

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040219\
 Data File : BF113504.D
 Acq On : 2 Apr 2019 14:30
 Operator : JU/SJ
 Sample : K2040-01MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

Manual Integrations
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 4/3/2019 4:27:24 AM

Quant Time: Apr 03 02:25:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	142186	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	539393	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	266731	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	544667	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	385815	20.00	ng	-0.01
87) Perylene-d12	15.23	264	348885	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	867528	99.76	ng	0.00
7) Phenol-d6	6.35	99	1136559	103.32	ng	-0.01
23) Nitrobenzene-d5	7.26	82	686159	75.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.52	330	350969	106.52	ng	-0.01
45) 2-Fluorobiphenyl	9.05	172	1289844	73.38	ng	-0.01
79) Terphenyl-d14	12.78	244	1456194	83.19	ng	-0.02

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.38	88	128260	29.071	ng	97
3) Pyridine	3.09	79	315603	29.017	ng	99
4) n-Nitrosodimethylamine	3.01	42	154532	31.960	ng	91
6) Aniline	6.36	93	207416	15.483	ng	# 47
8) 2-Chlorophenol	6.49	128	337730	33.445	ng	94
9) Benzaldehyde	6.24	77	87334	11.831	ng	98
10) Phenol	6.36	94	439831	35.022	ng	# 73
11) bis(2-Chloroethyl)ether	6.43	93	321895	33.438	ng	98
12) 1,3-Dichlorobenzene	6.63	146	353762	32.500	ng	98
13) 1,4-Dichlorobenzene	6.71	146	364556	34.687	ng	99
14) 1,2-Dichlorobenzene	6.86	146	339709	32.855	ng	98
15) Benzyl Alcohol	6.85	79	268645	37.017	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.97	45	498685	34.483	ng	94
17) 2-Methylphenol	6.96	107	269251	34.023	ng	98
18) Hexachloroethane	7.20	117	129143	34.212	ng	95
19) n-Nitroso-di-n-propylamine	7.11	70	229460	33.207	ng	97
20) 3+4-Methylphenols	7.12	107	353246	37.636	ng	96
22) Acetophenone	7.10	105	460291	37.419	ng	97
24) Nitrobenzene	7.27	77	347912	36.687	ng	95
25) Isophorone	7.52	82	645514	36.653	ng	97
26) 2-Nitrophenol	7.59	139	183185	36.545	ng	98
27) 2,4-Dimethylphenol	7.64	122	293675	40.729	ng	100
28) bis(2-Chloroethoxy)methane	7.73	93	407190	36.715	ng	99
29) 2,4-Dichlorophenol	7.85	162	295299	37.791	ng	99
30) 1,2,4-Trichlorobenzene	7.92	180	308094	36.546	ng	97
31) Naphthalene	8.00	128	972821	36.907	ng	99
32) Benzoic acid	7.73	122	21548	3.713	ng	95
33) 4-Chloroaniline	8.05	127	102209	9.944	ng	96
34) Hexachlorobutadiene	8.12	225	181380	36.199	ng	99
35) Caprolactam	8.41	113	94976m	37.872	ng	
36) 4-Chloro-3-methylphenol	8.55	107	298964	38.040	ng	100
37) 2-Methylnaphthalene	8.69	142	654874	39.817	ng	99
38) 1-Methylnaphthalene	8.79	142	614625	38.852	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	305524	35.684	ng	99

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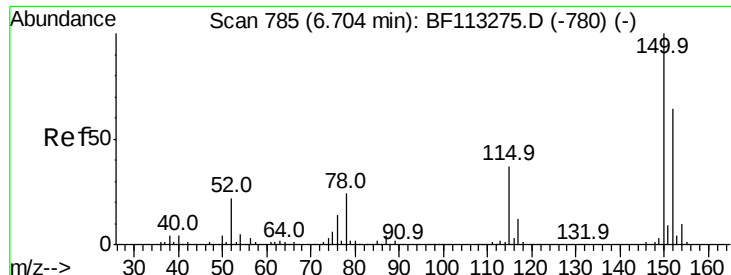
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.84	237	204523	56.434	nq	99
43) 2,4,6-Trichlorophenol	8.97	196	204361	36.653	nq	98
44) 2,4,5-Trichlorophenol	9.02	196	220903	35.800	nq	99
46) 1,1'-Biphenyl	9.15	154	812837	36.487	nq	98
47) 2-Chloronaphthalene	9.17	162	616768	35.958	nq	97
48) 2-Nitroaniline	9.27	65	194332	36.103	nq	95
49) Acenaphthylene	9.59	152	1000668	36.081	nq	99
50) Dimethylphthalate	9.45	163	808173	40.885	nq	99
51) 2,6-Dinitrotoluene	9.52	165	164104	36.800	nq	90
52) Acenaphthene	9.76	154	574787	36.802	nq	99
53) 3-Nitroaniline	9.68	138	100233	19.931	nq	98
54) 2,4-Dinitrophenol	9.80	184	77461	34.925	nq	94
55) Dibenzofuran	9.93	168	859324	36.599	nq	99
56) 4-Nitrophenol	9.86	139	214987	59.964	nq	98
57) 2,4-Dinitrotoluene	9.92	165	205772	36.285	nq	95
58) Fluorene	10.27	166	681007	37.336	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.06	232	191059	36.616	nq	97
60) Diethylphthalate	10.15	149	719343	37.096	nq	100
61) 4-Chlorophenyl-phenylether	10.26	204	339363	38.174	nq	92
62) 4-Nitroaniline	10.29	138	180661	34.892	nq	98
63) Azobenzene	10.42	77	674178	36.934	nq	98
65) 4,6-Dinitro-2-methylphenol	10.33	198	80828	27.127	nq	93
66) n-Nitrosodiphenylamine	10.38	169	620991	37.156	nq	98
67) 4-Bromophenyl-phenylether	10.75	248	218360	36.783	nq	99
68) Hexachlorobenzene	10.82	284	254551	36.941	nq	95
69) Atrazine	10.91	200	200244	37.959	nq	96
70) Pentachlorophenol	11.02	266	188144	52.407	nq	97
71) Phenanthrene	11.23	178	1015232	37.534	nq	99
72) Anthracene	11.28	178	1045303	38.047	nq	100
73) Carbazole	11.43	167	963289	36.744	nq	99
74) Di-n-butylphthalate	11.76	149	1171710	38.542	nq	100
75) Fluoranthene	12.41	202	1114164	36.437	nq	99
77) Benzidine	12.53	184	188795	12.778	nq	98
78) Pyrene	12.64	202	1103948	41.291	nq	100
80) Butylbenzylphthalate	13.26	149	478837	40.639	nq	94
81) Benzo(a)anthracene	13.82	228	792776	35.897	nq	100
82) 3,3'-Dichlorobenzidine	13.78	252	150796	17.020	nq	99
83) Chrysene	13.86	228	818995	36.510	nq	99
84) Bis(2-ethylhexyl)phthalate	13.82	149	610191	42.244	nq	99
85) Di-n-octyl phthalate	14.42	149	951055	38.790	nq	100
86) Indeno(1,2,3-cd)pyrene	16.60	276	894910	46.485	nq	99
88) Benzo(b)fluoranthene	14.84	252	822939	37.971	nq	99
89) Benzo(k)fluoranthene	14.87	252	640361	33.646	nq	99
90) Benzo(a)pyrene	15.18	252	707149	36.805	nq	100
91) Dibenzo(a,h)anthracene	16.60	278	748162	45.034	nq	100
92) Benzo(g,h,i)perylene	17.00	276	790134	47.170	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

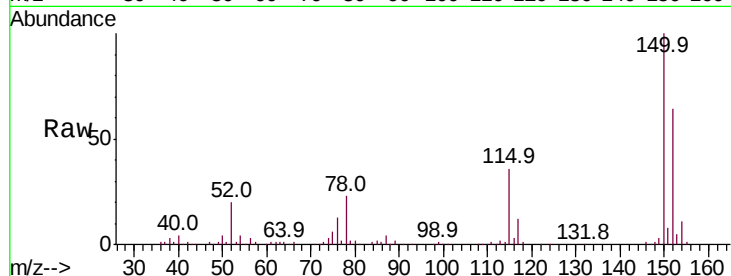
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.7	187.1
115	56.1	46.0	69.0

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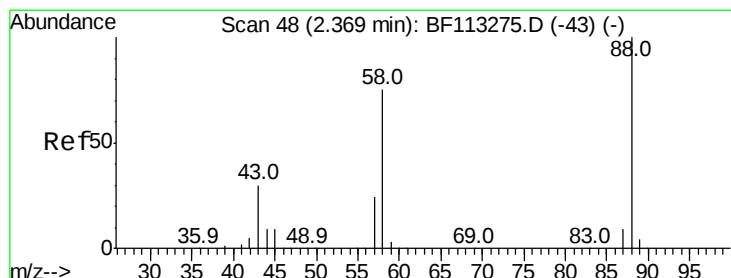
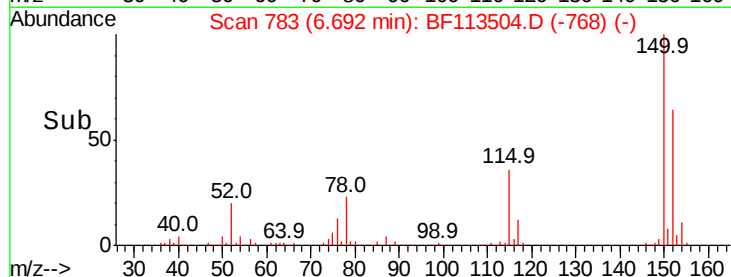
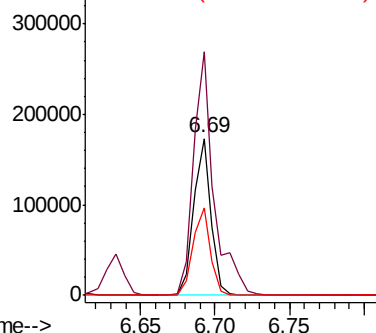


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 29.071 ng
RT: 2.38 min Scan# 49
Delta R.T. 0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

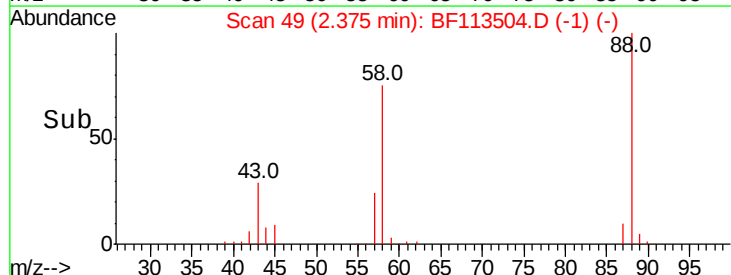
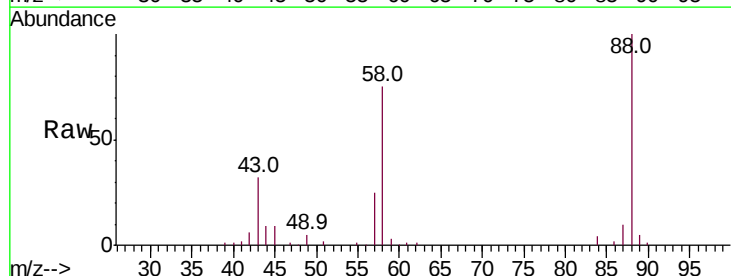
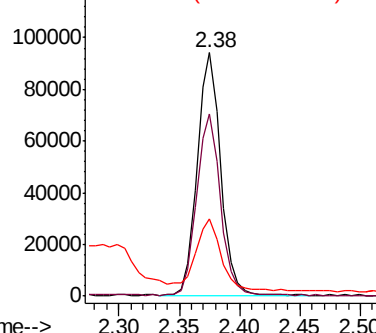
Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.9	61.9	92.9
43	31.0	24.2	36.4

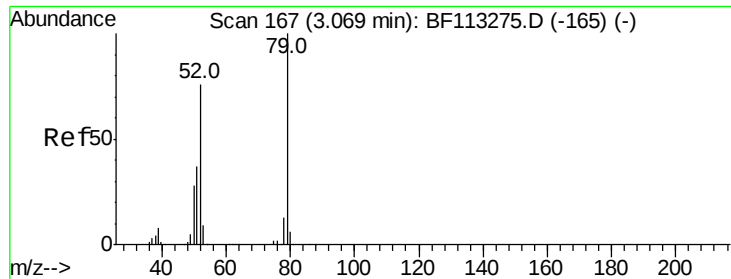
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





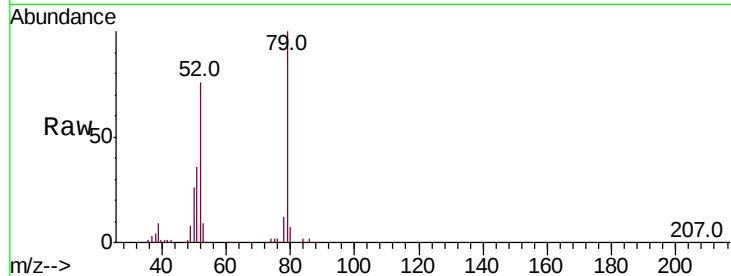
#3
 Pvridine
 Concen: 29.017 ng
 RT: 3.09 min Scan# 170
 Delta R.T. 0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

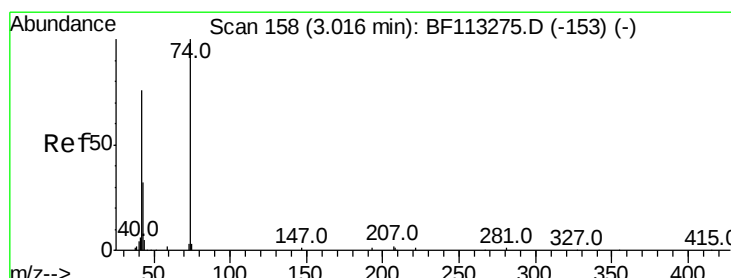
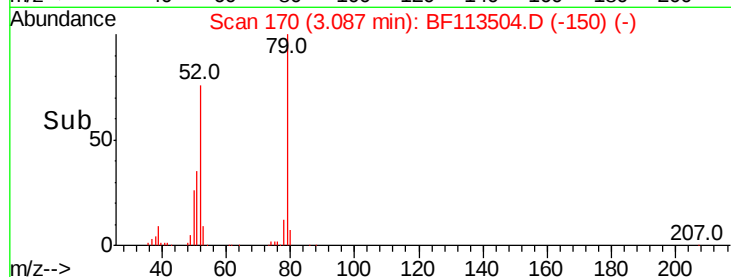
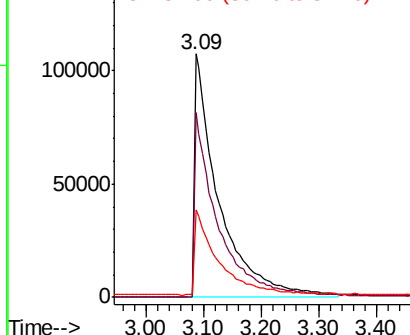
Tot Ion	Ratio	Lower	Upper
79	100		
52	76.1	61.0	91.4
51	36.1	30.6	45.8

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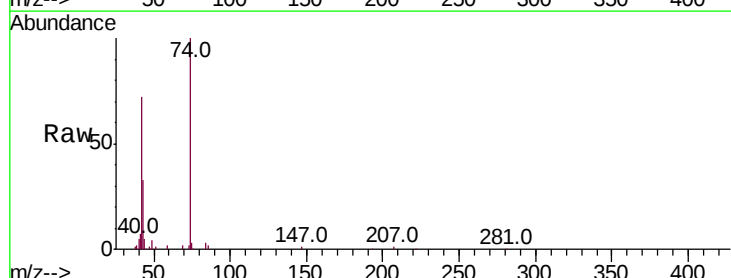


Abundance Ion 79.00 (78.70 to 79.70): BF1
 Ion 52.00 (51.70 to 52.70): BF1
 Ion 51.00 (50.70 to 51.70): BF1

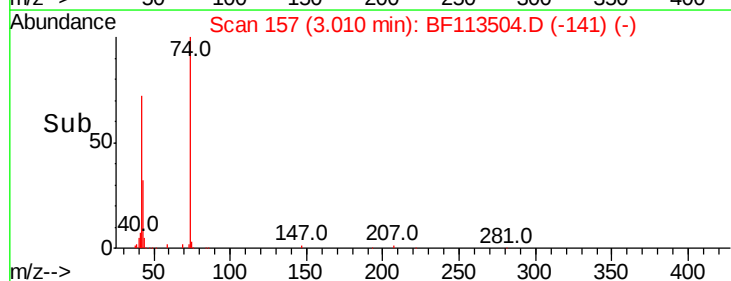
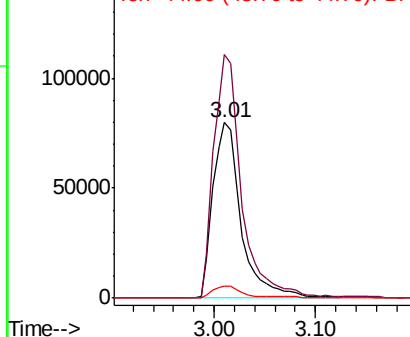


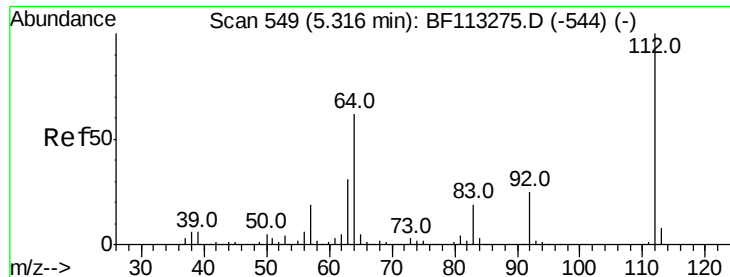
#4
 n-Nitrosodimethylamine
 Concen: 31.960 ng
 RT: 3.01 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
42	100		
74	138.7	102.4	153.6
44	7.0	5.5	8.3



Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 99.765 ng

RT: 5.32 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

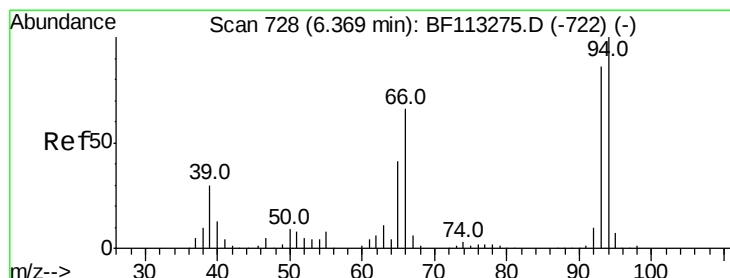
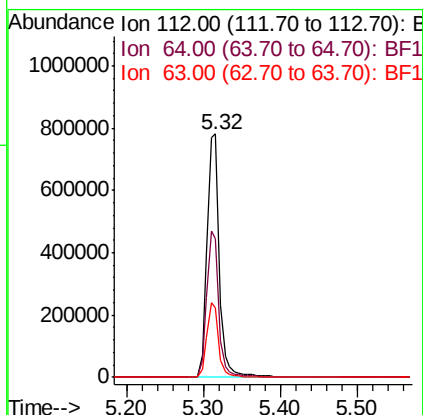
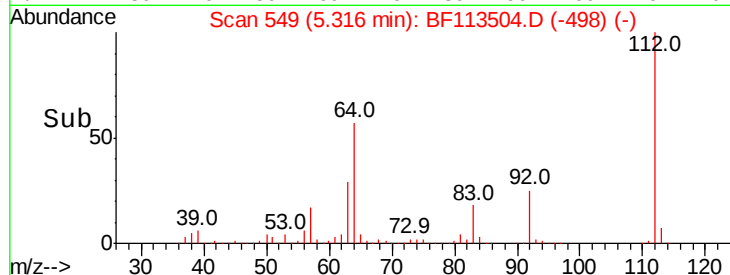
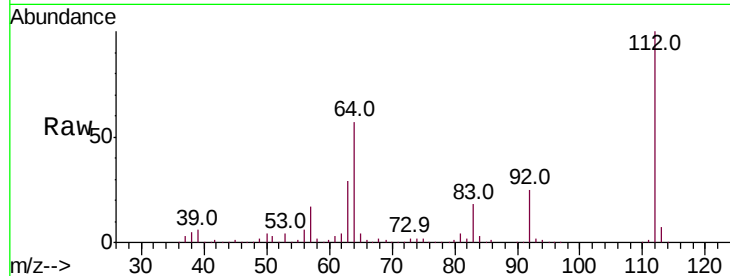
ClientSampleId :

S4B(2-10)MSD

Tot Ion:	112	Resp:	867528
Ion Ratio	Lower	Upper	
112	100		
64	57.1	49.2	73.8
63	28.5	24.9	37.3

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#6

Aniline

Concen: 15.483 ng

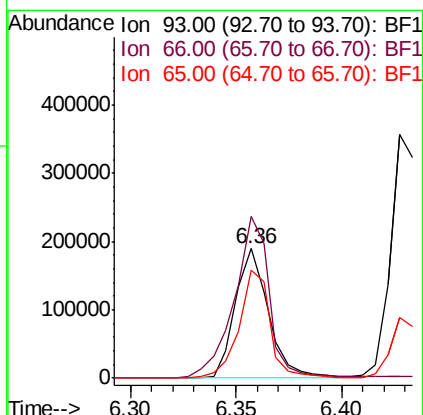
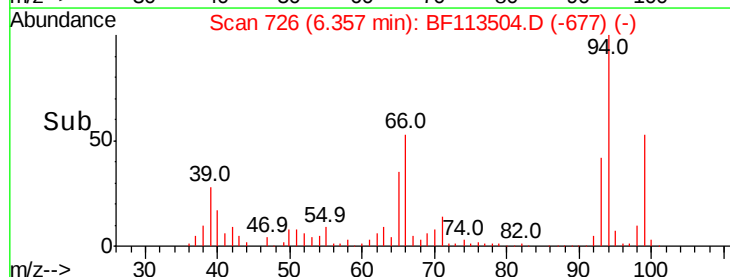
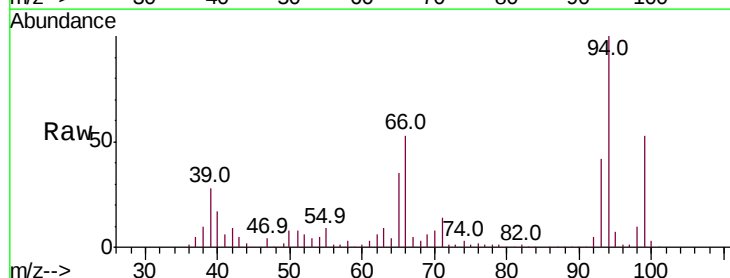
RT: 6.36 min Scan# 726

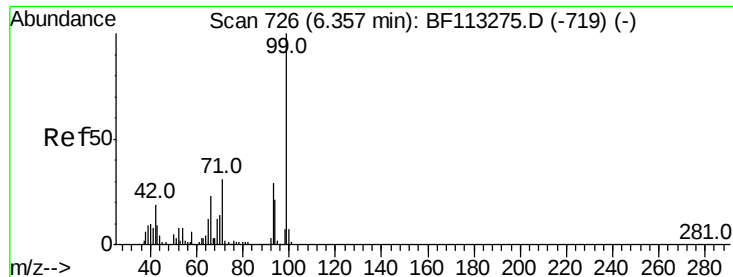
Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Tgt Ion:	93	Resp:	207416
Ion Ratio	Lower	Upper	
93	100		
66	125.2	62.1	93.1#
65	83.0	38.7	58.1#





#7

Phenol-d6

Concen: 103.318 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

ClientSampleId :

S4B(2-10)MSD

Tot Ion: 99 Resp: 1136559

Ion Ratio Lower Upper

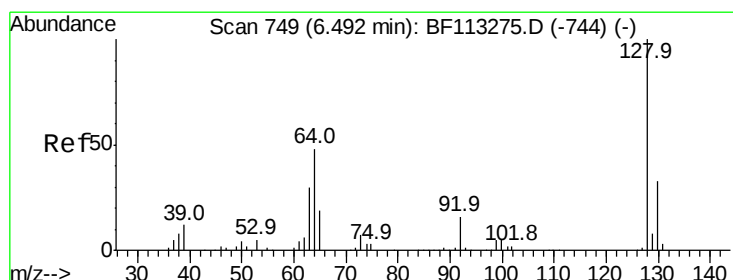
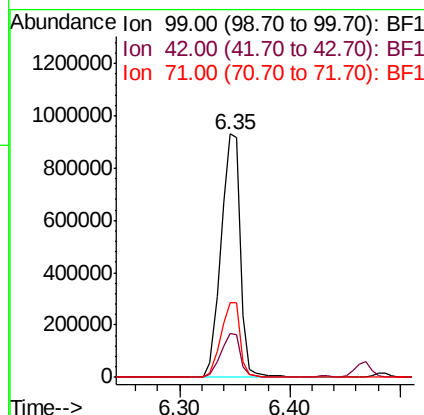
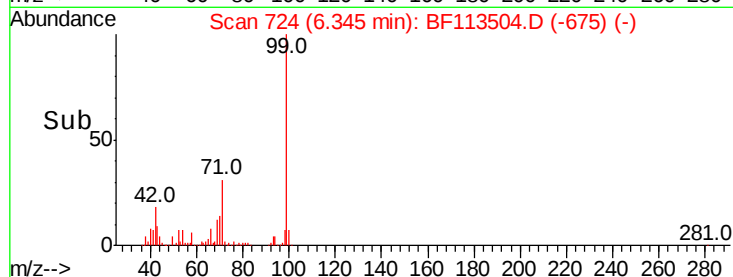
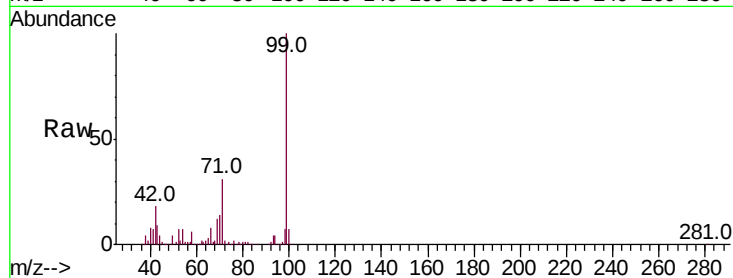
99 100

42 18.3 14.8 22.2

71 30.8 24.9 37.3

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#8

2-Chlorophenol

Concen: 33.445 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

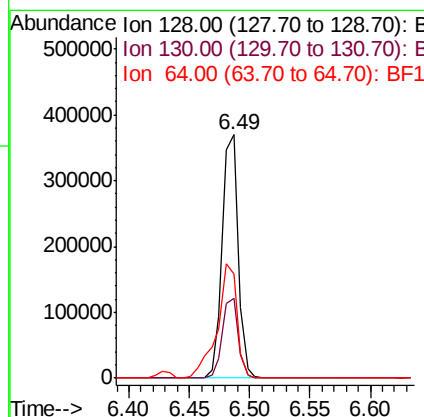
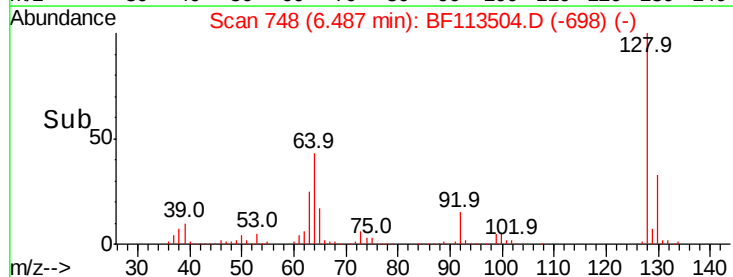
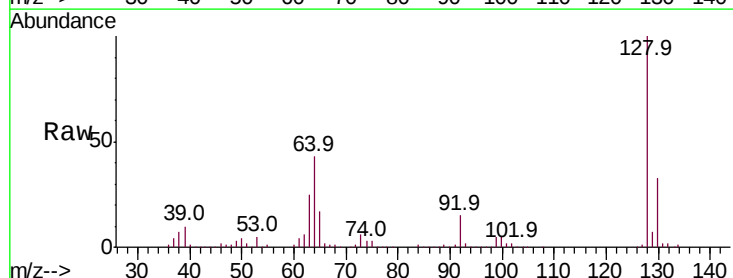
Tgt Ion: 128 Resp: 337730

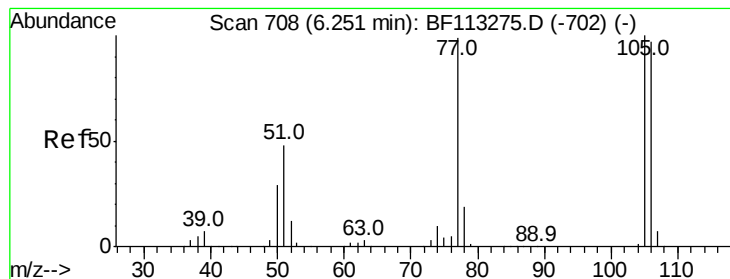
Ion Ratio Lower Upper

128 100

130 33.0 12.6 52.6

64 42.7 29.4 69.4





#9

Benzaldehyde

Concen: 11.831 ng

RT: 6.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

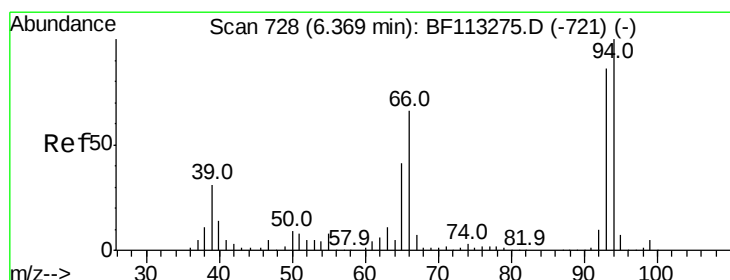
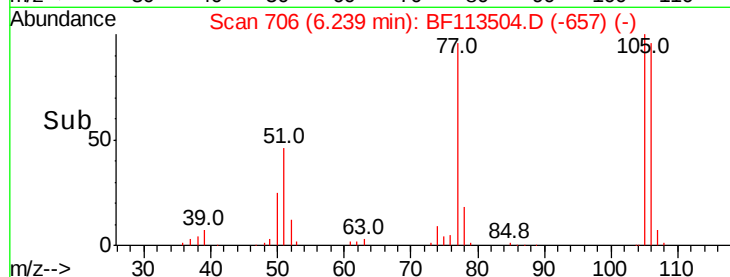
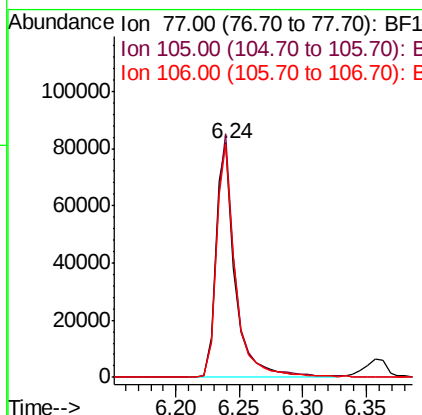
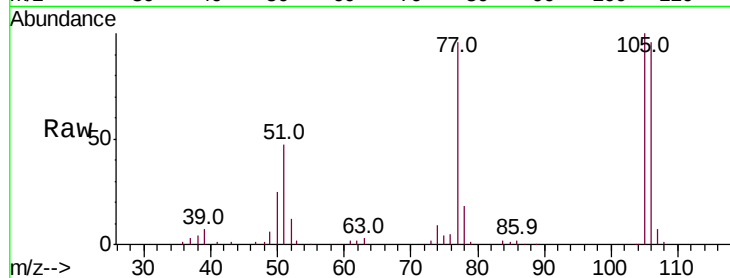
ClientSampleId :

S4B(2-10)MSD

Tot Ion:	77	Resp:	87334
Ion	Ratio	Lower	Upper
77	100		
105	103.8	80.9	120.9
106	99.3	77.8	117.8

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#10

Phenol

Concen: 35.022 ng

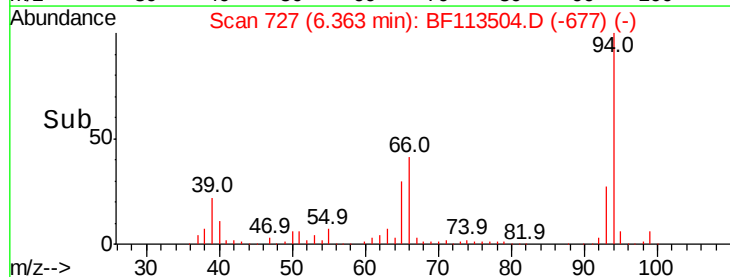
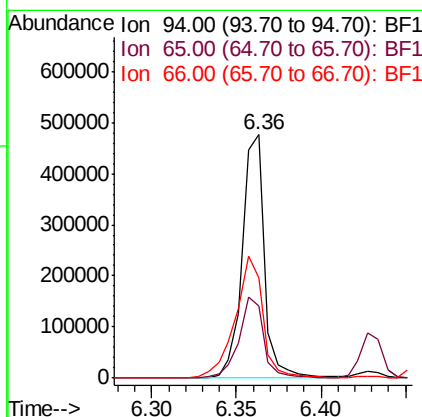
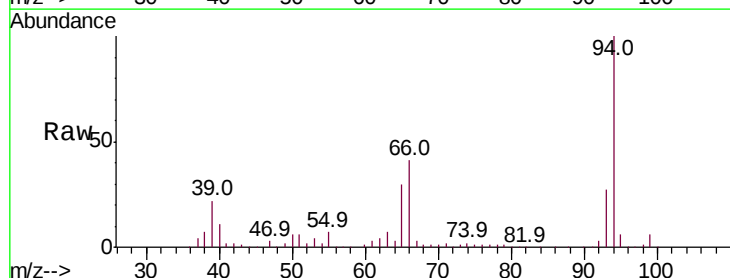
RT: 6.36 min Scan# 727

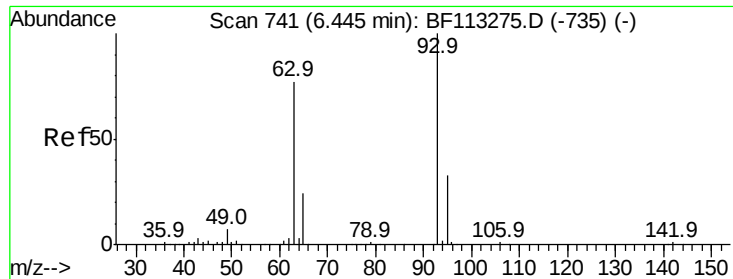
Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Tgt Ion:	94	Resp:	439831
Ion	Ratio	Lower	Upper
94	100		
65	29.5	21.4	61.4
66	41.3	46.4	86.4#





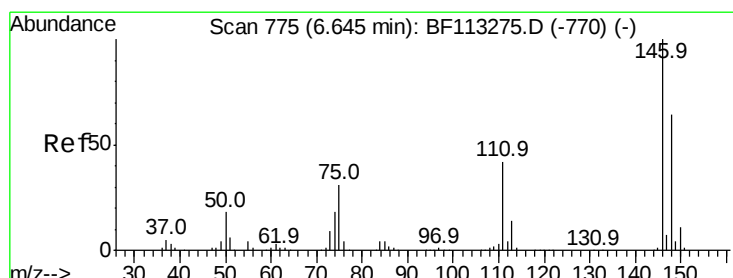
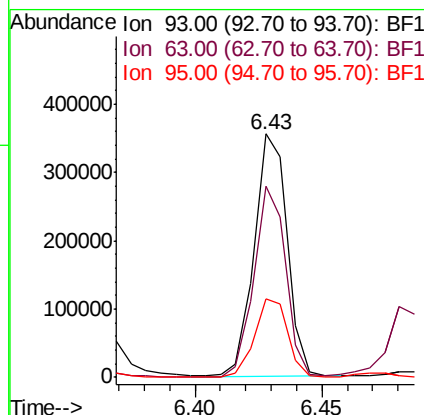
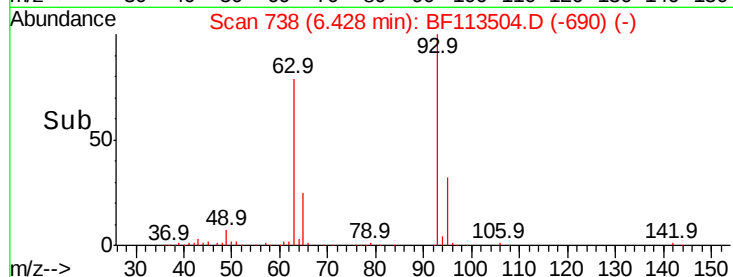
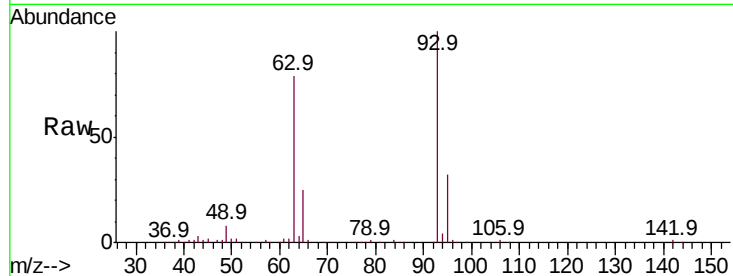
#11
bis(2-Chloroethyl)ether
Concen: 33.438 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.02 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion:	93	Resp:	321895
Ion	Ratio	Lower	Upper
93	100		
63	78.5	56.1	96.1
95	32.4	12.8	52.8

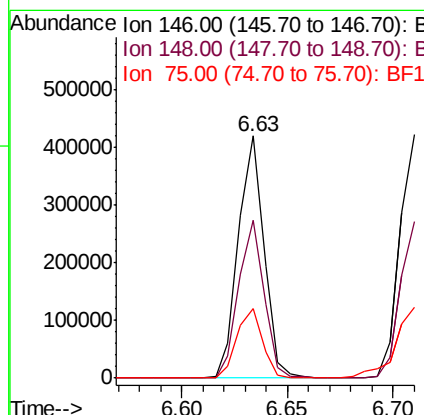
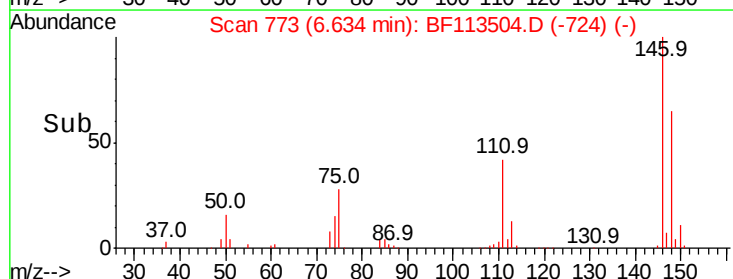
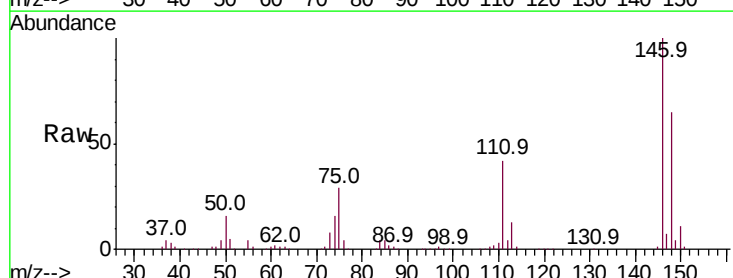
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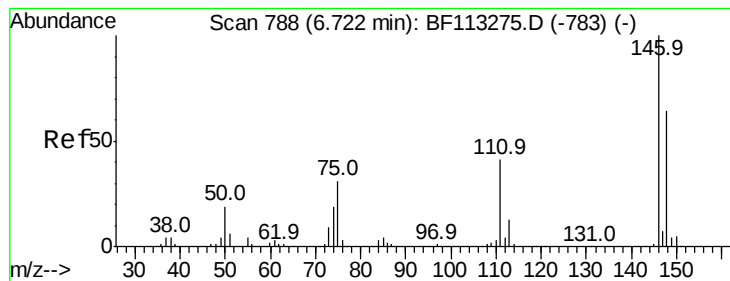
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#12
1,3-Dichlorobenzene
Concen: 32.500 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion:	146	Resp:	353762
Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.4	77.0
75	28.5	24.8	37.2





#13

1,4-Dichlorobenzene

Concen: 34.687 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

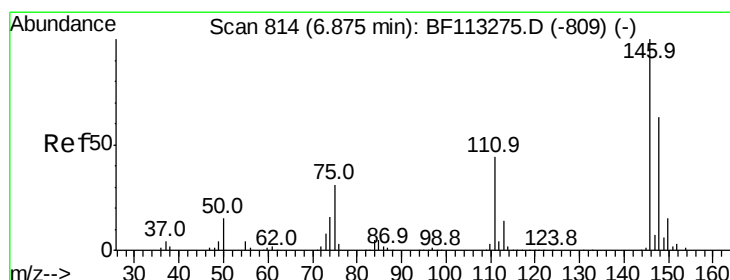
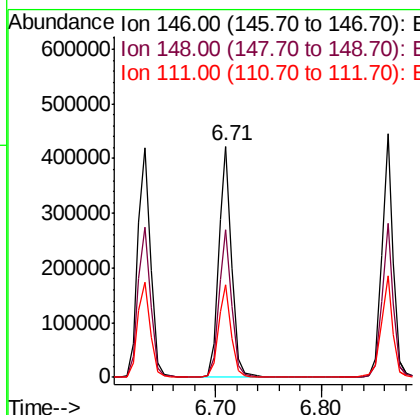
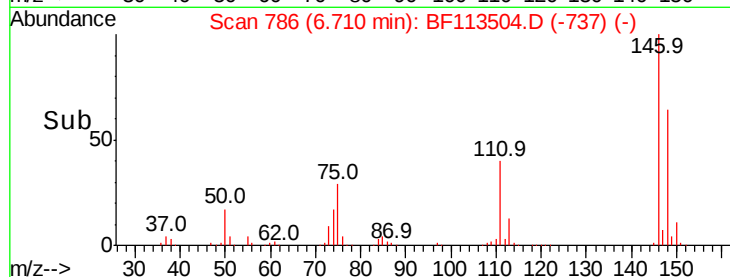
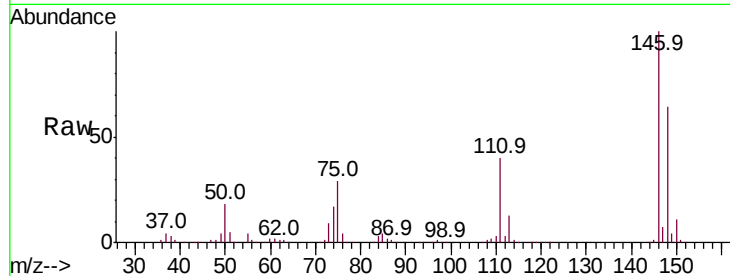
ClientSampleId :

S4B(2-10)MSD

Tot Ion:	146	Resp:	364556
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.1	76.7
111	40.1	32.8	49.2

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#14

1,2-Dichlorobenzene

Concen: 32.855 ng

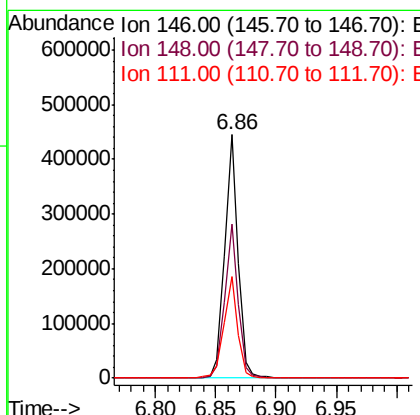
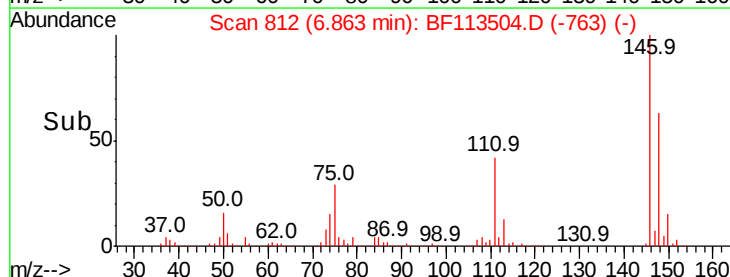
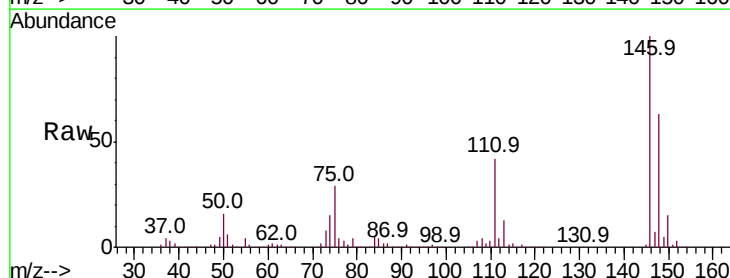
RT: 6.86 min Scan# 812

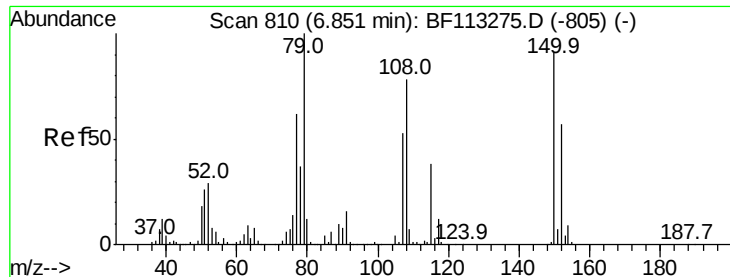
Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Tgt Ion:	146	Resp:	339709
Ion Ratio	Lower	Upper	
146	100		
148	63.4	50.2	75.4
111	41.8	35.4	53.2





#15

Benzyl Alcohol

Concen: 37.017 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

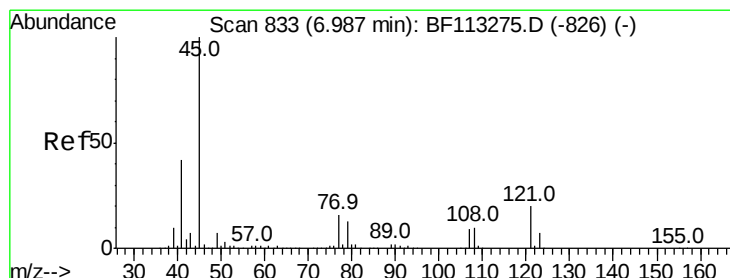
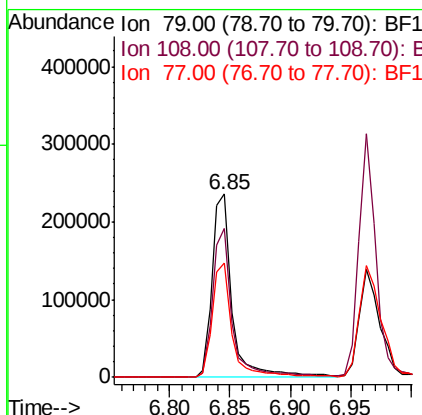
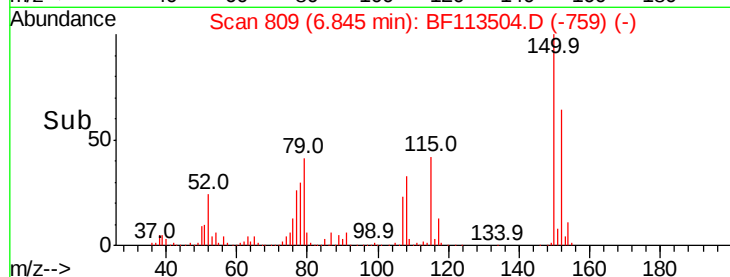
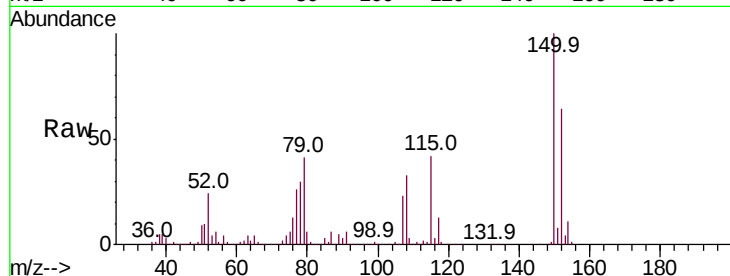
ClientSampleId :

S4B(2-10)MSD

Tot Ion:	79	Resp:	268645
Ion Ratio	Lower	Upper	
79	100		
108	81.2	62.0	93.0
77	62.8	49.9	74.9

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.483 ng

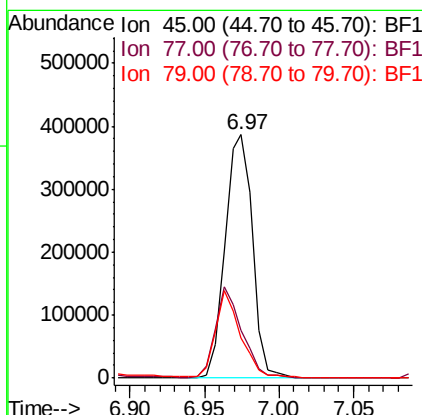
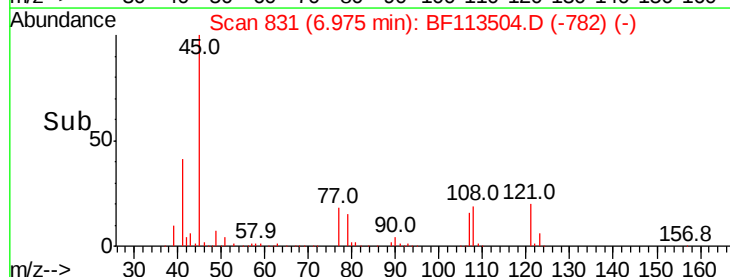
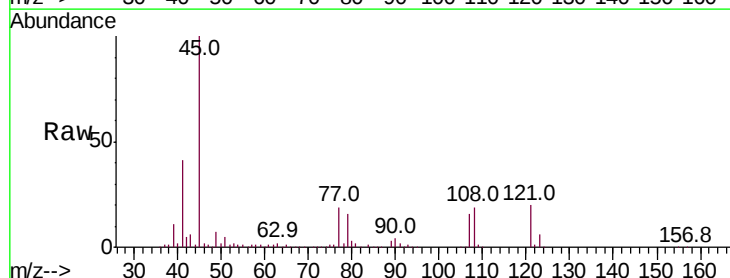
RT: 6.97 min Scan# 831

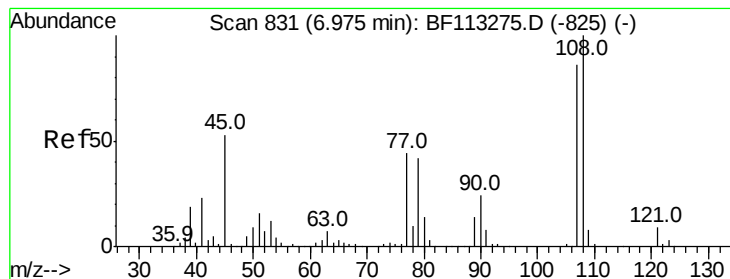
Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Tgt Ion:	45	Resp:	498685
Ion Ratio	Lower	Upper	
45	100		
77	19.4	0.0	36.6
79	16.4	0.0	34.0





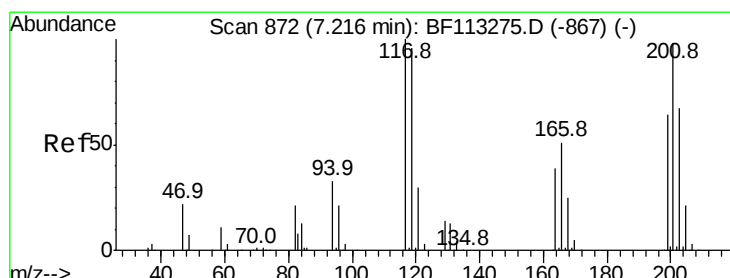
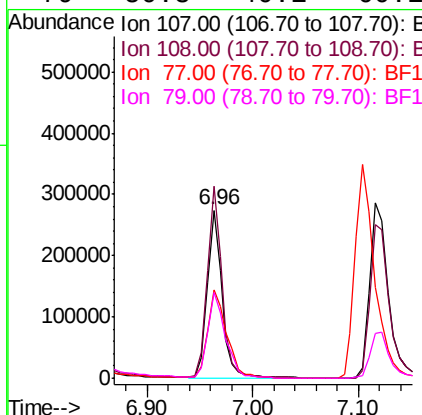
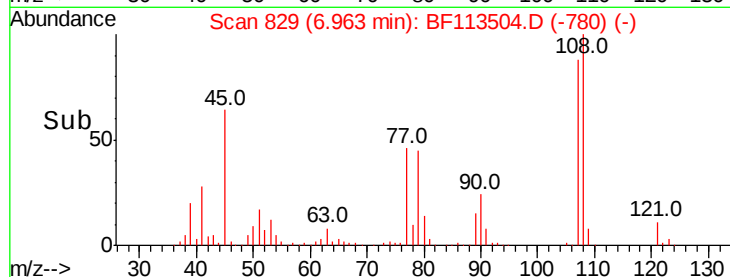
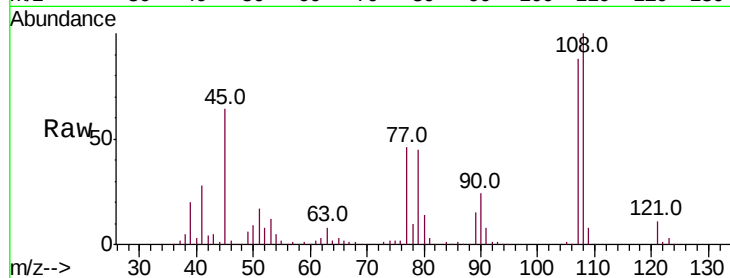
#17
2-Methylphenol
Concen: 34.023 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	269251		
108	114.1	93.4	140.0	
77	52.5	41.2	61.8	
79	50.8	40.1	60.1	

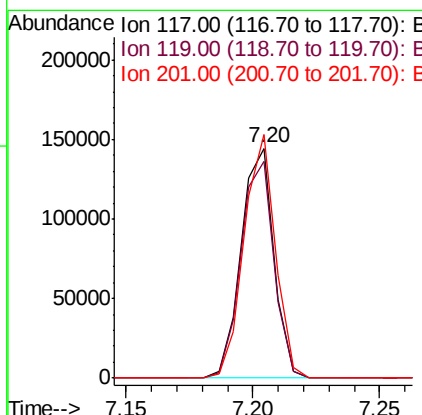
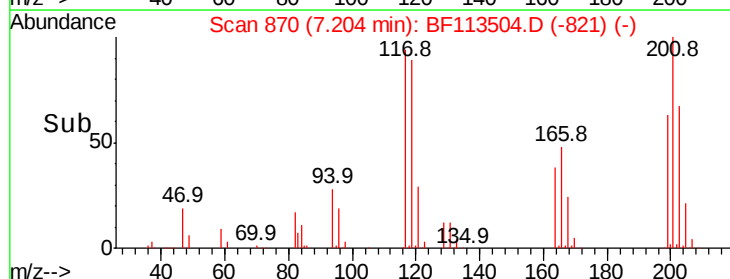
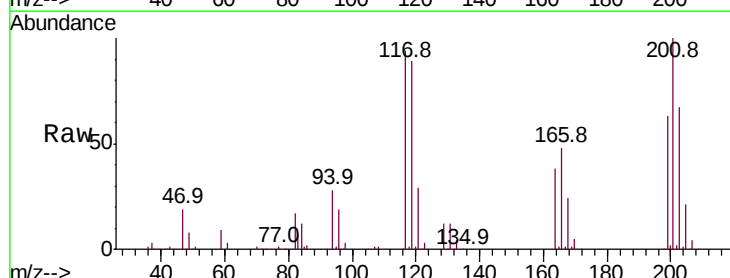
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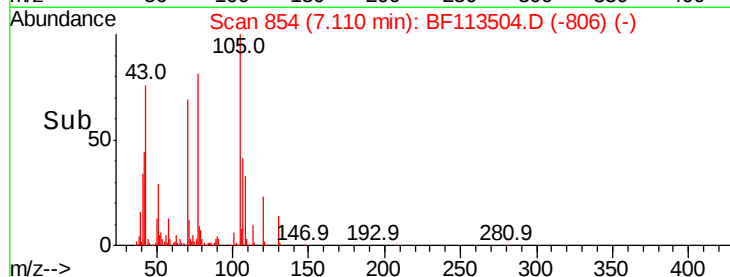
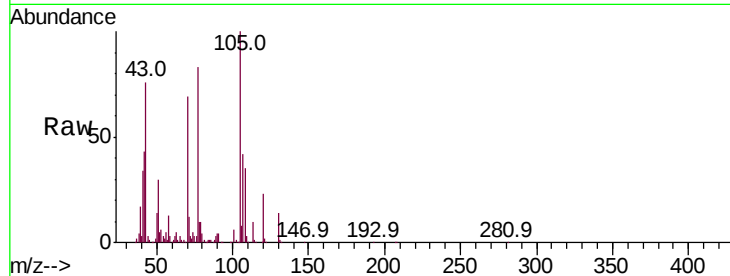
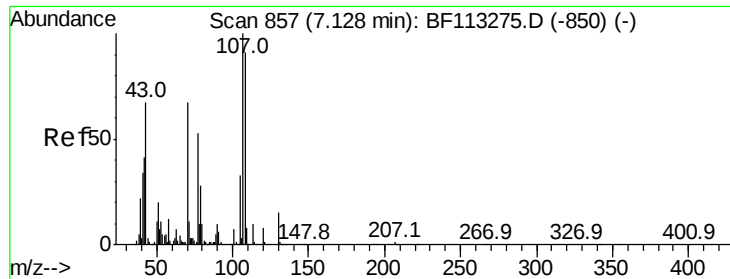
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#18
Hexachloroethane
Concen: 34.212 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	129143		
119	94.2	76.9	115.3	
201	106.1	78.7	118.1	





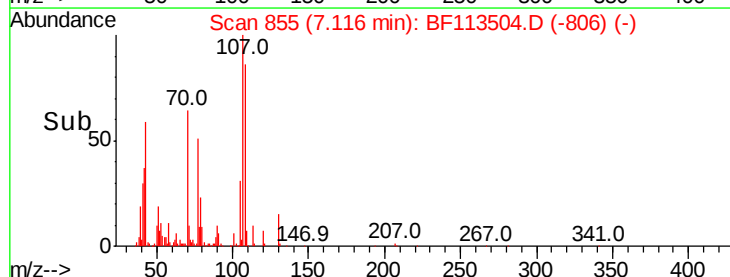
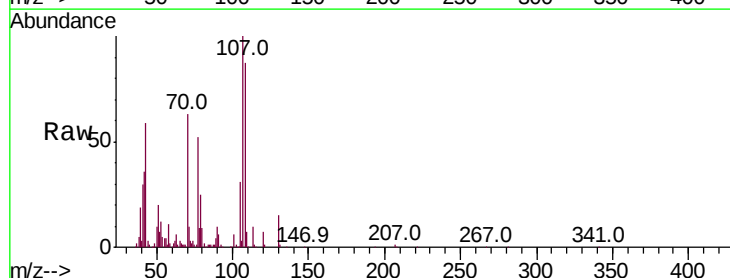
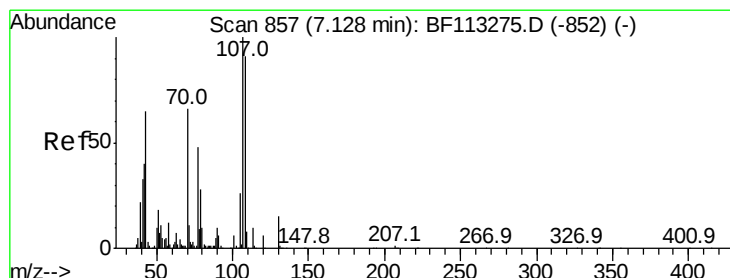
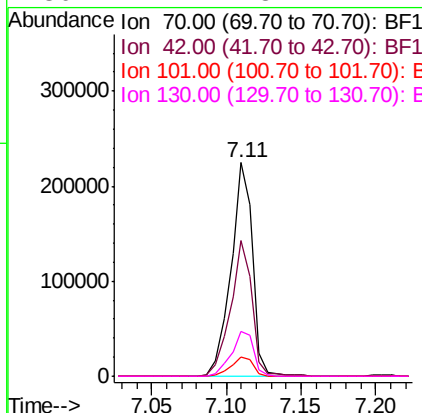
#19
n-Nitroso-di-n-propylamine
Concen: 33.207 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	63.3	48.4	72.6
101	9.2	7.8	11.8
130	21.1	18.2	27.4

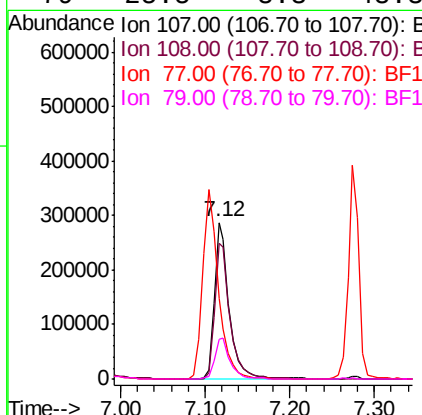
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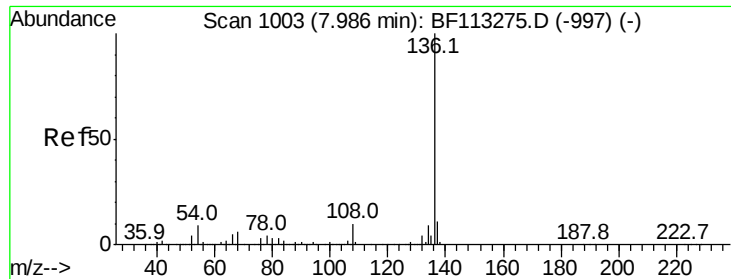
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#20
3+4-Methylphenols
Concen: 37.636 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.1	71.4	111.4
77	51.8	33.5	73.5
79	25.5	8.3	48.3





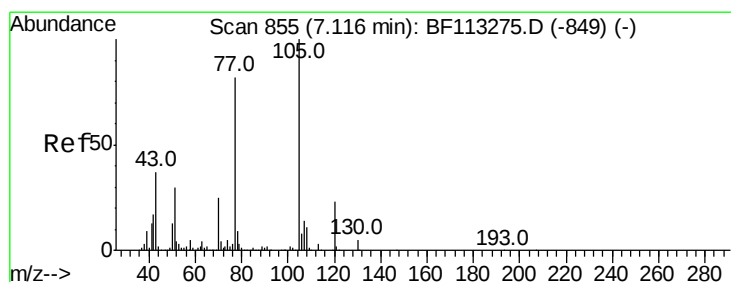
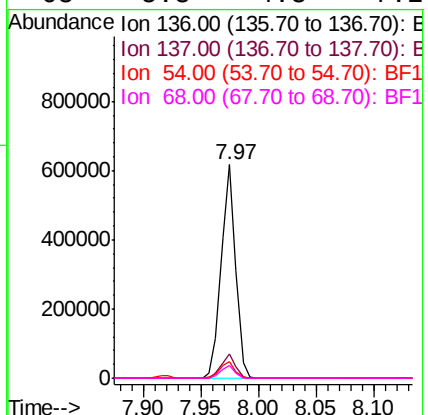
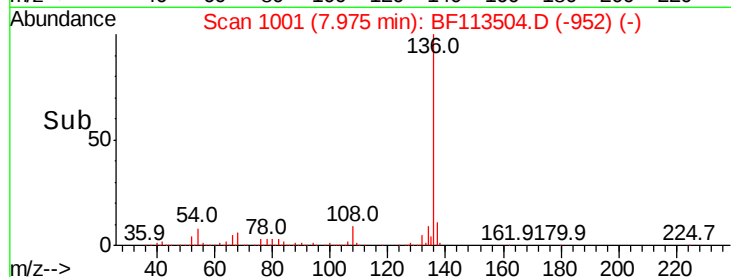
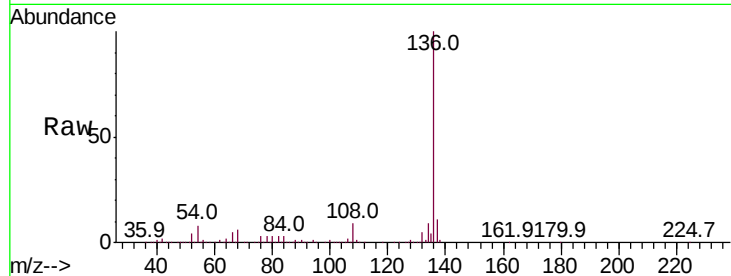
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	539393		
137	11.3	8.9	13.3	
54	7.8	7.0	10.6	
68	5.8	4.8	7.2	

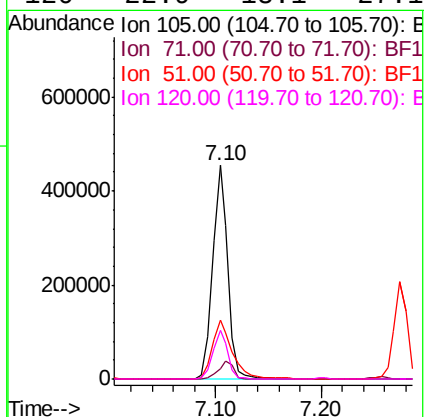
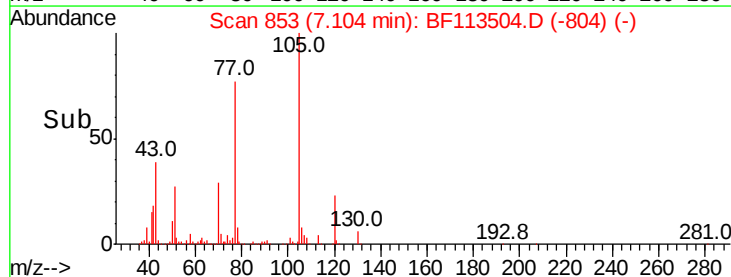
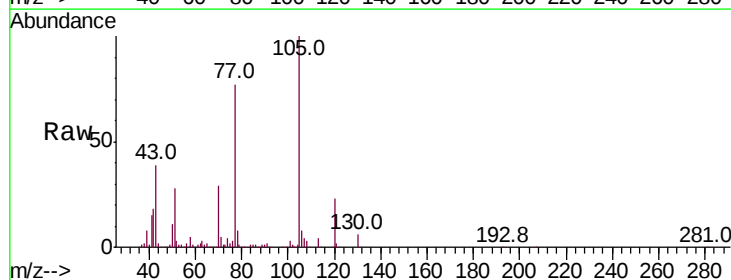
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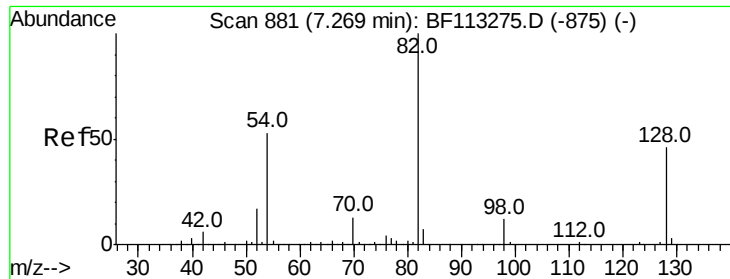
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#22
Acetophenone
Concen: 37.419 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	460291		
71	4.7	3.3	4.9	
51	27.6	24.2	36.2	
120	22.9	18.1	27.1	





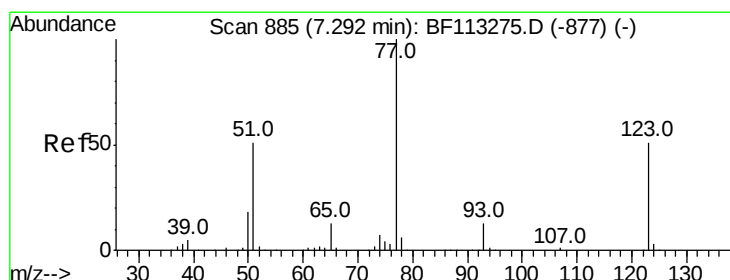
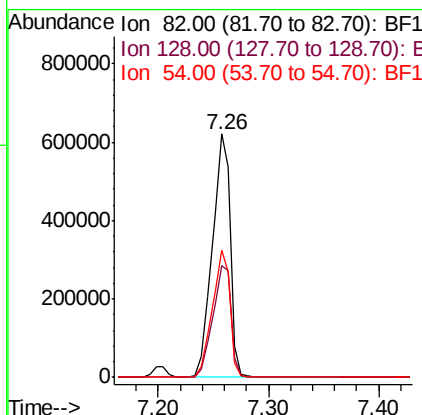
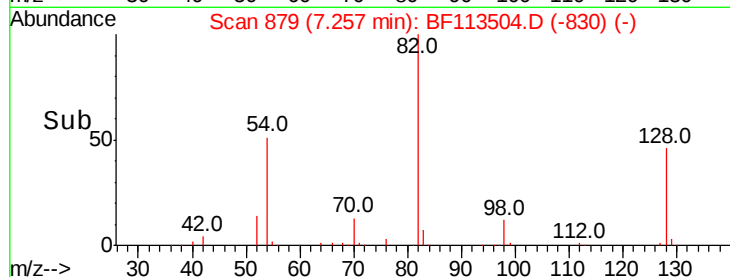
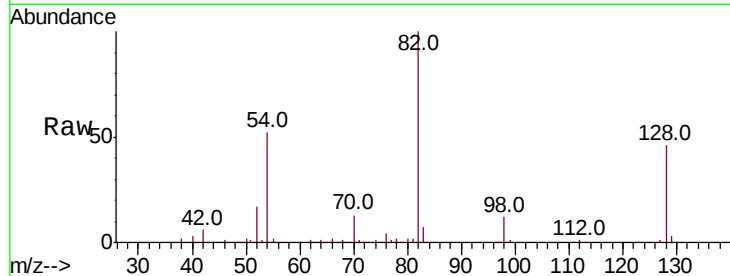
#23
 Nitrobenzene-d5
 Concen: 75.504 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.5	54.7
54	52.1	42.2	63.2

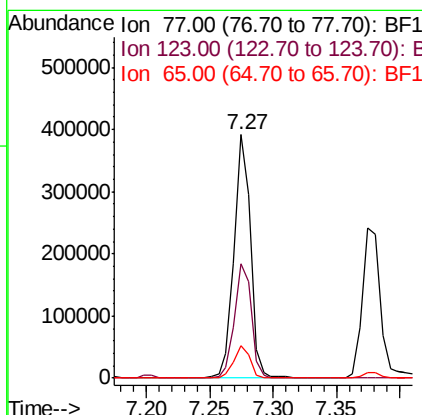
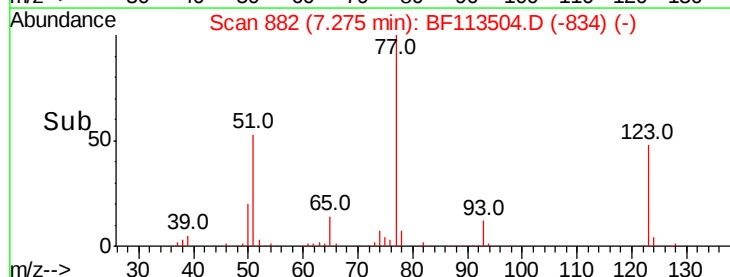
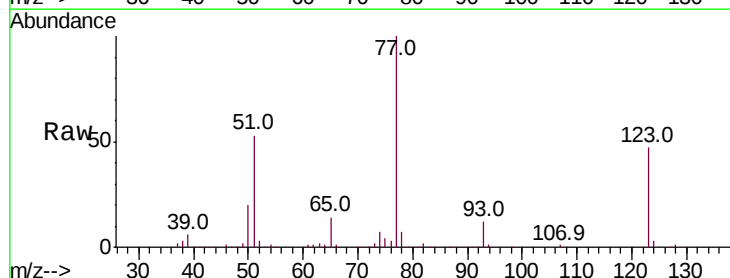
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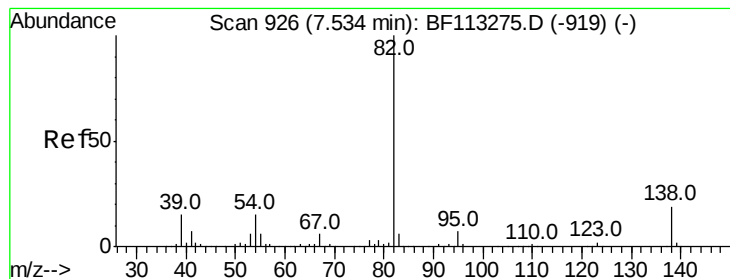
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#24
 Nitrobenzene
 Concen: 36.687 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.2	40.8	61.2
65	13.5	10.6	16.0





#25

Isophorone

Concen: 36.653 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.02 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

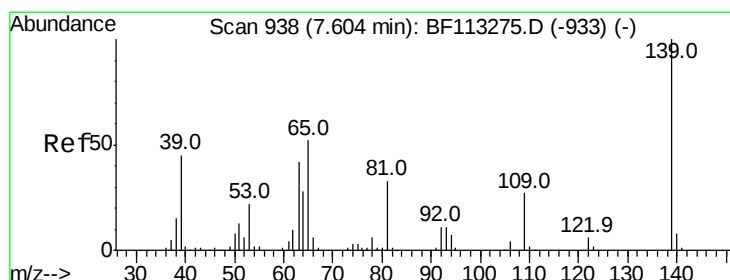
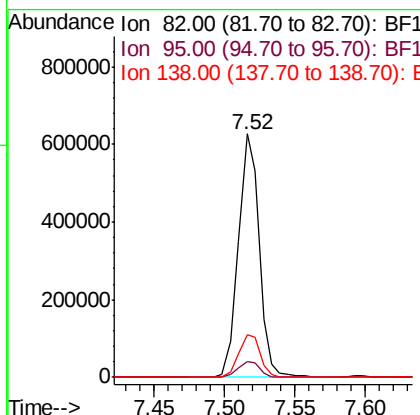
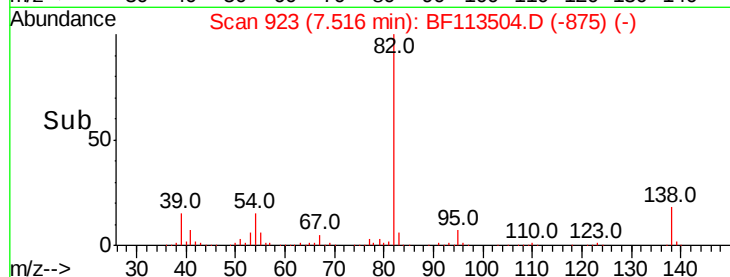
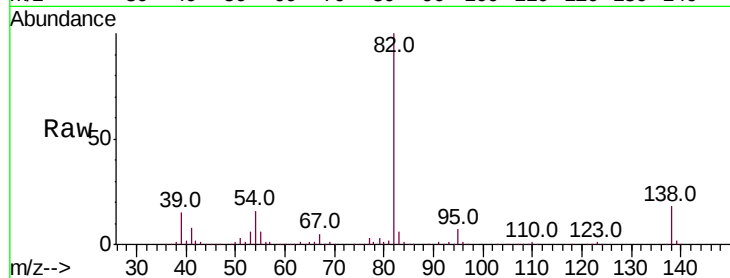
ClientSampleId :

S4B(2-10)MSD

Tot Ion:	82	Resp:	645514
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.5	8.3
138	17.5	15.2	22.8

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#26

2-Nitrophenol

Concen: 36.545 ng

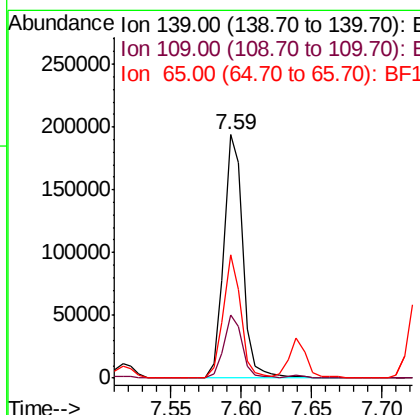
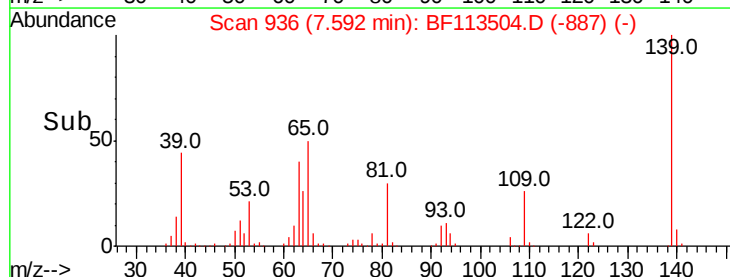
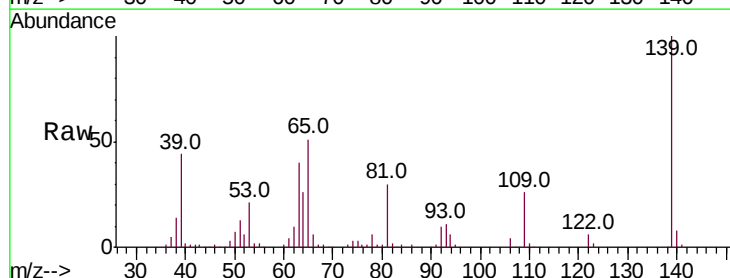
RT: 7.59 min Scan# 936

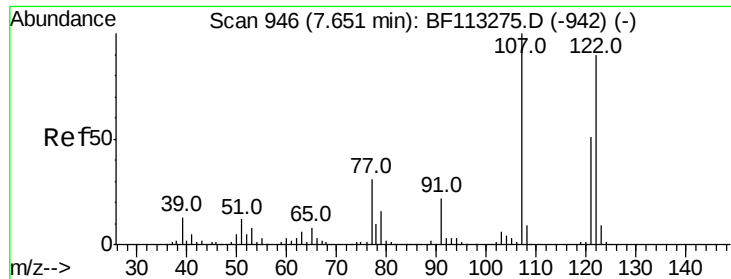
Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Tgt Ion:	139	Resp:	183185
Ion Ratio	Lower	Upper	
139	100		
109	25.7	21.7	32.5
65	50.5	41.6	62.4





#27

2,4-Dimethylphenol

Concen: 40.729 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

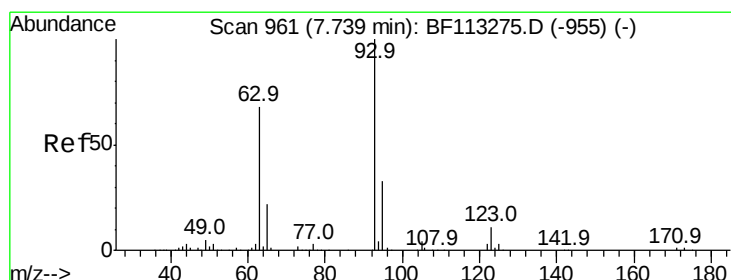
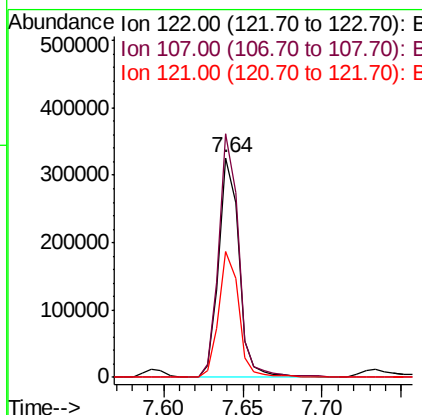
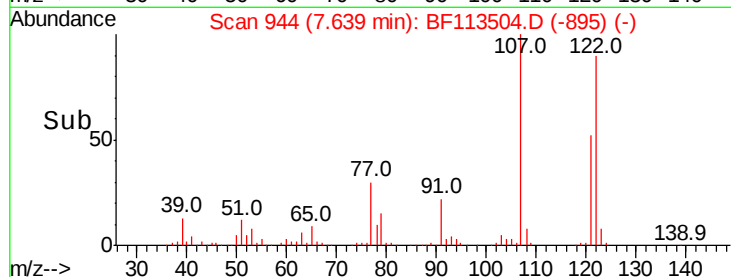
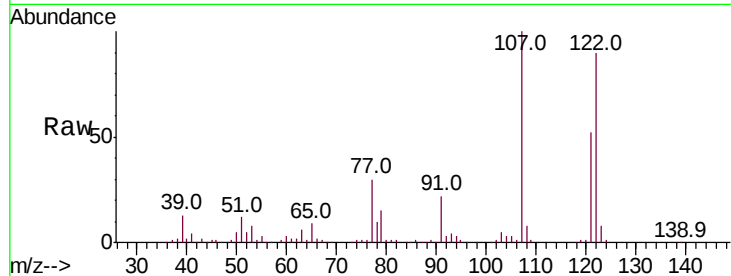
ClientSampleId :

S4B(2-10)MSD

Tot Ion:	122	Resp:	293675
Ion Ratio	Lower	Upper	
122	100		
107	110.7	88.8	133.2
121	57.4	45.5	68.3

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#28

bis(2-Chloroethoxy)methane

Concen: 36.715 ng

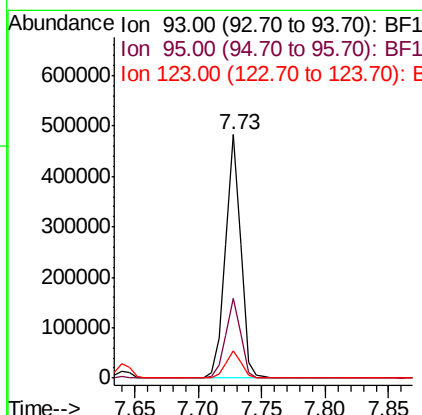
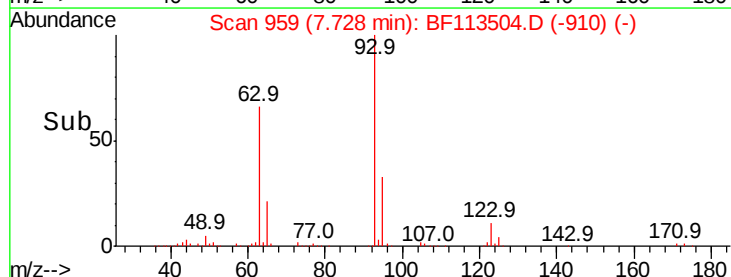
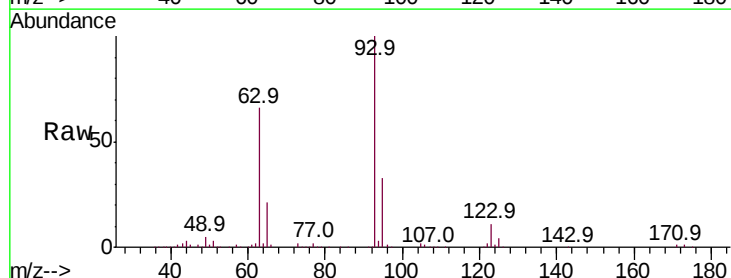
RT: 7.73 min Scan# 959

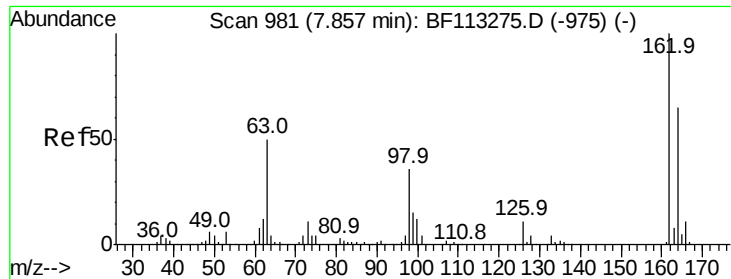
Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Tgt Ion:	93	Resp:	407190
Ion Ratio	Lower	Upper	
93	100		
95	32.9	26.0	39.0
123	11.2	9.1	13.7





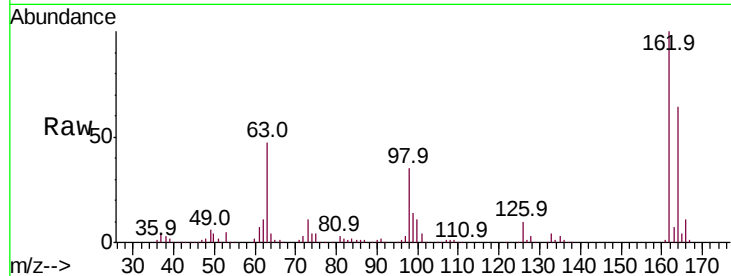
#29
2,4-Dichlorophenol
Concen: 37.791 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

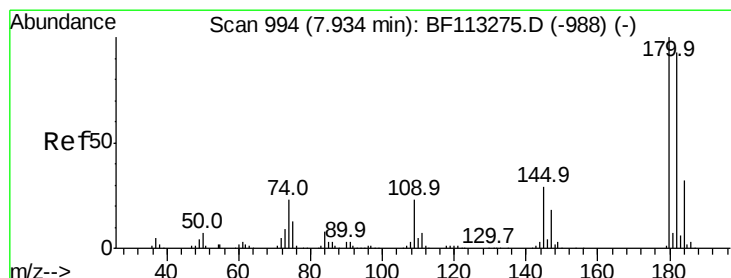
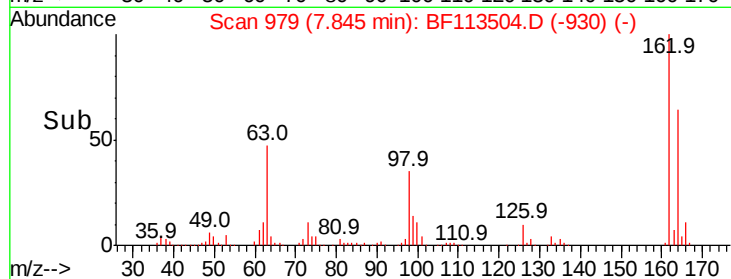
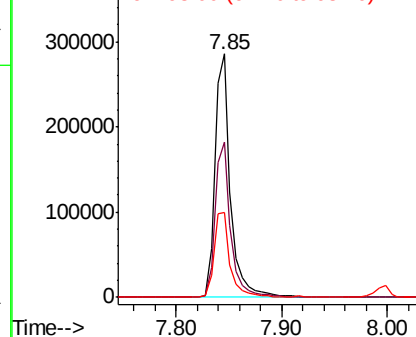
Tot Ion	Ratio	Resp	Lower	Upper
162	100	295299		
164	63.7	44.6	84.6	
98	35.0	15.6	55.6	

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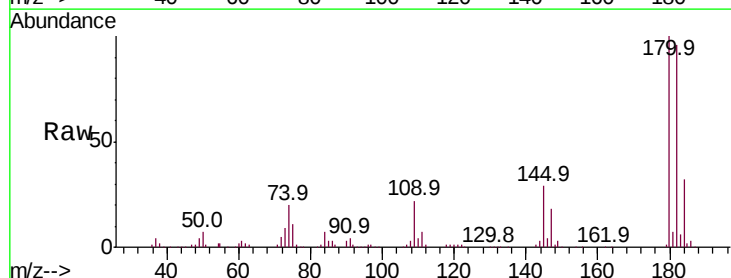


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

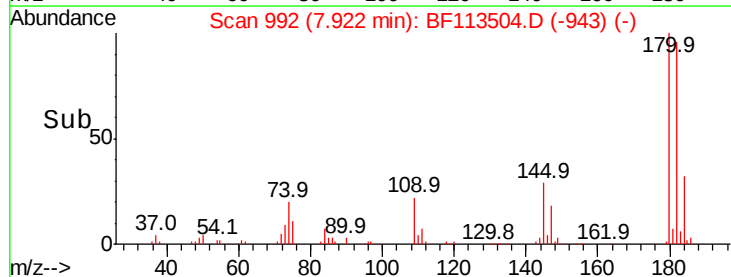
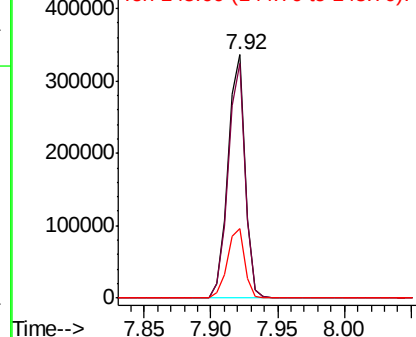


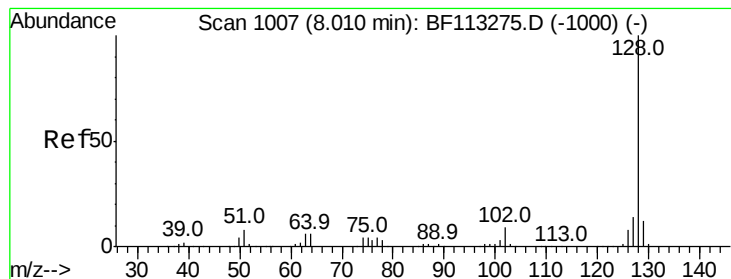
#30
1,2,4-Trichlorobenzene
Concen: 36.546 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	308094		
182	96.5	74.6	111.8	
145	28.6	23.4	35.0	



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 36.907 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

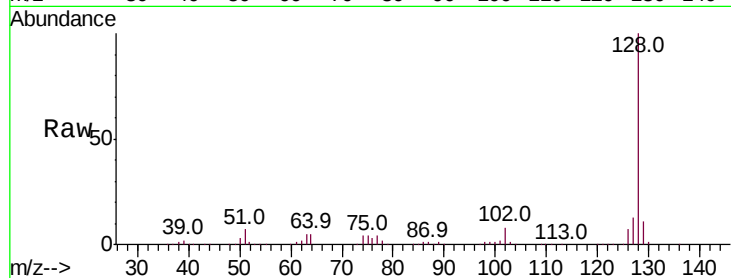
ClientSampleId :

S4B(2-10)MSD

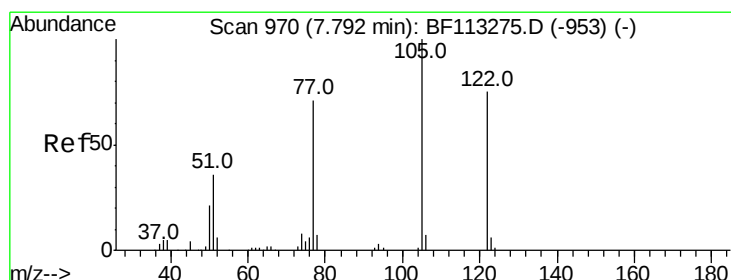
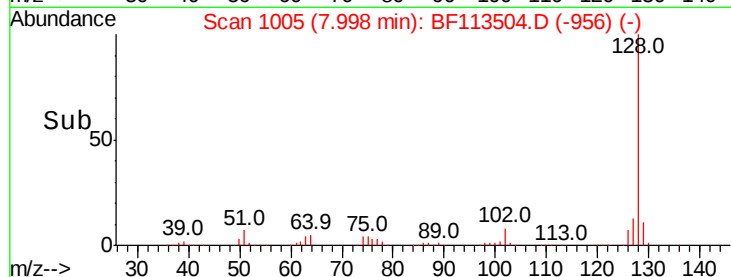
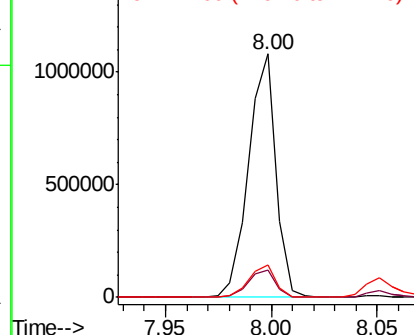
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.3	13.9
127	13.2	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.713 ng

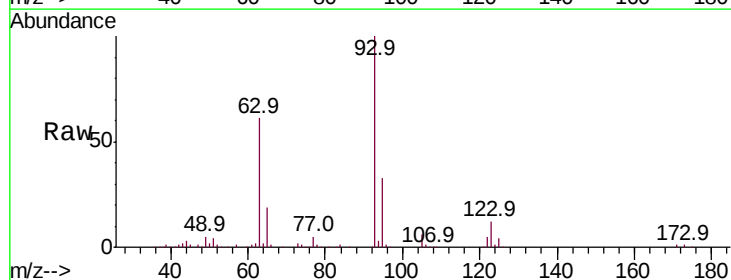
RT: 7.73 min Scan# 960

Delta R.T. -0.06 min

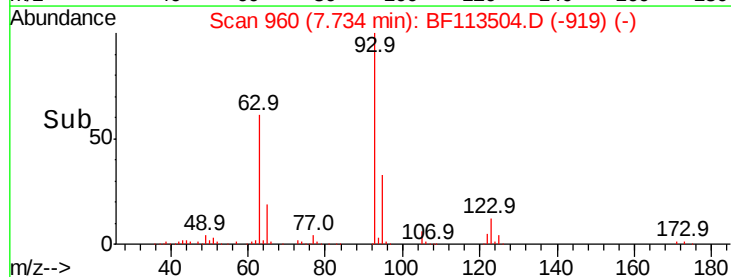
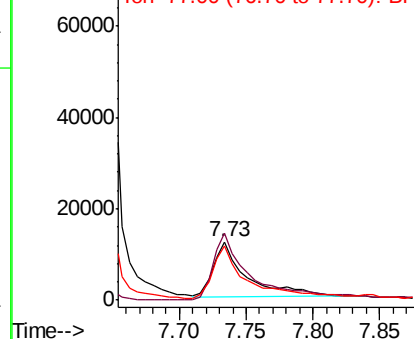
Lab File: BF113504.D

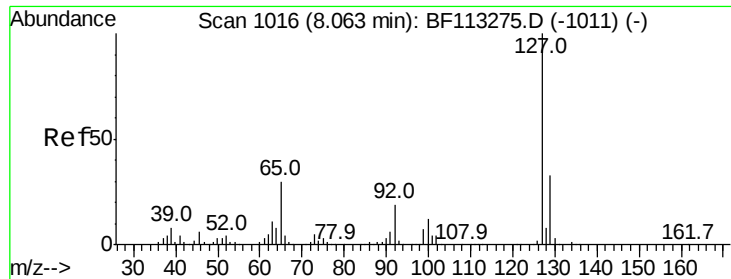
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
122	100		
105	114.9	100.4	140.4
77	93.5	69.0	109.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





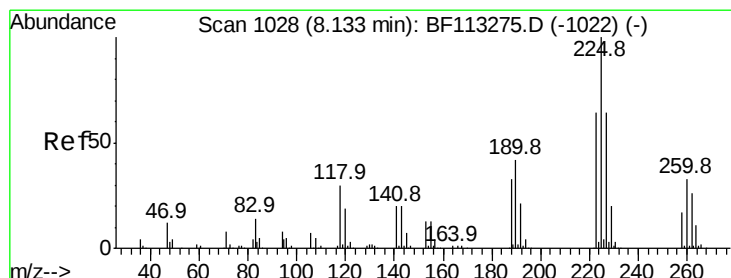
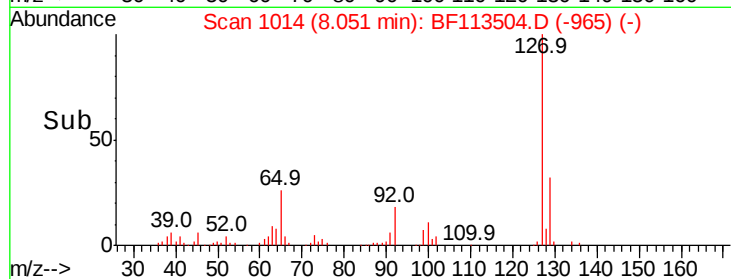
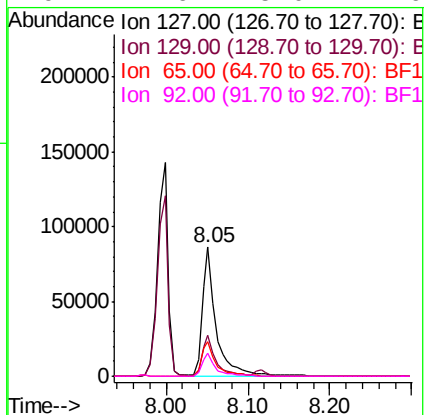
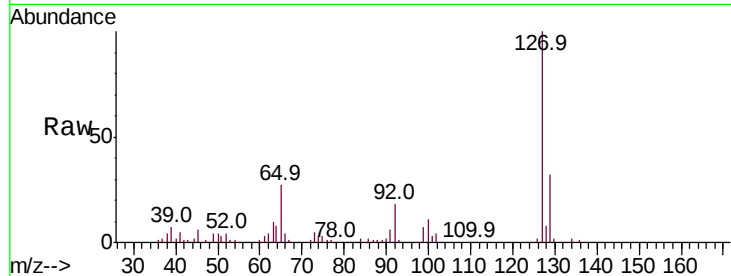
#33
 4-Chloroaniline
 Concen: 9.944 ng
 RT: 8.05 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.1	26.3	39.5	
65	26.8	24.2	36.4	
92	17.6	15.0	22.6	

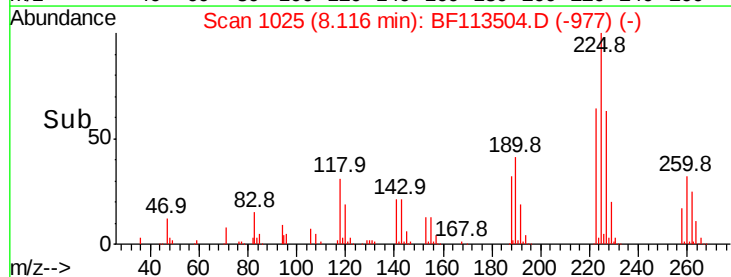
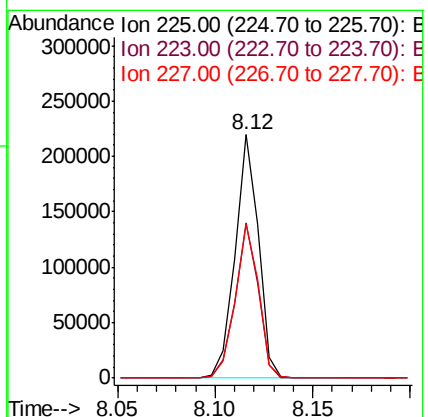
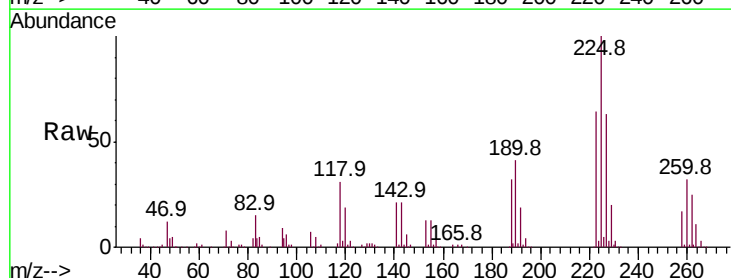
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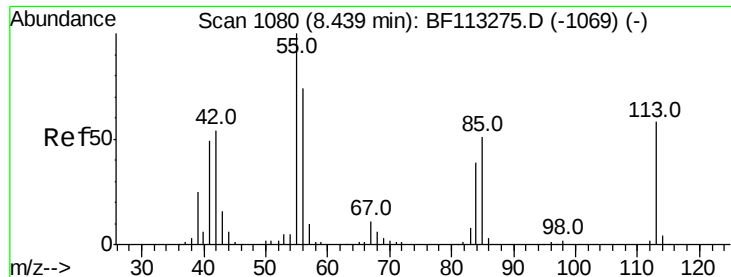
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#34
 Hexachlorobutadiene
 Concen: 36.199 ng
 RT: 8.12 min Scan# 1025
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	51.4	77.2	
227	63.2	51.1	76.7	





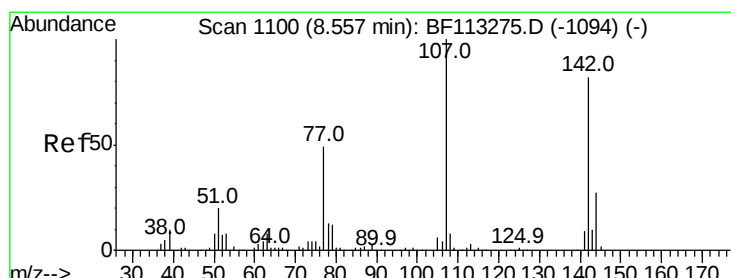
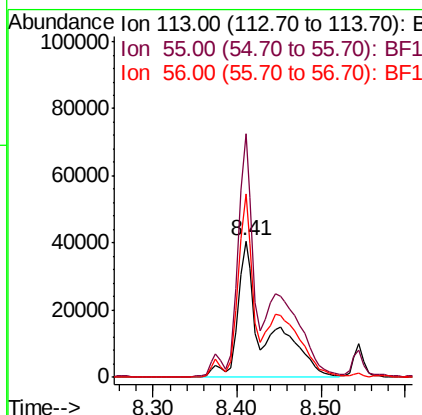
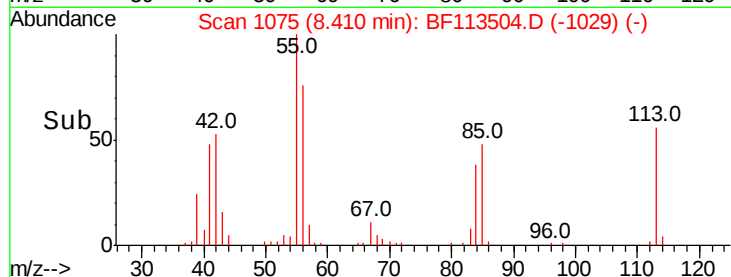
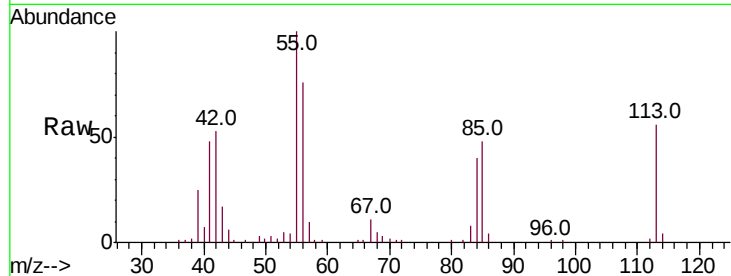
#35
 Caprolactam
 Concen: 37.872 ng/ml
 RT: 8.41 min Scan# 1075
 Delta R.T. -0.03 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleID :
 S4B(2-10)MSD

Tot Ion:113 Resp: 94976
 Ion Ratio Lower Upper
 113 100
 55 178.6 152.7 192.7
 56 134.9 108.3 148.3

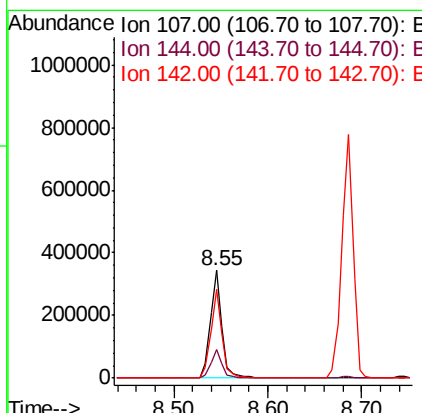
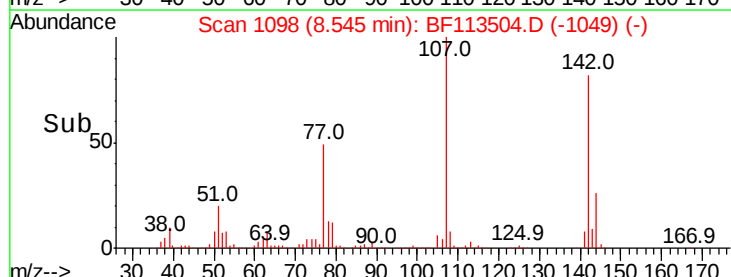
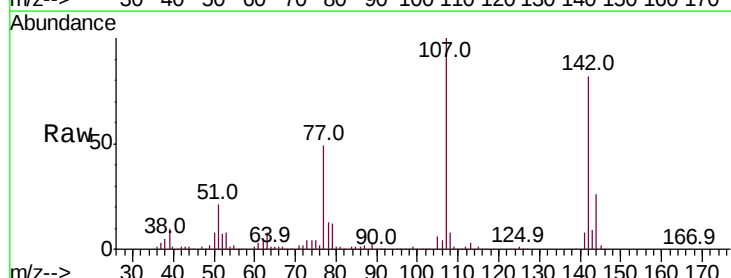
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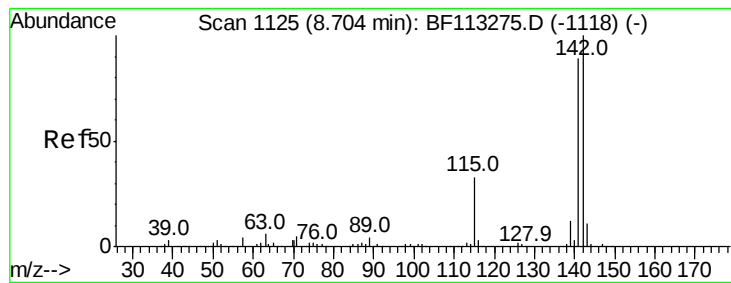
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#36
 4-Chloro-3-methylphenol
 Concen: 38.040 ng/ml
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion:107 Resp: 298964
 Ion Ratio Lower Upper
 107 100
 144 26.2 21.4 32.0
 142 81.9 65.6 98.4





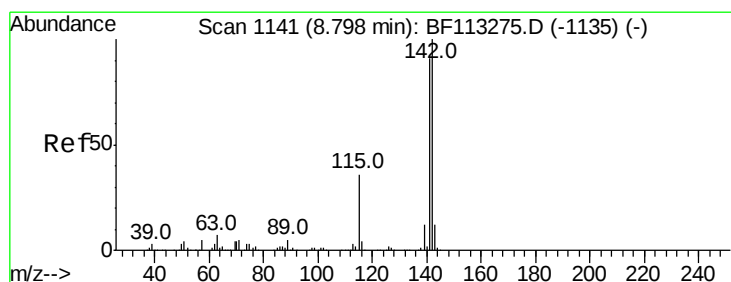
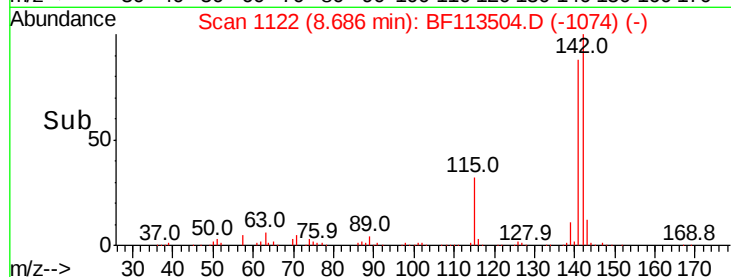
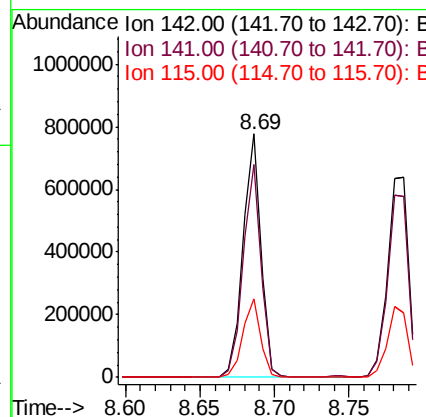
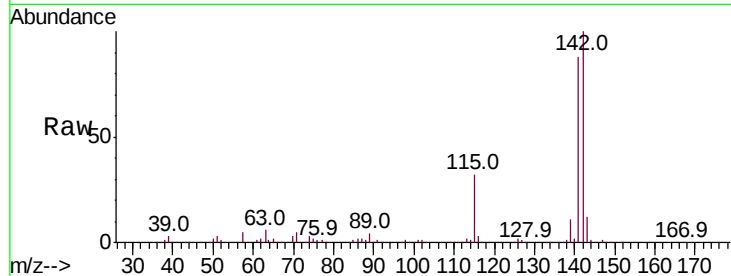
#37
2-Methylnaphthalene
Concen: 39.817 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.0	106.6
115	32.4	26.6	39.8

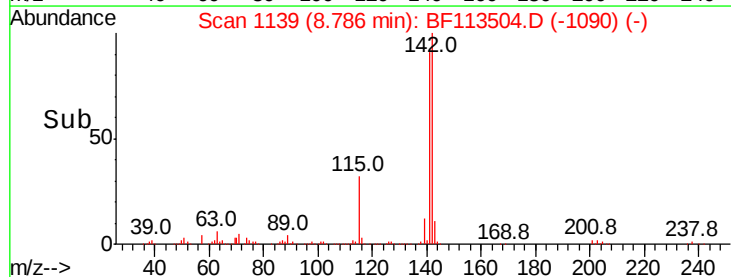
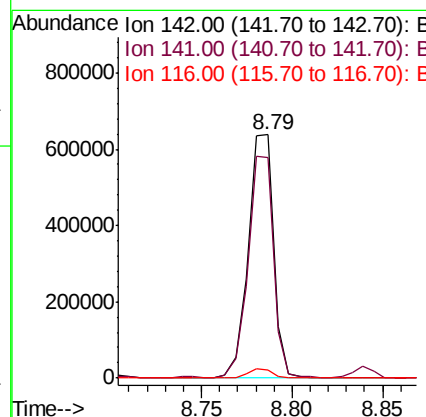
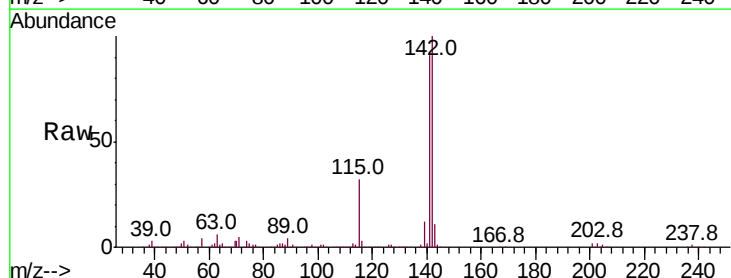
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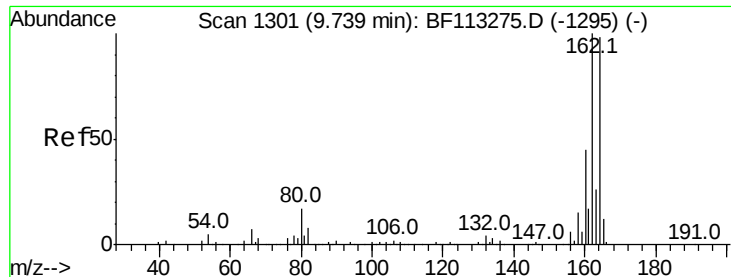
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#38
1-Methylnaphthalene
Concen: 38.852 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.2	109.8
116	3.4	3.0	4.4





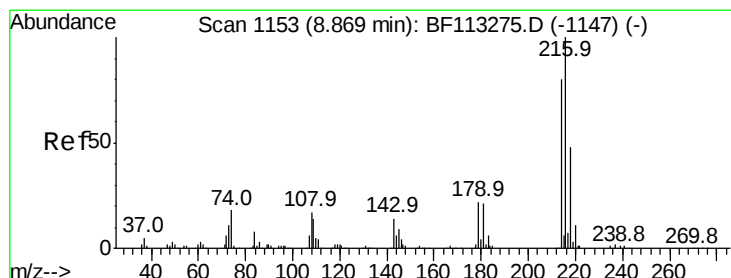
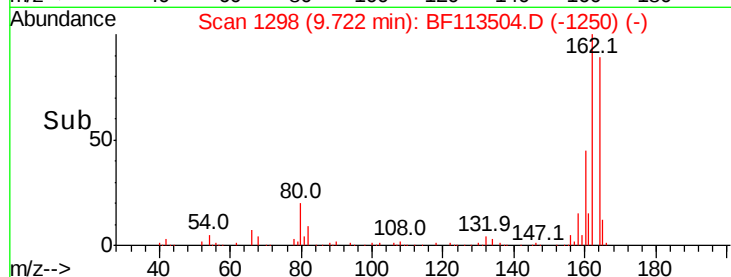
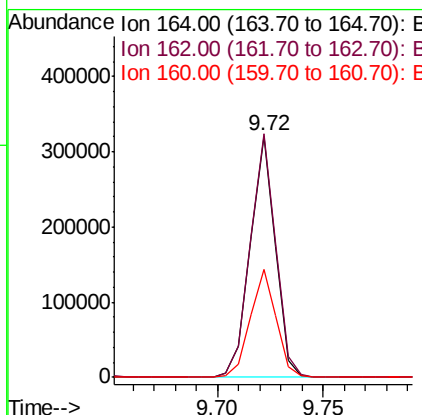
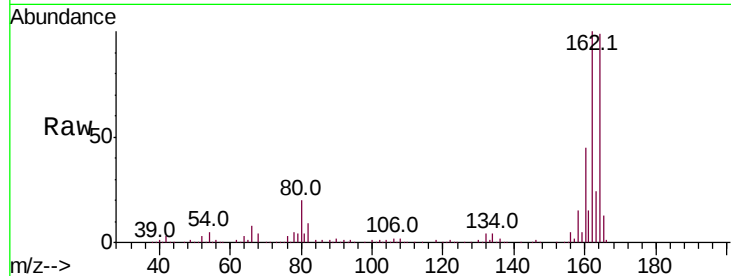
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.8	122.6
160	45.0	36.4	54.6

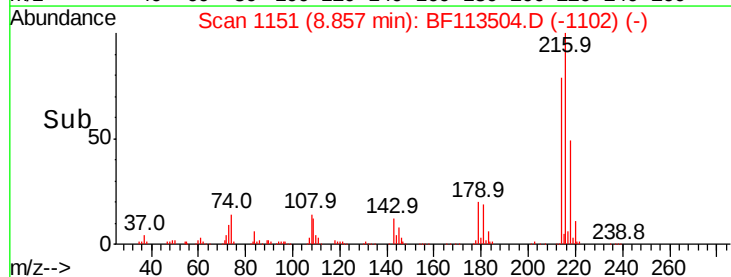
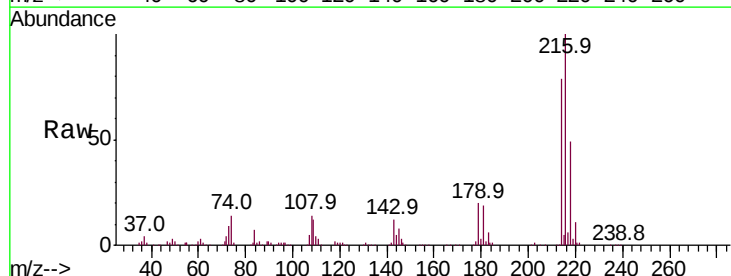
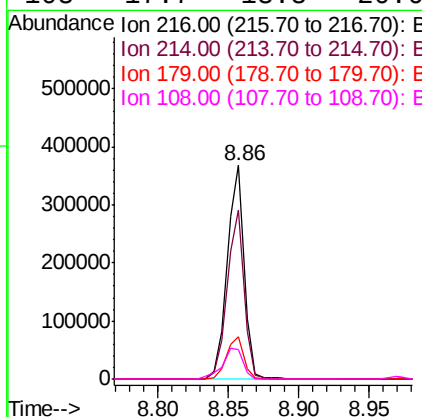
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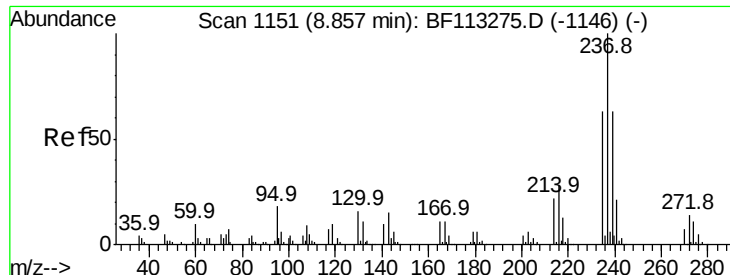
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 35.684 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.6
179	19.9	16.8	25.2
108	17.7	13.8	20.6





#41

Hexachlorocyclopentadiene

Concen: 56.434 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

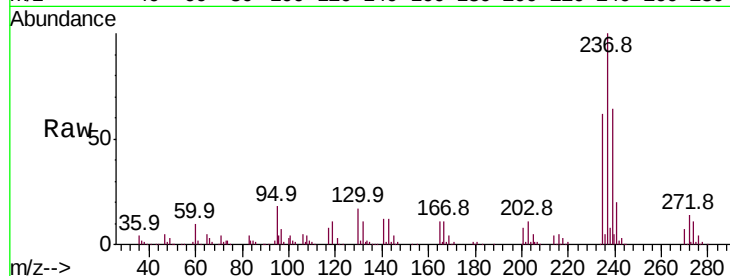
ClientSampleId :

S4B(2-10)MSD

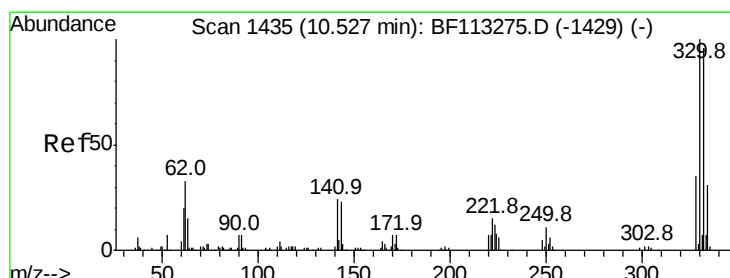
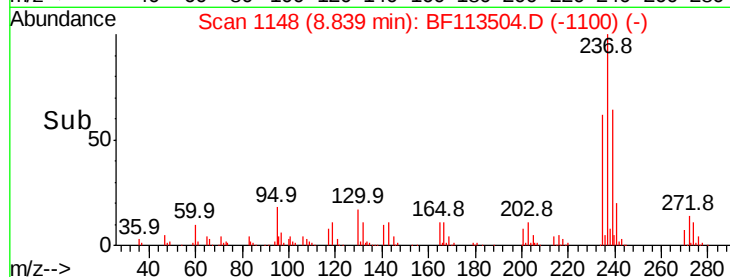
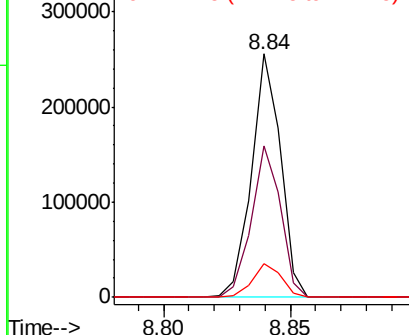
Tot Ion:	237	Resp:	204523
Ion Ratio	Lower	Upper	
237	100		
235	62.2	43.4	83.4
272	13.7	0.0	33.7

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 106.524 ng

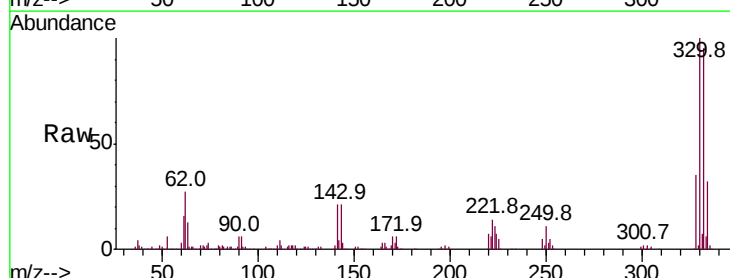
RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

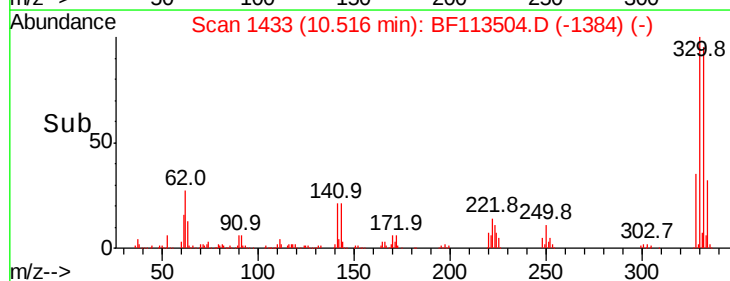
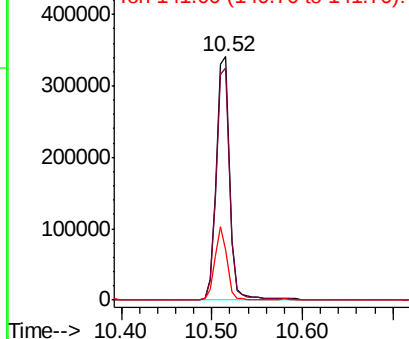
Lab File: BF113504.D

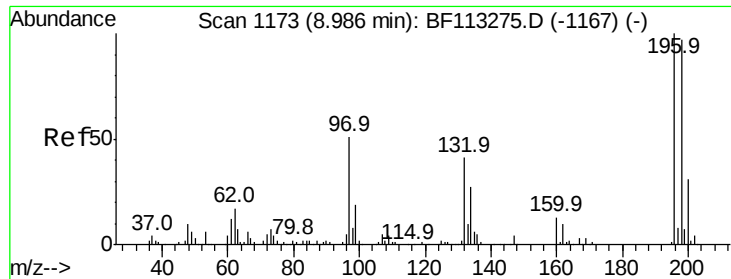
Acq: 2 Apr 2019 14:30

Tgt Ion:	330	Resp:	350969
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.8	116.6
141	27.5	22.7	34.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





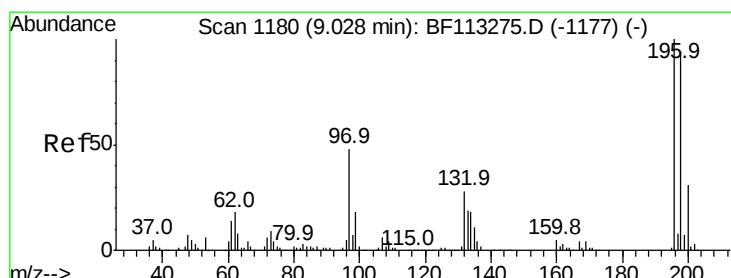
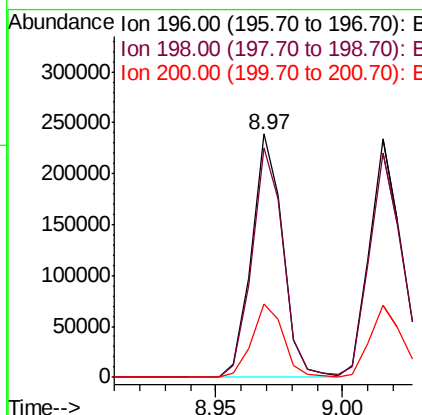
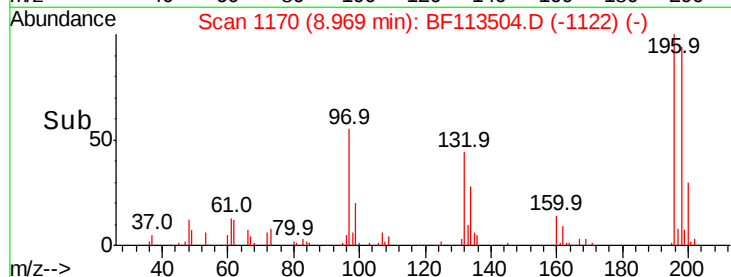
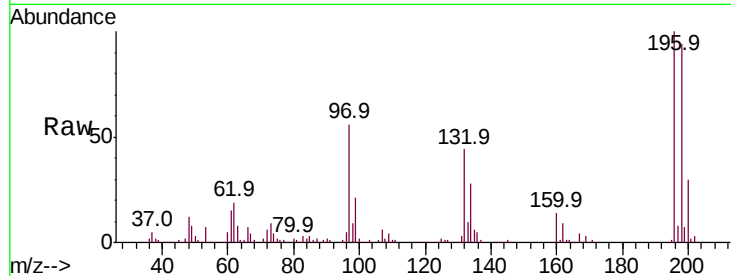
#43
 2,4,6-Trichlorophenol
 Concen: 36.653 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

Tot Ion:	196	Resp:	204361
Ion Ratio	Lower	Upper	
196	100		
198	94.5	77.7	116.5
200	30.1	24.9	37.3

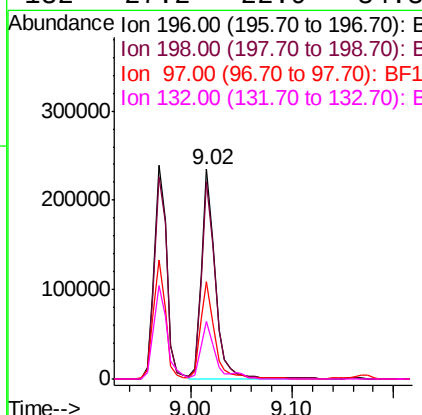
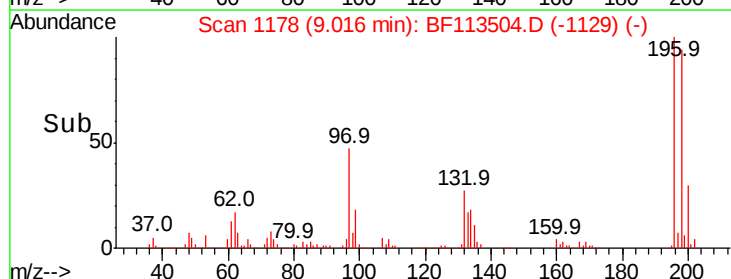
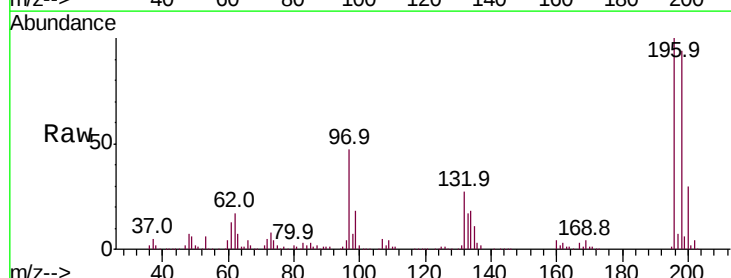
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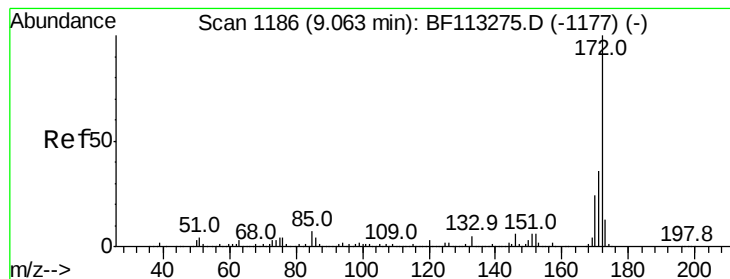
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#44
 2,4,5-Trichlorophenol
 Concen: 35.800 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion:	196	Resp:	220903
Ion Ratio	Lower	Upper	
196	100		
198	93.9	75.4	113.2
97	46.6	38.6	58.0
132	27.2	22.9	34.3





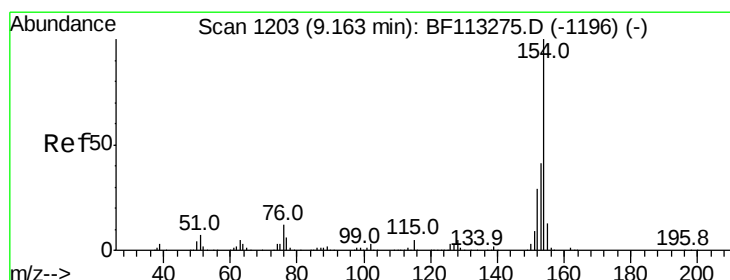
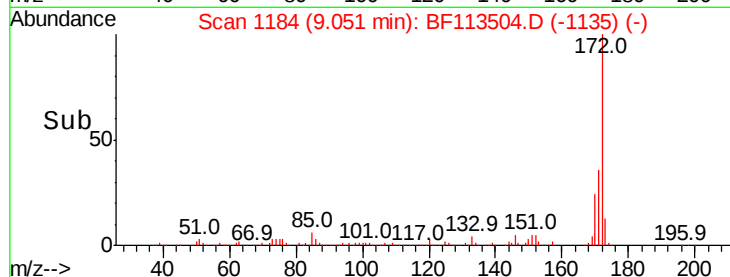
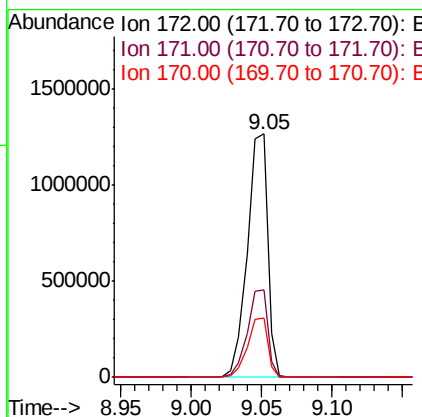
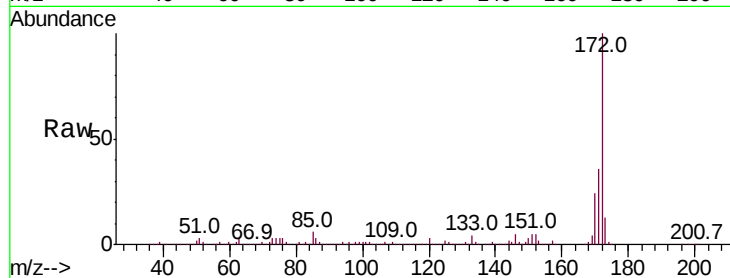
#45
2-Fluorobiphenyl
Concen: 73.383 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	24.3	19.5	29.3

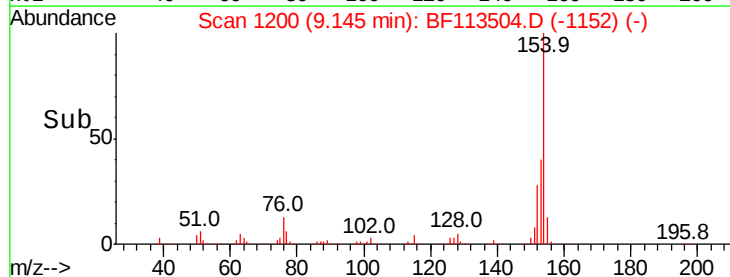
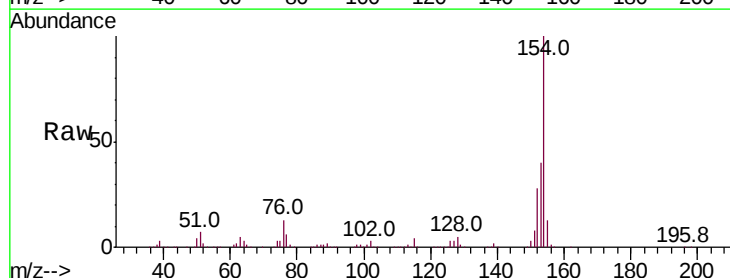
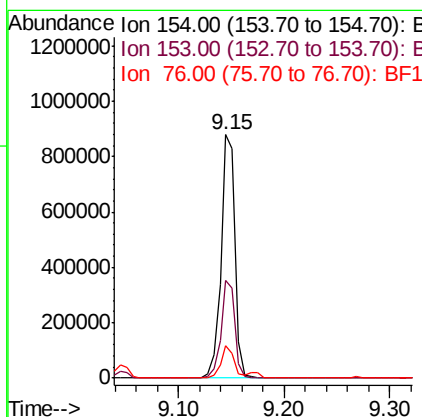
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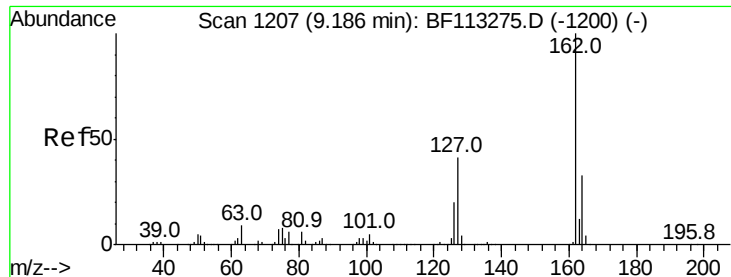
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#46
1,1'-Biphenyl
Concen: 36.487 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.02 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.8	60.8
76	13.2	0.0	31.9





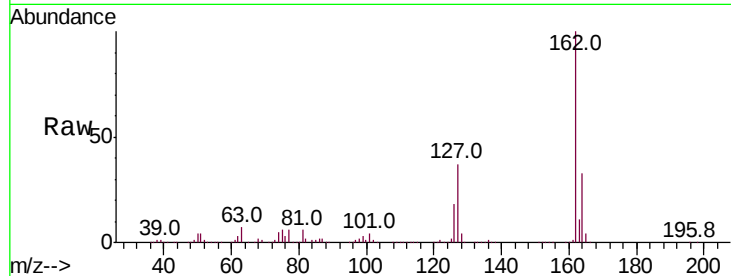
#47
 2-Chloronaphthalene
 Concen: 35.958 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

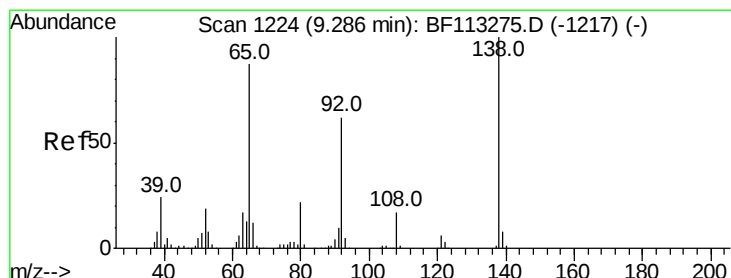
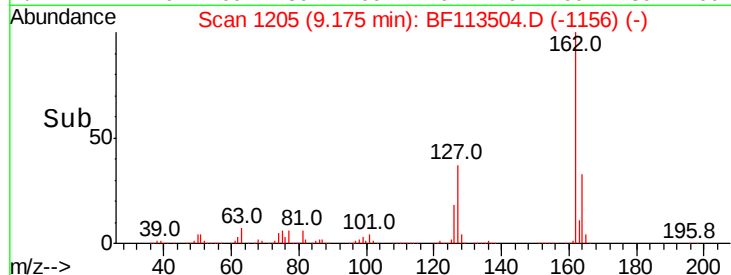
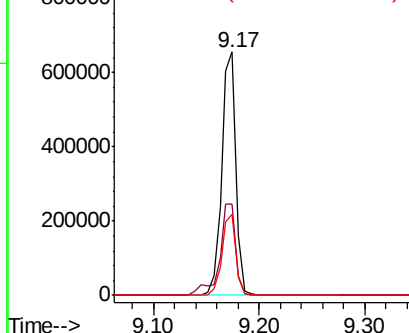
Tot Ion	Ratio	Resp	Lower	Upper
162	100	616768		
127	37.4	32.6	49.0	
164	33.4	26.6	39.8	

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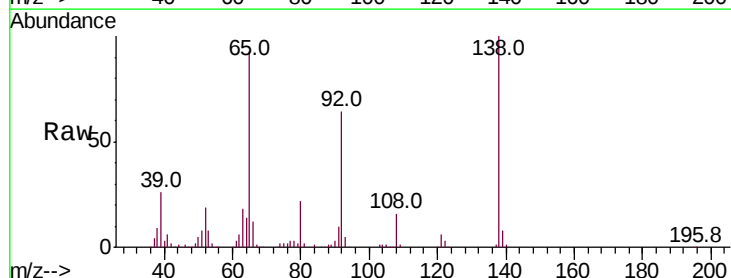


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

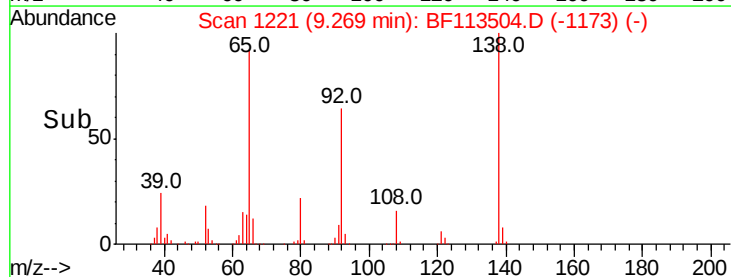
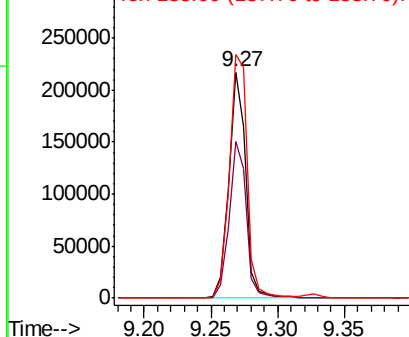


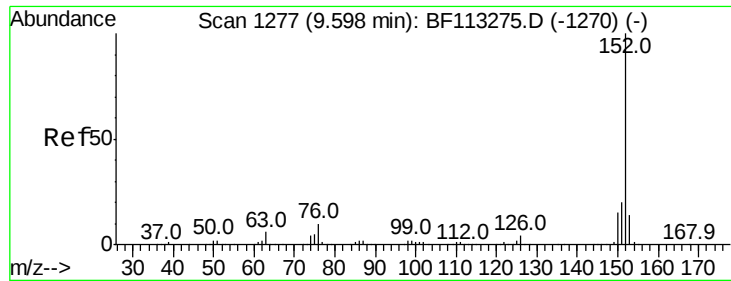
#48
 2-Nitroaniline
 Concen: 36.103 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	194332		
92	69.4	56.8	85.2	
138	107.9	92.3	138.5	



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





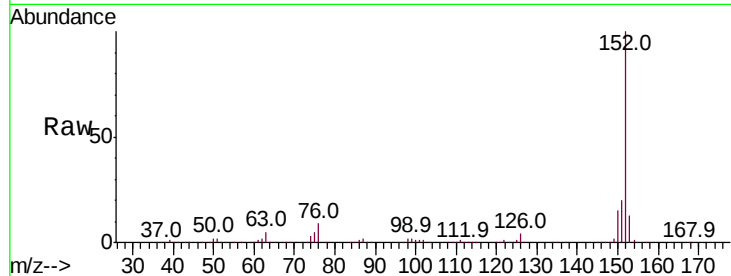
#49
Acenaphthylene
Concen: 36.081 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

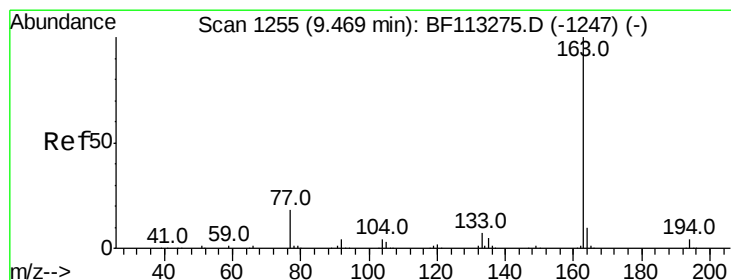
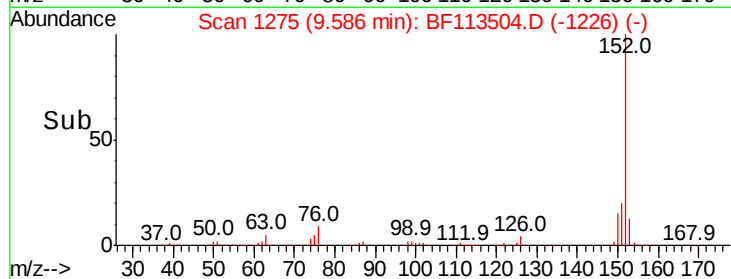
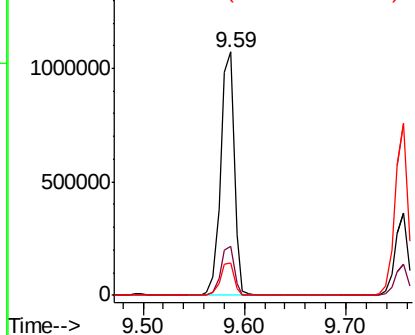
Tot Ion:	152	Resp:	1000668
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.4
153	13.3	11.0	16.6

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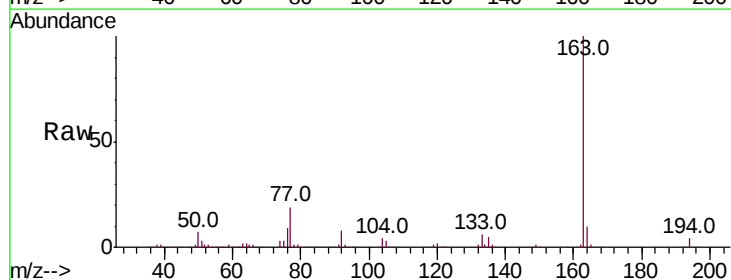


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

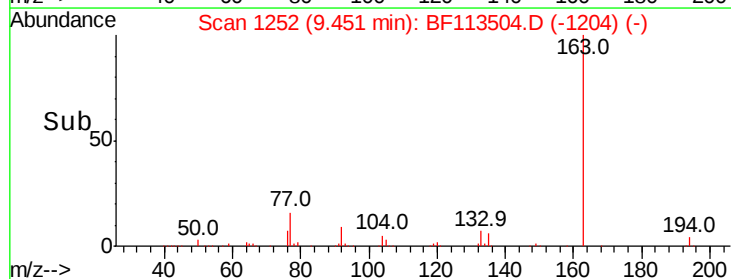
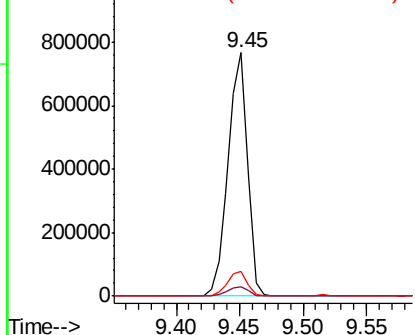


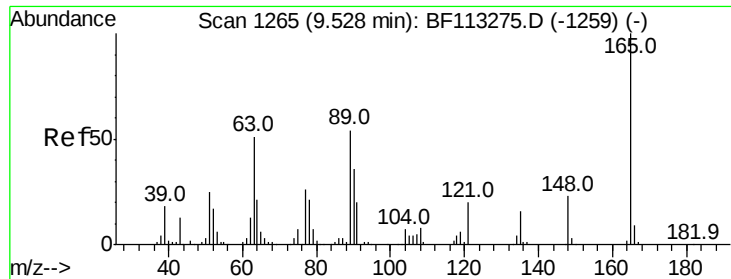
#50
Dimethylphthalate
Concen: 40.885 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion:	163	Resp:	808173
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.3	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 36.800 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

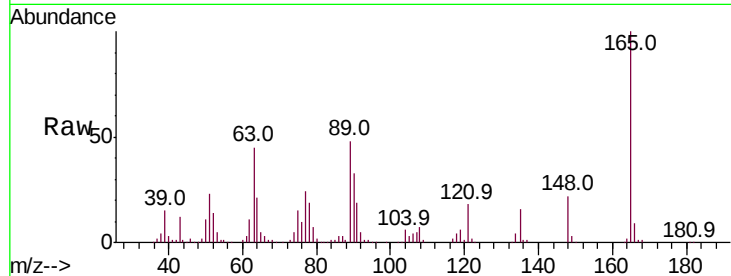
ClientSampleId :

S4B(2-10)MSD

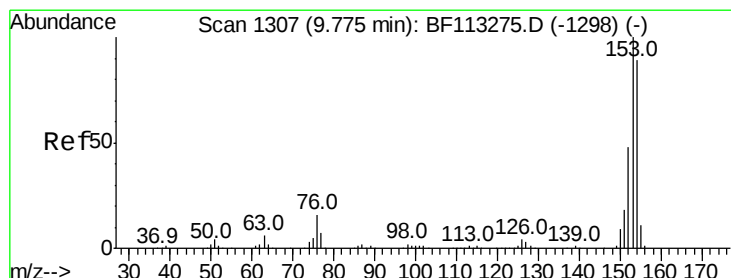
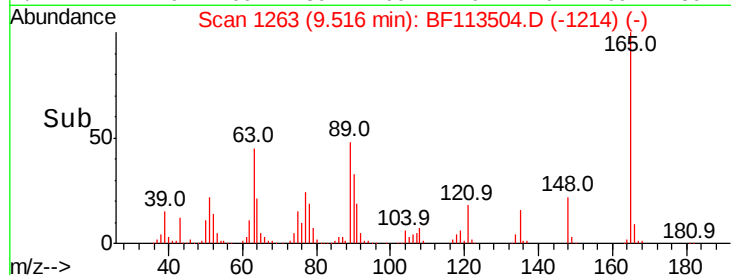
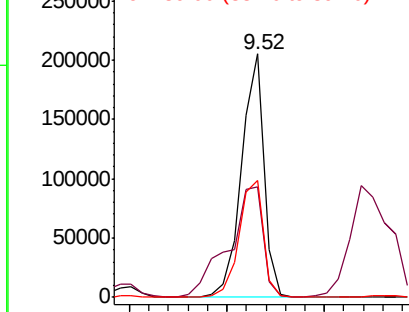
Tot Ion:	165	Resp:	164104
Ion Ratio	Lower	Upper	
165	100		
63	45.3	43.4	65.0
89	47.9	43.1	64.7

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 36.802 ng

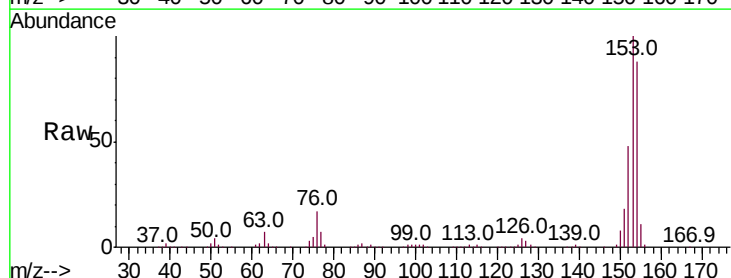
RT: 9.76 min Scan# 1304

Delta R.T. -0.02 min

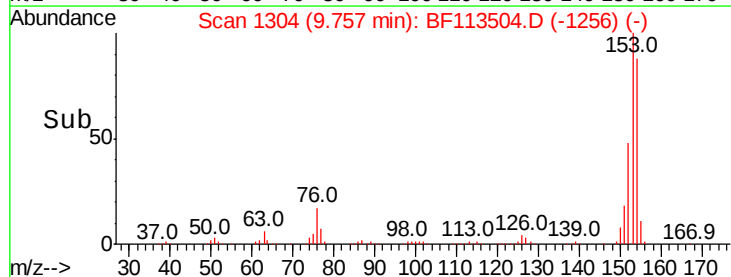
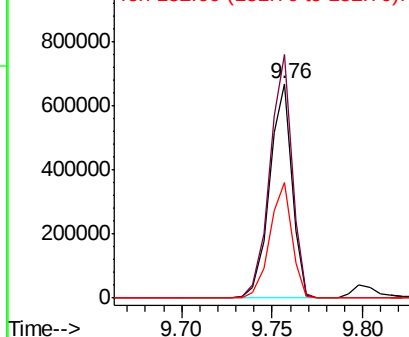
Lab File: BF113504.D

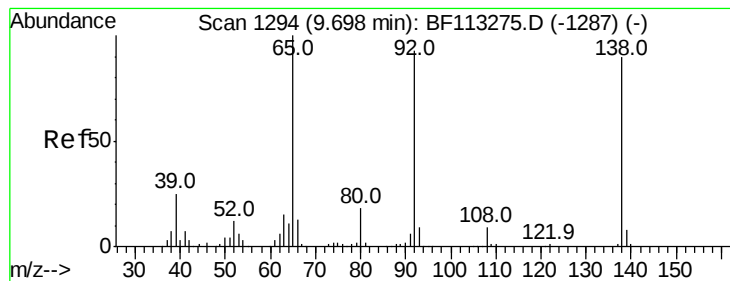
Acq: 2 Apr 2019 14:30

Tgt Ion:	154	Resp:	574787
Ion Ratio	Lower	Upper	
154	100		
153	113.5	89.5	134.3
152	54.0	43.3	64.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 19.931 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

ClientSampleId :

S4B(2-10)MSD

Tot Ion:138 Resp: 100233

Ion Ratio Lower Upper

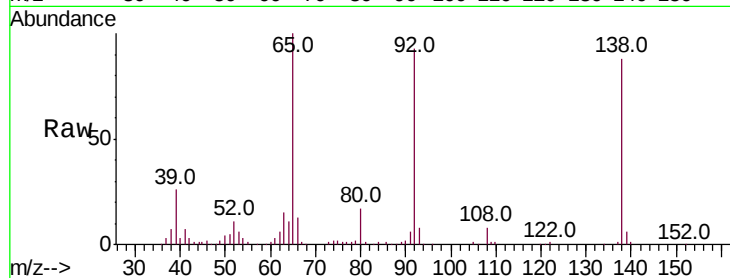
138 100

108 9.3 7.8 11.6

92 105.5 82.6 124.0

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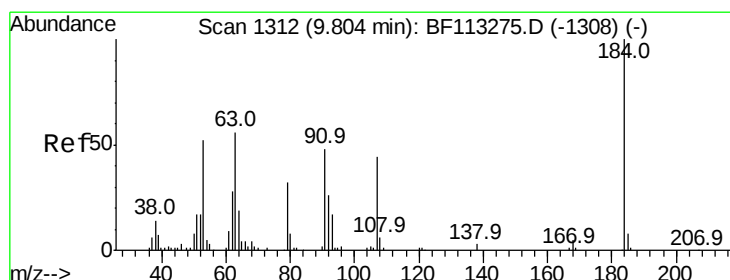
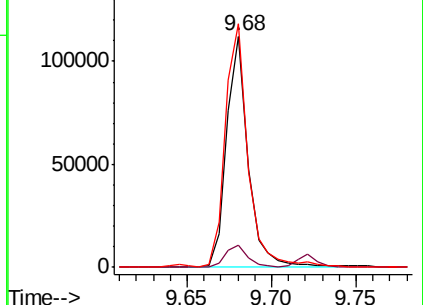
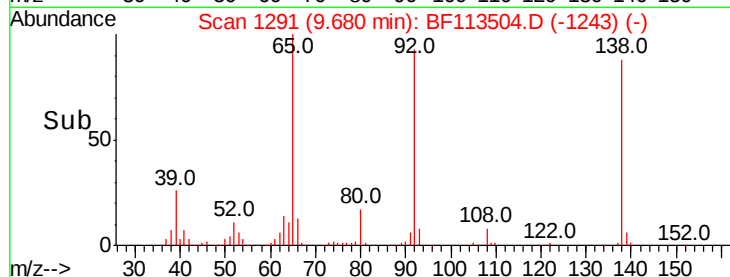
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 34.925 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

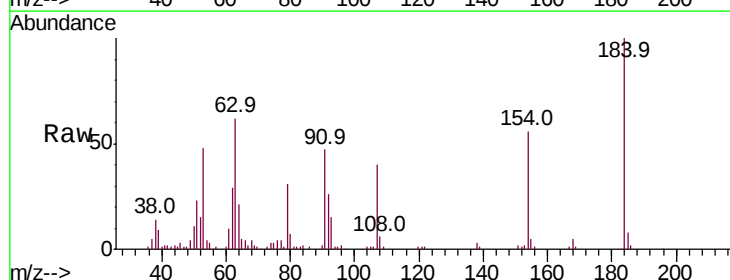
Tgt Ion:184 Resp: 77461

Ion Ratio Lower Upper

184 100

63 62.4 54.3 81.5

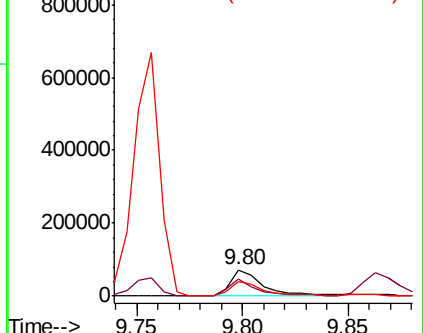
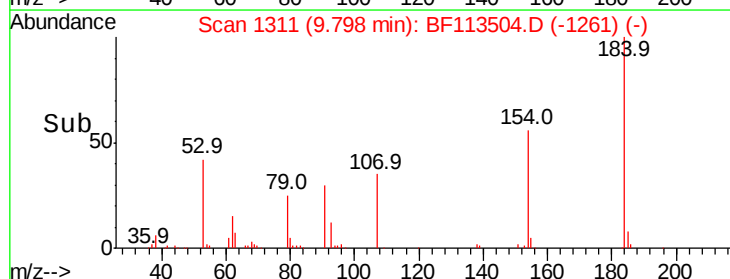
154 56.4 48.4 72.6

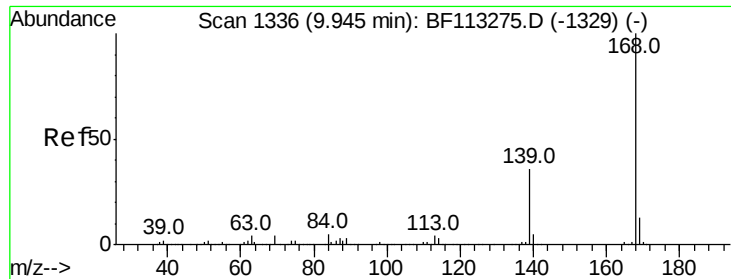


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





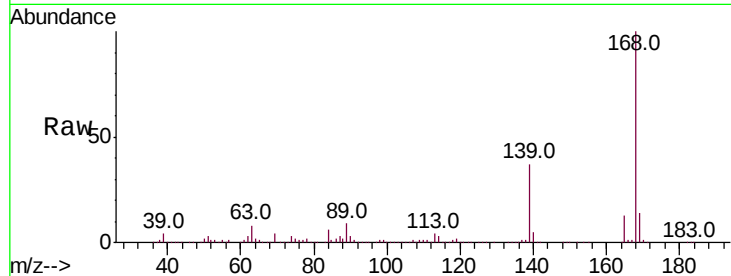
#55
 Dibenzofuran
 Concen: 36.599 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

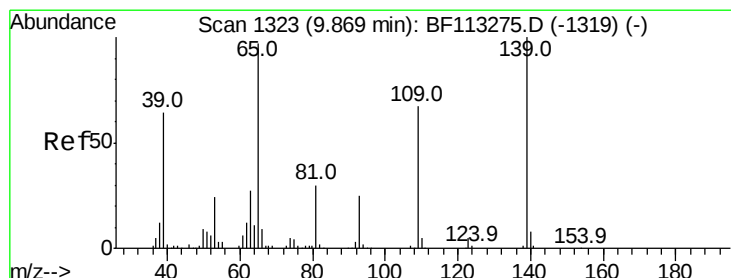
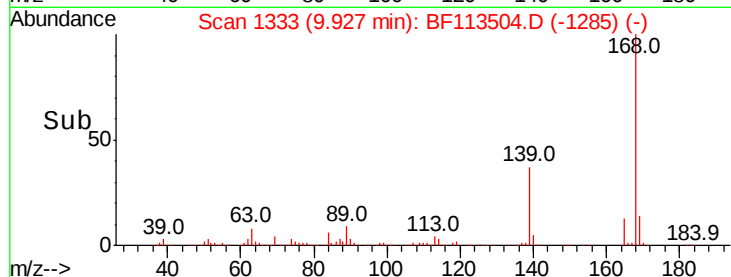
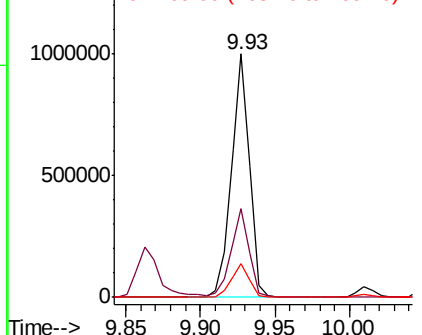
Tot Ion:	168	Resp:	859324
Ion Ratio	Lower	Upper	
168	100		
139	36.7	29.7	44.5
169	13.9	10.7	16.1

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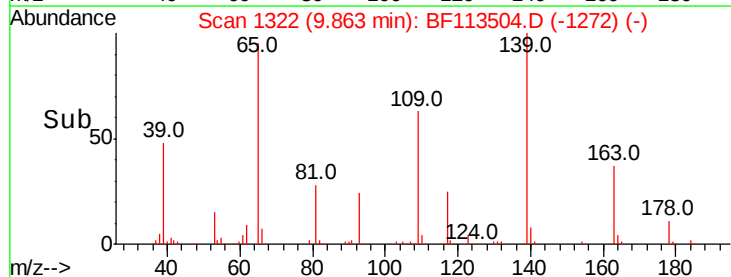
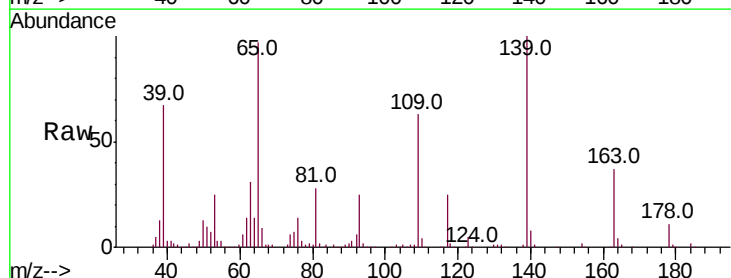
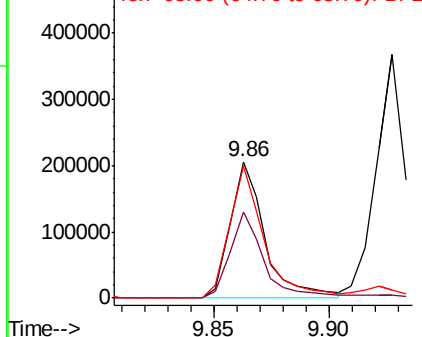
Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

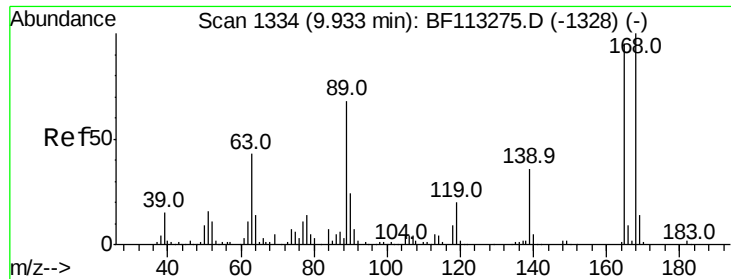


#56
 4-Nitrophenol
 Concen: 59.964 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion:	139	Resp:	214987
Ion Ratio	Lower	Upper	
139	100		
109	63.4	46.9	86.9
65	97.0	77.2	117.2

Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1





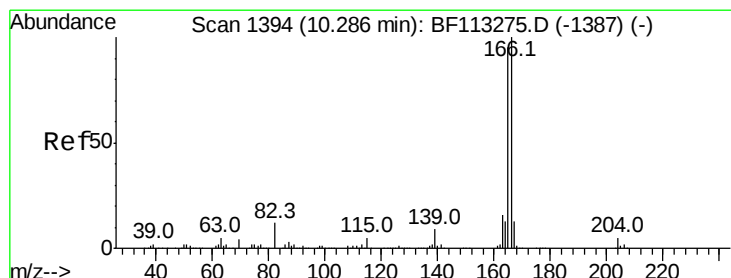
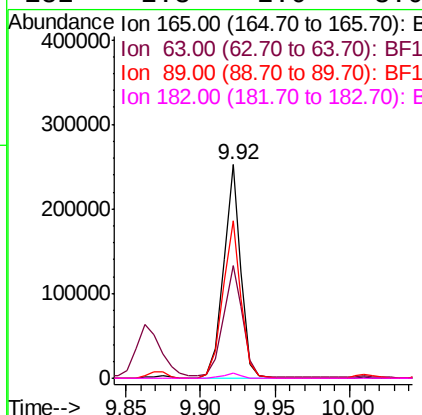
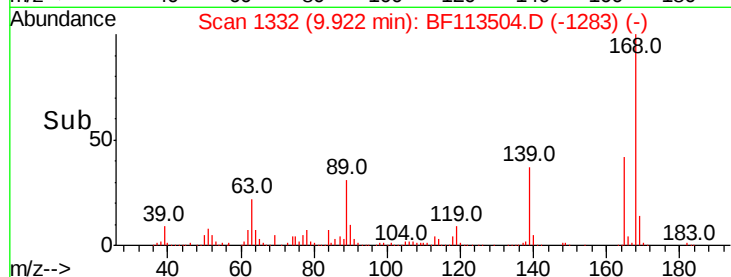
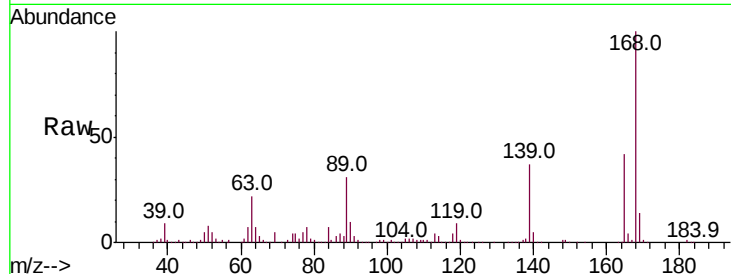
#57
 2,4-Dinitrotoluene
 Concen: 36.285 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	52.8	37.5	56.3
89	73.8	57.4	86.2
182	2.3	2.0	3.0

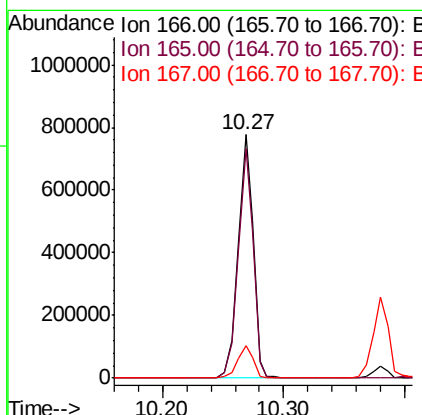
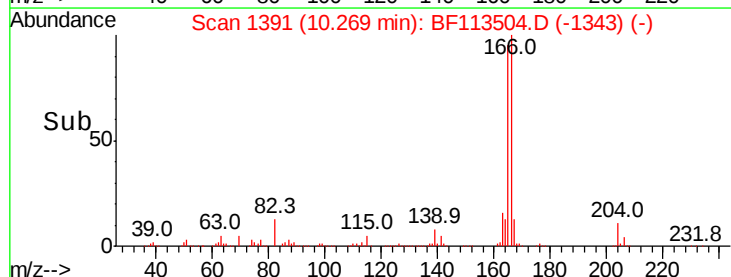
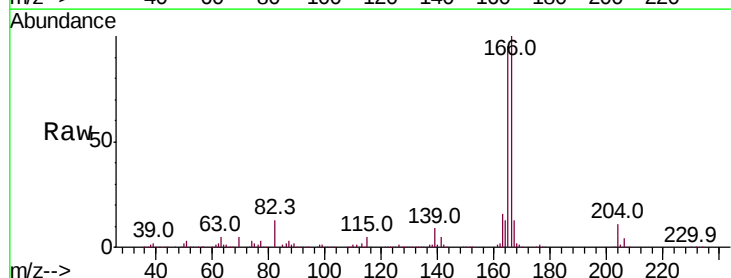
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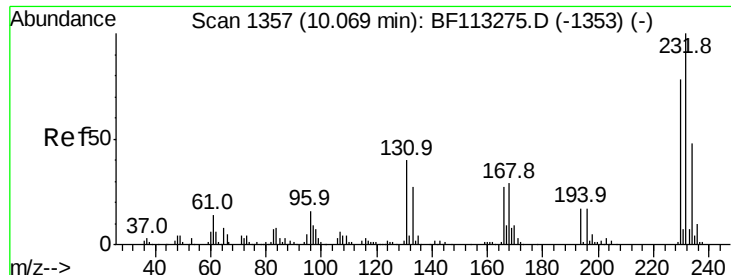
sohil
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#58
 Fluorene
 Concen: 37.336 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	94.5	76.2	114.2
167	13.4	10.7	16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 36.616 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

ClientSampleId :

S4B(2-10)MSD

Tot Ion:232 Resp: 191059

Ion Ratio Lower Upper

232 100

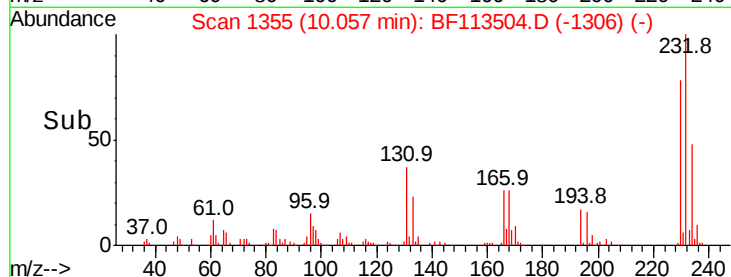
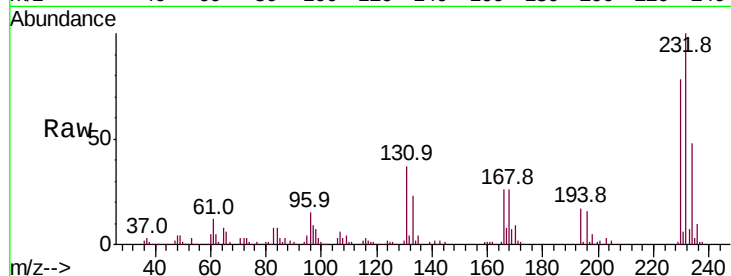
131 39.3 33.2 49.8

130 1.8 1.6 2.4

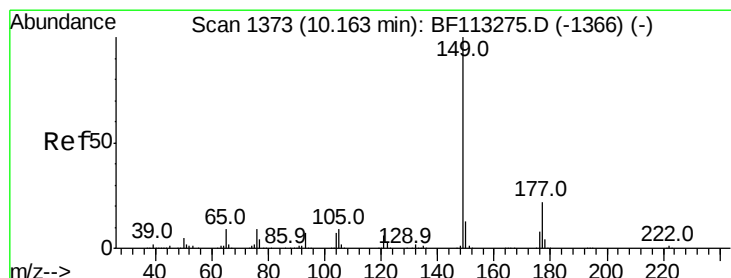
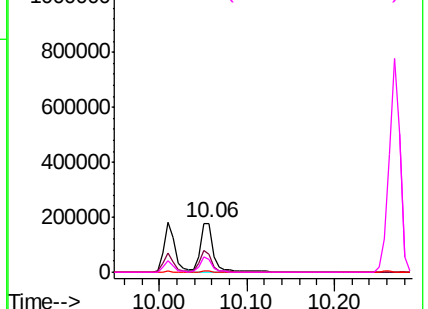
166 26.9 21.0 31.6

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Abundance Ion 232.00 (231.70 to 232.70): E
1200000
Ion 131.00 (130.70 to 131.70): E
1000000
Ion 130.00 (129.70 to 130.70): E
800000
Ion 166.00 (165.70 to 166.70): E
600000
400000
200000
0



#60

Diethylphthalate

Concen: 37.096 ng

RT: 10.15 min Scan# 1370

Delta R.T. -0.02 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

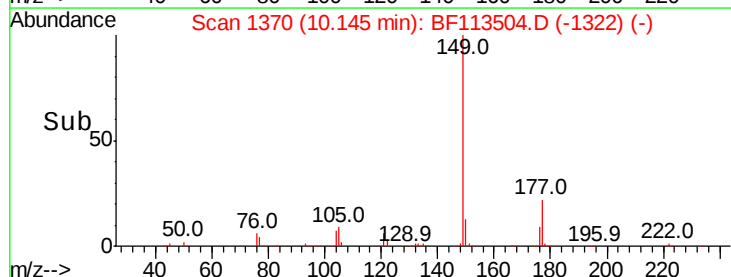
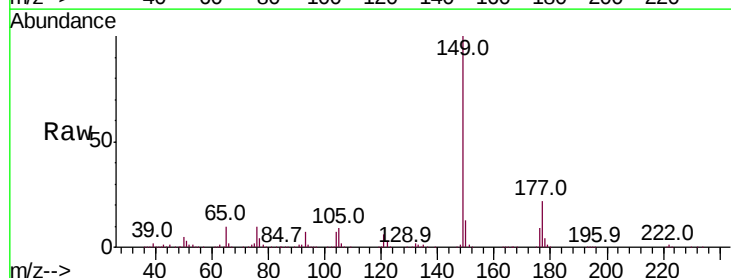
Tgt Ion:149 Resp: 719343

Ion Ratio Lower Upper

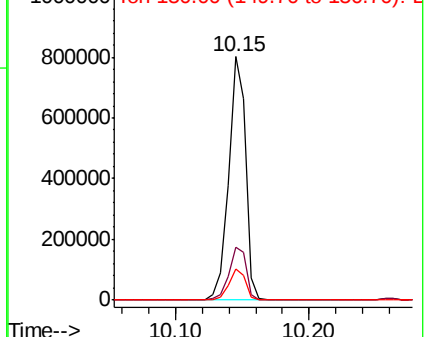
149 100

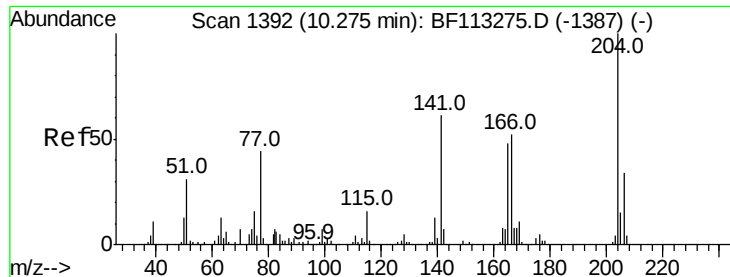
177 21.9 17.4 26.0

150 12.7 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E
1000000
Ion 177.00 (176.70 to 177.70): E
800000
Ion 150.00 (149.70 to 150.70): E
600000
400000
200000
0





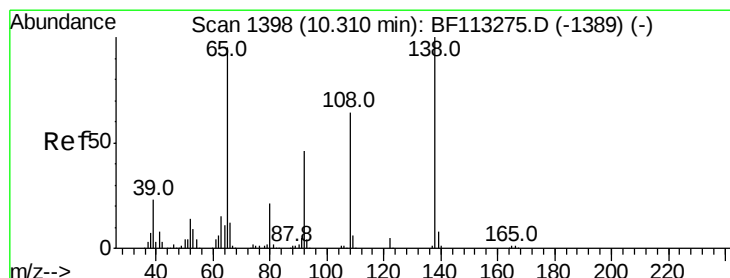
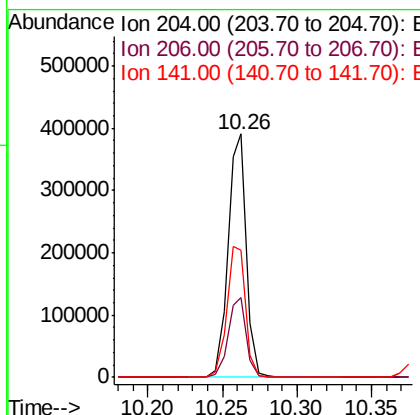
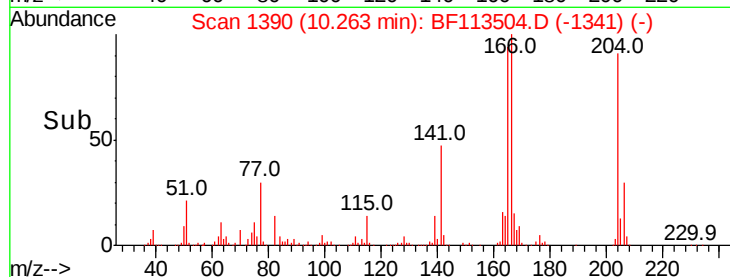
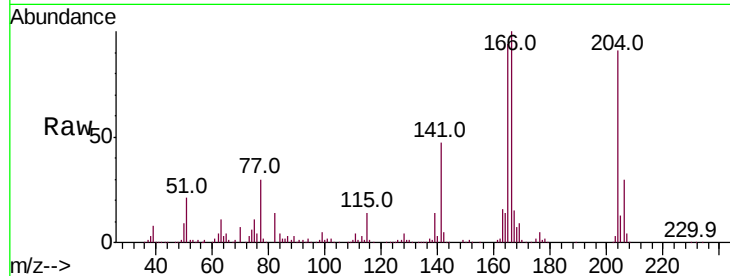
#61
 4-Chlorophenyl-phenylether
 Concen: 38.174 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

Tot Ion:	204	Resp:	339363
Ion Ratio	Lower	Upper	
204	100		
206	32.7	26.9	40.3
141	52.1	48.8	73.2

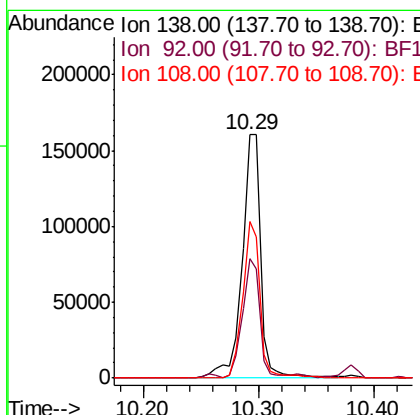
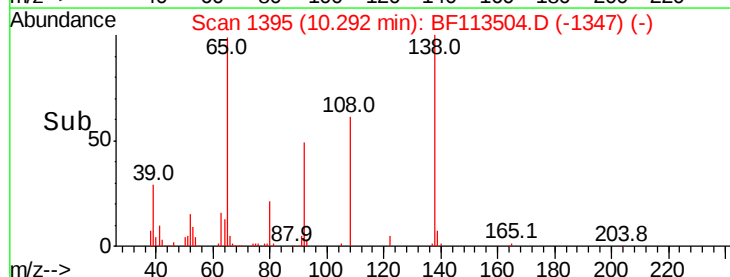
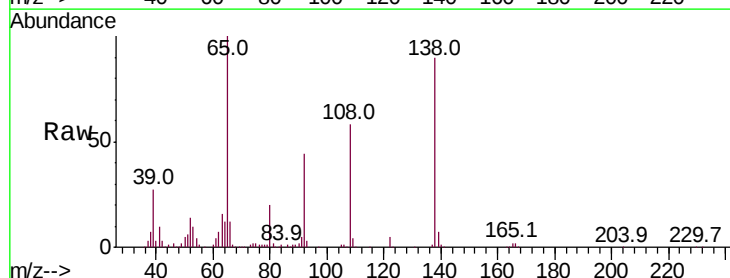
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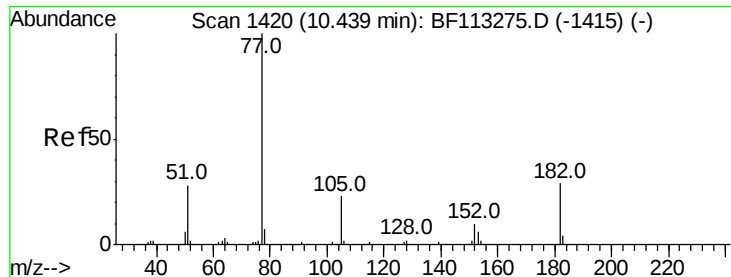
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#62
 4-Nitroaniline
 Concen: 34.892 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion:	138	Resp:	180661
Ion Ratio	Lower	Upper	
138	100		
92	49.2	25.8	65.8
108	64.3	44.0	84.0





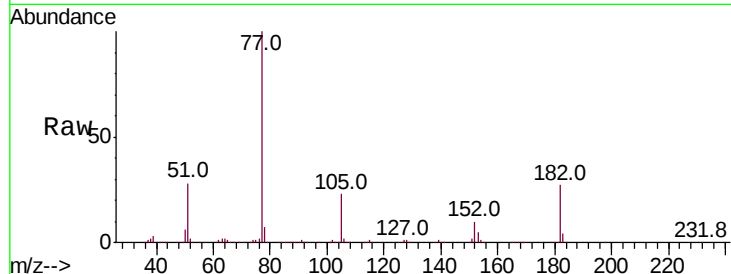
#63
Azobenzene
Concen: 36.934 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.02 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	27.1	8.7	48.7	
105	22.9	2.9	42.9	
51	28.0	8.8	48.8	

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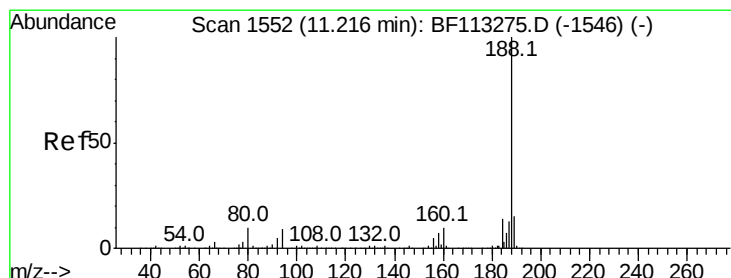
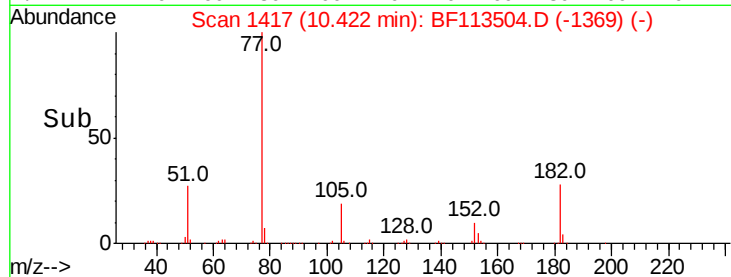
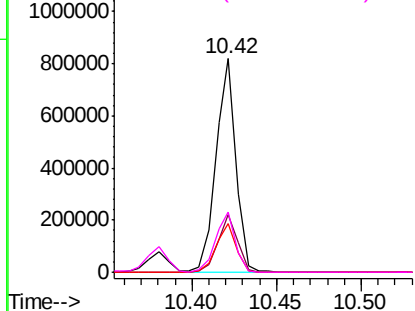
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

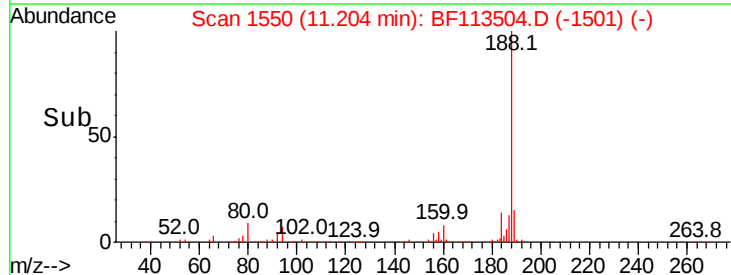
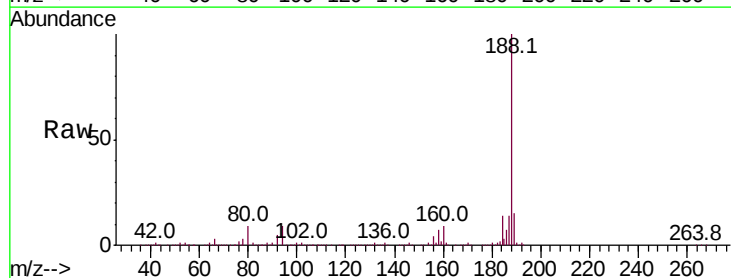
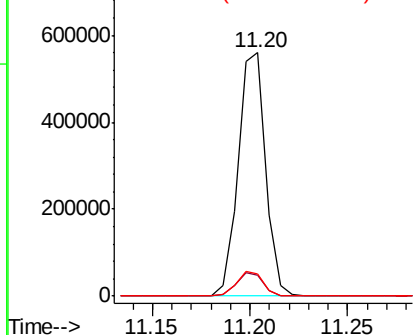
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.6	7.0	10.6	
80	9.1	7.7	11.5	

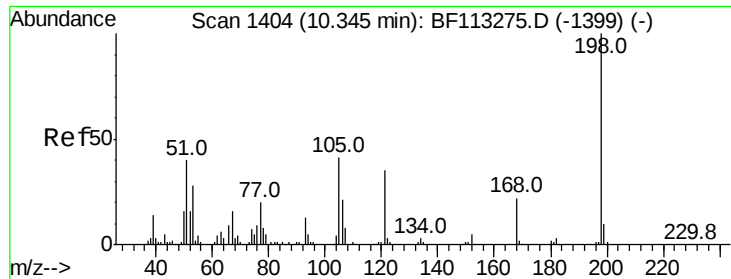
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 27.127 ng

RT: 10.33 min Scan# 1402

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

ClientSampleId :

S4B(2-10)MSD

Tot Ion:198 Resp: 80828

Ion Ratio Lower Upper

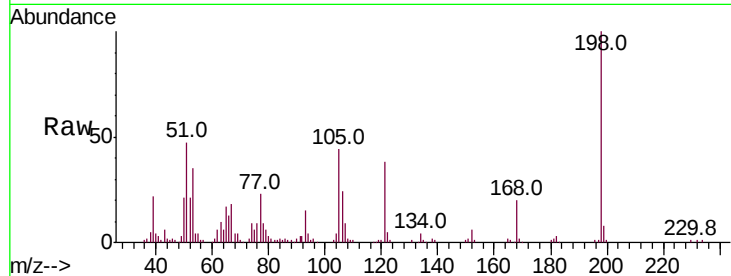
198 100

51 47.5 21.6 61.6

105 43.9 20.6 60.6

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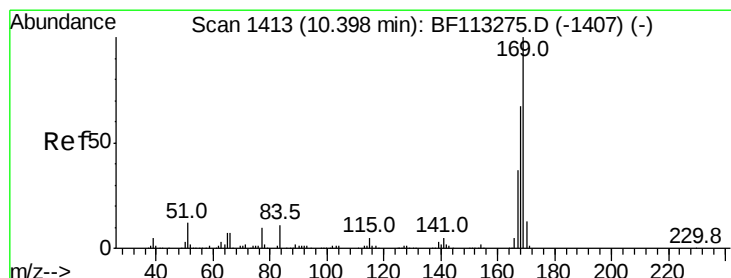
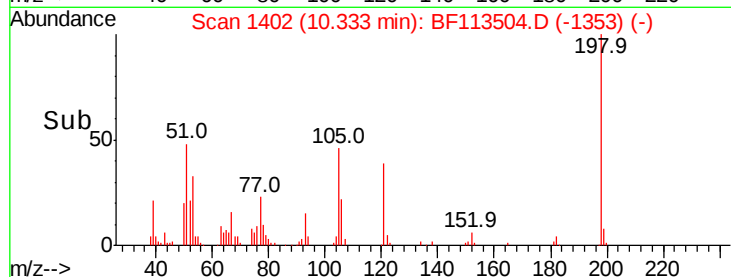
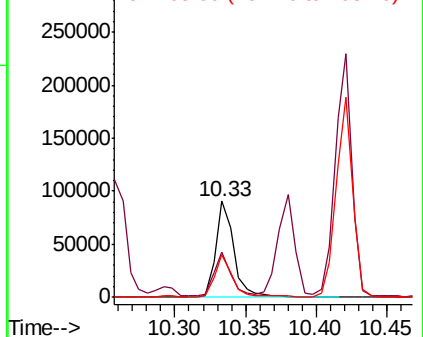
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 37.156 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.02 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Tgt Ion:169 Resp: 620991

Ion Ratio Lower Upper

169 100

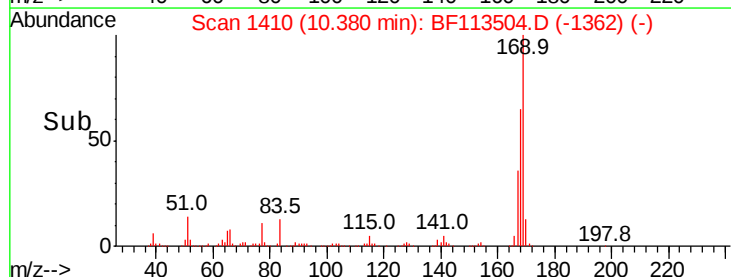
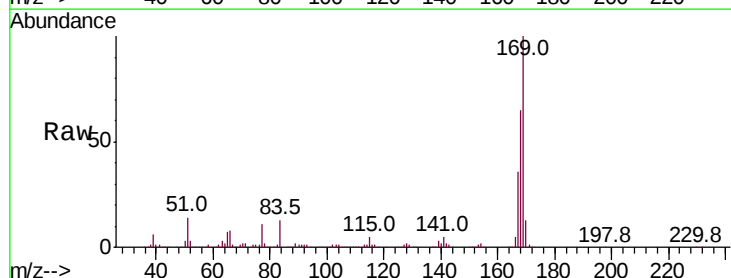
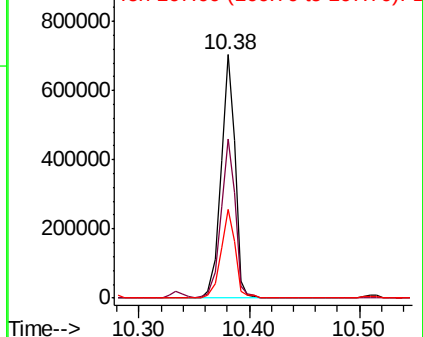
168 65.2 53.7 80.5

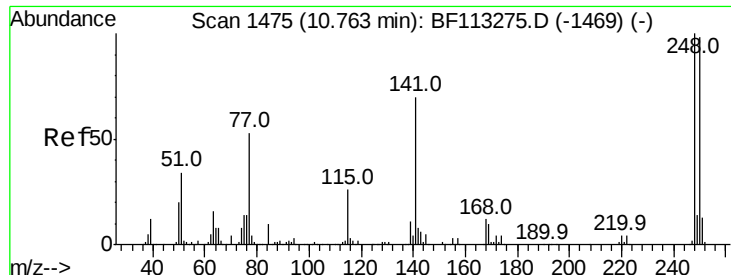
167 36.5 29.5 44.3

Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





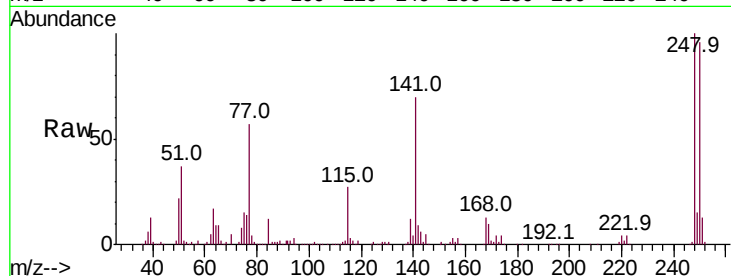
#67
 4-Bromophenyl-phenylether
 Concen: 36.783 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.0	78.3	117.5
141	70.4	56.2	84.4

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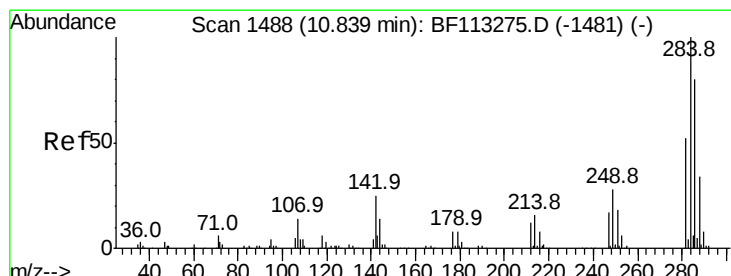
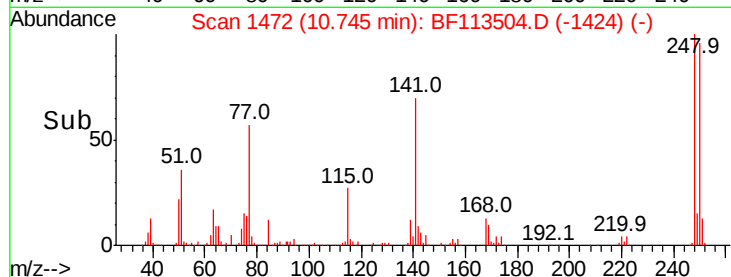
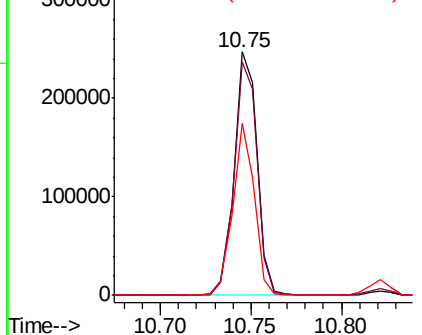


Abundance

Ion 248.00 (247.70 to 248.70): E

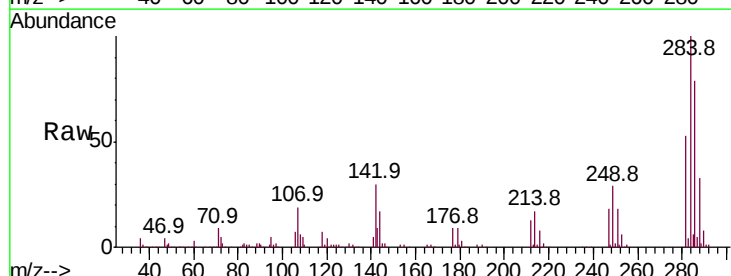
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 36.941 ng
 RT: 10.82 min Scan# 1485
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.6	20.1	30.1
249	29.4	22.7	34.1

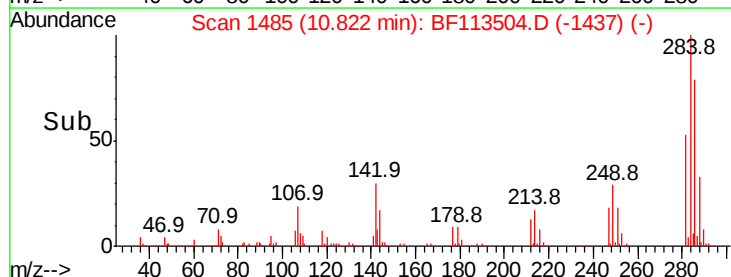
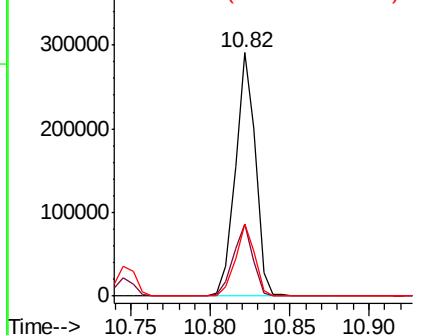


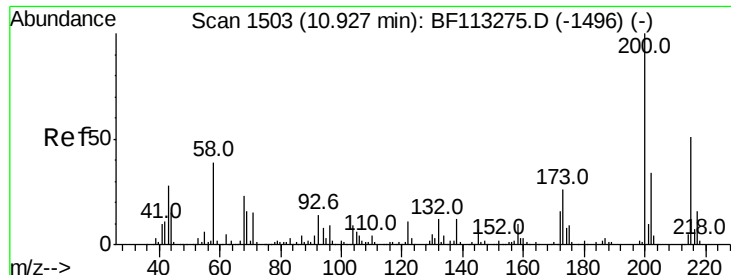
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





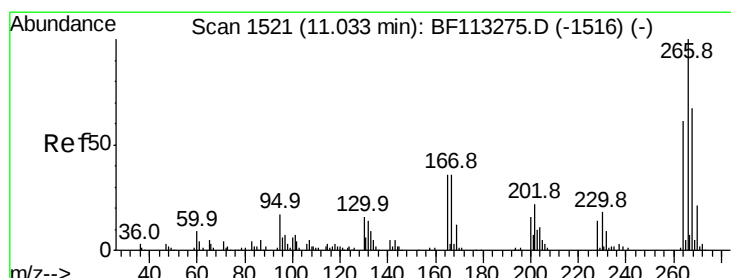
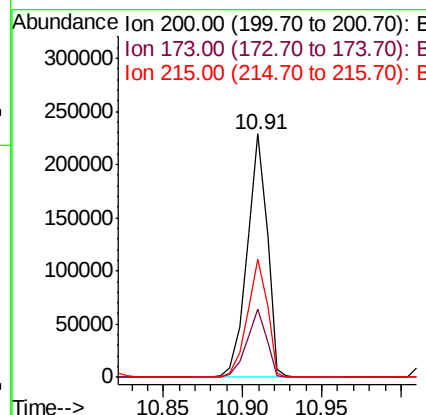
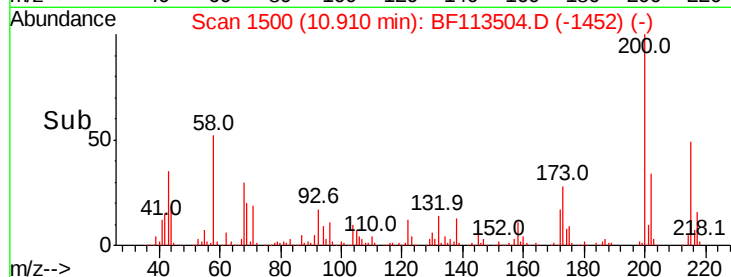
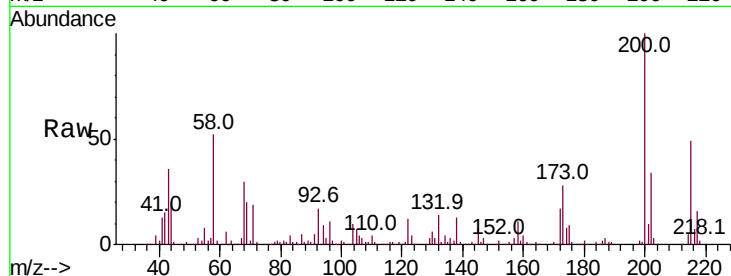
#69
Atrazine
Concen: 37.959 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.02 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100			
173	27.9	6.0	46.0	
215	48.6	31.3	71.3	

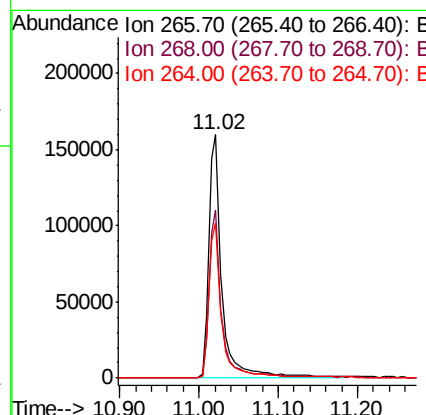
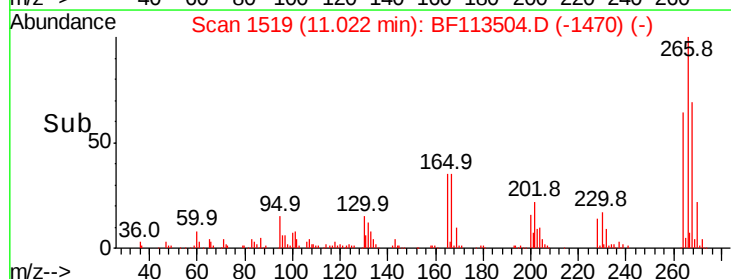
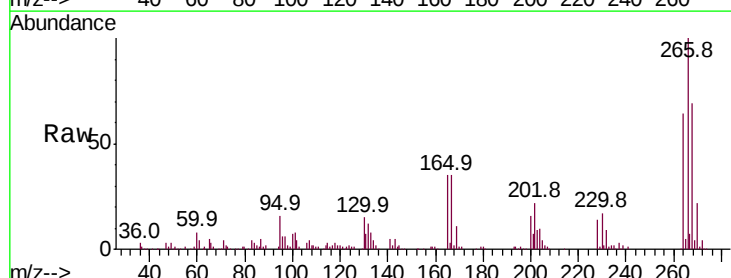
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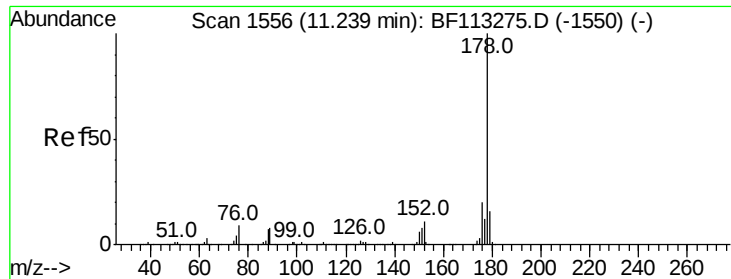
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#70
Pentachlorophenol
Concen: 52.407 ng
RT: 11.02 min Scan# 1519
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
268	69.3	53.8	80.6	
264	63.8	49.2	73.8	





#71

Phenanthrene

Concen: 37.534 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

ClientSampleId :

S4B(2-10)MSD

Tot Ion:178 Resp: 1015232

Ion Ratio Lower Upper

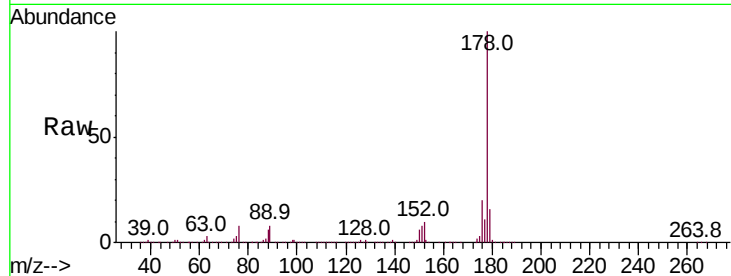
178 100

176 19.9 16.2 24.2

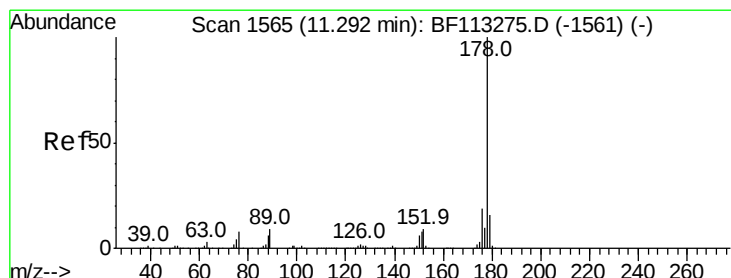
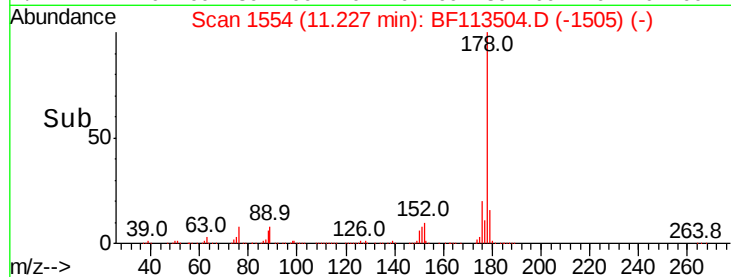
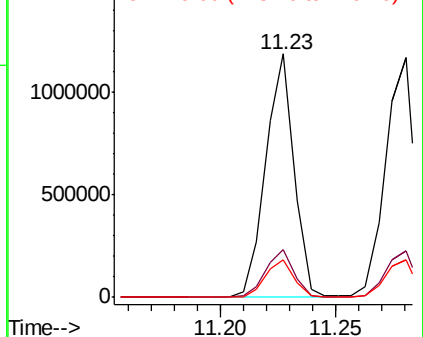
179 15.7 12.7 19.1

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 38.047 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

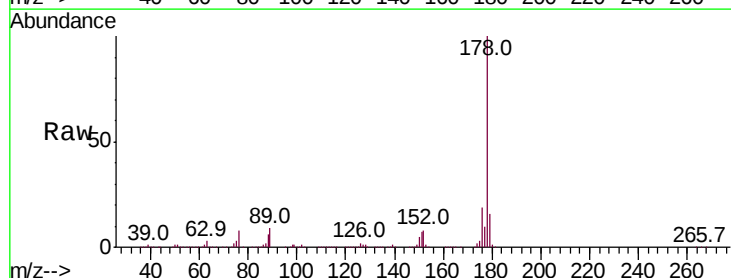
Tgt Ion:178 Resp: 1045303

Ion Ratio Lower Upper

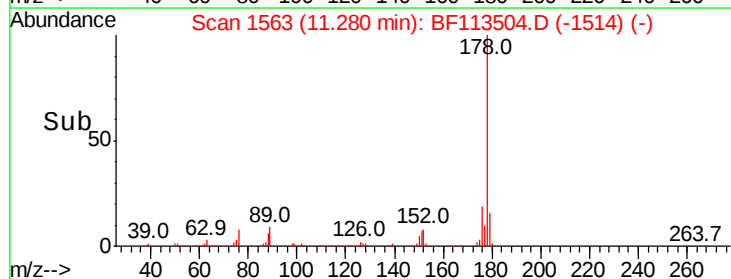
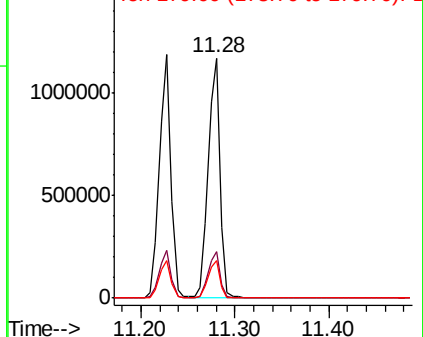
178 100

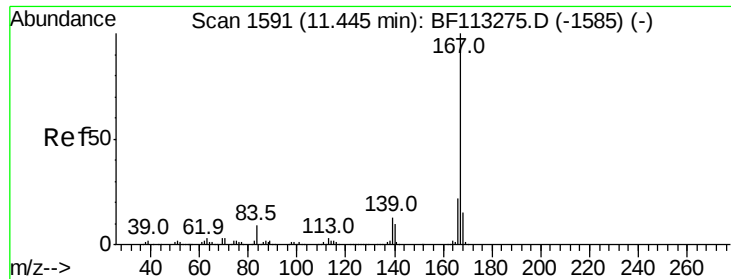
176 19.2 15.4 23.2

179 15.8 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





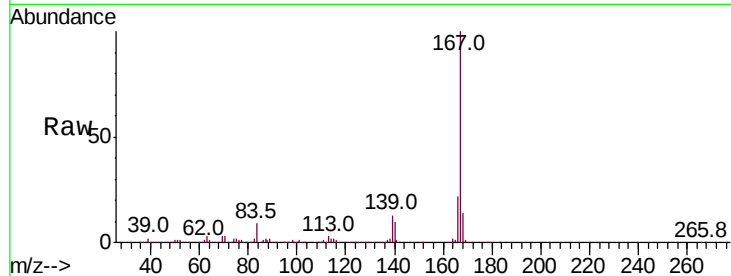
#73
 Carbazole
 Concen: 36.744 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

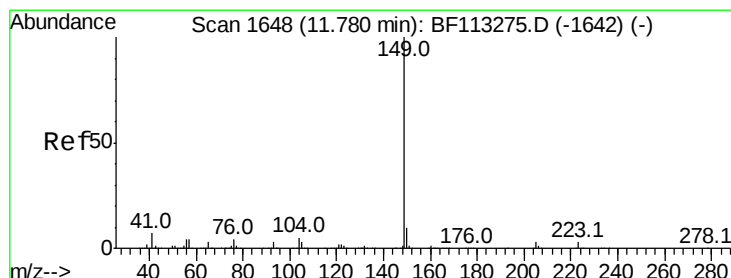
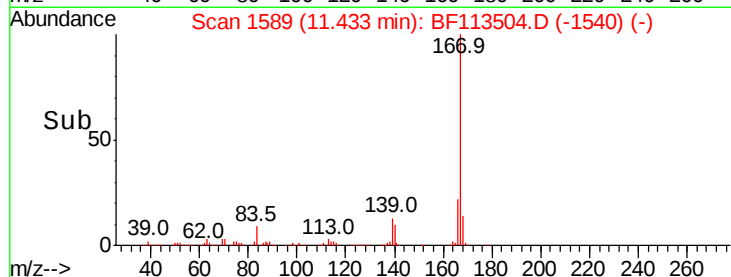
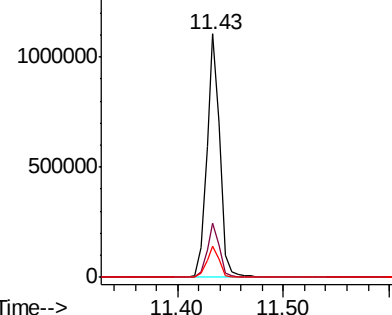
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.0
139	12.9	10.4	15.6

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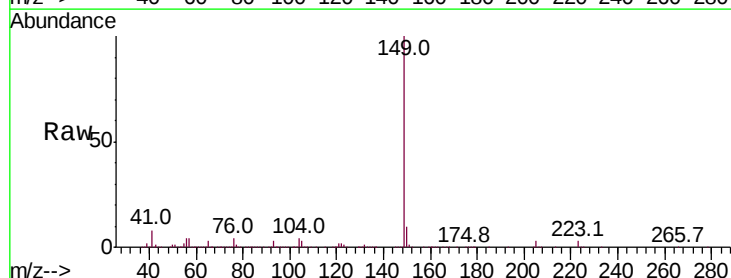


Abundance Ion 167.00 (166.70 to 167.70): E
 1500000
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

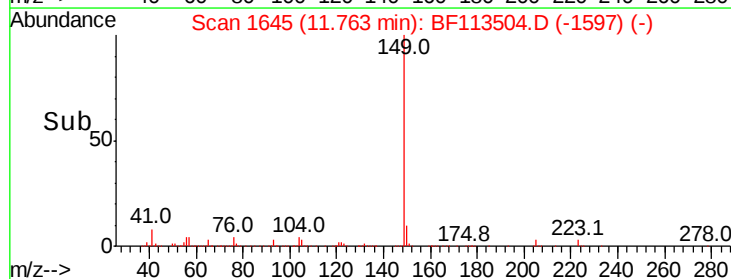
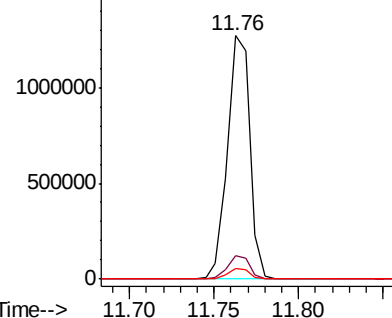


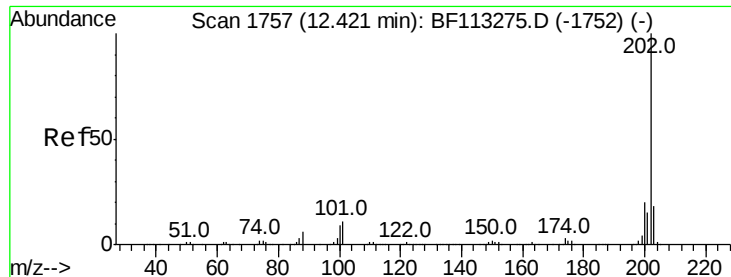
#74
 Di-n-butylphthalate
 Concen: 38.542 ng
 RT: 11.76 min Scan# 1645
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	4.4	3.7	5.5



Abundance Ion 149.00 (148.70 to 149.70): E
 1500000
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 36.437 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

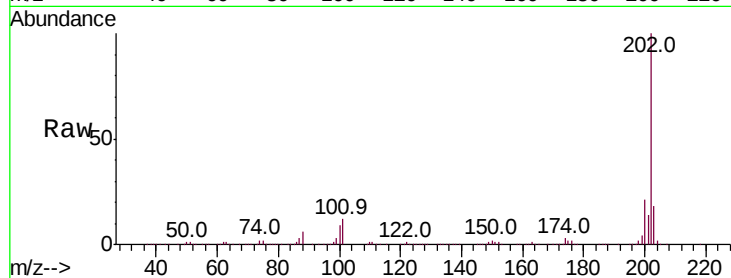
ClientSampleId :

S4B(2-10)MSD

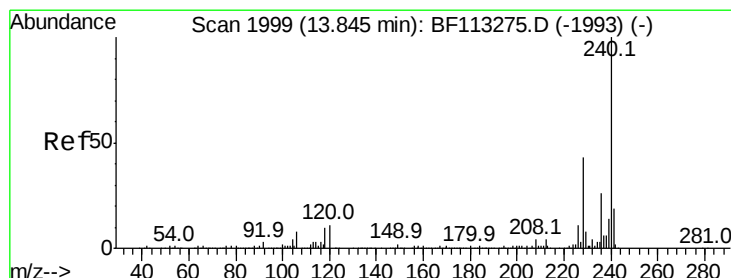
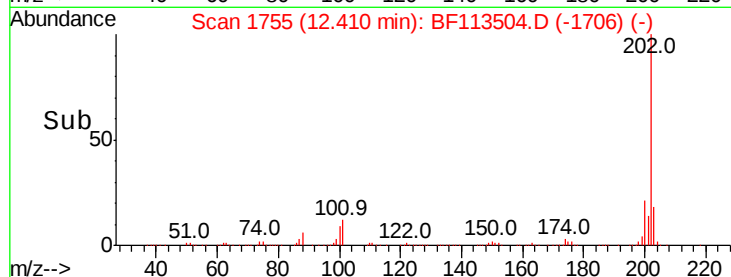
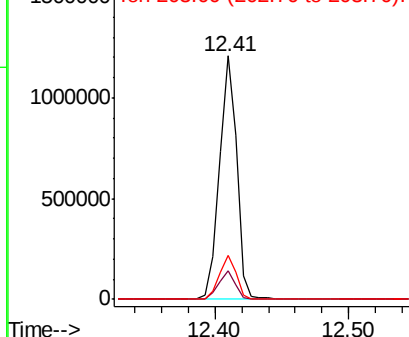
Tot Ion:	202	Resp:	1114164
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.4
203	18.1	0.0	38.0

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

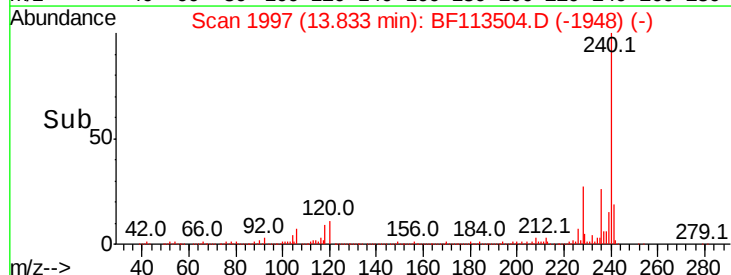
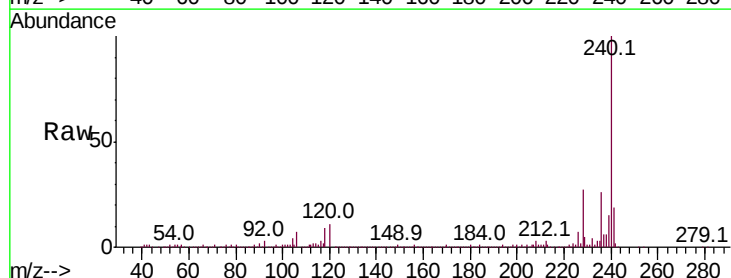
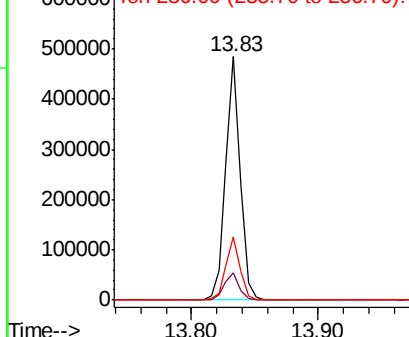
Delta R.T. -0.01 min

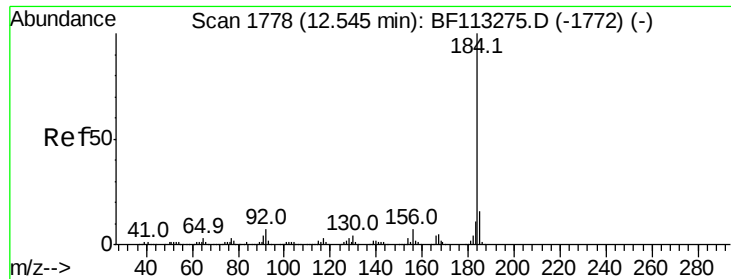
Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Tgt Ion:	240	Resp:	385815
Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.8	13.2
236	25.9	20.9	31.3

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 12.778 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.02 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

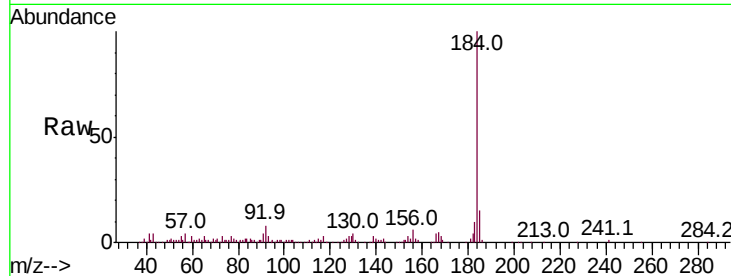
ClientSampleId :

S4B(2-10)MSD

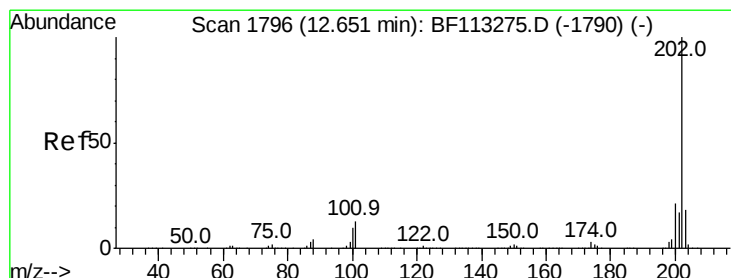
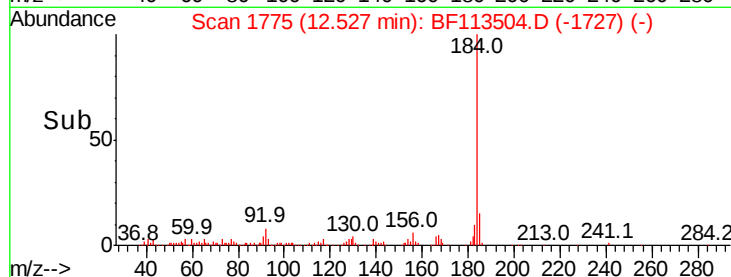
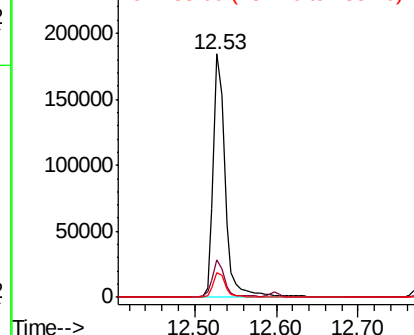
Tot Ion:	184	Resp:	188795
Ion Ratio	Lower	Upper	
184	100		
185	15.4	13.0	19.6
183	10.4	9.0	13.4

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Abundance Ion 184.00 (183.70 to 184.70): E
250000
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 41.291 ng

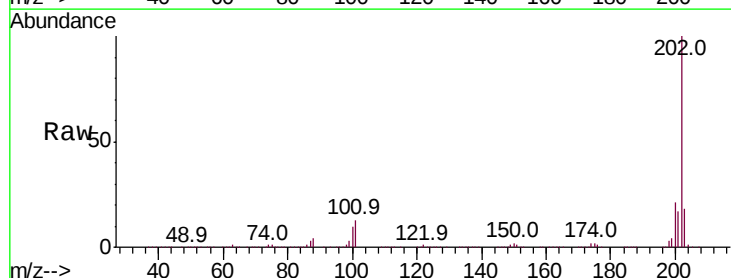
RT: 12.64 min Scan# 1794

Delta R.T. -0.01 min

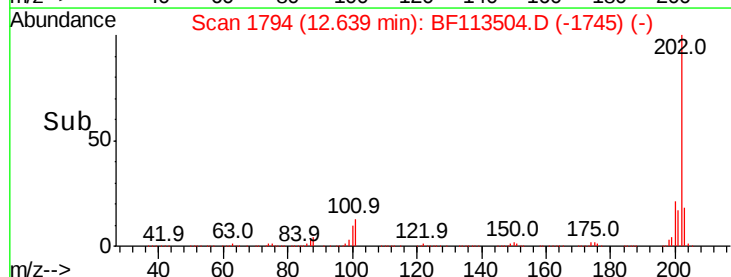
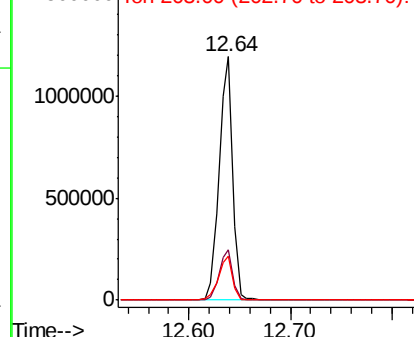
Lab File: BF113504.D

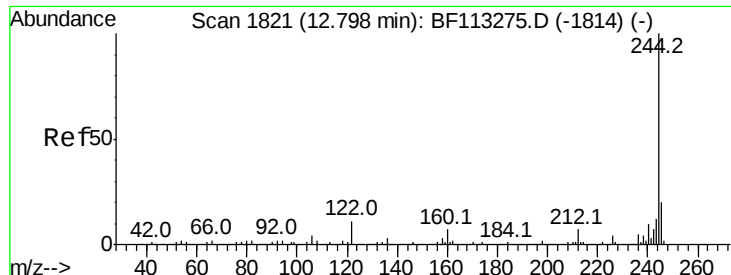
Acq: 2 Apr 2019 14:30

Tgt Ion:	202	Resp:	1103948
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.8	25.2
203	17.8	14.4	21.6



Abundance Ion 202.00 (201.70 to 202.70): E
1500000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





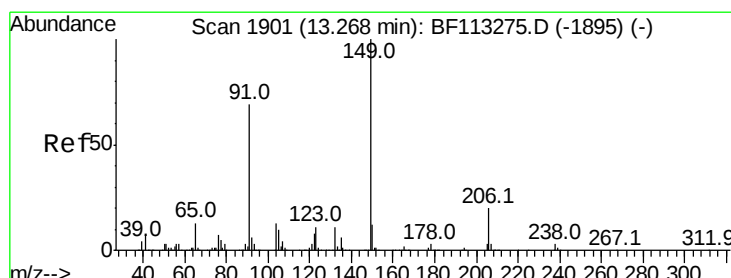
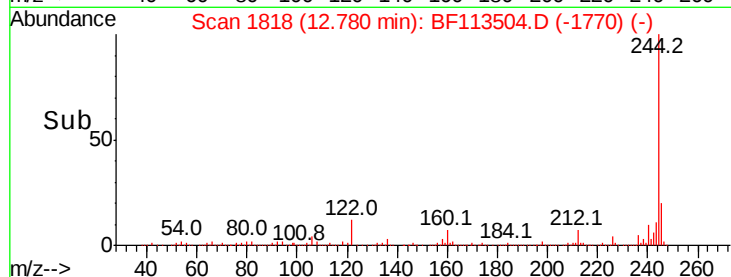
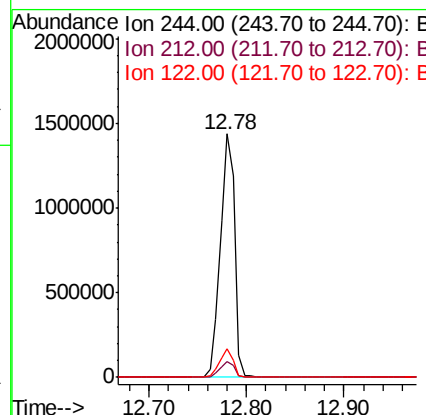
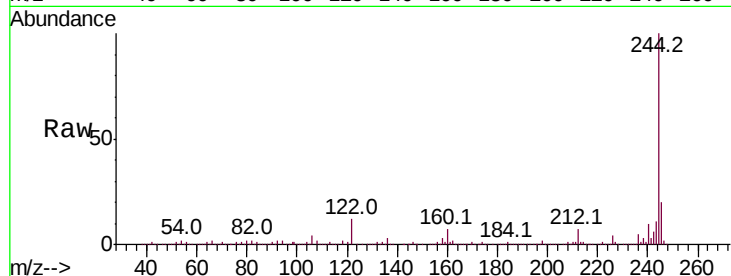
#79
 Terphenyl-d14
 Concen: 83.193 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	11.6	8.6	13.0

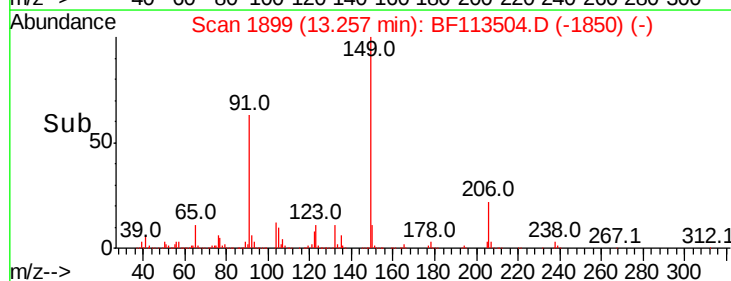
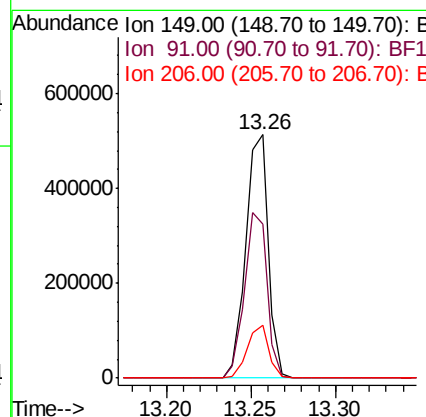
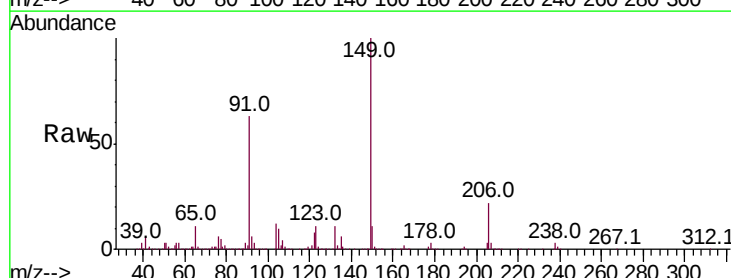
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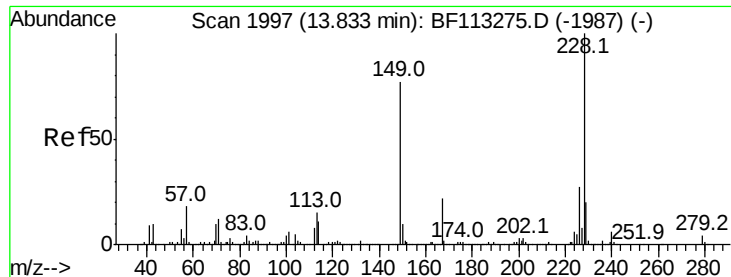
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#80
 Butylbenzylphthalate
 Concen: 40.639 ng
 RT: 13.26 min Scan# 1899
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
149	100		
91	63.4	55.2	82.8
206	21.9	16.1	24.1





#81

Benzo(a)anthracene

Concen: 35.897 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Instrument :

BNA_F

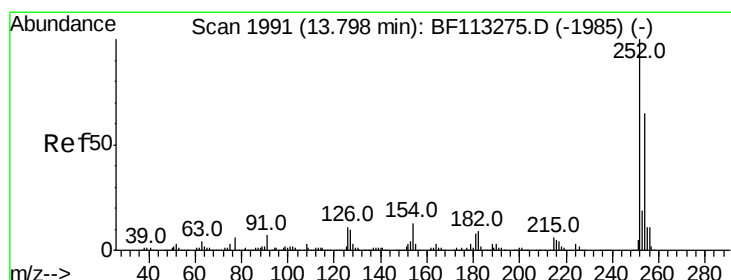
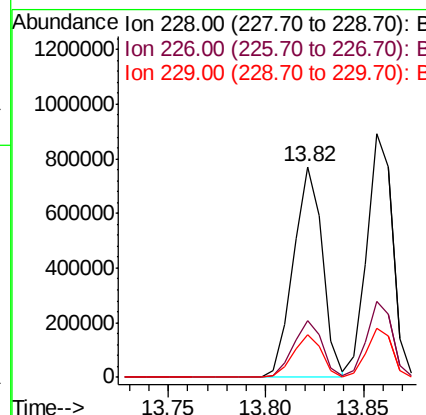
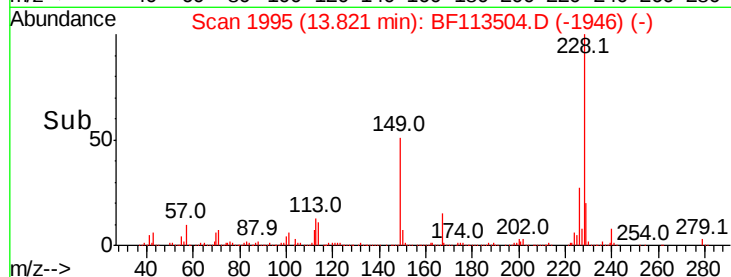
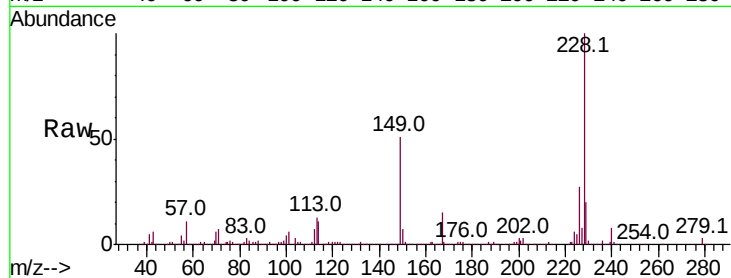
ClientSampleId :

S4B(2-10)MSD

Tot Ion:	228	Resp:	792776
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.8	32.8
229	20.2	16.2	24.4

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#82

3,3'-Dichlorobenzidine

Concen: 17.020 ng

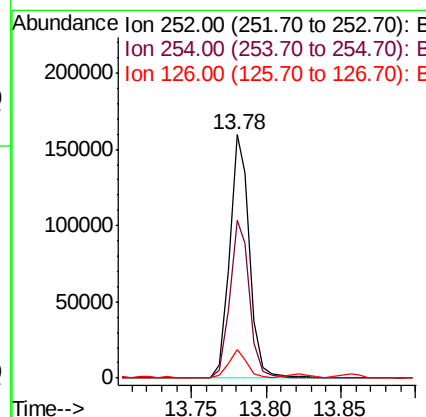
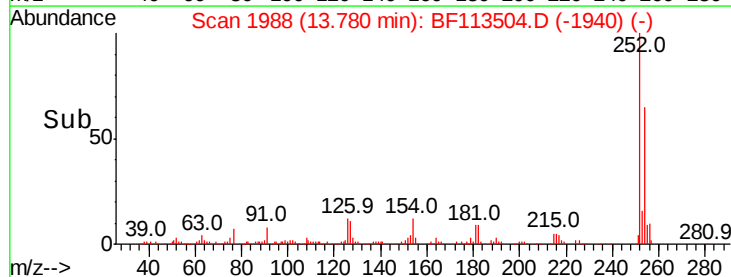
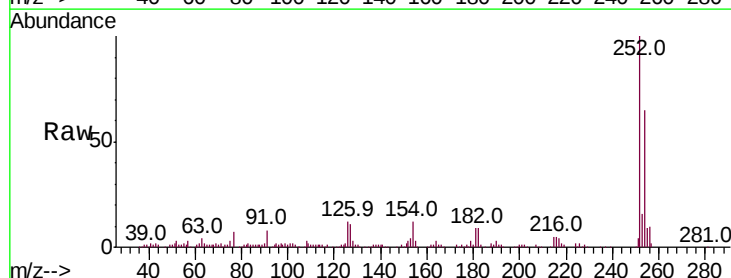
RT: 13.78 min Scan# 1988

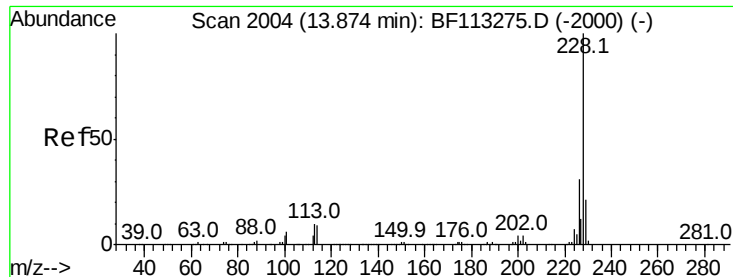
Delta R.T. -0.02 min

Lab File: BF113504.D

Acq: 2 Apr 2019 14:30

Tgt Ion:	252	Resp:	150796
Ion Ratio	Lower	Upper	
252	100		
254	64.9	52.2	78.2
126	11.6	8.5	12.7





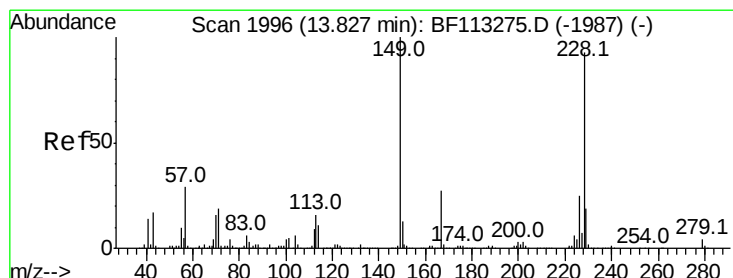
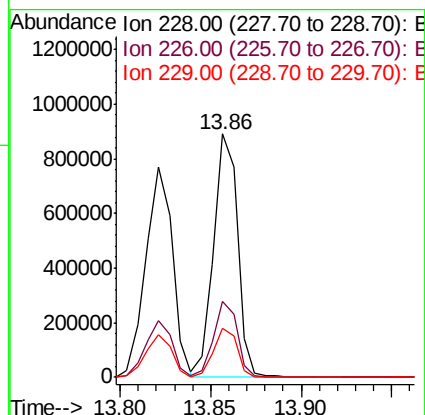
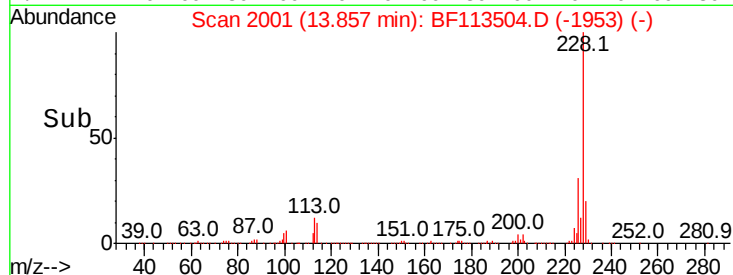
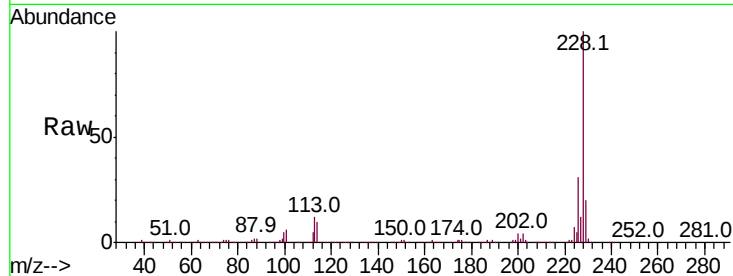
#83
 Chrvsene
 Concen: 36.510 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.02 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Instrument :
 BNA_F
 ClientSampleId :
 S4B(2-10)MSD

Tot Ion:	228	Resp:	818995
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.3	36.5
229	20.2	16.3	24.5

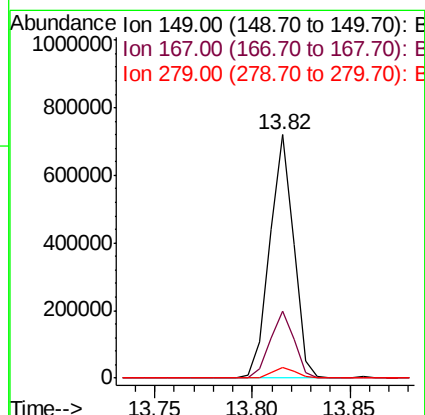
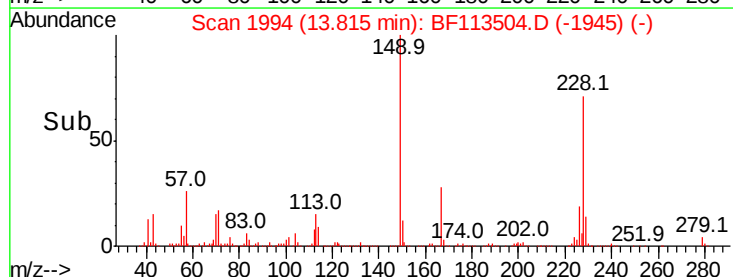
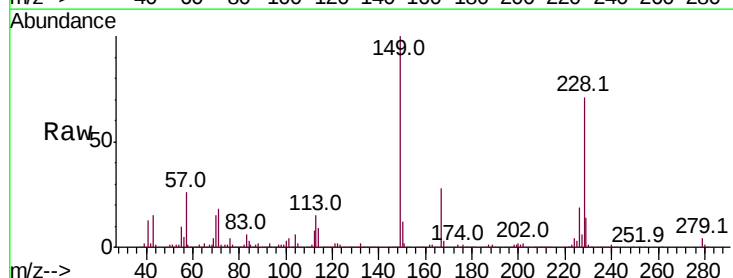
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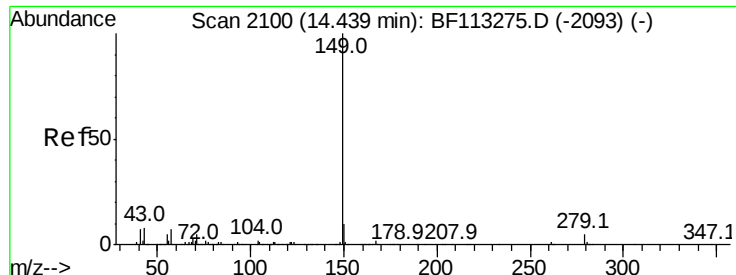
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.244 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF113504.D
 Acq: 2 Apr 2019 14:30

Tgt Ion:	149	Resp:	610191
Ion Ratio	Lower	Upper	
149	100		
167	27.7	21.8	32.8
279	4.1	2.9	4.3





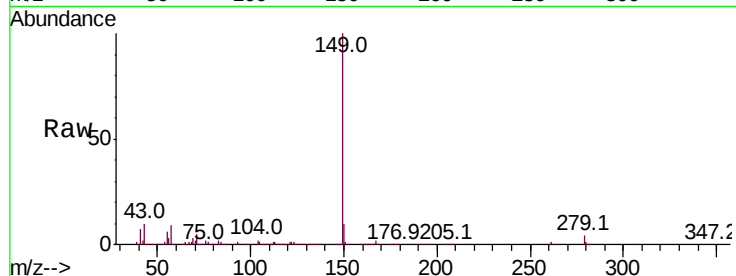
#85
Di-n-octyl phthalate
Concen: 38.790 ng
RT: 14.42 min Scan# 2097
Delta R.T. -0.02 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

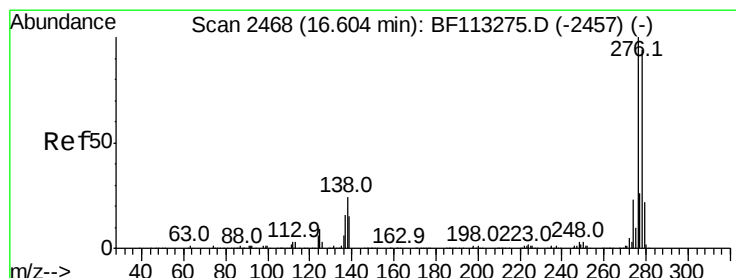
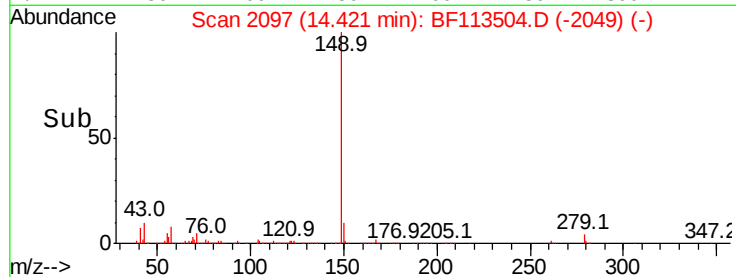
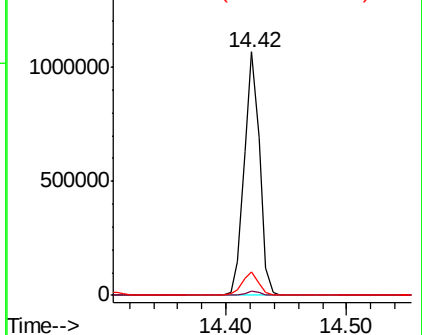
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	9.4	7.7	11.5

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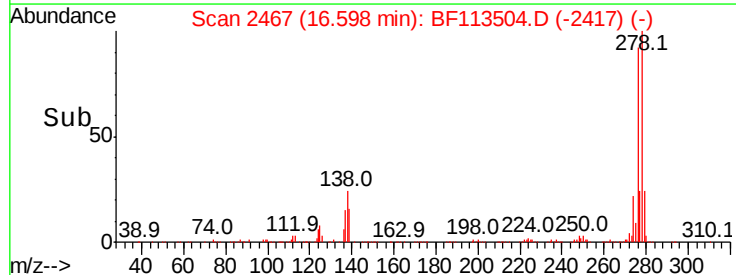
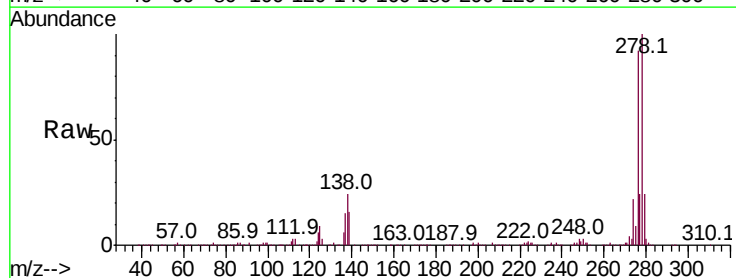
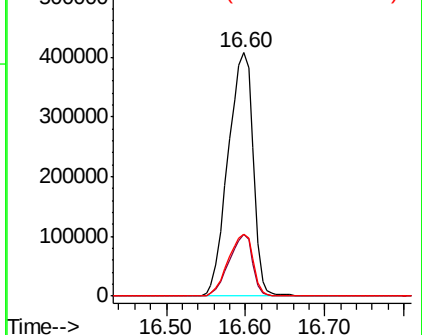
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

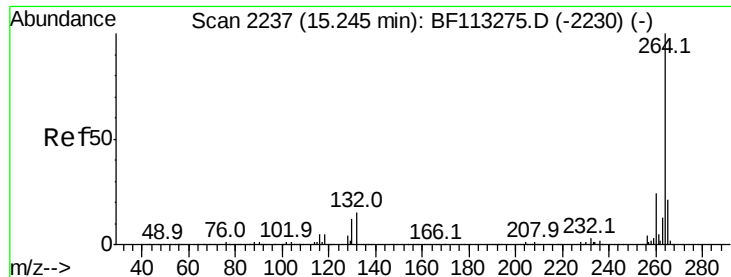


#86
Indeno(1,2,3-cd)pyrene
Concen: 46.485 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.1	27.1
277	25.3	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





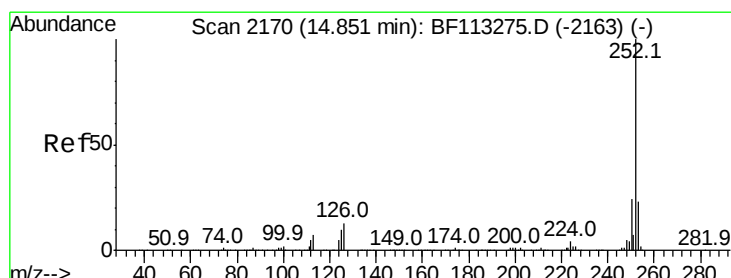
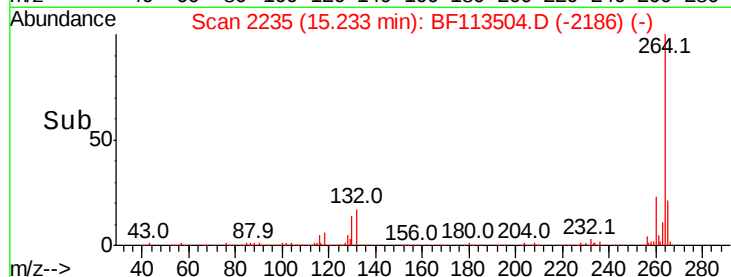
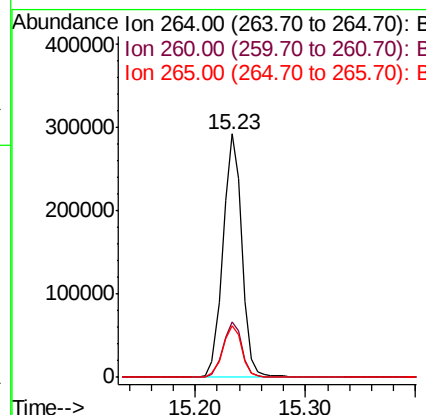
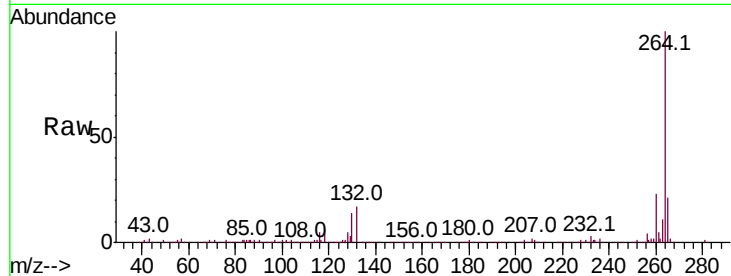
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.1	28.7
265	21.4	17.1	25.7

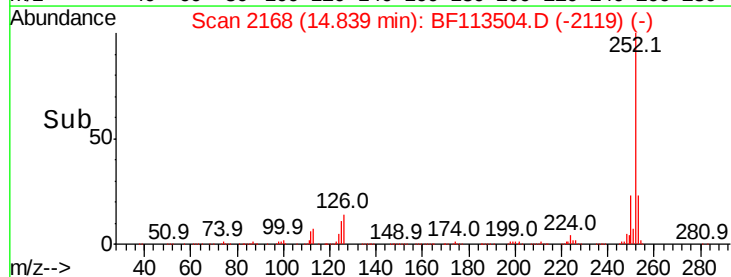
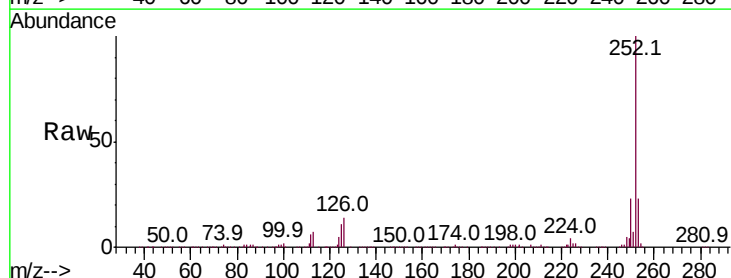
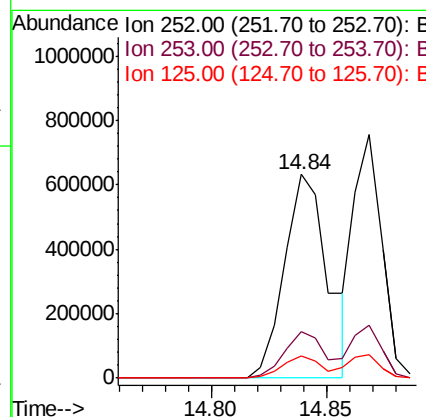
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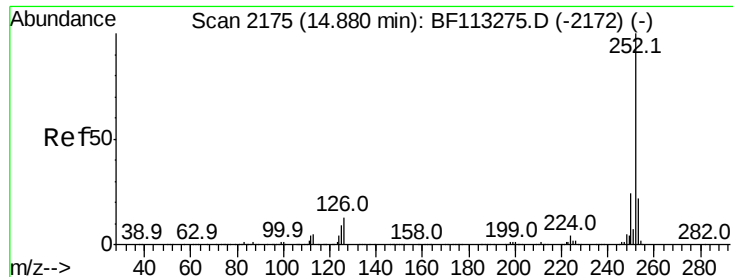
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#88
Benzo(b)fluoranthene
Concen: 37.971 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	10.7	7.6	11.4





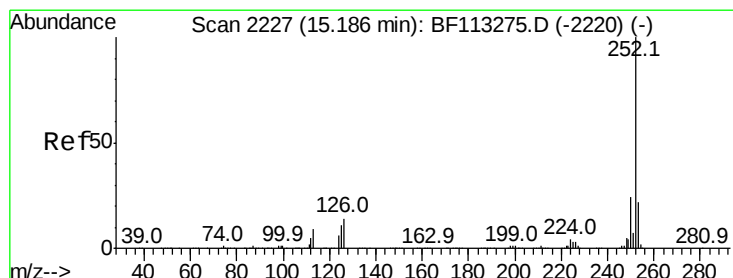
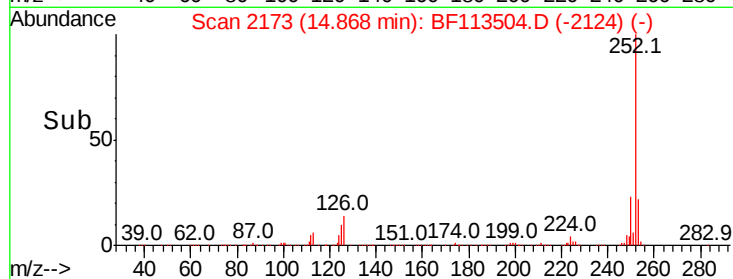
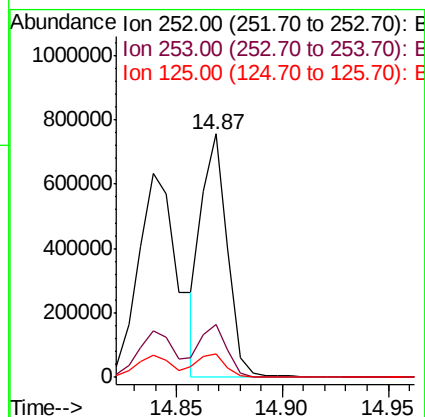
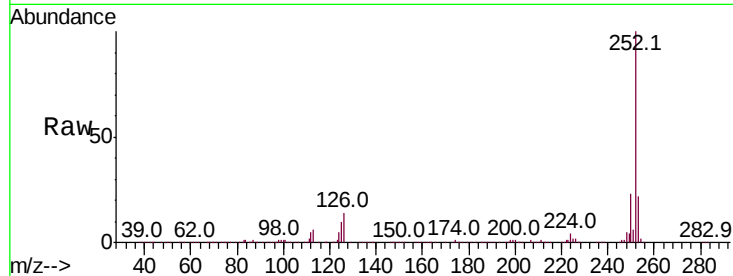
#89
Benzo(k)fluoranthene
Concen: 33.646 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.6	7.3	10.9

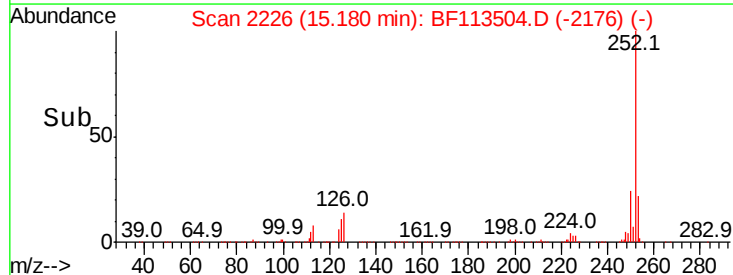
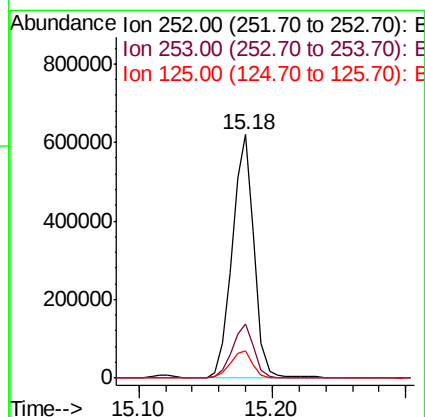
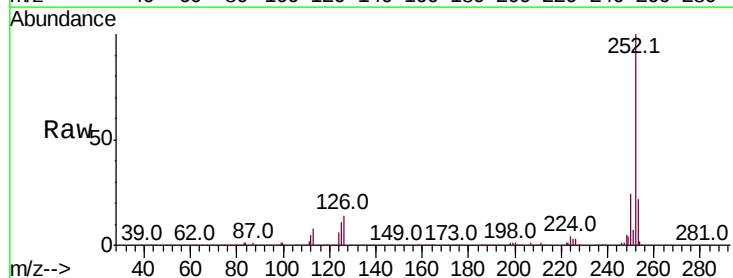
Manual Integrations
APPROVED

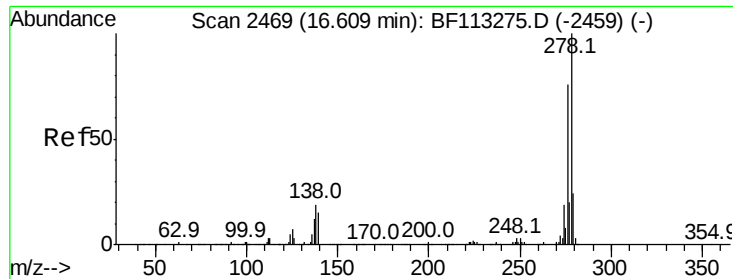
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#90
Benzo(a)pyrene
Concen: 36.805 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	11.0	8.8	13.2





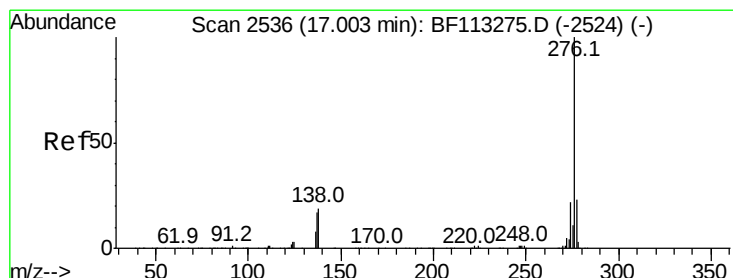
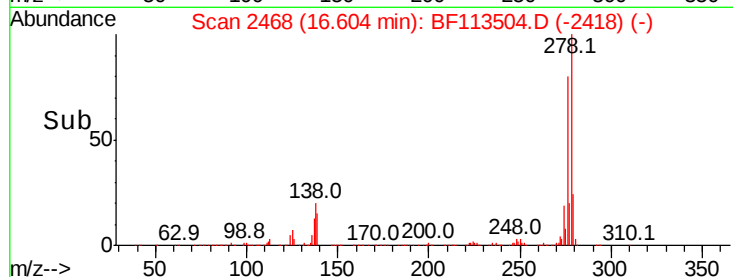
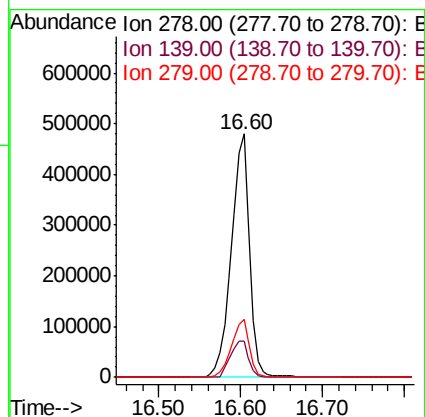
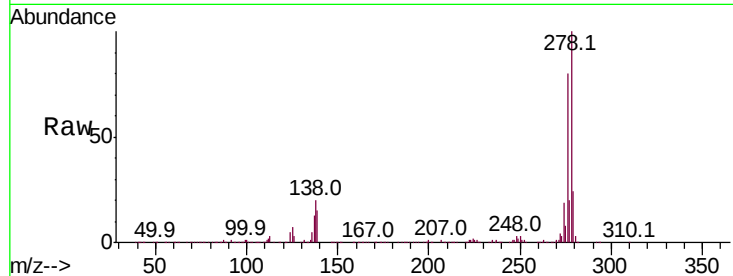
#91
Dibenzo(a,h)anthracene
Concen: 45.034 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Instrument :
BNA_F
ClientSampleId :
S4B(2-10)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.7	12.0	18.0
279	23.7	19.0	28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 47.170 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF113504.D
Acq: 2 Apr 2019 14:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	19.9	15.6	23.4

