

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
 Data File : BF114704.D
 Acq On : 31 May 2019 13:25
 Operator : HP/JU
 Sample : K2971-15MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MSD

Manual Integrations
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mohammad
 6/3/2019 8:49:24 AM

Quant Time: Jun 01 00:47:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	306806	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1180512	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	590780	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	1179707	20.00	ng	0.00
76) Chrysene-d12	13.83	240	757781	20.00	ng	0.01
87) Perylene-d12	15.23	264	836575	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	2176854	124.57	ng	0.02
7) Phenol-d6	6.34	99	2711103	128.75	ng	0.01
23) Nitrobenzene-d5	7.26	82	1673666	88.45	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	776795	137.99	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2947991	95.76	ng	0.00
79) Terphenyl-d14	12.78	244	3370451	83.63	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.38	88	298096	35.547 ng	97
3) Pyridine	3.07	79	817677	33.504 ng	98
4) n-Nitrosodimethylamine	3.00	42	362284	36.682 ng	93
6) Aniline	6.36	93	350156	11.009 ng	# 74
8) 2-Chlorophenol	6.49	128	870697	43.145 ng	97
9) Benzaldehyde	6.24	77	450951	37.606 ng	95
10) Phenol	6.35	94	998701	39.260 ng	95
11) bis(2-Chloroethyl)ether	6.44	93	788256	40.511 ng	94
12) 1,3-Dichlorobenzene	6.64	146	925743	40.263 ng	99
13) 1,4-Dichlorobenzene	6.72	146	939929	40.750 ng	99
14) 1,2-Dichlorobenzene	6.87	146	883312	42.063 ng	100
15) Benzyl Alcohol	6.84	79	710990	42.924 ng	99
16) 2,2'-oxybis(1-Chloropropan	6.98	45	1098449	36.807 ng	99
17) 2-Methylphenol	6.96	107	710956	41.652 ng	99
18) Hexachloroethane	7.21	117	341525	39.107 ng	97
19) n-Nitroso-di-n-propylamine	7.12	70	557396	38.348 ng	99
20) 3+4-Methylphenols	7.11	107	826017	41.146 ng	91
22) Acetophenone	7.10	105	1116686	44.396 ng	# 98
24) Nitrobenzene	7.27	77	866172	43.093 ng	96
25) Isophorone	7.52	82	1572578	41.412 ng	98
26) 2-Nitrophenol	7.59	139	468873	47.923 ng	99
27) 2,4-Dimethylphenol	7.64	122	748103	45.975 ng	98
28) bis(2-Chloroethoxy)methane	7.73	93	997911	41.282 ng	100
29) 2,4-Dichlorophenol	7.83	162	748660	45.202 ng	98
30) 1,2,4-Trichlorobenzene	7.92	180	816399	43.265 ng	99
31) Naphthalene	8.00	128	2391410	43.979 ng	99
32) Benzoic acid	7.69	122	36002m	3.406 ng	
33) 4-Chloroaniline	8.04	127	175583	6.778 ng	98
34) Hexachlorobutadiene	8.13	225	438728	41.853 ng	98
35) Caprolactam	8.41	113	235019m	42.048 ng	
36) 4-Chloro-3-methylphenol	8.53	107	768993	46.298 ng	99
37) 2-Methylnaphthalene	8.69	142	1669922	46.221 ng	99
38) 1-Methylnaphthalene	8.79	142	1567040	45.779 ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	702934	44.679 ng	99

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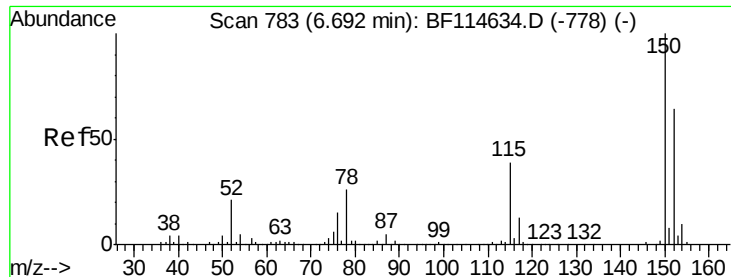
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	786980	75.696	nq	100
43) 2,4,6-Trichlorophenol	8.97	196	532189	42.990	nq	98
44) 2,4,5-Trichlorophenol	9.00	196	562821	45.561	nq	99
46) 1,1'-Biphenyl	9.15	154	1934058	44.102	nq	99
47) 2-Chloronaphthalene	9.17	162	1575510	43.797	nq	99
48) 2-Nitroaniline	9.26	65	468495	42.202	nq	98
49) Acenaphthylene	9.59	152	2448377	44.056	nq	99
50) Dimethylphthalate	9.46	163	2108790	51.226	nq	100
51) 2,6-Dinitrotoluene	9.51	165	441286	46.133	nq	99
52) Acenaphthene	9.76	154	1533861	45.004	nq	100
53) 3-Nitroaniline	9.67	138	177119	15.129	nq	96
54) 2,4-Dinitrophenol	9.77	184	197476	52.338	nq	# 87
55) Dibenzofuran	9.93	168	2142679	44.165	nq	100
56) 4-Nitrophenol	9.84	139	739804	85.273	nq	94
57) 2,4-Dinitrotoluene	9.91	165	600134	48.885	nq	91
58) Fluorene	10.27	166	1518296	48.226	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.05	232	451736	44.676	nq	99
60) Diethylphthalate	10.15	149	1854864	44.116	nq	99
61) 4-Chlorophenyl-phenylether	10.26	204	754464	47.251	nq	100
62) 4-Nitroaniline	10.29	138	470530	41.245	nq	94
63) Azobenzene	10.42	77	1651656	42.787	nq	99
65) 4,6-Dinitro-2-methylphenol	10.32	198	175516	33.553	nq	83
66) n-Nitrosodiphenylamine	10.38	169	1538086	44.128	nq	100
67) 4-Bromophenyl-phenylether	10.75	248	531051	41.978	nq	97
68) Hexachlorobenzene	10.82	284	578691	42.233	nq	92
69) Atrazine	10.91	200	525279	49.985	nq	99
70) Pentachlorophenol	11.01	266	536709	67.949	nq	98
71) Phenanthrene	11.22	178	2556868	42.488	nq	99
72) Anthracene	11.27	178	2567623	42.157	nq	99
73) Carbazole	11.43	167	2346525	43.837	nq	100
74) Di-n-butylphthalate	11.77	149	2763378	42.071	nq	98
75) Fluoranthene	12.40	202	2706719	43.437	nq	99
77) Benzidine	12.52	184	420775	13.485	nq	# 89
78) Pyrene	12.63	202	2717395	42.391	nq	99
80) Butylbenzylphthalate	13.26	149	1330645	41.304	nq	99
81) Benzo(a)anthracene	13.82	228	2338526	40.158	nq	99
82) 3,3'-Dichlorobenzidine	13.78	252	316578	14.077	nq	# 96
83) Chrysene	13.85	228	2325255	41.794	nq	98
84) Bis(2-ethylhexyl)phthalate	13.83	149	1677223	42.112	nq	99
85) Di-n-octyl phthalate	14.45	149	2911801	42.079	nq	97
86) Indeno(1,2,3-cd)pyrene	16.57	276	2342092	42.031	nq	99
88) Benzo(b)fluoranthene	14.84	252	2173474	41.250	nq	100
89) Benzo(k)fluoranthene	14.87	252	2069945	45.198	nq	99
90) Benzo(a)pyrene	15.18	252	2041525	44.105	nq	98
91) Dibenzo(a,h)anthracene	16.59	278	1912102	46.747	nq	98
92) Benzo(g,h,i)perylene	16.97	276	2011067	50.658	nq	97

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



#1

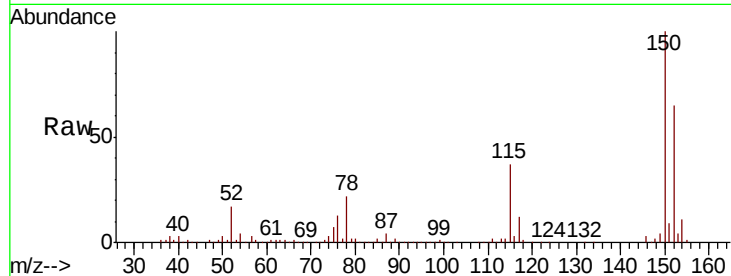
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
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SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.4	186.6
115	57.6	48.7	73.1

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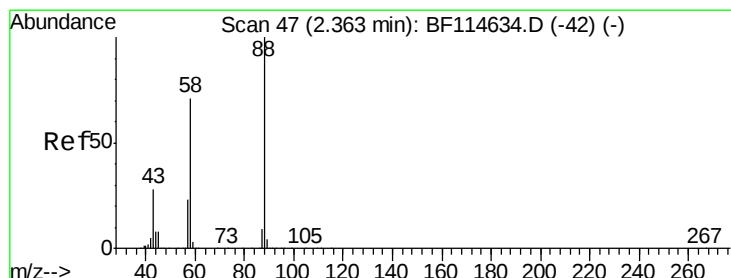
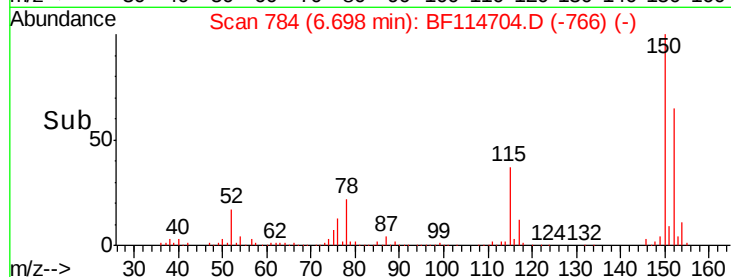
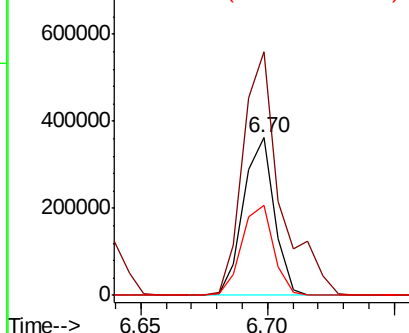


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

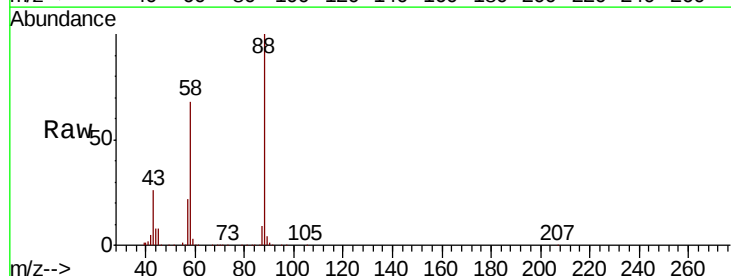
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 35.547 ng
RT: 2.38 min Scan# 50
Delta R.T. 0.02 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.3	57.2	85.8
43	26.2	22.6	33.8

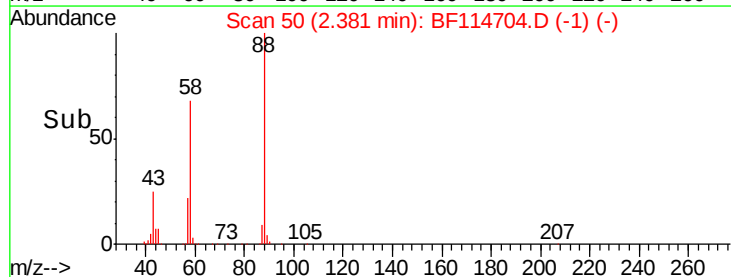
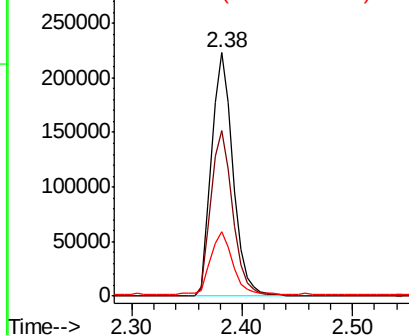


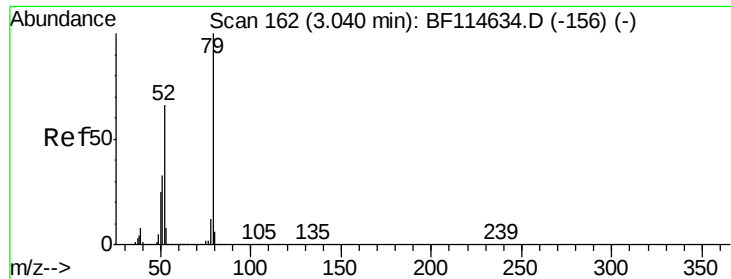
Abundance

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: 33.504 ng

RT: 3.07 min Scan# 167

Delta R.T. 0.03 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

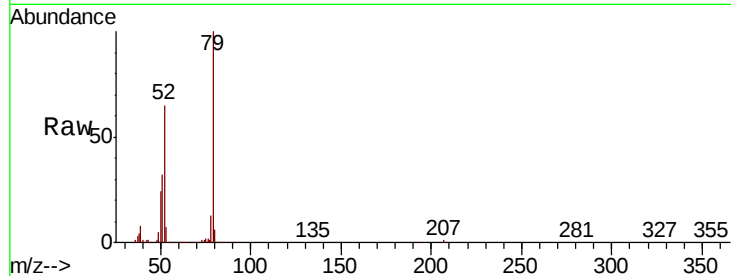
ClientSampleId :

SUP-2A-C-4-052019MSD

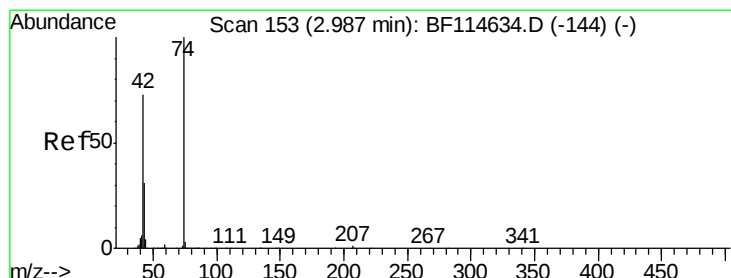
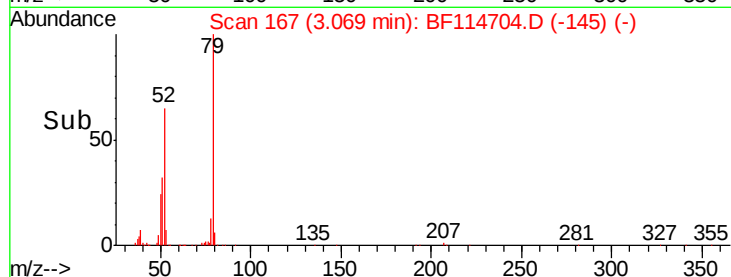
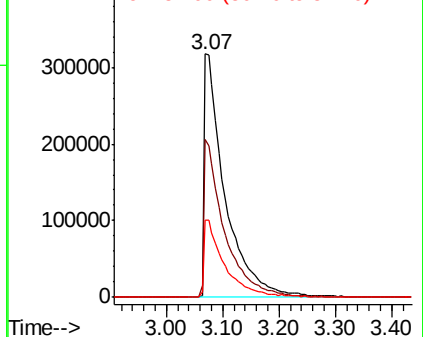
Tot Ion:	79	Resp:	817677
Ion Ratio	Lower	Upper	
79	100		
52	64.8	52.8	79.2
51	31.8	26.3	39.5

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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: 36.682 ng

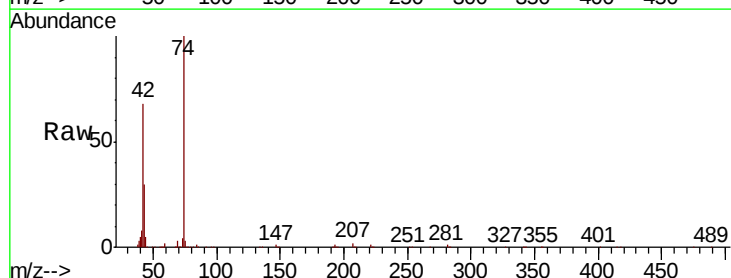
RT: 3.00 min Scan# 156

Delta R.T. 0.02 min

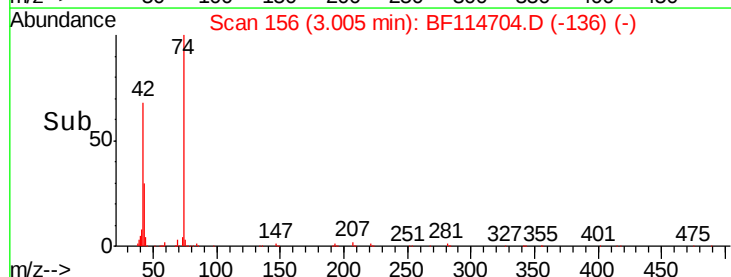
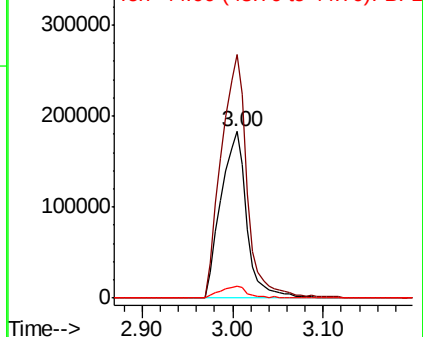
Lab File: BF114704.D

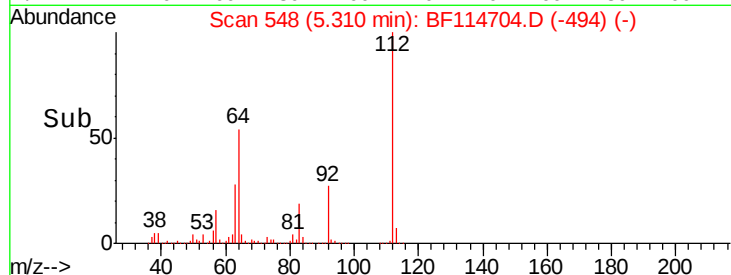
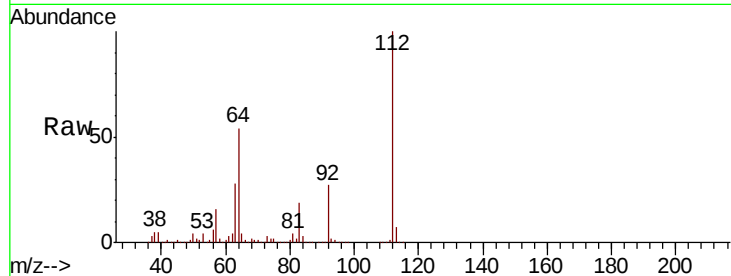
Acq: 31 May 2019 13:25

Tgt Ion:	42	Resp:	362284
Ion Ratio	Lower	Upper	
42	100		
74	146.0	110.0	165.0
44	6.8	5.6	8.4



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: 124.571 ng

RT: 5.31 min Scan# 548

Delta R.T. 0.02 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tot Ion:	112	Resp:	2176854
Ion	Ratio	Lower	Upper
112	100		
64	54.1	46.1	69.1
63	28.3	23.4	35.2

Instrument :

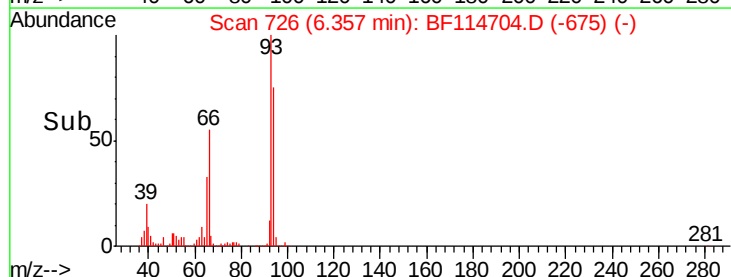
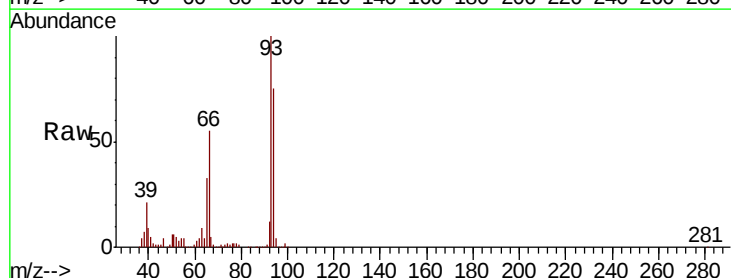
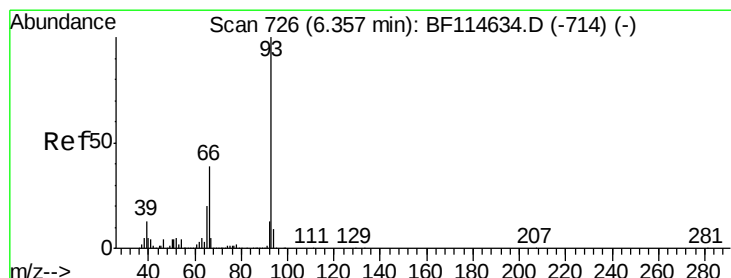
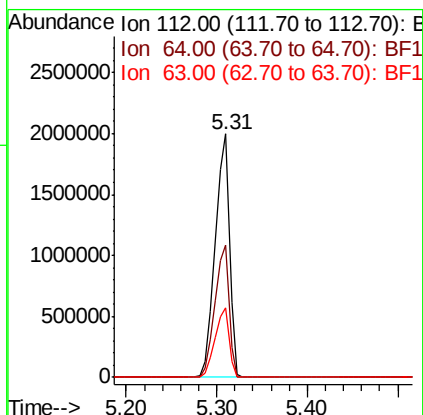
BNA_F

ClientSampleId :

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#6

Aniline

Concen: 11.009 ng

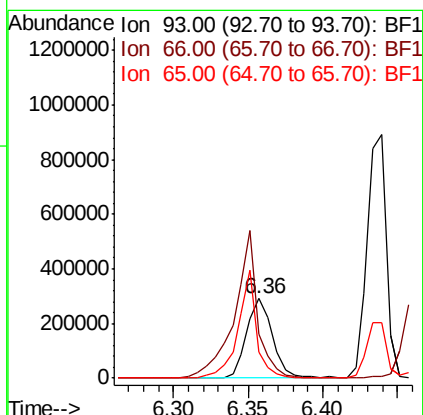
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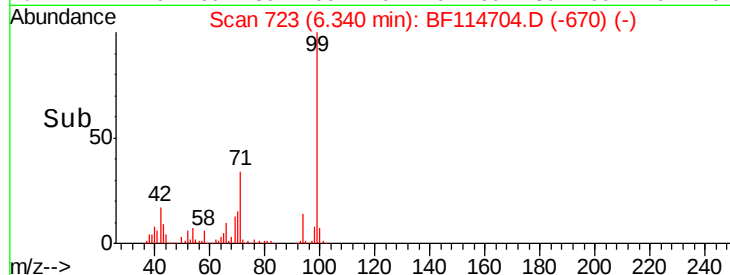
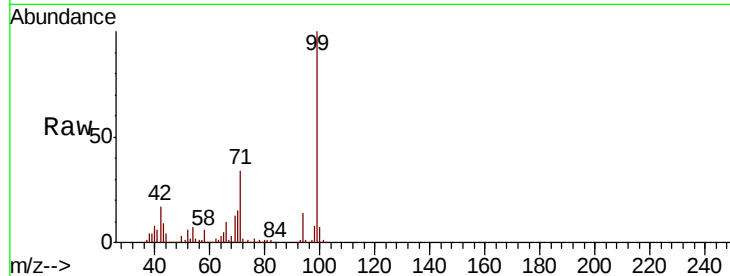
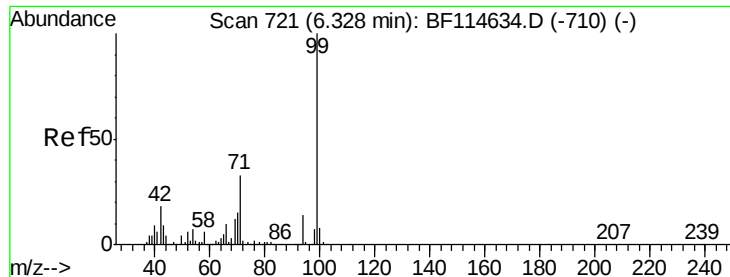
Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tgt Ion:	93	Resp:	350156
Ion	Ratio	Lower	Upper
93	100		
66	54.8	31.4	47.2#
65	32.7	16.2	24.2#





#7

Phenol-d6

Concen: 128.746 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tot Ion: 99 Resp: 2711103

Ion Ratio Lower Upper

99 100

42 17.2 14.7 22.1

71 33.8 26.6 40.0

Instrument :

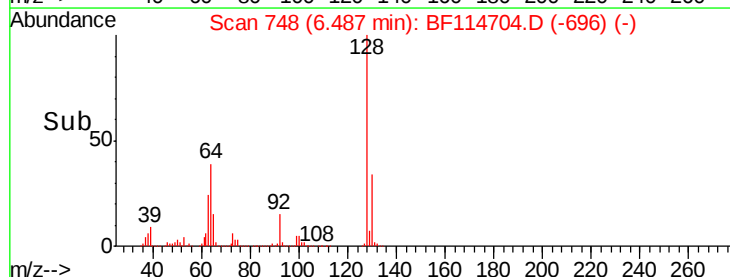
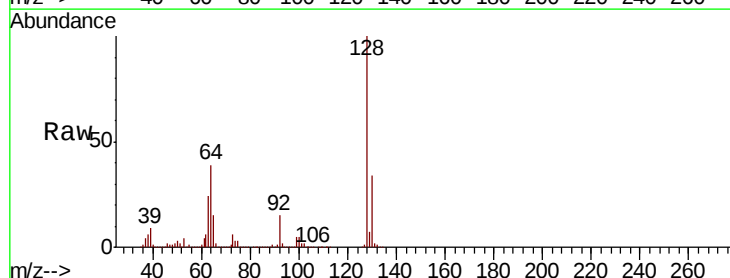
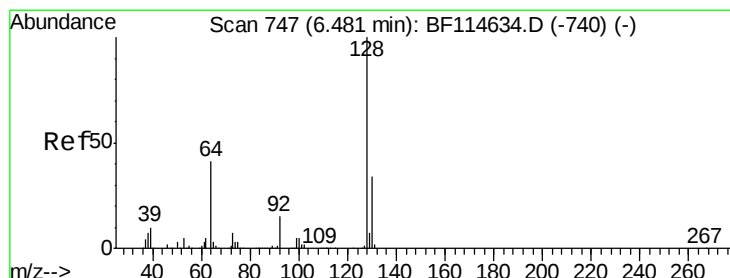
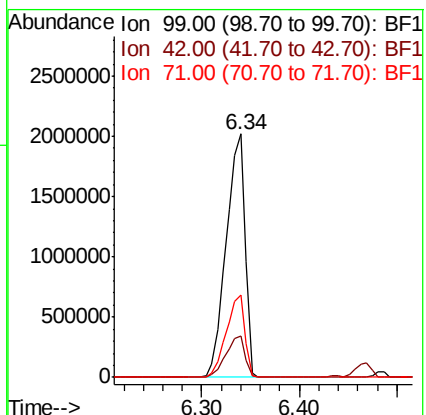
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#8

2-Chlorophenol

Concen: 43.145 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

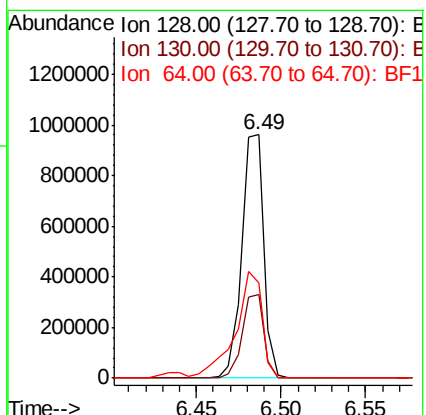
Tgt Ion: 128 Resp: 870697

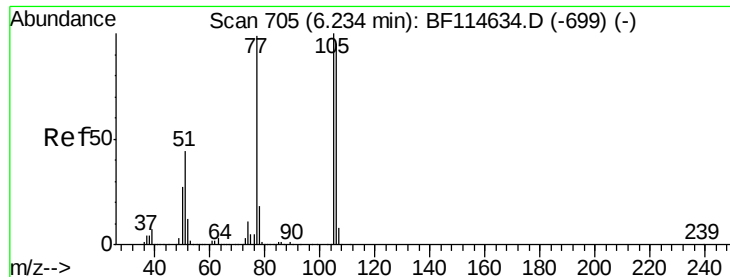
Ion Ratio Lower Upper

128 100

130 34.2 13.9 53.9

64 39.1 22.0 62.0





#9

Benzaldehyde

Concen: 37.606 ng

RT: 6.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

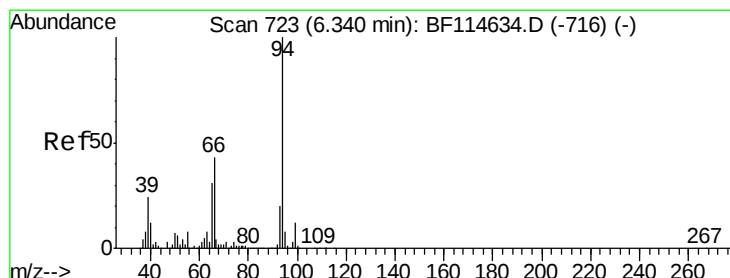
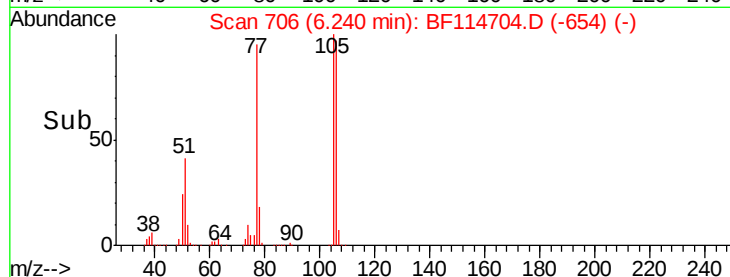
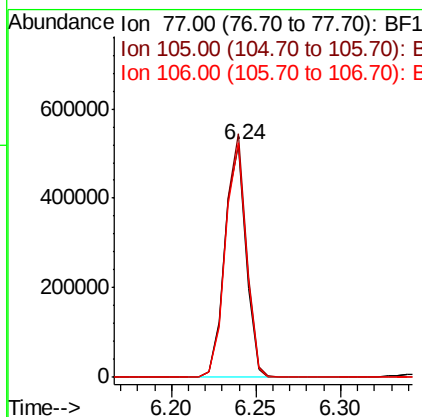
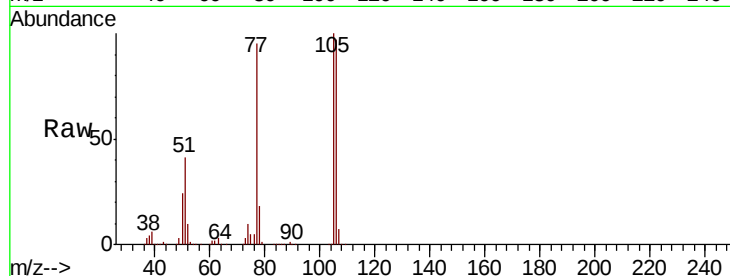
ClientSampleId :

SUP-2A-C-4-052019MSD

Tot Ion:	77	Resp:	450951
Ion Ratio	Lower	Upper	
77	100		
105	104.8	80.8	120.8
106	101.2	76.2	116.2

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#10

Phenol

Concen: 39.260 ng

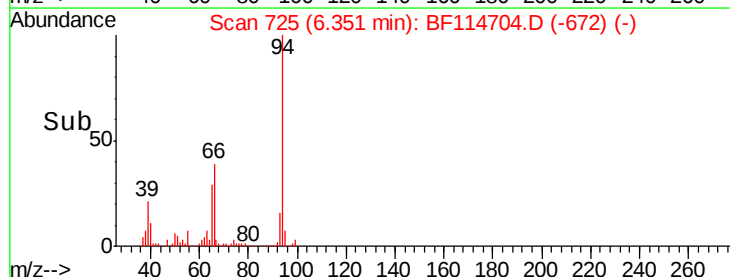
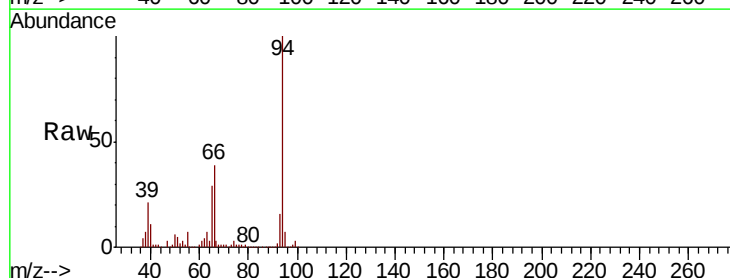
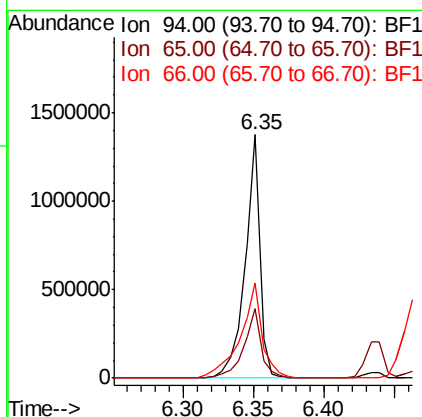
RT: 6.35 min Scan# 725

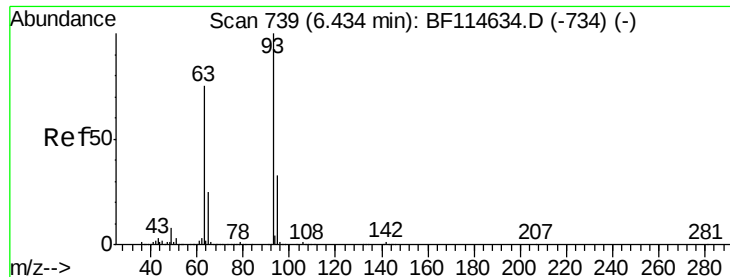
Delta R.T. 0.01 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tgt Ion:	94	Resp:	998701
Ion Ratio	Lower	Upper	
94	100		
65	28.8	11.0	51.0
66	39.3	23.0	63.0





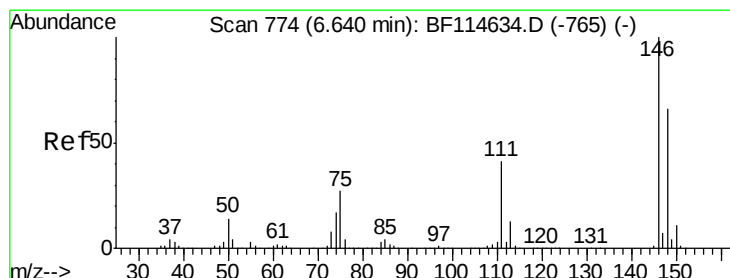
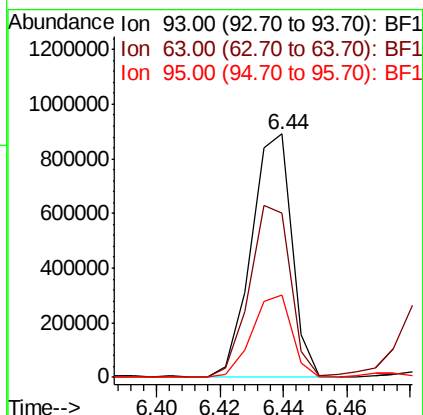
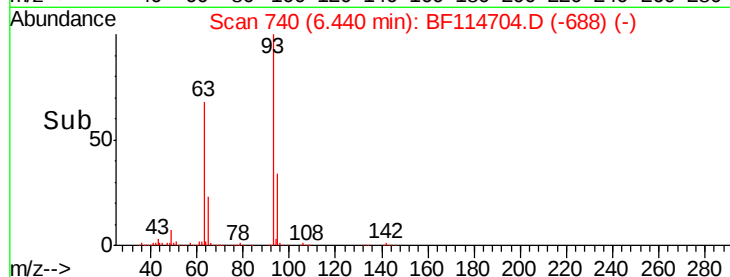
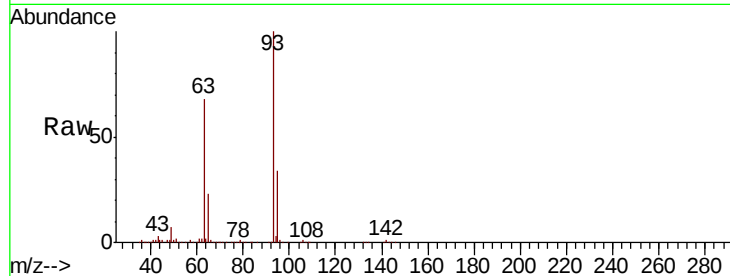
#11
bis(2-Chloroethyl)ether
Concen: 40.511 ng
RT: 6.44 min Scan# 740
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion:	93	Resp:	788256
Ion Ratio	Lower	Upper	
93	100		
63	67.7	55.0	95.0
95	33.6	13.5	53.5

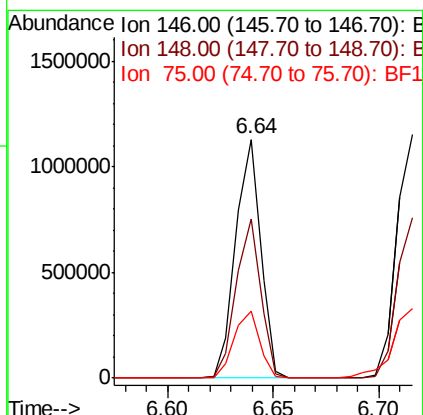
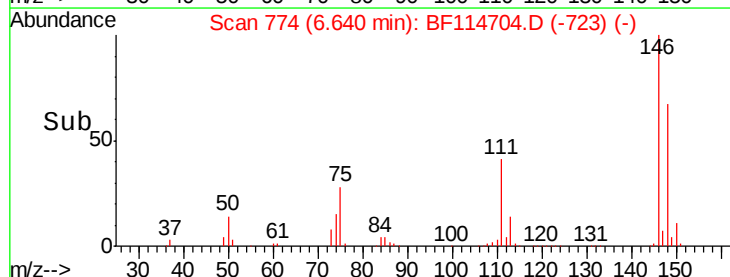
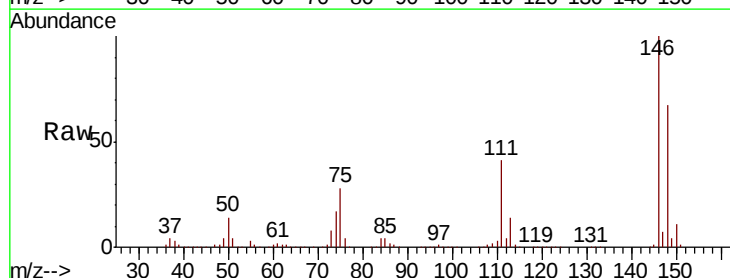
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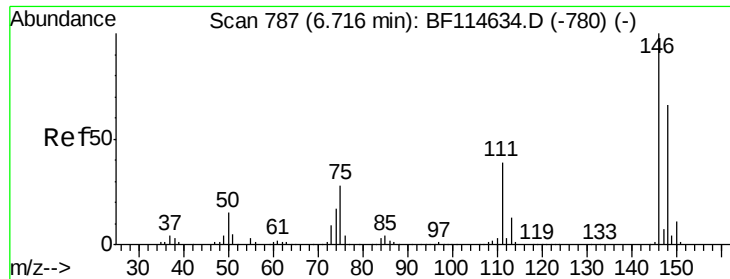
mohammad
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#12
1,3-Dichlorobenzene
Concen: 40.263 ng
RT: 6.64 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion:	146	Resp:	925743
Ion Ratio	Lower	Upper	
146	100		
148	66.5	52.9	79.3
75	28.3	22.0	33.0





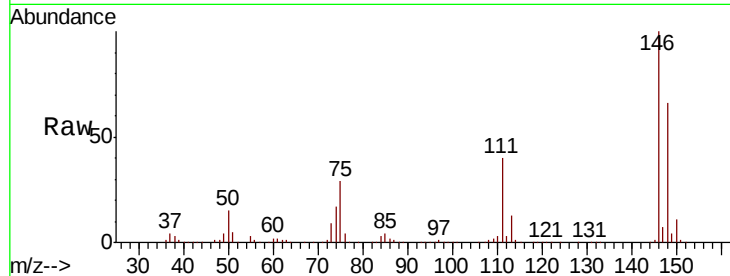
#13
 1,4-Dichlorobenzene
 Concen: 40.750 ng
 RT: 6.72 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		939929		
148	65.8	52.5		78.7	
111	39.9	31.4		47.2	

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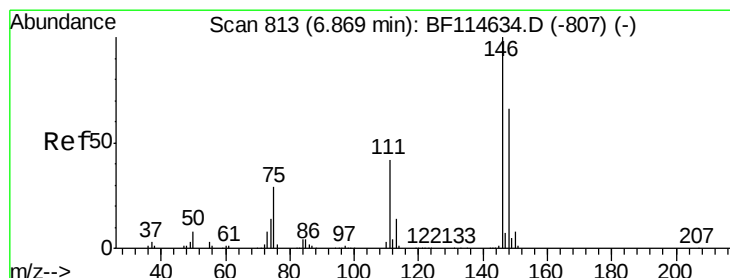
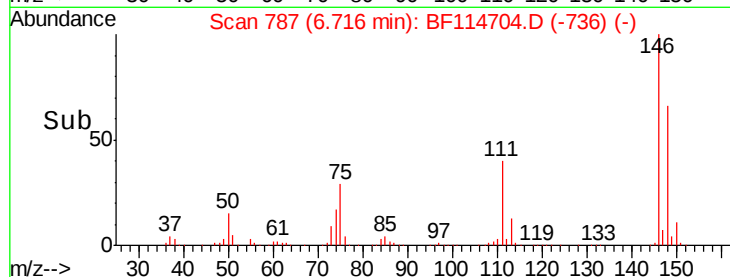
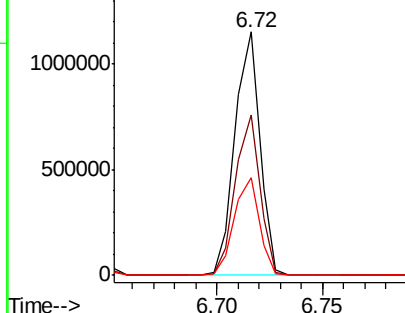


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 42.063 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

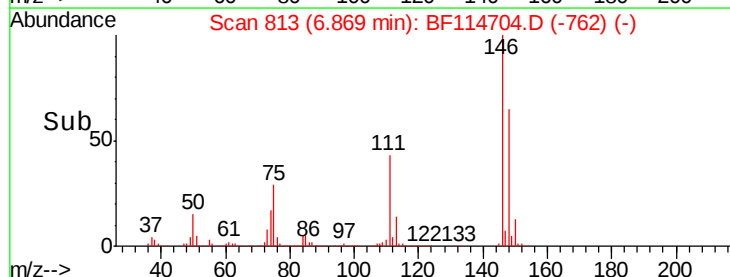
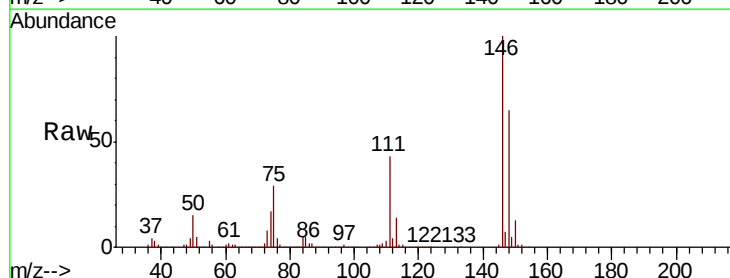
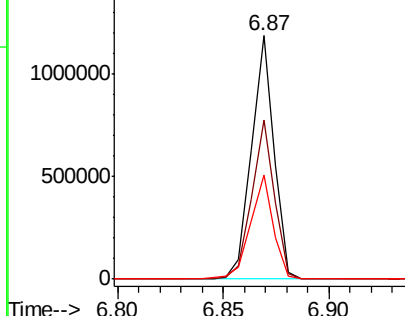
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		883312		
148	65.3	52.6		79.0	
111	42.5	34.1		51.1	

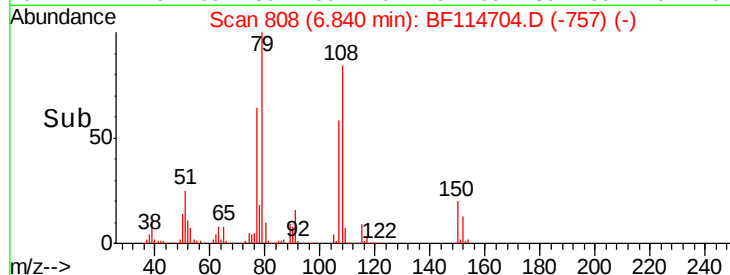
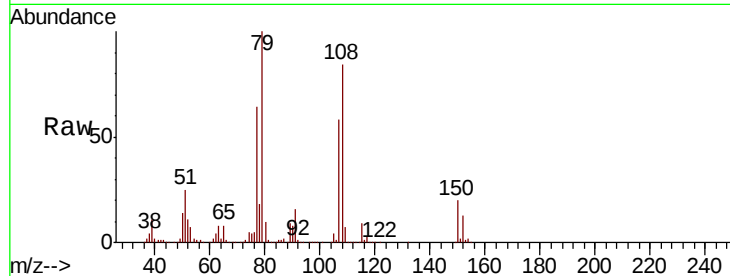
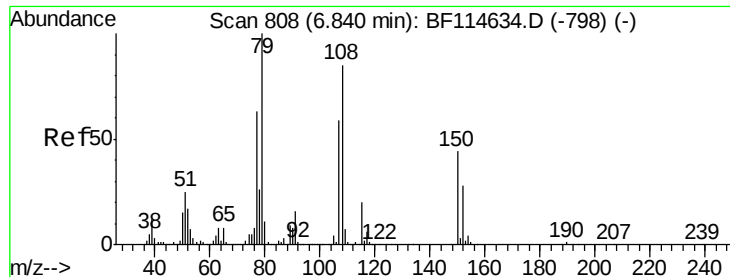
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 42.924 ng

RT: 6.84 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tot Ion:	79	Resp:	710990
Ion	Ratio	Lower	Upper
79	100		
108	83.6	67.8	101.8
77	63.8	50.7	76.1

Instrument :

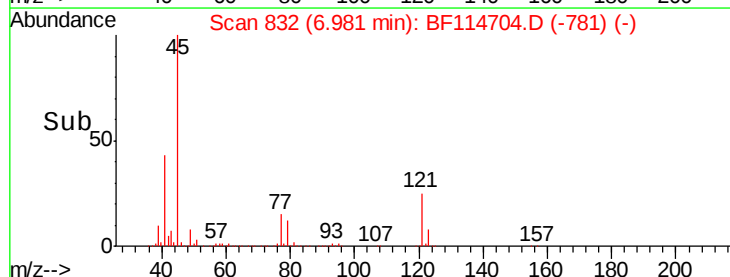
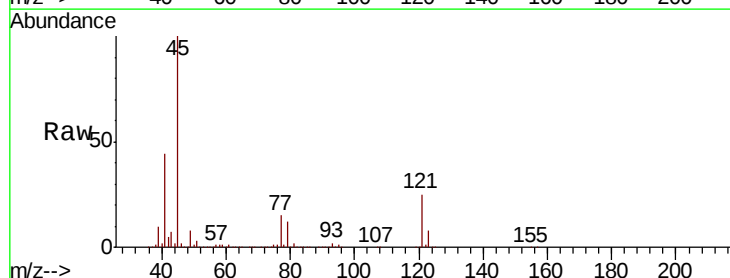
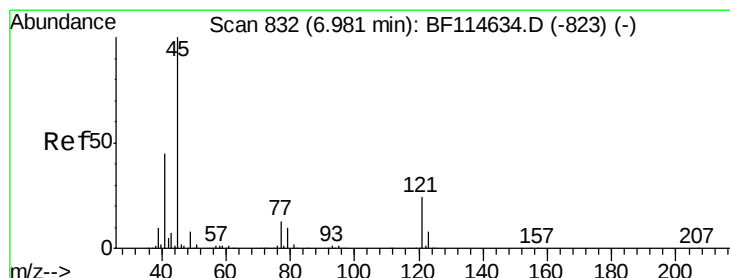
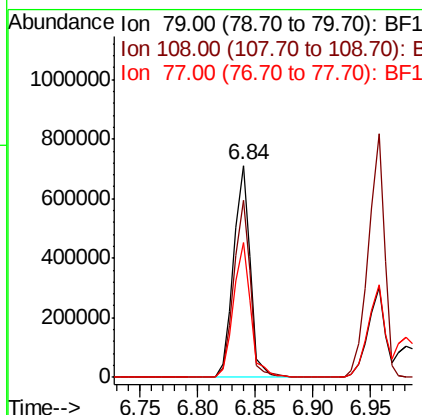
BNA_F

ClientSampleId :

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.807 ng

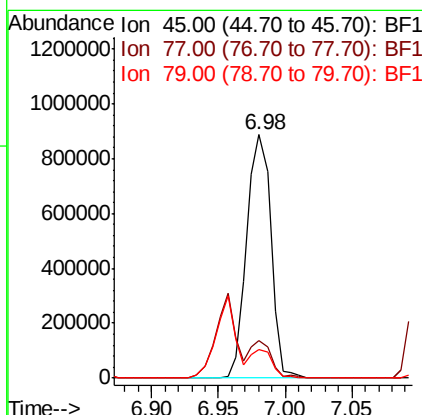
RT: 6.98 min Scan# 832

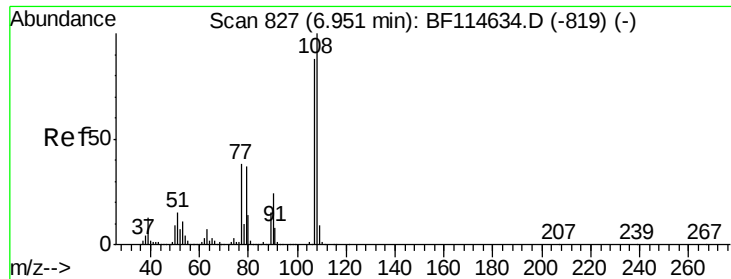
Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tgt Ion:	45	Resp:	1098449
Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	34.7
79	11.7	0.0	31.3





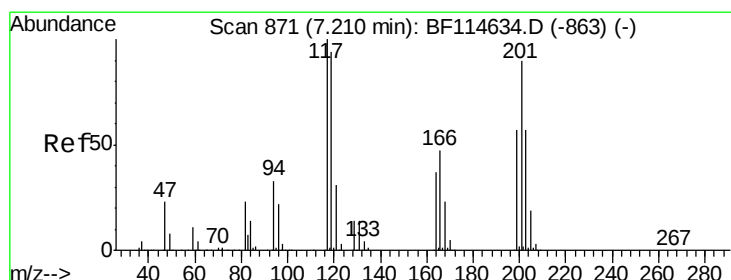
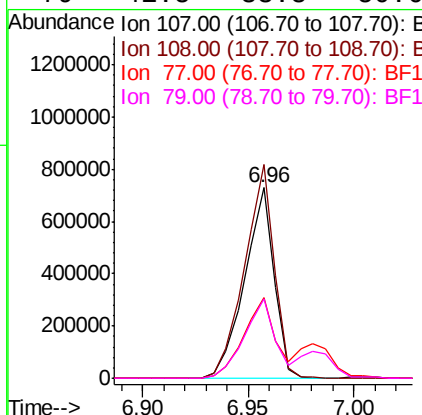
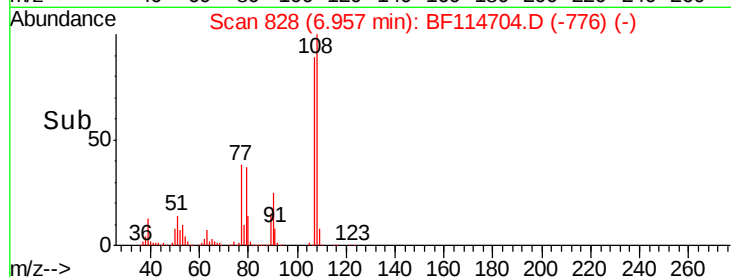
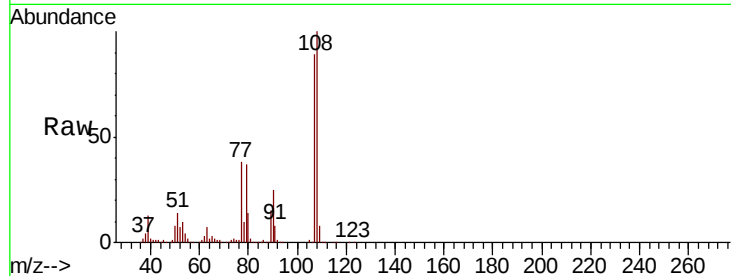
#17
2-Methylphenol
Concen: 41.652 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100			
108	108	112.2	91.1	136.7	
77	77	42.6	34.9	52.3	
79	79	41.5	33.8	50.6	

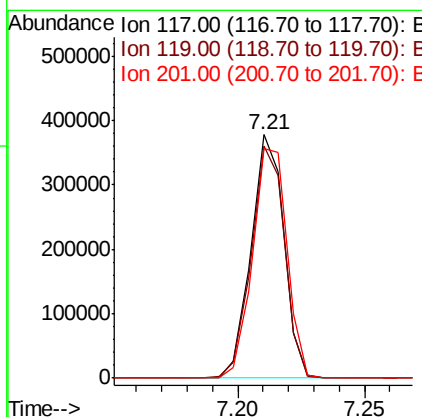
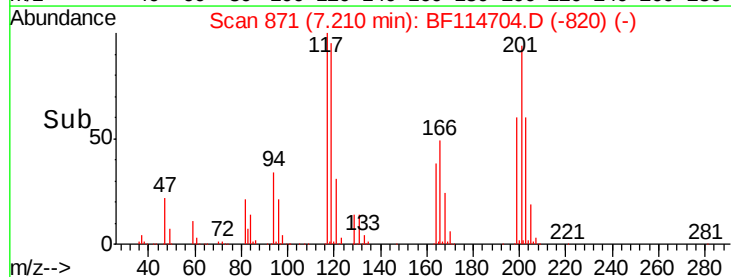
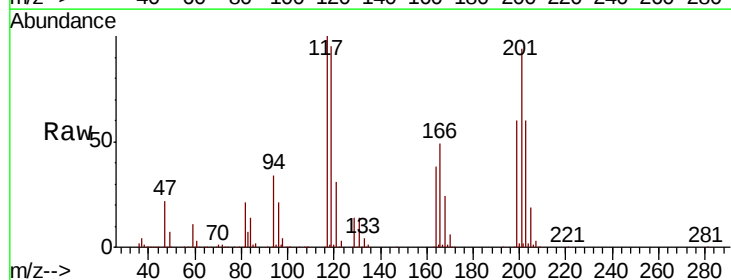
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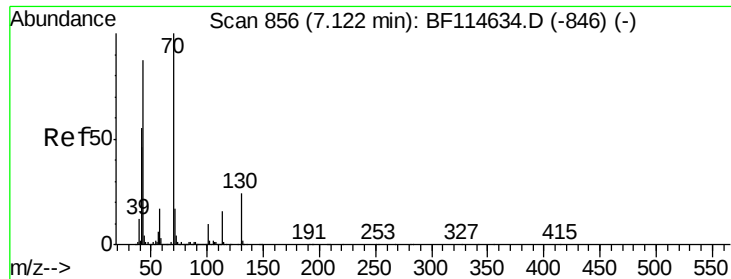
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#18
Hexachloroethane
Concen: 39.107 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100			
119	119	95.2	75.6	113.4	
201	201	94.4	71.7	107.5	





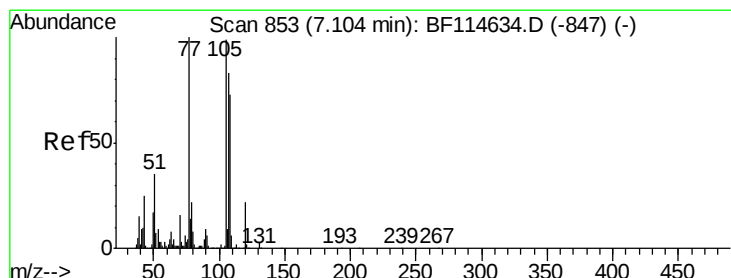
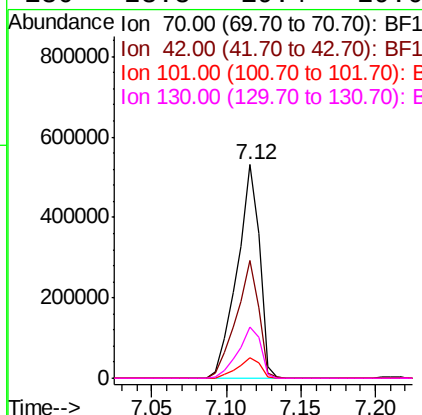
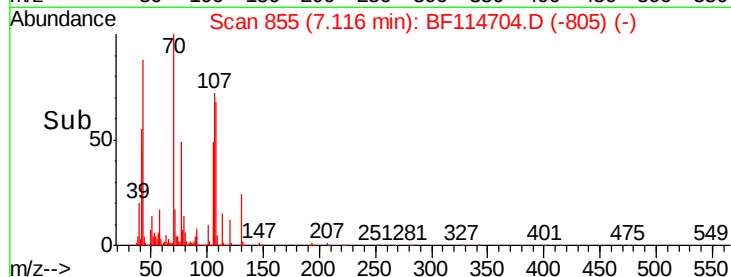
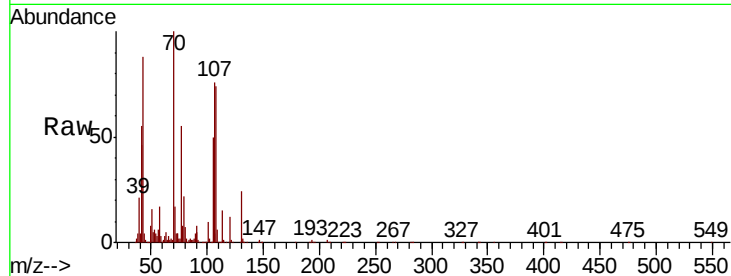
#19
n-Nitroso-di-n-propylamine
Concen: 38.348 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		557396		
42	54.9	44.4	66.6		
101	9.9	8.2	12.4		
130	23.8	19.4	29.0		

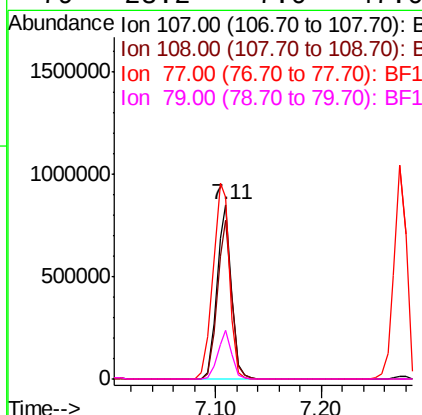
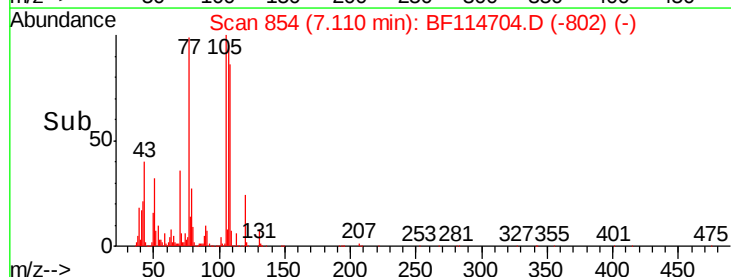
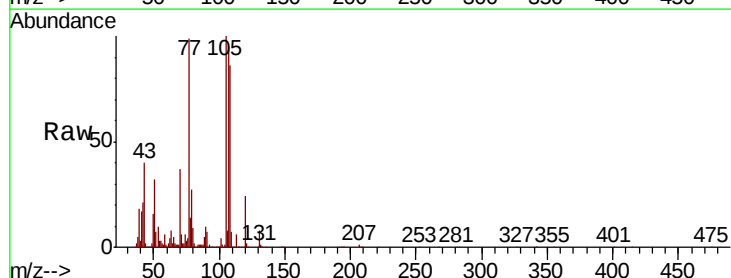
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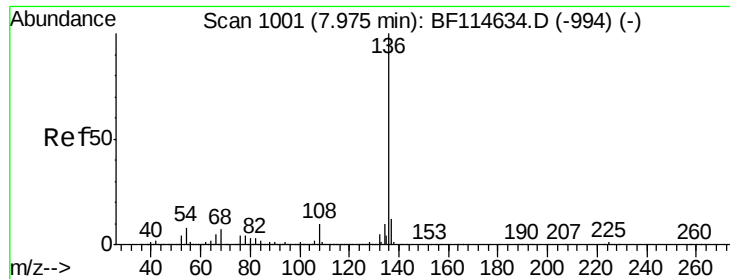
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#20
3+4-Methylphenols
Concen: 41.146 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		826017		
108	91.0	68.6	108.6		
77	104.6	100.5	140.5		
79	28.2	7.0	47.0		





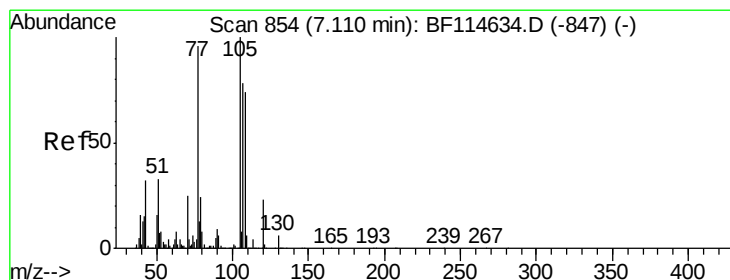
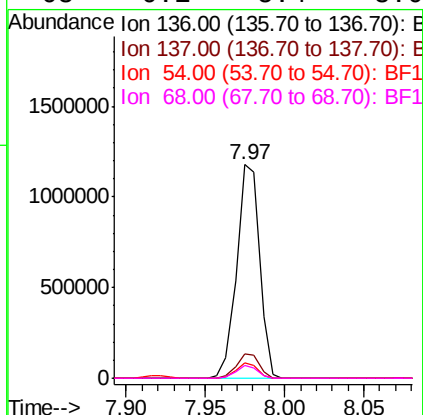
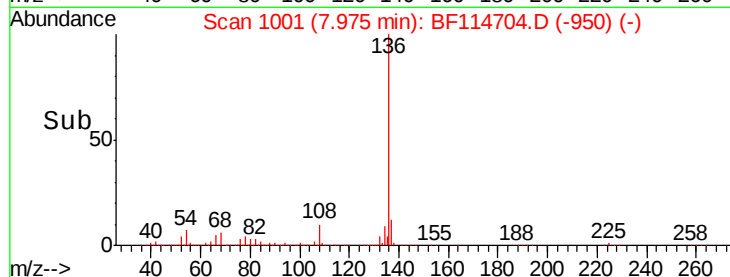
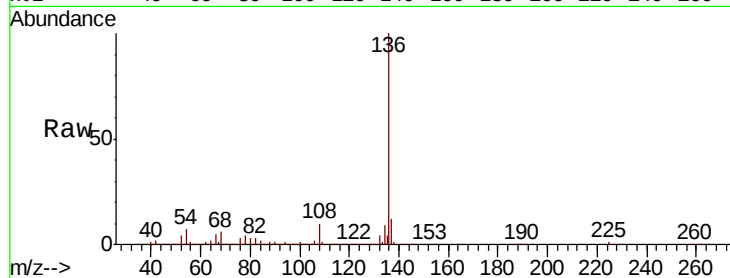
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.6	9.3	13.9		
54	7.3	6.3	9.5		
68	6.1	5.4	8.0		

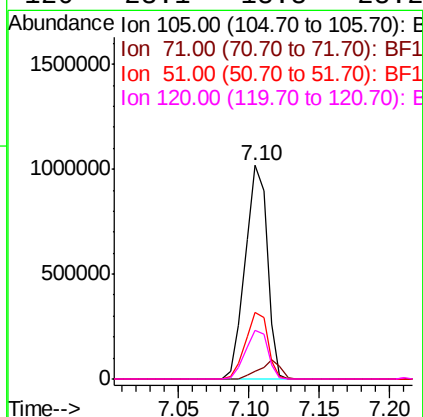
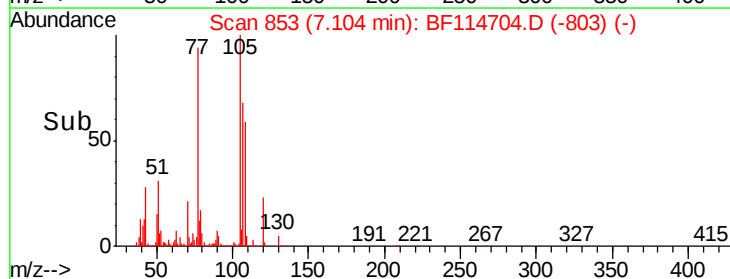
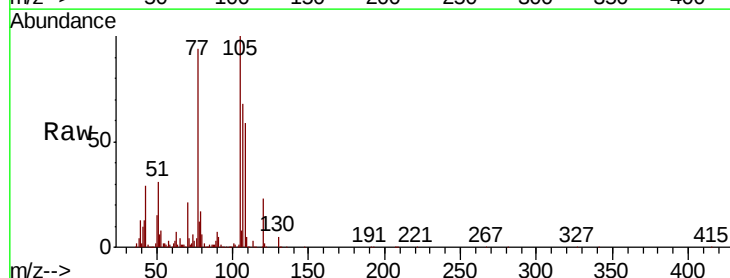
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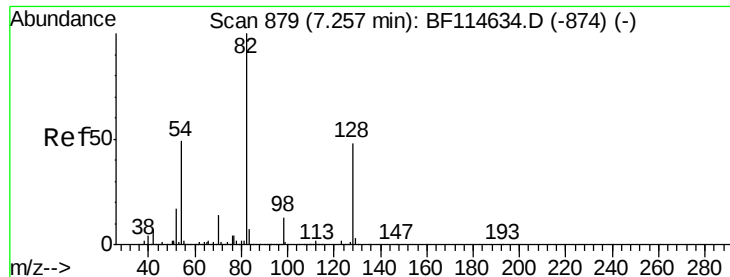
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#22
Acetophenone
Concen: 44.396 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
71	3.6	3.6	5.4#	
51	31.2	26.0	39.0	
120	23.1	18.8	28.2	





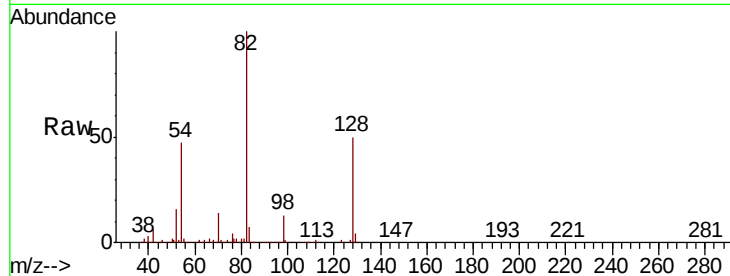
#23
Nitrobenzene-d5
Concen: 88.452 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.2	38.5	57.7
54	47.4	39.1	58.7

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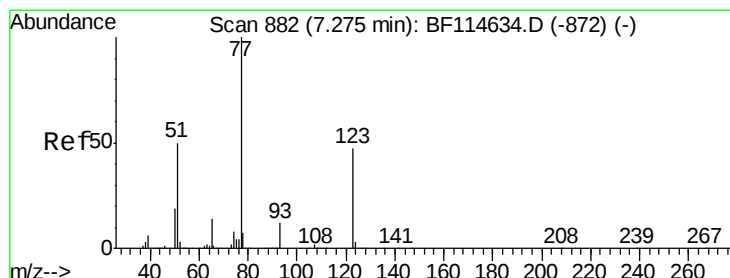
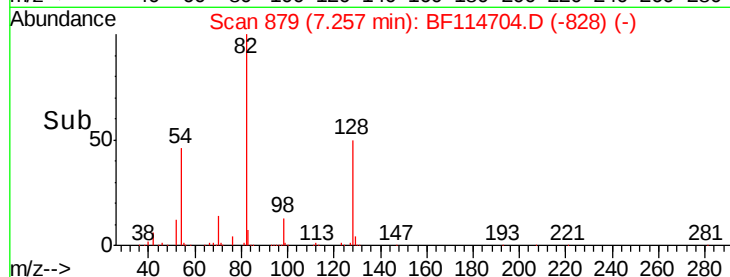
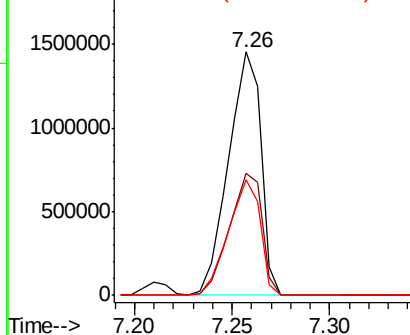


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24
Nitrobenzene
Concen: 43.093 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

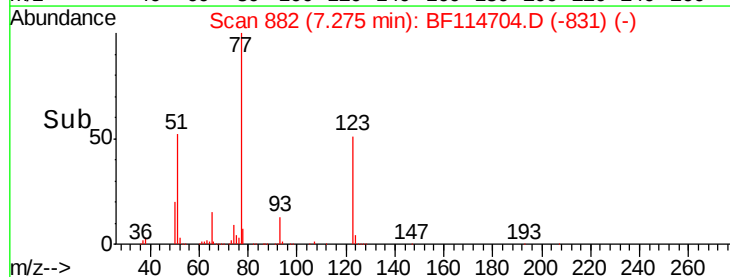
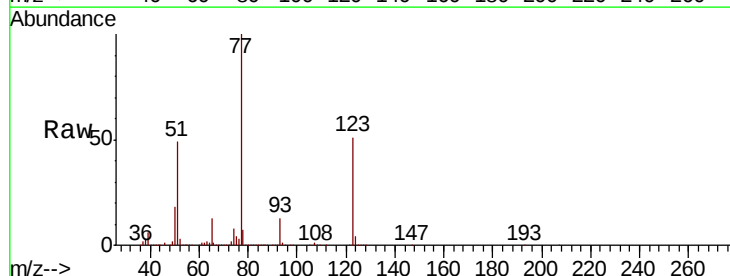
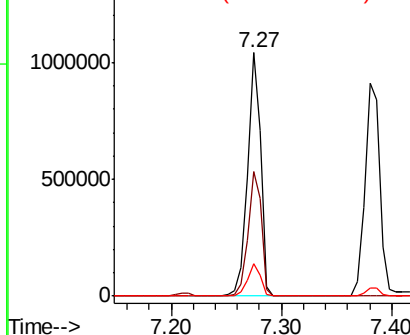
Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.2	38.5	57.7
65	13.4	11.2	16.8

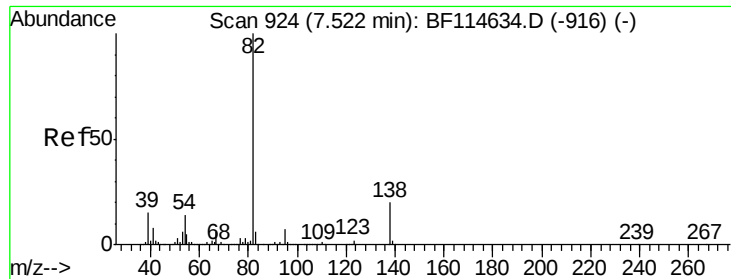
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 41.412 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

ClientSampleId :

SUP-2A-C-4-052019MSD

Tot Ion: 82 Resp: 1572578

Ion Ratio Lower Upper

82 100

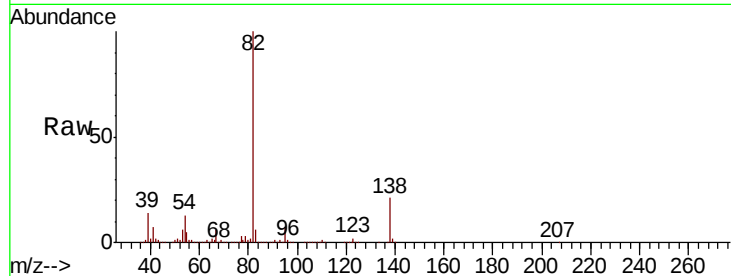
95 7.2 5.6 8.4

138 20.9 15.9 23.9

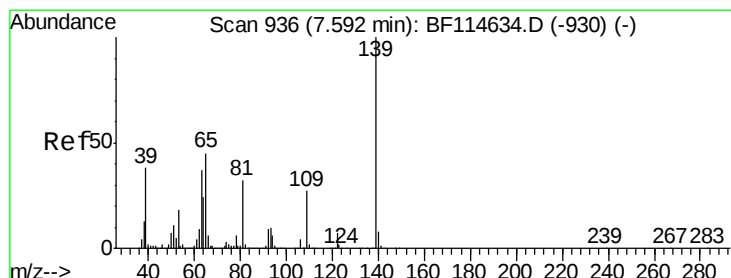
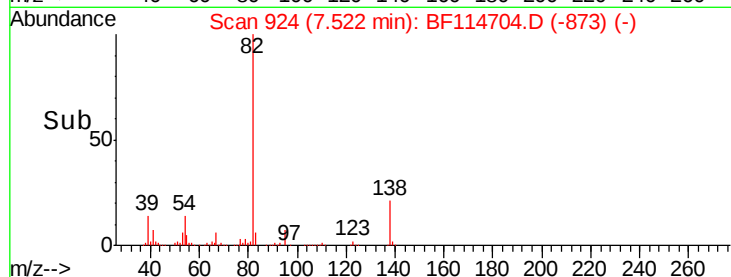
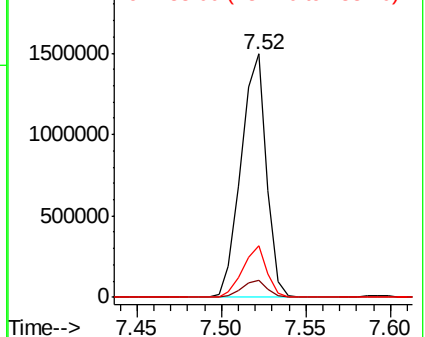
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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 47.923 ng

RT: 7.59 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

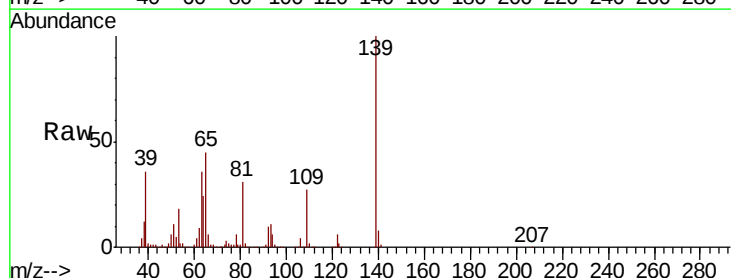
Tgt Ion: 139 Resp: 468873

Ion Ratio Lower Upper

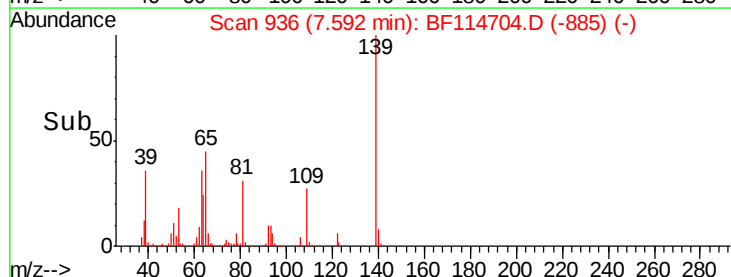
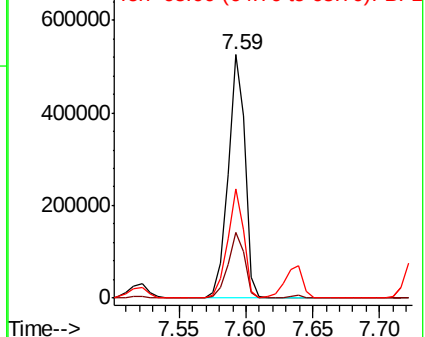
139 100

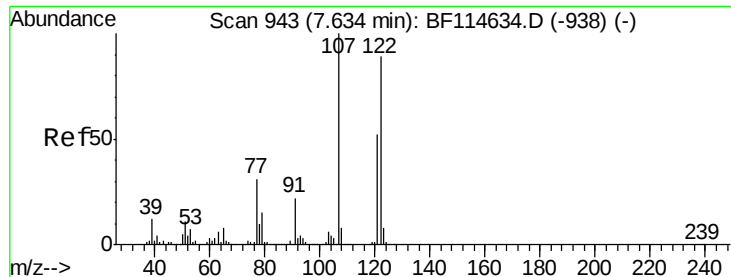
109 26.9 21.7 32.5

65 44.7 36.3 54.5



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





#27

2,4-Dimethylphenol

Concen: 45.975 ng

RT: 7.64 min Scan# 944

Delta R.T. 0.01 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

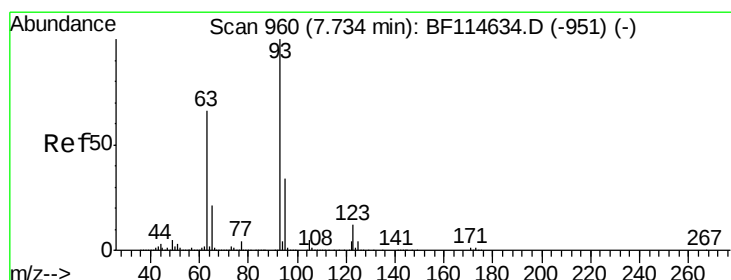
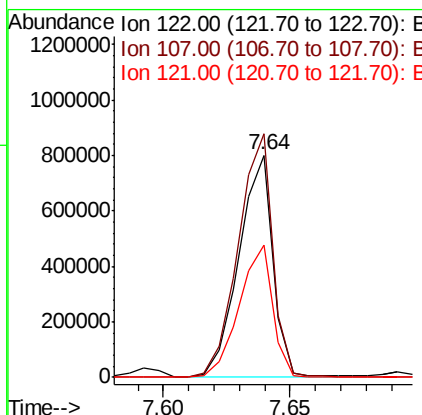
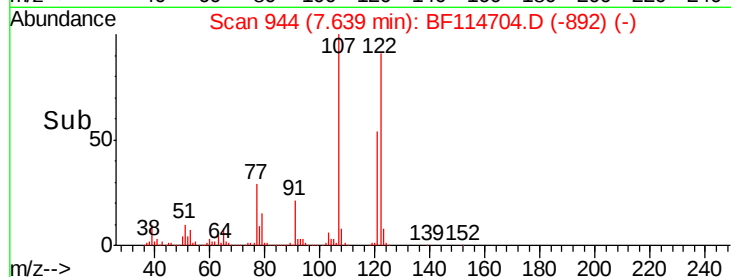
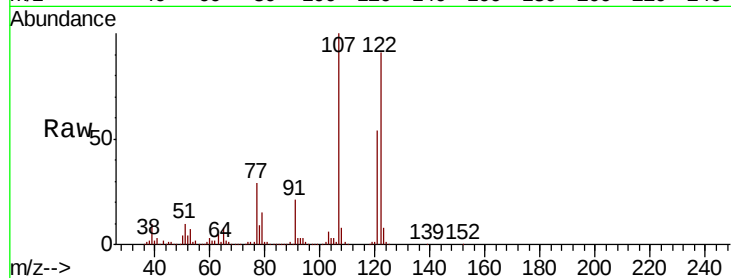
ClientSampleId :

SUP-2A-C-4-052019MSD

Tot Ion:	122	Resp:	748103
Ion Ratio	Lower	Upper	
122	100		
107	109.4	89.3	133.9
121	59.5	46.8	70.2

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#28

bis(2-Chloroethoxy)methane

Concen: 41.282 ng

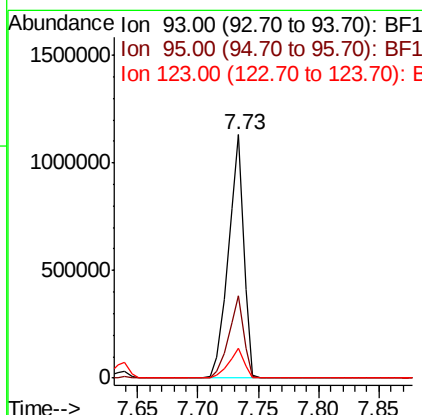
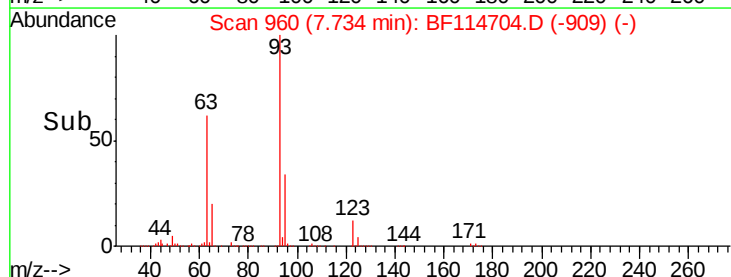
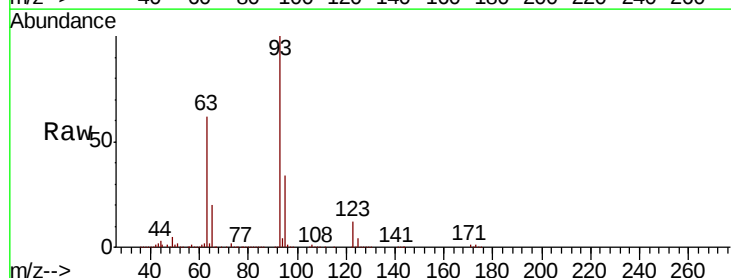
RT: 7.73 min Scan# 960

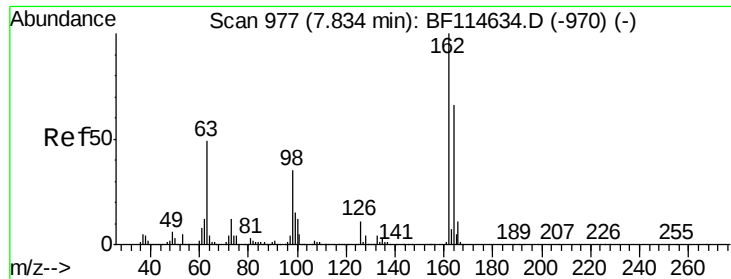
Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tgt Ion:	93	Resp:	997911
Ion Ratio	Lower	Upper	
93	100		
95	33.7	27.0	40.4
123	12.3	10.2	15.2





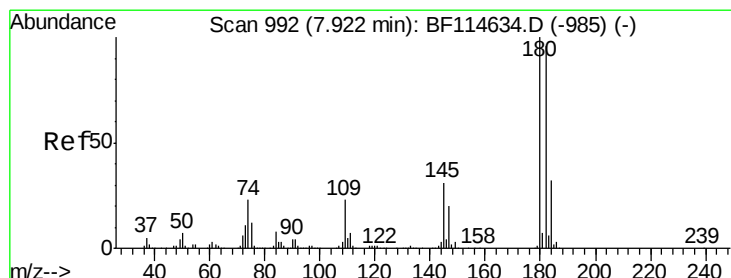
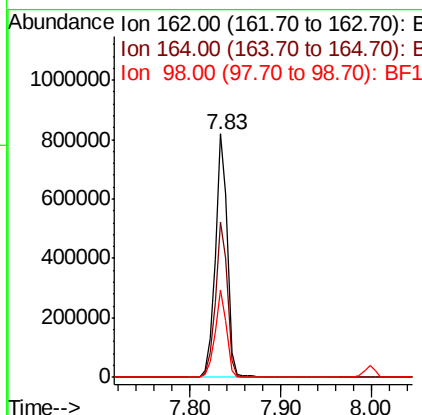
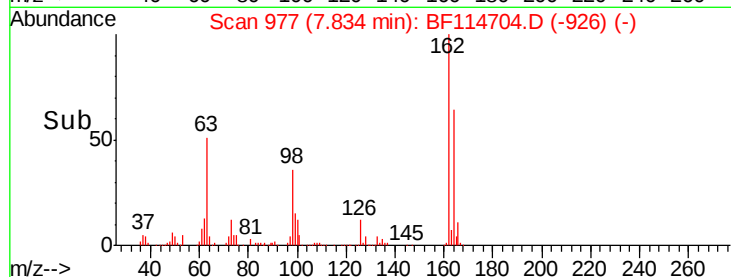
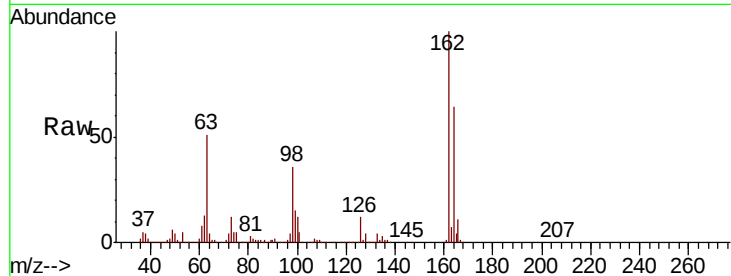
#29
2,4-Dichlorophenol
Concen: 45.202 ng
RT: 7.83 min Scan# 977
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		748660		
164	64.0	45.8	85.8		
98	36.2	14.9	54.9		

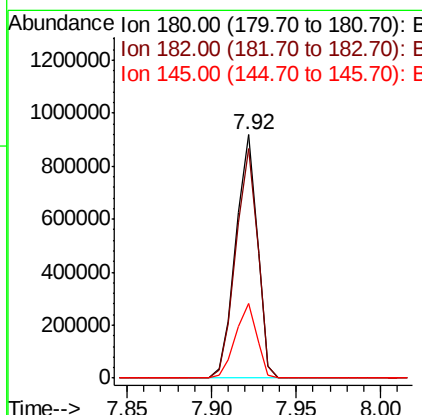
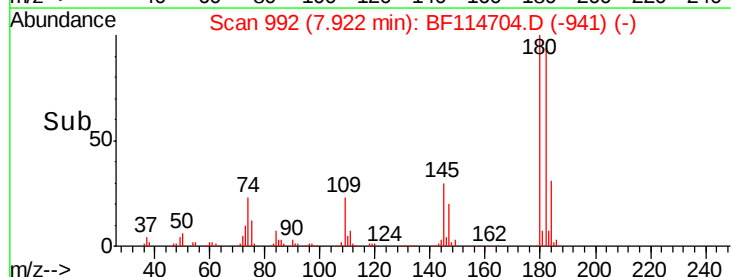
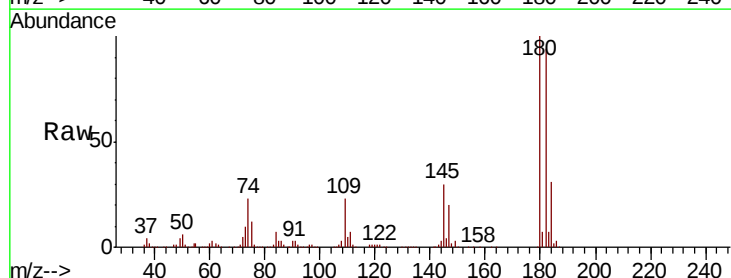
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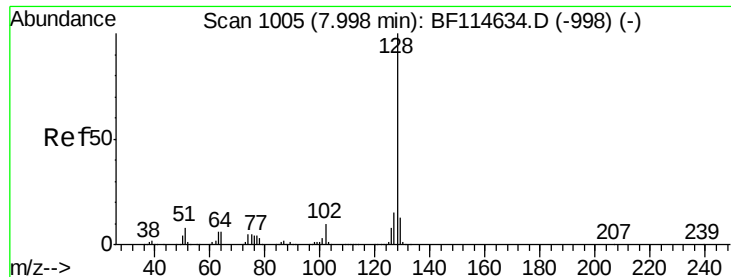
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#30
1,2,4-Trichlorobenzene
Concen: 43.265 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		816399		
182	94.3	76.9	115.3		
145	30.5	24.5	36.7		





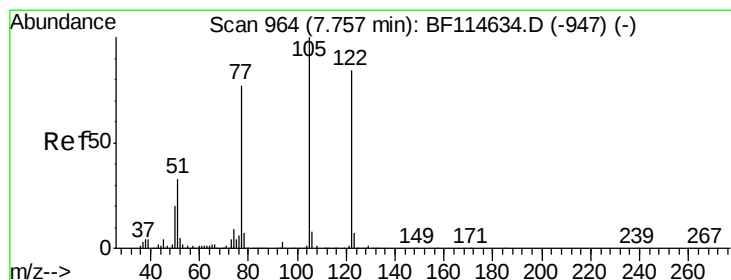
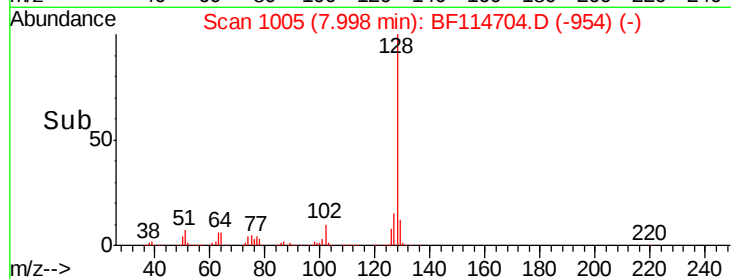
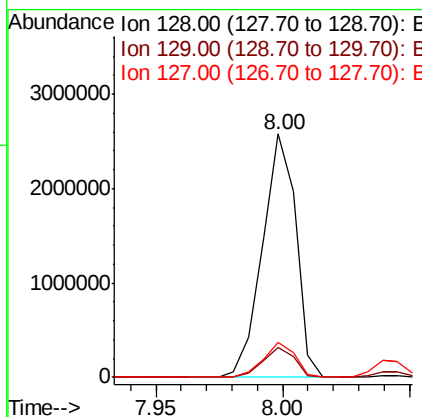
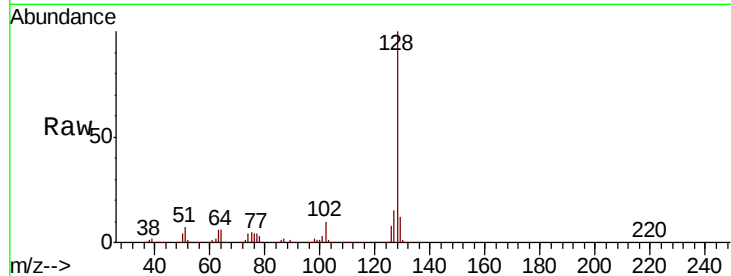
#31
Naphthalene
Concen: 43.979 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.4	10.2	15.2
127	14.5	11.9	17.9

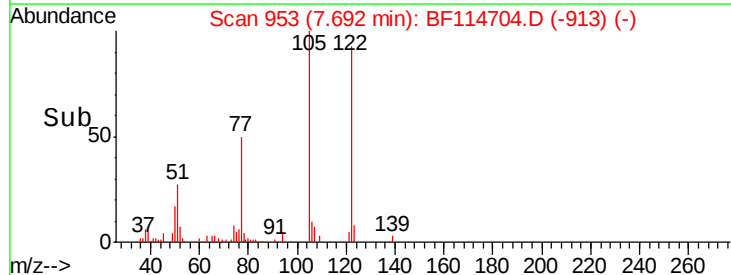
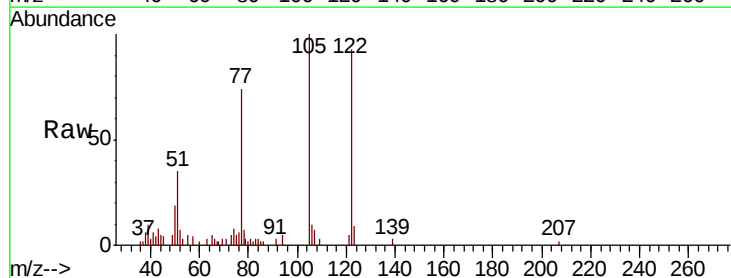
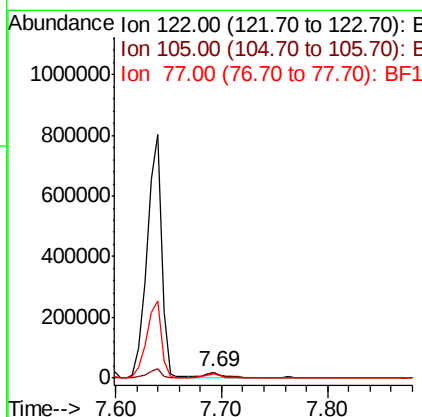
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#32
Benzoic acid
Concen: 3.406 ng m
RT: 7.69 min Scan# 953
Delta R.T. -0.06 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
122	100		
105	107.0	98.3	138.3
77	79.4	70.7	110.7





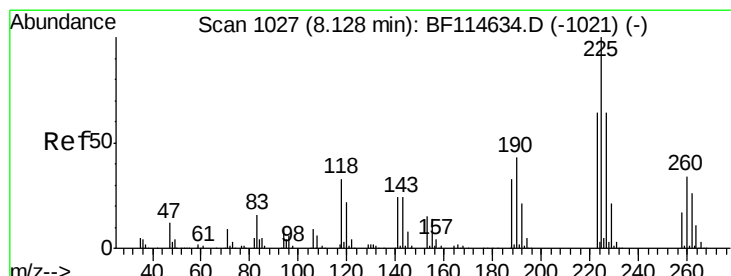
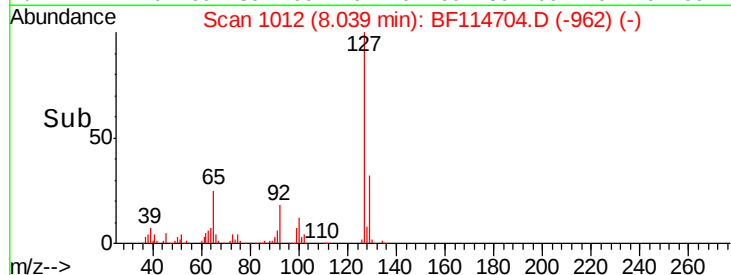
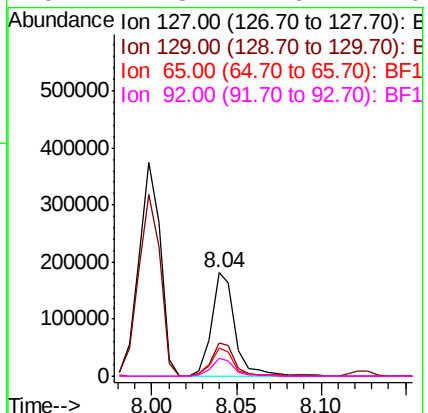
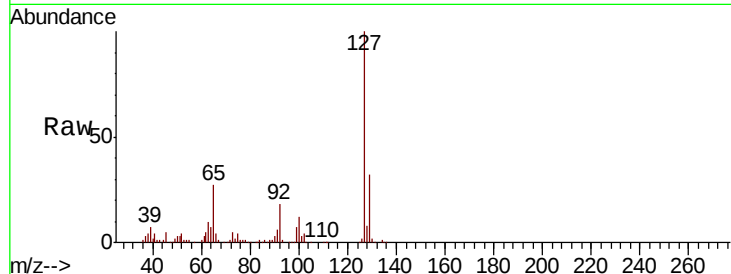
#33
 4-Chloroaniline
 Concen: 6.778 ng
 RT: 8.04 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	26.7	40.1		
65	27.1	22.5	33.7		
92	17.8	14.6	22.0		

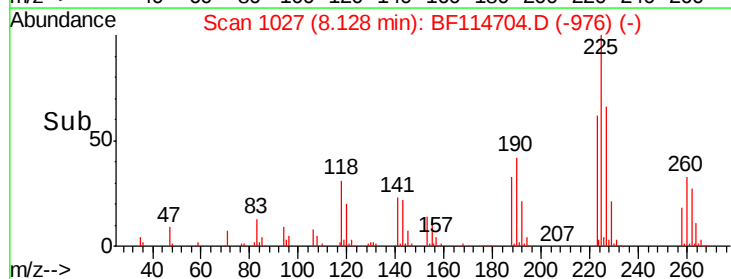
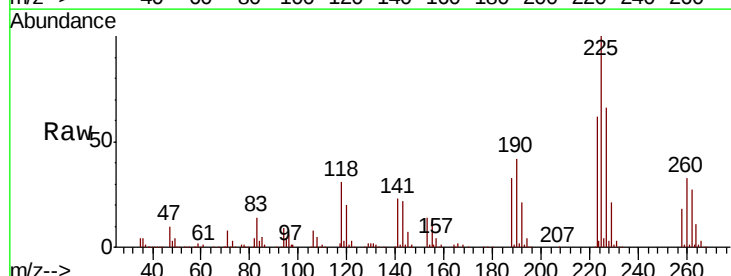
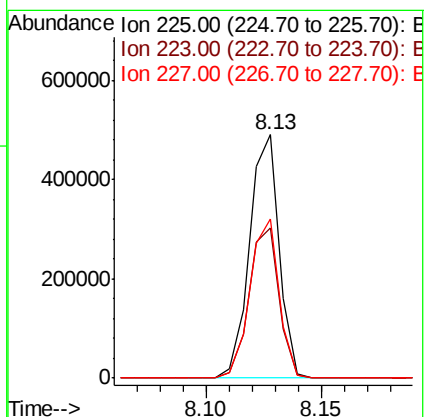
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#34
 Hexachlorobutadiene
 Concen: 41.853 ng
 RT: 8.13 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.6	50.9	76.3		
227	65.6	51.3	76.9		





#35

Caprolactam

Concen: 42.048 ng/mL

RT: 8.41 min Scan# 1075

Delta R.T. -0.01 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

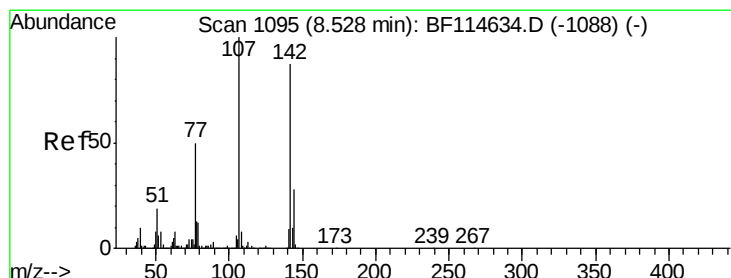
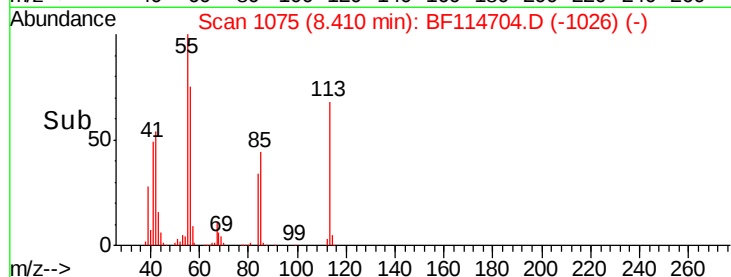
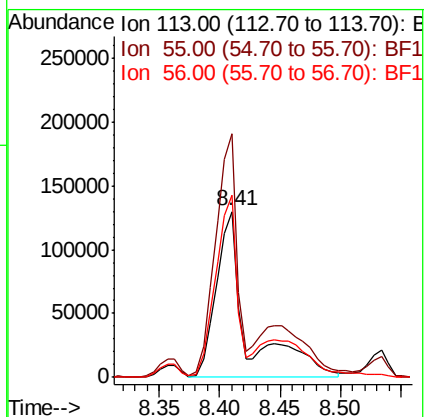
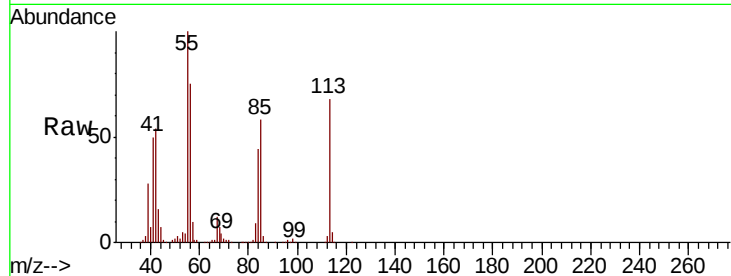
ClientSampleId :

SUP-2A-C-4-052019MSD

Tot Ion:	113	Resp:	235019
Ion Ratio	Lower	Upper	
113	100		
55	146.7	136.4	176.4
56	109.5	97.0	137.0

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#36

4-Chloro-3-methylphenol

Concen: 46.298 ng/mL

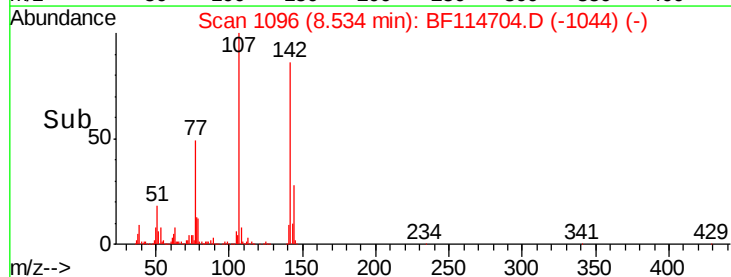
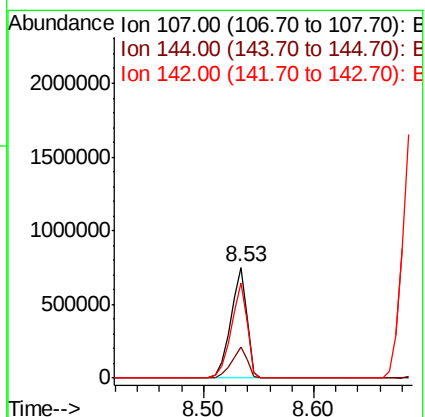
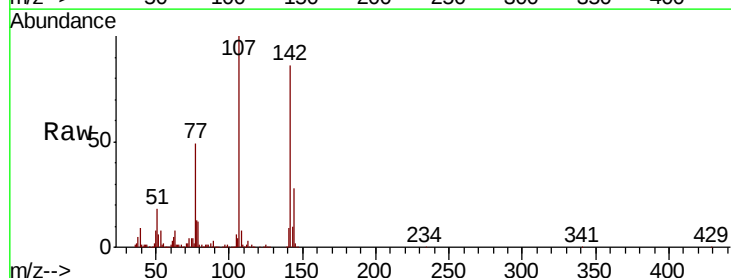
RT: 8.53 min Scan# 1096

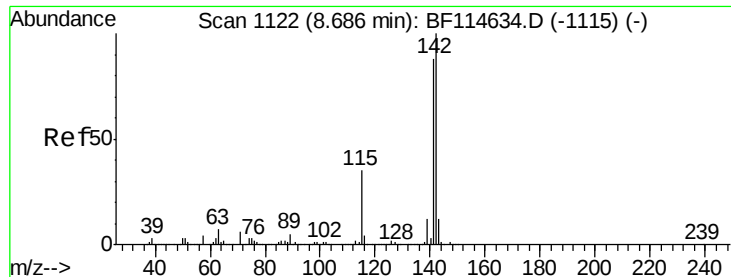
Delta R.T. 0.01 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tgt Ion:	107	Resp:	768993
Ion Ratio	Lower	Upper	
107	100		
144	27.7	22.5	33.7
142	85.9	69.8	104.6





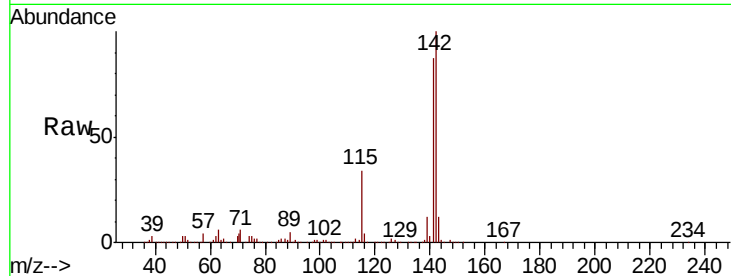
#37
2-Methylnaphthalene
Concen: 46.221 ng
RT: 8.69 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.3	105.5
115	34.3	28.0	42.0

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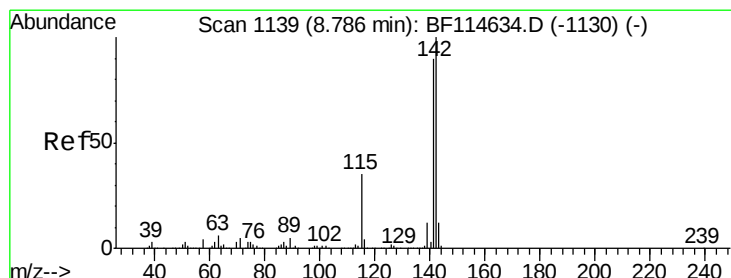
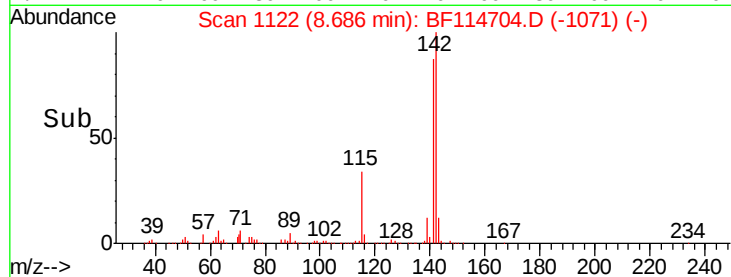
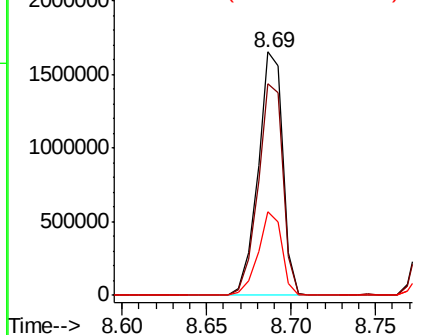


Abundance

Ion 142.00 (141.70 to 142.70): E

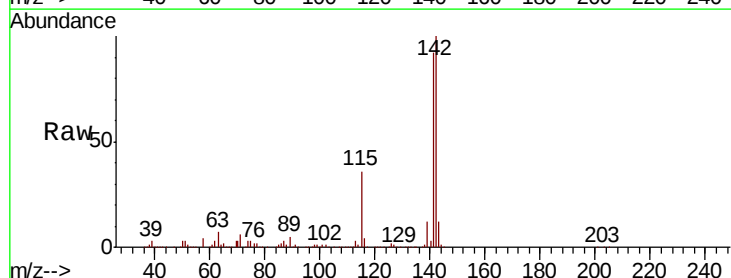
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 45.779 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.3	108.5
116	3.8	3.0	4.4

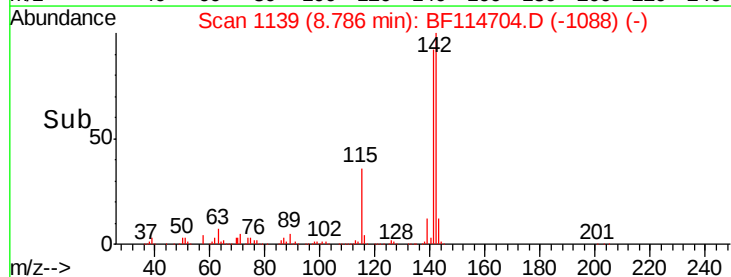
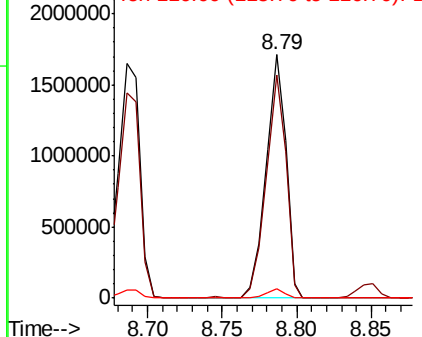


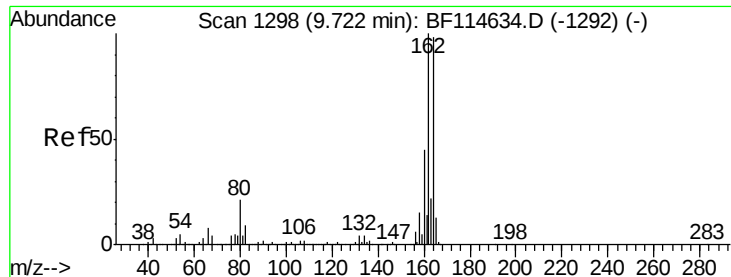
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





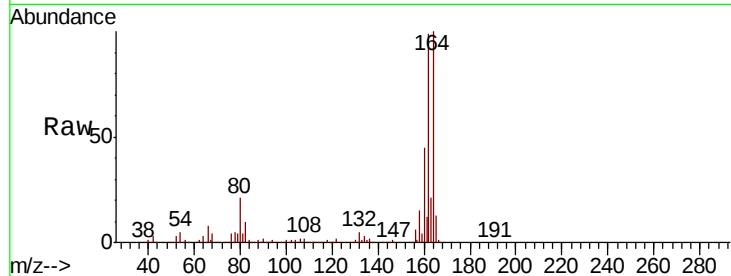
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.4	122.2
160	45.0	36.6	54.8

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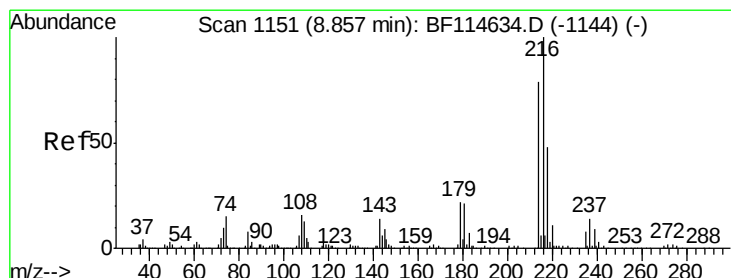
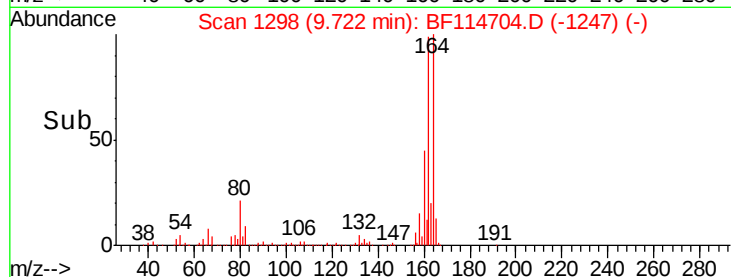
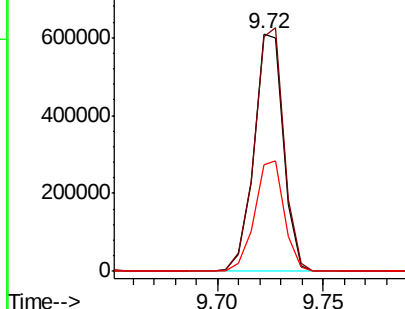


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.679 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.2	94.8
179	22.3	17.9	26.9
108	20.6	15.8	23.8

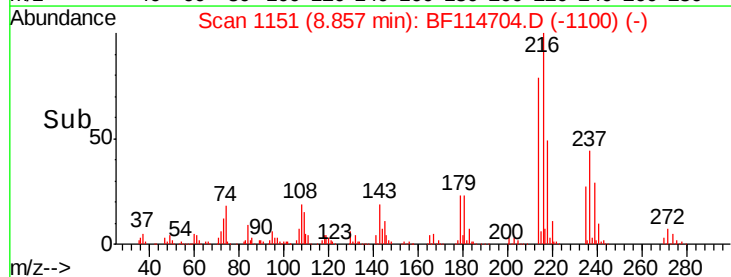
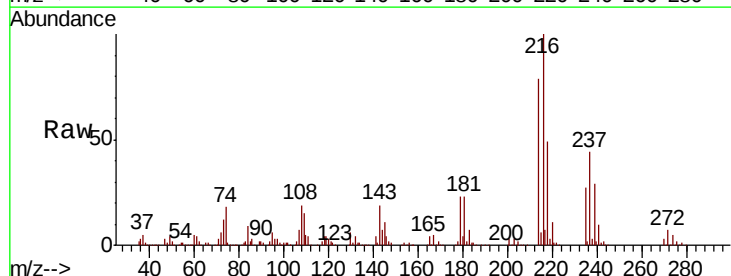
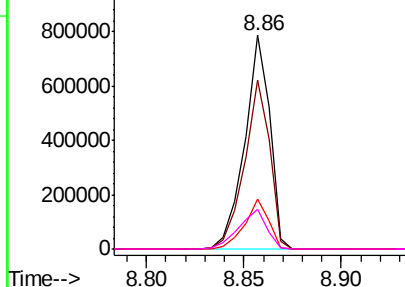
Abundance

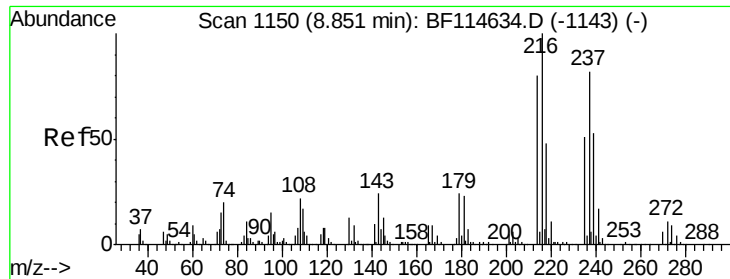
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





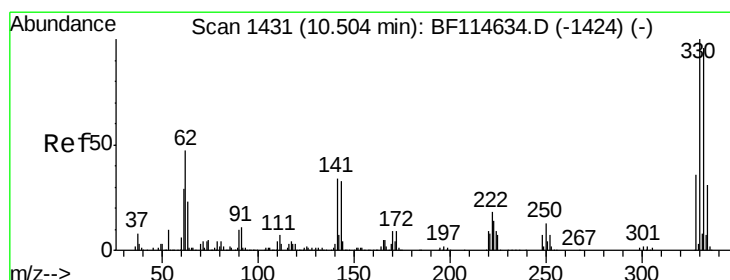
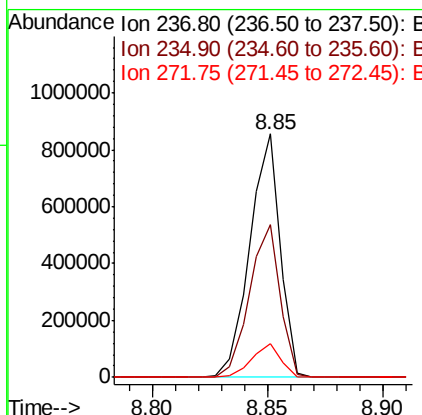
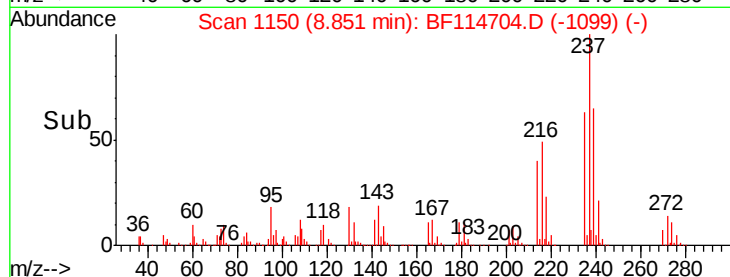
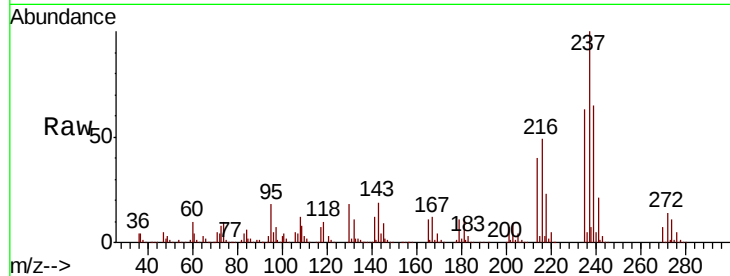
#41
Hexachlorocyclopentadiene
Concen: 75.696 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	62.8	42.8	82.8
272	13.7	0.0	33.7

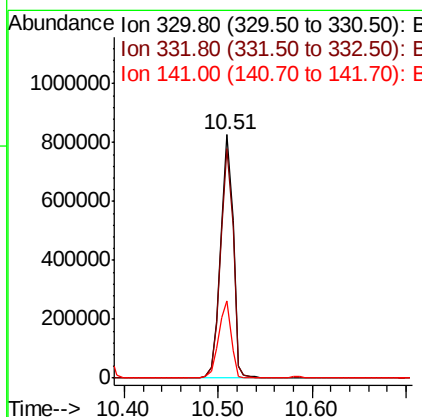
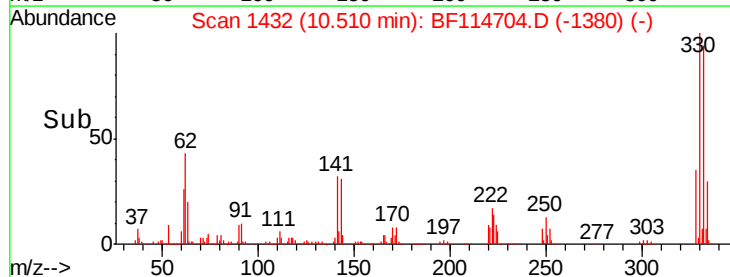
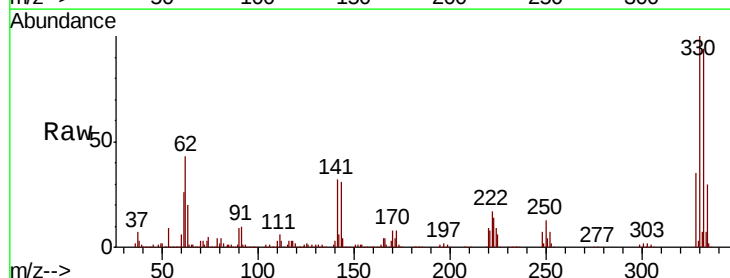
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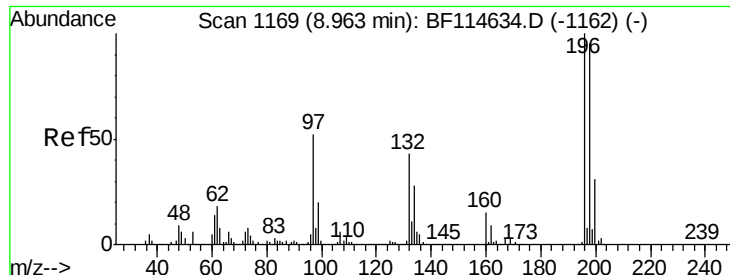
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#42
2,4,6-Tribromophenol
Concen: 137.994 ng
RT: 10.51 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.8	75.8	113.8
141	32.2	27.8	41.8





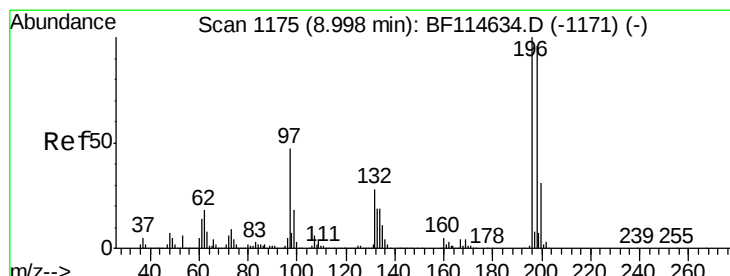
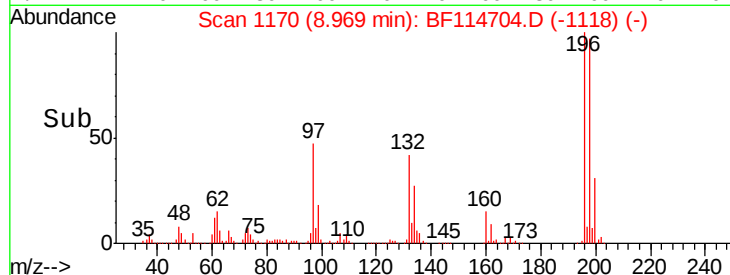
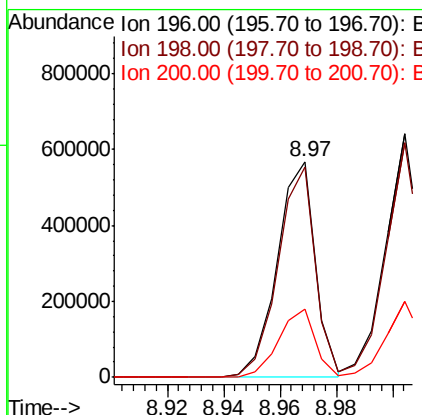
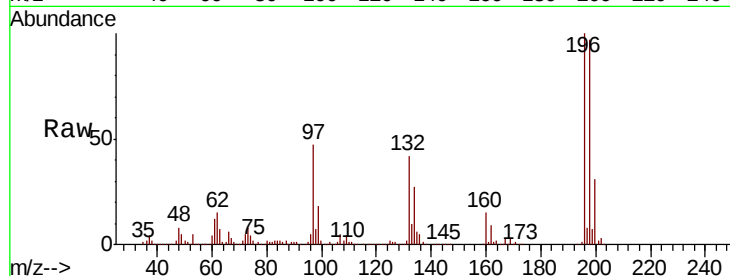
#43
 2,4,6-Trichlorophenol
 Concen: 42.990 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. 0.01 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MSD

Tot Ion:	196	Resp:	532189
Ion Ratio	Lower	Upper	
196	100		
198	97.4	76.1	114.1
200	31.4	24.7	37.1

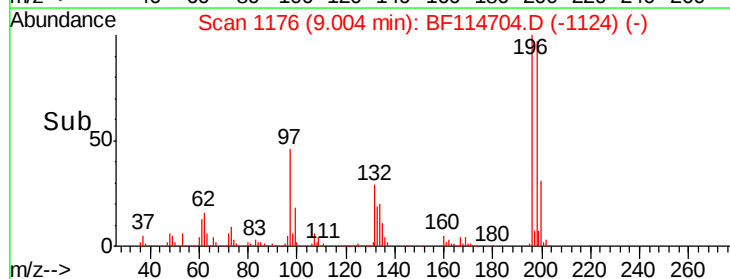
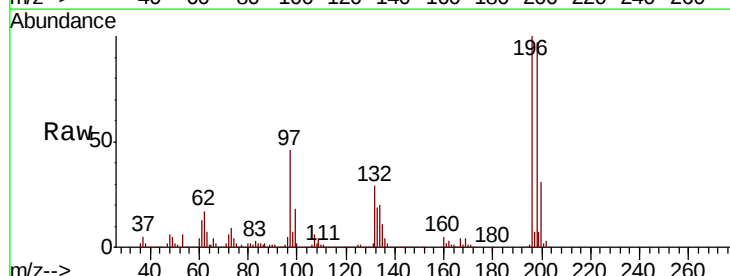
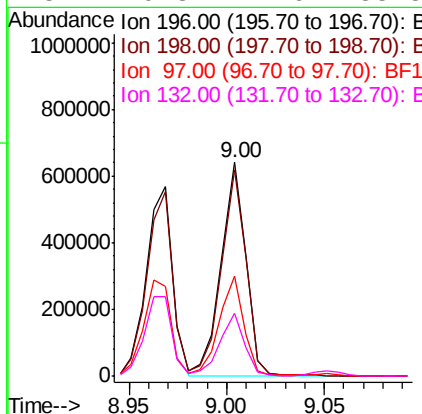
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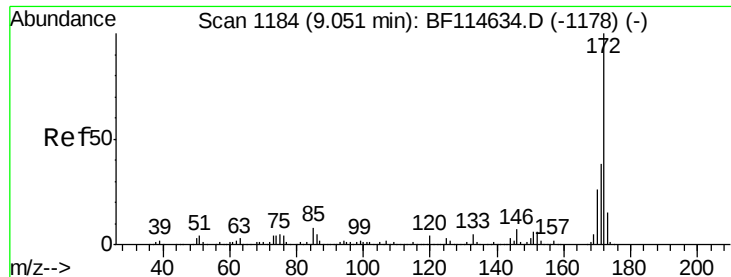
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#44
 2,4,5-Trichlorophenol
 Concen: 45.561 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

Tgt Ion:	196	Resp:	562821
Ion Ratio	Lower	Upper	
196	100		
198	96.5	76.8	115.2
97	46.5	37.8	56.8
132	29.3	22.6	33.8





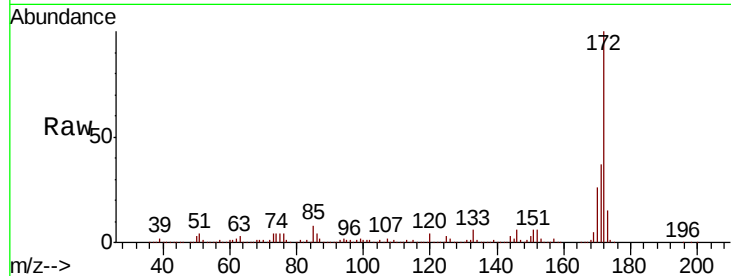
#45
2-Fluorobiphenyl
Concen: 95.762 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.6	45.8
170	25.9	20.7	31.1

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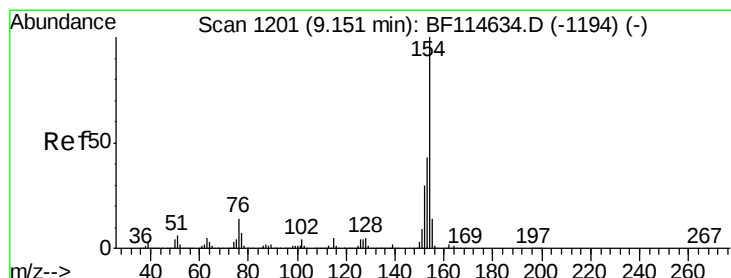
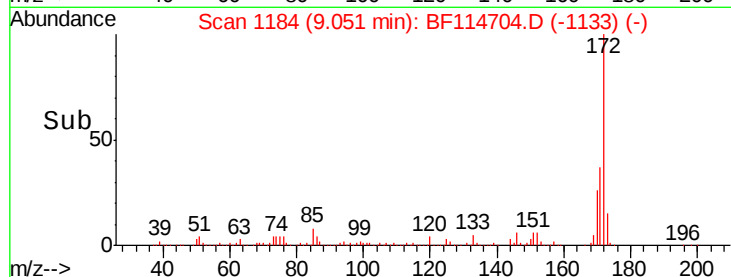
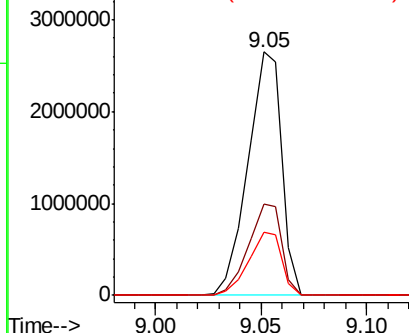


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 44.102 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

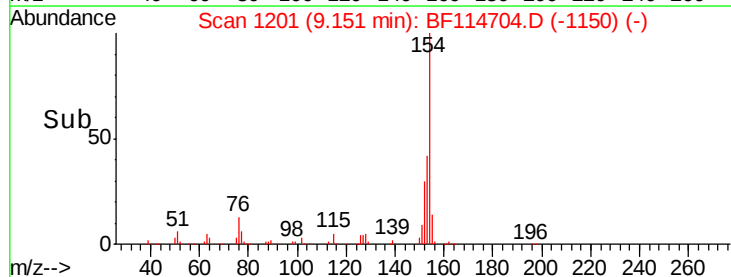
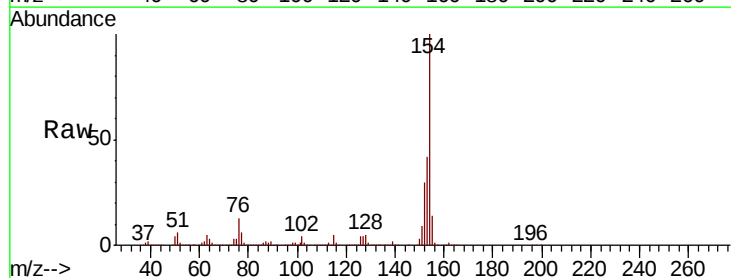
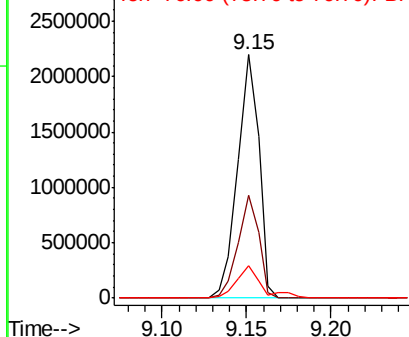
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.4	23.0	63.0
76	13.5	0.0	33.9

Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





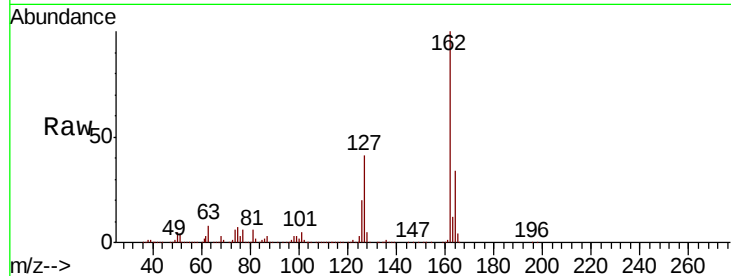
#47
2-Chloronaphthalene
Concen: 43.797 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.3	32.2	48.2
164	34.5	27.8	41.6

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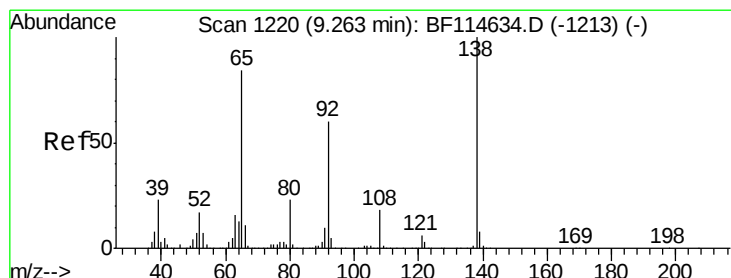
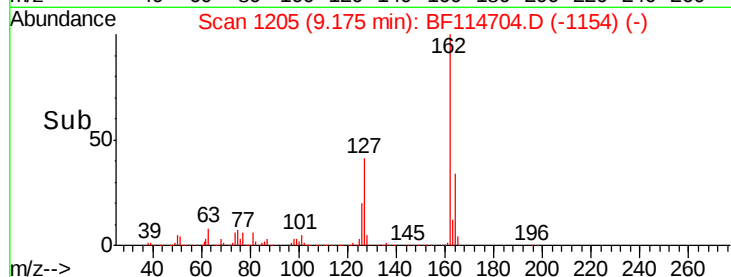
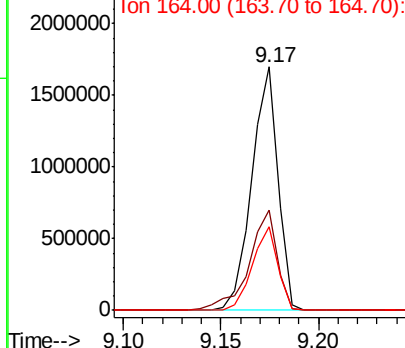


Abundance

Ion 162.00 (161.70 to 162.70): E

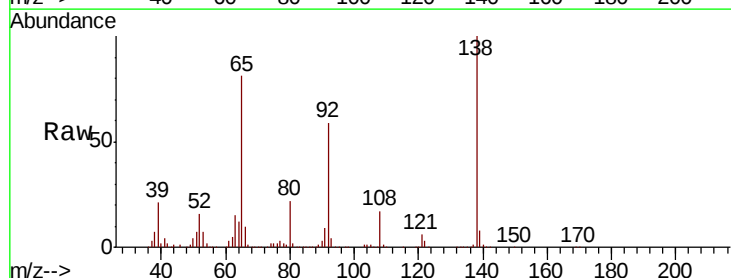
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 42.202 ng
RT: 9.26 min Scan# 1220
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.3	57.1	85.7
138	123.3	95.8	143.6

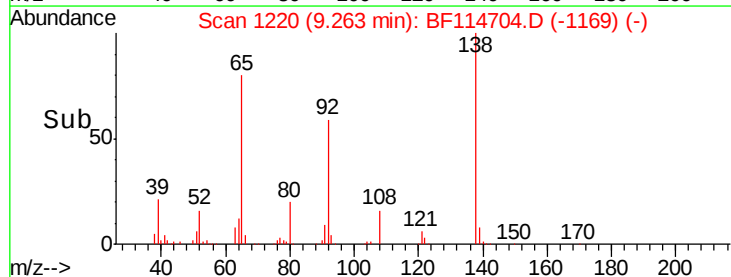
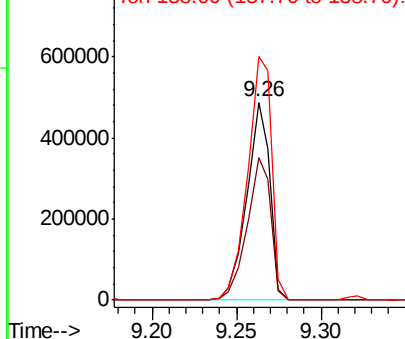


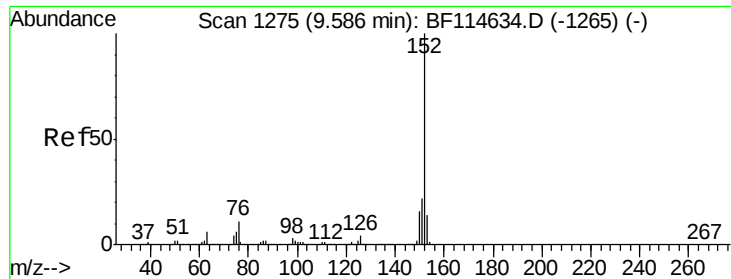
Abundance

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





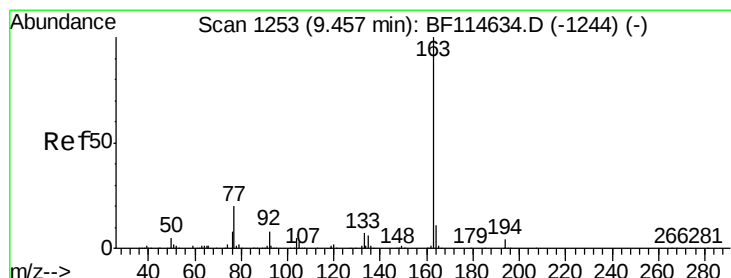
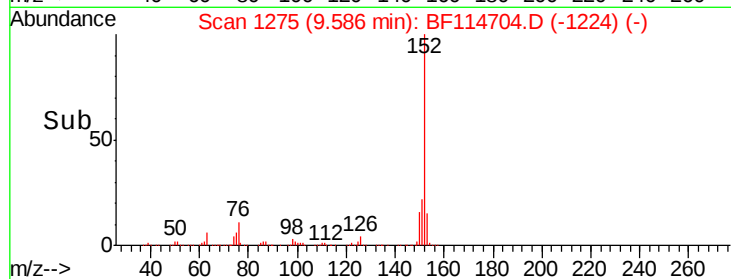
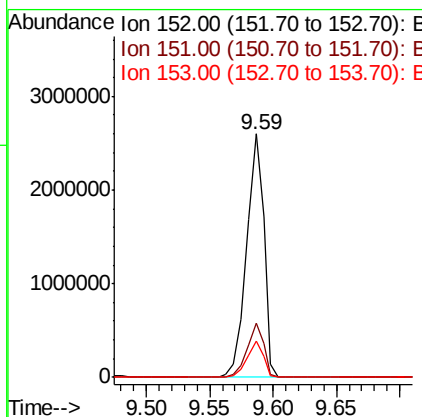
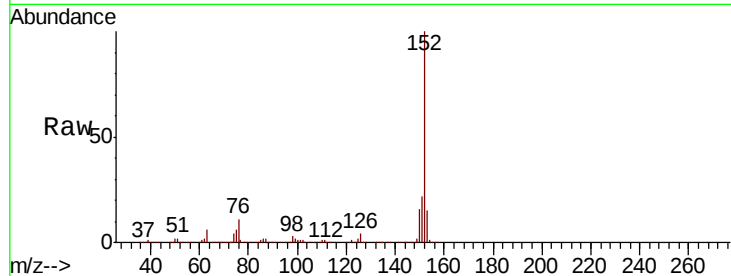
#49
Acenaphthylene
Concen: 44.056 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.5	26.3
153	14.8	11.6	17.4

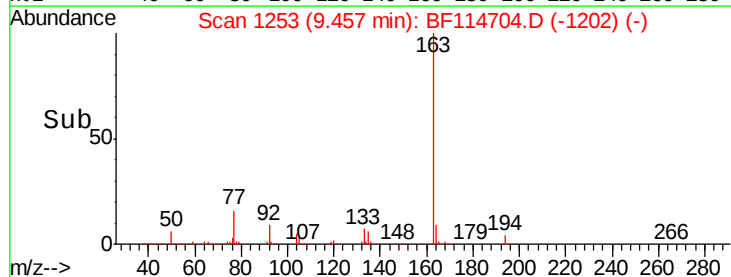
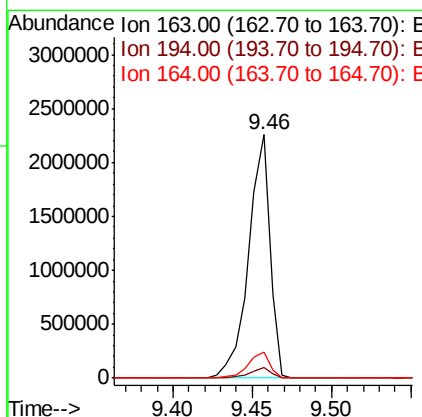
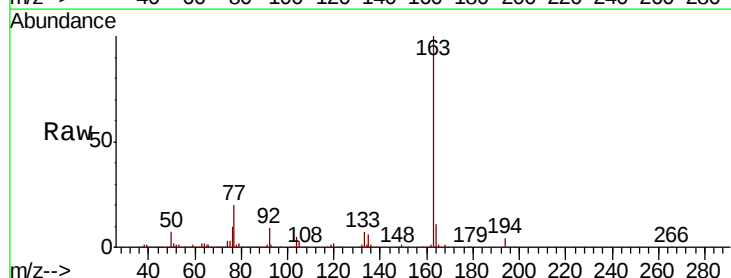
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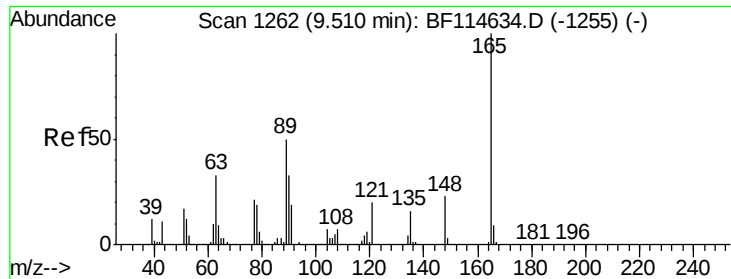
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#50
Dimethylphthalate
Concen: 51.226 ng
RT: 9.46 min Scan# 1253
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.9	8.6	13.0





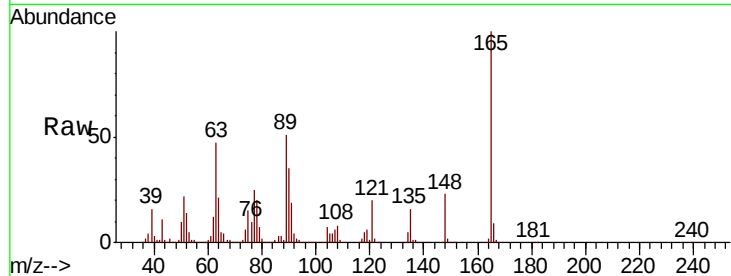
#51
 2,6-Dinitrotoluene
 Concen: 46.133 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MSD

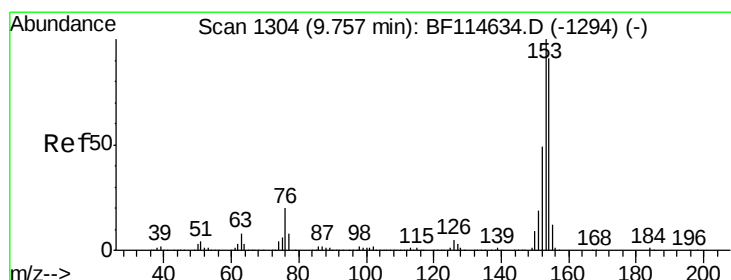
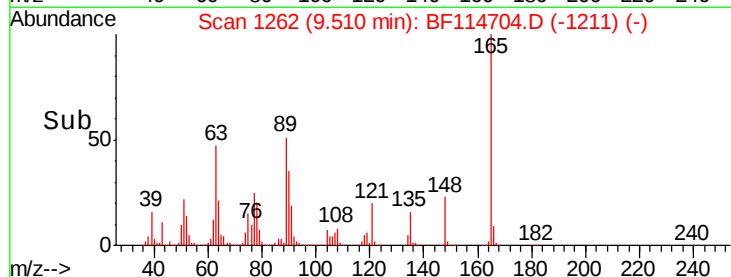
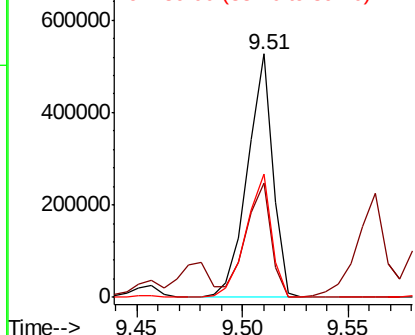
Tot Ion	Ratio	Resp	Lower	Upper
165	100	441286		
63	46.9		36.6	54.8
89	50.7		40.2	60.4

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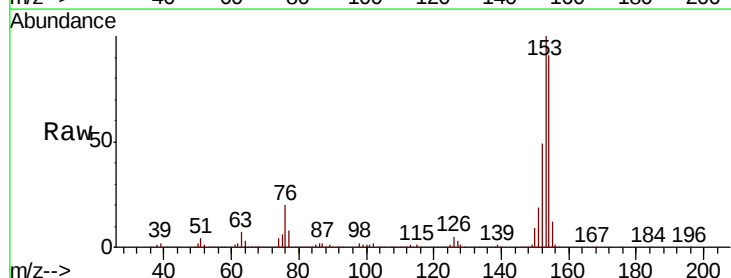


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

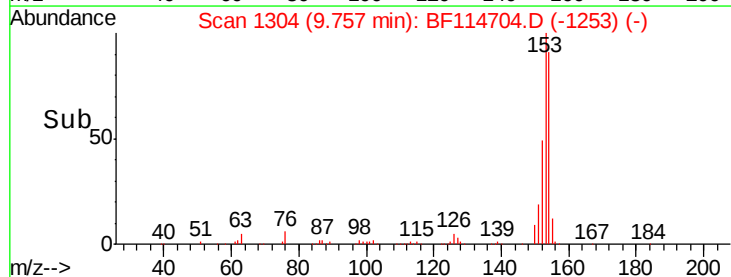
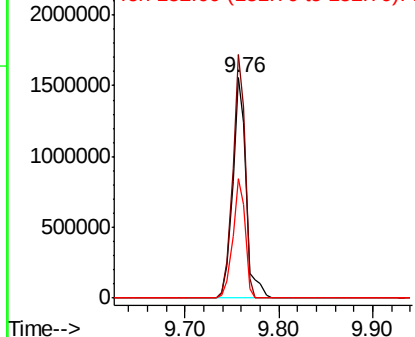


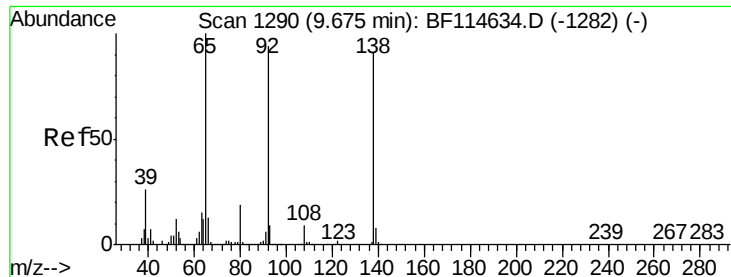
#52
 Acenaphthene
 Concen: 45.004 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1533861		
153	110.4		88.4	132.6
152	54.4		43.4	65.0



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





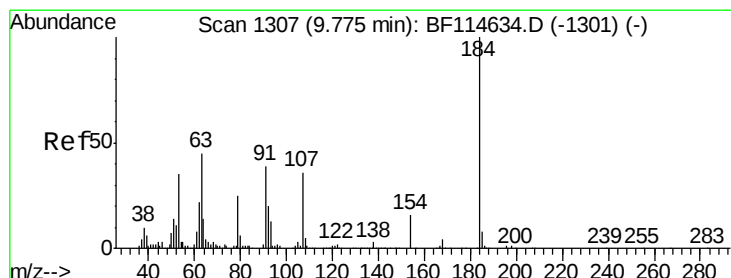
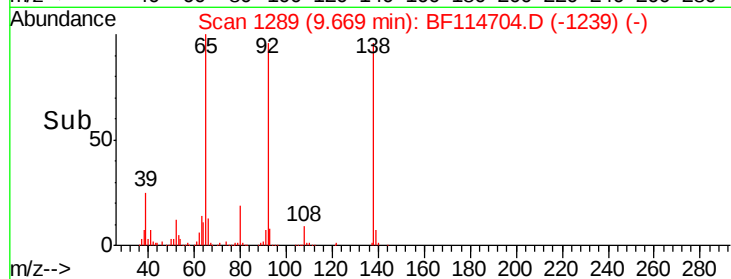
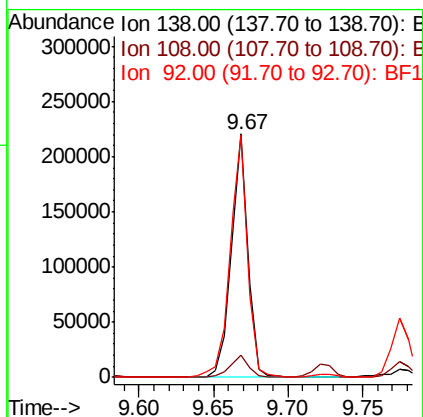
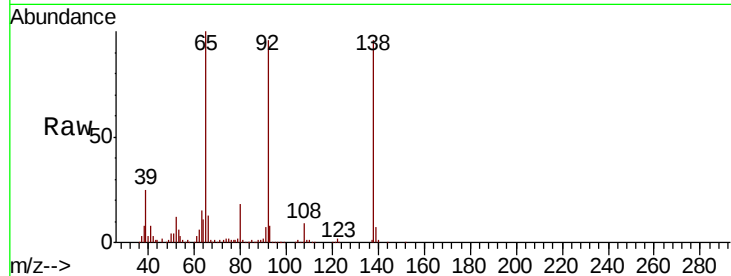
#53
3-Nitroaniline
Concen: 15.129 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.3	8.3	12.5
92	99.8	83.1	124.7

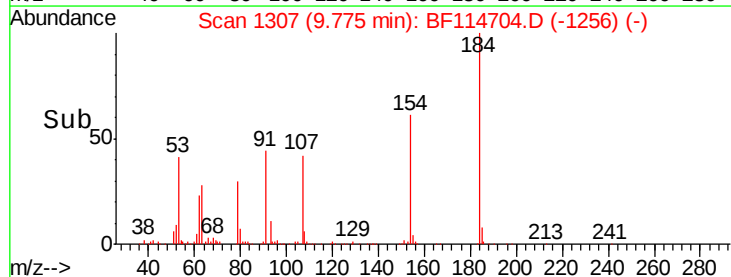
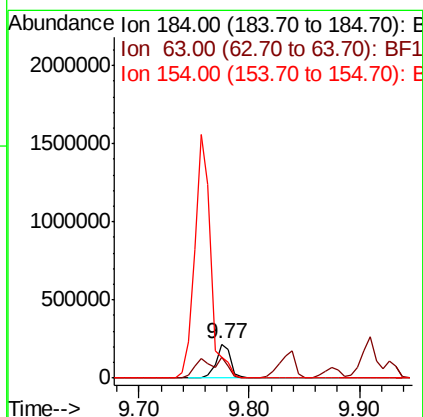
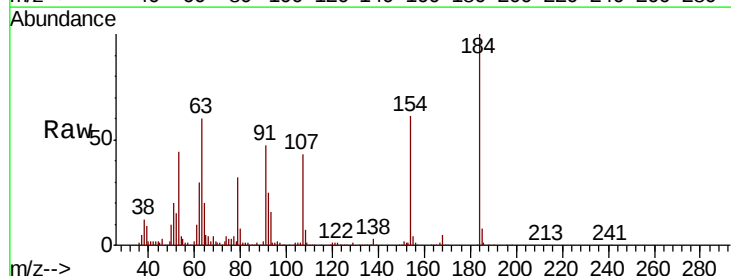
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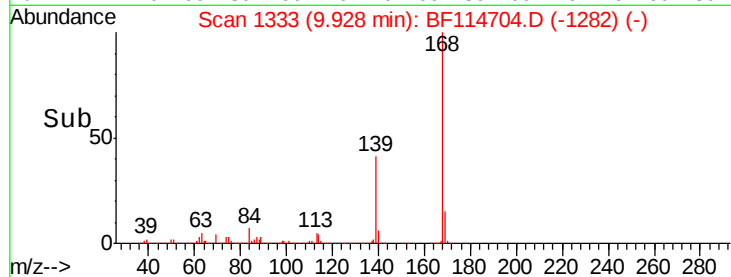
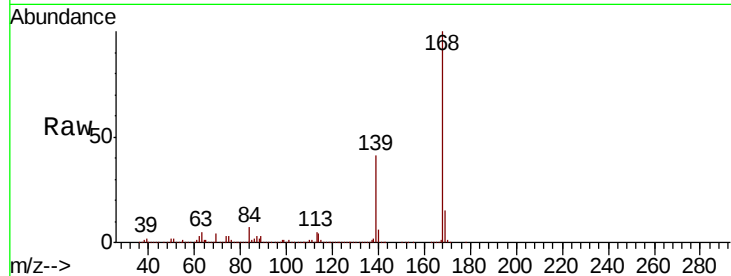
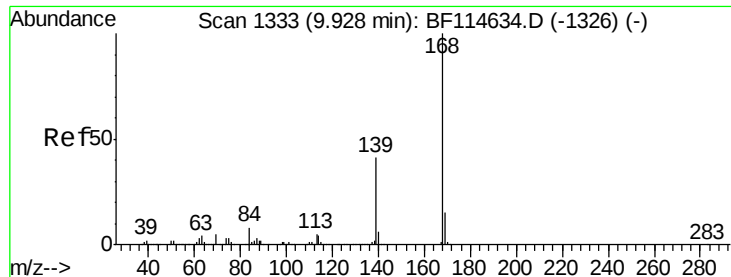
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#54
2,4-Dinitrophenol
Concen: 52.338 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.3	38.8	58.2#
154	60.9	43.7	65.5





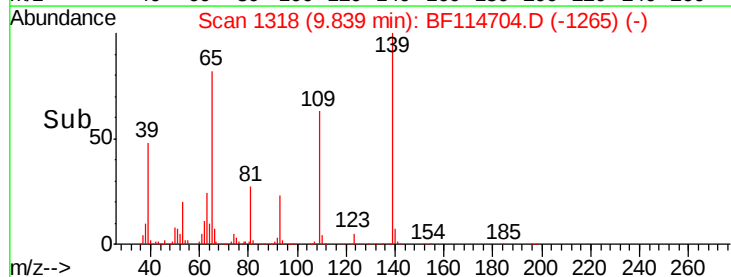
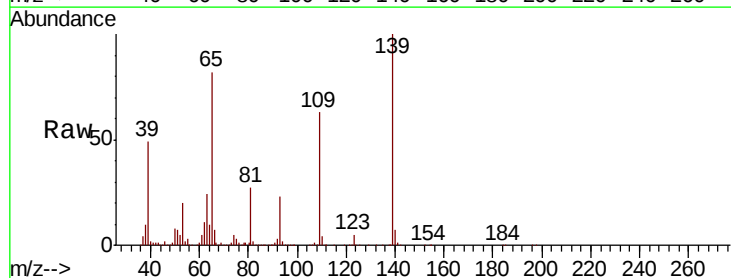
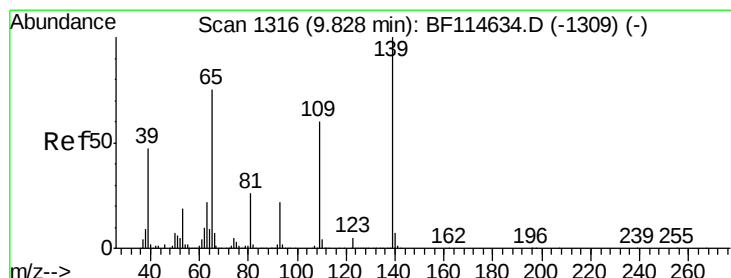
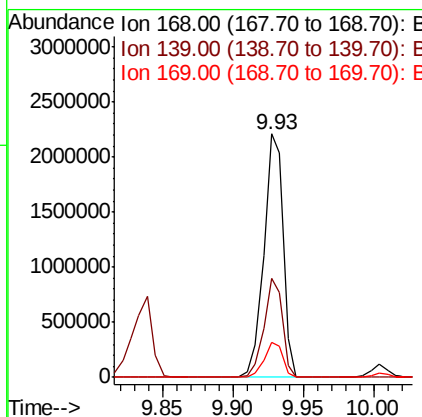
#55
Dibenzofuran
Concen: 44.165 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.5	32.6	48.8
169	14.6	11.8	17.8

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

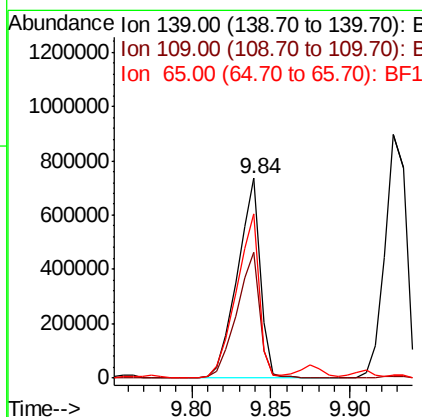
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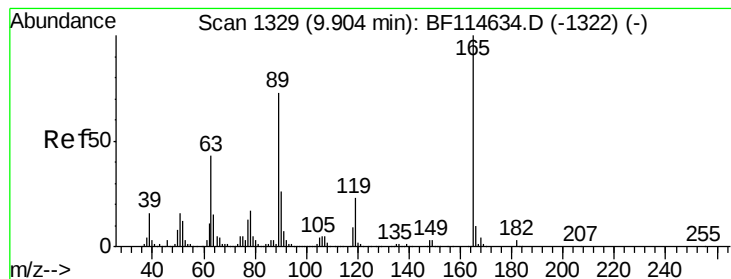
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#56
4-Nitrophenol
Concen: 85.273 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
139	100		
109	62.9	40.4	80.4
65	82.0	54.7	94.7





#57

2,4-Dinitrotoluene

Concen: 48.885 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.01 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

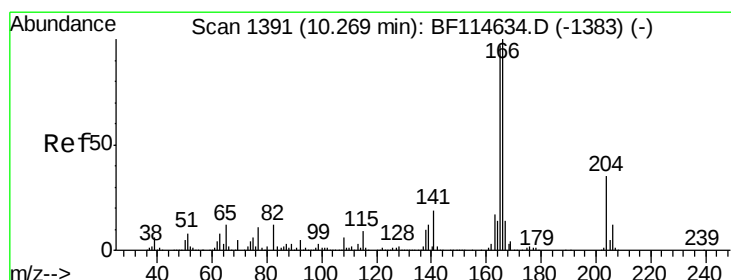
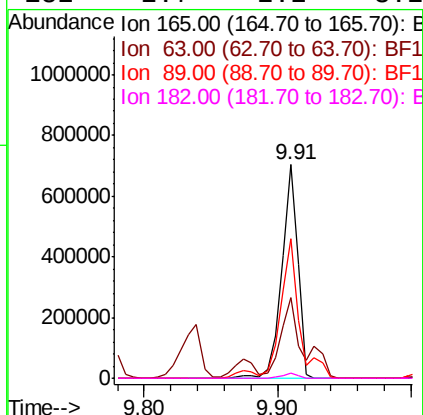
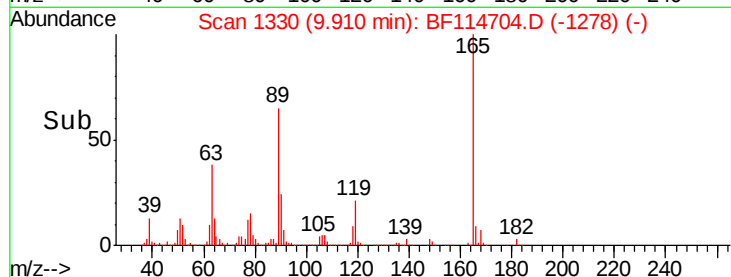
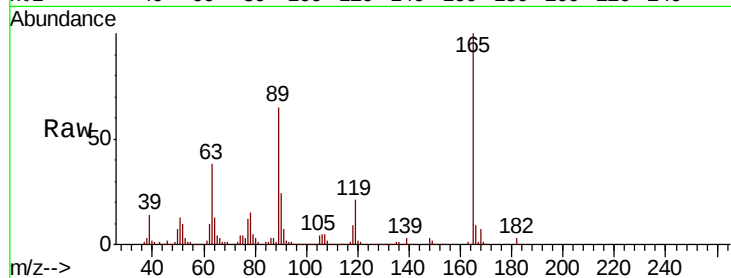
ClientSampleId :

SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	600134		
63	38.1		34.8	52.2
89	65.2		58.5	87.7
182	2.7		2.2	3.2

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#58

Fluorene

Concen: 48.226 ng

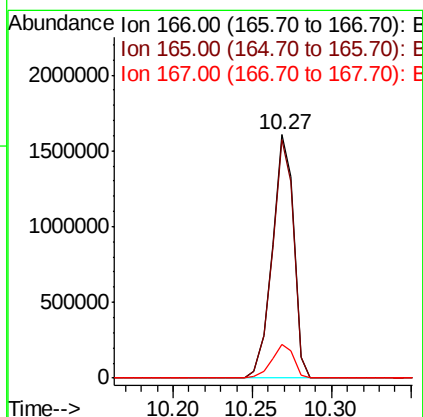
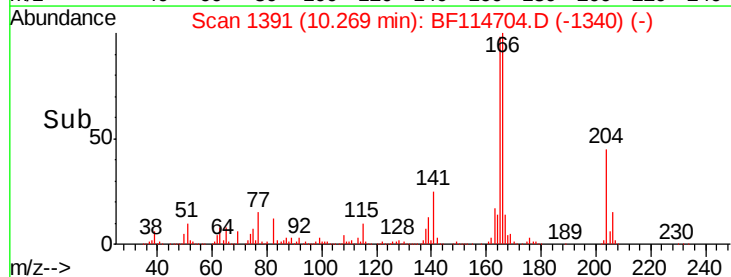
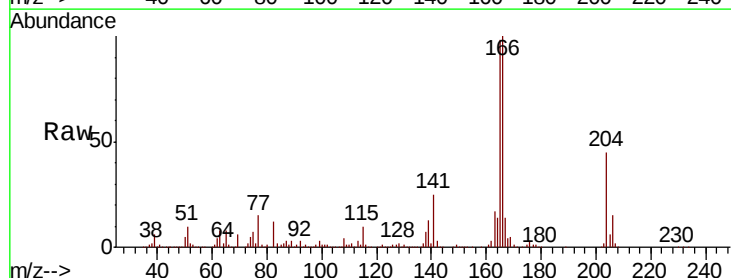
RT: 10.27 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1518296		
165	97.7		77.6	116.4
167	14.0		11.2	16.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 44.676 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

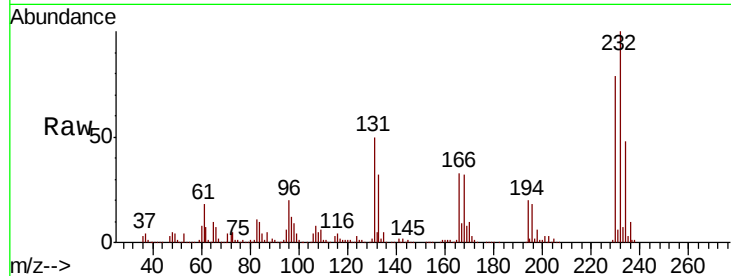
ClientSampleId :

SUP-2A-C-4-052019MSD

Tot Ion:	232	Resp:	451736
Ion Ratio	Lower	Upper	
232	100		
131	46.0	37.2	55.8
130	2.2	1.8	2.8
166	30.6	24.8	37.2

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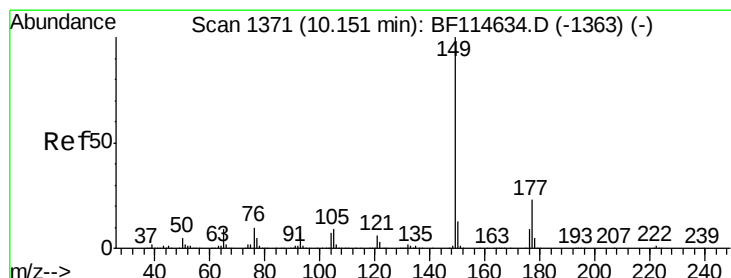
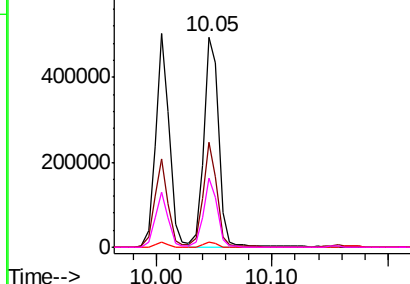
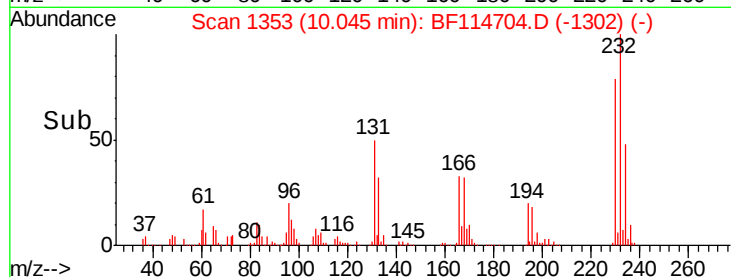
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 44.116 ng

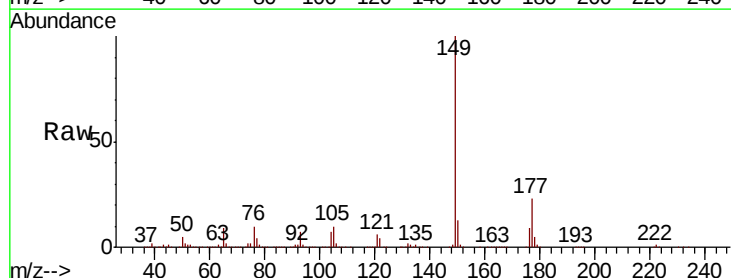
RT: 10.15 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tgt Ion:	149	Resp:	1854864
Ion Ratio	Lower	Upper	
149	100		
177	22.9	18.6	28.0
150	13.2	10.6	15.8

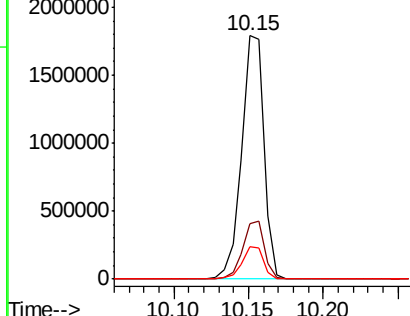
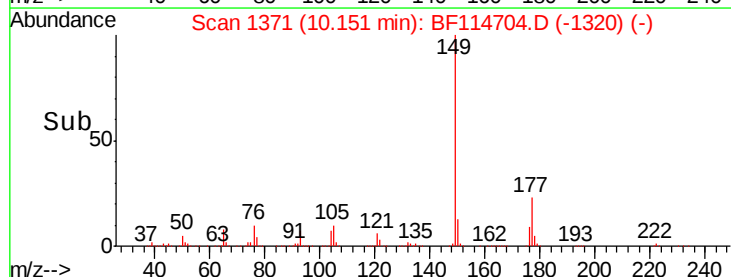


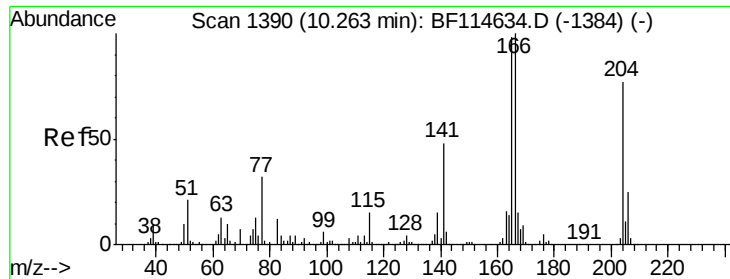
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





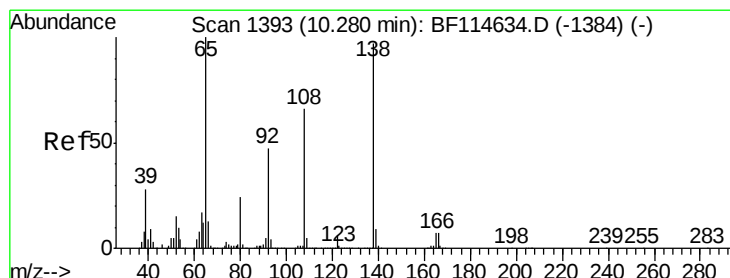
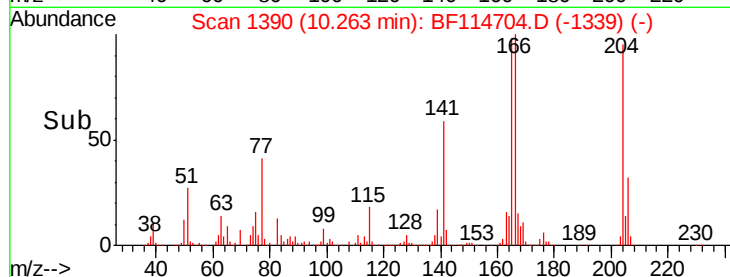
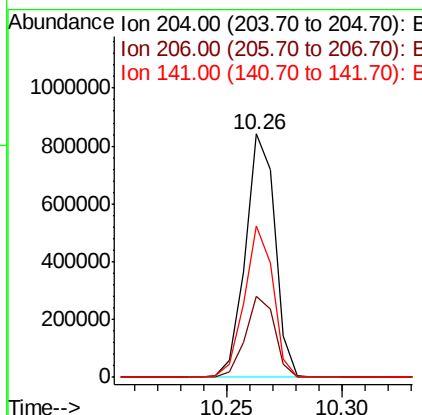
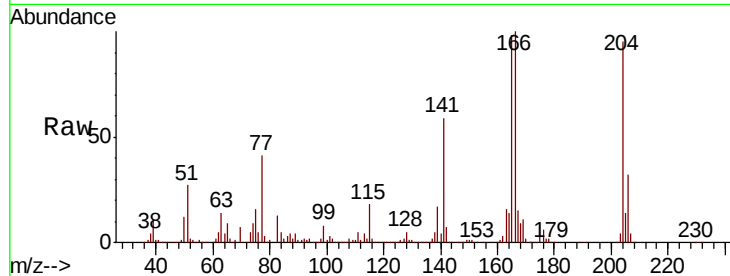
#61
4-Chlorophenyl-phenylether
Concen: 47.251 ng
RT: 10.26 min Scan# 1390
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	62.2	50.0	75.0

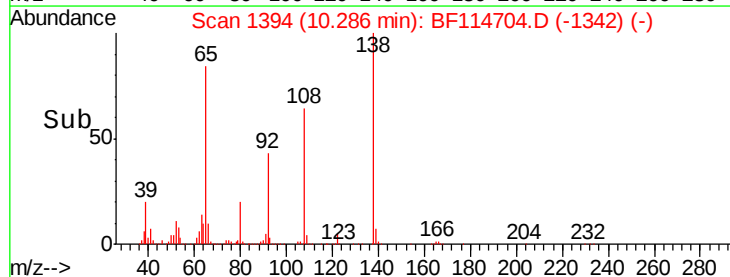
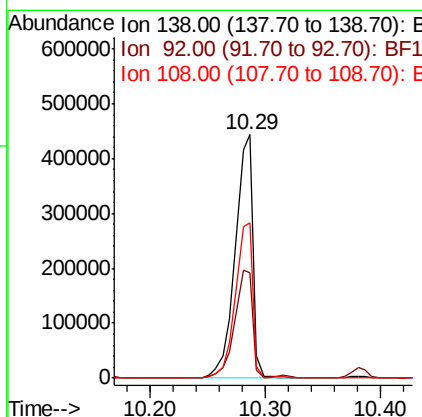
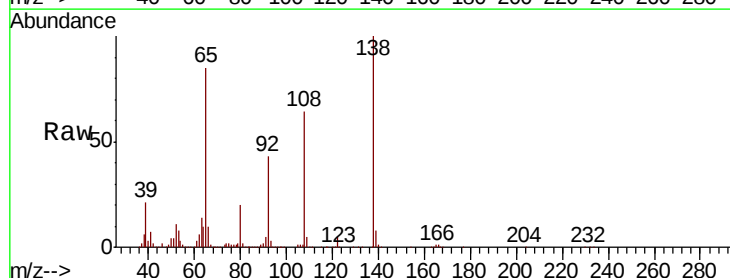
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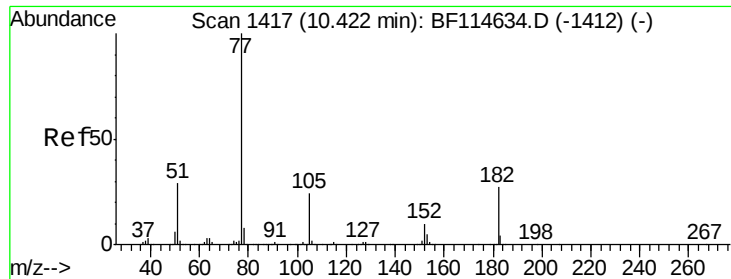
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#62
4-Nitroaniline
Concen: 41.245 ng
RT: 10.29 min Scan# 1394
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
138	100		
92	43.4	28.0	68.0
108	63.9	48.4	88.4





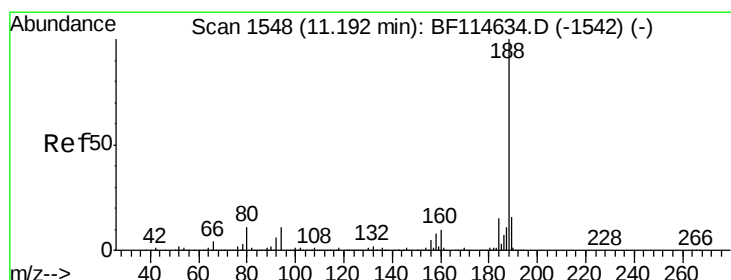
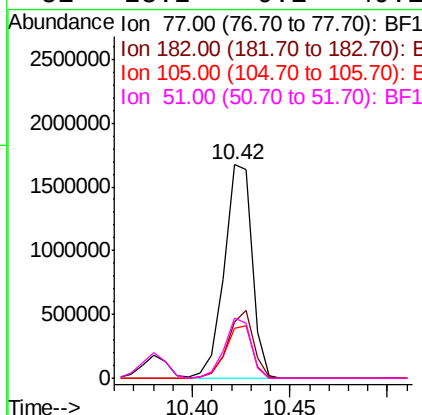
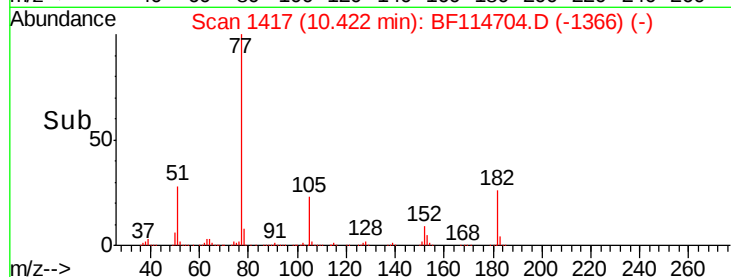
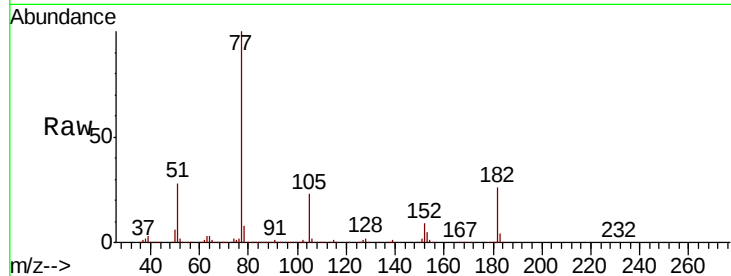
#63
Azobenzene
Concen: 42.787 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	26.3	7.0	47.0	
105	23.3	3.7	43.7	
51	28.2	9.1	49.1	

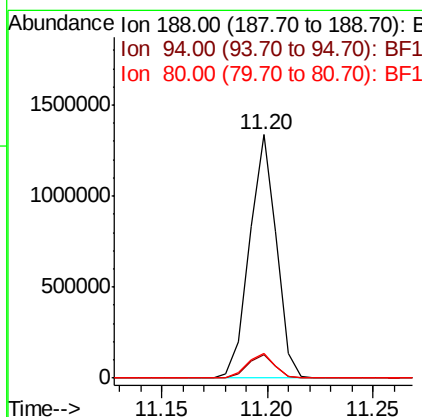
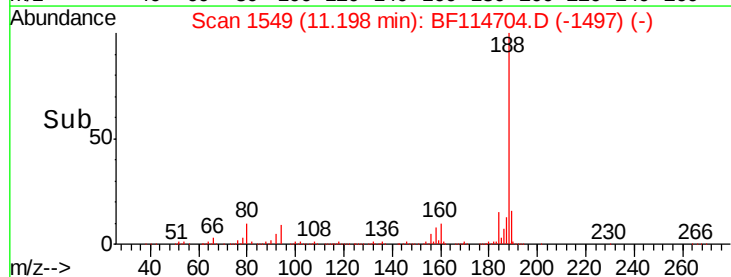
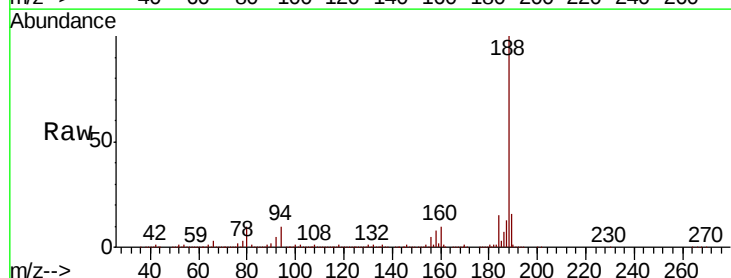
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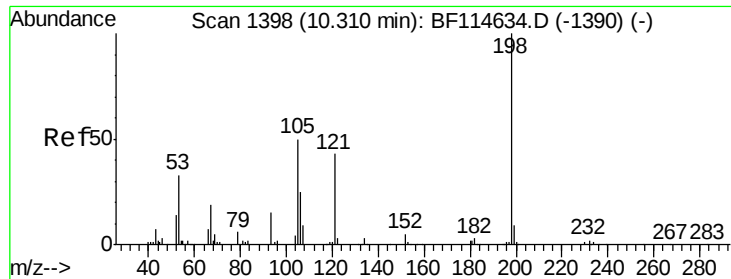
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.8	8.6	13.0	
80	10.2	9.0	13.6	





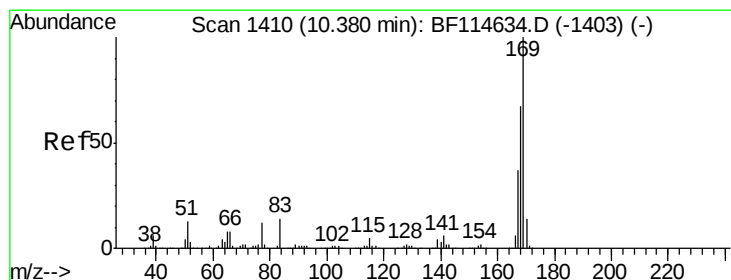
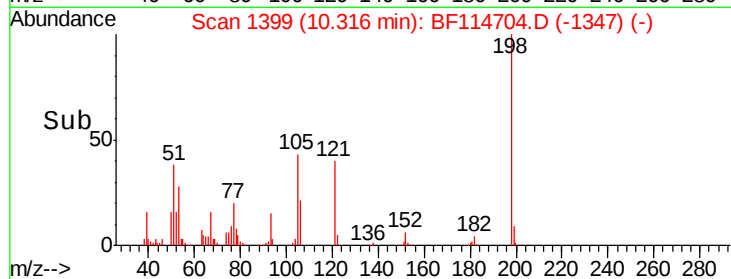
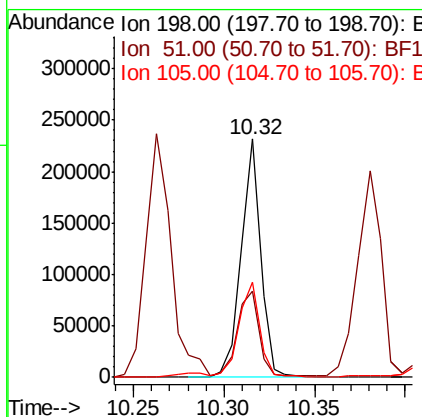
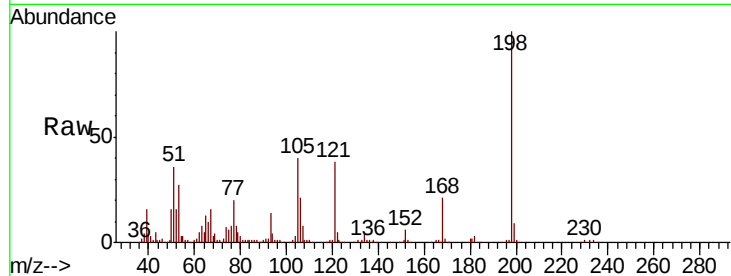
#65
4,6-Dinitro-2-methylphenol
Concen: 33.553 ng
RT: 10.32 min Scan# 1399
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	175516		
51	36.0	29.0	69.0	
105	39.8	30.4	70.4	

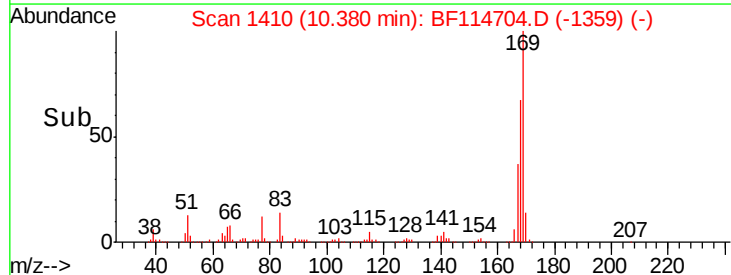
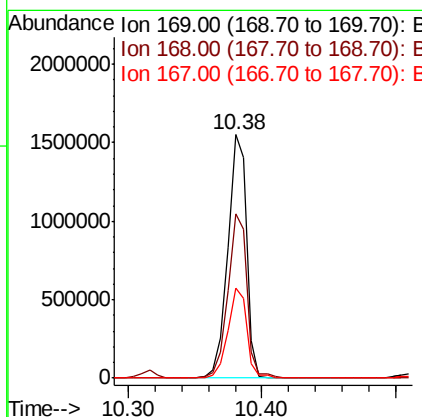
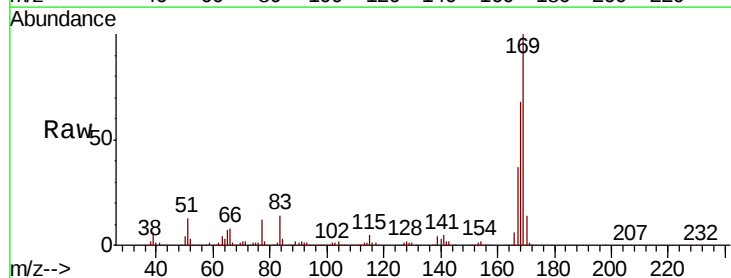
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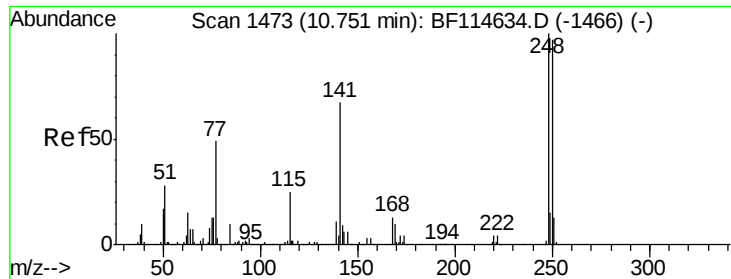
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 44.128 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1538086		
168	67.5	53.8	80.8	
167	36.7	29.8	44.6	





#67

4-Bromophenyl-phenylether

Concen: 41.978 ng

RT: 10.75 min Scan# 1473

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

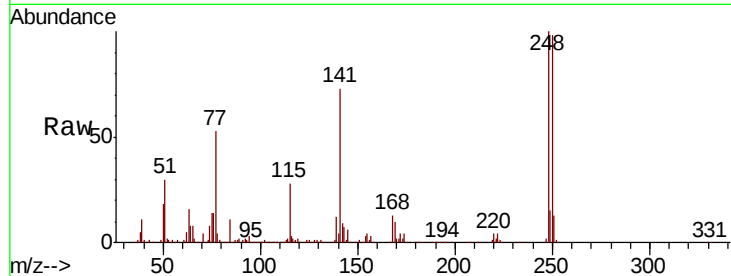
ClientSampleId :

SUP-2A-C-4-052019MSD

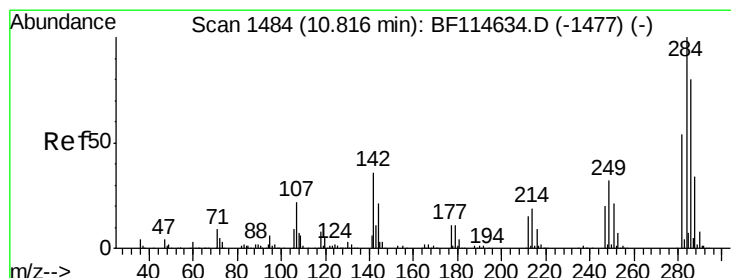
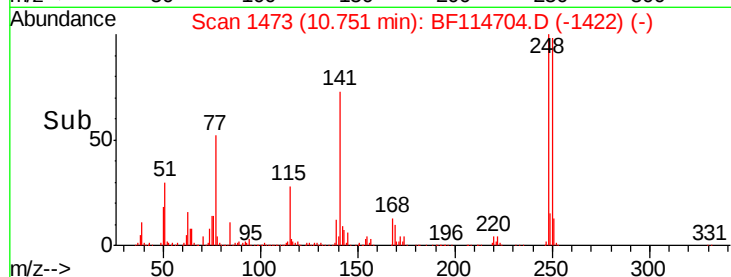
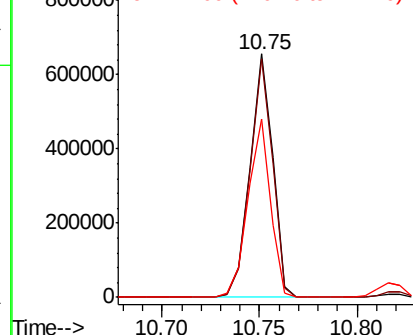
Tot Ion:	248	Resp:	531051
Ion Ratio	Lower	Upper	
248	100		
250	97.9	78.0	117.0
141	73.1	53.8	80.8

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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: 42.233 ng

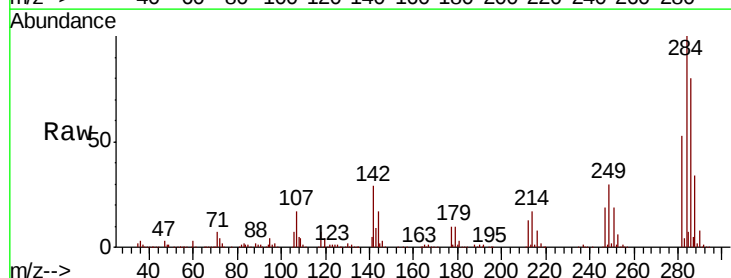
RT: 10.82 min Scan# 1485

Delta R.T. 0.01 min

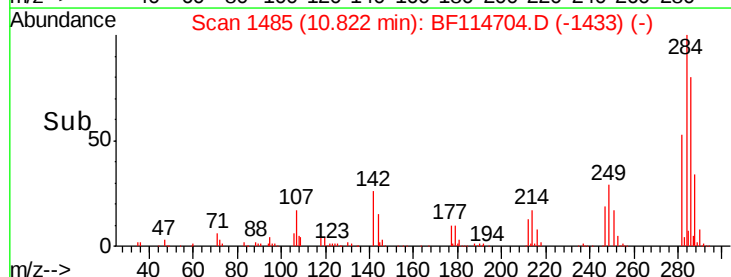
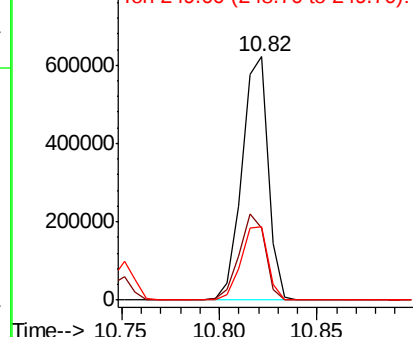
Lab File: BF114704.D

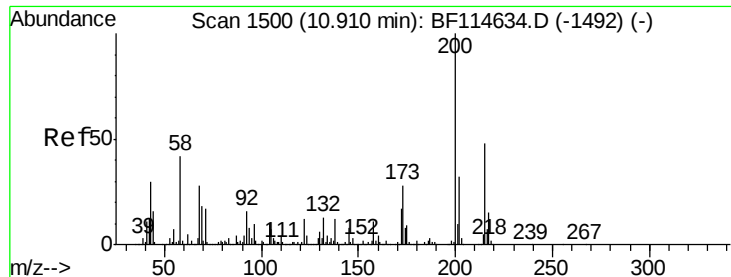
Acq: 31 May 2019 13:25

Tgt Ion:	284	Resp:	578691
Ion Ratio	Lower	Upper	
284	100		
142	29.5	28.9	43.3
249	30.1	25.8	38.6



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





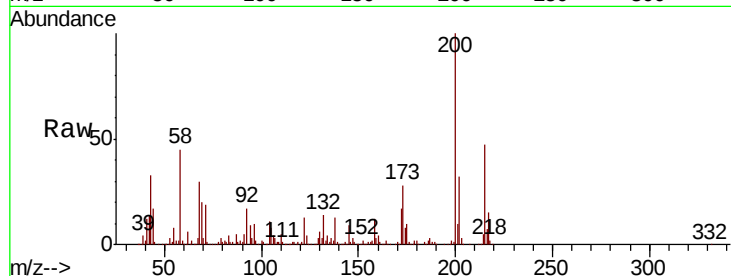
#69
Atrazine
Concen: 49.985 ng
RT: 10.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.4	7.9	47.9
215	47.4	27.8	67.8

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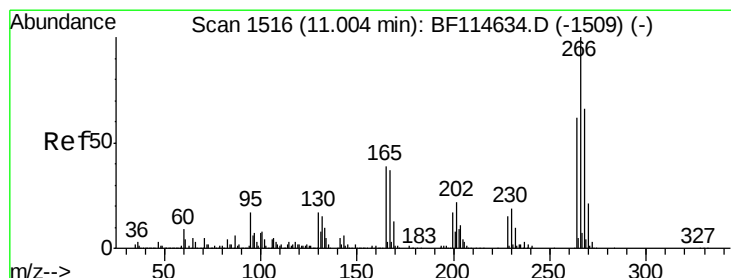
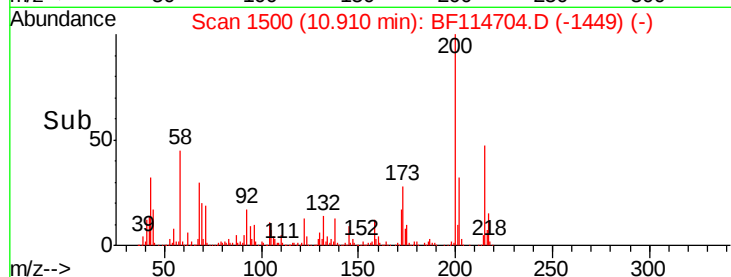
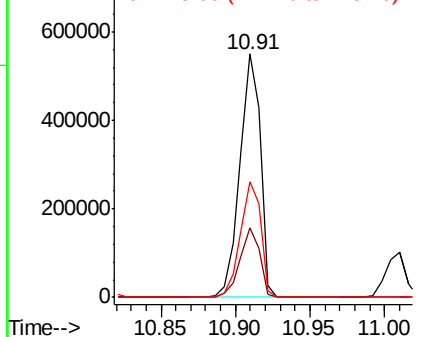


Abundance

Ion 200.00 (199.70 to 200.70): E

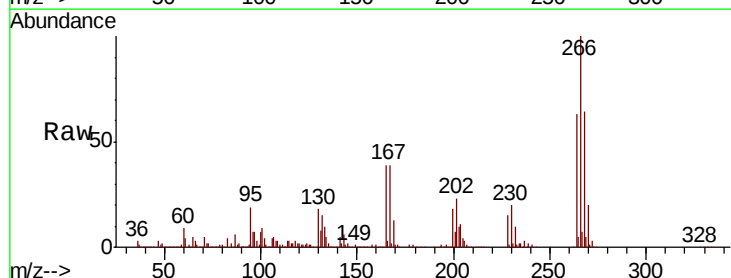
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 67.949 ng
RT: 11.01 min Scan# 1517
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.6	52.8	79.2
264	63.0	49.9	74.9

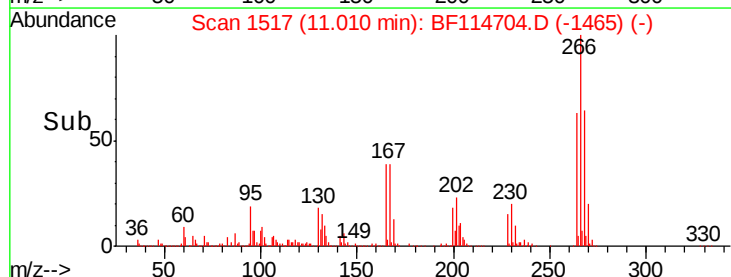
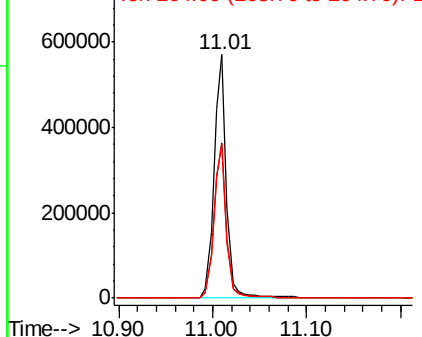


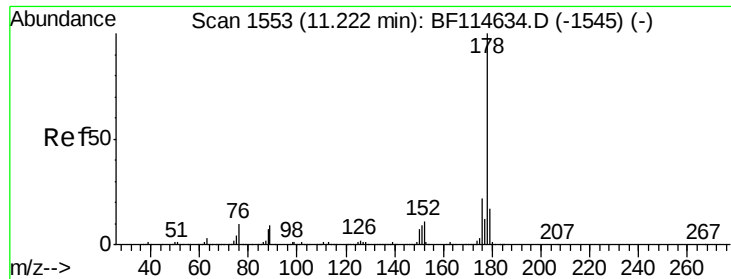
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 42.488 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

ClientSampleId :

SUP-2A-C-4-052019MSD

Tot Ion:178 Resp: 2556868

Ion Ratio Lower Upper

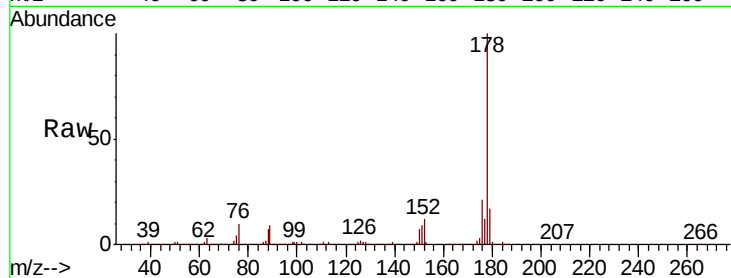
178 100

176 21.3 17.2 25.8

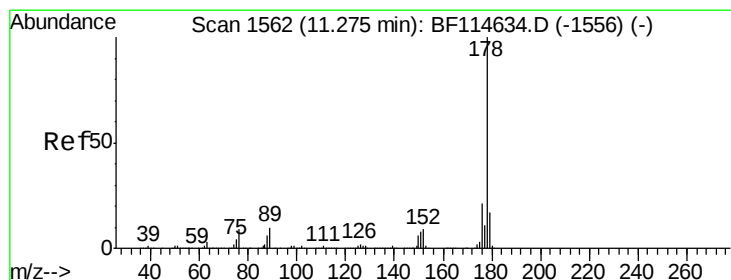
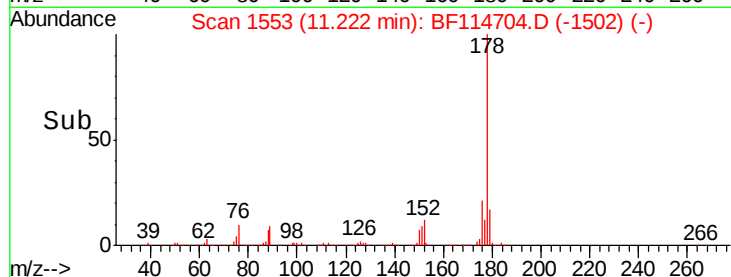
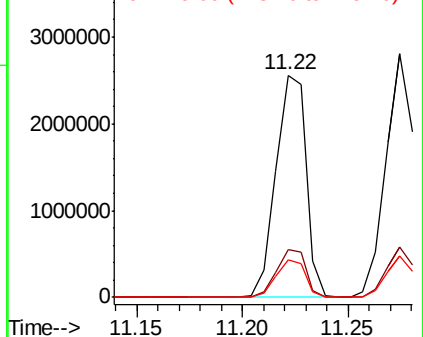
179 16.9 13.9 20.9

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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: 42.157 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tgt Ion:178 Resp: 2567623

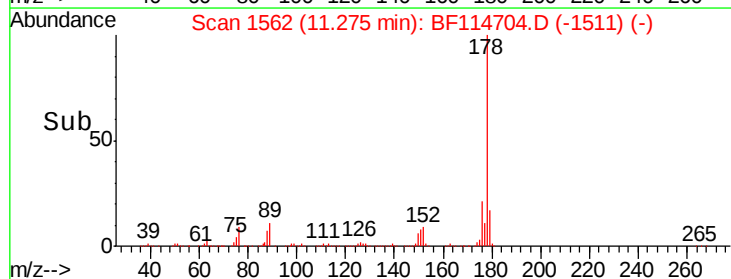
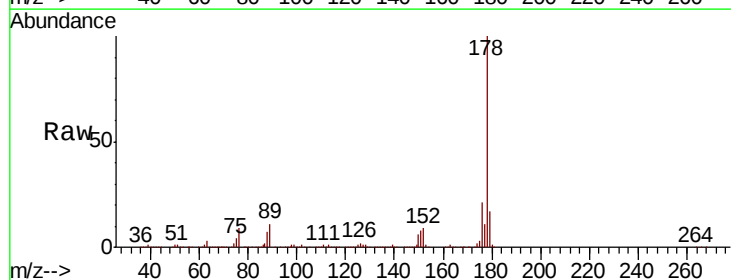
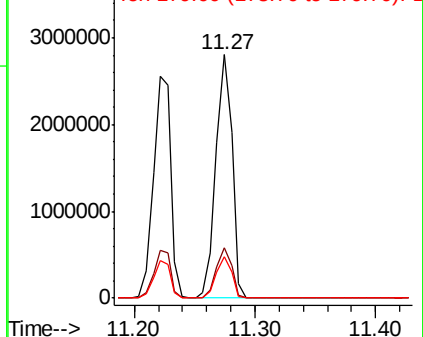
Ion Ratio Lower Upper

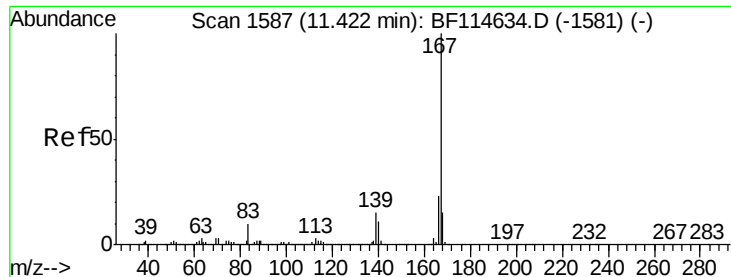
178 100

176 20.9 16.6 24.8

179 17.0 13.4 20.0

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





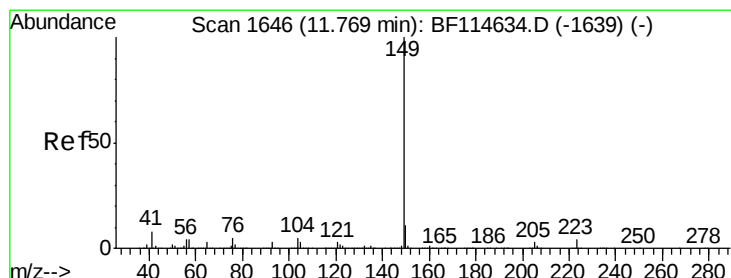
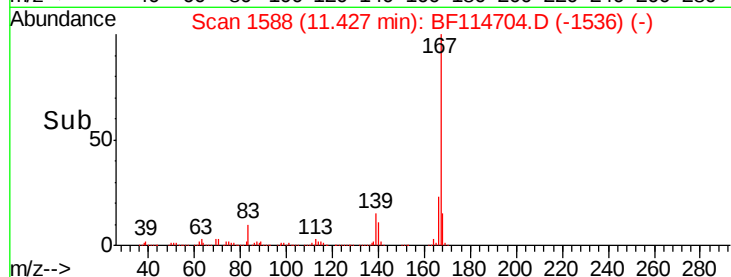
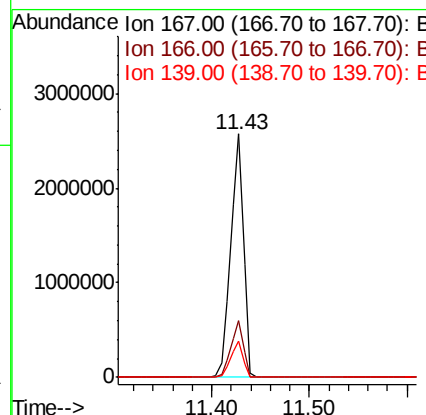
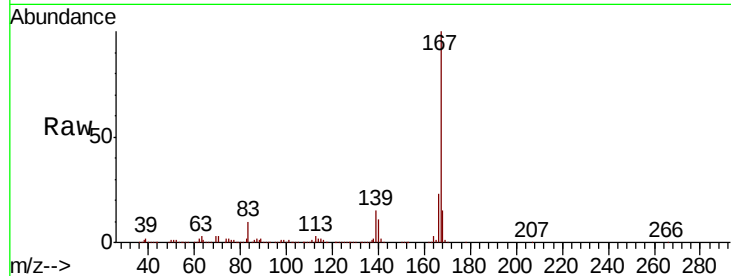
#73
 Carbazole
 Concen: 43.837 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.3	18.7	28.1
139	14.7	11.8	17.8

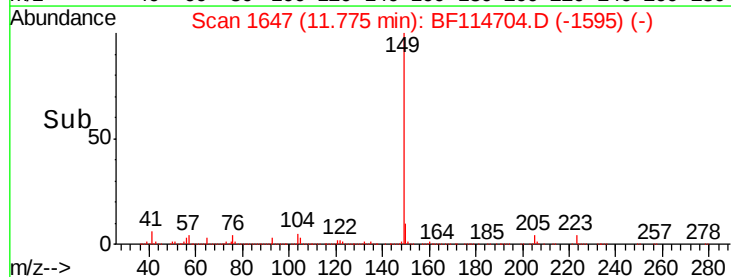
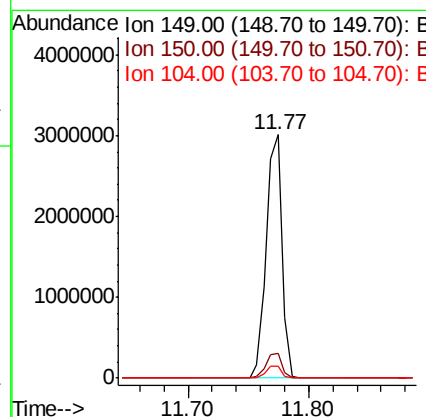
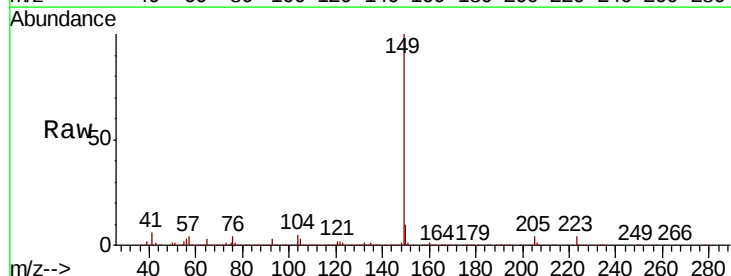
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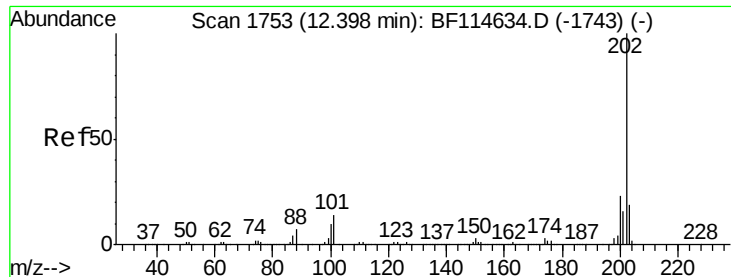
mohammad
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#74
 Di-n-butylphthalate
 Concen: 42.071 ng
 RT: 11.77 min Scan# 1647
 Delta R.T. 0.01 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	8.6	12.8
104	4.9	4.3	6.5





#75

Fluoranthene

Concen: 43.437 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

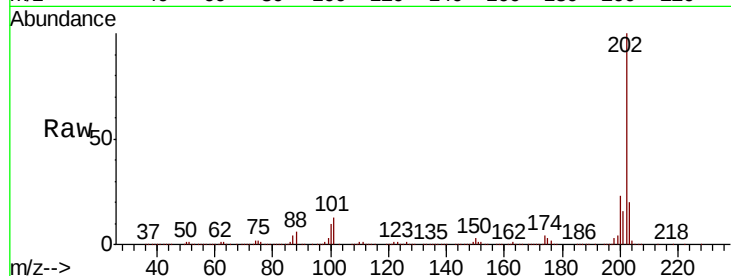
ClientSampleId :

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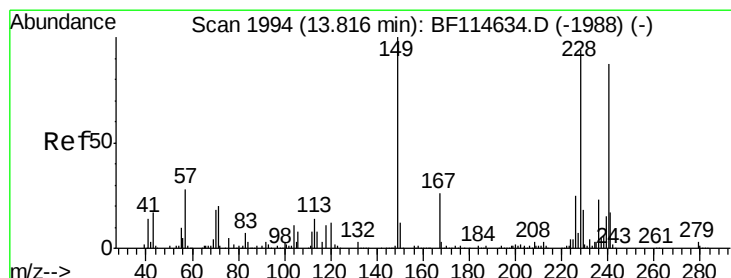
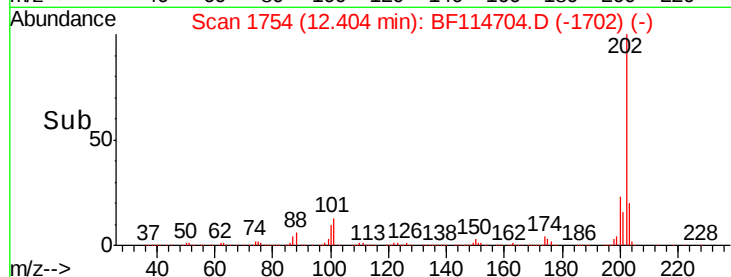
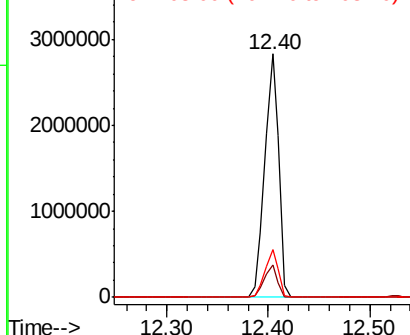
Tot Ion:	202	Resp:	2706719
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	33.9
203	19.5	0.0	39.1

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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

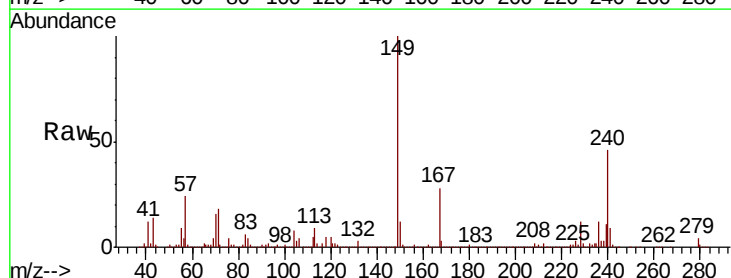
RT: 13.83 min Scan# 1996

Delta R.T. 0.01 min

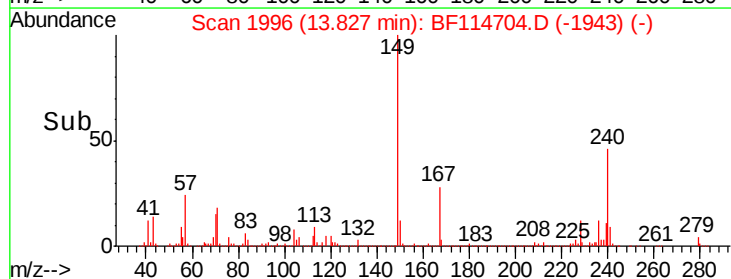
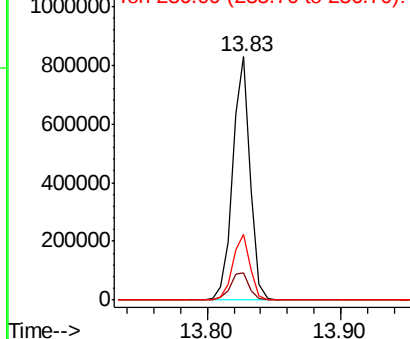
Lab File: BF114704.D

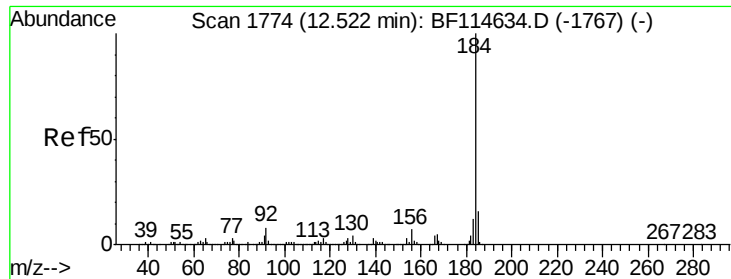
Acq: 31 May 2019 13:25

Tgt Ion:	240	Resp:	757781
Ion Ratio	Lower	Upper	
240	100		
120	11.0	11.2	16.8#
236	26.9	21.2	31.8



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: 13.485 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

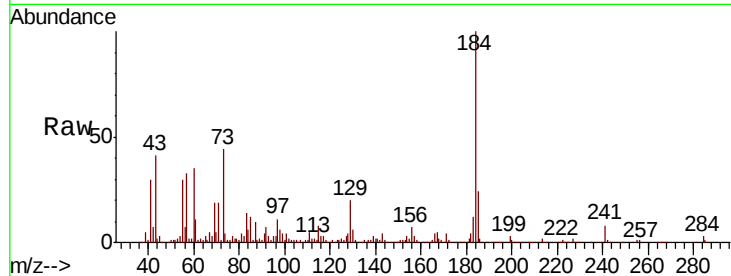
ClientSampleId :

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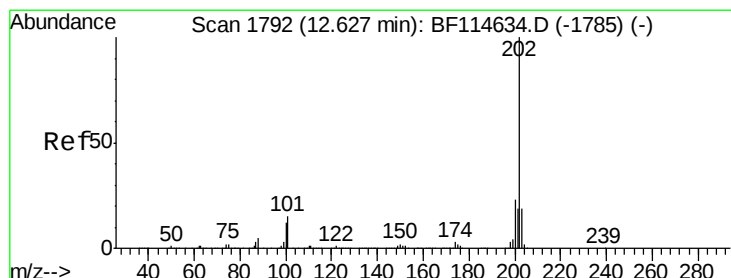
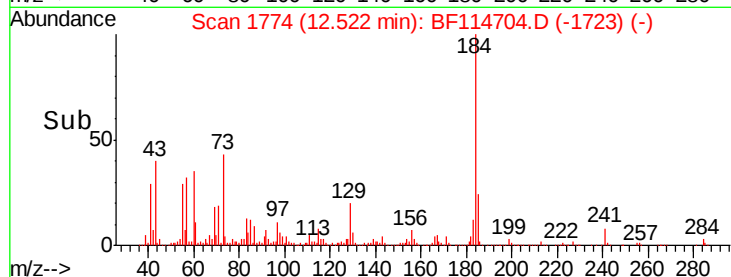
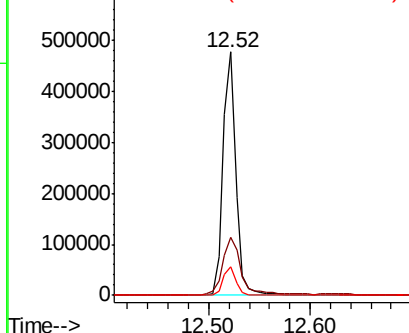
Tot Ion:	184	Resp:	420775
Ion Ratio	Lower	Upper	
184	100		
185	23.6	12.6	18.8#
183	11.6	9.4	14.2

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



#78

Pyrene

Concen: 42.391 ng

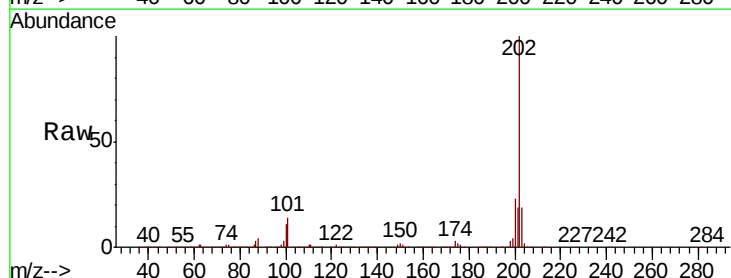
RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

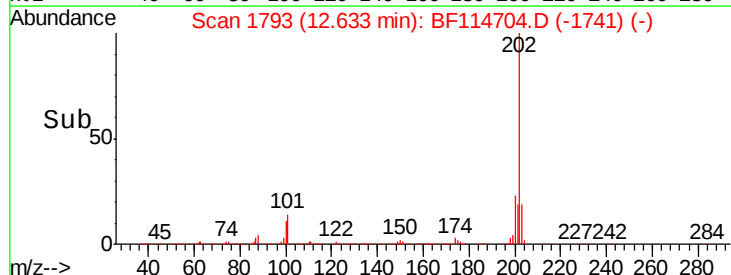
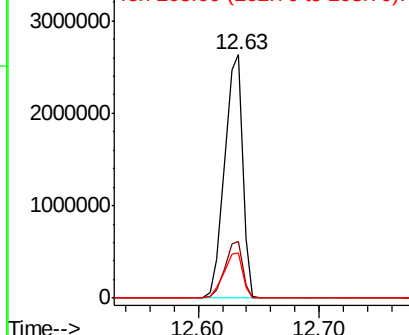
Lab File: BF114704.D

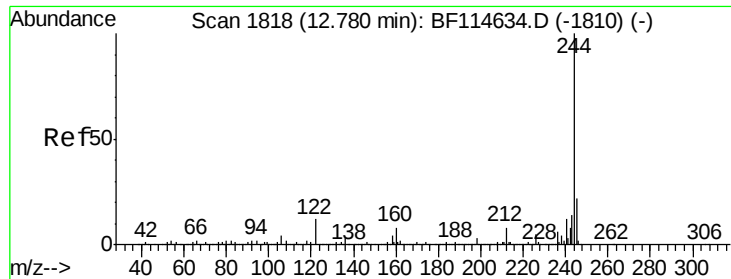
Acq: 31 May 2019 13:25

Tgt Ion:	202	Resp:	2717395
Ion Ratio	Lower	Upper	
202	100		
200	23.2	18.6	28.0
203	18.8	15.4	23.2



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





#79

Terphenyl-d14

Concen: 83.625 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:244 Resp: 3370451

Ion Ratio Lower Upper

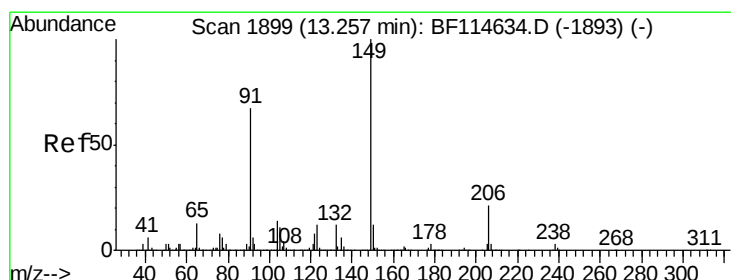
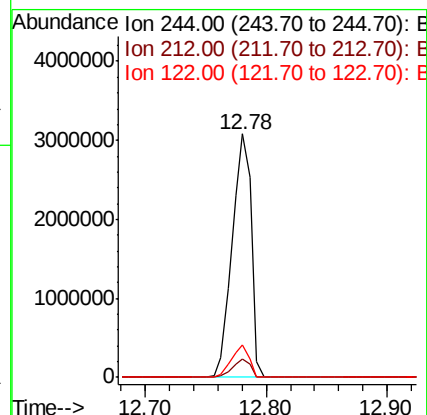
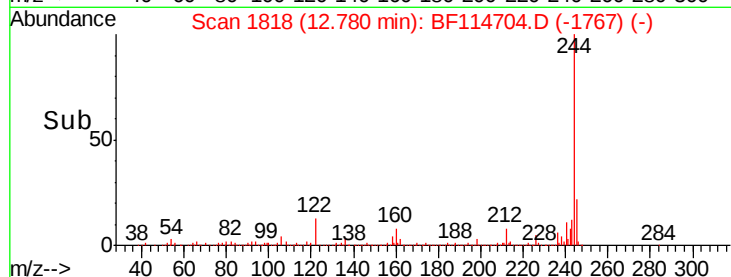
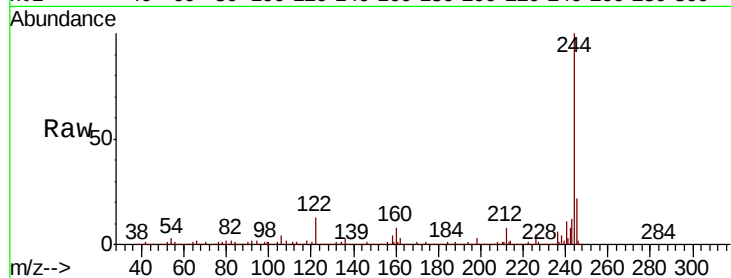
244 100

212 7.8 6.1 9.1

122 13.1 9.8 14.8

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#80

Butylbenzylphthalate

Concen: 41.304 ng

RT: 13.26 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

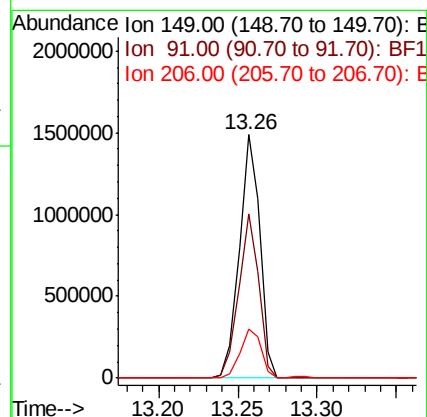
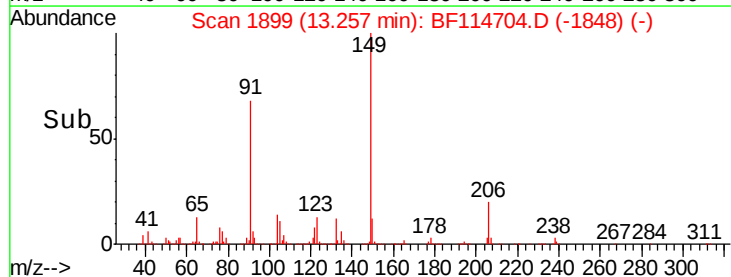
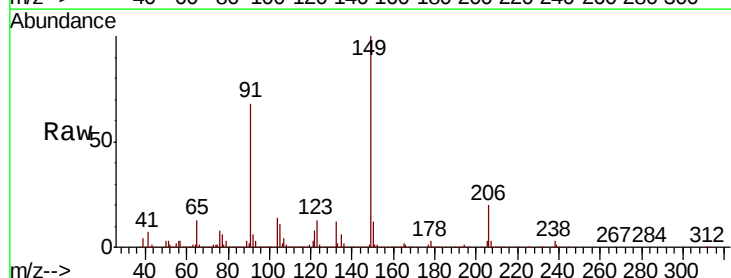
Tgt Ion:149 Resp: 1330645

Ion Ratio Lower Upper

149 100

91 67.7 53.8 80.8

206 20.3 16.9 25.3





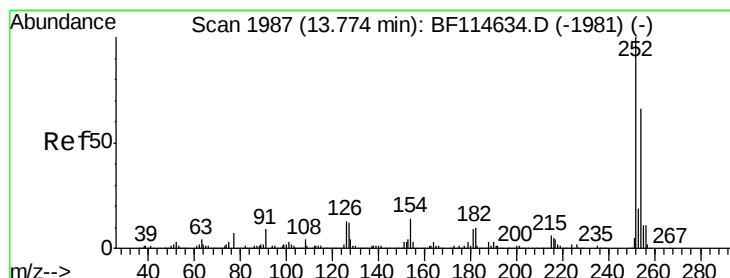
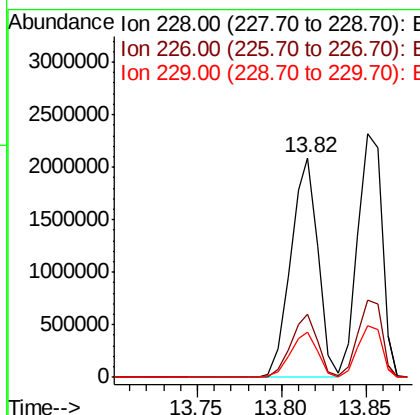
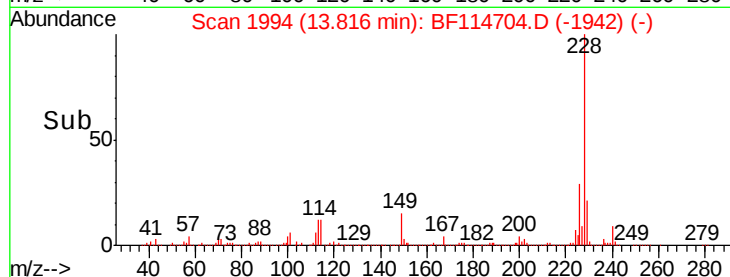
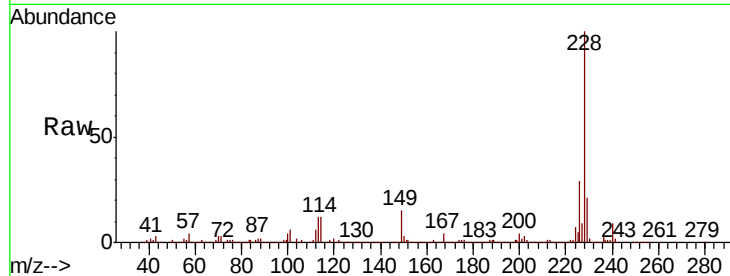
#81
Benzo(a)anthracene
Concen: 40.158 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.0	34.6
229	20.8	17.0	25.4

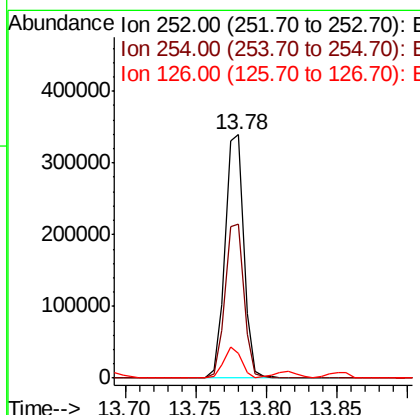
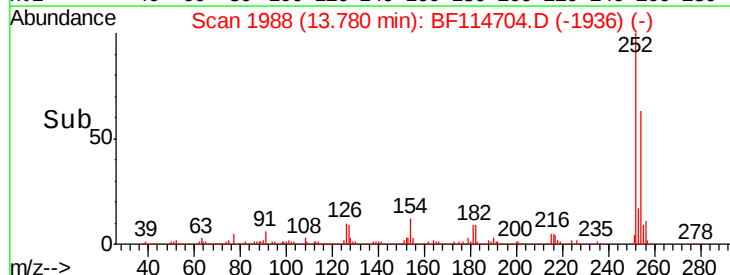
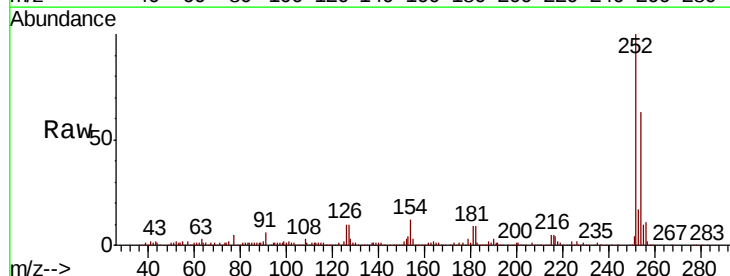
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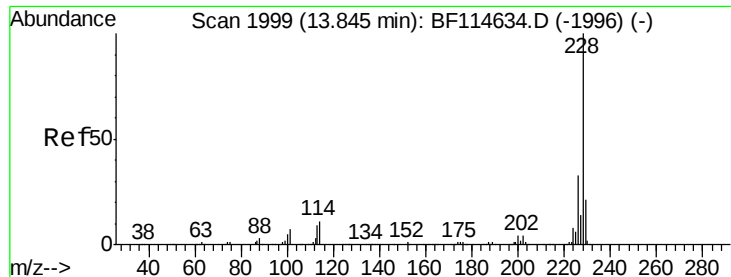
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#82
3,3'-Dichlorobenzidine
Concen: 14.077 ng
RT: 13.78 min Scan# 1988
Delta R.T. 0.01 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.2	53.1	79.7
126	10.1	10.2	15.2#





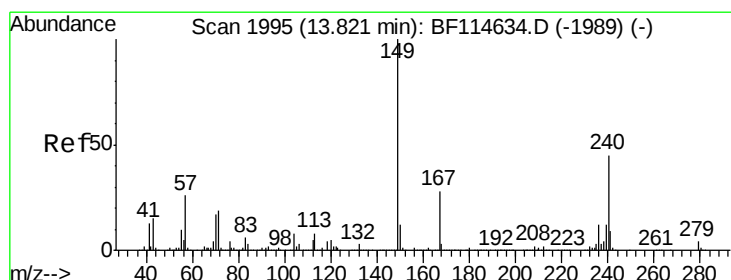
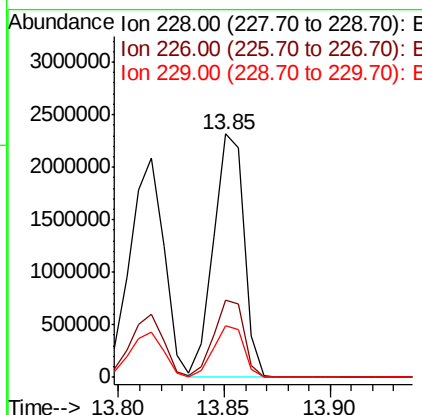
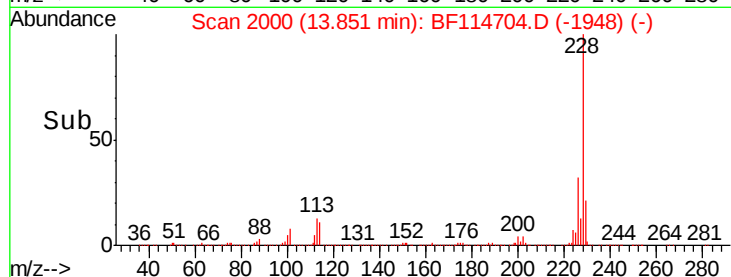
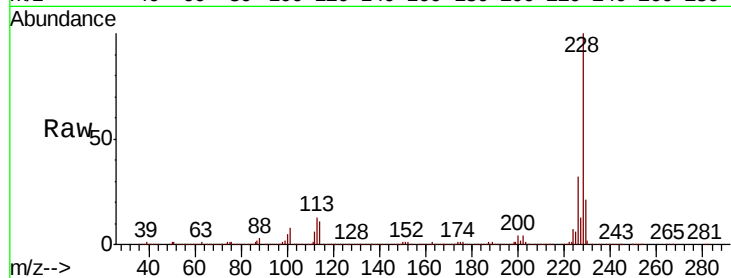
#83
 Chrysene
 Concen: 41.794 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. 0.01 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:228 Resp: 2325255
 Ion Ratio Lower Upper
 228 100
 226 31.8 26.4 39.6
 229 21.1 17.1 25.7

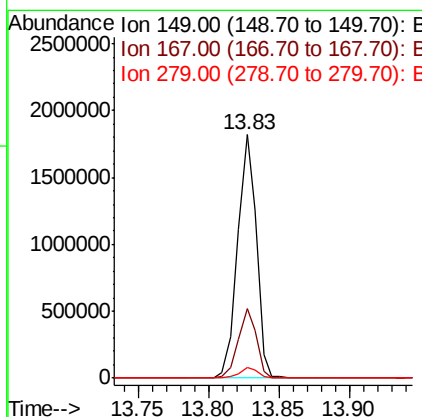
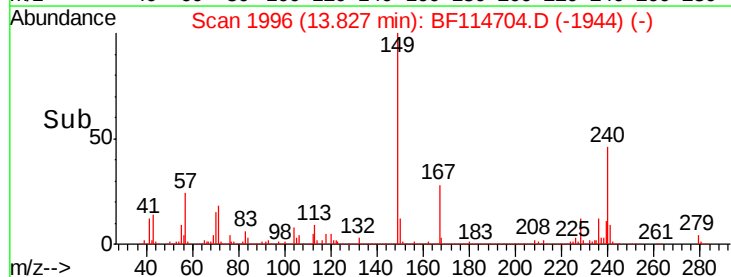
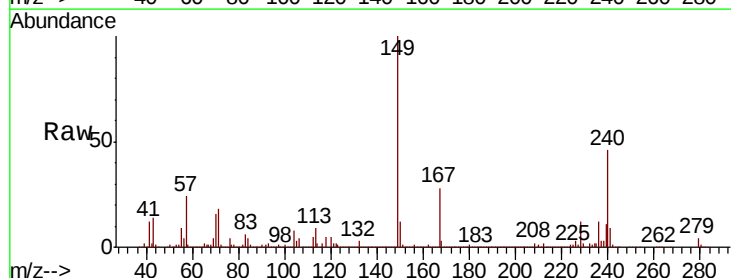
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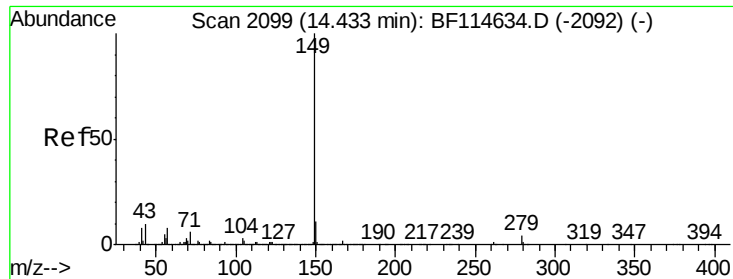
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.112 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. 0.01 min
 Lab File: BF114704.D
 Acq: 31 May 2019 13:25

Tgt Ion:149 Resp: 1677223
 Ion Ratio Lower Upper
 149 100
 167 28.5 22.6 33.8
 279 4.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 42.079 ng

RT: 14.45 min Scan# 2102

Delta R.T. 0.02 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

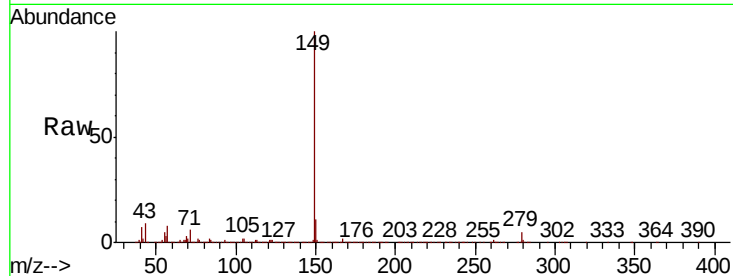
ClientSampleId :

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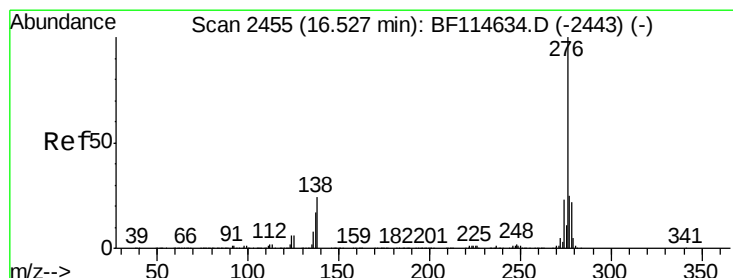
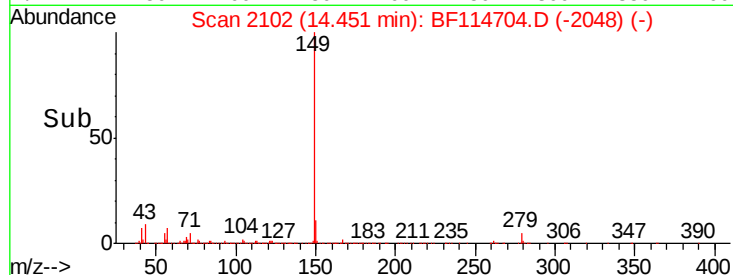
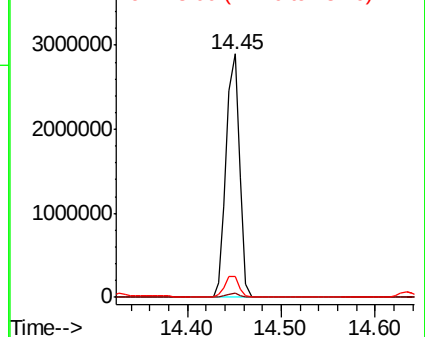
Tot Ion:	149	Resp:	2911801
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	8.0	12.0

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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: 42.031 ng

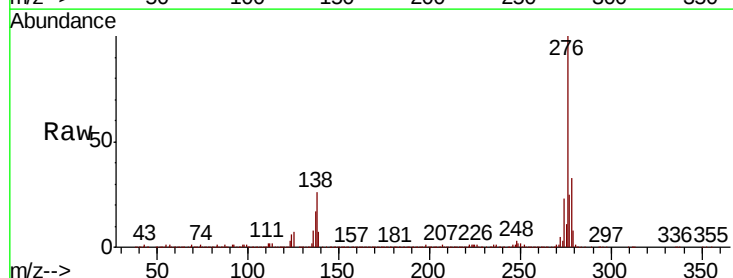
RT: 16.57 min Scan# 2462

Delta R.T. 0.04 min

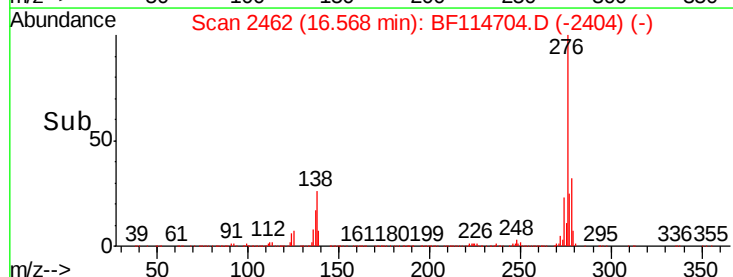
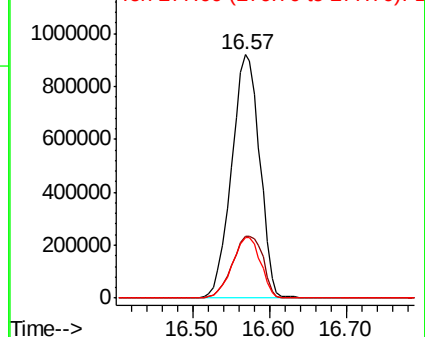
Lab File: BF114704.D

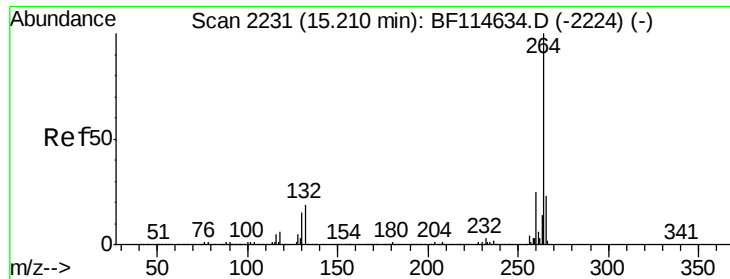
Acq: 31 May 2019 13:25

Tgt Ion:	276	Resp:	2342092
Ion	Ratio	Lower	Upper
276	100		
138	27.8	23.0	34.6
277	25.4	20.5	30.7



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. 0.02 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

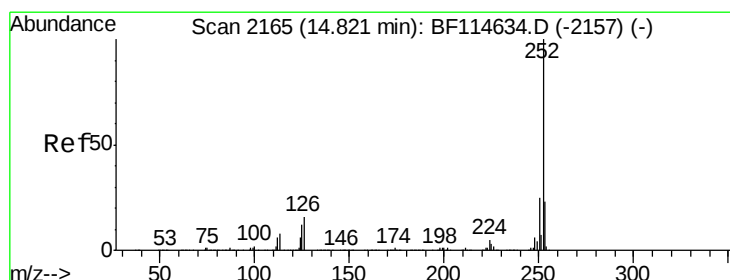
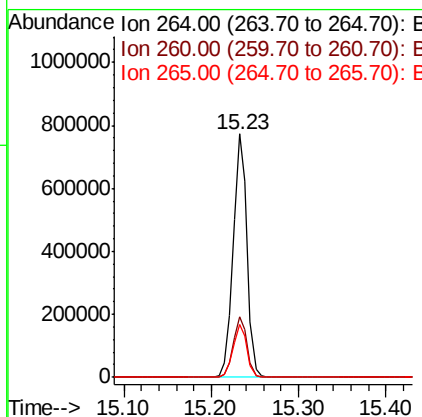
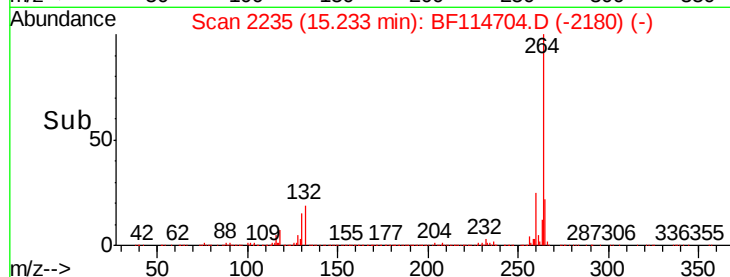
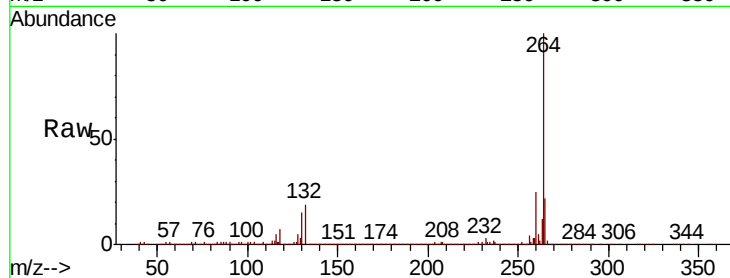
ClientSampleId :

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Tot Ion:	264	Resp:	836575
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.7	29.5
265	21.7	18.1	27.1

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#88

Benzo(b)fluoranthene

Concen: 41.250 ng

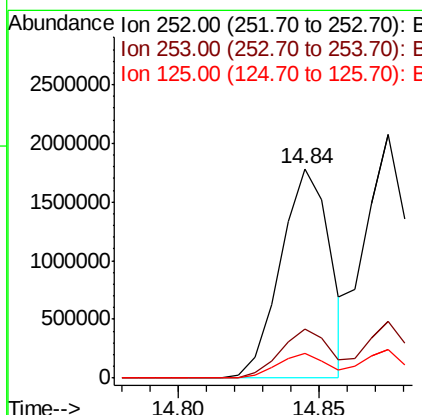
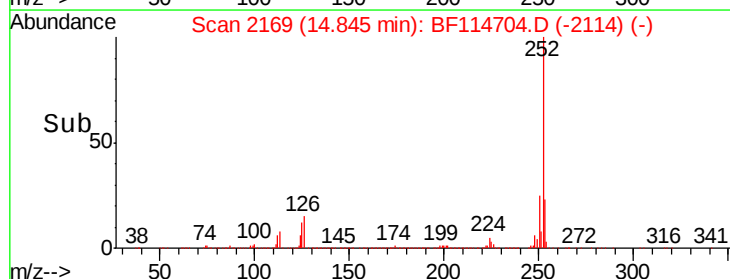
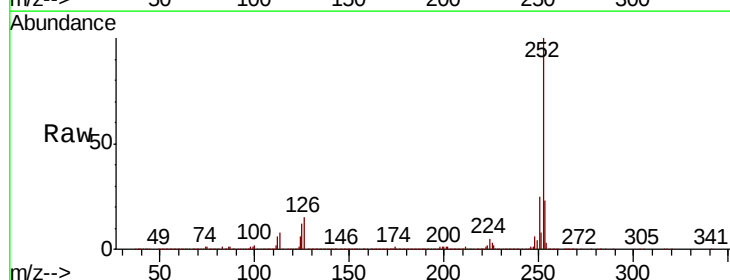
RT: 14.84 min Scan# 2169

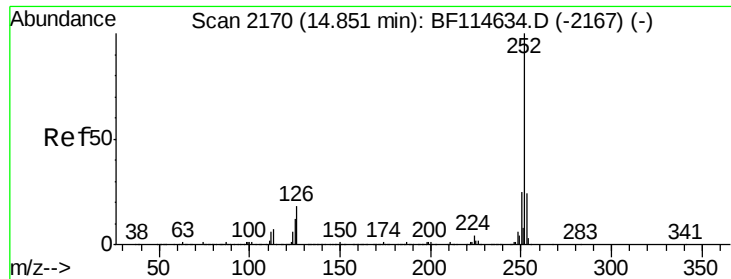
Delta R.T. 0.02 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tgt Ion:	252	Resp:	2173474
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.7	28.1
125	11.7	9.4	14.2





#89

Benzo(k)fluoranthene

Concen: 45.198 ng

RT: 14.87 min Scan# 2174

Delta R.T. 0.02 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Instrument :

BNA_F

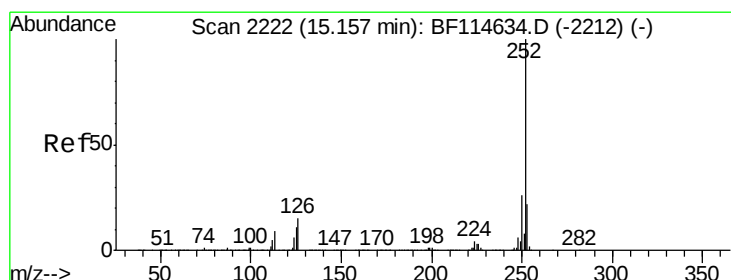
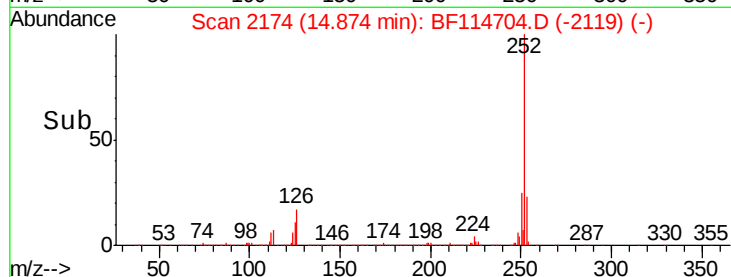
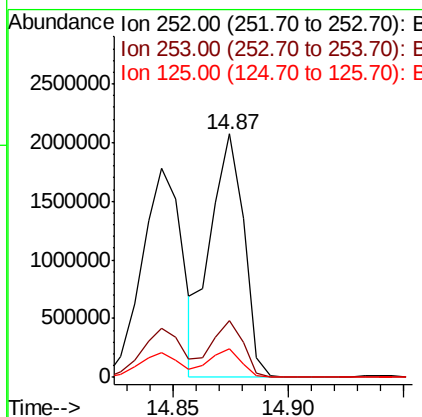
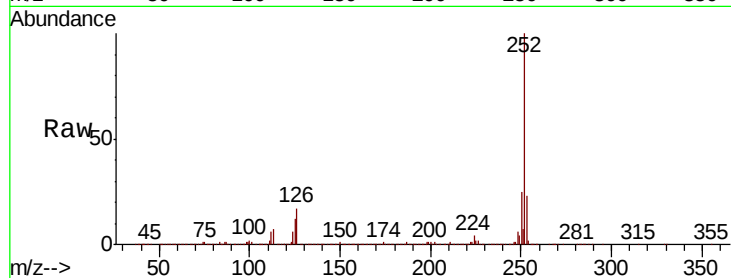
ClientSampleId :

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Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.3	18.9	28.3	
125	11.6	9.5	14.3	

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#90

Benzo(a)pyrene

Concen: 44.105 ng

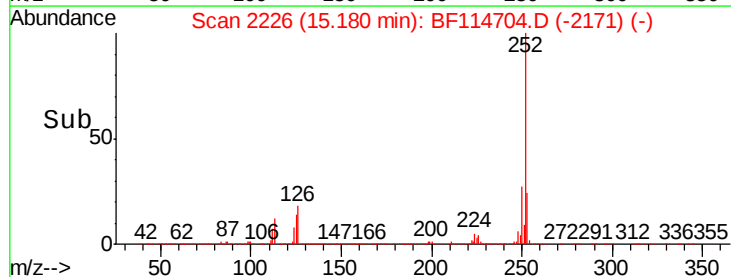
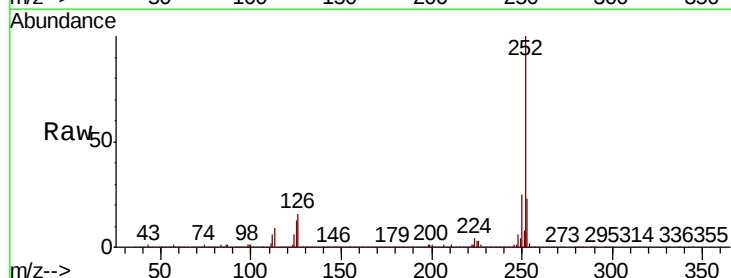
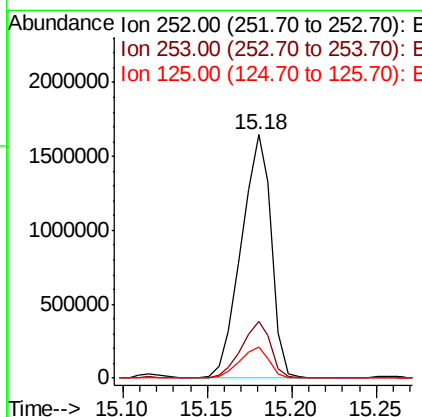
RT: 15.18 min Scan# 2226

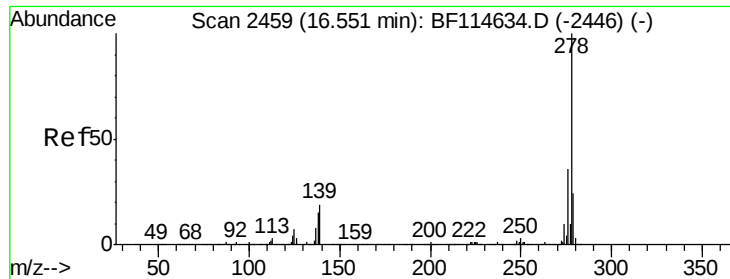
Delta R.T. 0.02 min

Lab File: BF114704.D

Acq: 31 May 2019 13:25

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.3	18.0	27.0	
125	12.5	9.2	13.8	





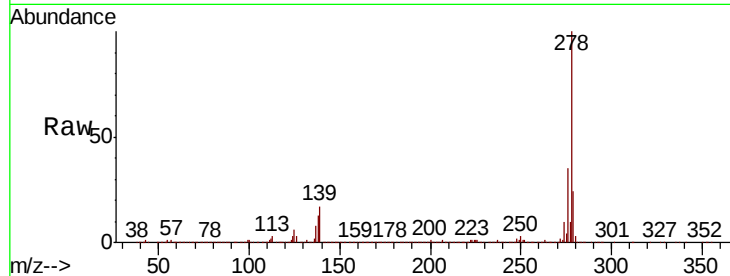
#91
Dibenzo(a,h)anthracene
Concen: 46.747 ng
RT: 16.59 min Scan# 2466
Delta R.T. 0.04 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.9	22.3
279	24.4	19.5	29.3

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:24 AM

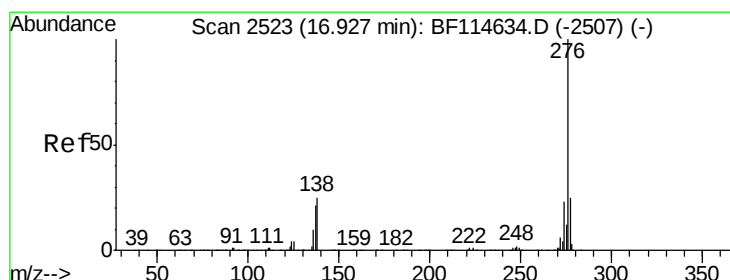
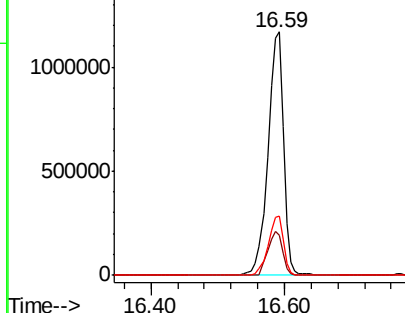
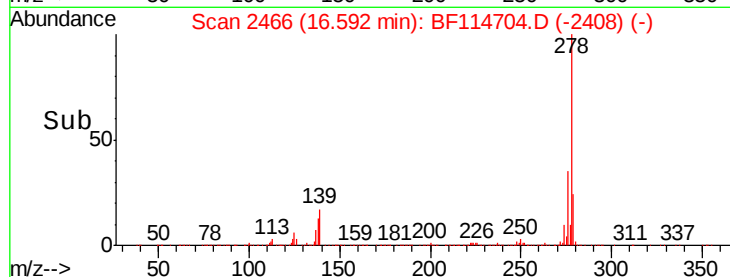


Abundance

Ion 278.00 (277.70 to 278.70): E

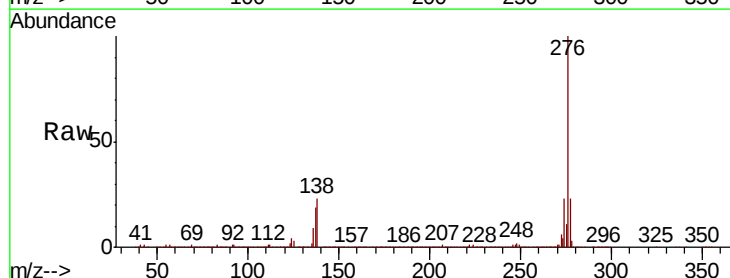
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 50.658 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.05 min
Lab File: BF114704.D
Acq: 31 May 2019 13:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.7	29.5
138	23.1	19.8	29.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

