

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111635.D
 Acq On : 20 Dec 2018 13:17
 Operator : JU/SJ
 Sample : J6481-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

Manual Integrations
 APPROVED

Sohil
 12/21/2018 2:46:36 PM

Quant Time: Dec 21 06:28:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	194767	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	729065	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	368047	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	633783	20.00	ng	0.00
76) Chrysene-d12	14.05	240	434943	20.00	ng	0.00
87) Perylene-d12	15.53	264	459347	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1519128	132.95	ng	0.01
7) Phenol-d6	6.53	99	1978977	136.09	ng	0.01
23) Nitrobenzene-d5	7.46	82	1240210	99.02	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	564775	129.87	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2178113	86.26	ng	0.00
79) Terphenyl-d14	13.00	244	1784011	77.79	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.76	88	192490	35.805	ng	98
3) Pyridine	3.52	79	523427	37.372	ng	95
4) n-Nitrosodimethylamine	3.45	42	321996	46.976	ng	83
6) Aniline	6.56	93	609377	32.875	ng	97
8) 2-Chlorophenol	6.69	128	569165	44.966	ng	100
9) Benzaldehyde	6.45	77	429307	42.925	ng	96
10) Phenol	6.55	94	799655	48.737	ng	98
11) bis(2-Chloroethyl)ether	6.63	93	529130	43.036	ng	98
12) 1,3-Dichlorobenzene	6.84	146	616458	42.025	ng	99
13) 1,4-Dichlorobenzene	6.92	146	632119	42.491	ng	97
14) 1,2-Dichlorobenzene	7.07	146	595467	42.902	ng	97
15) Benzyl Alcohol	7.03	79	524718	45.434	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.17	45	936154	41.341	ng	99
17) 2-Methylphenol	7.15	107	470769	46.449	ng	96
18) Hexachloroethane	7.42	117	215148	42.917	ng	# 87
19) n-Nitroso-di-n-propylamine	7.31	70	414325	42.902	ng	97
20) 3+4-Methylphenols	7.30	107	582601	45.492	ng	92
22) Acetophenone	7.30	105	767819	41.571	ng	# 94
24) Nitrobenzene	7.47	77	613531	46.736	ng	97
25) Isophorone	7.72	82	1091968	49.109	ng	97
26) 2-Nitrophenol	7.79	139	290137	54.495	ng	95
27) 2,4-Dimethylphenol	7.83	122	499091	47.554	ng	94
28) bis(2-Chloroethoxy)methane	7.93	93	666991	45.077	ng	98
29) 2,4-Dichlorophenol	8.03	162	513290	45.469	ng	96
30) 1,2,4-Trichlorobenzene	8.12	180	527281	41.916	ng	98
31) Naphthalene	8.20	128	1621315	46.283	ng	97
32) Benzoic acid	7.95	122	296953	42.793	ng	90
33) 4-Chloroaniline	8.24	127	218036	14.400	ng	98
34) Hexachlorobutadiene	8.33	225	311858	40.676	ng	97
35) Caprolactam	8.64	113	156104m	40.809	ng	
36) 4-Chloro-3-methylphenol	8.73	107	507258	45.713	ng	98
37) 2-Methylnaphthalene	8.89	142	1098019	48.178	ng	98
38) 1-Methylnaphthalene	8.99	142	1026778	46.909	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	506611	41.890	ng	97

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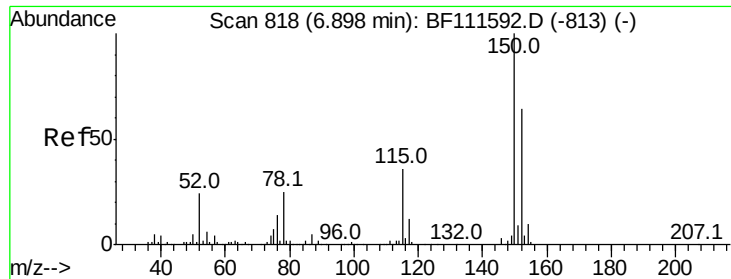
Manual Integrations
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	480228	81.828	nq	99
43) 2,4,6-Trichlorophenol	9.17	196	357120	44.228	nq	99
44) 2,4,5-Trichlorophenol	9.21	196	378066	45.640	nq	# 90
46) 1,1'-Biphenyl	9.36	154	1305366	42.015	nq	96
47) 2-Chloronaphthalene	9.38	162	1024990	41.640	nq	96
48) 2-Nitroaniline	9.47	65	323228	50.475	nq	97
49) Acenaphthylene	9.80	152	1626040	45.243	nq	96
50) Dimethylphthalate	9.66	163	1414054	52.539	nq	98
51) 2,6-Dinitrotoluene	9.71	165	269906	50.293	nq	# 85
52) Acenaphthene	9.97	154	1020751	46.049	nq	98
53) 3-Nitroaniline	9.88	138	165440	28.905	nq	95
54) 2,4-Dinitrophenol	9.99	184	175289	99.788	nq	# 83
55) Dibenzofuran	10.14	168	1423180	42.497	nq	97
56) 4-Nitrophenol	10.04	139	426630	97.673	nq	91
57) 2,4-Dinitrotoluene	10.12	165	350518	54.344	nq	# 99
58) Fluorene	10.49	166	1066571	44.198	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.26	232	327941	47.042	nq	89
60) Diethylphthalate	10.36	149	1166401	44.180	nq	98
61) 4-Chlorophenyl-phenylether	10.47	204	544034	40.805	nq	92
62) 4-Nitroaniline	10.49	138	245253	44.088	nq	89
63) Azobenzene	10.63	77	1084561	40.919	nq	97
65) 4,6-Dinitro-2-methylphenol	10.52	198	126682	48.313	nq	85
66) n-Nitrosodiphenylamine	10.59	169	981022	46.112	nq	98
67) 4-Bromophenyl-phenylether	10.96	248	347846	44.250	nq	93
68) Hexachlorobenzene	11.03	284	373192	42.579	nq	97
69) Atrazine	11.12	200	320834	43.409	nq	96
70) Pentachlorophenol	11.22	266	404107	74.579	nq	98
71) Phenanthrene	11.44	178	1510451	44.938	nq	96
72) Anthracene	11.49	178	1536424	45.540	nq	96
73) Carbazole	11.64	167	1295915	39.564	nq	95
74) Di-n-butylphthalate	11.98	149	1595544	43.446	nq	96
75) Fluoranthene	12.63	202	1314334	38.615	nq	96
77) Benzidine	12.74	184	322600	19.711	nq	97
78) Pyrene	12.86	202	1285188	41.843	nq	96
80) Butylbenzylphthalate	13.47	149	534343	42.679	nq	# 87
81) Benzo(a)anthracene	14.04	228	1103189	44.444	nq	98
82) 3,3'-Dichlorobenzidine	14.00	252	334262	34.083	nq	96
83) Chrysene	14.08	228	1072412	43.958	nq	98
84) Bis(2-ethylhexyl)phthalate	14.03	149	700833	44.440	nq	97
85) Di-n-octyl phthalate	14.64	149	1195462	48.926	nq	96
86) Indeno(1,2,3-cd)pyrene	17.01	276	1037895	50.045	nq	# 89
88) Benzo(b)fluoranthene	15.10	252	1172143	43.662	nq	# 96
89) Benzo(k)fluoranthene	15.13	252	1098221	42.969	nq	# 96
90) Benzo(a)pyrene	15.47	252	1104542	45.287	nq	# 94
91) Dibenzo(a,h)anthracene	17.03	278	882130	41.303	nq	# 91
92) Benzo(g,h,i)perylene	17.46	276	810654	38.871	nq	# 88

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



#1

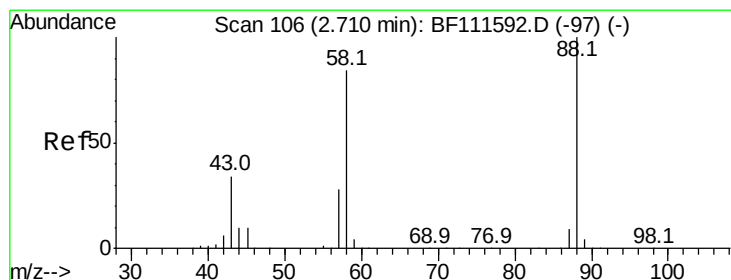
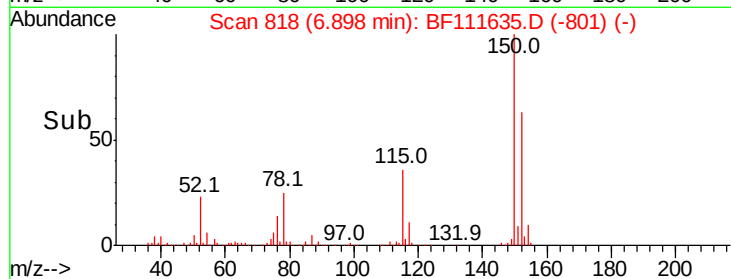
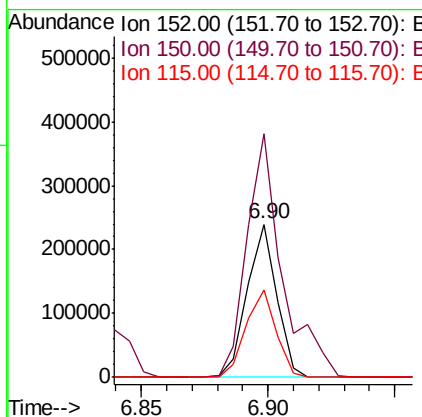
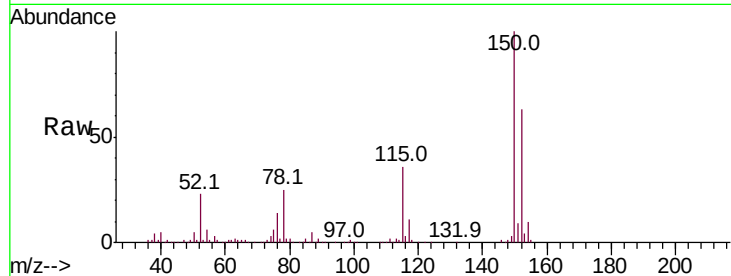
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampled :
VB-1MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.6	189.8
115	57.1	50.7	76.1

Manual Integrations
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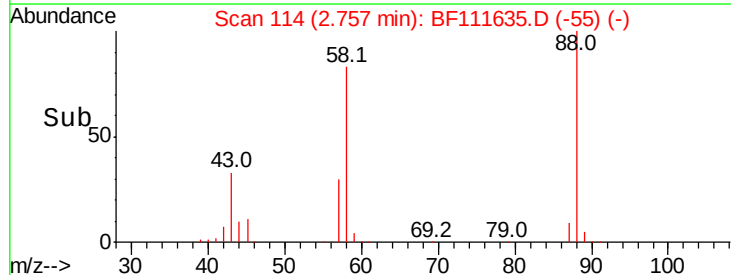
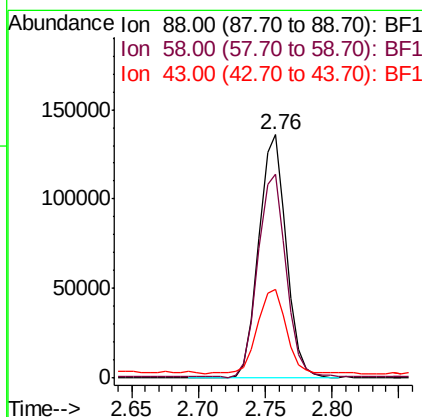
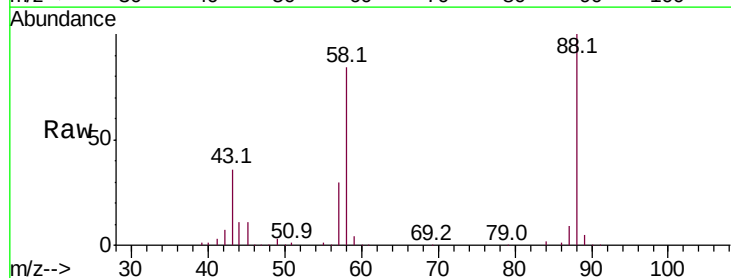
Sohil
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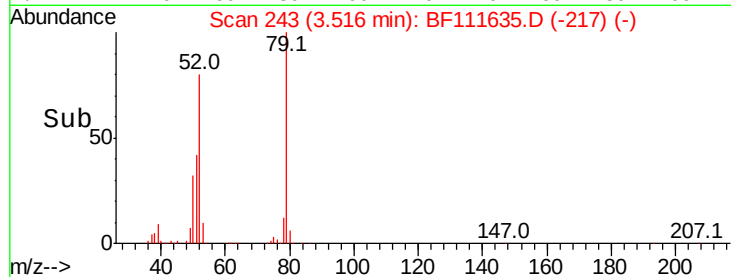
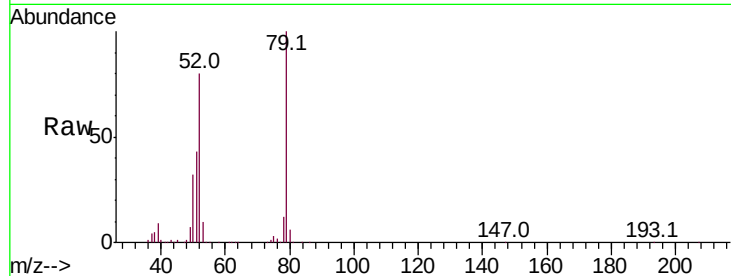
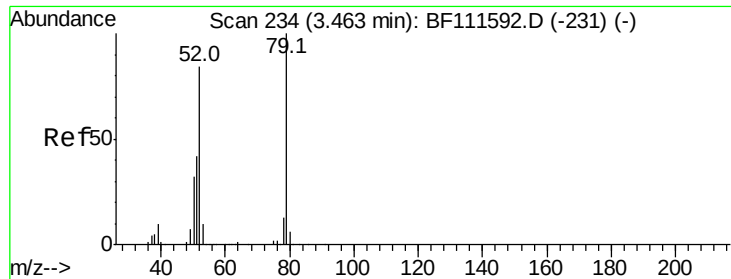


#2

1,4-Dioxane
Concen: 35.805 ng
RT: 2.76 min Scan# 114
Delta R.T. 0.05 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.2	68.9	103.3
43	35.8	25.8	38.6





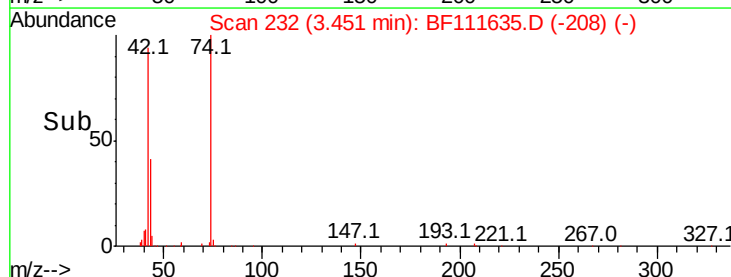
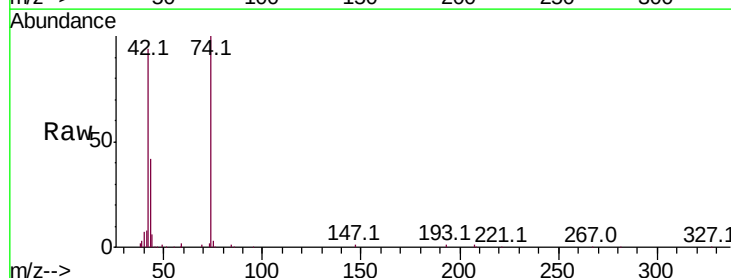
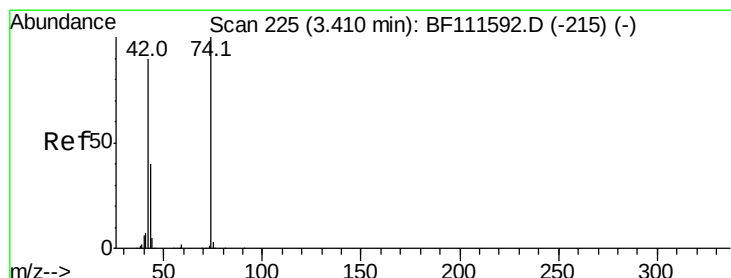
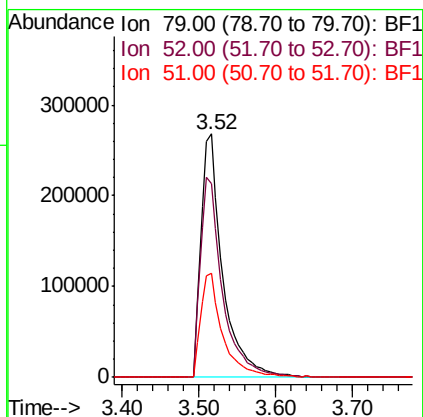
#3
Pvridine
Concen: 37.372 ng
RT: 3.52 min Scan# 243
Delta R.T. 0.05 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tot Ion	Ratio	Lower	Upper
79	100		
52	79.7	68.3	102.5
51	42.5	32.6	49.0

Instrument :
BNA_F
ClientSampleId :
VB-1MS

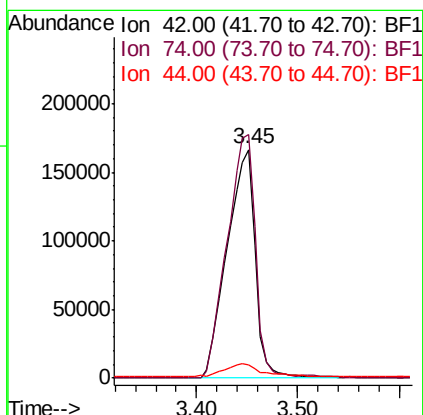
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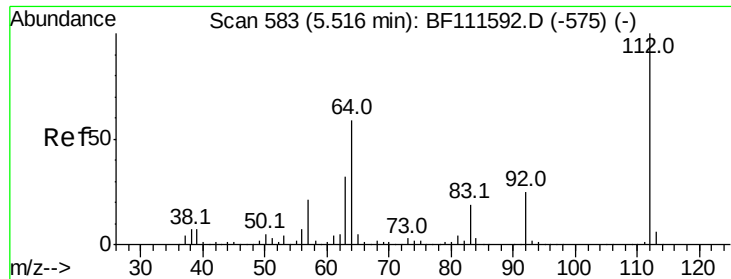
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#4
n-Nitrosodimethylamine
Concen: 46.976 ng
RT: 3.45 min Scan# 232
Delta R.T. 0.04 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
42	100		
74	106.5	101.5	152.3
44	6.0	6.0	9.0





#5

2-Fluorophenol

Concen: 132.949 ng

RT: 5.53 min Scan# 585

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampled :

VB-1MS

Tot Ion:112 Resp: 1519128

Ion Ratio Lower Upper

112 100

64 64.1 51.8 77.6

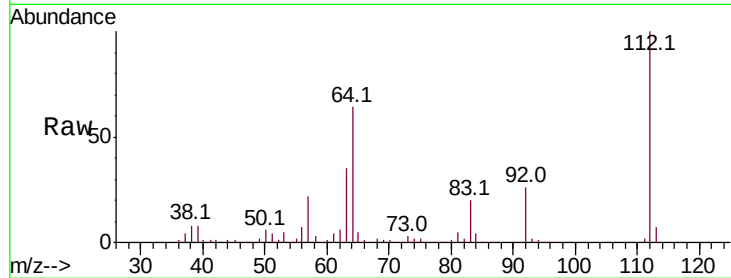
63 34.6 26.8 40.2

Manual Integrations

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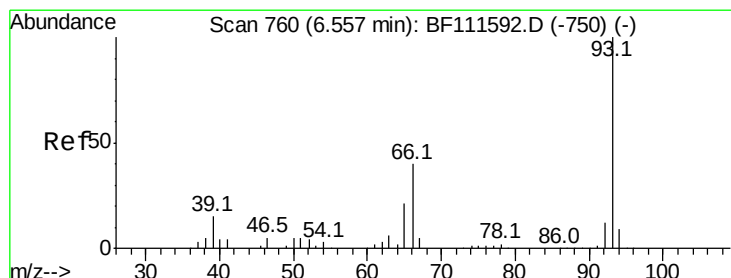
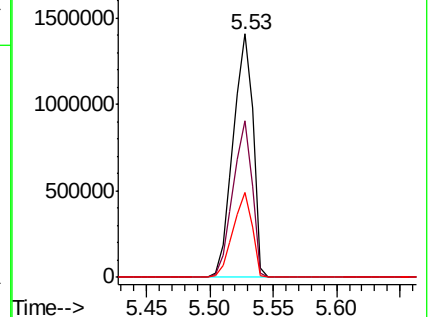
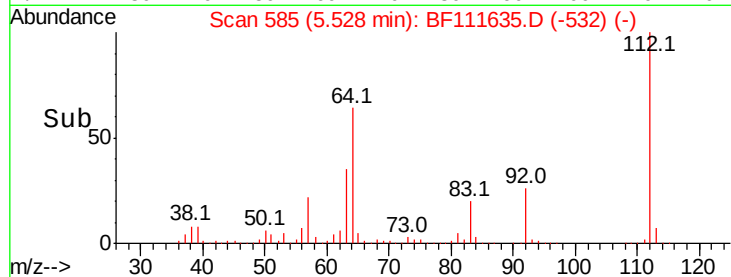
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 32.875 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

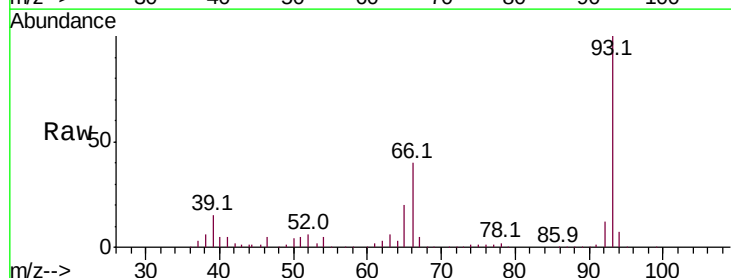
Tgt Ion: 93 Resp: 609377

Ion Ratio Lower Upper

93 100

66 39.7 33.2 49.8

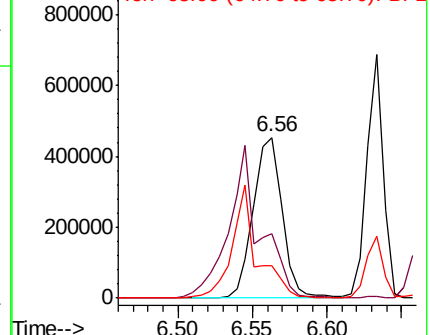
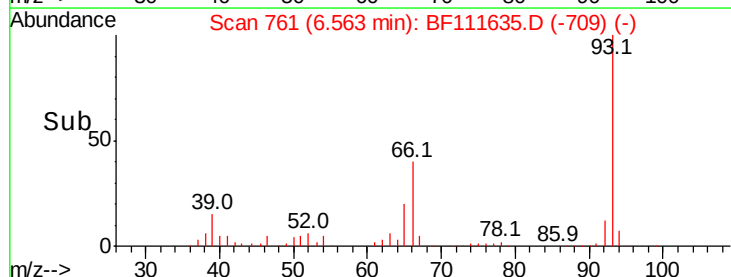
65 20.3 17.0 25.4

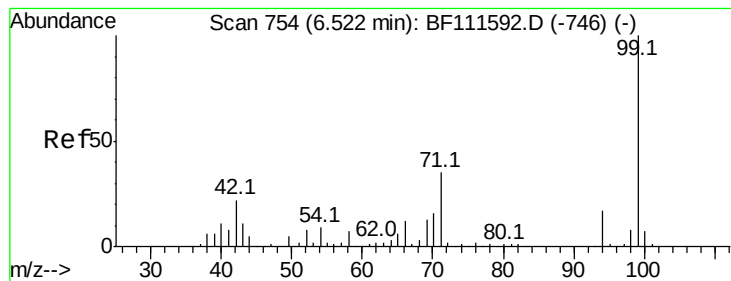


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 136.089 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

Tot Ion: 99 Resp: 1978977

Ion Ratio Lower Upper

99 100

42 22.2 17.4 26.0

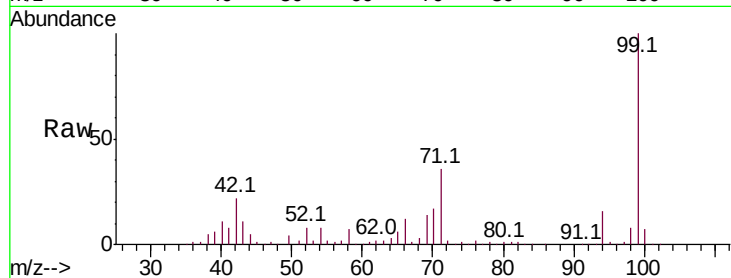
71 35.8 26.1 39.1

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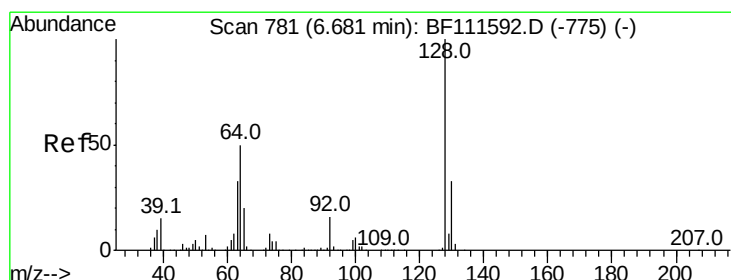
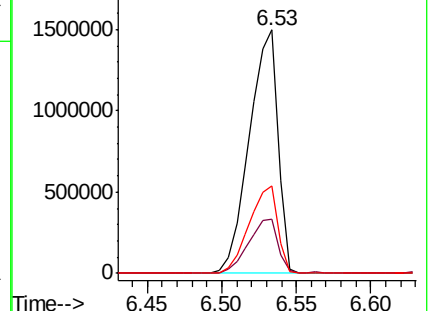
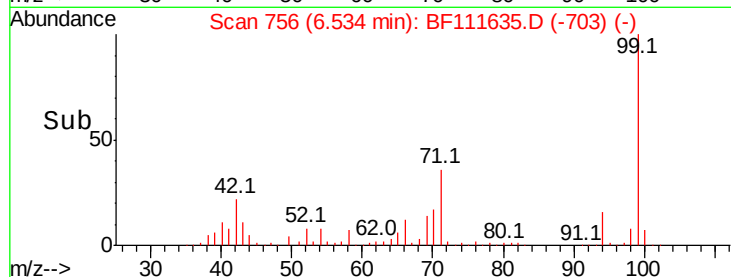
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.966 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

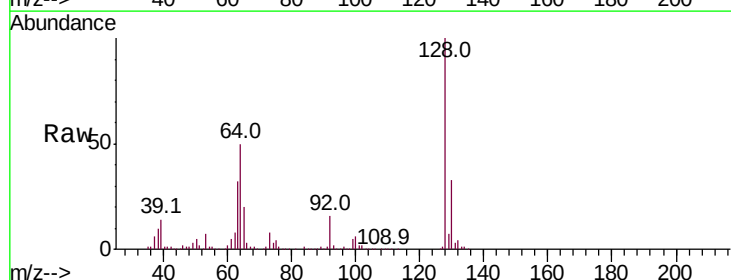
Tgt Ion:128 Resp: 569165

Ion Ratio Lower Upper

128 100

130 32.7 12.7 52.7

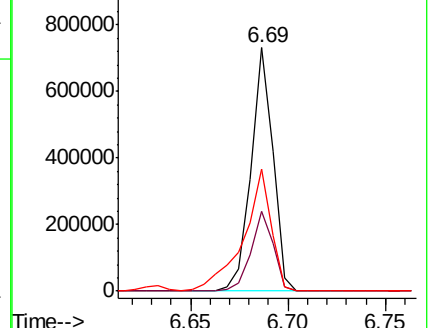
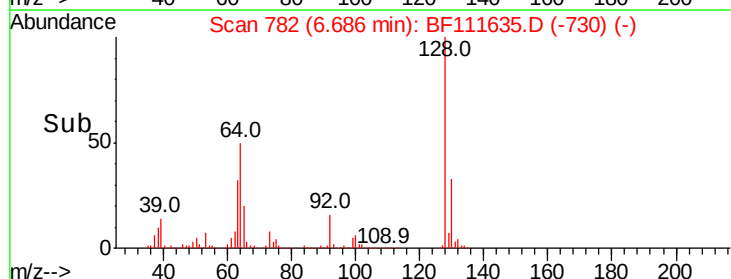
64 50.1 30.0 70.0

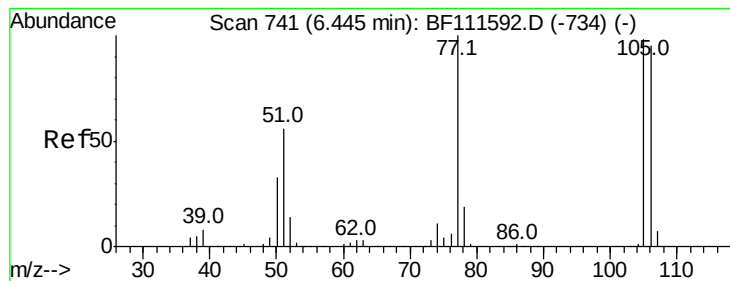


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 42.925 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

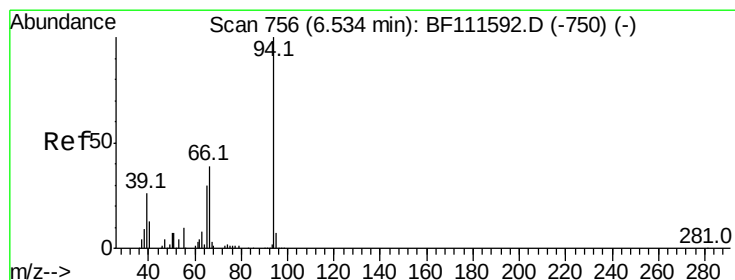
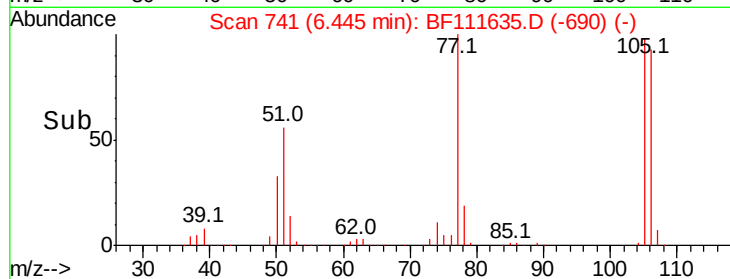
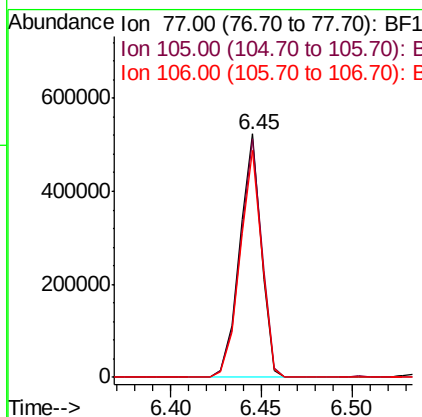
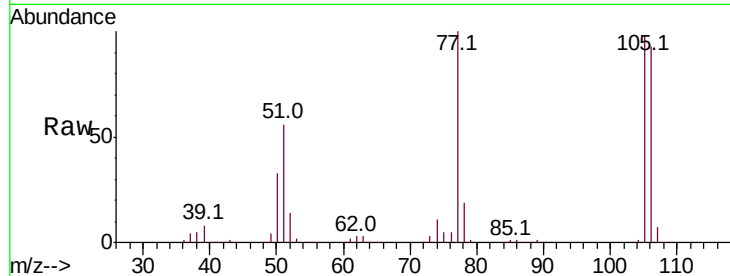
ClientSampleId :

VB-1MS

Tot Ion:	77	Resp:	429307
Ion Ratio	Lower	Upper	
77	100		
105	98.1	81.4	121.4
106	93.0	77.9	117.9

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#10

Phenol

Concen: 48.737 ng

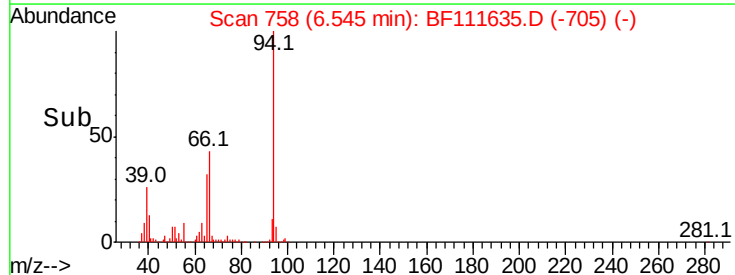
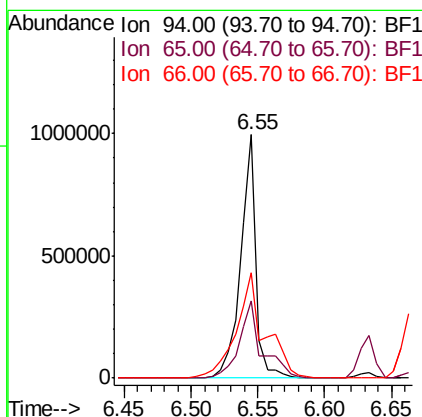
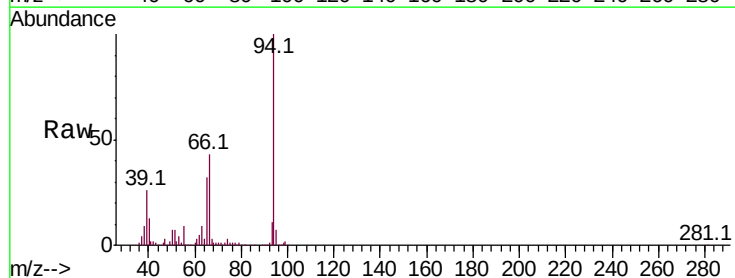
RT: 6.55 min Scan# 756

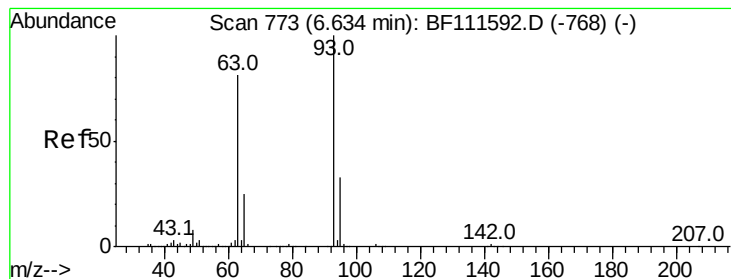
Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Tgt Ion:	94	Resp:	799655
Ion Ratio	Lower	Upper	
94	100		
65	32.0	11.7	51.7
66	43.3	21.0	61.0





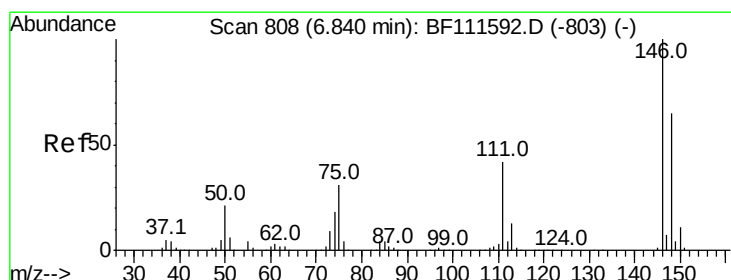
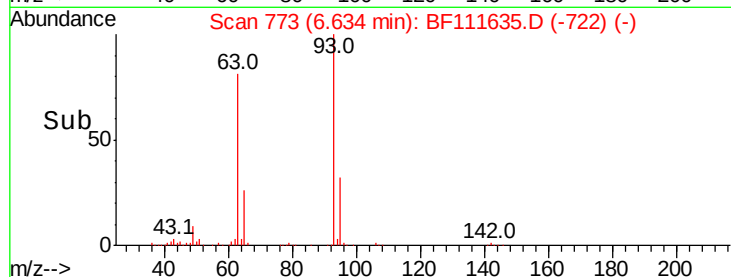
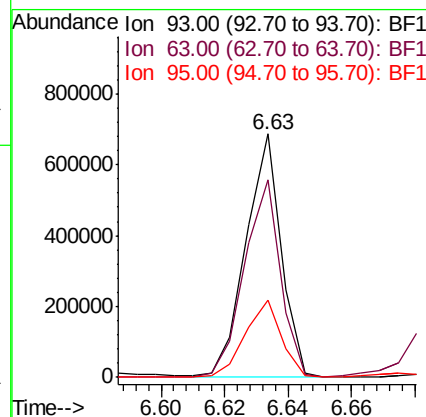
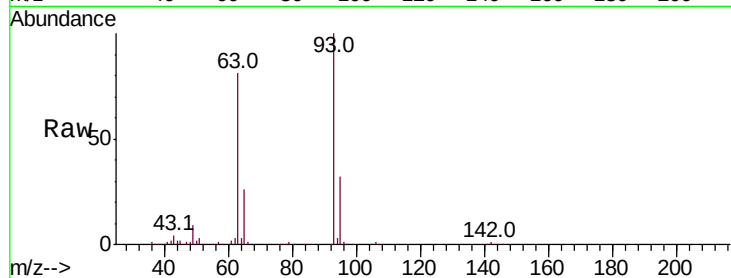
#11
bis(2-Chloroethyl)ether
Concen: 43.036 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	529130		
63	81.2	60.0	100.0	
95	31.7	13.4	53.4	

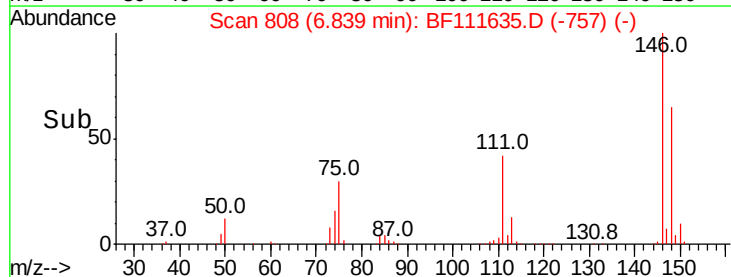
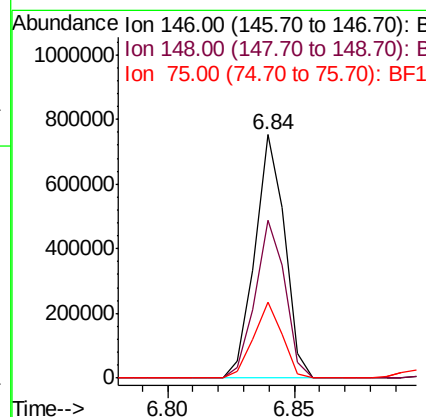
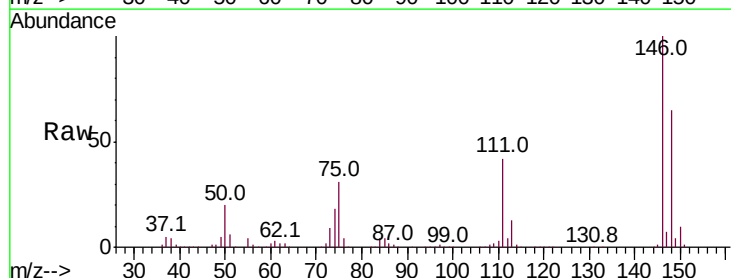
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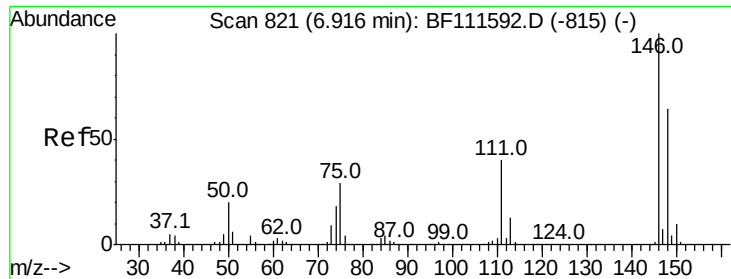
Sohil
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#12
1,3-Dichlorobenzene
Concen: 42.025 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	616458		
148	64.7	52.1	78.1	
75	31.0	23.9	35.9	





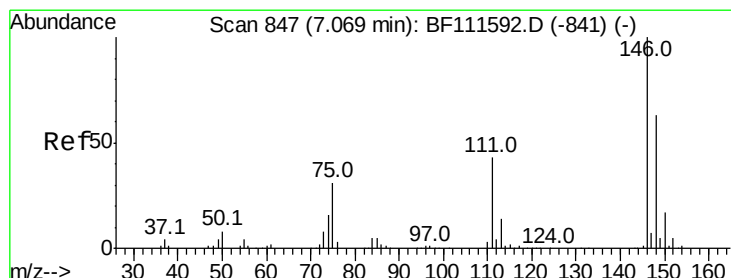
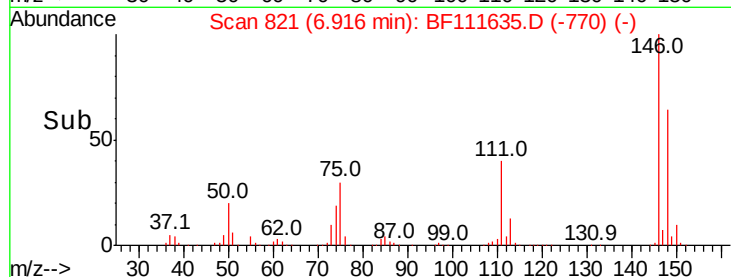
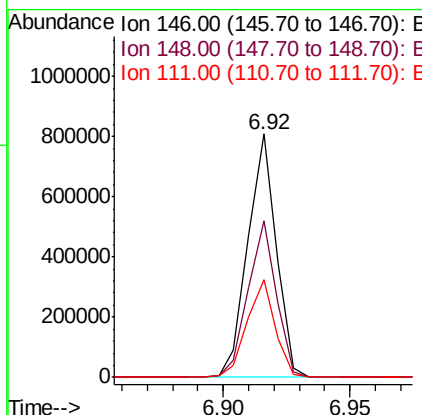
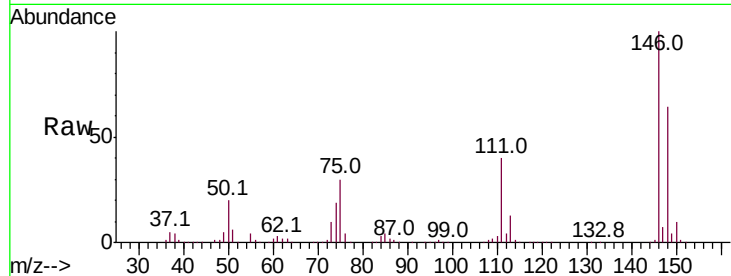
#13
 1,4-Dichlorobenzene
 Concen: 42.491 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.8	79.2
111	40.0	33.4	50.0

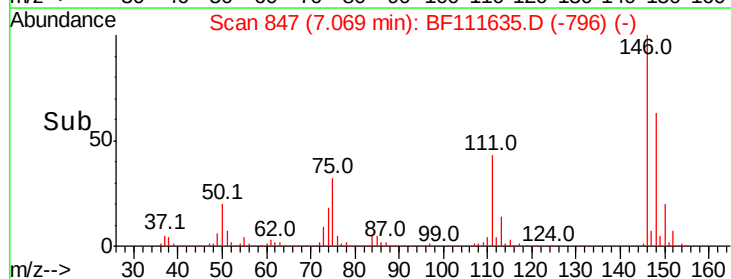
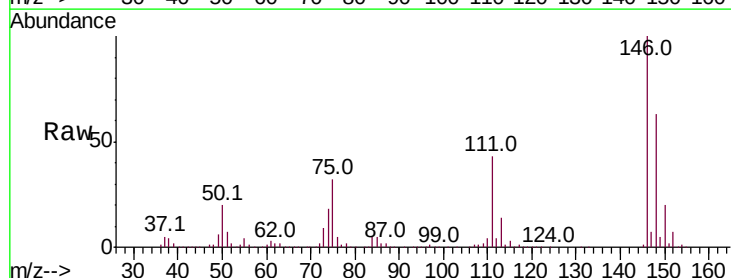
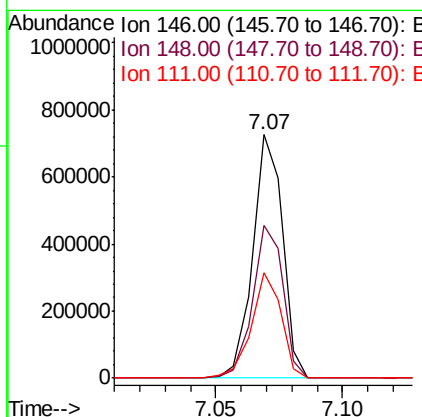
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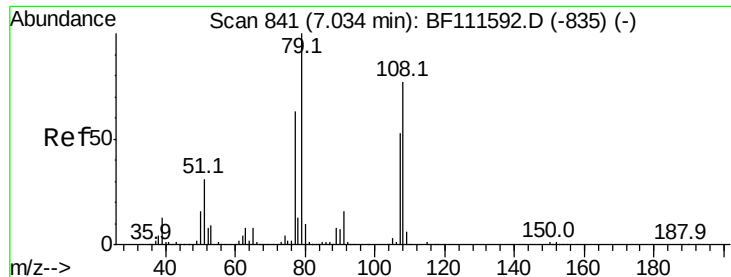
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 42.902 ng
 RT: 7.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	51.9	77.9
111	43.4	36.2	54.4





#15

Benzyl Alcohol

Concen: 45.434 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

Tot Ion: 79 Resp: 524718

Ion Ratio Lower Upper

79 100

108 74.5 69.4 104.2

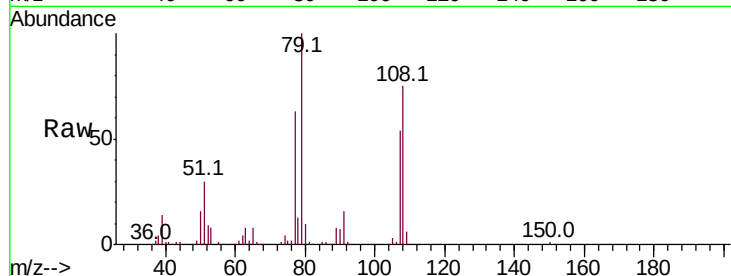
77 62.6 49.7 74.5

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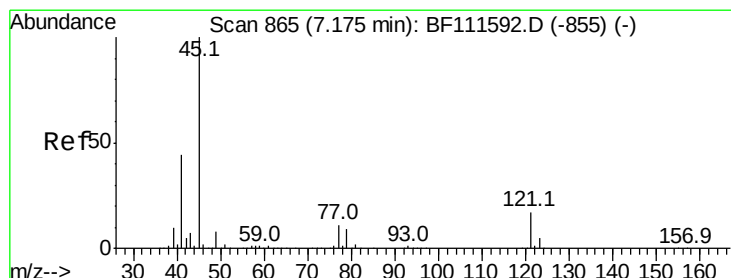
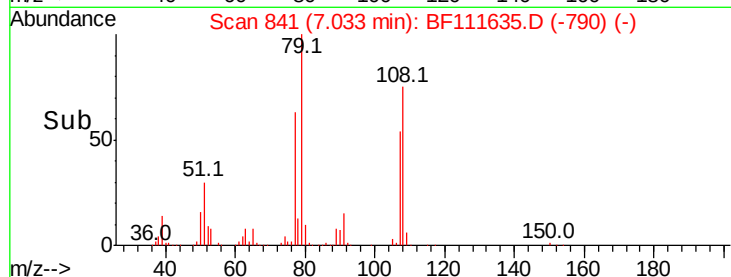
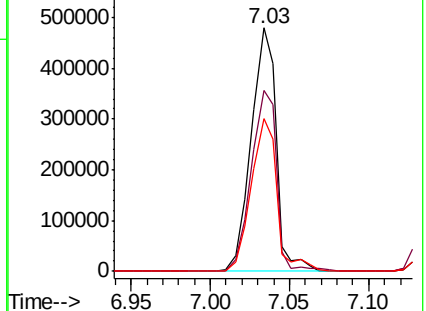
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.341 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

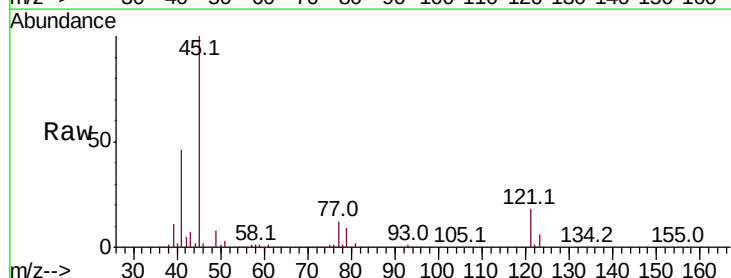
Tgt Ion: 45 Resp: 936154

Ion Ratio Lower Upper

45 100

77 12.0 0.0 31.5

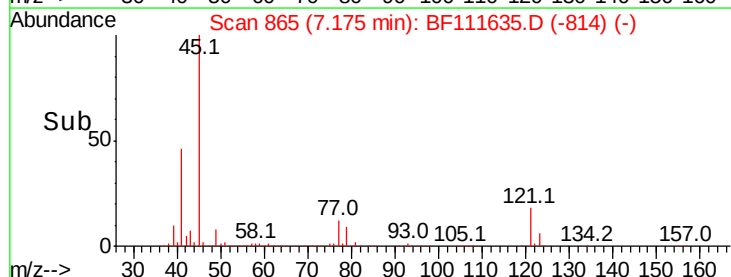
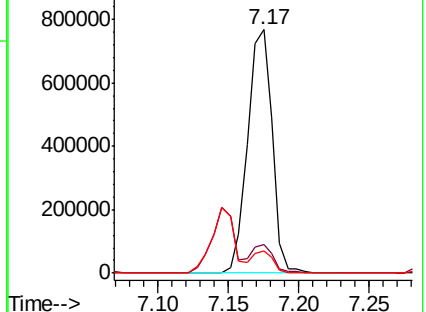
79 9.1 0.0 28.9

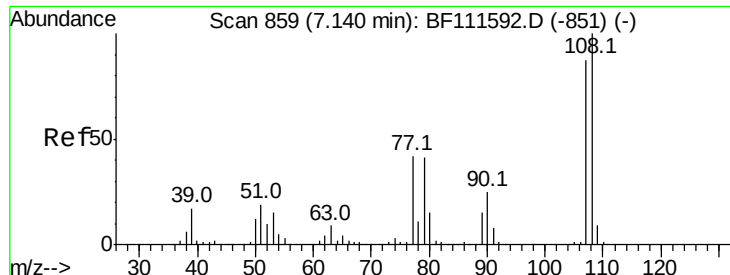


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





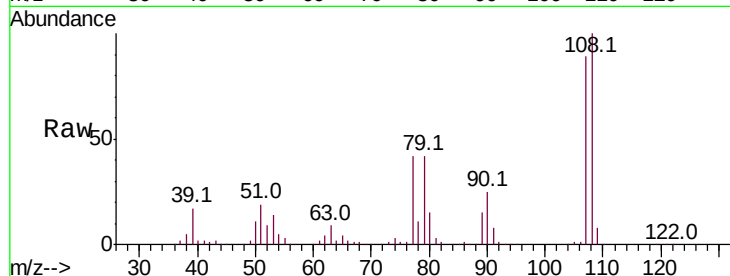
#17
2-Methylphenol
Concen: 46.449 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampled :
VB-1MS

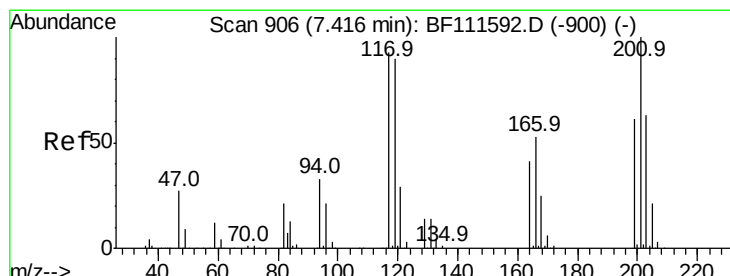
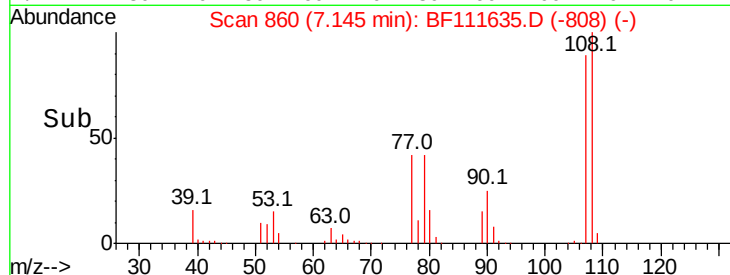
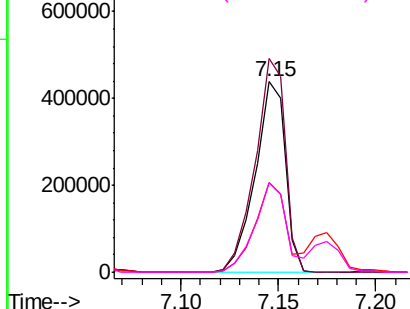
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.2	91.0	136.4	
77	46.9	33.5	50.3	
79	47.1	33.3	49.9	

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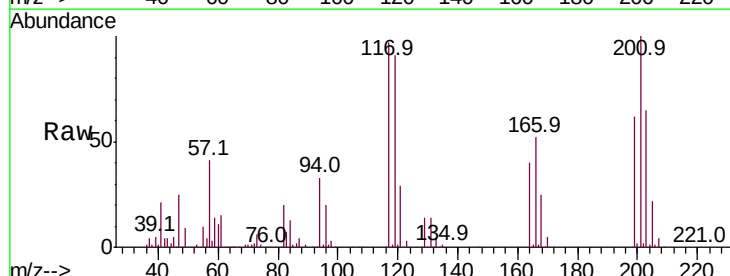


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

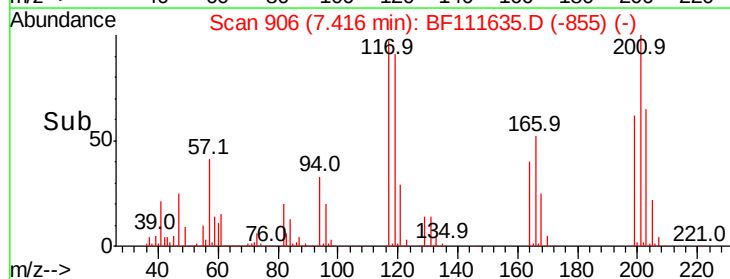
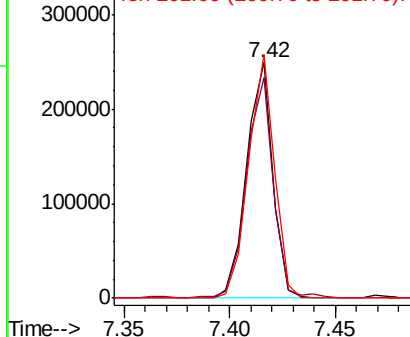


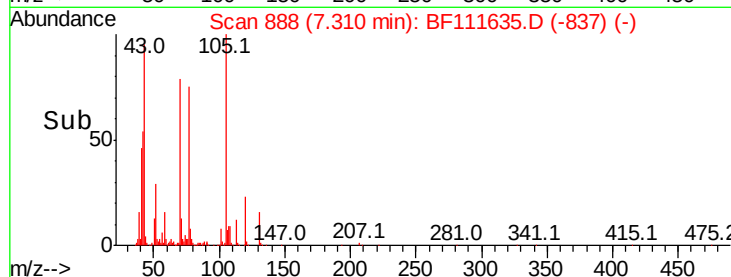
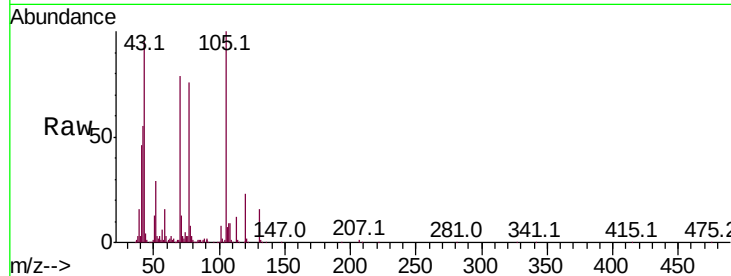
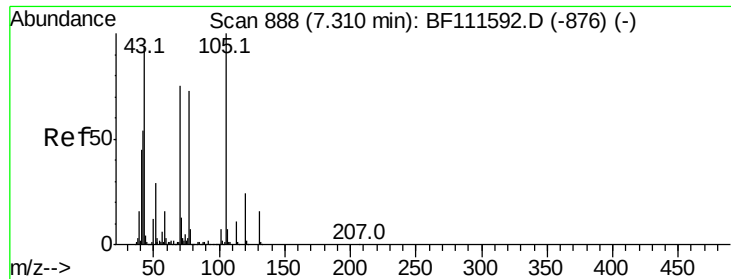
#18
Hexachloroethane
Concen: 42.917 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.8	75.4	113.0	
201	103.4	62.4	93.6#	



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





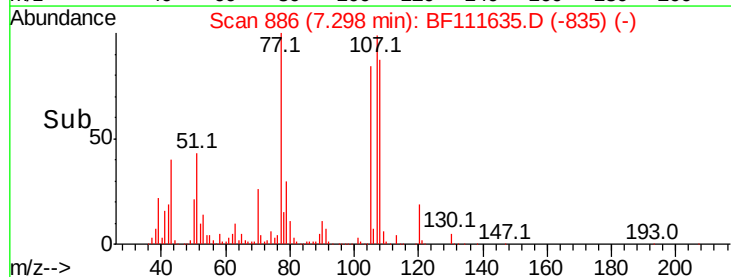
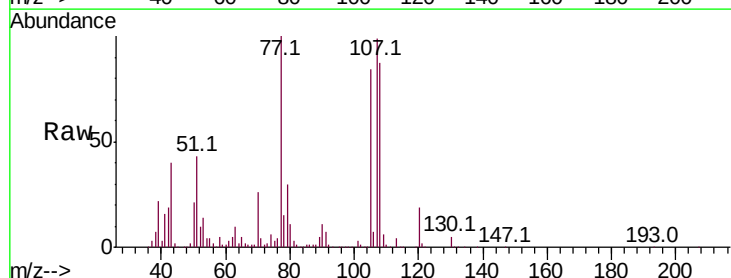
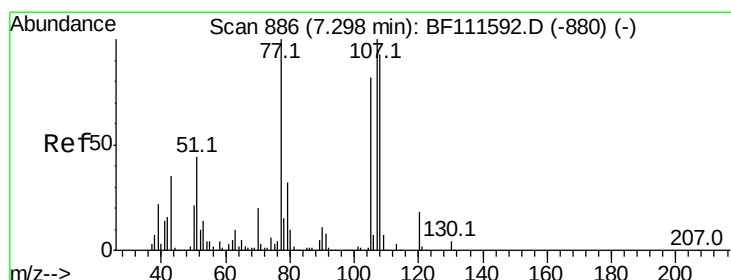
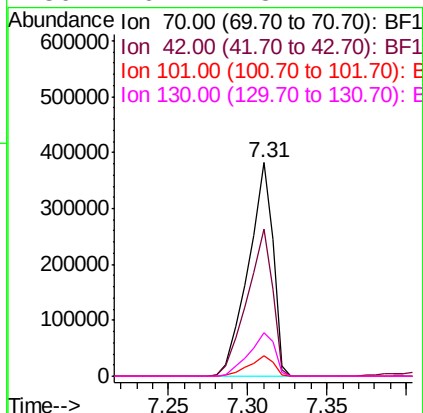
#19
n-Nitroso-di-n-propylamine
Concen: 42.902 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

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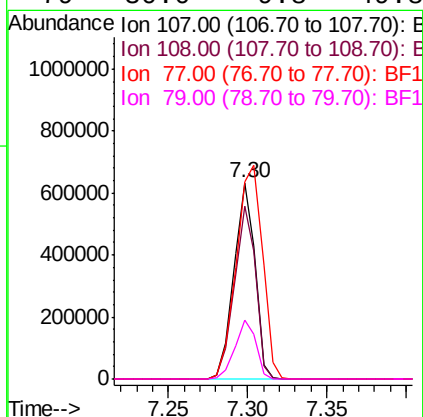
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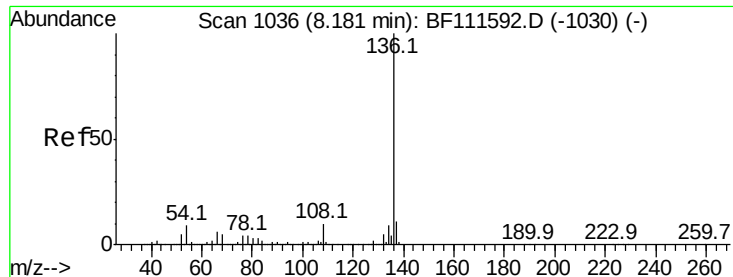
Tot Ion	Ratio	Lower	Upper
70	100		
42	69.0	53.2	79.8
101	9.7	8.2	12.4
130	20.4	18.1	27.1



#20
3+4-Methylphenols
Concen: 45.492 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.0	72.1	112.1
77	100.7	94.1	134.1
79	30.0	9.8	49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

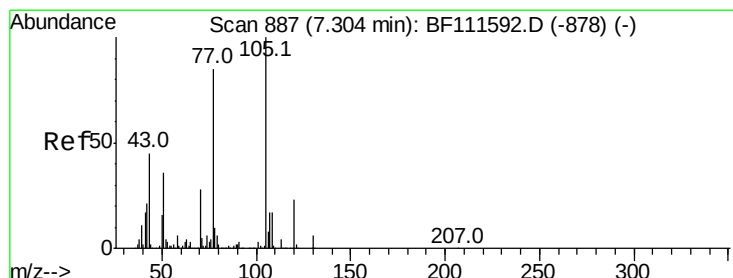
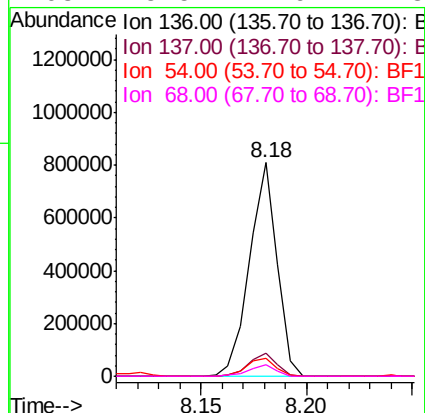
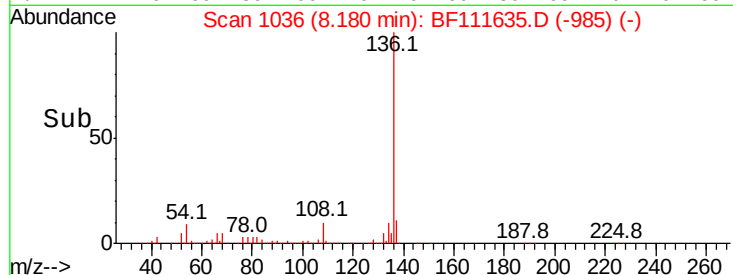
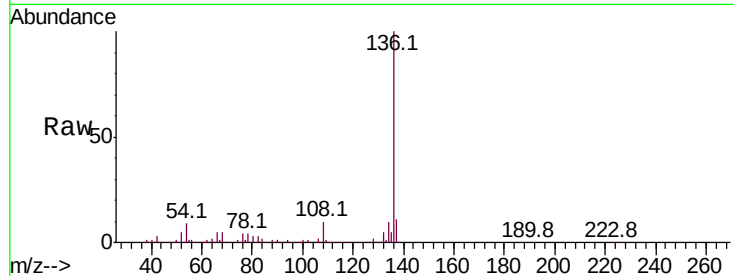
ClientSampleId :

VB-1MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.1	13.7	
54	8.7	7.7	11.5	
68	5.5	4.9	7.3	

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#22

Acetophenone

Concen: 41.571 ng

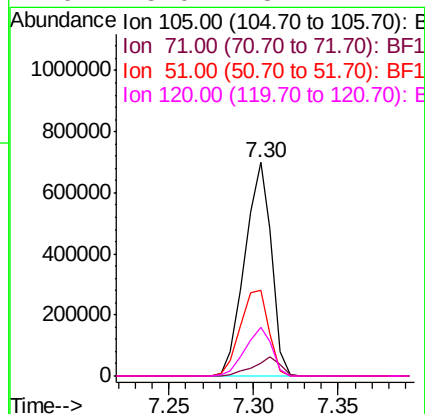
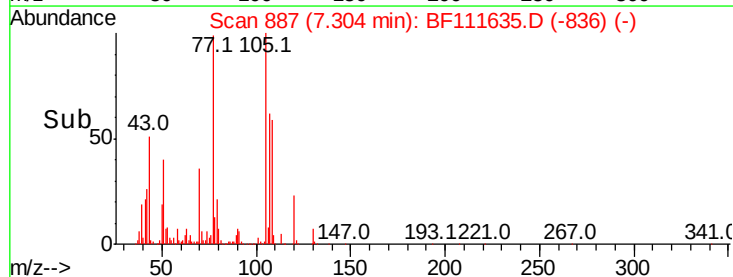
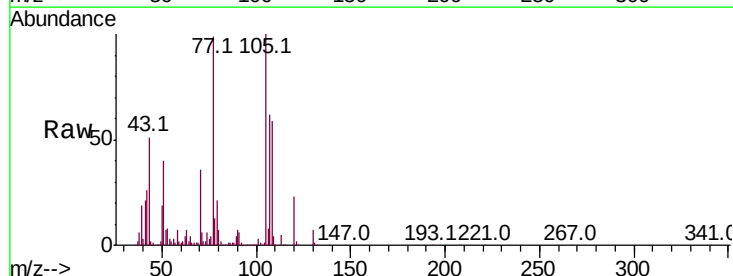
RT: 7.30 min Scan# 887

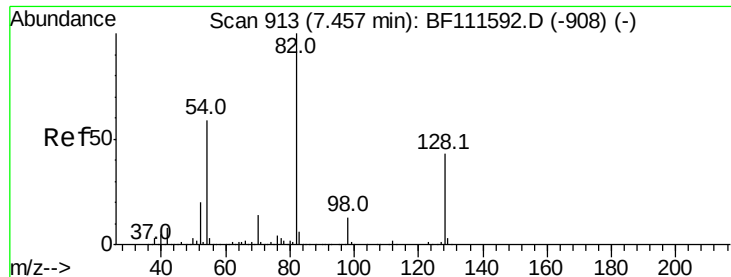
Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.9	3.1	4.7#	
51	40.2	36.6	54.8	
120	23.0	18.2	27.4	





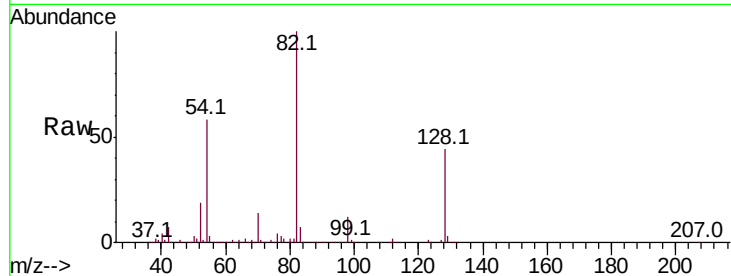
#23
Nitrobenzene-d5
Concen: 99.017 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampled :
VB-1MS

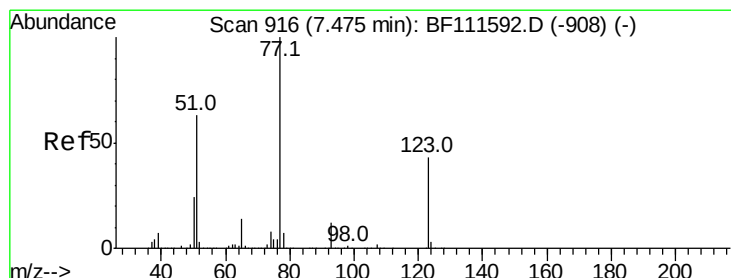
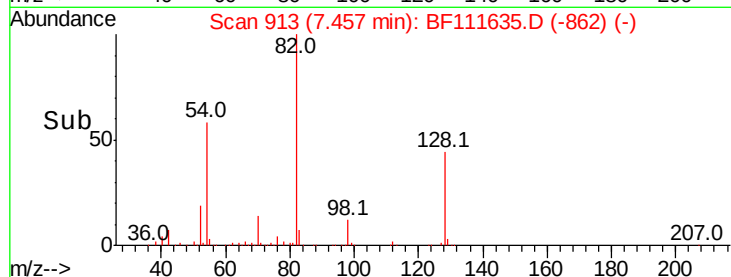
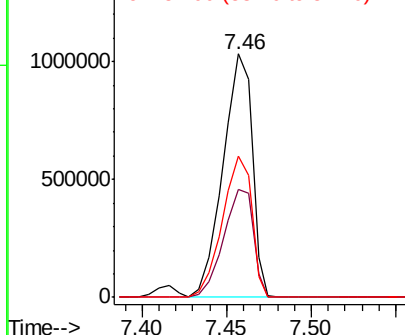
Tot Ion: 82 Resp: 1240210
Ion Ratio Lower Upper
82 100
128 44.1 37.4 56.2
54 57.9 47.6 71.4

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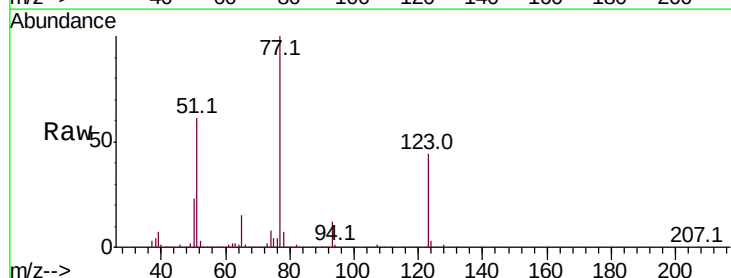


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

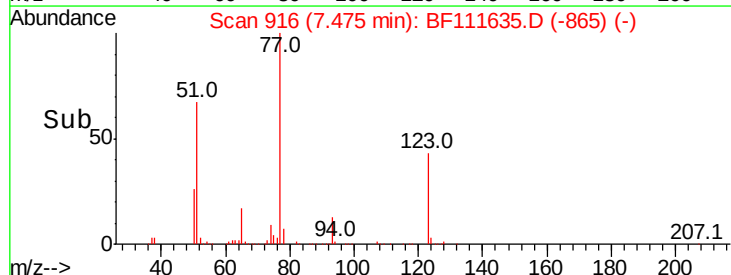
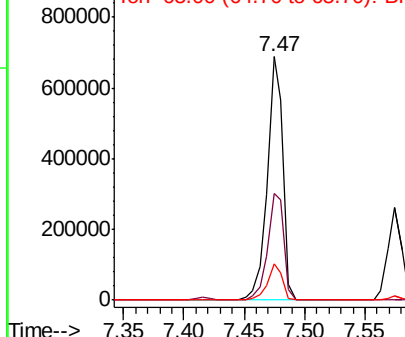


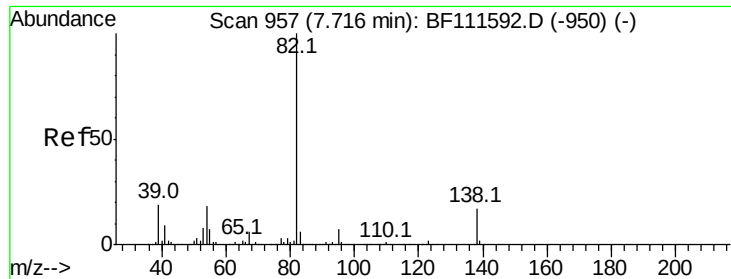
#24
Nitrobenzene
Concen: 46.736 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion: 77 Resp: 613531
Ion Ratio Lower Upper
77 100
123 44.0 37.2 55.8
65 14.7 11.5 17.3



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: 49.109 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampled :

VB-1MS

Tot Ion: 82 Resp: 1091968

Ion Ratio Lower Upper

82 100

95 7.2 5.4 8.2

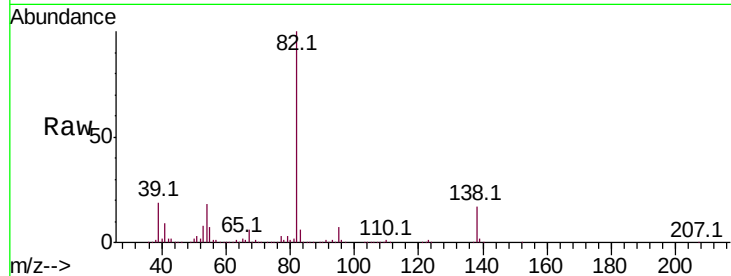
138 17.5 15.1 22.7

Manual Integrations

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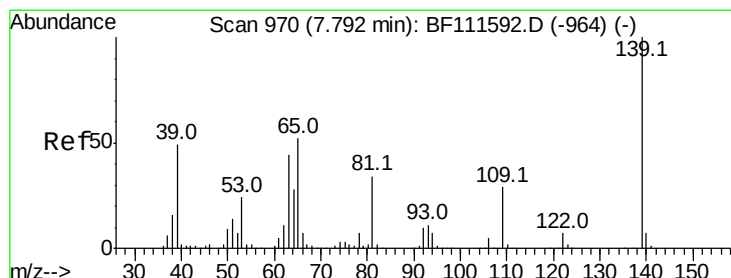
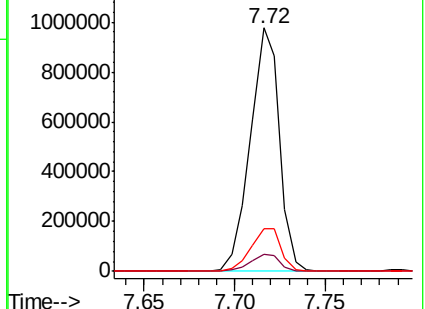
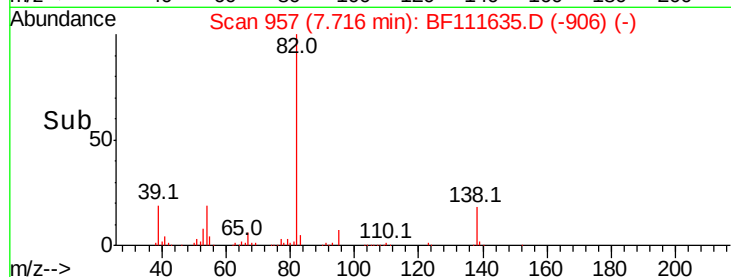
12/21/2018 2:46:36 PM



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: 54.495 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

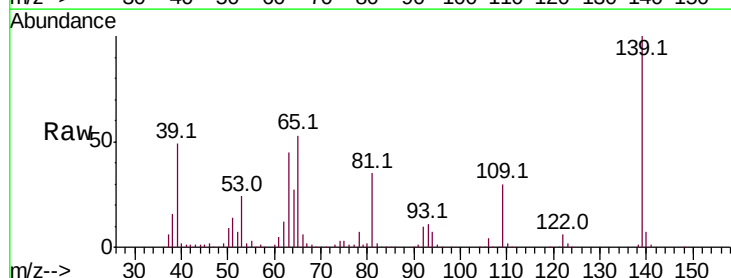
Tgt Ion:139 Resp: 290137

Ion Ratio Lower Upper

139 100

109 29.6 20.2 30.4

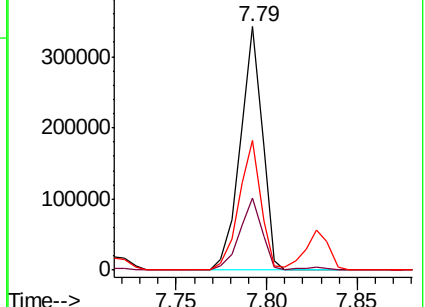
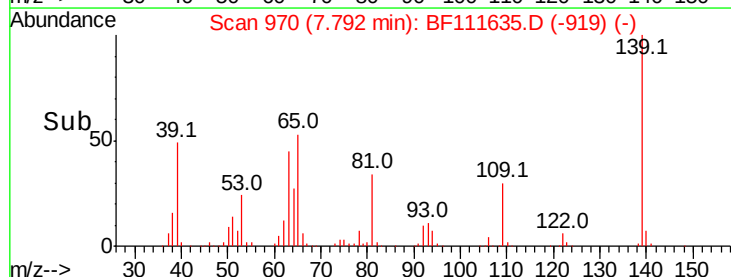
65 53.2 40.7 61.1

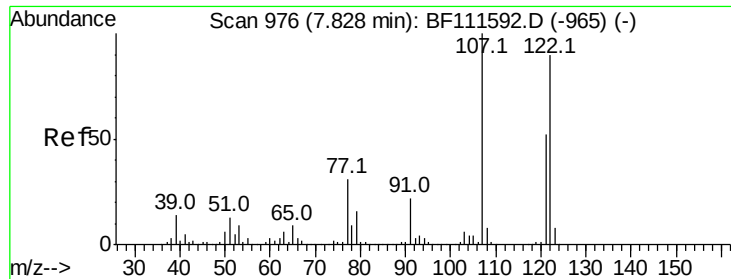


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 47.554 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

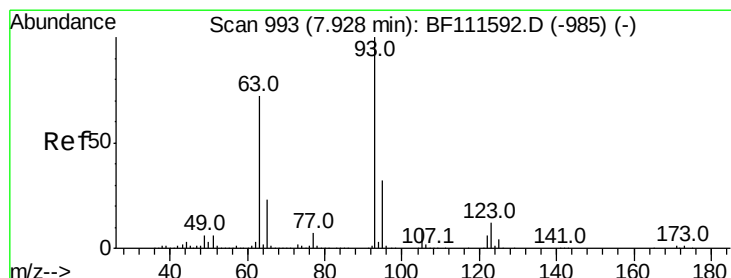
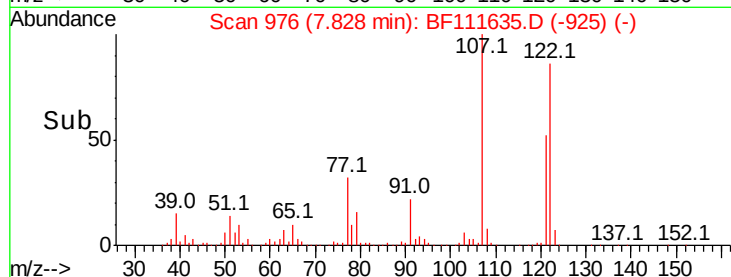
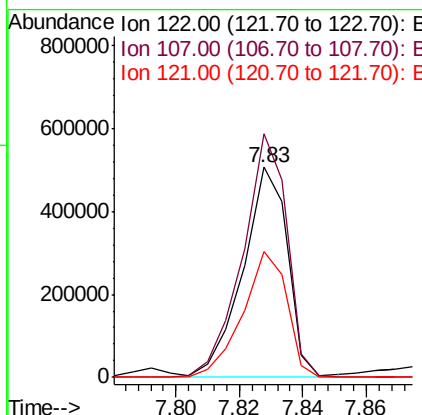
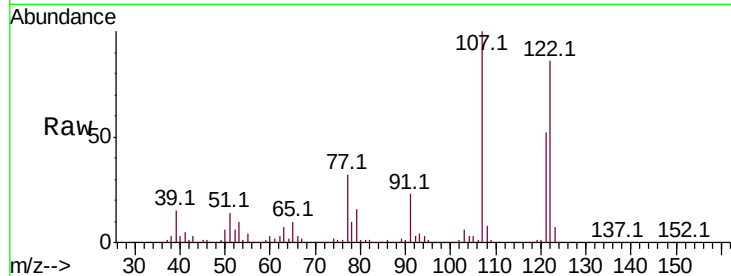
ClientSampleId :

VB-1MS

Tot Ion:	122	Resp:	499091
Ion Ratio	Lower	Upper	
122	100		
107	115.8	85.5	128.3
121	60.1	46.6	70.0

Manual Integrations
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Sohil
12/21/2018 2:46:36 PM



#28

bis(2-Chloroethoxy)methane

Concen: 45.077 ng

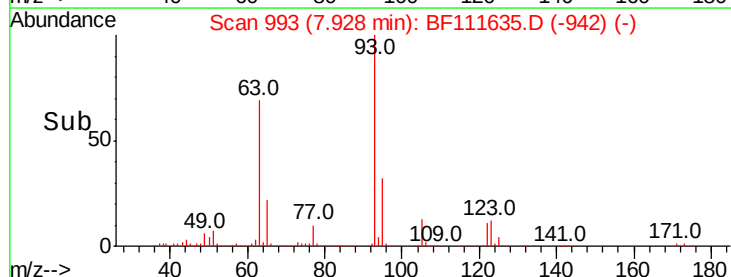
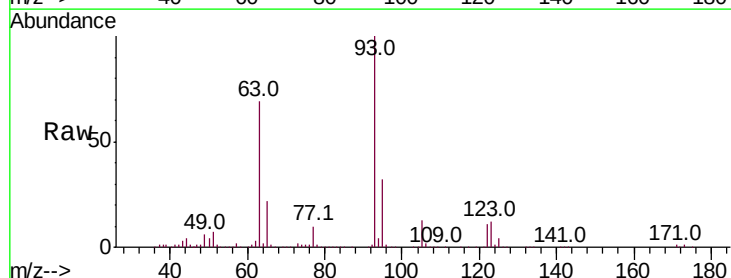
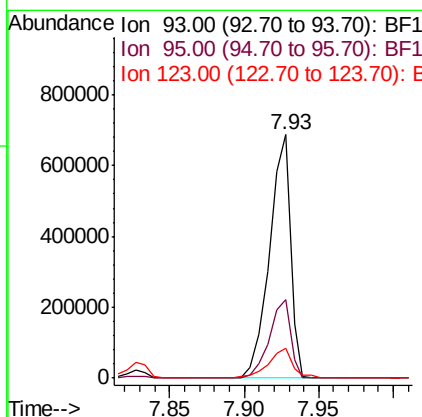
RT: 7.93 min Scan# 993

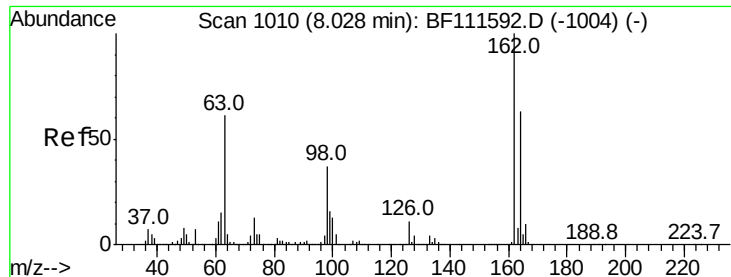
Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Tgt Ion:	93	Resp:	666991
Ion Ratio	Lower	Upper	
93	100		
95	32.3	27.1	40.7
123	12.5	9.9	14.9





#29

2,4-Dichlorophenol

Concen: 45.469 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

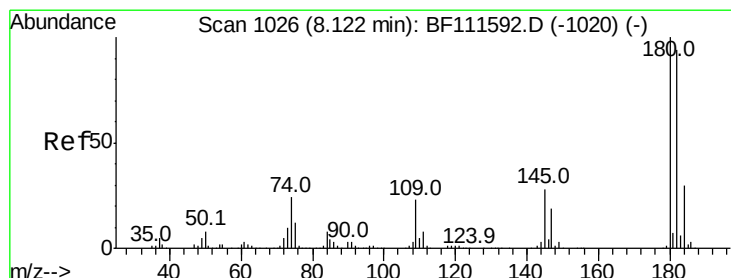
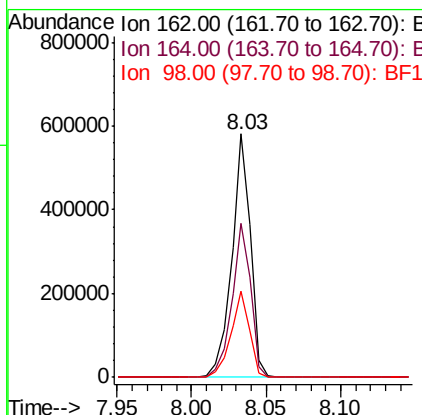
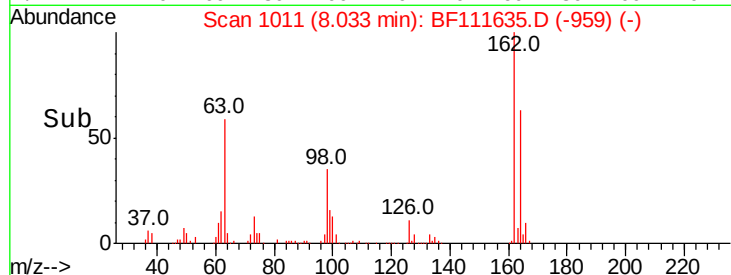
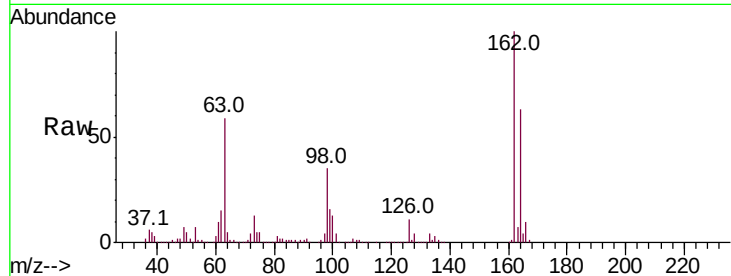
ClientSampleId :

VB-1MS

Tot Ion:	162	Resp:	513290
Ion Ratio	Lower	Upper	
162	100		
164	63.2	44.4	84.4
98	35.3	20.3	60.3

Manual Integrations
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Sohil
12/21/2018 2:46:36 PM



#30

1,2,4-Trichlorobenzene

Concen: 41.916 ng

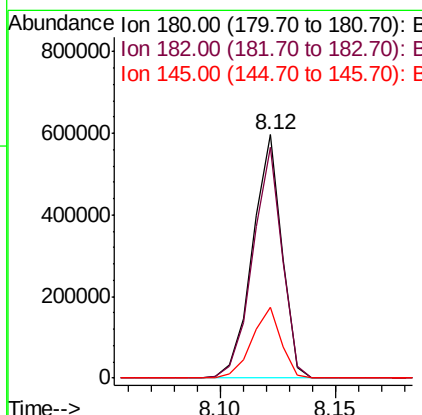
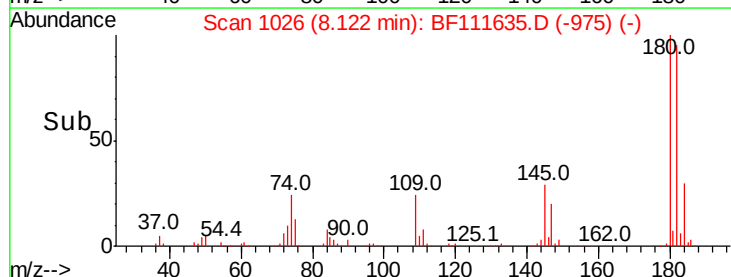
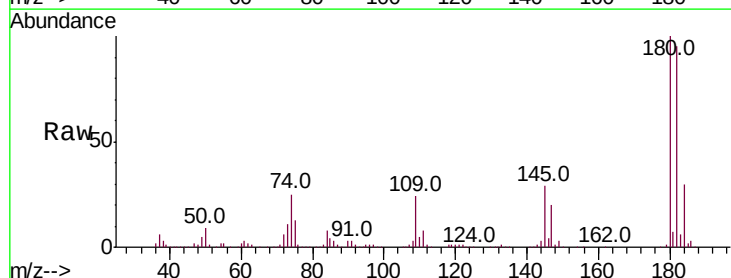
RT: 8.12 min Scan# 1026

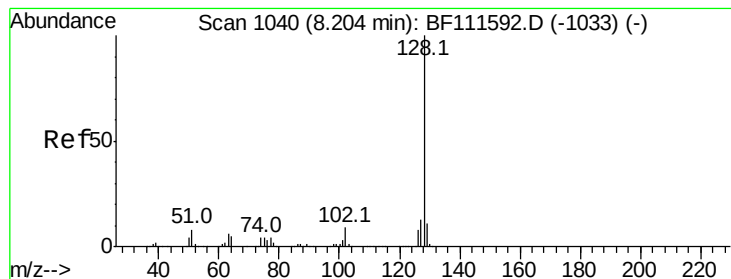
Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Tgt Ion:	180	Resp:	527281
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.6	113.4
145	29.3	26.7	40.1





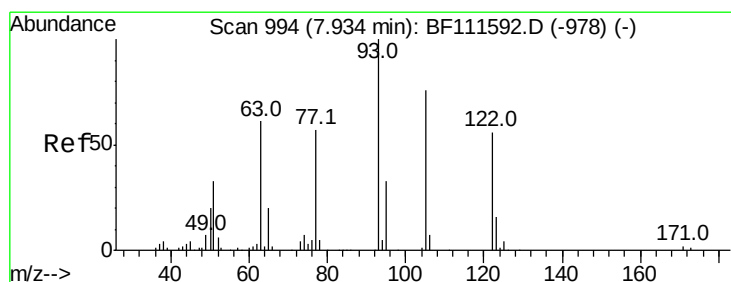
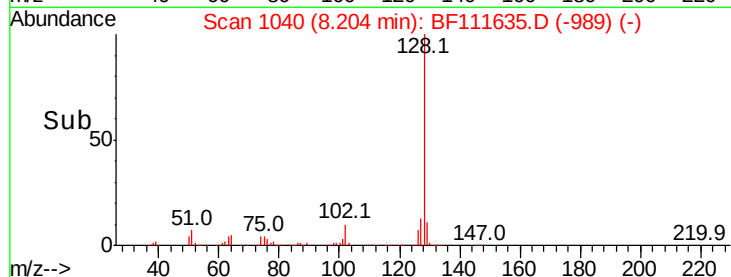
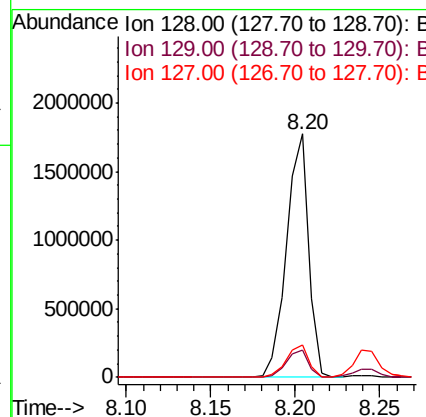
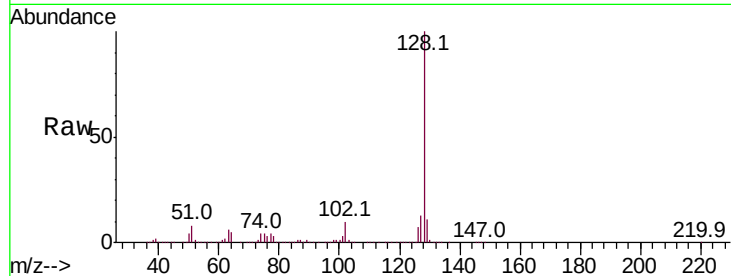
#31
Naphthalene
Concen: 46.283 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.8	14.8
127	13.5	12.0	18.0

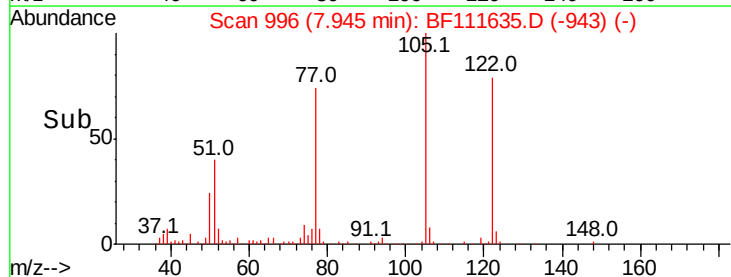
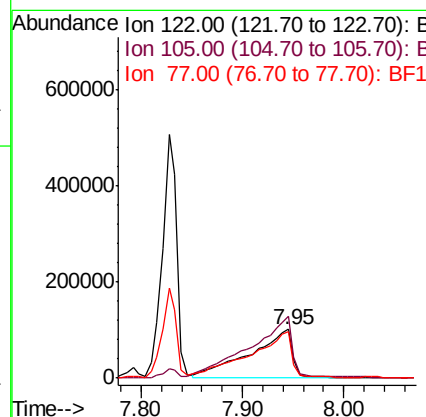
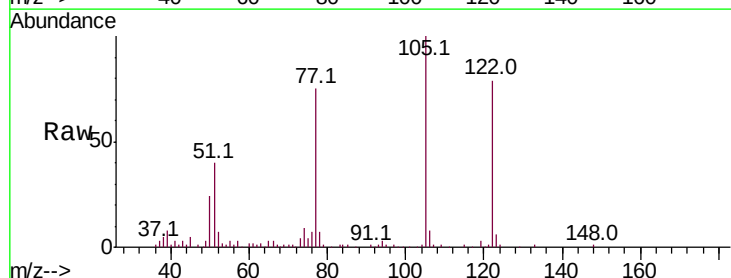
Manual Integrations
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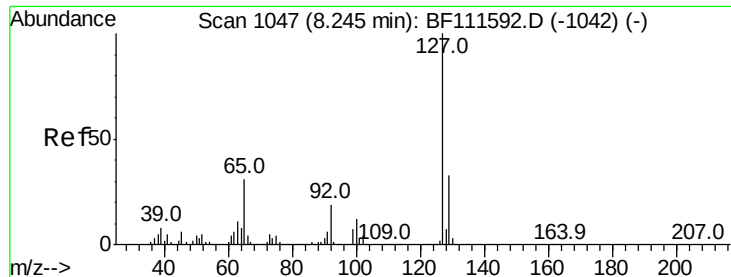
Sohil
12/21/2018 2:46:36 PM



#32
Benzoic acid
Concen: 42.793 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
122	100		
105	127.3	97.0	137.0
77	95.1	65.7	105.7





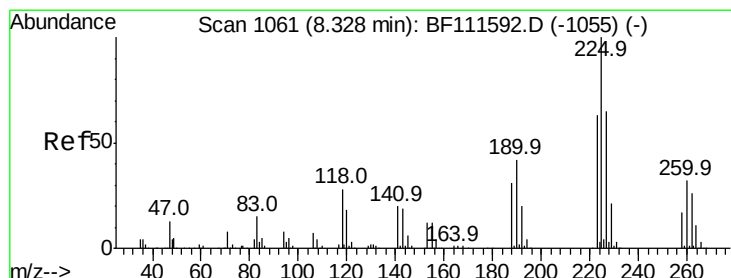
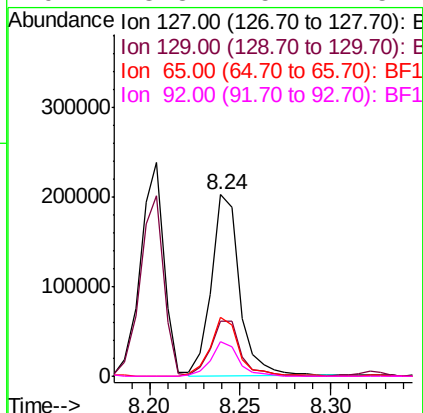
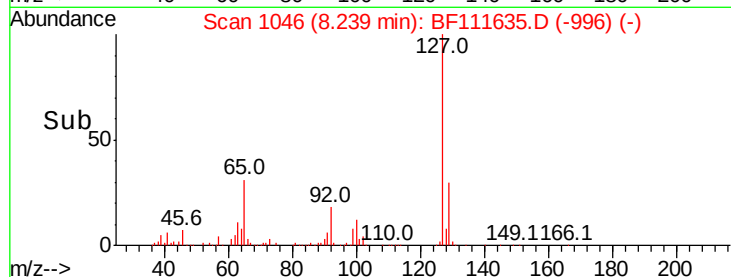
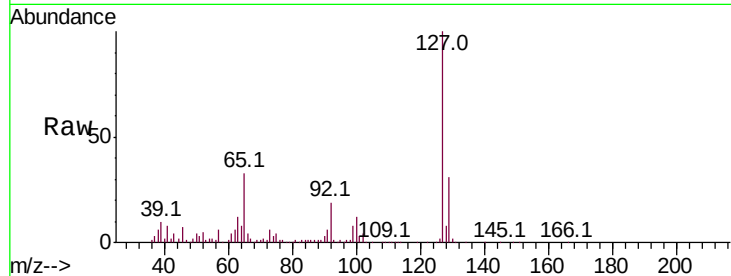
#33
4-Chloroaniline
Concen: 14.400 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.6	26.6	39.8
65	32.7	25.7	38.5
92	18.8	15.4	23.2

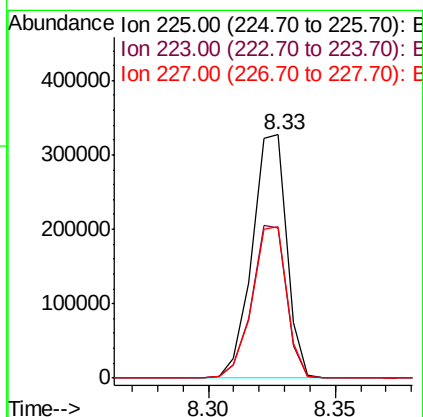
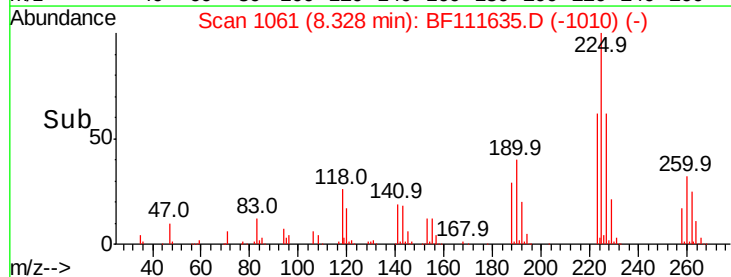
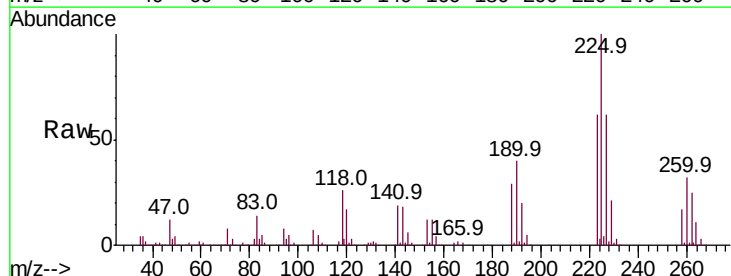
Manual Integrations
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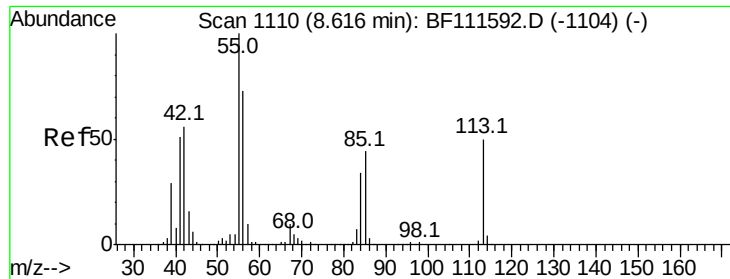
Sohil
12/21/2018 2:46:36 PM



#34
Hexachlorobutadiene
Concen: 40.676 ng
RT: 8.33 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.7	76.1
227	62.1	52.6	78.8





#35

Caprolactam

Concen: 40.809 ng/ml

RT: 8.64 min Scan# 1114

Delta R.T. 0.02 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

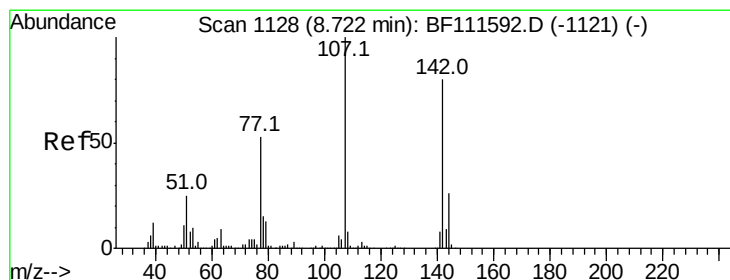
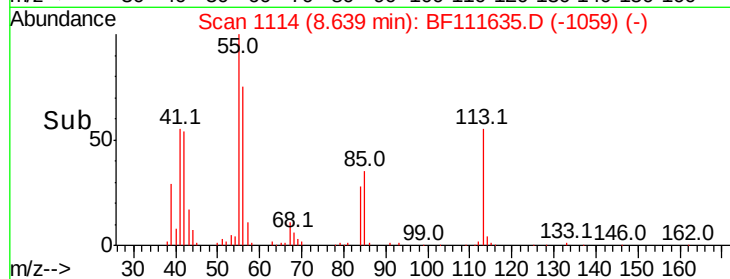
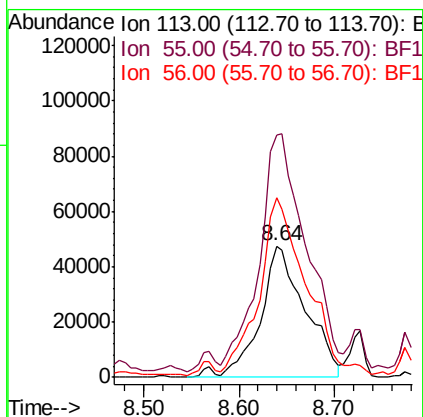
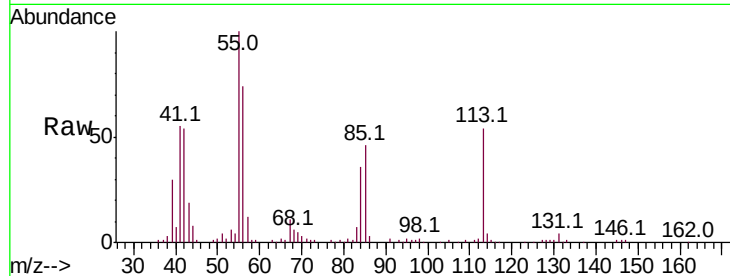
ClientSampled :

VB-1MS

Tot Ion:	113	Resp:	156104
Ion Ratio	Lower	Upper	
113	100		
55	185.5	184.1	224.1
56	137.2	126.0	166.0

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 45.713 ng/ml

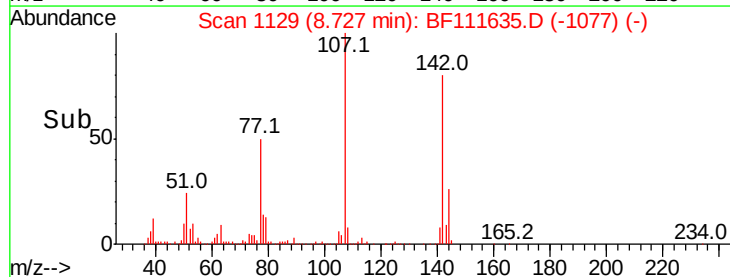
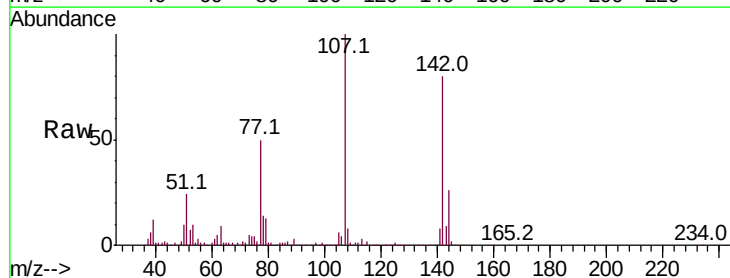
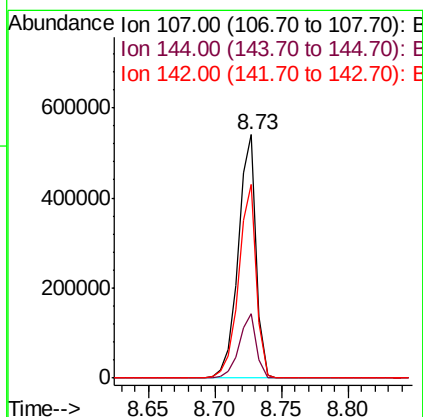
RT: 8.73 min Scan# 1129

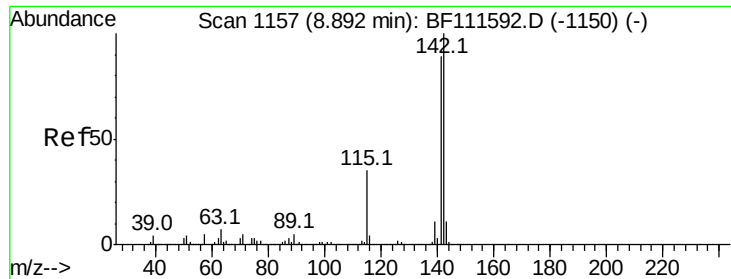
Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Tgt Ion:	107	Resp:	507258
Ion Ratio	Lower	Upper	
107	100		
144	26.3	19.8	29.6
142	79.8	62.3	93.5





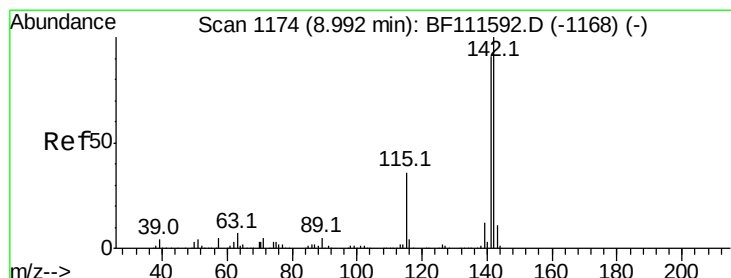
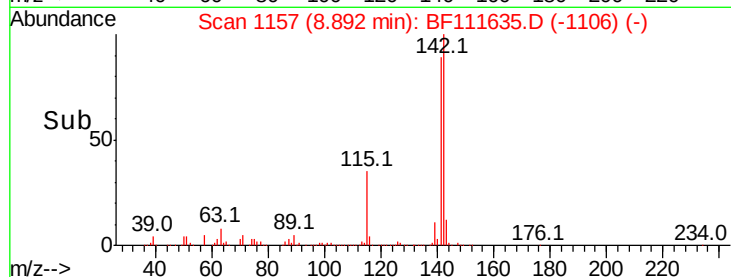
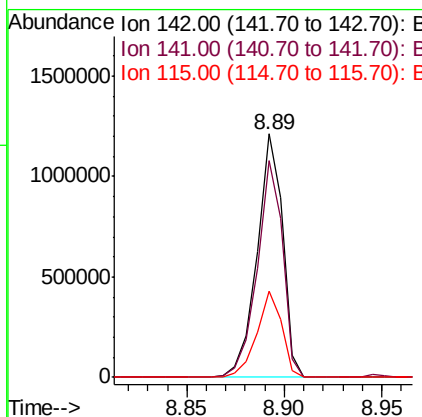
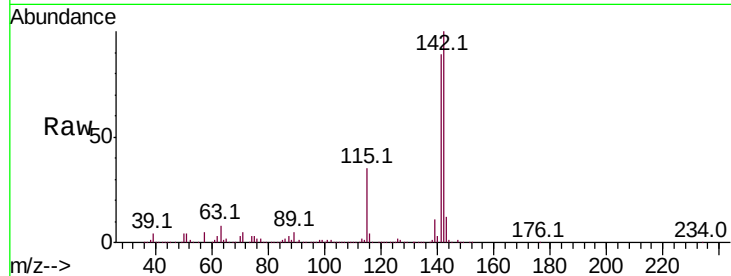
#37
2-Methylnaphthalene
Concen: 48.178 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.6	105.8
115	35.3	27.0	40.6

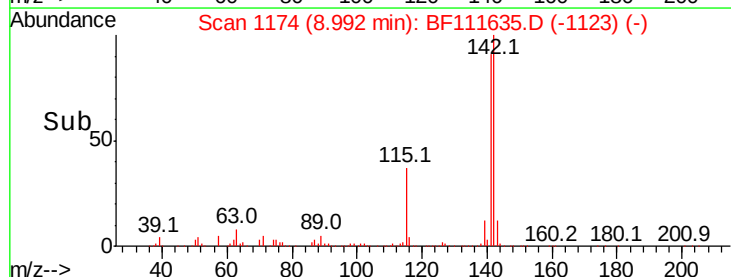
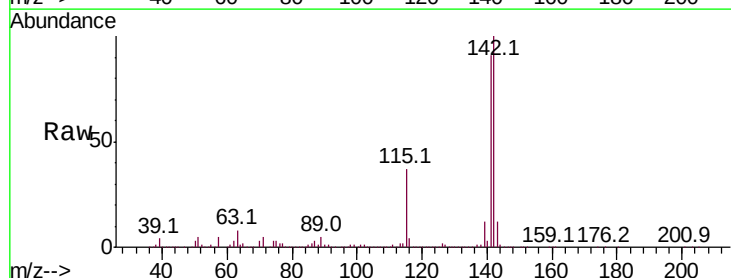
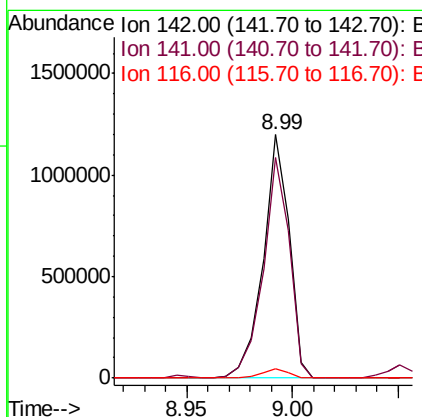
Manual Integrations
APPROVED

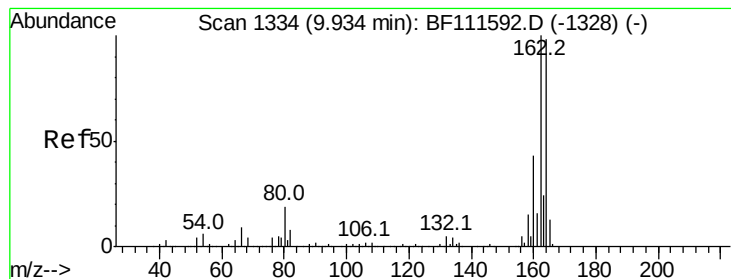
Sohil
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#38
1-Methylnaphthalene
Concen: 46.909 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	74.2	111.4
116	3.7	2.9	4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

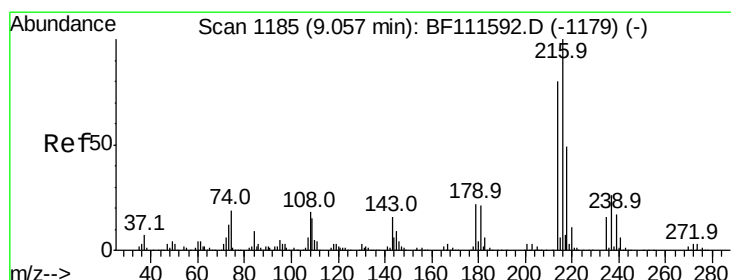
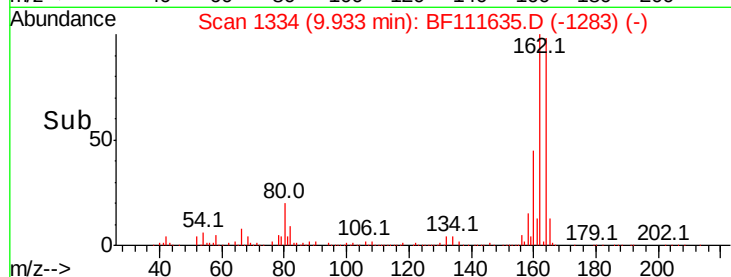
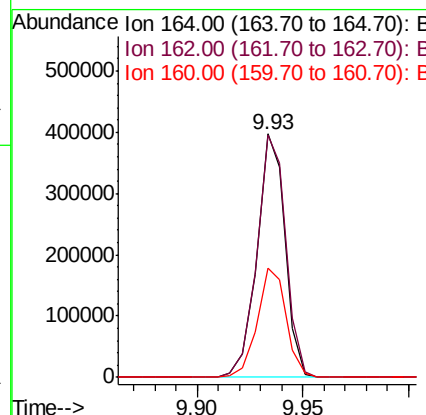
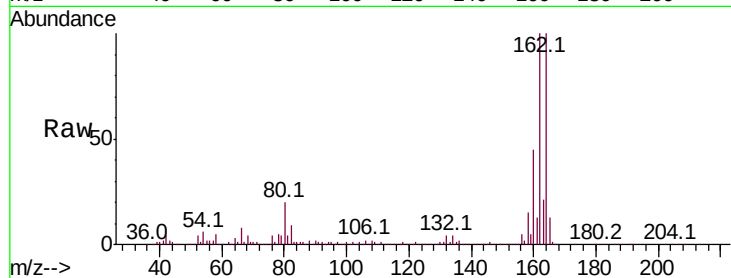
ClientSampleId :

VB-1MS

Tot Ion:	164	Resp:	368047
Ion Ratio	Lower	Upper	
164	100		
162	99.6	81.4	122.0
160	44.8	35.7	53.5

Manual Integrations
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12/21/2018 2:46:36 PM



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.890 ng

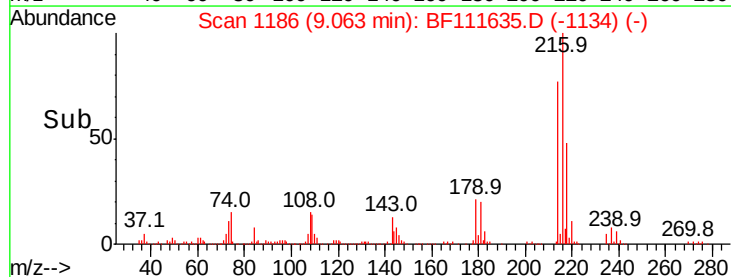
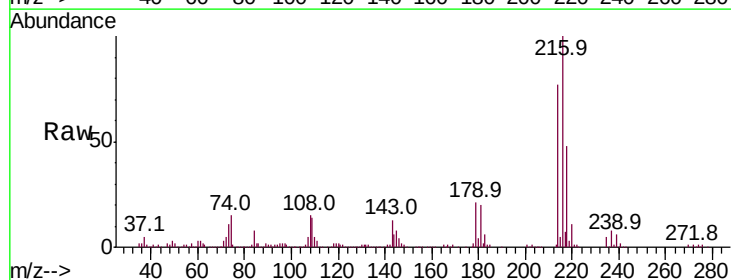
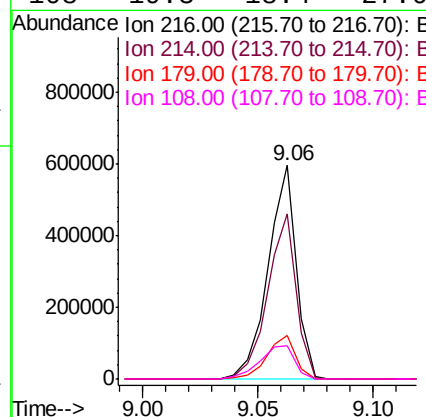
RT: 9.06 min Scan# 1186

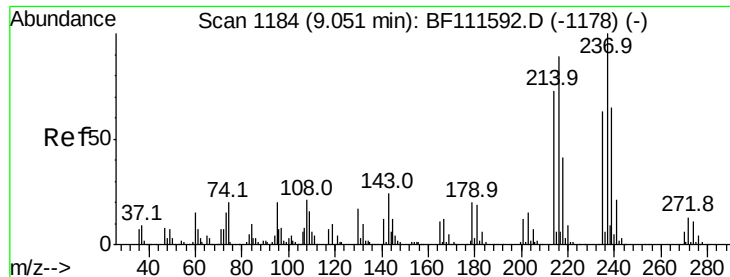
Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Tgt Ion:	216	Resp:	506611
Ion Ratio	Lower	Upper	
216	100		
214	78.6	63.8	95.8
179	21.2	17.9	26.9
108	19.3	18.4	27.6





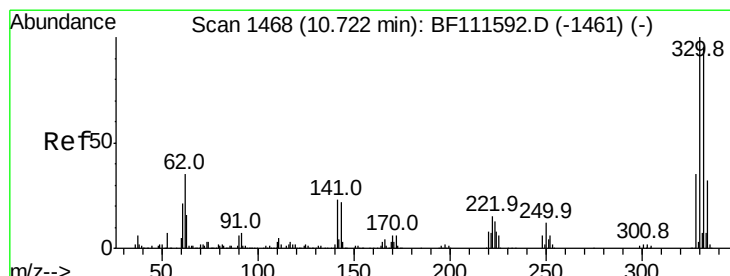
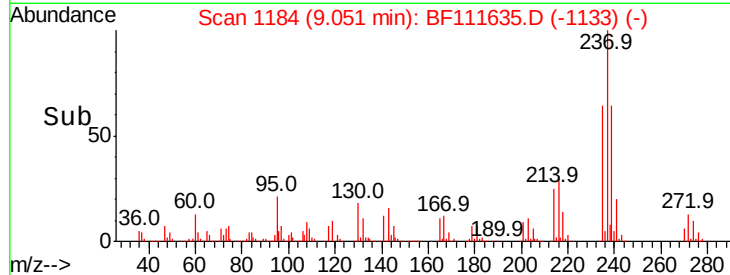
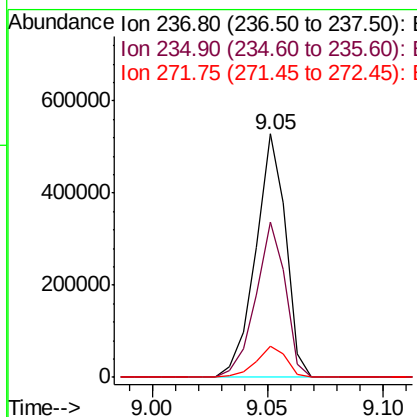
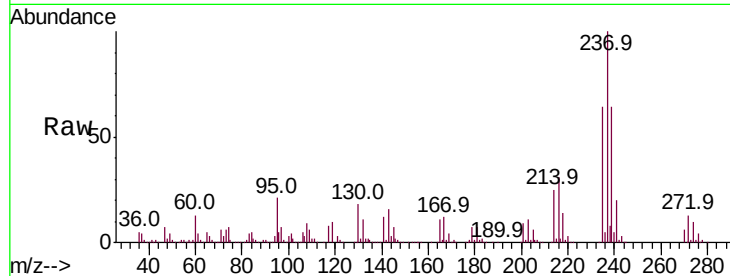
#41
 Hexachlorocyclopentadiene
 Concen: 81.828 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

Tot Ion:	237	Resp:	480228
Ion Ratio	Lower	Upper	
237	100		
235	63.7	43.1	83.1
272	13.0	0.0	33.0

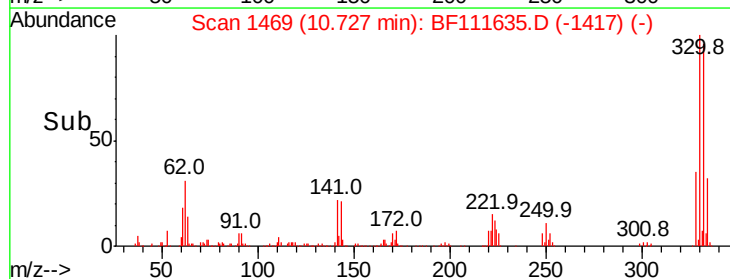
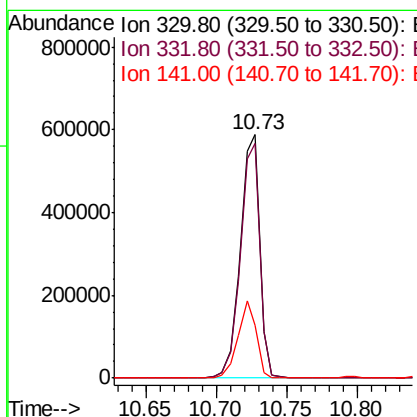
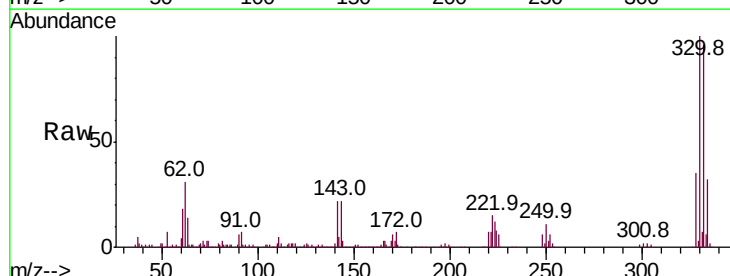
Manual Integrations
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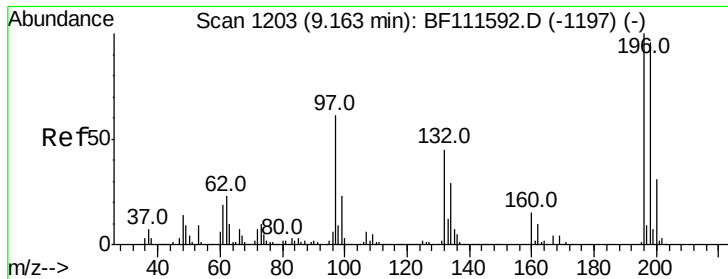
Sohil
 12/21/2018 2:46:36 PM



#42
 2,4,6-Tribromophenol
 Concen: 129.870 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion:	330	Resp:	564775
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.0	114.0
141	29.7	31.0	46.6#





#43

2,4,6-Trichlorophenol

Concen: 44.228 ng

RT: 9.17 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

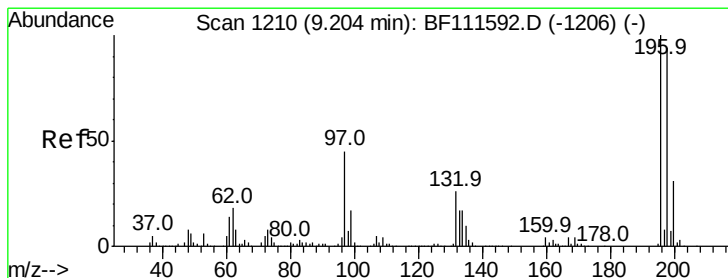
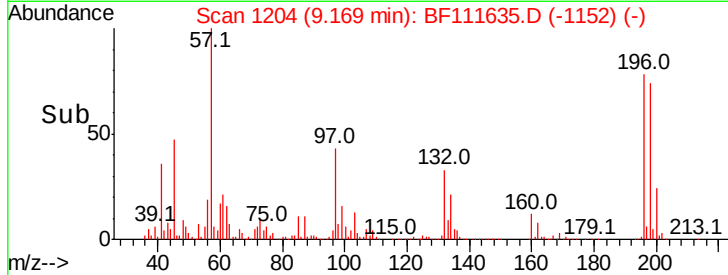
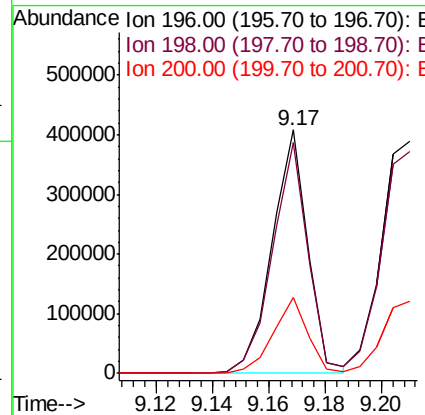
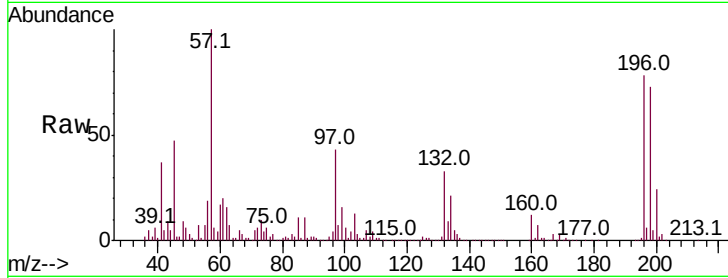
ClientSampled :

VB-1MS

Tot Ion:	196	Resp:	357120
Ion Ratio	Lower	Upper	
196	100		
198	94.6	76.3	114.5
200	31.1	24.9	37.3

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#44

2,4,5-Trichlorophenol

Concen: 45.640 ng

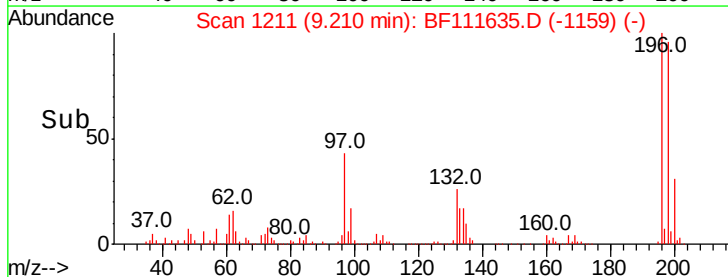
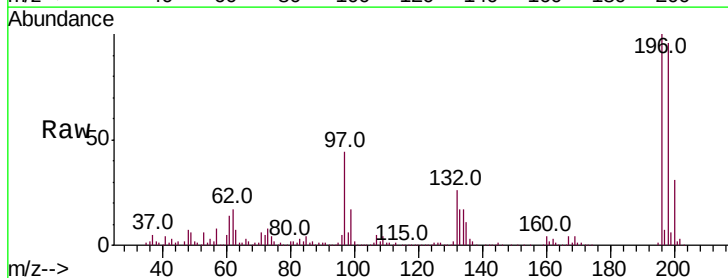
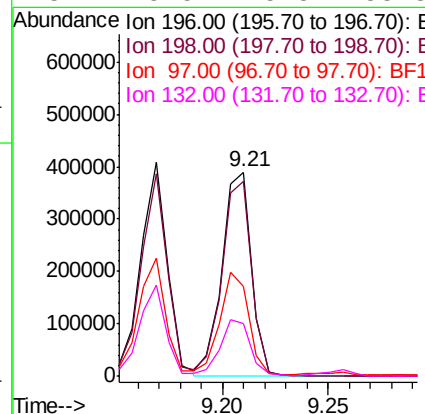
RT: 9.21 min Scan# 1211

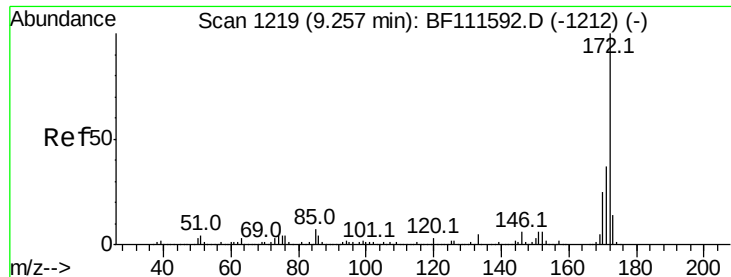
Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Tgt Ion:	196	Resp:	378066
Ion Ratio	Lower	Upper	
196	100		
198	95.7	72.9	109.3
97	43.9	45.3	67.9#
132	25.5	25.5	38.3





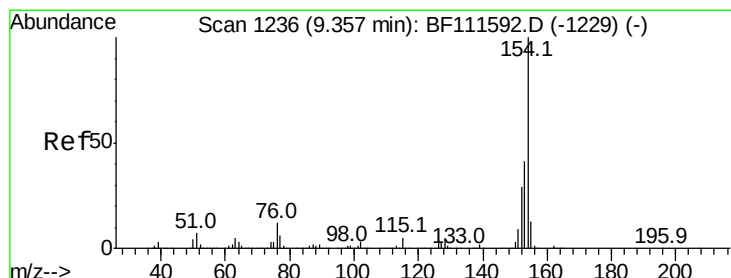
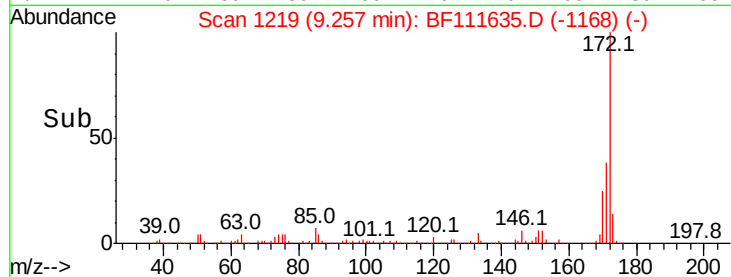
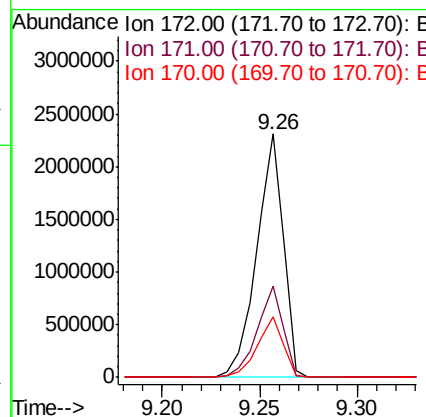
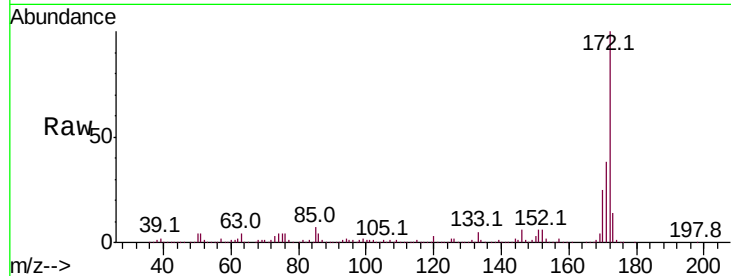
#45
2-Fluorobiphenyl
Concen: 86.260 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	33.0	49.4
170	24.9	22.3	33.5

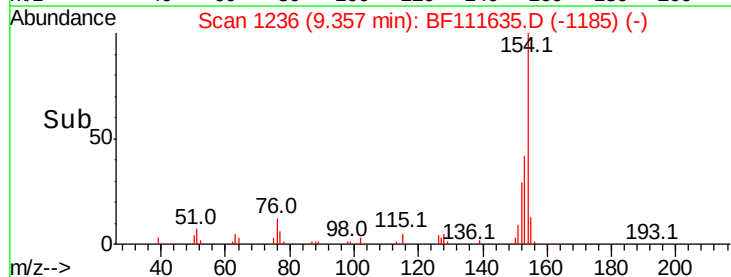
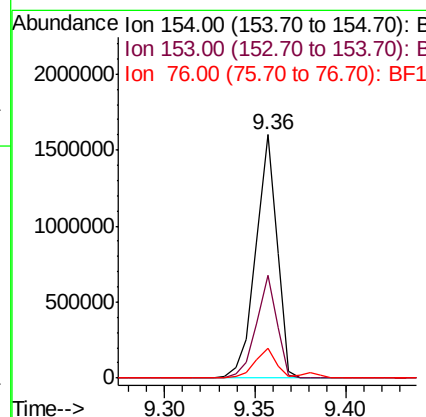
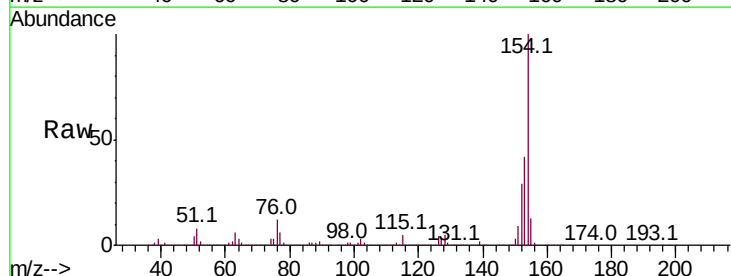
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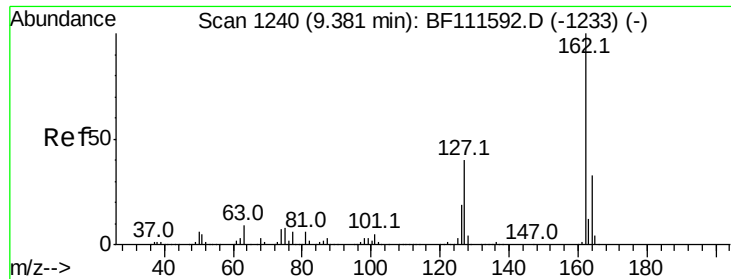
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#46
1,1'-Biphenyl
Concen: 42.015 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	23.7	63.7
76	12.4	0.0	35.0





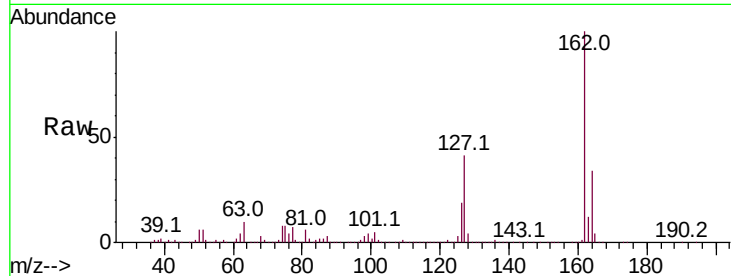
#47
 2-Chloronaphthalene
 Concen: 41.640 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Instrument :
 BNA_F
 ClientSampled :
 VB-1MS

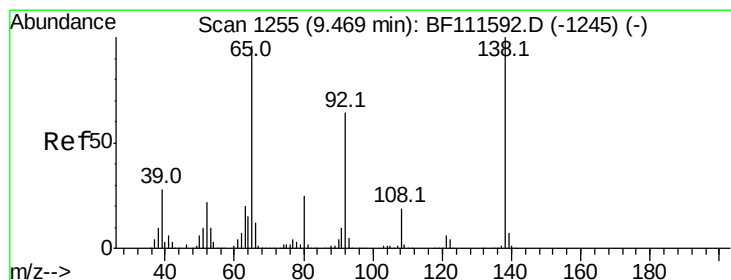
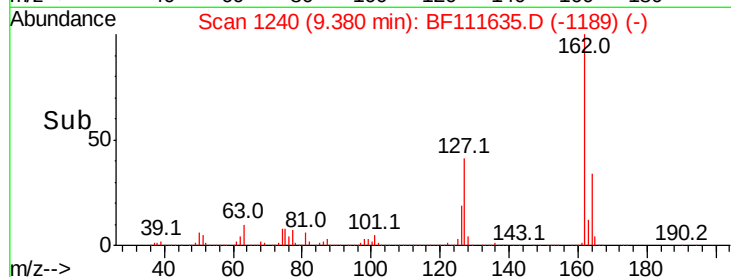
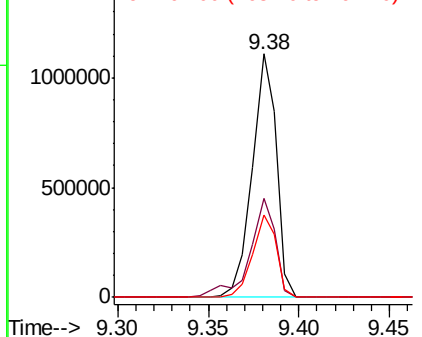
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.6	35.0	52.4
164	33.6	28.4	42.6

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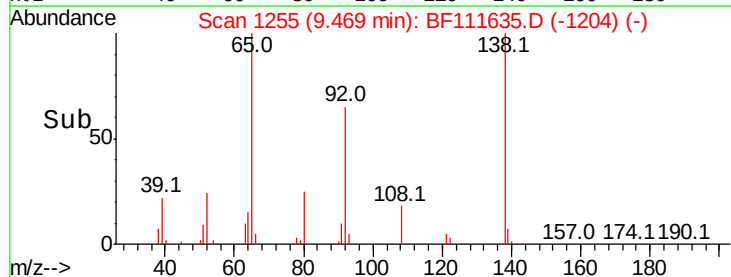
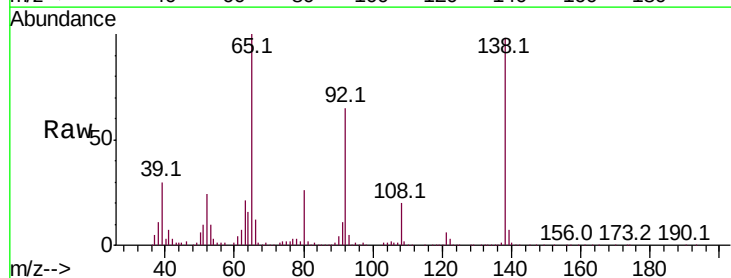
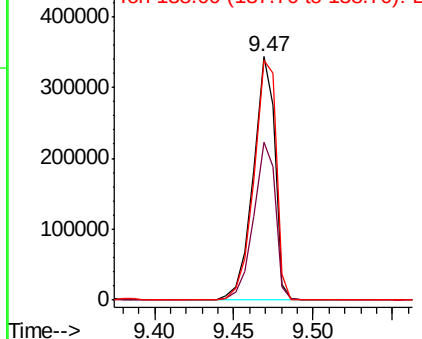
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

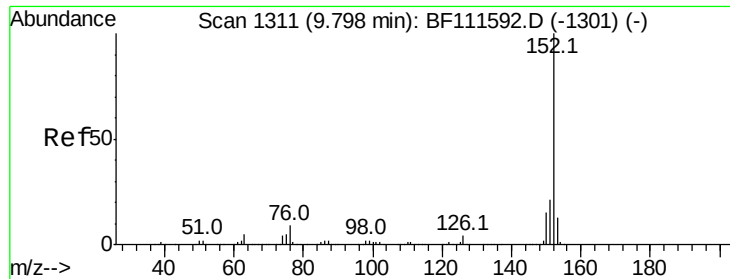


#48
 2-Nitroaniline
 Concen: 50.475 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.6	53.5	80.3
138	98.5	80.9	121.3

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: 45.243 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

Tot Ion:152 Resp: 1626040

Ion Ratio Lower Upper

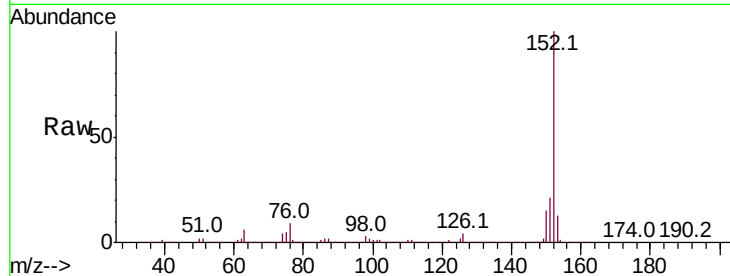
152 100

151 20.6 18.0 27.0

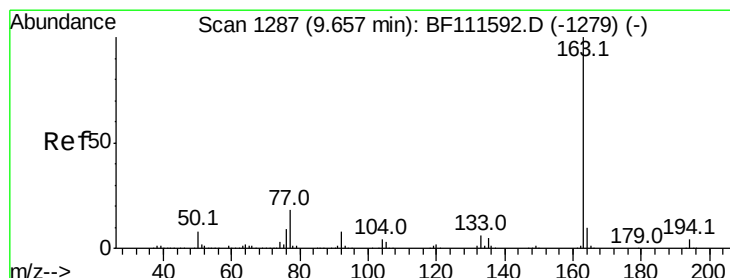
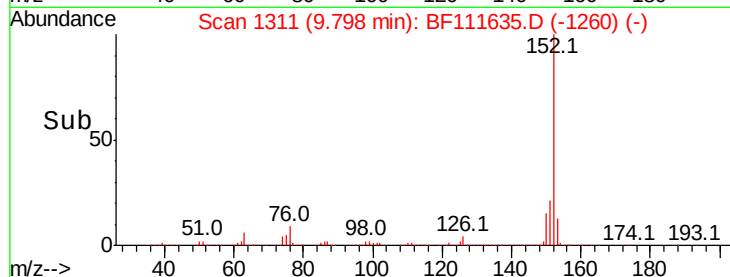
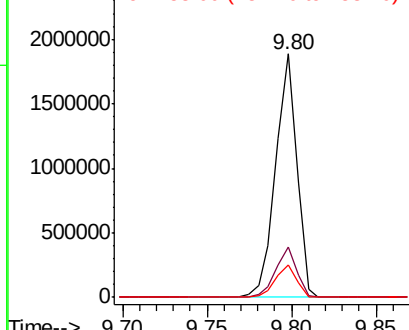
153 13.3 12.3 18.5

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



#50

Dimethylphthalate

Concen: 52.539 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

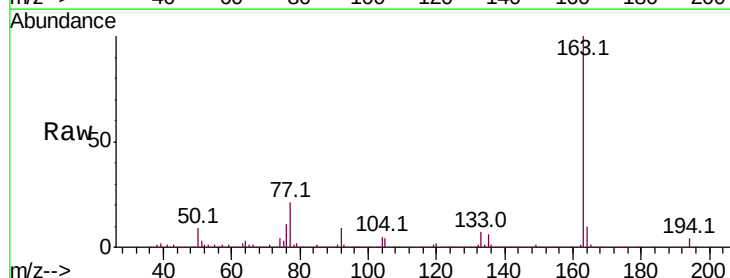
Tgt Ion:163 Resp: 1414054

Ion Ratio Lower Upper

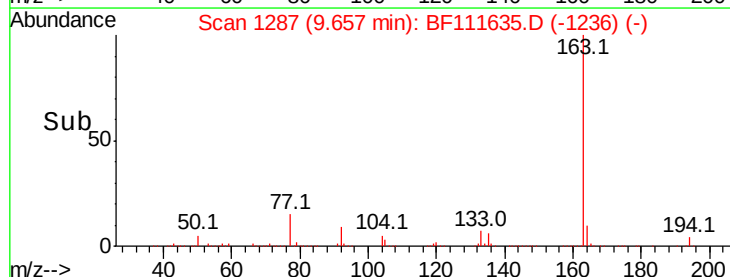
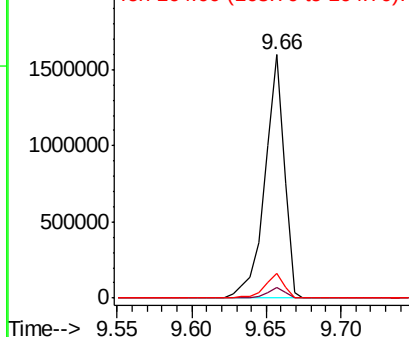
163 100

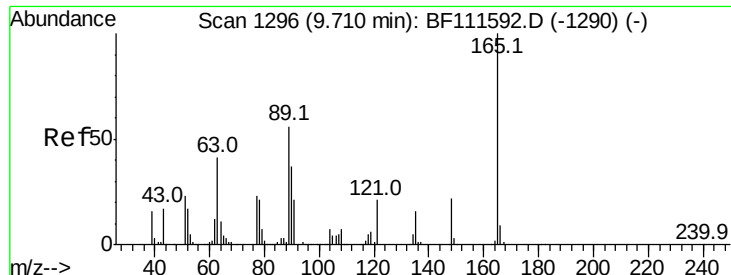
194 4.2 3.0 4.6

164 10.4 8.9 13.3



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





#51

2,6-Dinitrotoluene

Concen: 50.293 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampled :

VB-1MS

Tot Ion:165 Resp: 269906
Ion Ratio Lower Upper

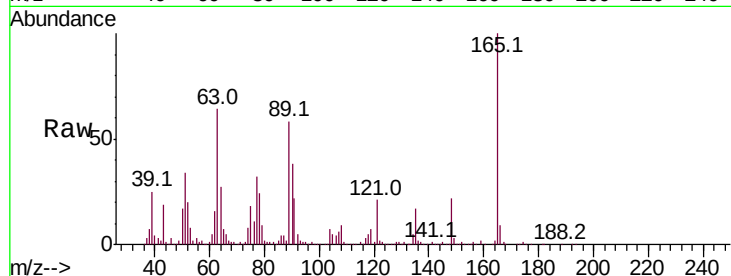
165 100

63 63.5 40.5 60.7#

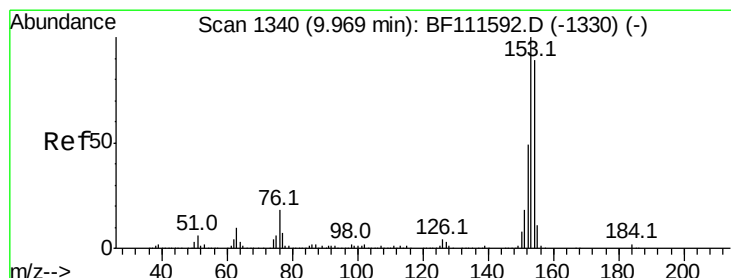
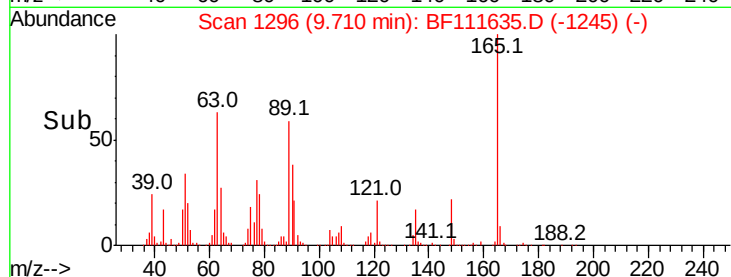
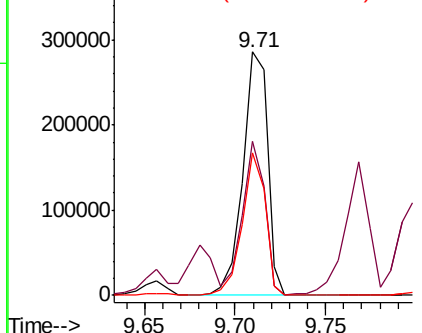
89 58.5 40.0 60.0

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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: 46.049 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BF111635.D

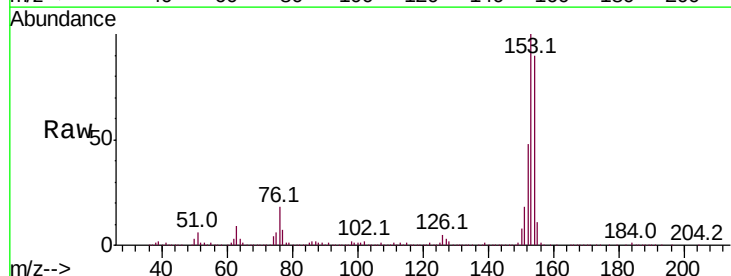
Acq: 20 Dec 2018 13:17

Tgt Ion:154 Resp: 1020751
Ion Ratio Lower Upper

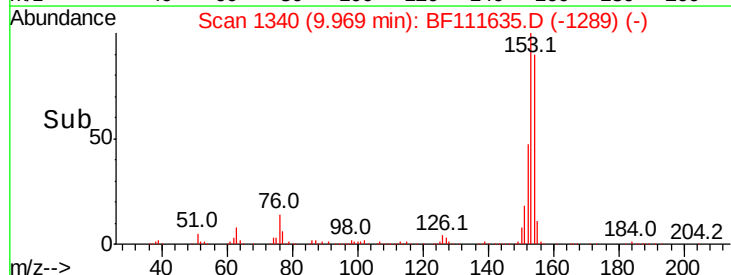
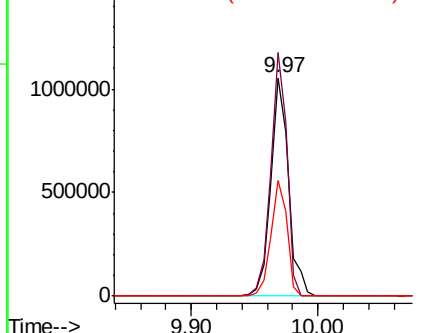
154 100

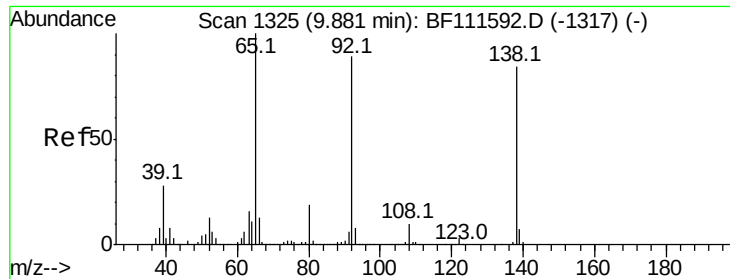
153 111.5 87.8 131.8

152 53.2 43.4 65.2



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





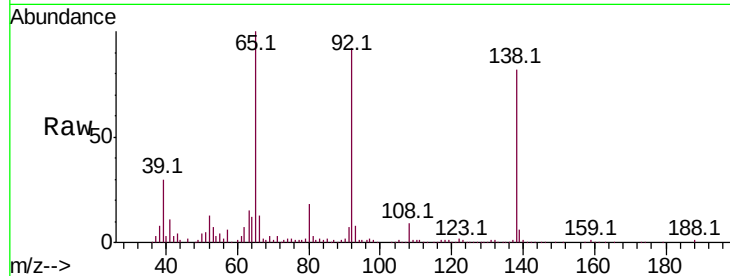
#53
3-Nitroaniline
Concen: 28.905 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.2	12.4
92	111.4	93.4	140.2

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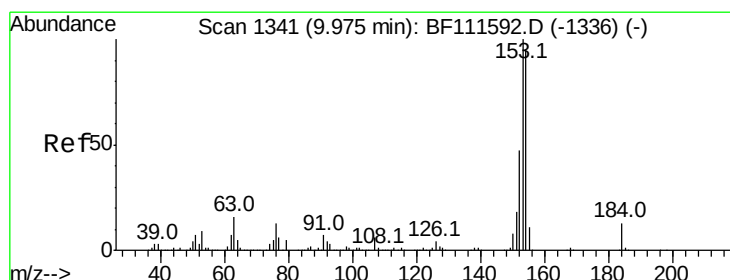
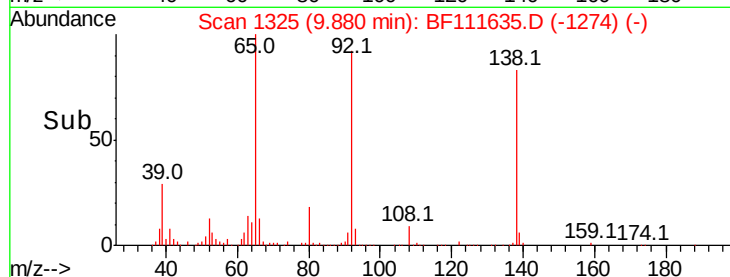
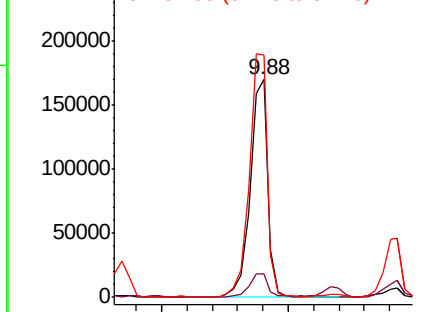


Abundance

Ion 138.00 (137.70 to 138.70): E

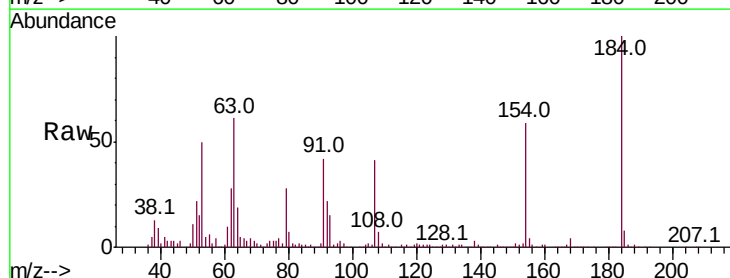
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 99.788 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.9	62.3	93.5#
154	58.7	56.2	84.2

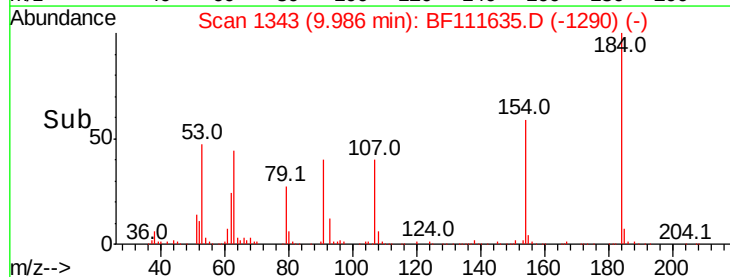
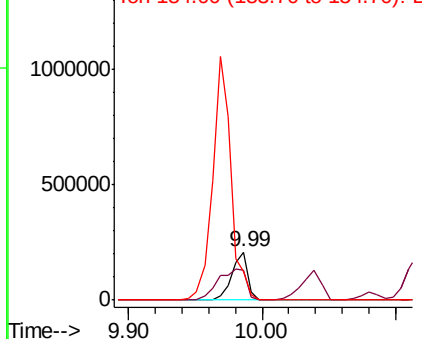


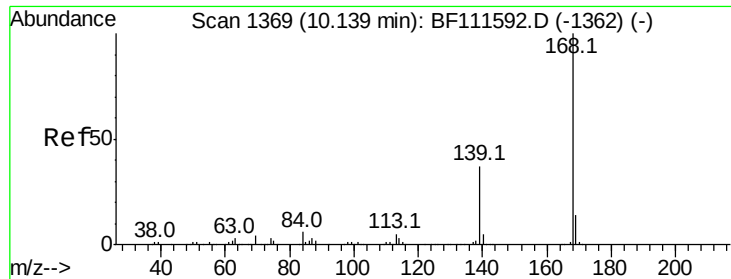
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 42.497 ng

RT: 10.14 min Scan# 1369

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampled :

VB-1MS

Tot Ion:168 Resp: 1423180

Ion Ratio Lower Upper

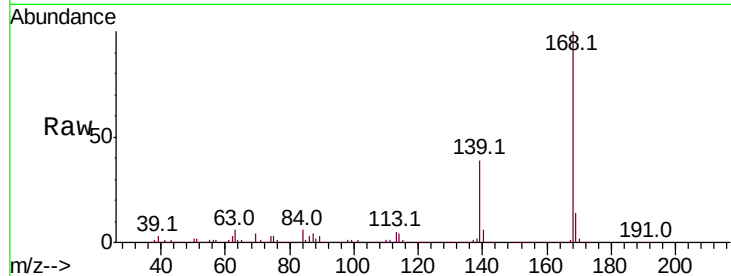
168 100

139 38.5 32.6 49.0

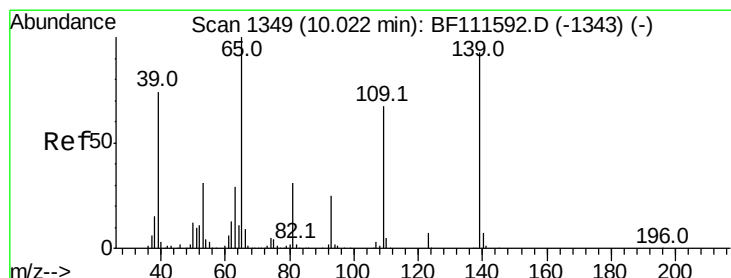
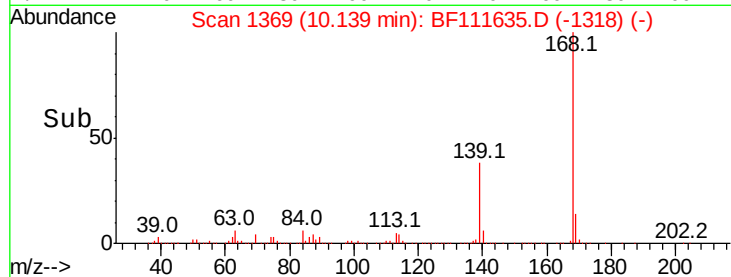
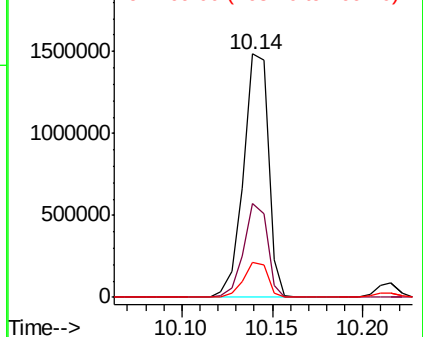
169 14.1 11.8 17.6

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Abundance Ion 168.00 (167.70 to 168.70): E
2000000
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 97.673 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.02 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

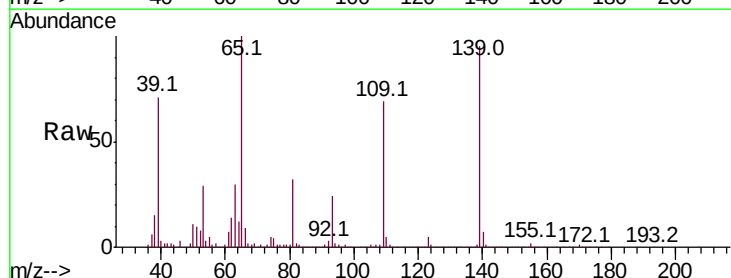
Tgt Ion:139 Resp: 426630

Ion Ratio Lower Upper

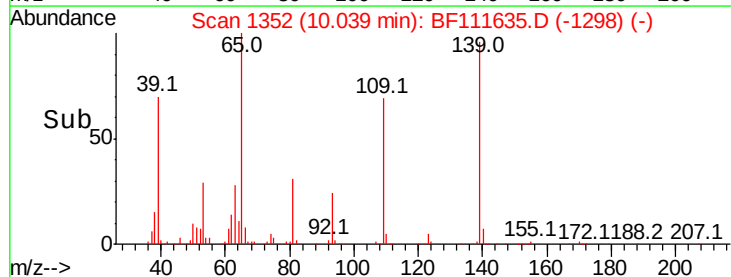
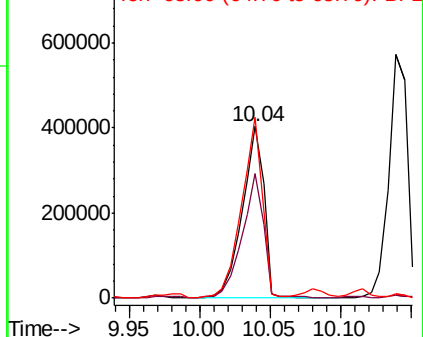
139 100

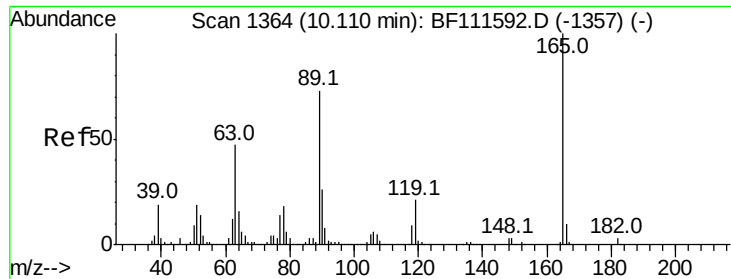
109 73.0 41.8 81.8

65 105.2 79.6 119.6



Abundance Ion 139.00 (138.70 to 139.70): E
800000
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





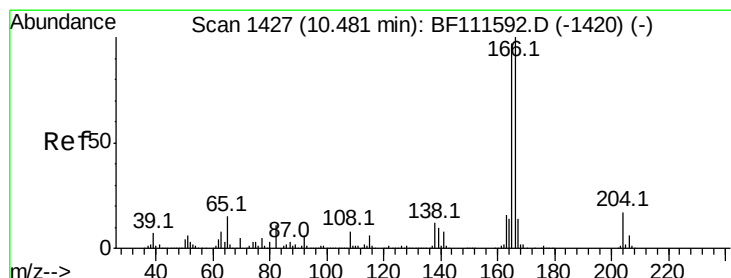
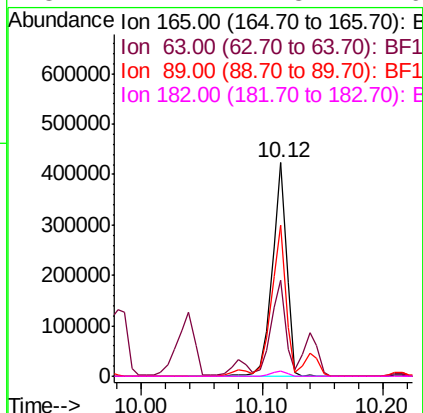
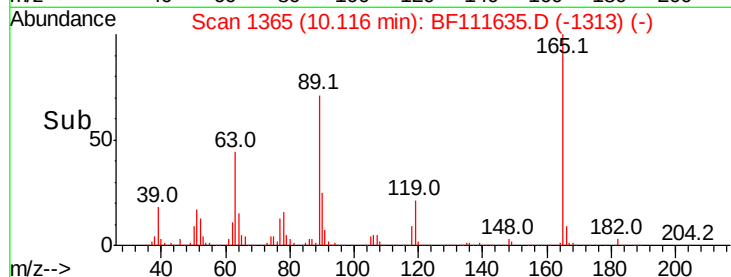
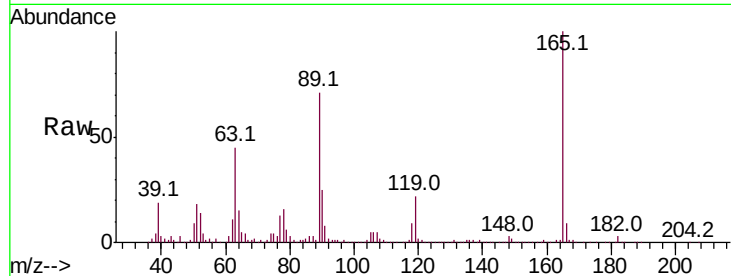
#57
2,4-Dinitrotoluene
Concen: 54.344 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampled :
VB-1MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	350518		
63	44.7	34.6	52.0	
89	70.5	56.2	84.4	
182	2.7	1.8	2.6	

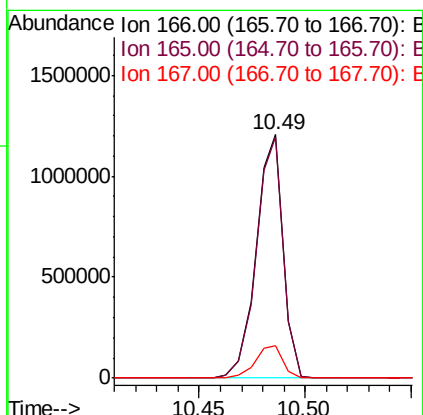
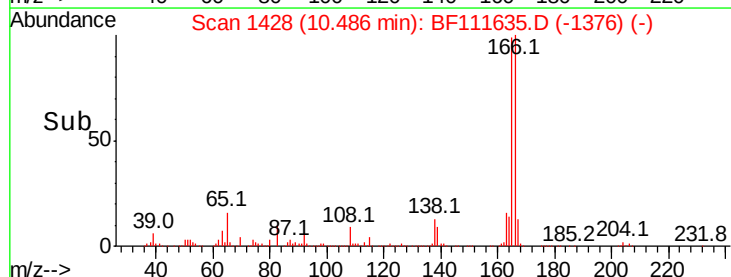
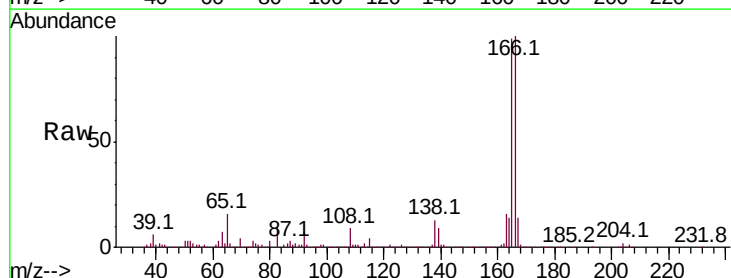
Manual Integrations
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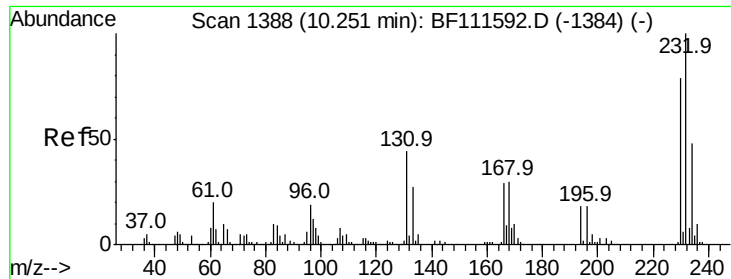
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#58
Fluorene
Concen: 44.198 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1066571		
165	99.2	78.4	117.6	
167	13.5	11.2	16.8	





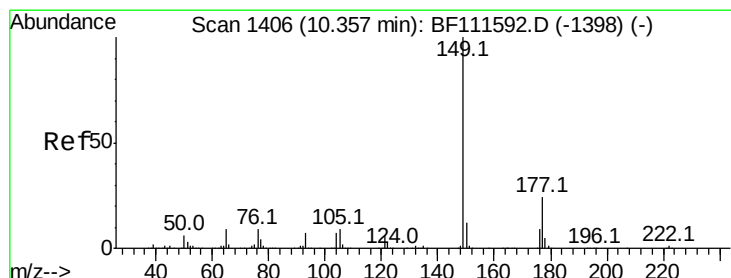
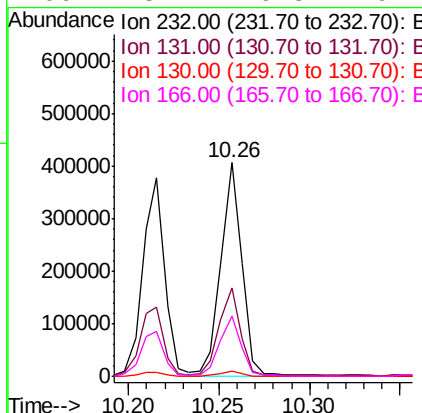
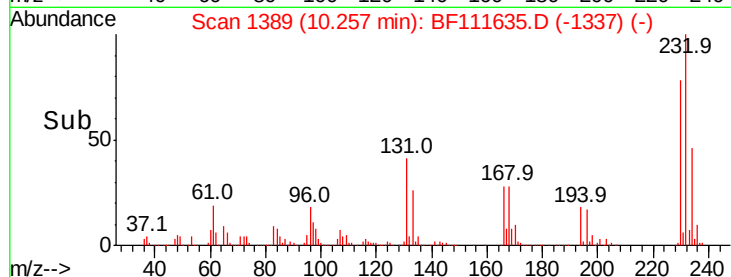
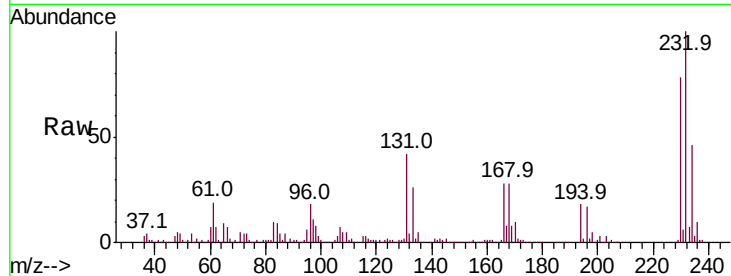
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.042 ng
RT: 10.26 min Scan# 1389
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	327941		
131	41.9		40.9	61.3
130	2.3		2.0	3.0
166	28.4		26.8	40.2

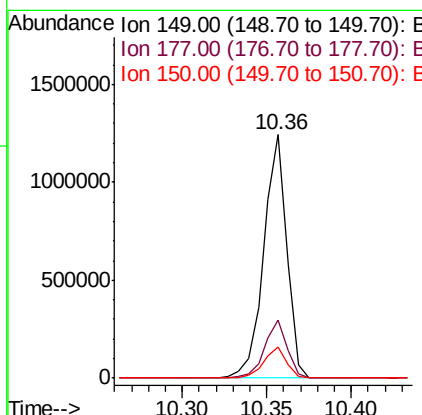
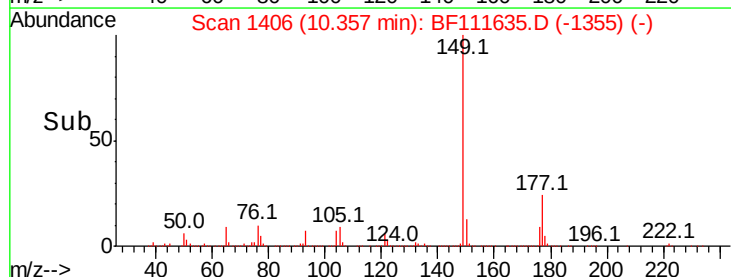
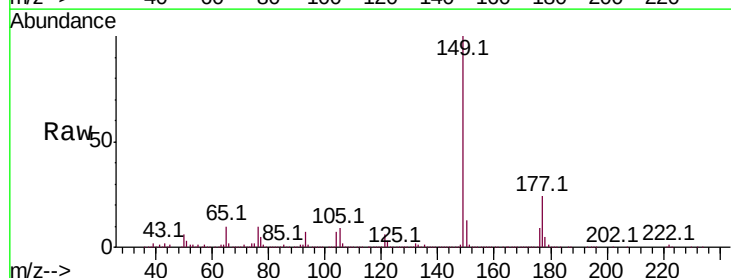
Manual Integrations
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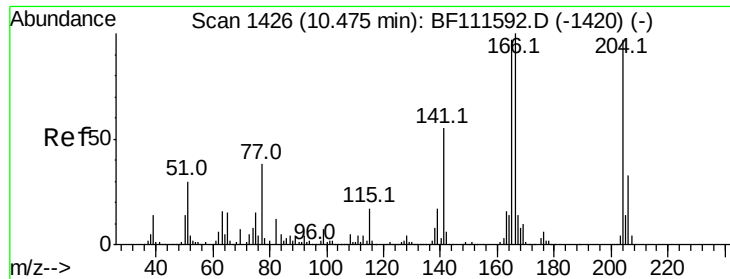
Sohil
12/21/2018 2:46:36 PM



#60
Diethylphthalate
Concen: 44.180 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1166401		
177	23.8		18.3	27.5
150	12.8		10.6	15.8





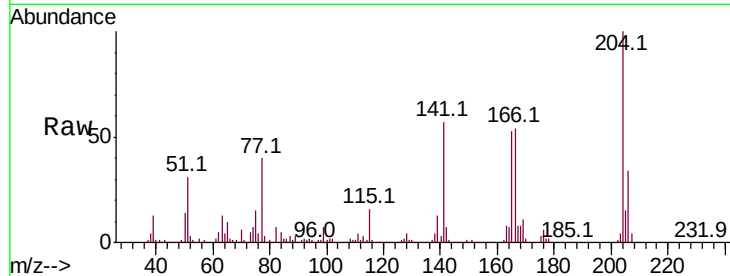
#61
4-Chlorophenyl-phenylether
Concen: 40.805 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampled :
VB-1MS

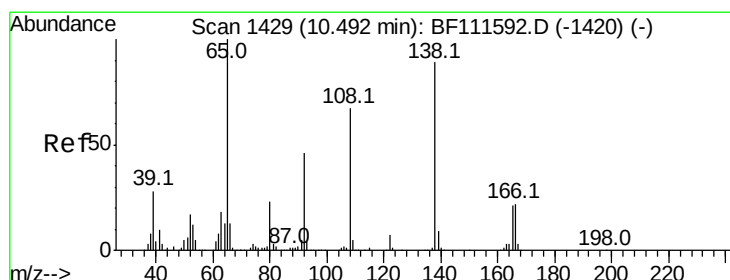
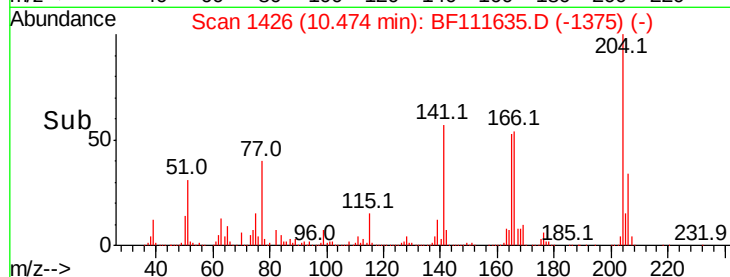
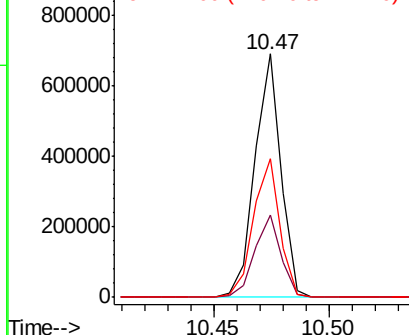
Tot Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.6	39.8
141	57.0	52.6	78.8

Manual Integrations
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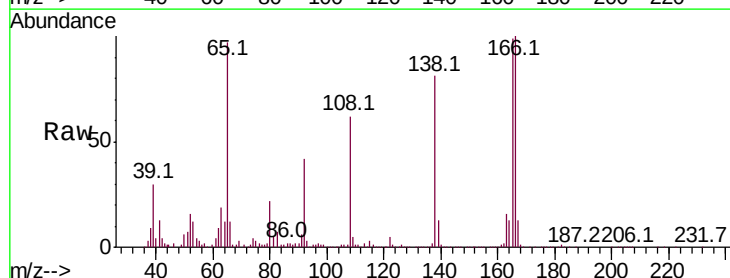


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

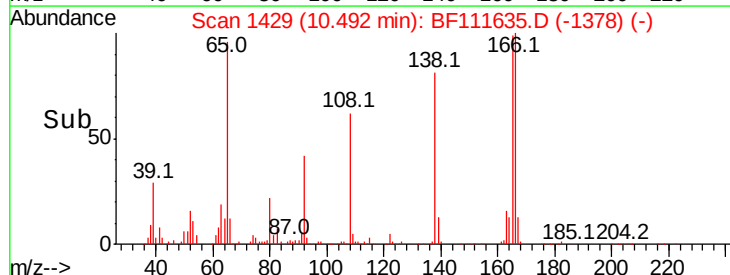
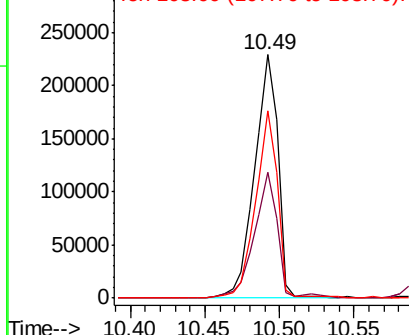


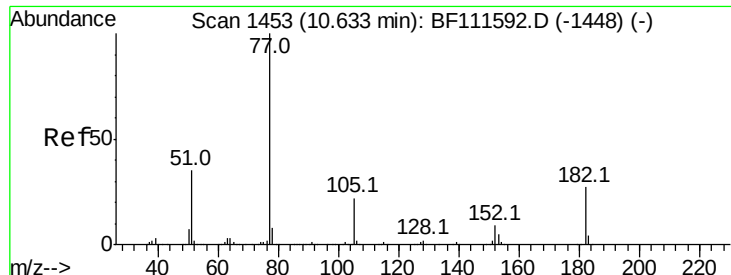
#62
4-Nitroaniline
Concen: 44.088 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.9	29.9	69.9
108	76.7	43.2	83.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





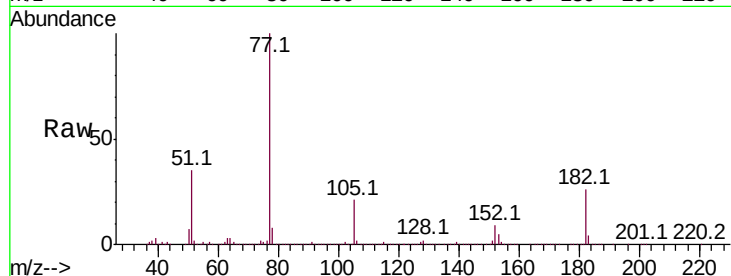
#63
Azobenzene
Concen: 40.919 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion	Ratio	Lower	Upper
77	100		
182	25.6	4.9	44.9
105	21.1	6.0	46.0
51	34.8	14.7	54.7

Manual Integrations
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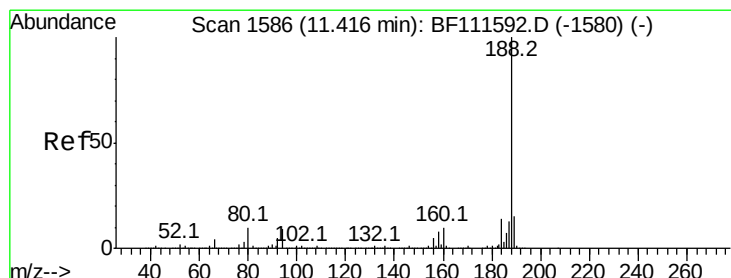
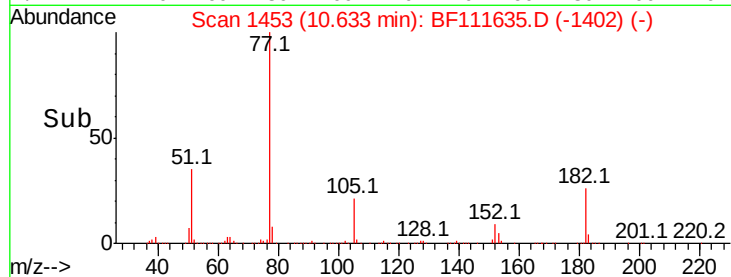
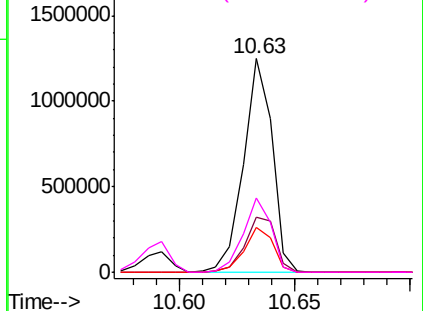
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

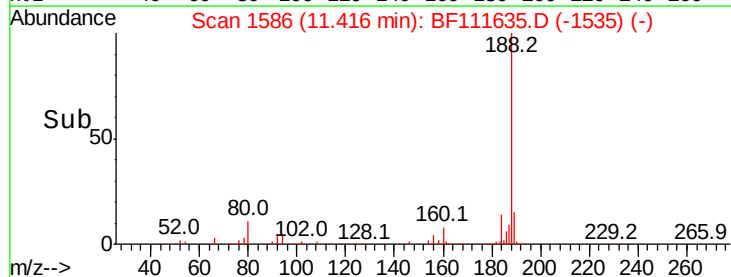
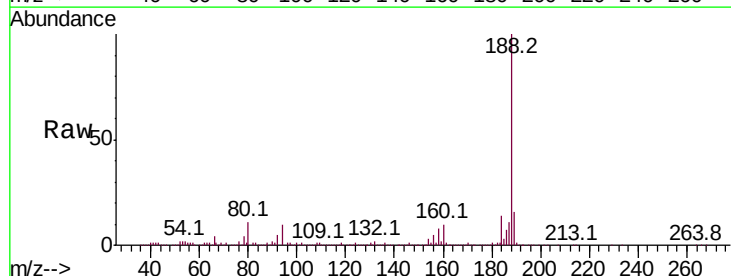
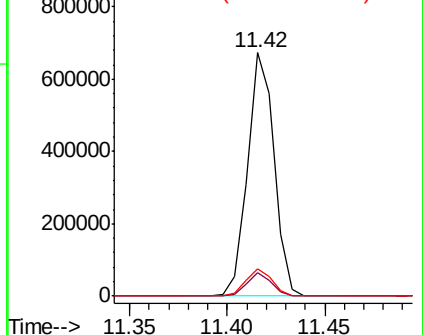
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.6	14.4#
80	11.4	9.8	14.6

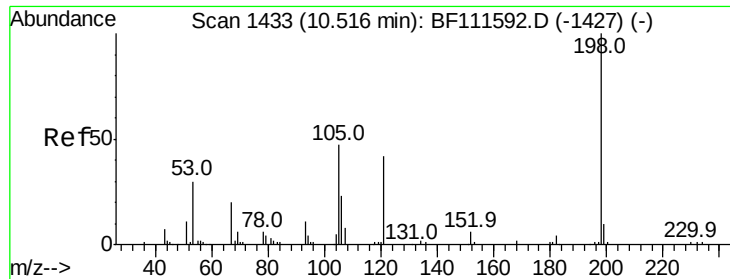
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





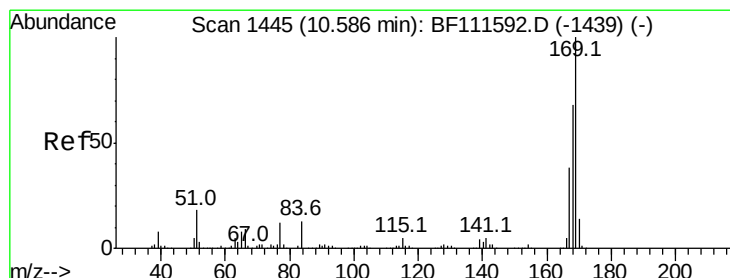
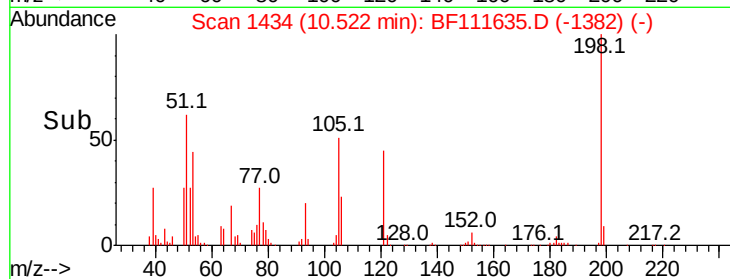
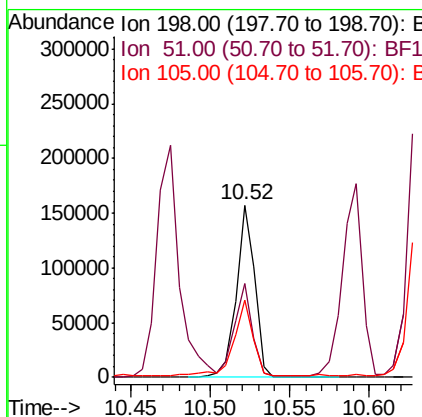
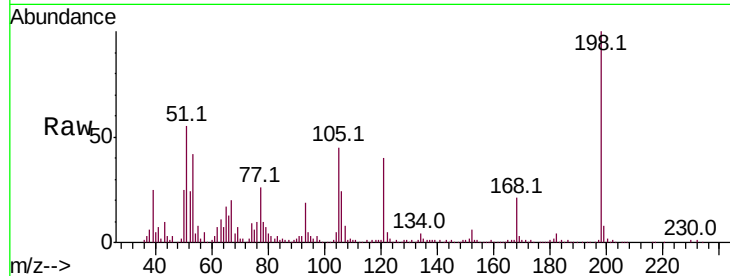
#65
4,6-Dinitro-2-methylphenol
Concen: 48.313 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampled :
VB-1MS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	126682		
51	54.6	48.0	88.0	
105	45.1	34.0	74.0	

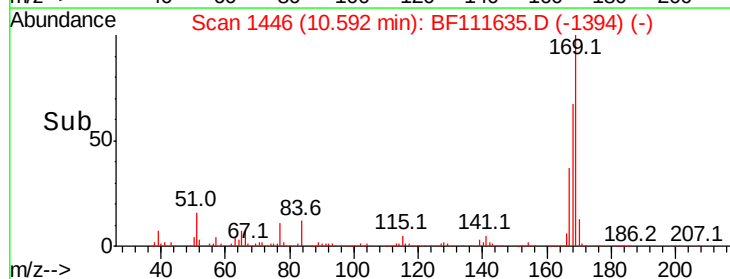
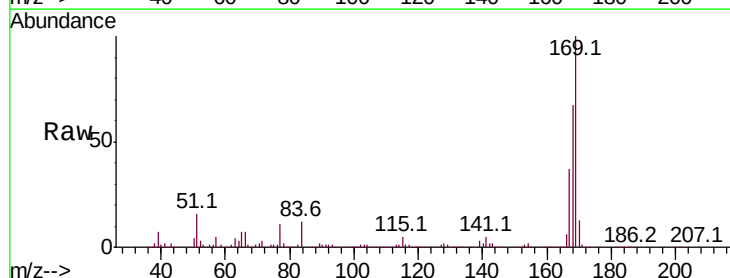
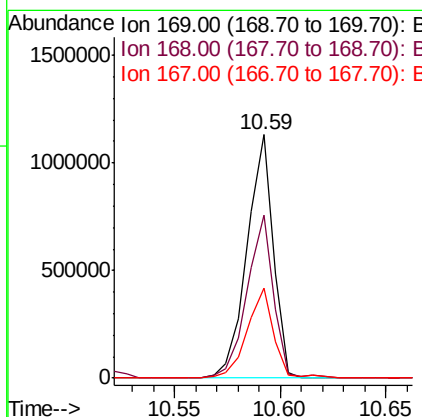
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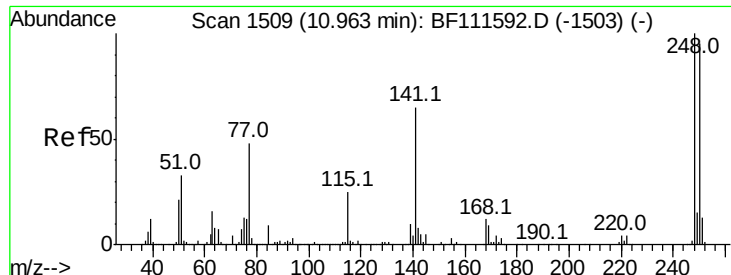
Sohil
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#66
n-Nitrosodiphenylamine
Concen: 46.112 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	981022		
168	66.9	54.4	81.6	
167	37.0	30.5	45.7	





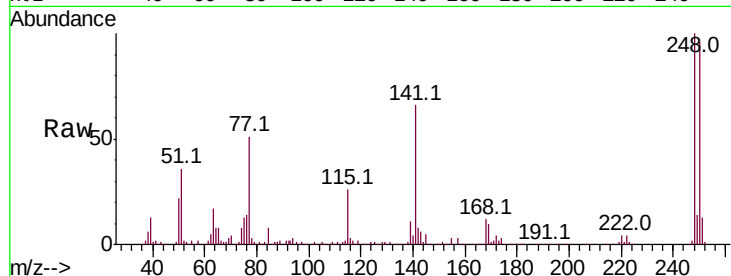
#67
4-Bromophenyl-phenylether
Concen: 44.250 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampled :
VB-1MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.6	77.0	115.4
141	66.1	63.0	94.6

Manual Integrations
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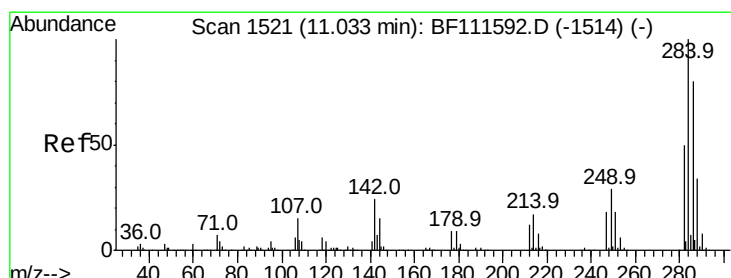
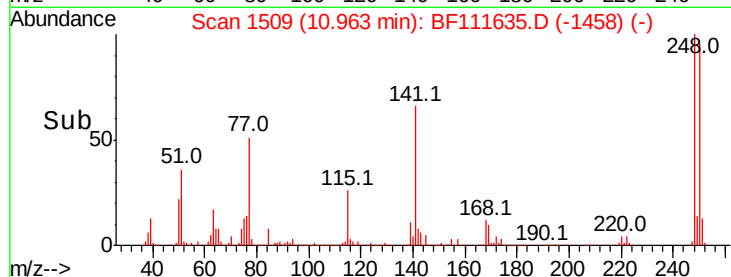
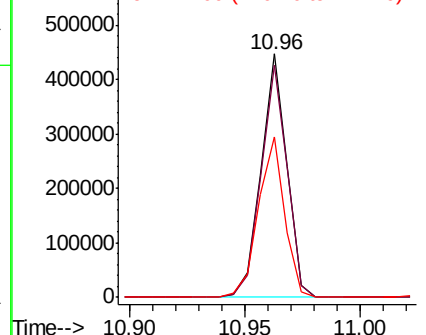


Abundance

Ion 248.00 (247.70 to 248.70): E

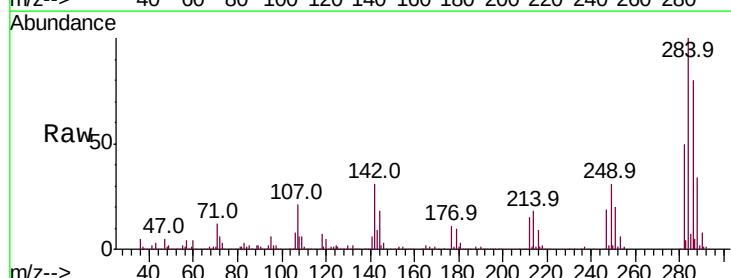
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 42.579 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.8	27.4	41.2
249	30.7	24.4	36.6

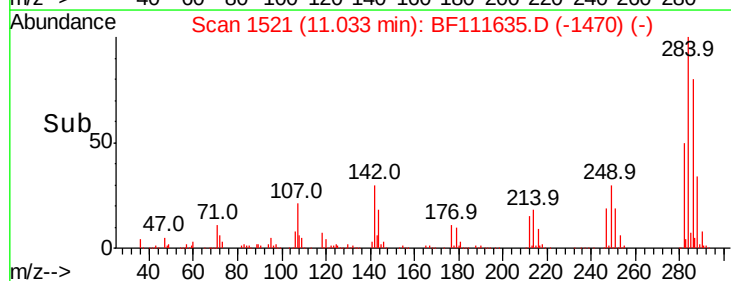
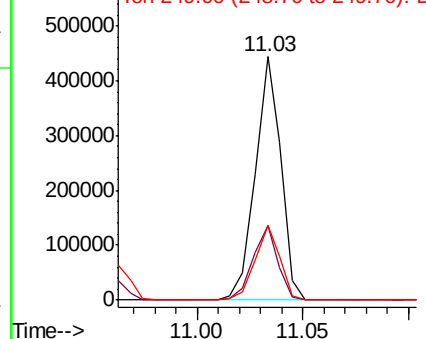


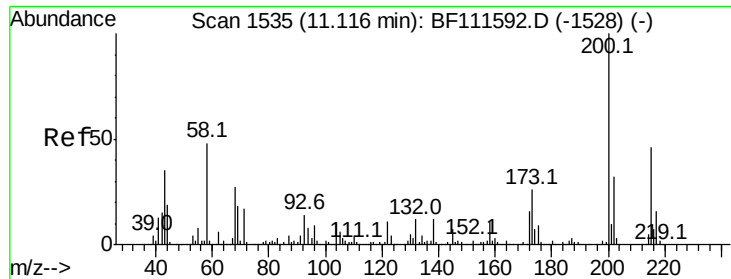
Abundance

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





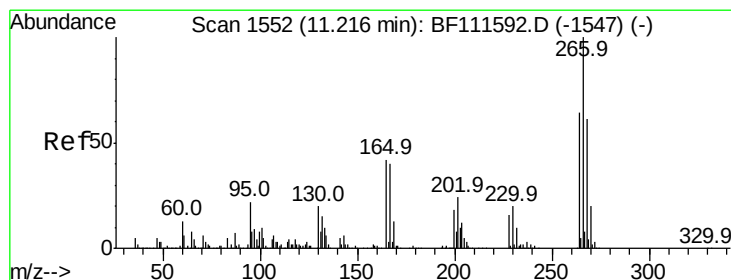
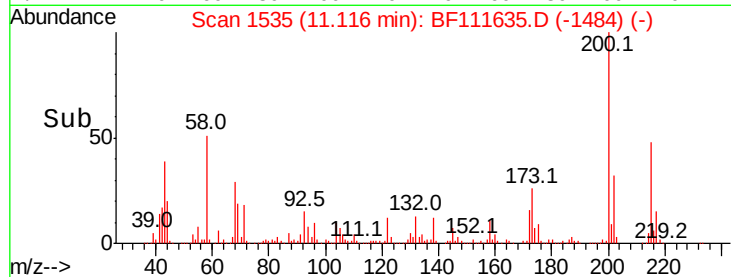
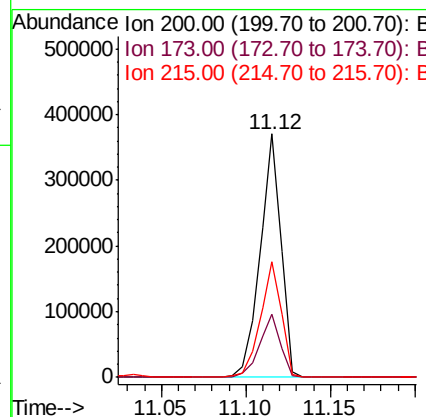
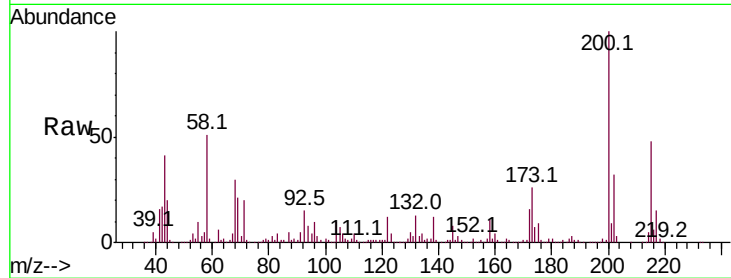
#69
Atrazine
Concen: 43.409 ng
RT: 11.12 min Scan# 1535
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampled :
VB-1MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.9	10.1	50.1
215	47.7	26.9	66.9

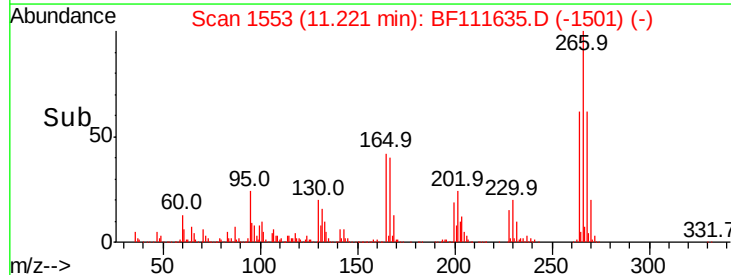
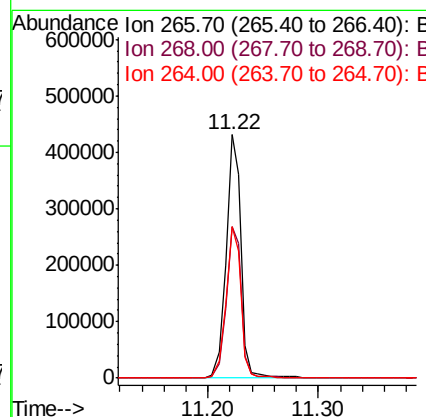
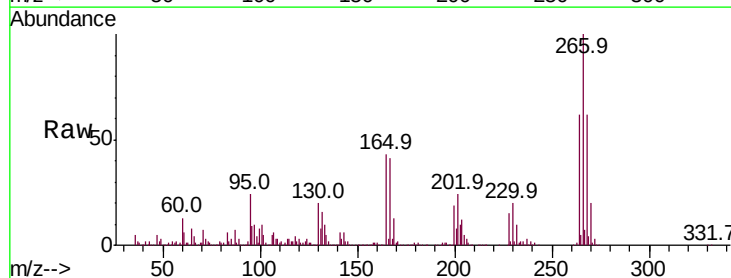
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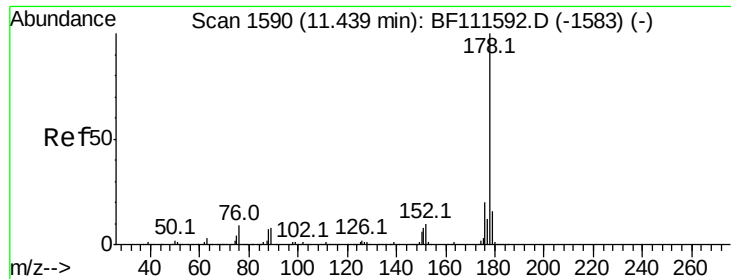
Sohil
12/21/2018 2:46:36 PM



#70
Pentachlorophenol
Concen: 74.579 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.2	47.9	71.9
264	62.3	49.1	73.7





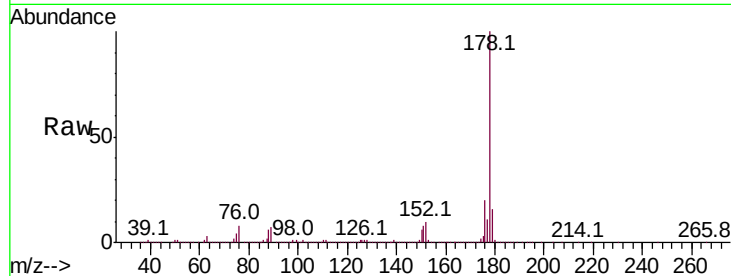
#71
Phenanthrene
Concen: 44.938 ng
RT: 11.44 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

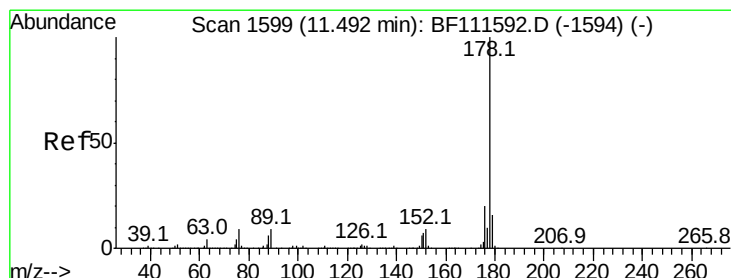
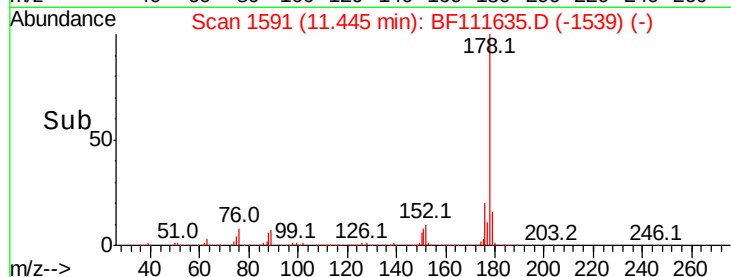
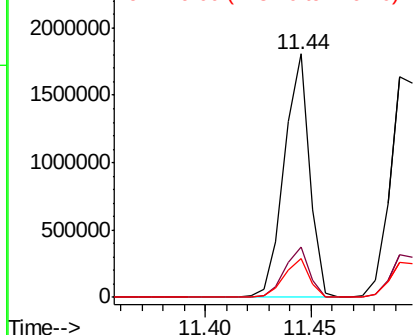
Tot Ion:178 Resp: 1510451
Ion Ratio Lower Upper
178 100
176 20.4 18.1 27.1
179 16.0 14.0 21.0

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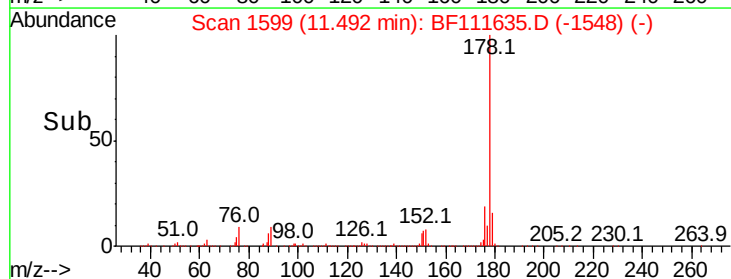
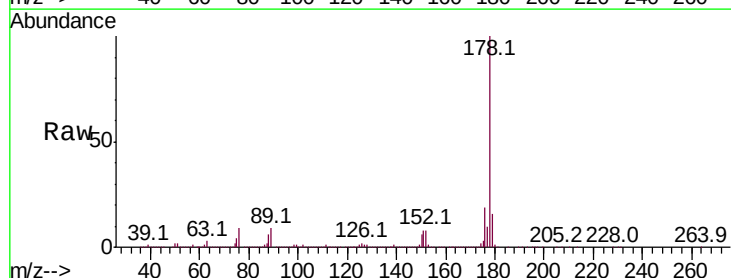
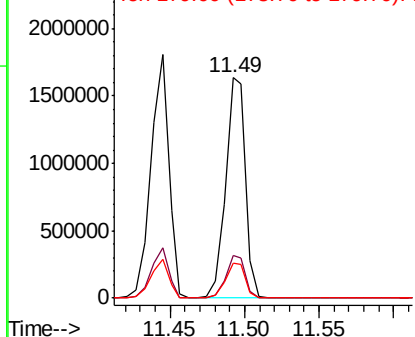
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

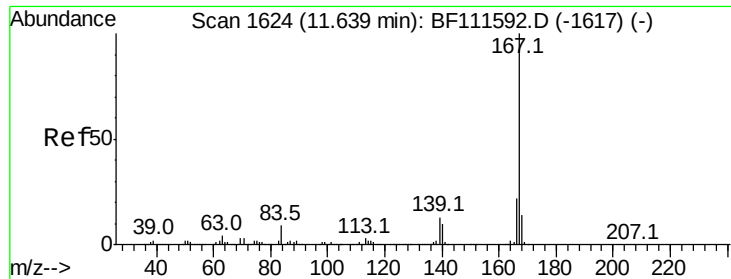


#72
Anthracene
Concen: 45.540 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion:178 Resp: 1536424
Ion Ratio Lower Upper
178 100
176 19.2 17.2 25.8
179 15.8 13.8 20.8

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





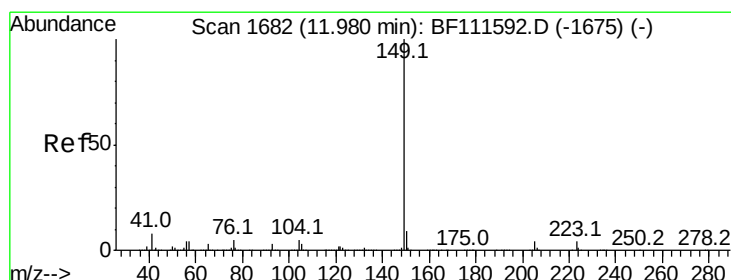
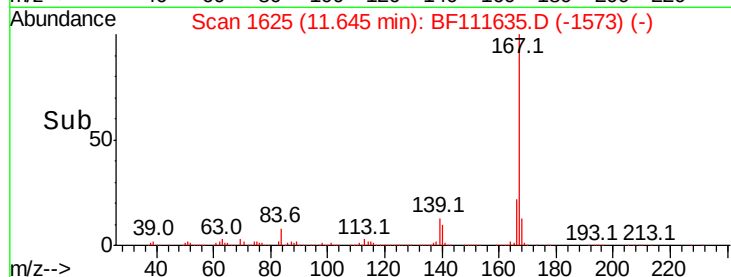
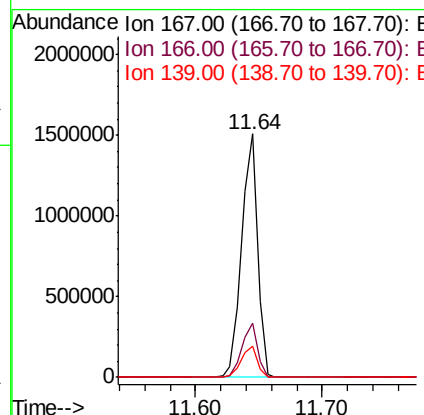
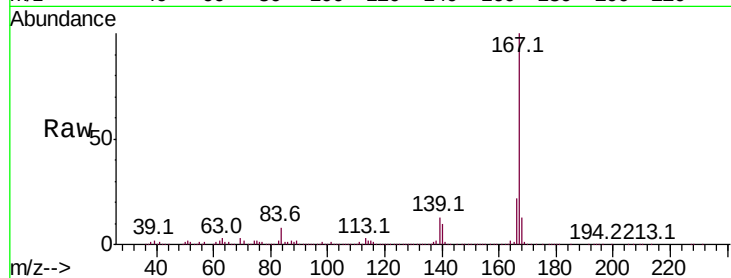
#73
 Carbazole
 Concen: 39.564 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	19.3	28.9
139	12.8	11.9	17.9

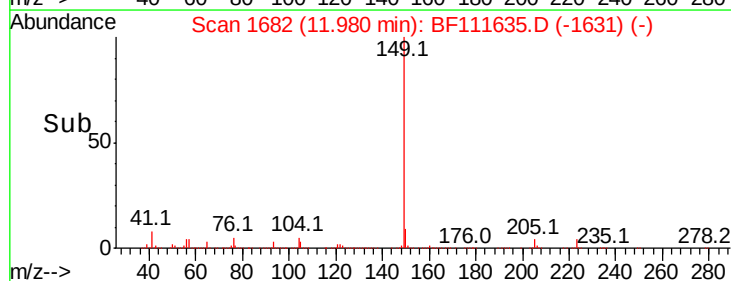
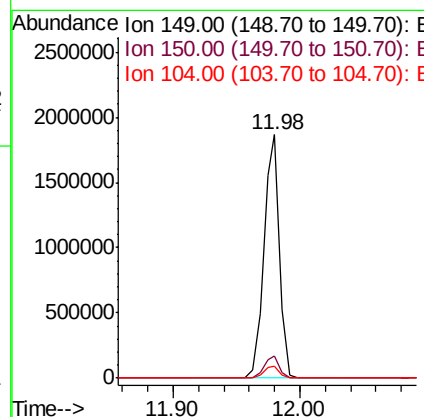
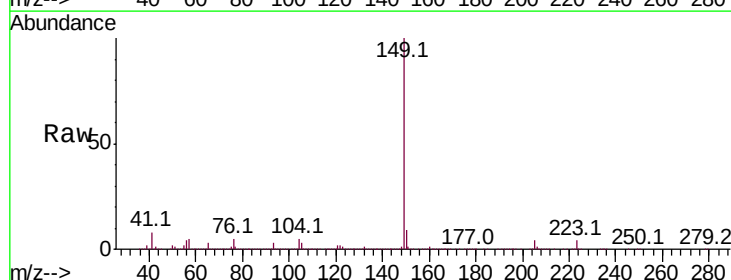
Manual Integrations
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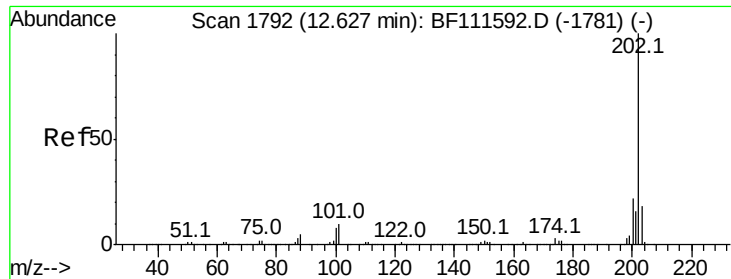
Sohil
 12/21/2018 2:46:36 PM



#74
 Di-n-butylphthalate
 Concen: 43.446 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	8.8	13.2
104	4.8	4.5	6.7





#75

Fluoranthene

Concen: 38.615 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

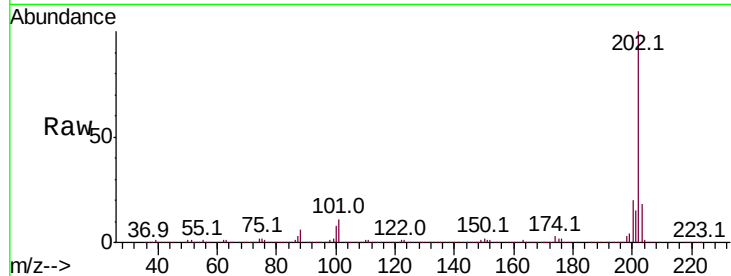
ClientSampleId :

VB-1MS

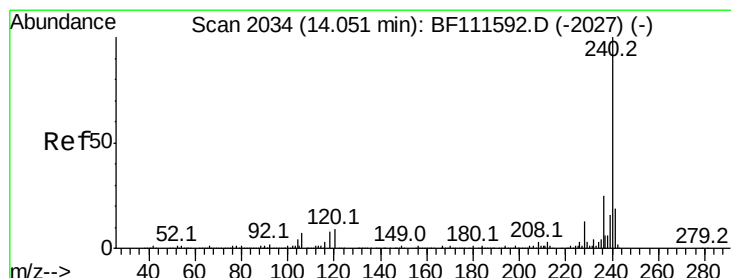
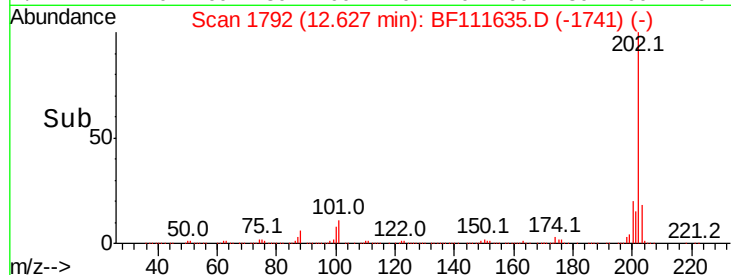
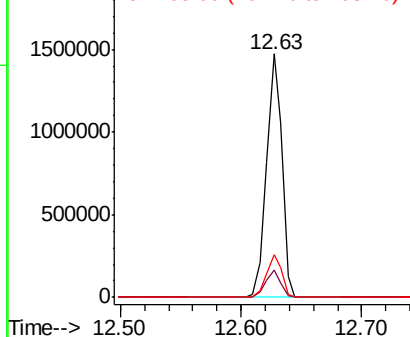
Tot Ion:	202	Resp:	1314334
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	33.8
203	17.8	0.0	38.6

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Abundance Ion 202.00 (201.70 to 202.70): E
2000000
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

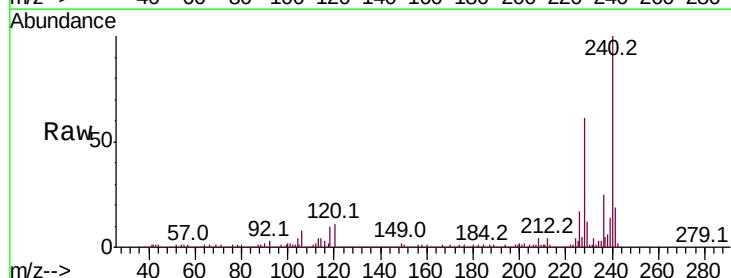
RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

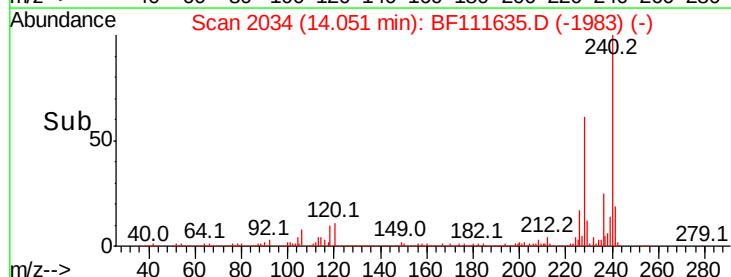
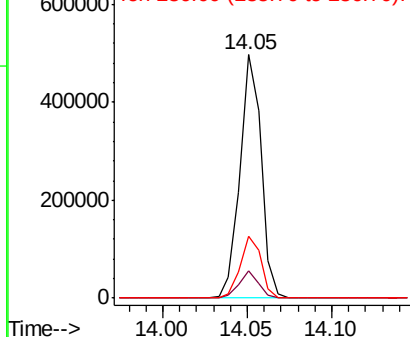
Lab File: BF111635.D

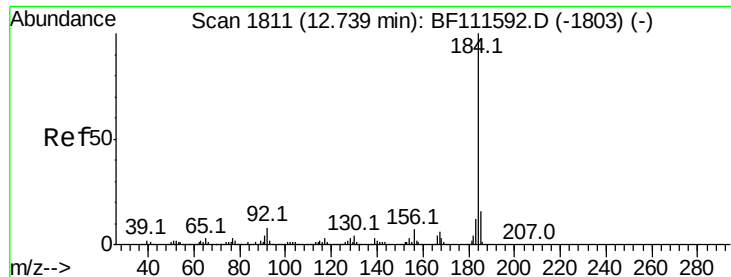
Acq: 20 Dec 2018 13:17

Tgt Ion:	240	Resp:	434943
Ion Ratio	Lower	Upper	
240	100		
120	11.0	12.2	18.2#
236	25.4	20.2	30.2



Abundance Ion 240.00 (239.70 to 240.70): E
600000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 19.711 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

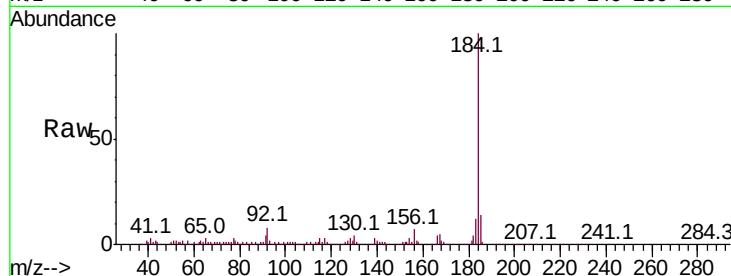
ClientSampleId :

VB-1MS

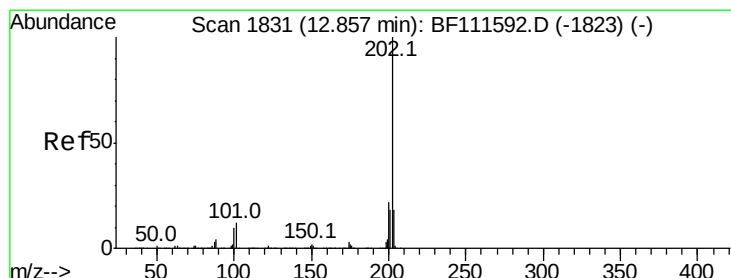
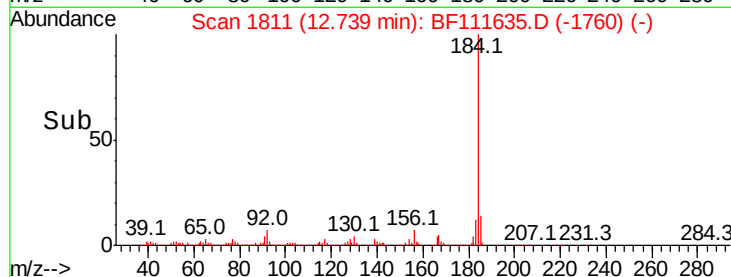
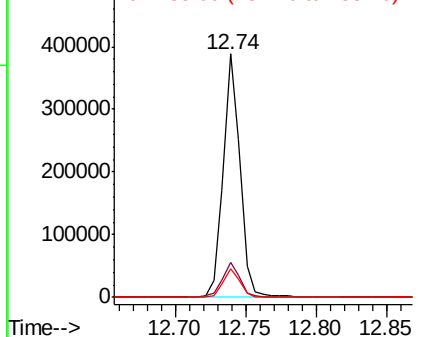
Tot Ion:	184	Resp:	322600
Ion Ratio	Lower	Upper	
184	100		
185	14.4	13.0	19.6
183	11.8	9.3	13.9

Manual Integrations
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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: 41.843 ng

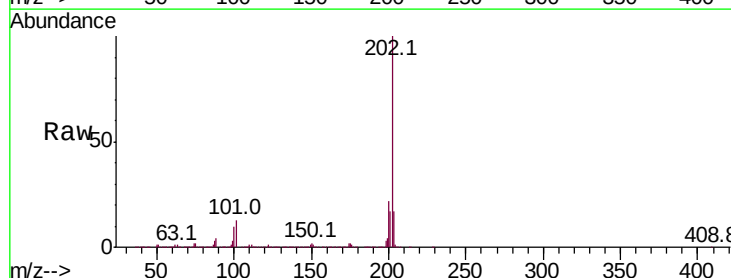
RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

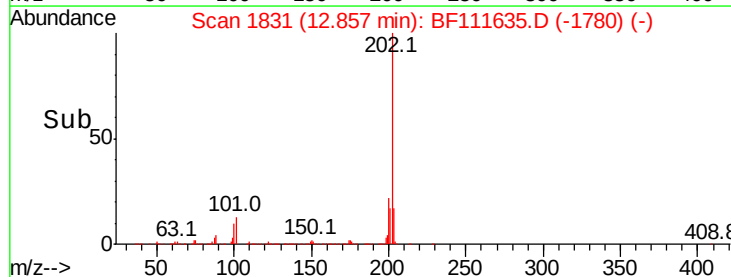
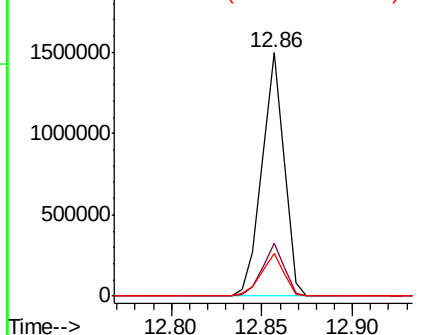
Lab File: BF111635.D

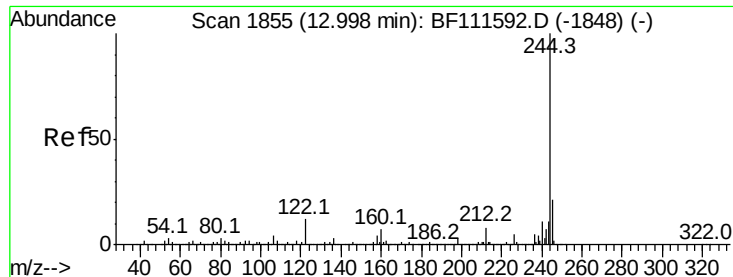
Acq: 20 Dec 2018 13:17

Tgt Ion:	202	Resp:	1285188
Ion Ratio	Lower	Upper	
202	100		
200	21.8	19.0	28.4
203	17.5	15.2	22.8



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





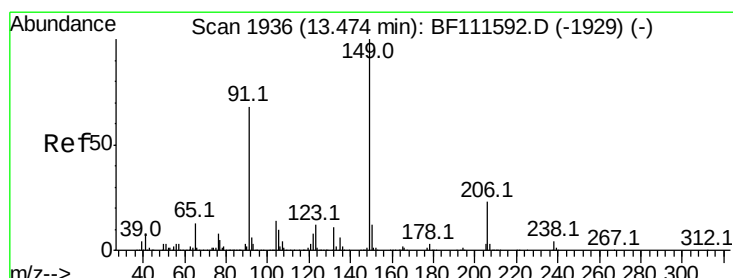
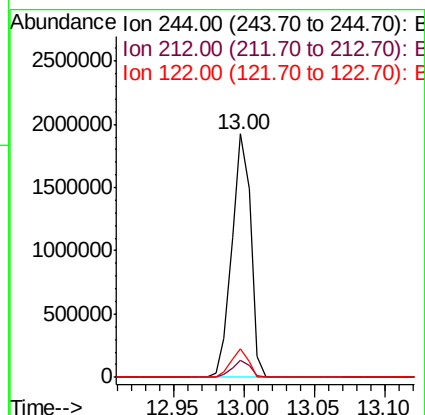
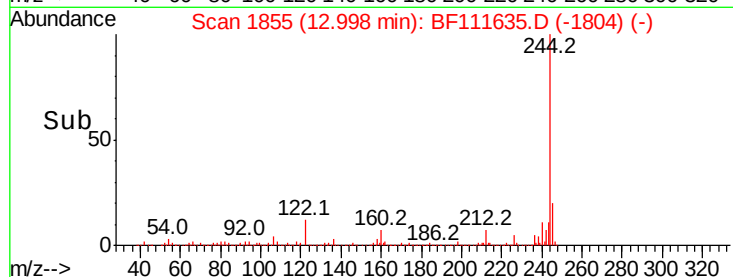
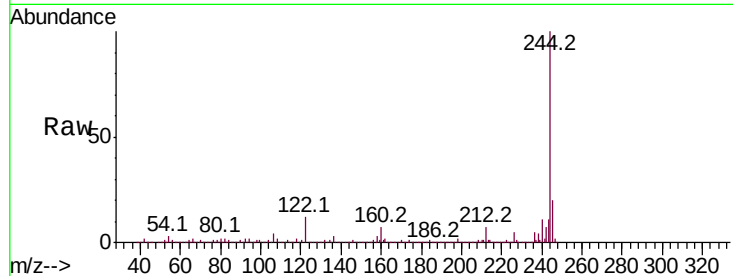
#79
Terphenyl-d14
Concen: 77.786 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	11.8	13.1	19.7#

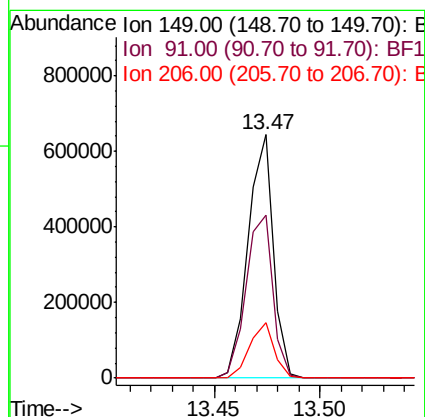
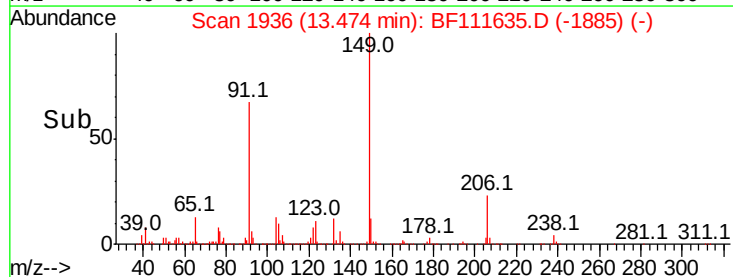
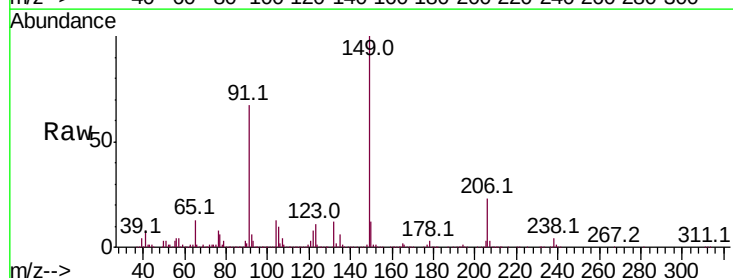
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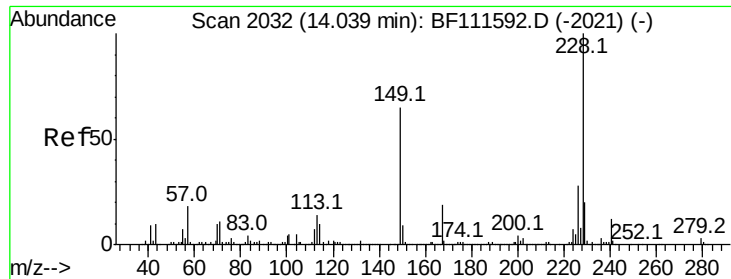
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#80
Butylbenzylphthalate
Concen: 42.679 ng
RT: 13.47 min Scan# 1936
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
149	100		
91	67.1	63.8	95.6
206	22.9	15.1	22.7#





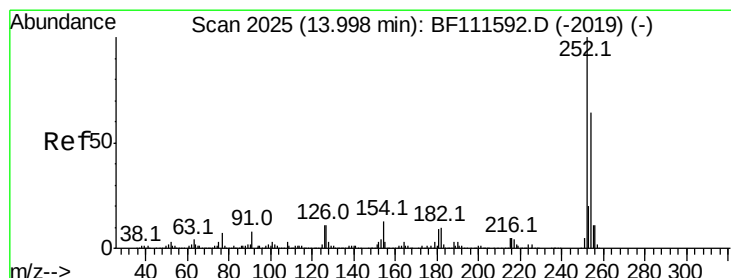
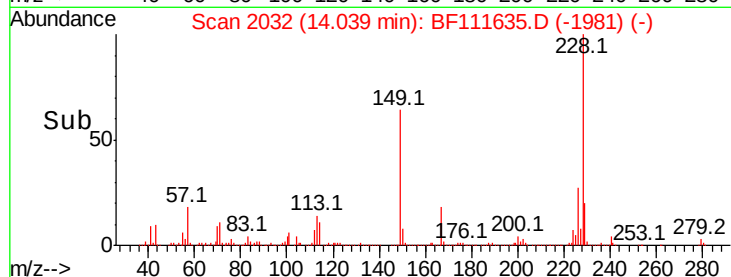
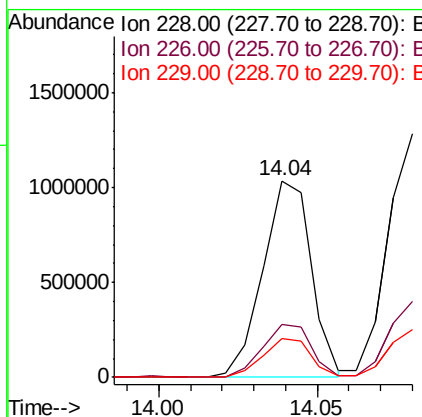
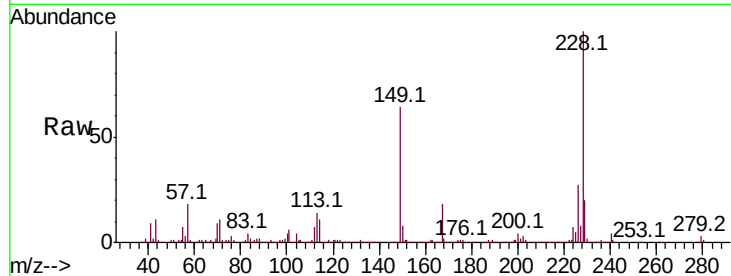
#81
Benzo(a)anthracene
Concen: 44.444 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion:228 Resp: 1103189
Ion Ratio Lower Upper
228 100
226 26.9 22.6 34.0
229 19.9 16.3 24.5

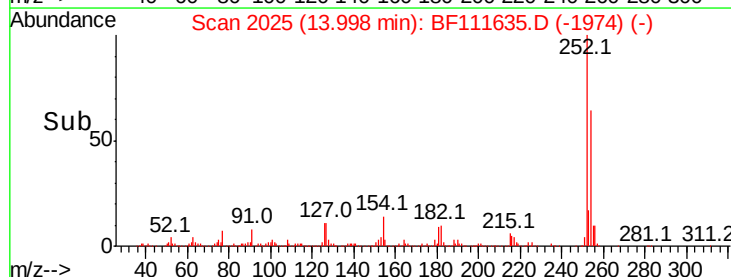
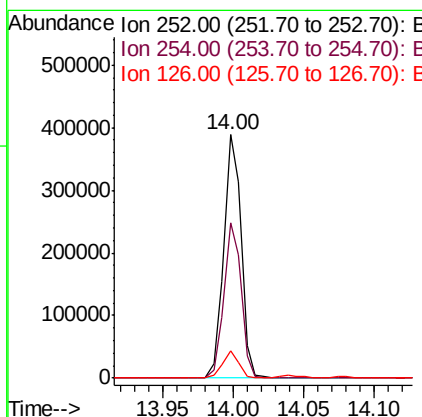
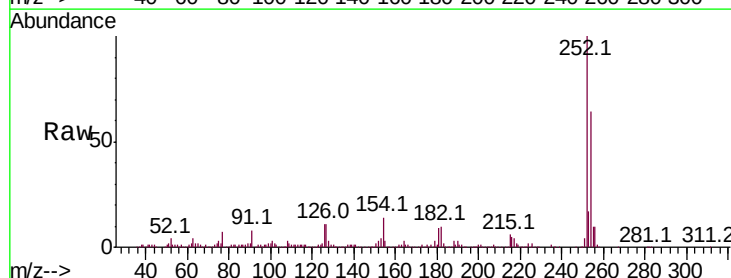
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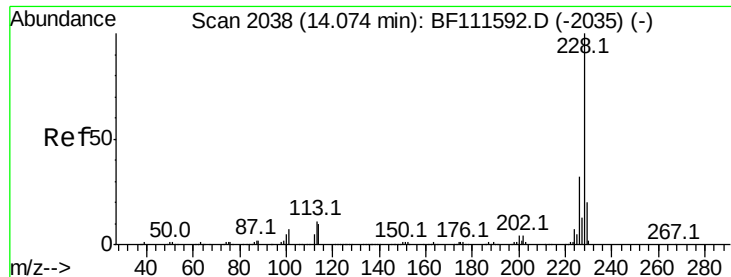
Sohil
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#82
3,3'-Dichlorobenzidine
Concen: 34.083 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion:252 Resp: 334262
Ion Ratio Lower Upper
252 100
254 63.6 52.7 79.1
126 11.3 11.1 16.7





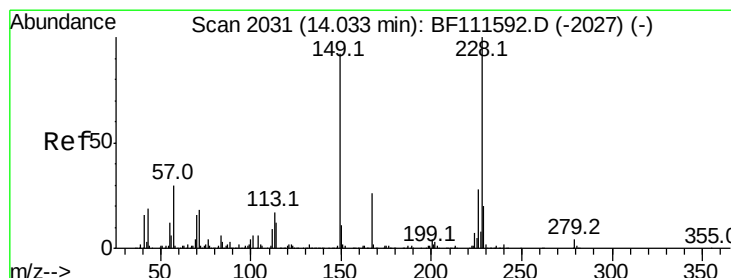
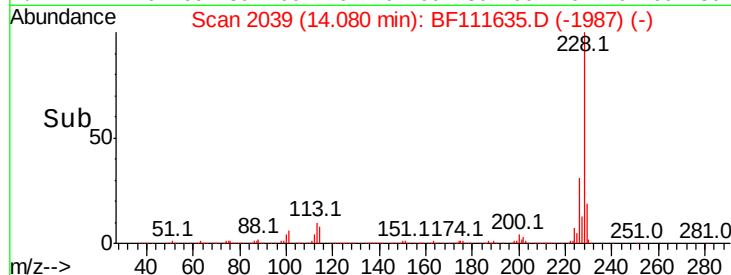
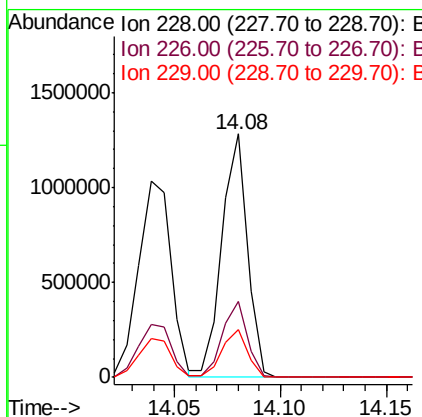
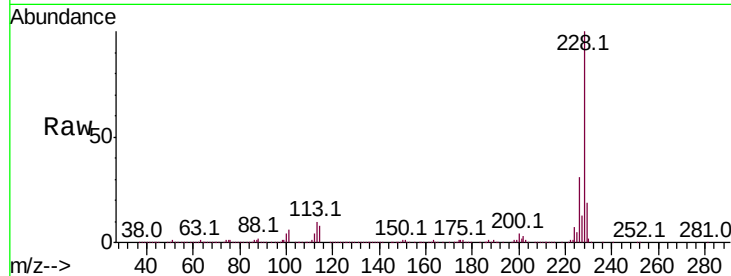
#83
 Chrysene
 Concen: 43.958 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.3	37.9
229	19.4	17.2	25.8

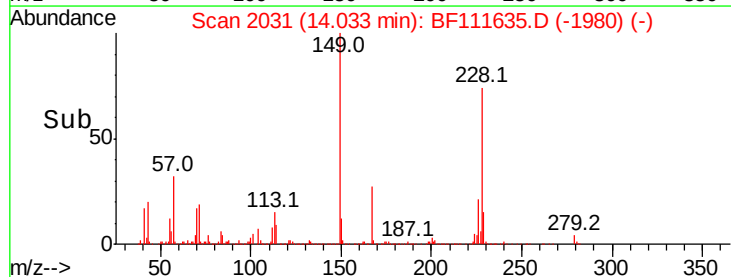
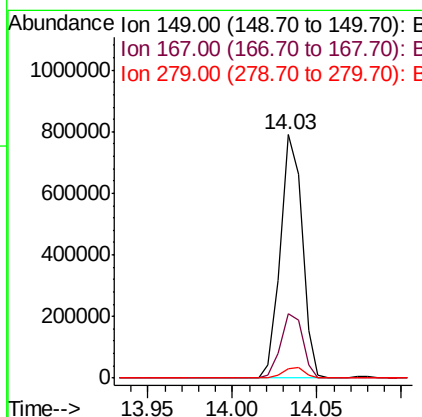
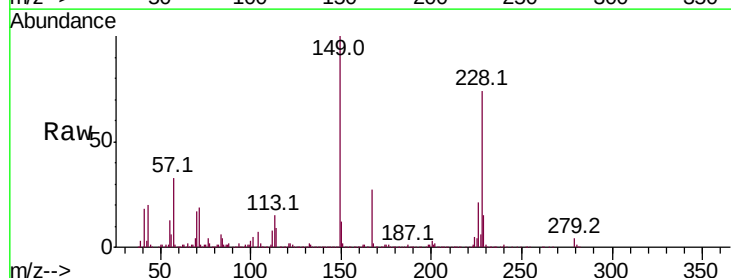
Manual Integrations
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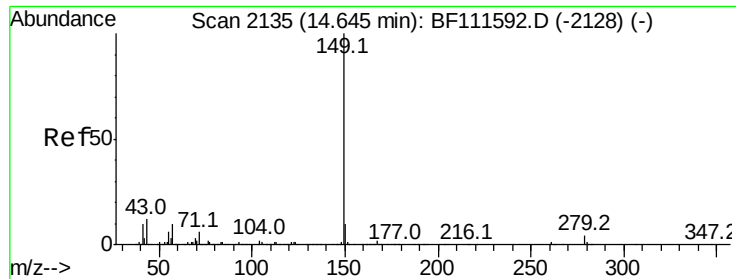
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 44.440 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.5	33.7
279	3.7	2.6	4.0





#85

Di-n-octyl phthalate

Concen: 48.926 ng

RT: 14.64 min Scan# 2135

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

Tot Ion:149 Resp: 1195462

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

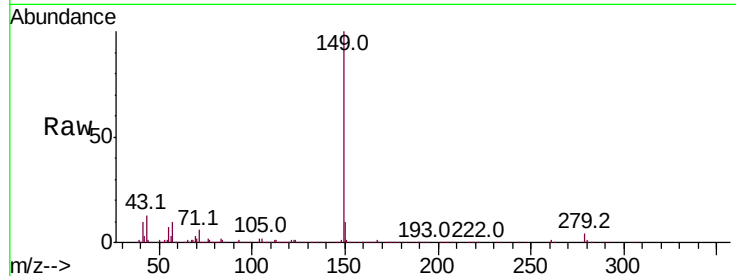
43 11.7 10.9 16.3

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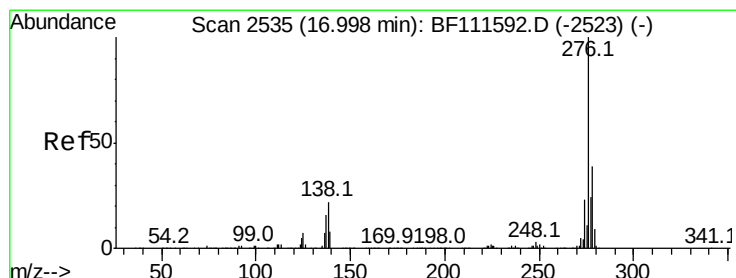
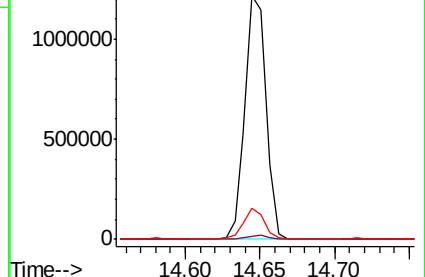
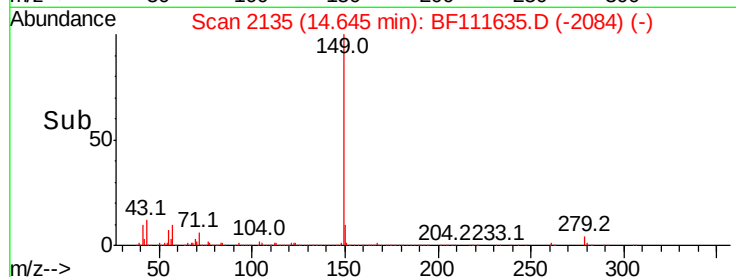
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 50.045 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

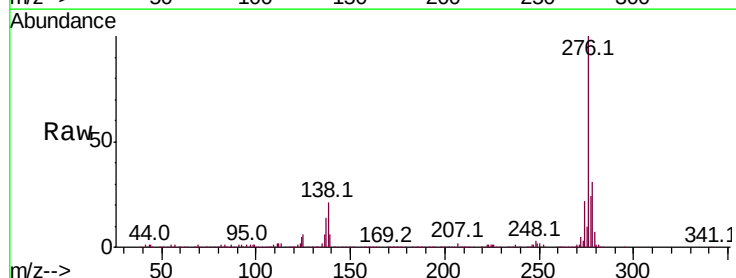
Tgt Ion:276 Resp: 1037895

Ion Ratio Lower Upper

276 100

138 23.6 27.8 41.6#

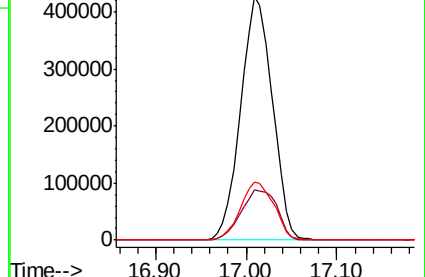
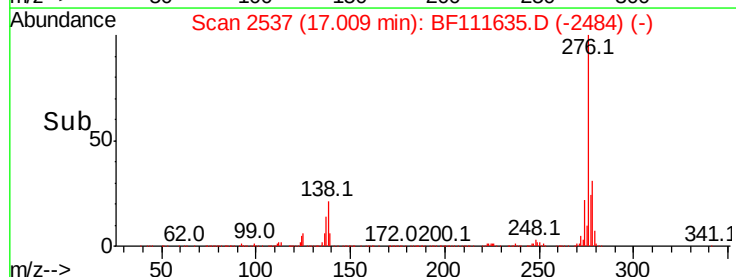
277 25.3 20.1 30.1

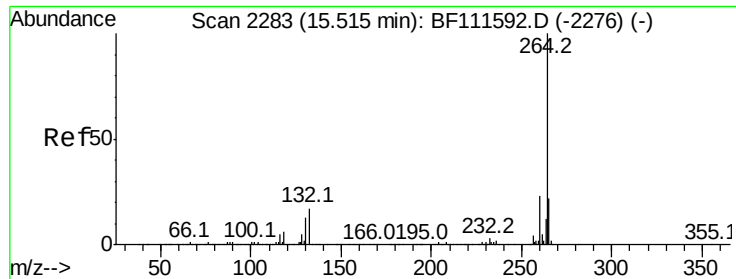


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

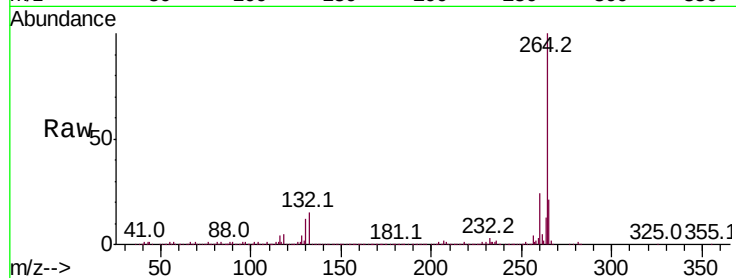
ClientSampled :

VB-1MS

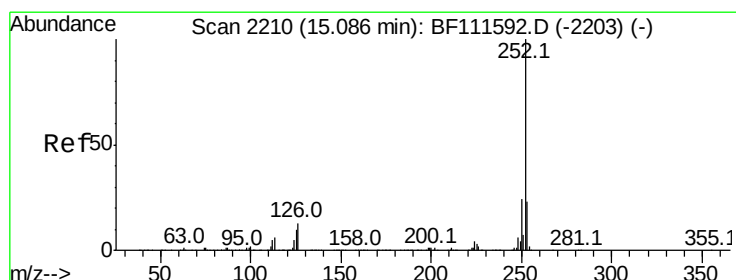
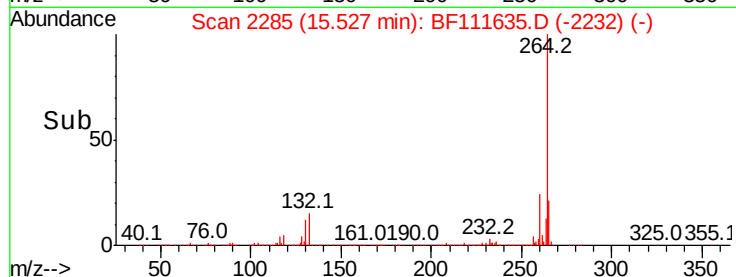
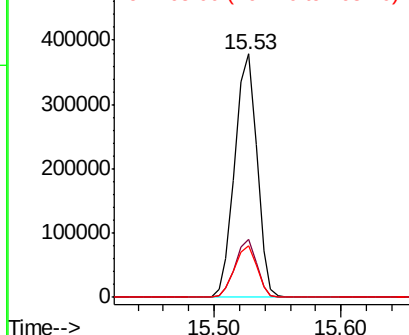
Tot Ion:	264	Resp:	459347
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.3	27.5
265	21.0	17.7	26.5

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 43.662 ng

RT: 15.10 min Scan# 2212

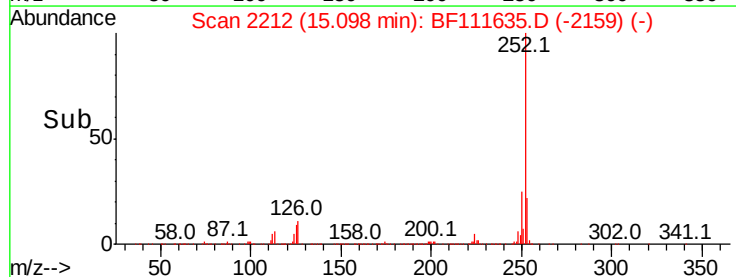
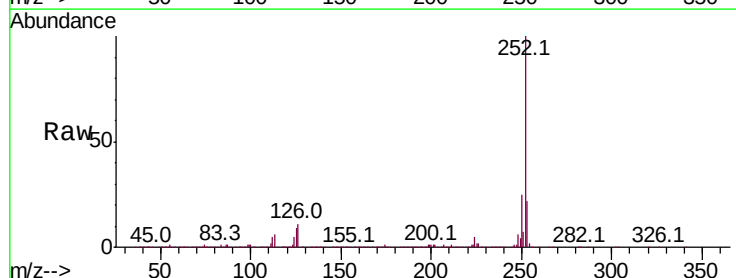
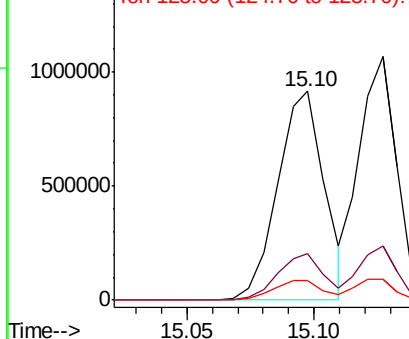
Delta R.T. 0.01 min

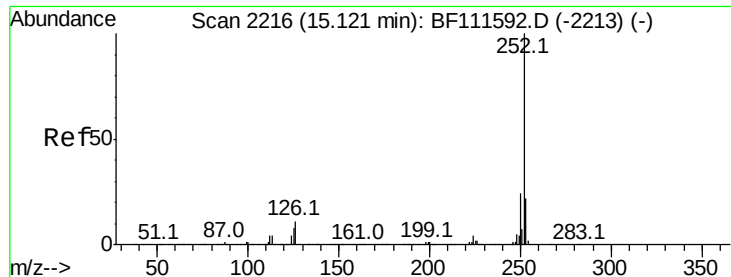
Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Tgt Ion:	252	Resp:	1172143
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.2	27.2
125	9.4	10.4	15.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





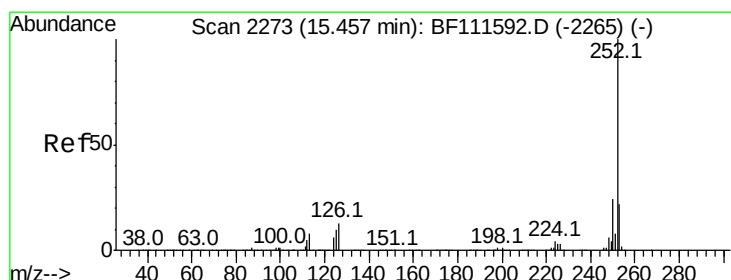
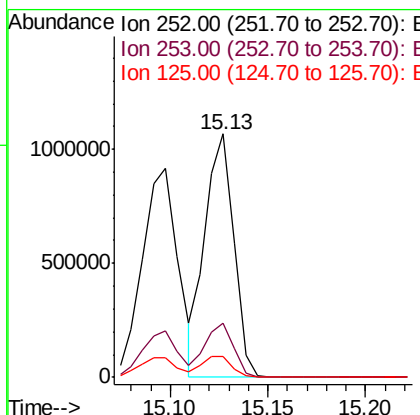
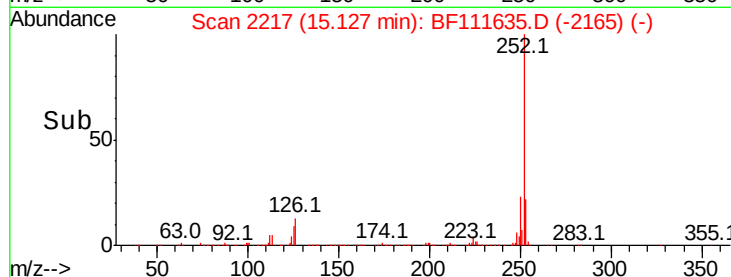
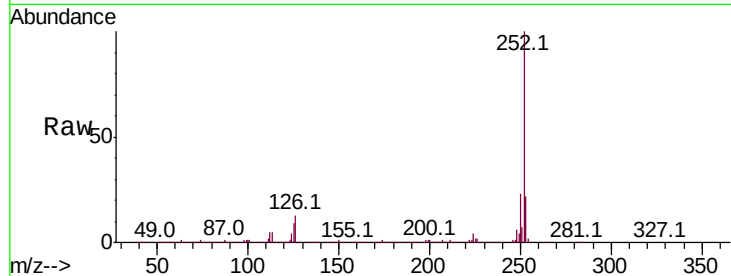
#89
Benzo(k)fluoranthene
Concen: 42.969 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	8.7	9.8	14.8

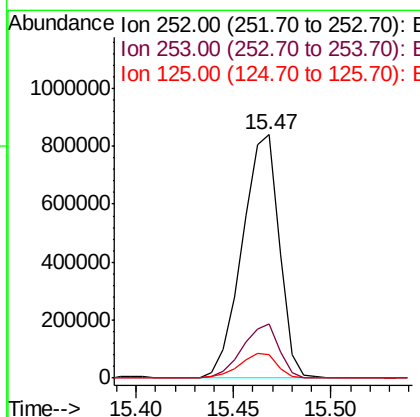
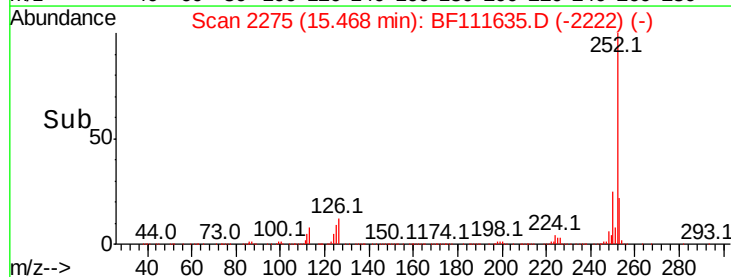
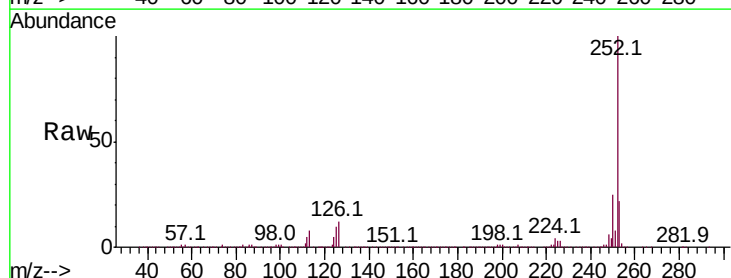
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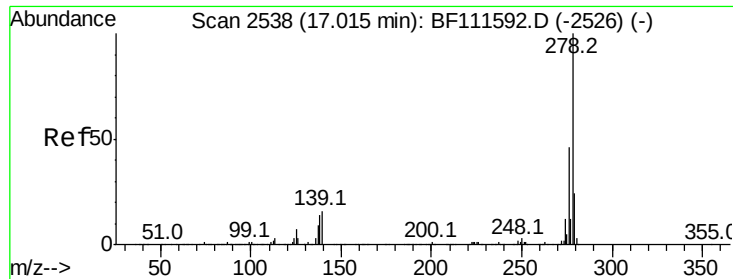
Sohil
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#90
Benzo(a)pyrene
Concen: 45.287 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	9.6	12.3	18.5





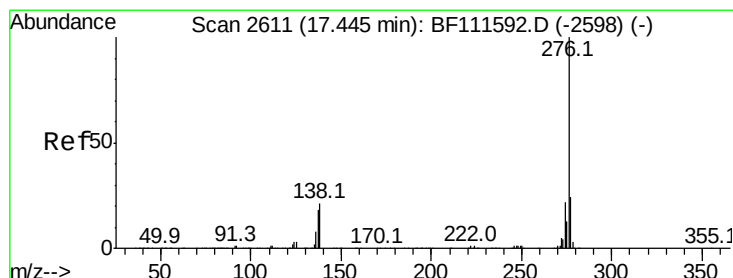
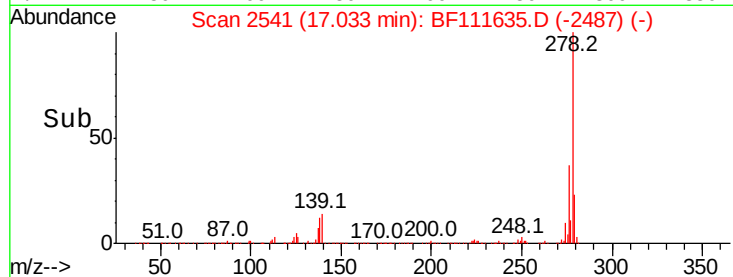
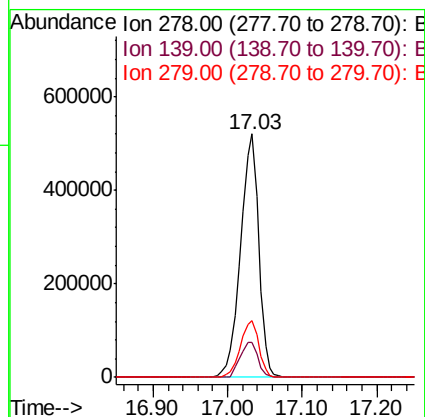
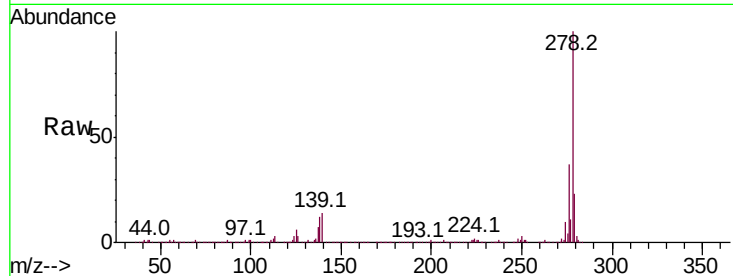
#91
Dibenzo(a,h)anthracene
Concen: 41.303 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.02 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.1	18.2	27.4#
279	23.5	19.0	28.6

Manual Integrations
APPROVED

Sohil
12/21/2018 2:46:36 PM



#92
Benzo(g,h,i)perylene
Concen: 38.871 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.02 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	19.7	24.9	37.3#

