

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101218\
 Data File : BF109841.D
 Acq On : 12 Oct 2018 18:39
 Operator : JU/SJ
 Sample : J5197-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

Quant Time: Oct 12 22:20:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	97614	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	397420	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	185781	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	334324	20.00	ng	0.00
75) Chrysene-d12	13.83	240	195839	20.00	ng	0.00
86) Perylene-d12	15.23	264	190551	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	668400	121.54	ng	0.00
7) Phenol-d6	6.35	99	899975	122.51	ng	0.00
23) Nitrobenzene-d5	7.26	82	614838	85.28	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	236357	116.76	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1040755	77.15	ng	0.00
78) Terphenyl-d14	12.78	244	856042	84.62	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.45	88	70289	24.354	ng	98
3) Pyridine	3.18	79	158019	26.538	ng	98
4) n-Nitrosodimethylamine	3.10	42	73968	34.416	ng	97
6) Aniline	6.37	93	231247	27.022	ng	88
8) 2-Chlorophenol	6.49	128	242324	35.829	ng	99
9) Benzaldehyde	6.25	77	103694	21.935	ng	98
10) Phenol	6.36	94	308320	36.600	ng	84
11) bis(2-Chloroethyl)ether	6.43	93	203329	29.114	ng	99
12) 1,3-Dichlorobenzene	6.63	146	248185	32.084	ng	96
13) 1,4-Dichlorobenzene	6.71	146	275285	32.647	ng	98
14) 1,2-Dichlorobenzene	6.86	146	248005	33.490	ng	99
15) Benzyl Alcohol	6.85	79	193216	35.477	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.97	45	315665	34.087	ng	98
17) 2-Methylphenol	6.96	107	189830	35.493	ng	94
18) Hexachloroethane	7.20	117	98383	33.009	ng	98
19) n-Nitroso-di-n-propylamine	7.12	70	174133	33.800	ng	98
20) 3+4-Methylphenols	7.12	107	225717	34.249	ng	93
22) Acetophenone	7.11	105	360119	37.472	ng	# 99
24) Nitrobenzene	7.28	77	260643	34.743	ng	99
25) Isophorone	7.52	82	479731	40.071	ng	100
26) 2-Nitrophenol	7.60	139	126586	36.074	ng	95
27) 2,4-Dimethylphenol	7.65	122	220004	43.417	ng	98
28) bis(2-Chloroethoxy)methane	7.73	93	303098	37.429	ng	100
29) 2,4-Dichlorophenol	7.85	162	209810	36.914	ng	98
30) 1,2,4-Trichlorobenzene	7.92	180	212226	33.729	ng	99
31) Naphthalene	8.00	128	717876	39.058	ng	100
32) Benzoic acid	7.65	122	220004	60.726	ng	# 12
33) 4-Chloroaniline	8.06	127	158546	19.589	ng	98
34) Hexachlorobutadiene	8.12	225	128263	32.786	ng	98
35) Caprolactam	8.42	113	33914	19.980	ng	98
36) 4-Chloro-3-methylphenol	8.54	107	217889	36.316	ng	98
37) 2-Methylnaphthalene	8.69	142	454093	37.718	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.86	216	213906	33.824	ng	99
40) Hexachlorocyclopentadiene	8.84	237	134185	51.298	ng	100

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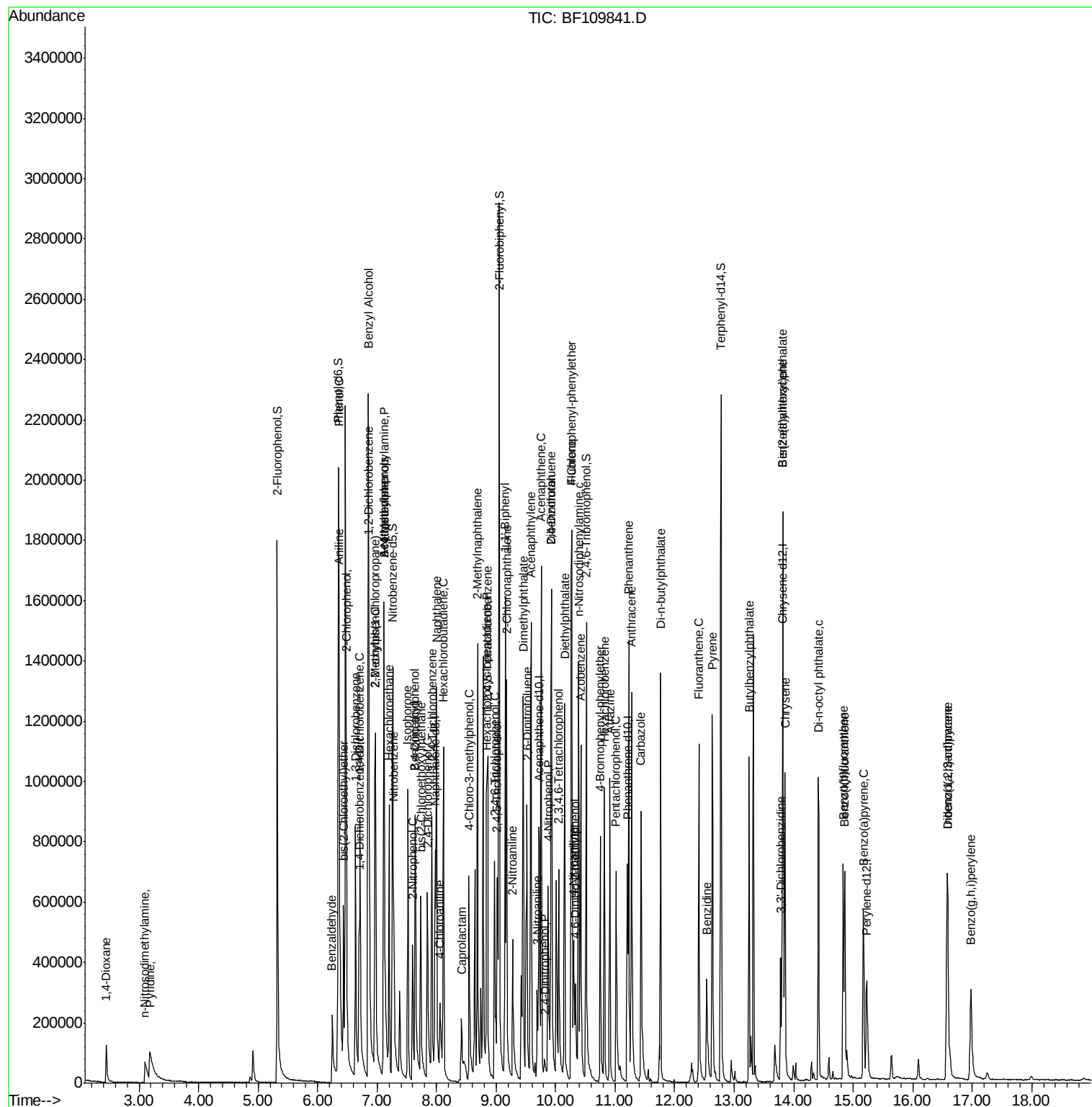
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.97	196	130818	34.604	ng	99
43) 2,4,5-Trichlorophenol	9.02	196	148511	34.166	ng	95
45) 1,1'-Biphenyl	9.15	154	550787	33.186	ng	100
46) 2-Chloronaphthalene	9.17	162	421847	33.926	ng	99
47) 2-Nitroaniline	9.27	65	137926	36.634	ng	97
48) Acenaphthylene	9.59	152	659570	36.385	ng	100
49) Dimethylphthalate	9.46	163	622536	45.690	ng	100
50) 2,6-Dinitrotoluene	9.52	165	110035	37.256	ng	93
51) Acenaphthene	9.76	154	368047	34.250	ng	100
52) 3-Nitroaniline	9.69	138	88769	26.812	ng	96
53) 2,4-Dinitrophenol	9.81	184	16162	16.961	ng	# 70
54) Dibenzofuran	9.93	168	550096	34.151	ng	98
55) 4-Nitrophenol	9.87	139	110343	60.889	ng	93
56) 2,4-Dinitrotoluene	9.92	165	134481	36.486	ng	88
57) Fluorene	10.27	166	438783	36.477	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.06	232	132811	37.587	ng	97
59) Diethylphthalate	10.15	149	483174	35.790	ng	100
60) 4-Chlorophenyl-phenylether	10.26	204	209989	33.090	ng	99
61) 4-Nitroaniline	10.30	138	105308	34.346	ng	99
62) Azobenzene	10.42	77	480725	35.066	ng	98
64) 4,6-Dinitro-2-methylphenol	10.33	198	40254	24.738	ng	85
65) n-Nitrosodiphenylamine	10.39	169	409471	36.129	ng	99
66) 4-Bromophenyl-phenylether	10.75	248	131726	34.291	ng	95
67) Hexachlorobenzene	10.82	284	134441	32.320	ng	95
68) Atrazine	10.91	200	129525	36.620	ng	99
69) Pentachlorophenol	11.02	266	119841	51.199	ng	98
70) Phenanthrene	11.23	178	593963	35.501	ng	99
71) Anthracene	11.28	178	665786	38.496	ng	100
72) Carbazole	11.44	167	573801	34.207	ng	99
73) Di-n-butylphthalate	11.76	149	691038	35.519	ng	100
74) Fluoranthene	12.41	202	594263	34.000	ng	98
76) Benzidine	12.54	184	243191	33.428	ng	98
77) Pyrene	12.63	202	556939	38.815	ng	99
79) Butylbenzylphthalate	13.25	149	248053	39.875	ng	97
80) Benzo(a)anthracene	13.82	228	387517	35.857	ng	100
81) 3,3'-Dichlorobenzidine	13.79	252	127007	29.186	ng	100
82) Chrysene	13.86	228	415096	36.567	ng	99
83) Bis(2-ethylhexyl)phthalate	13.82	149	320677	42.252	ng	97
84) Di-n-octyl phthalate	14.42	149	497464	41.467	ng	100
85) Indeno(1,2,3-cd)pyrene	16.58	276	395864	48.721	ng	99
87) Benzo(b)fluoranthene	14.83	252	325095	30.873	ng	99
88) Benzo(k)fluoranthene	14.86	252	392217	37.071	ng	99
89) Benzo(a)pyrene	15.17	252	347405	36.355	ng	98
90) Dibenzo(a,h)anthracene	16.59	278	329627	42.001	ng	99
91) Benzo(g,h,i)perylene	16.98	276	322684	41.175	ng	98

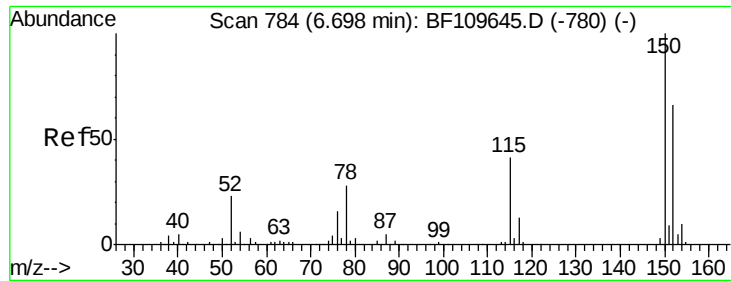
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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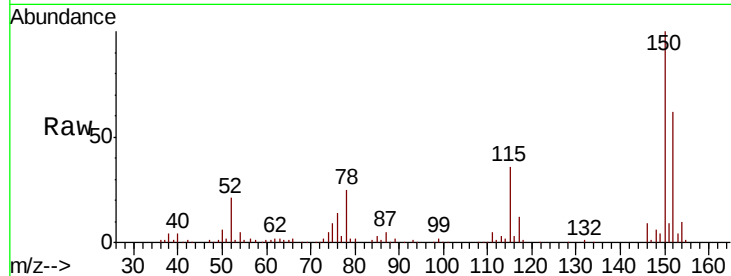


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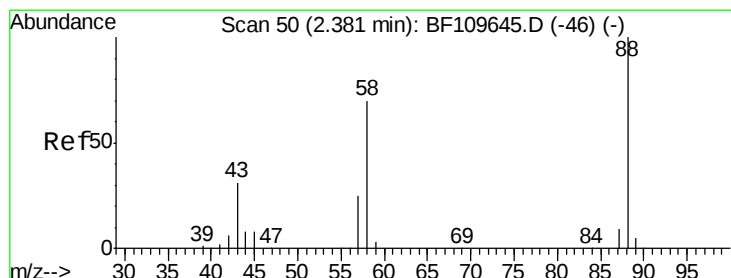
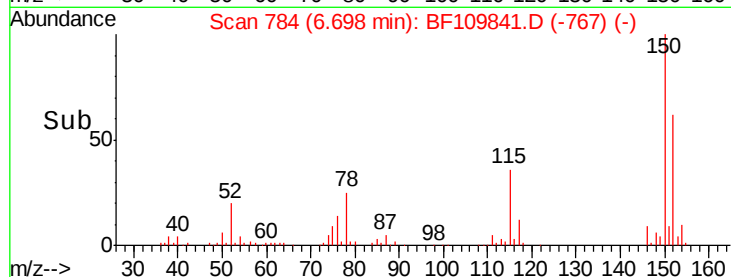
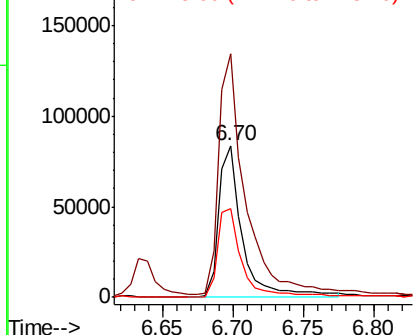
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

Tgt Ion:152 Resp: 97614
 Ion Ratio Lower Upper
 152 100
 150 160.7 122.7 184.1
 115 58.4 49.1 73.7



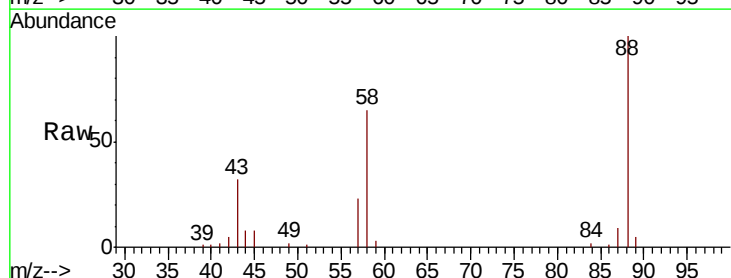
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



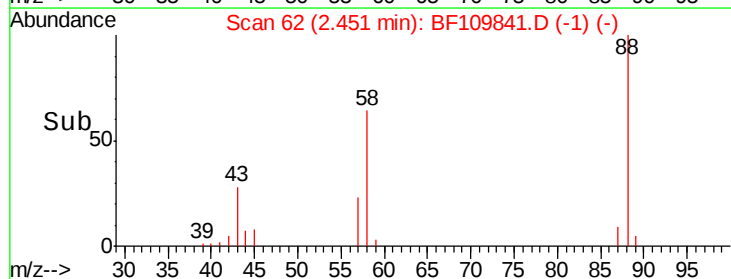
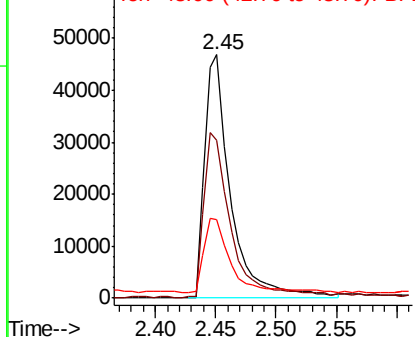
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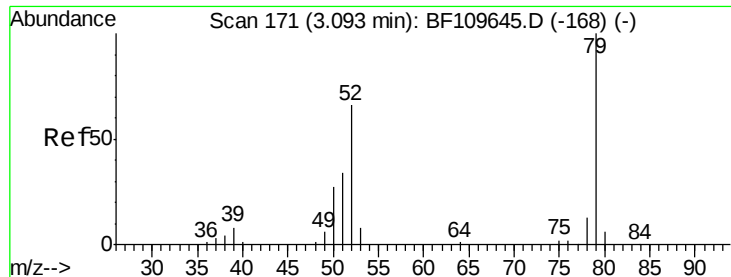
1,4-Dioxane
 Concen: 24.354 ng
 RT: 2.45 min Scan# 62
 Delta R.T. 0.07 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion: 88 Resp: 70289
 Ion Ratio Lower Upper
 88 100
 58 73.4 57.1 85.7
 43 30.0 24.1 36.1



Abundance Ion 88.00 (87.70 to 88.70): BF1
 Ion 58.00 (57.70 to 58.70): BF1
 Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 26.538 ng

RT: 3.18 min Scan# 186

Delta R.T. 0.09 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

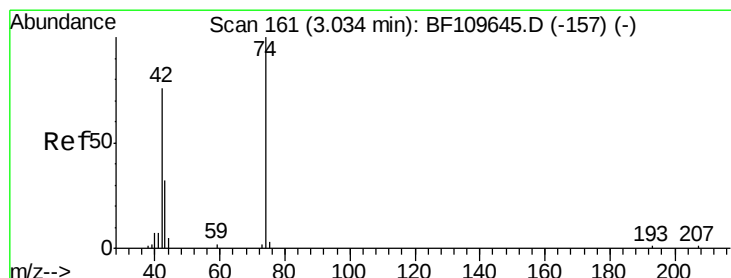
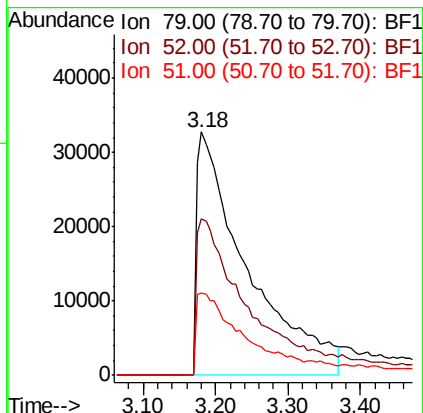
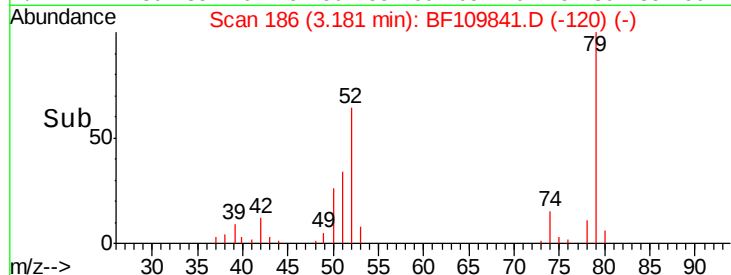
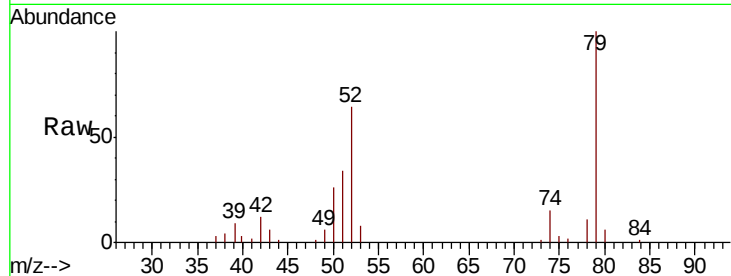
Tgt Ion: 79 Resp: 158019

Ion Ratio Lower Upper

79 100

52 64.4 53.1 79.7

51 33.8 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 34.416 ng

RT: 3.10 min Scan# 172

Delta R.T. 0.06 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

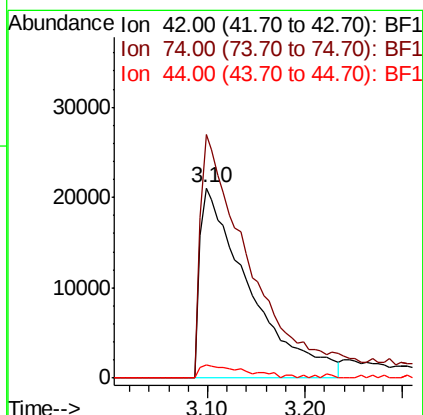
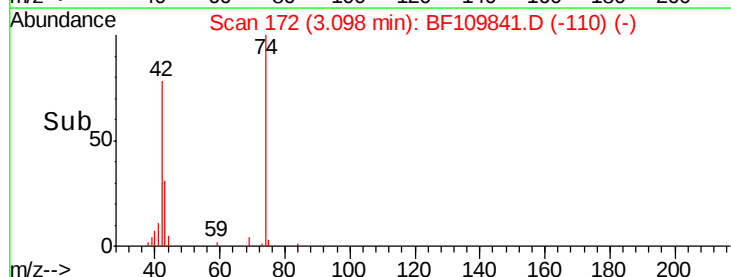
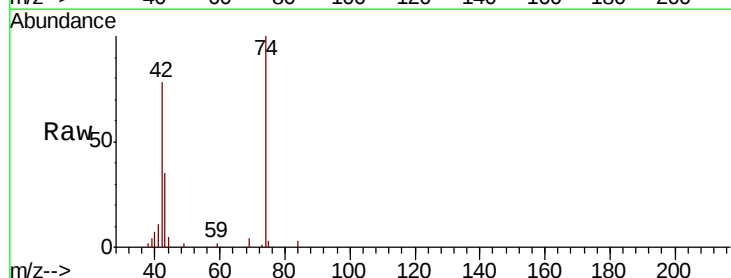
Tgt Ion: 42 Resp: 73968

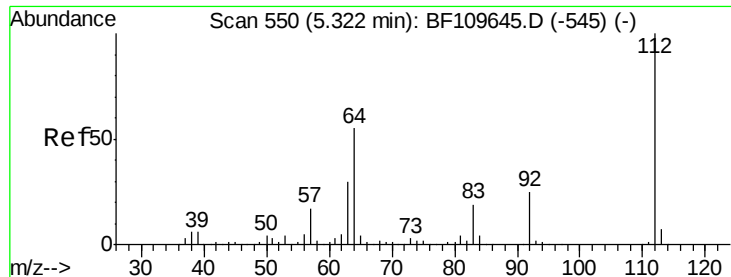
Ion Ratio Lower Upper

42 100

74 127.8 105.5 158.3

44 7.0 4.9 7.3

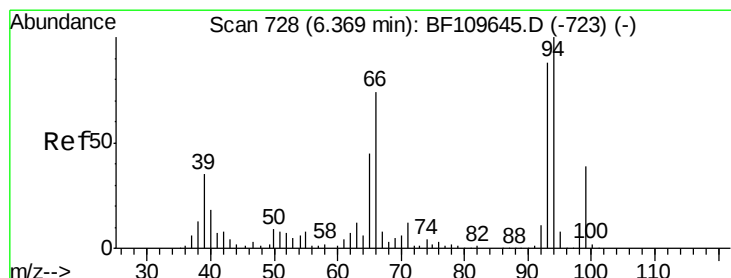
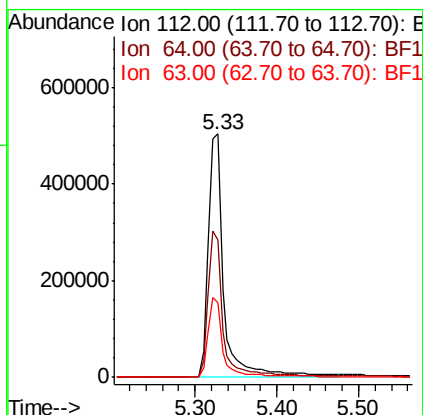
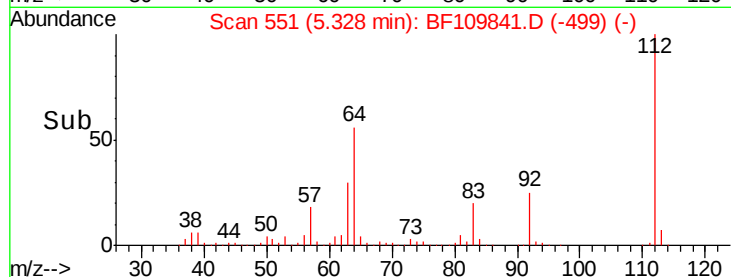
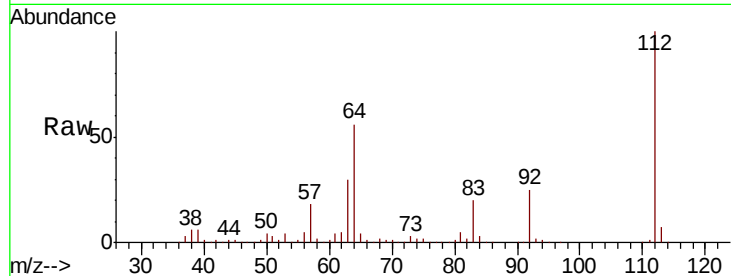




#5
2-Fluorophenol
Concen: 121.543 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

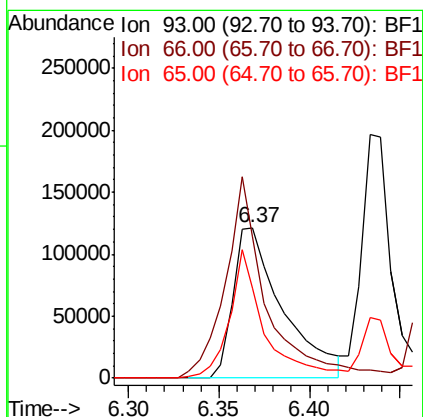
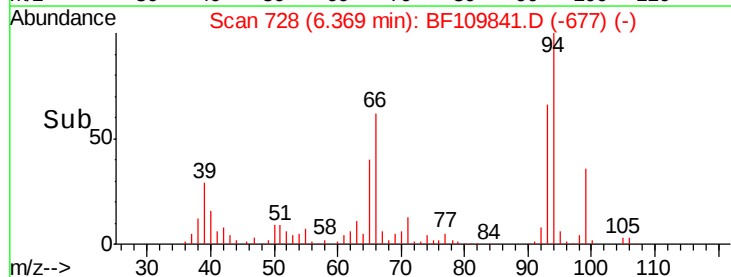
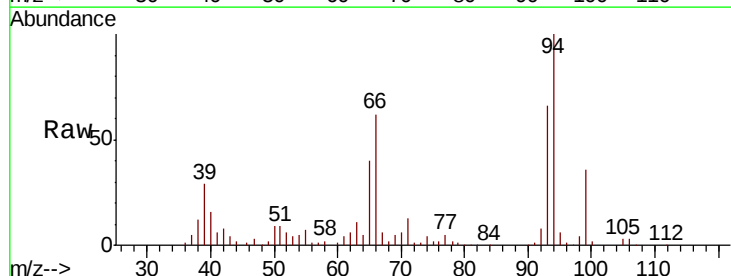
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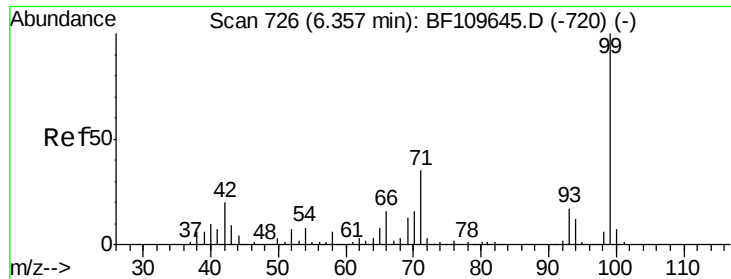
Tgt Ion: 112 Resp: 668400
Ion Ratio Lower Upper
112 100
64 56.3 44.1 66.1
63 30.4 23.7 35.5



#6
Aniline
Concen: 27.022 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.00 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion: 93 Resp: 231247
Ion Ratio Lower Upper
93 100
66 94.0 67.4 101.0
65 60.2 41.0 61.4





#7

Phenol-d6

Concen: 122.505 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

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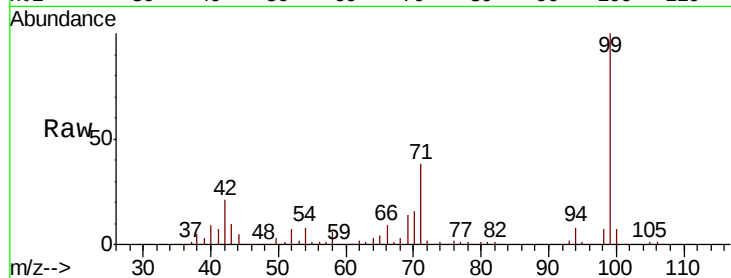
Tgt Ion: 99 Resp: 899975

Ion Ratio Lower Upper

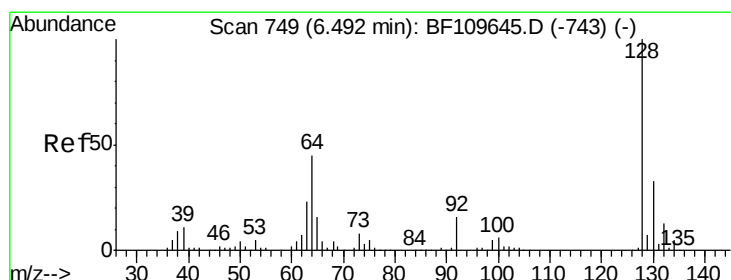
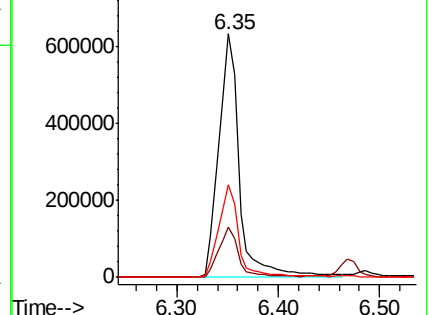
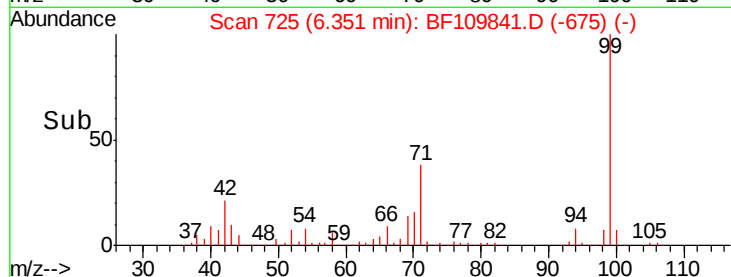
99 100

42 20.6 15.8 23.6

71 37.8 28.0 42.0



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: 35.829 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

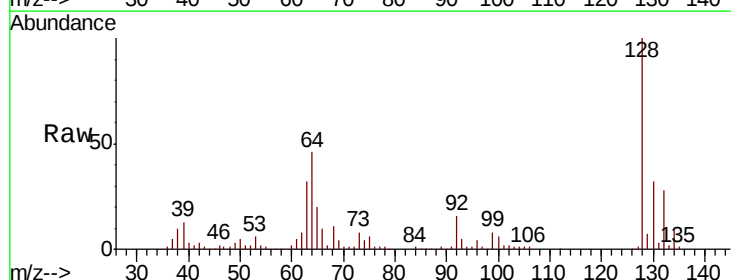
Tgt Ion: 128 Resp: 242324

Ion Ratio Lower Upper

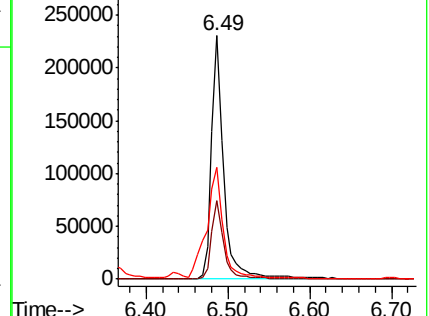
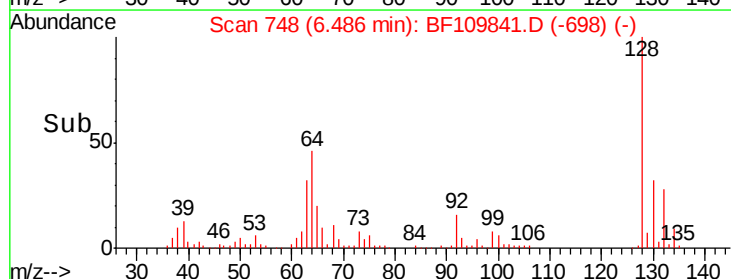
128 100

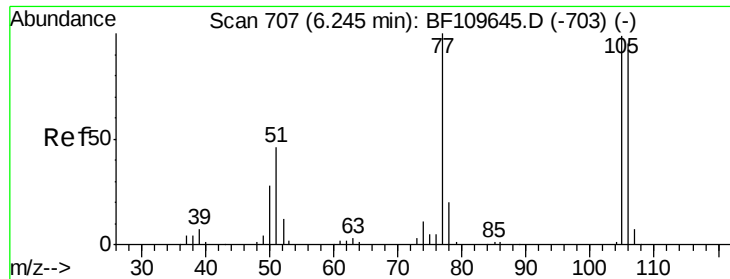
130 32.4 13.1 53.1

64 45.7 26.0 66.0



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: 21.935 ng

RT: 6.25 min Scan# 707

Delta R.T. -0.00 min

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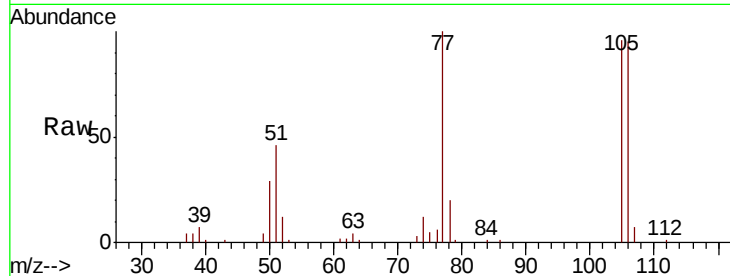
Tgt Ion: 77 Resp: 103694

Ion Ratio Lower Upper

77 100

105 96.1 78.6 118.6

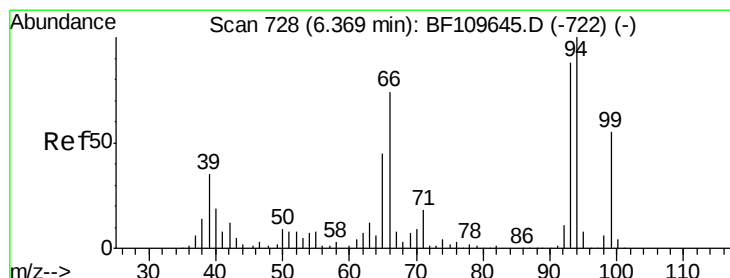
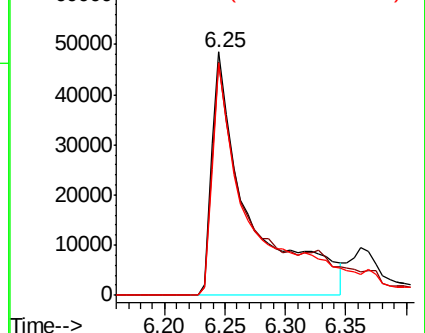
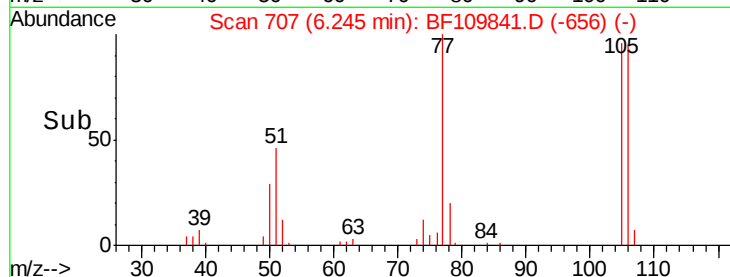
106 95.4 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 36.600 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109841.D

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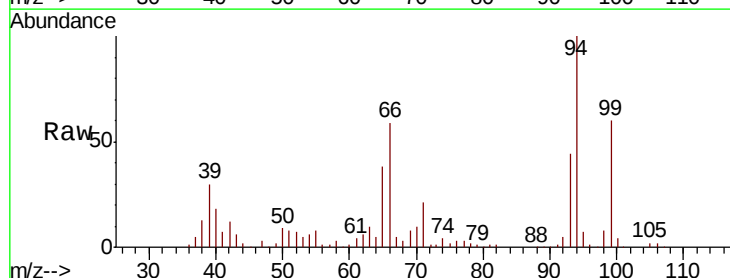
Tgt Ion: 94 Resp: 308320

Ion Ratio Lower Upper

94 100

65 37.6 25.3 65.3

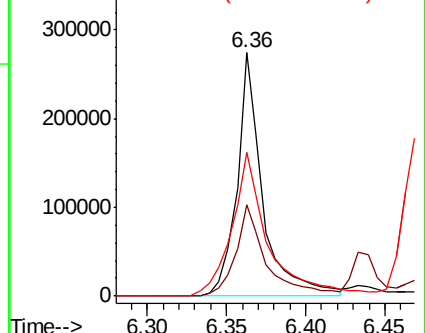
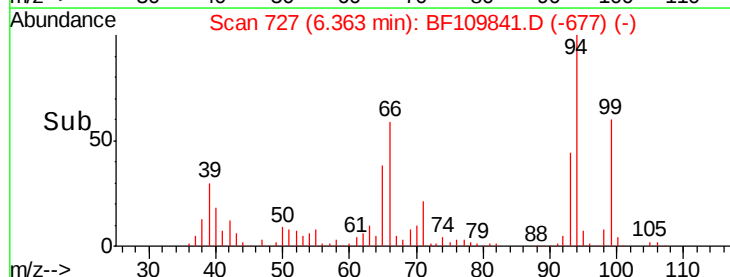
66 59.0 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

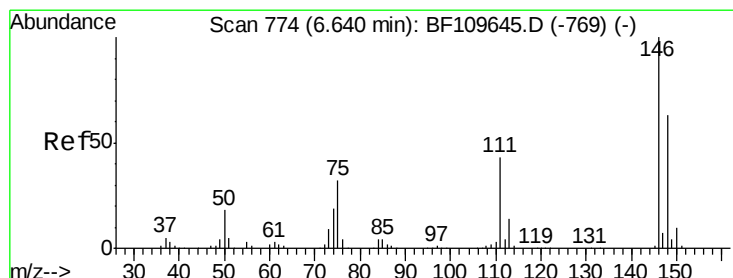
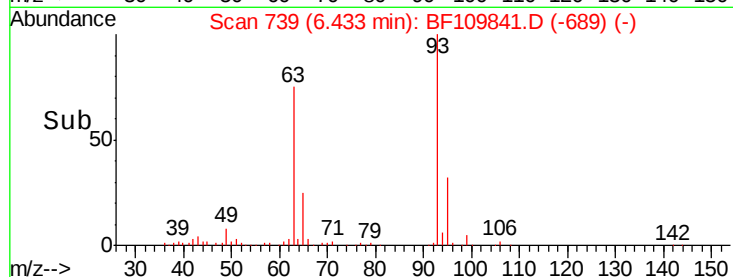
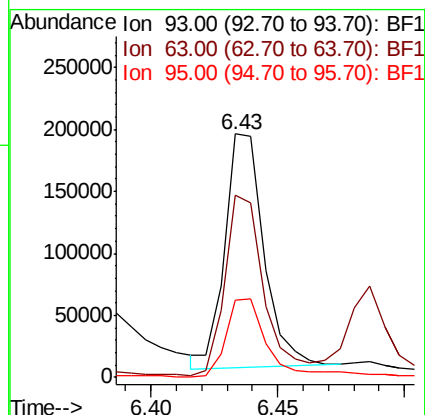
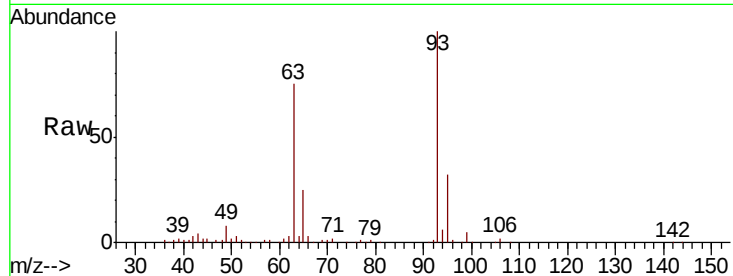




#11
 bis(2-Chloroethyl)ether
 Concen: 29.114 ng
 RT: 6.43 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

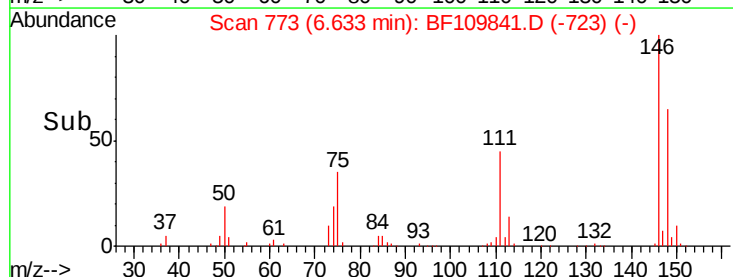
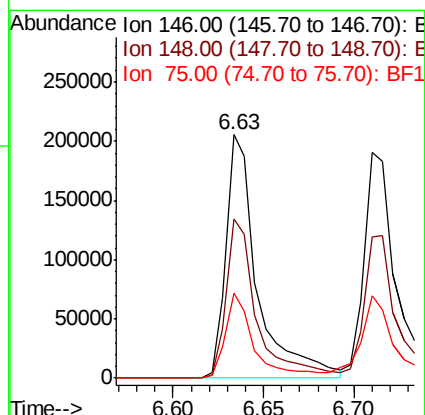
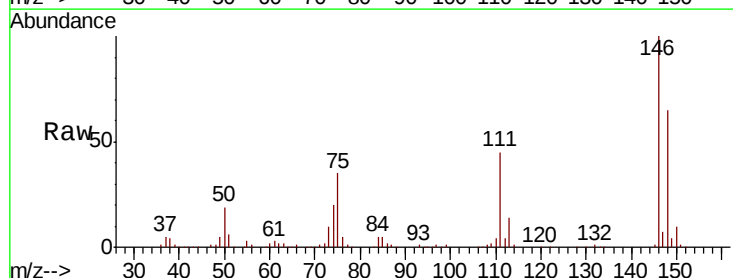
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

Tgt Ion: 93 Resp: 203329
 Ion Ratio Lower Upper
 93 100
 63 74.8 53.4 93.4
 95 31.7 12.1 52.1



#12
 1,3-Dichlorobenzene
 Concen: 32.084 ng
 RT: 6.63 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion: 146 Resp: 248185
 Ion Ratio Lower Upper
 146 100
 148 65.4 50.4 75.6
 75 34.8 25.8 38.6

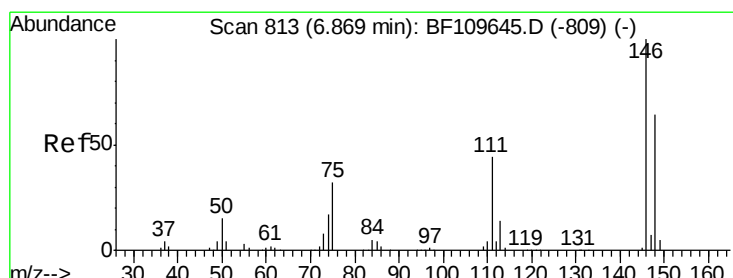
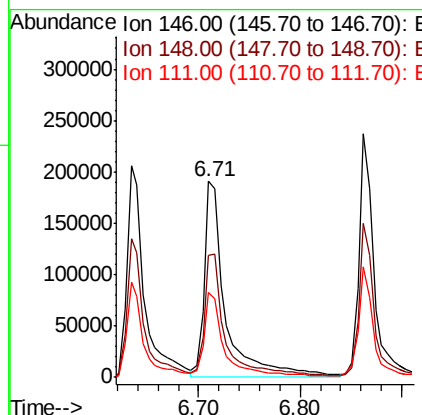
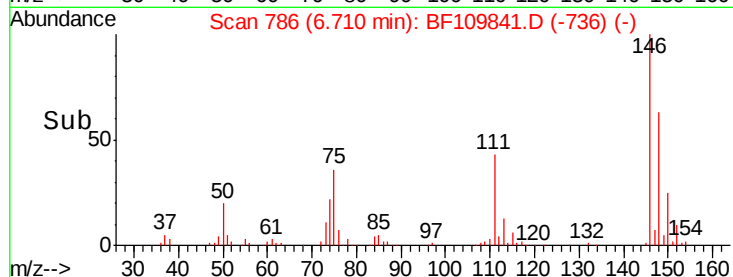
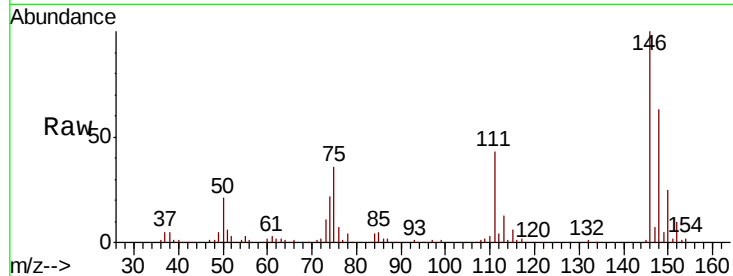




#13
 1,4-Dichlorobenzene
 Concen: 32.647 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

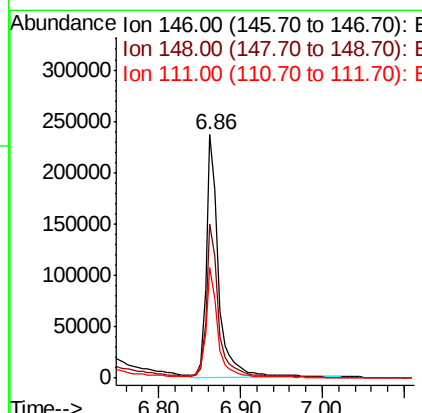
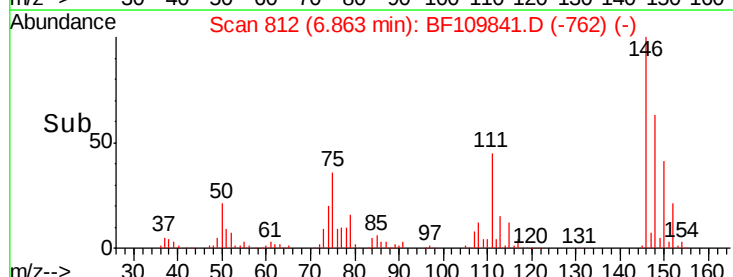
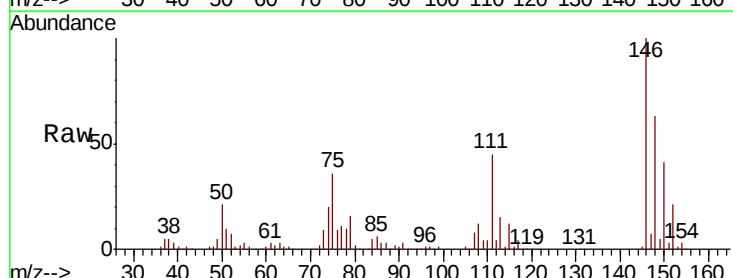
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

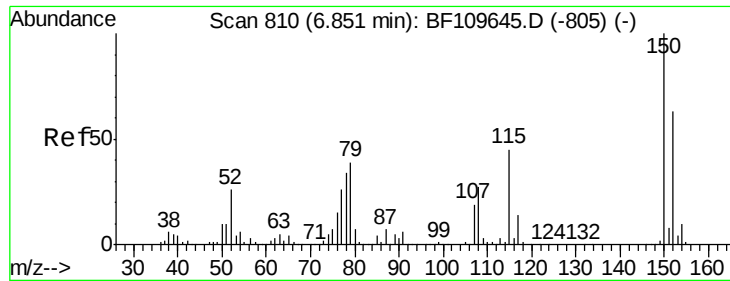
Tgt Ion:146 Resp: 275285
 Ion Ratio Lower Upper
 146 100
 148 62.5 50.3 75.5
 111 43.1 32.7 49.1



#14
 1,2-Dichlorobenzene
 Concen: 33.490 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion:146 Resp: 248005
 Ion Ratio Lower Upper
 146 100
 148 63.1 51.1 76.7
 111 45.4 35.8 53.6

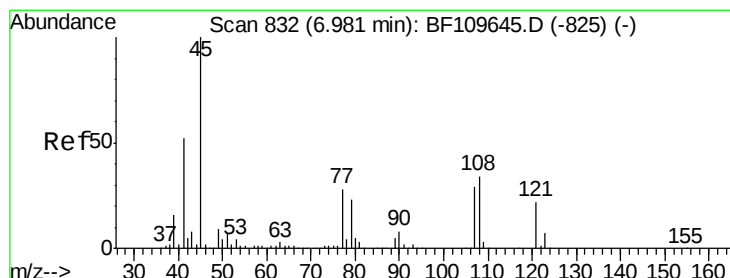
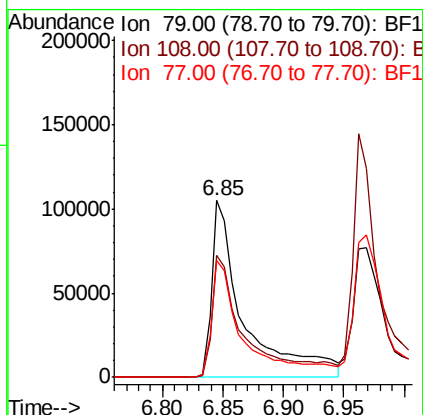
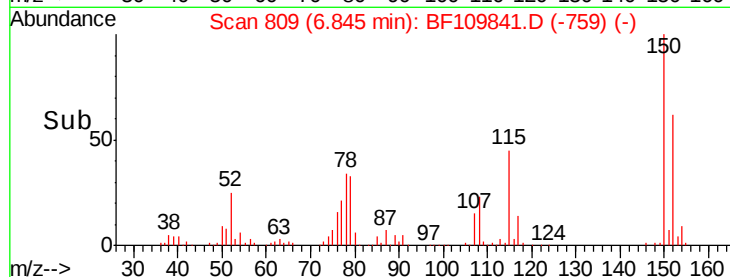
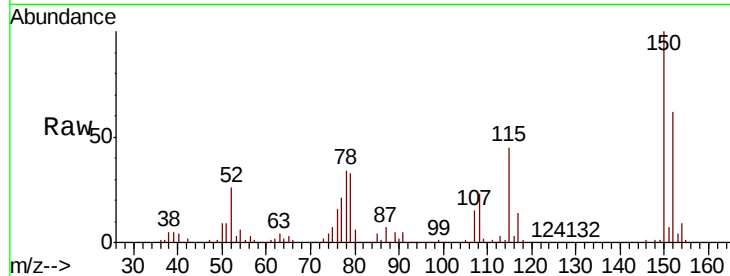




#15
Benzyl Alcohol
Concen: 35.477 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

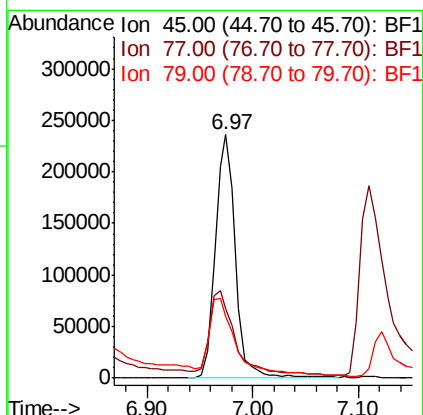
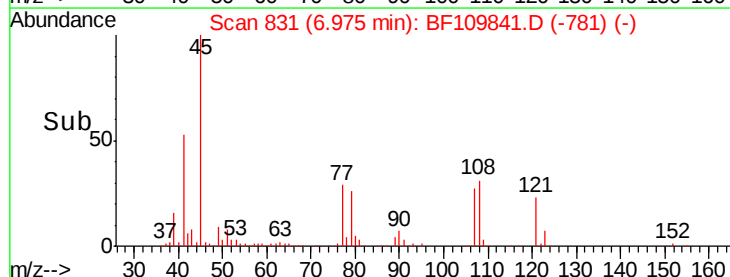
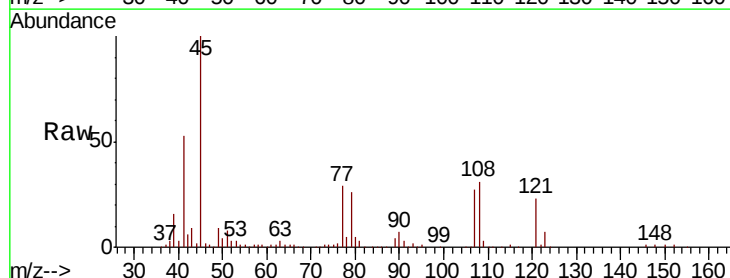
Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

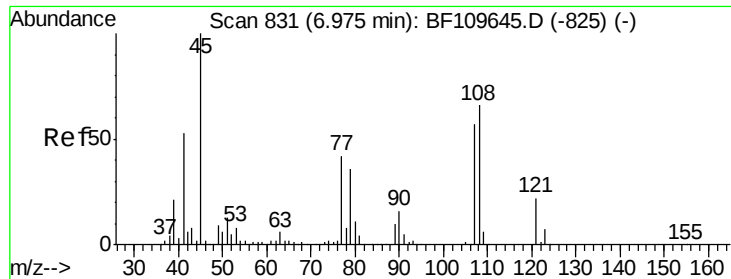
Tgt Ion: 79 Resp: 193216
Ion Ratio Lower Upper
79 100
108 69.2 56.3 84.5
77 65.7 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.087 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion: 45 Resp: 315665
Ion Ratio Lower Upper
45 100
77 28.7 10.0 50.0
79 25.6 6.1 46.1

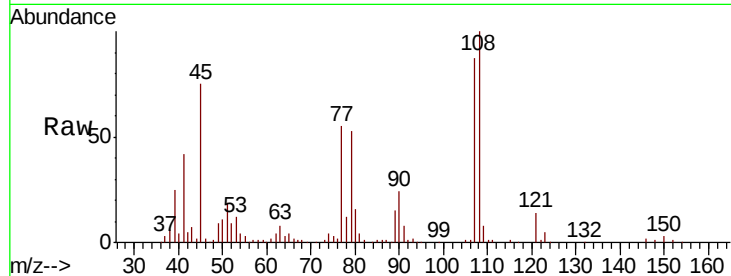




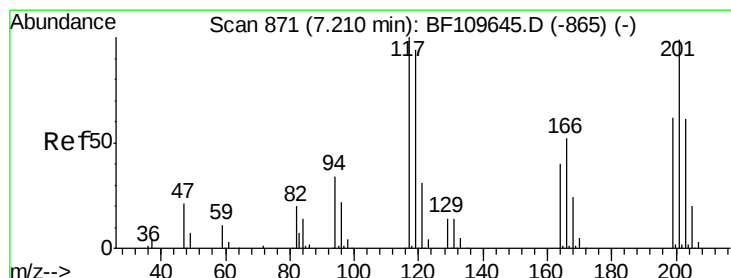
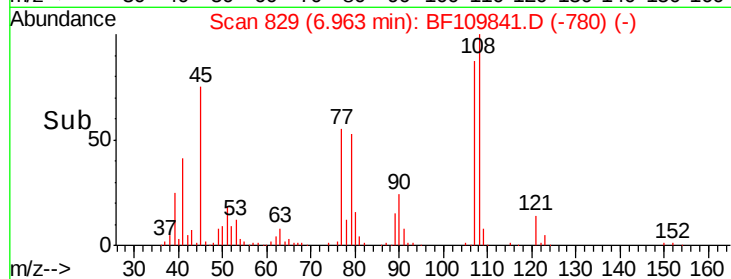
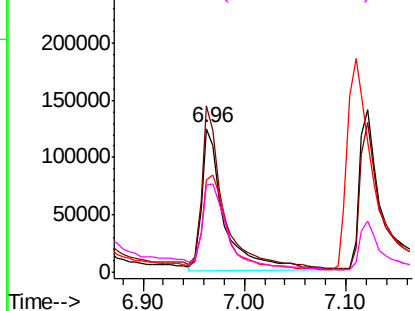
#17
2-Methylphenol
Concen: 35.493 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

Tgt Ion:107 Resp: 189830
Ion Ratio Lower Upper
107 100
108 115.5 92.6 138.8
77 63.8 59.4 89.2
79 60.9 54.0 81.0

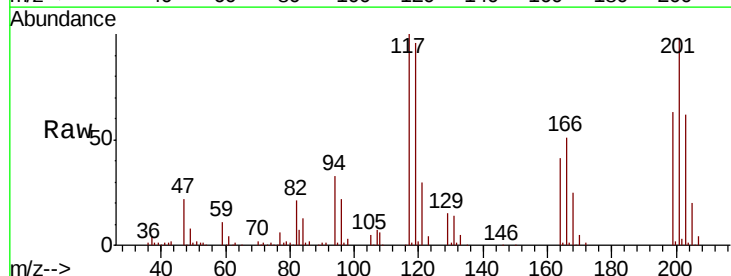


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

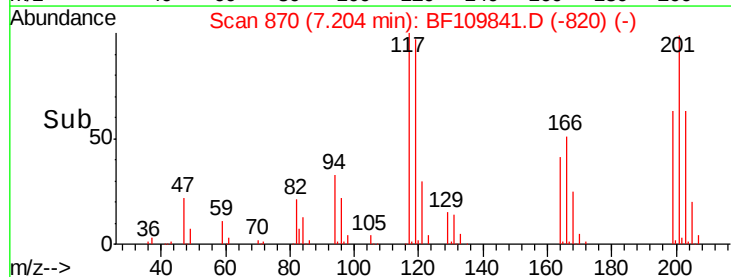
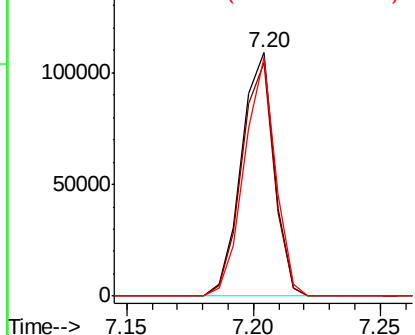


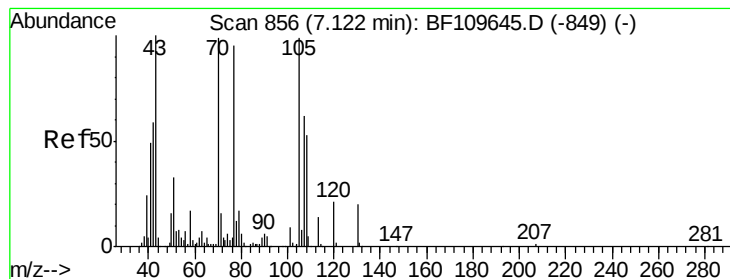
#18
Hexachloroethane
Concen: 33.009 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion:117 Resp: 98383
Ion Ratio Lower Upper
117 100
119 96.0 75.0 112.6
201 97.9 79.2 118.8



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: 33.800 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

Tgt Ion: 70 Resp: 174133

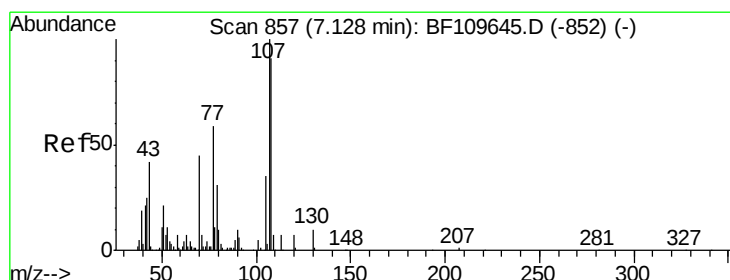
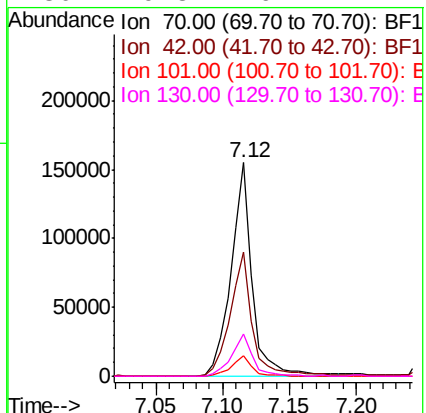
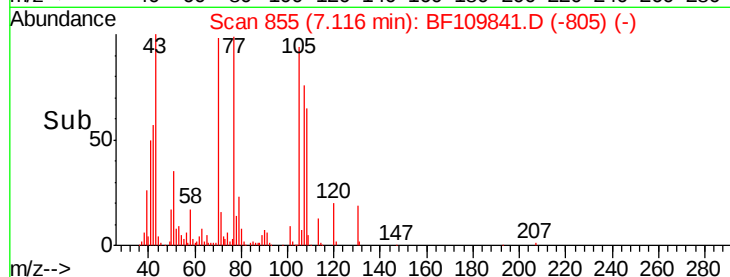
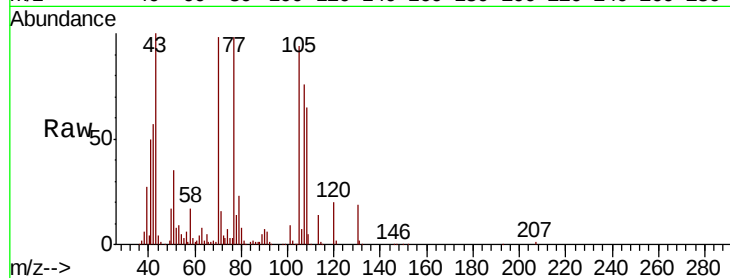
Ion Ratio Lower Upper

70 100

42 57.9 47.4 71.2

101 9.5 7.3 10.9

130 19.8 16.2 24.2



#20

3+4-Methylphenols

Concen: 34.249 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Tgt Ion: 107 Resp: 225717

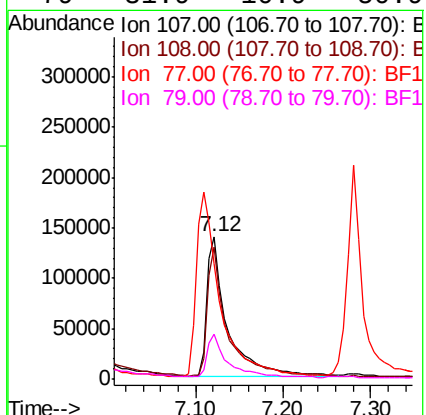
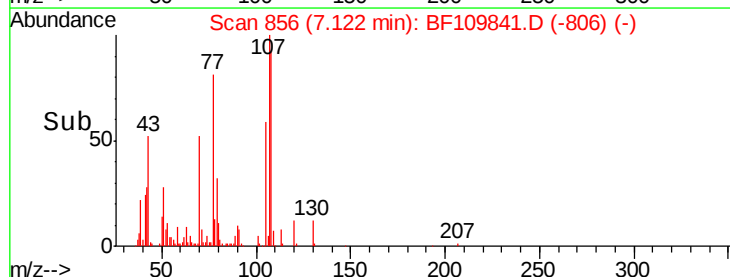
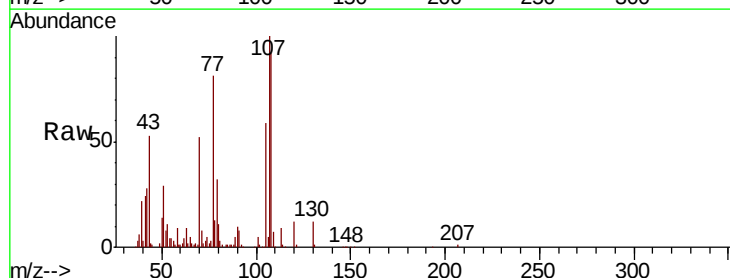
Ion Ratio Lower Upper

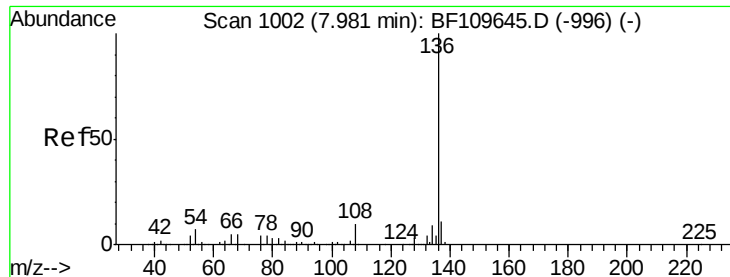
107 100

108 92.4 71.4 111.4

77 80.8 47.3 87.3

79 31.9 10.9 50.9

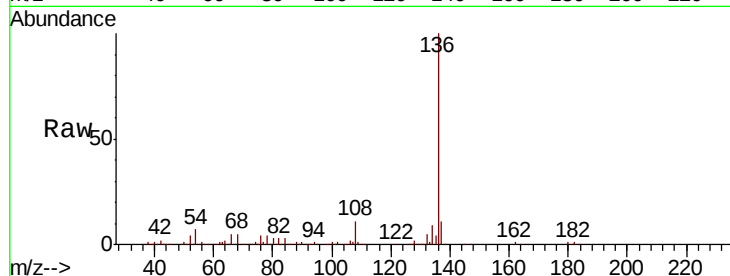




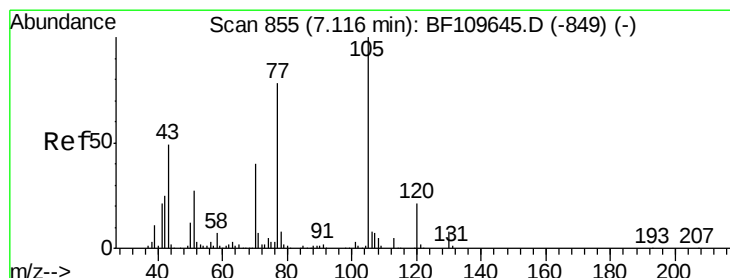
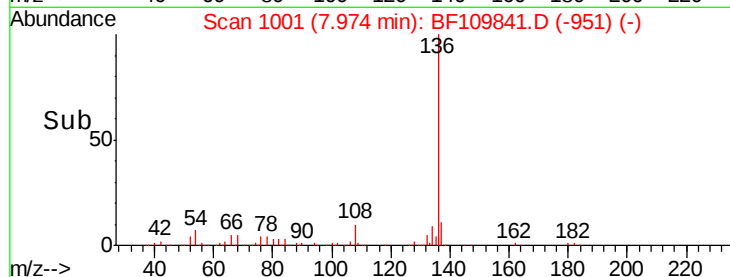
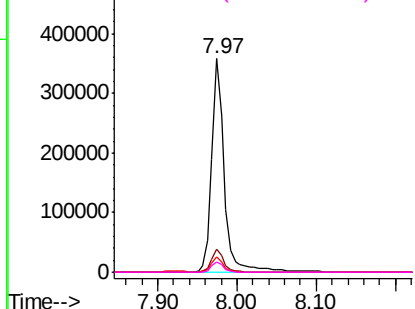
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

Tgt Ion:	136	Resp:	397420
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.2	5.4	8.2
68	5.0	4.2	6.2

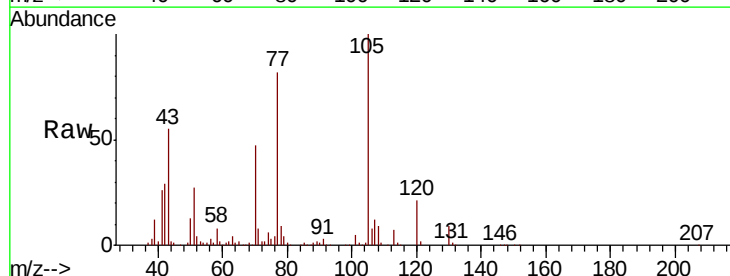


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

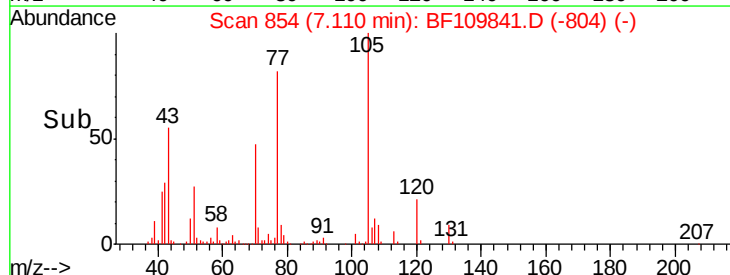
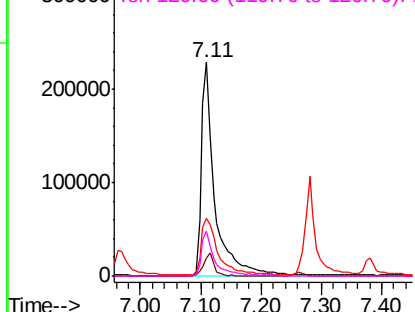


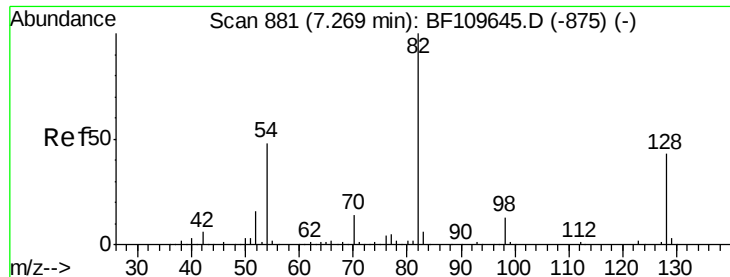
#22
Acetophenone
Concen: 37.472 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion:	105	Resp:	360119
Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.2	7.8#
51	27.2	21.8	32.8
120	20.9	17.0	25.4



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

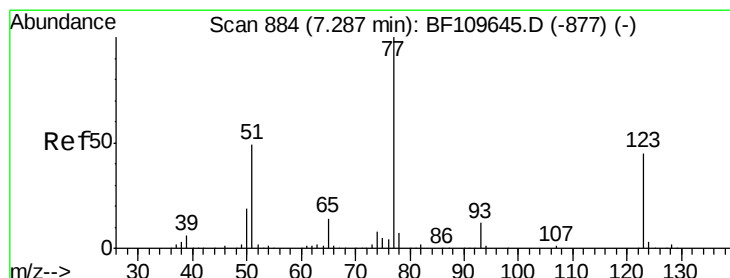
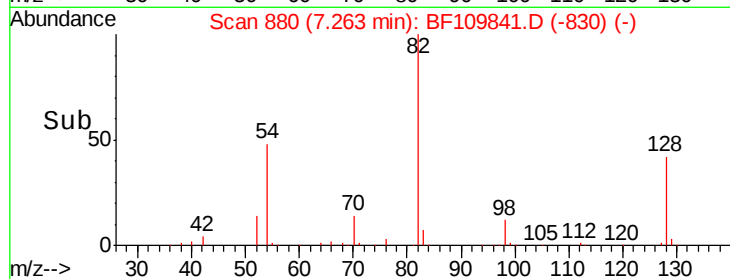
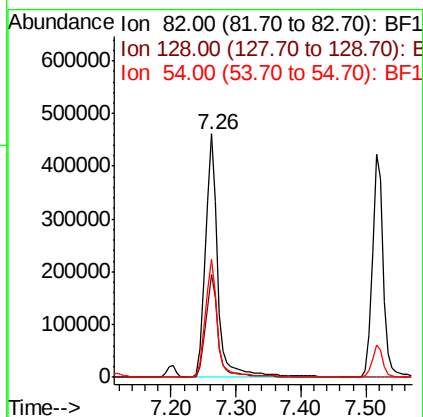
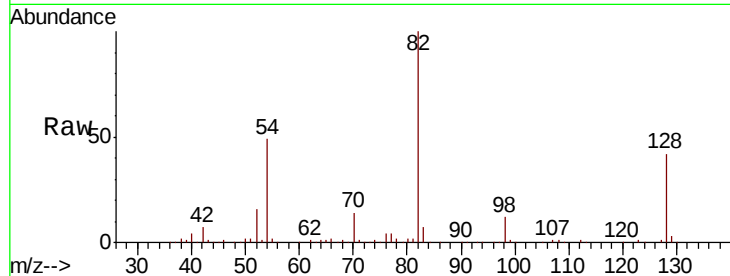




#23
 Nitrobenzene-d5
 Concen: 85.280 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

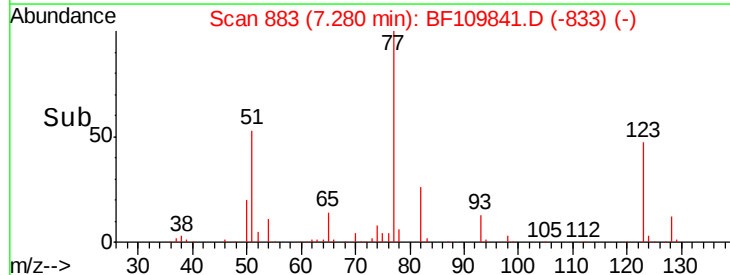
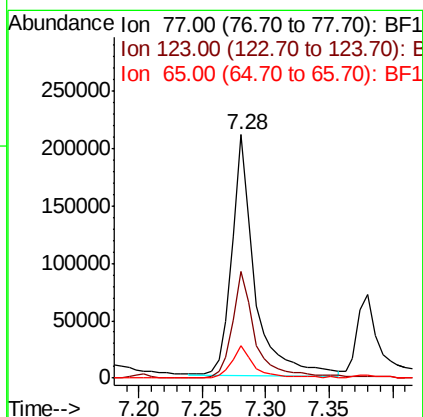
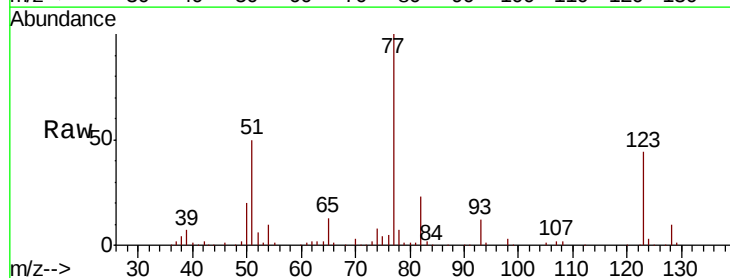
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

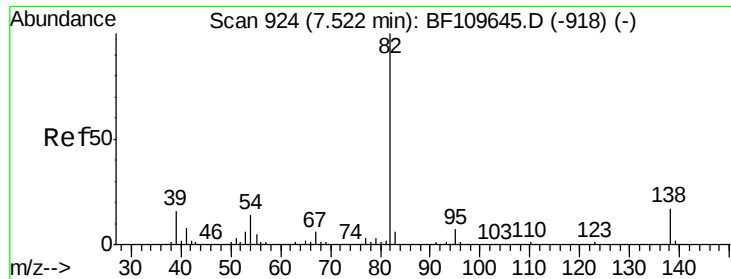
Tgt Ion: 82 Resp: 614838
 Ion Ratio Lower Upper
 82 100
 128 42.2 34.2 51.2
 54 48.7 38.6 58.0



#24
 Nitrobenzene
 Concen: 34.743 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion: 77 Resp: 260643
 Ion Ratio Lower Upper
 77 100
 123 43.9 35.7 53.5
 65 13.5 10.7 16.1

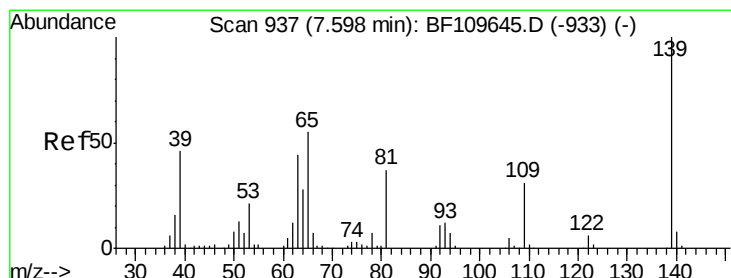
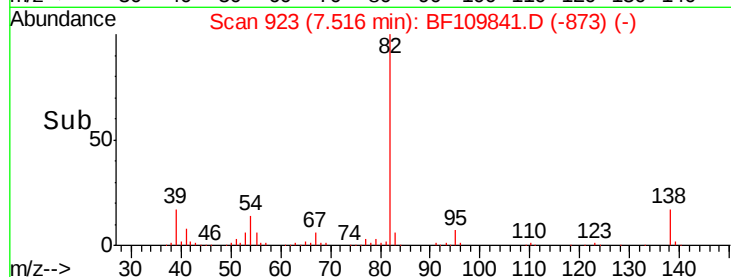
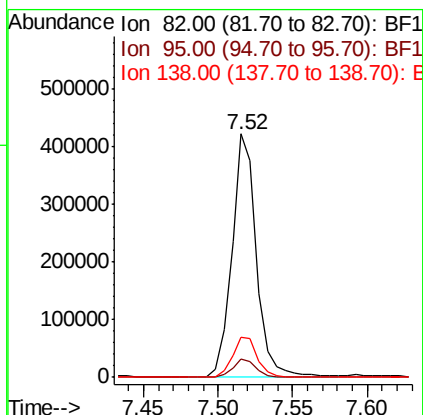
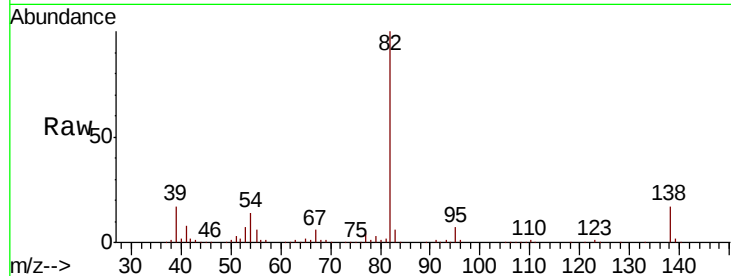




#25
Isophorone
Concen: 40.071 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

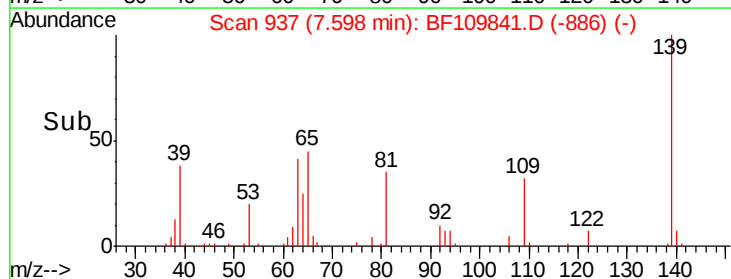
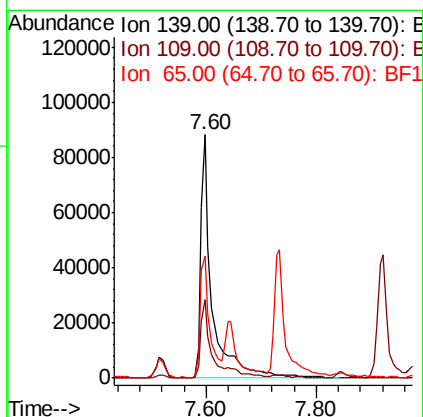
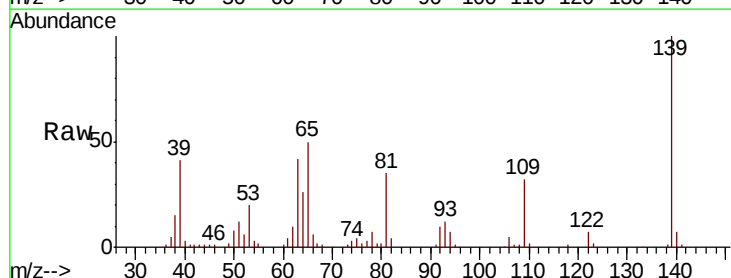
Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

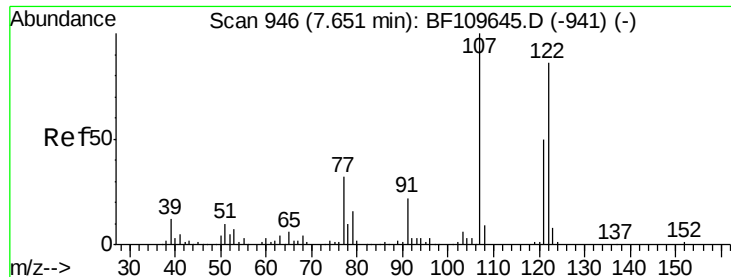
Tgt Ion: 82 Resp: 479731
Ion Ratio Lower Upper
82 100
95 7.3 5.7 8.5
138 16.7 13.2 19.8



#26
2-Nitrophenol
Concen: 36.074 ng
RT: 7.60 min Scan# 937
Delta R.T. -0.00 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion: 139 Resp: 126586
Ion Ratio Lower Upper
139 100
109 32.2 25.0 37.6
65 50.1 44.0 66.0

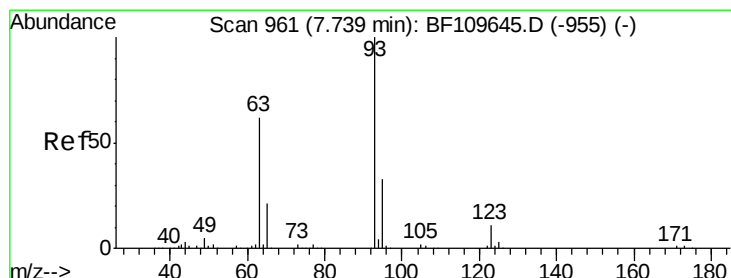
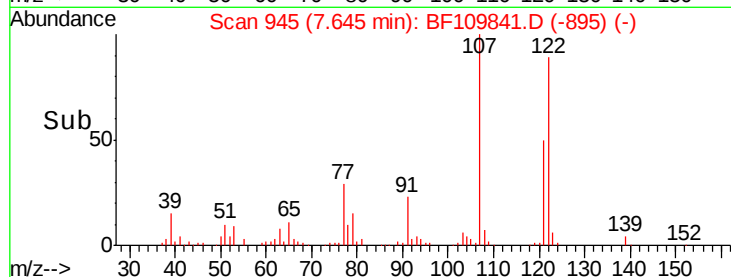
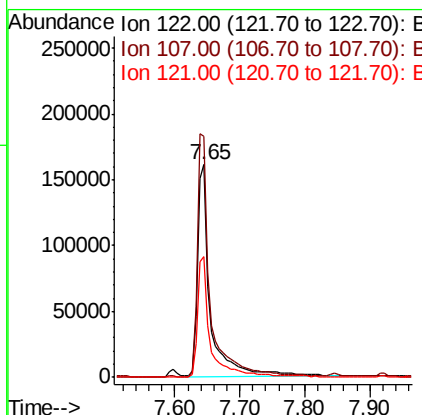
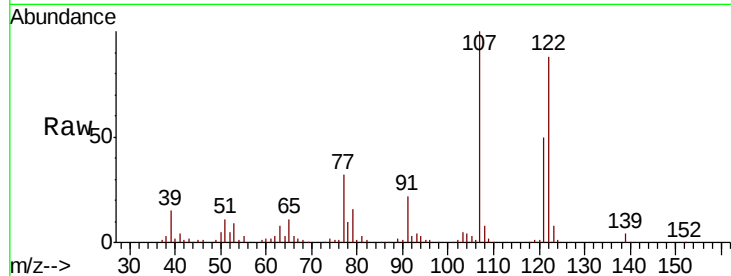




#27
 2,4-Dimethylphenol
 Concen: 43.417 ng
 RT: 7.65 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

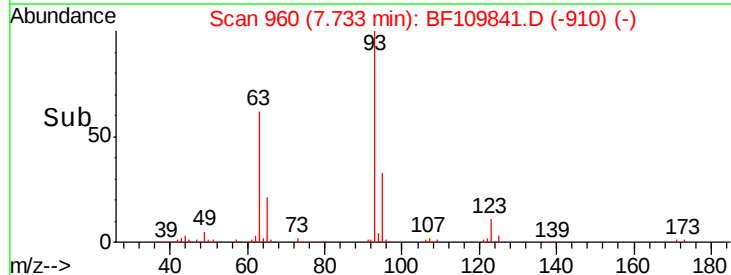
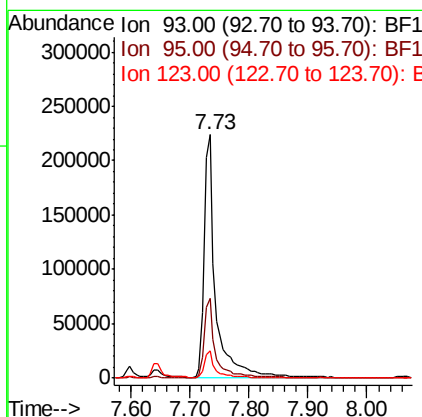
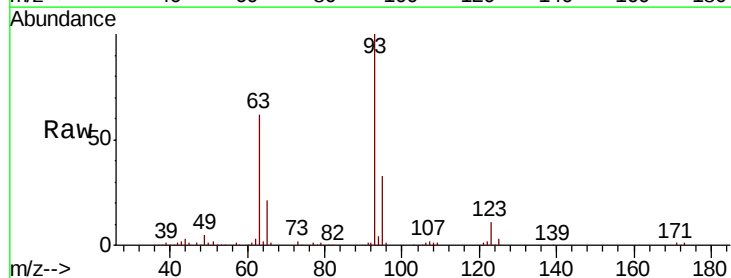
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

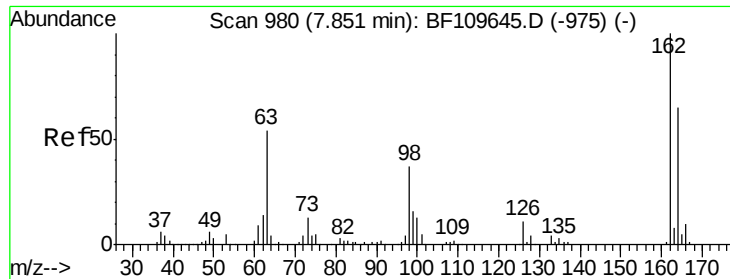
Tgt Ion	Ratio	Lower	Upper
122	100		
107	113.3	92.5	138.7
121	56.5	45.8	68.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 37.429 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.4	39.6
123	11.1	9.0	13.6

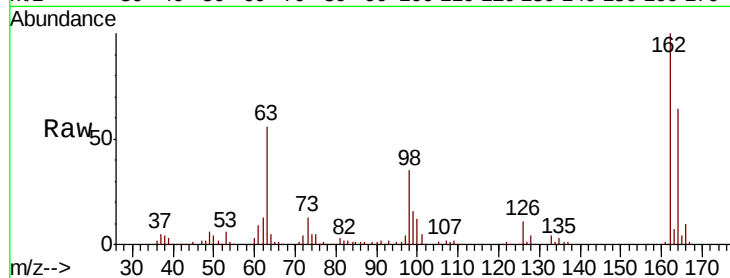




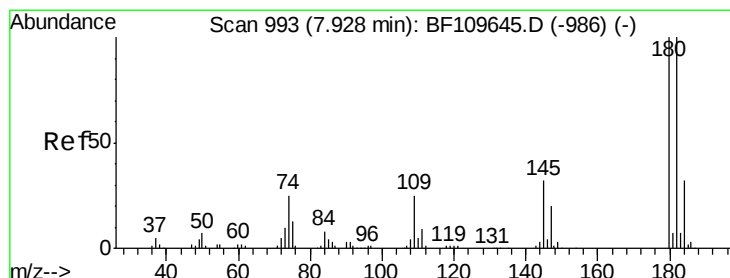
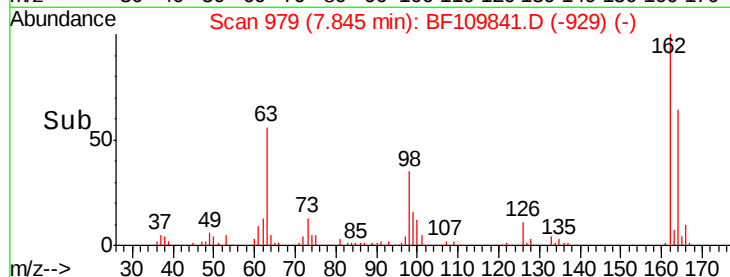
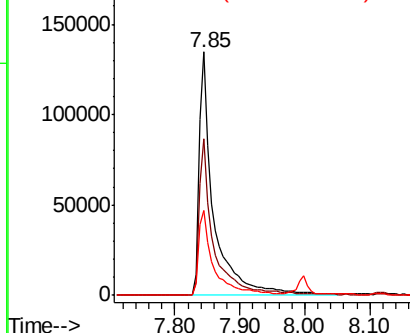
#29
2,4-Dichlorophenol
Concen: 36.914 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.6	84.6
98	35.0	17.4	57.4

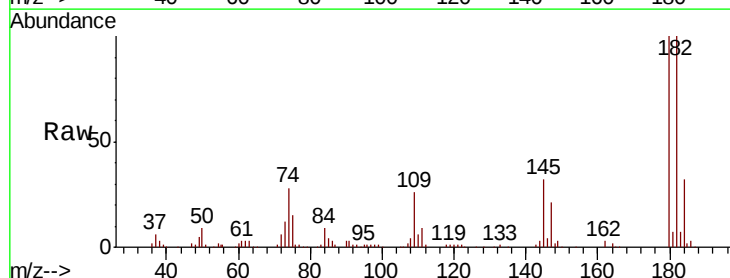


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

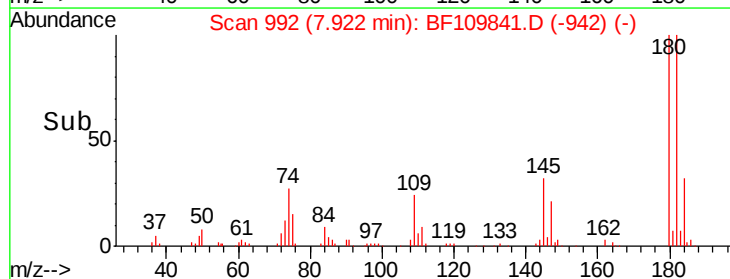
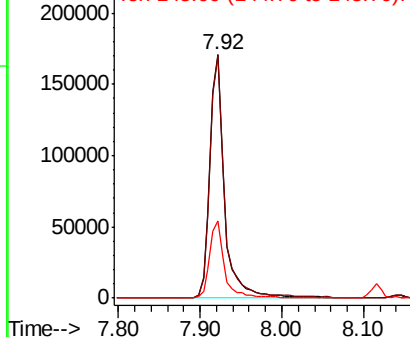


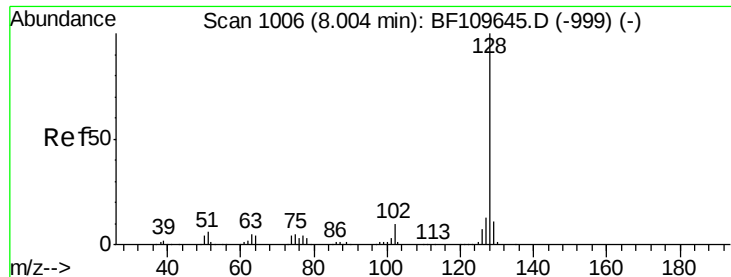
#30
1,2,4-Trichlorobenzene
Concen: 33.729 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.6	80.3	120.5
145	31.6	25.4	38.0



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

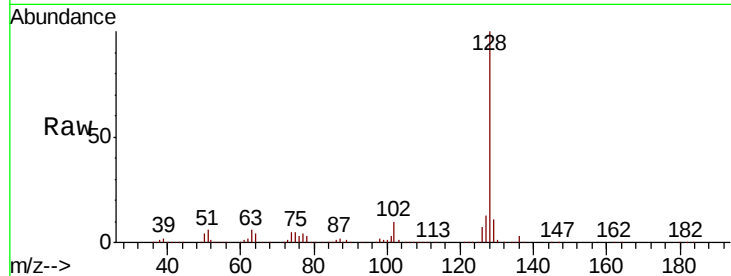




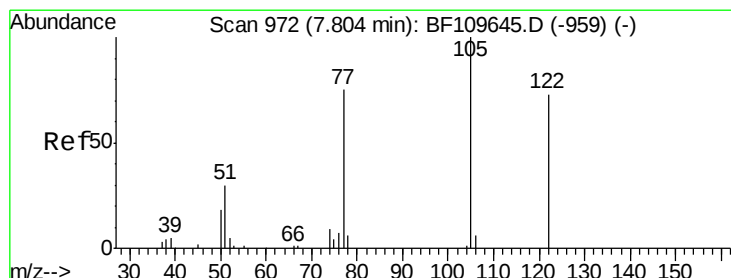
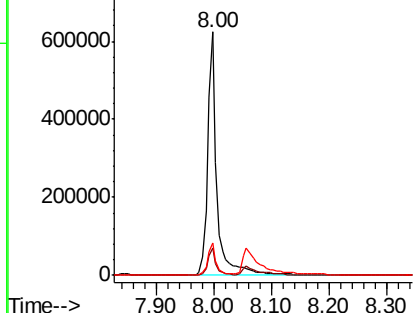
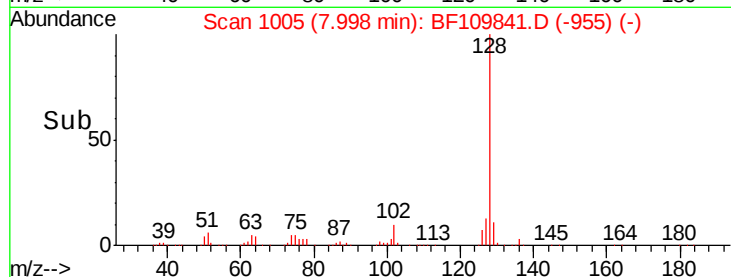
#31
Naphthalene
Concen: 39.058 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

Tgt Ion:128 Resp: 717876
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.4 10.8 16.2

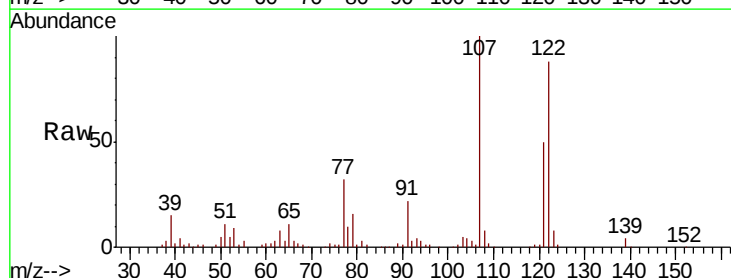


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

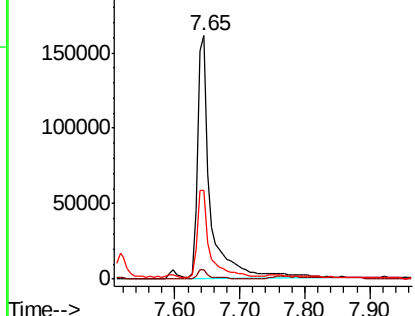
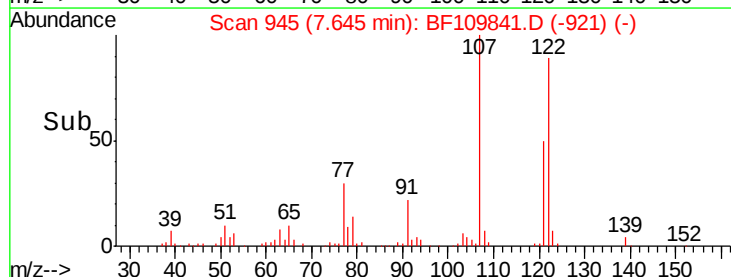


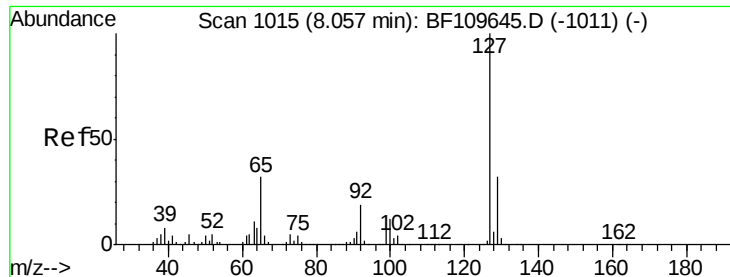
#32
Benzoic acid
Concen: 60.726 ng
RT: 7.65 min Scan# 945
Delta R.T. -0.16 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion:122 Resp: 220004
Ion Ratio Lower Upper
122 100
105 3.9 109.0 149.0#
77 36.4 79.0 119.0#



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

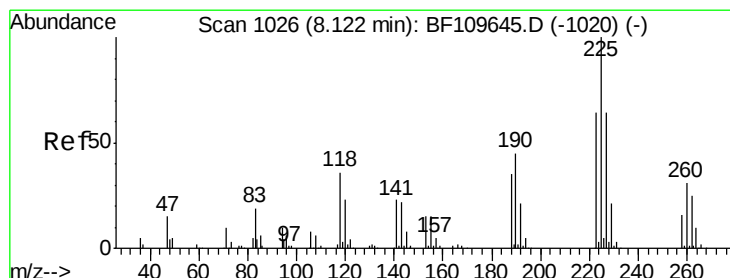
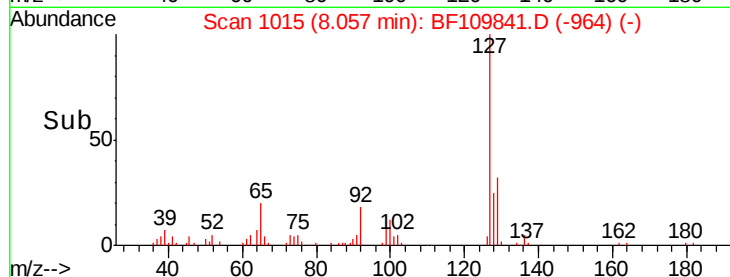
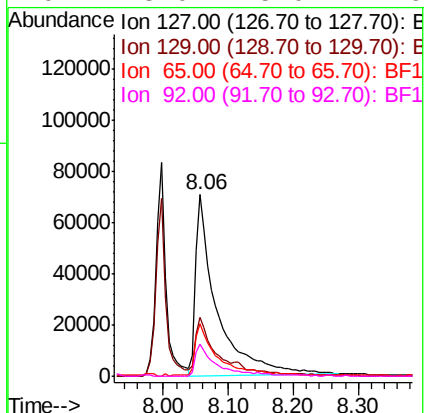
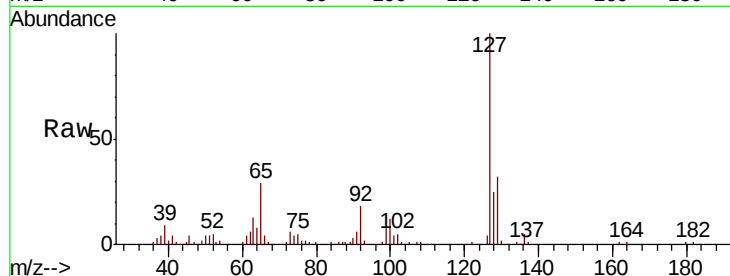




#33
4-Chloroaniline
Concen: 19.589 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

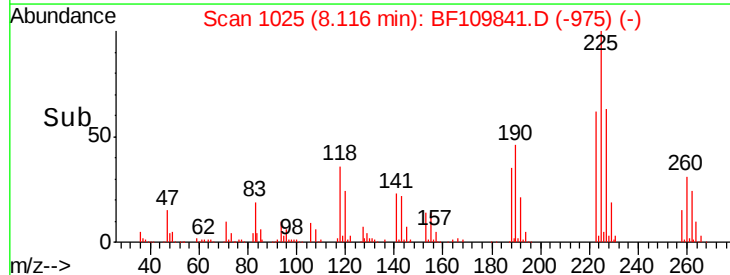
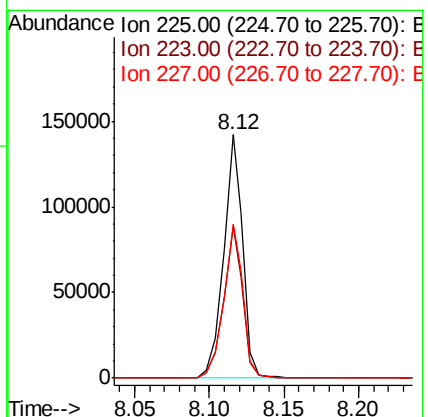
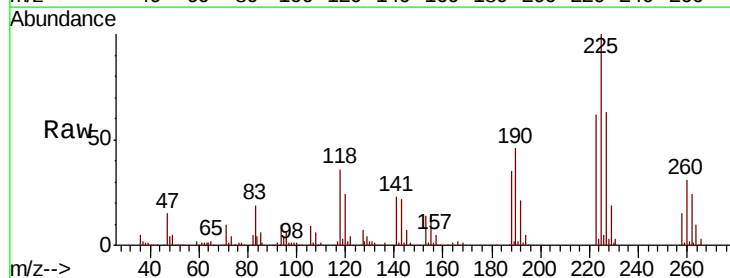
Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

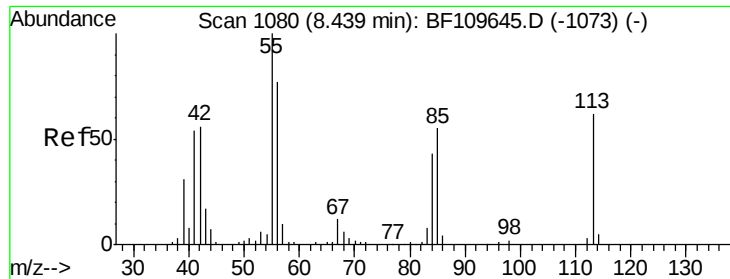
Tgt Ion:	127	Resp:	158546
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	29.3	25.1	37.7
92	18.0	15.0	22.6



#34
Hexachlorobutadiene
Concen: 32.786 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion:	225	Resp:	128263
Ion	Ratio	Lower	Upper
225	100		
223	62.3	51.4	77.2
227	63.1	51.0	76.6

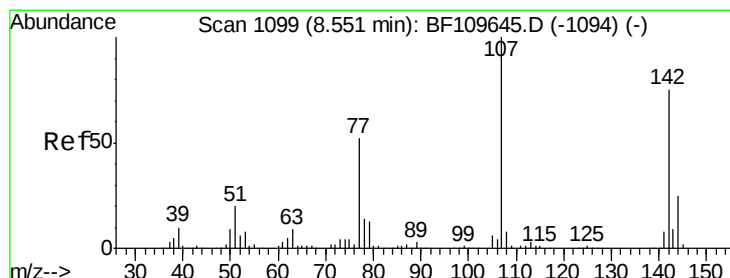
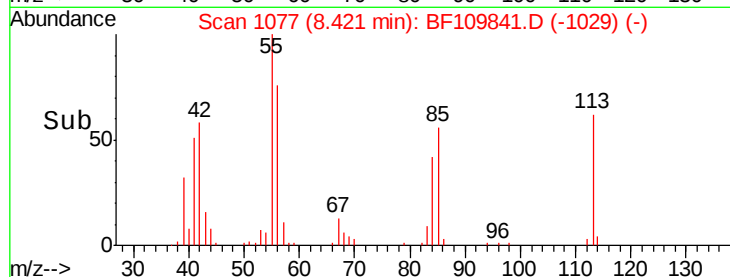
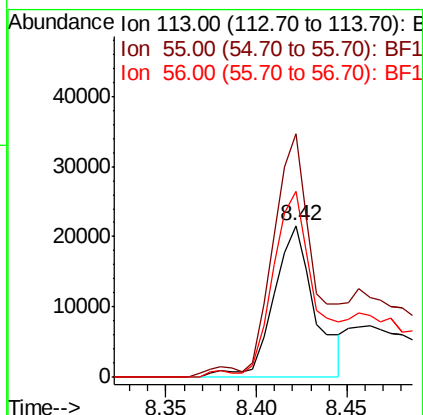
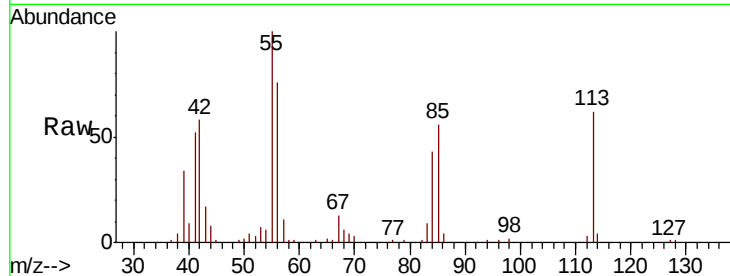




#35
 Caprolactam
 Concen: 19.980 ng
 RT: 8.42 min Scan# 1077
 Delta R.T. -0.02 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

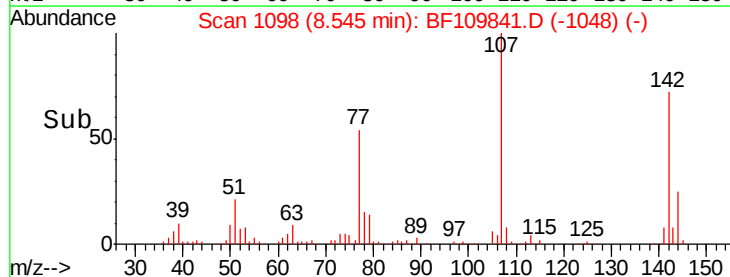
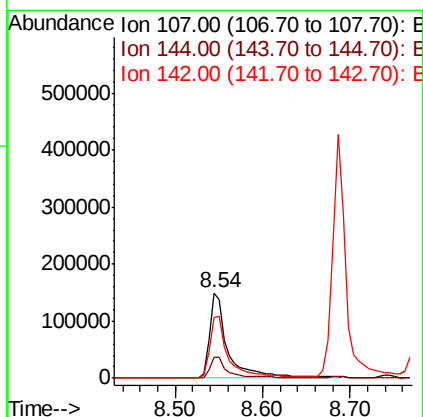
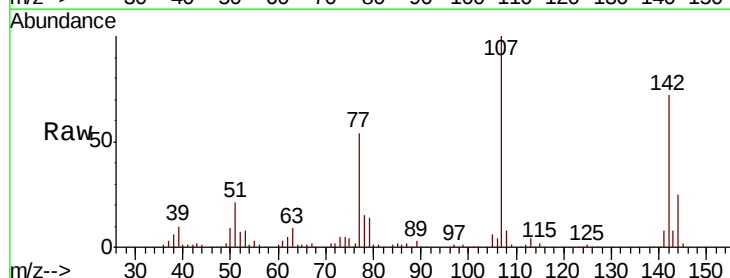
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

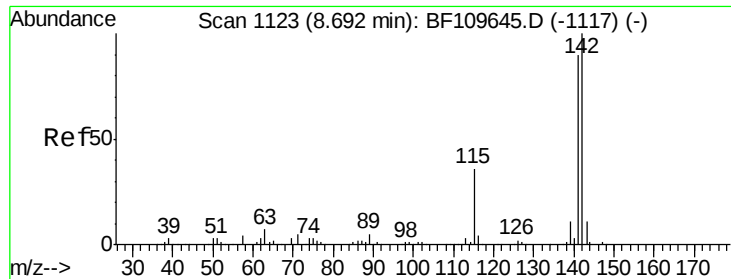
Tgt Ion:113 Resp: 33914
 Ion Ratio Lower Upper
 113 100
 55 160.6 142.8 182.8
 56 122.6 105.0 145.0



#36
 4-Chloro-3-methylphenol
 Concen: 36.316 ng
 RT: 8.54 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion:107 Resp: 217889
 Ion Ratio Lower Upper
 107 100
 144 25.0 20.0 30.0
 142 72.0 59.7 89.5

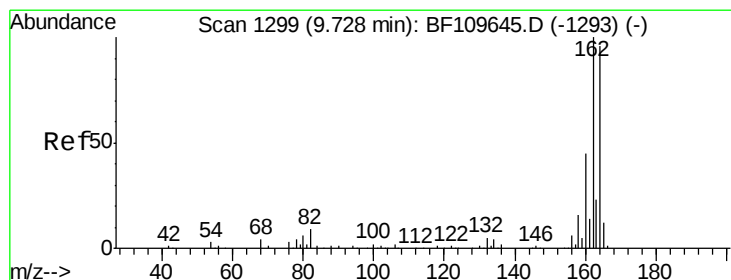
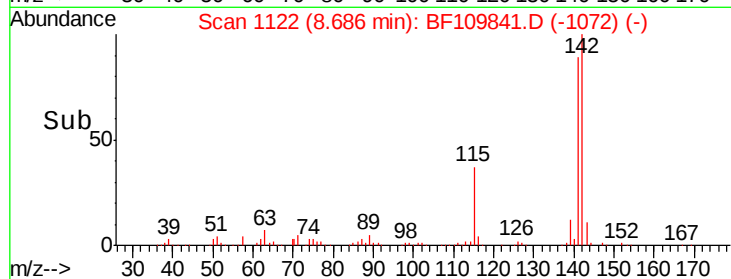
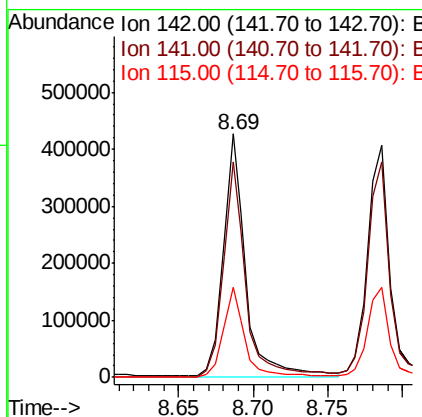
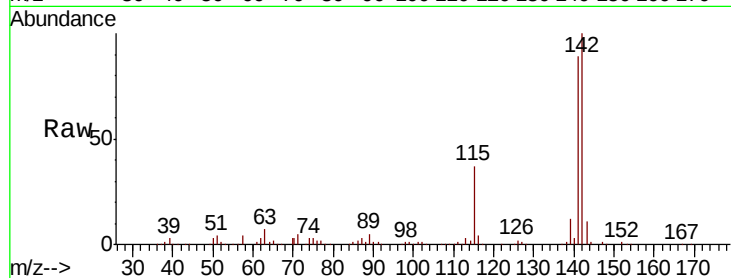




#37
 2-Methylnaphthalene
 Concen: 37.718 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

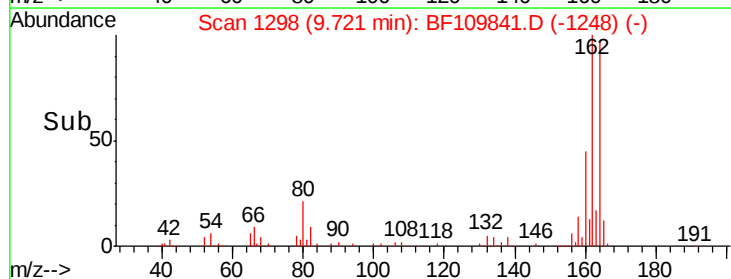
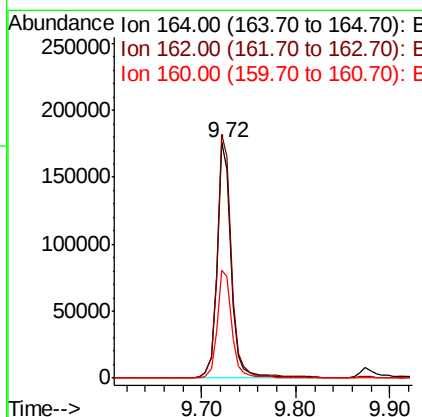
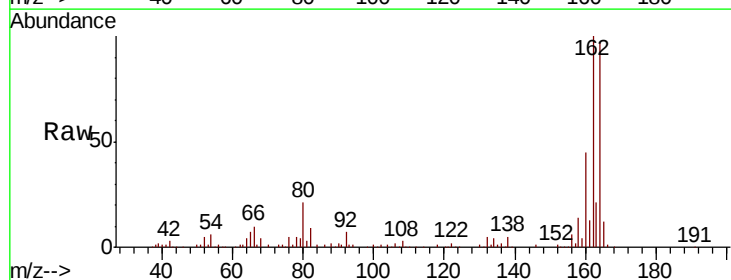
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

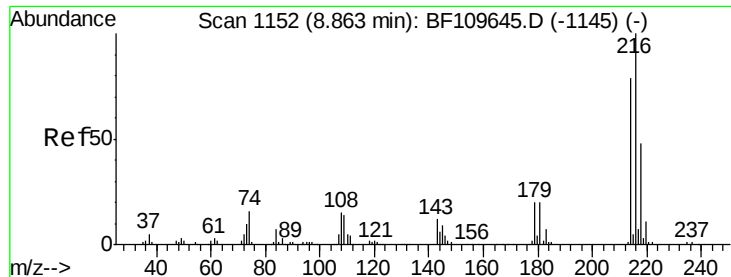
Tgt Ion:	142	Resp:	454093
Ion Ratio	Lower	Upper	
142	100		
141	88.6	71.4	107.2
115	37.2	28.7	43.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion:	164	Resp:	185781
Ion Ratio	Lower	Upper	
164	100		
162	103.2	83.0	124.6
160	46.0	37.0	55.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 33.824 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

Tgt Ion:216 Resp: 213906

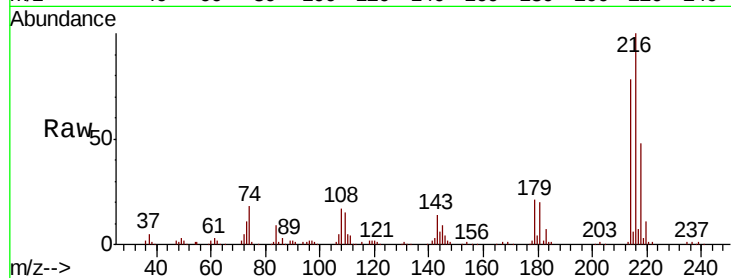
Ion Ratio Lower Upper

216 100

214 78.6 63.8 95.6

179 20.8 16.6 25.0

108 20.2 15.1 22.7

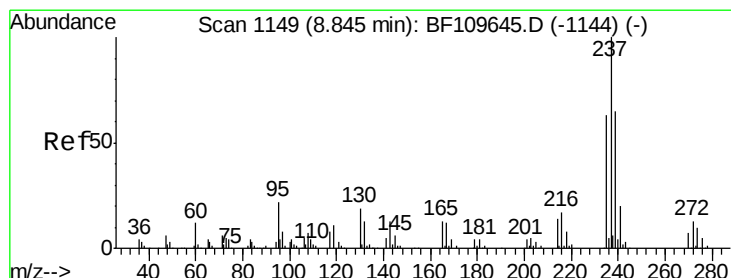
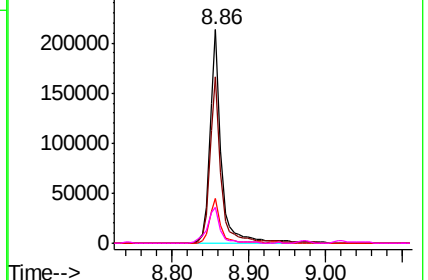
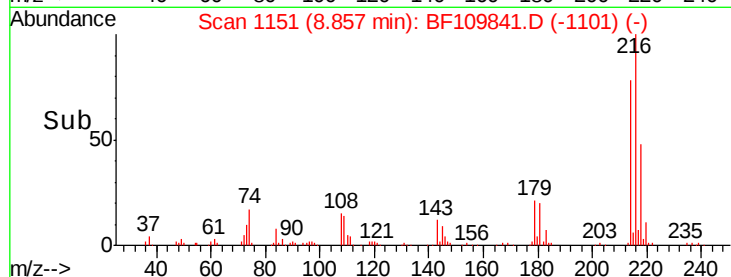


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 51.298 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

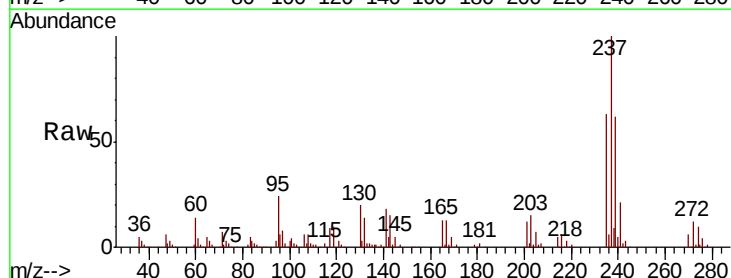
Tgt Ion:237 Resp: 134185

Ion Ratio Lower Upper

237 100

235 63.4 43.1 83.1

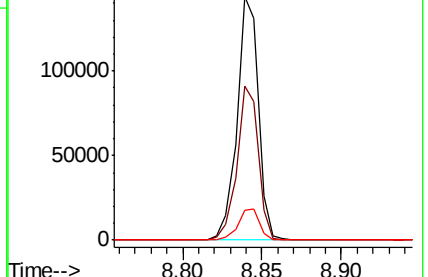
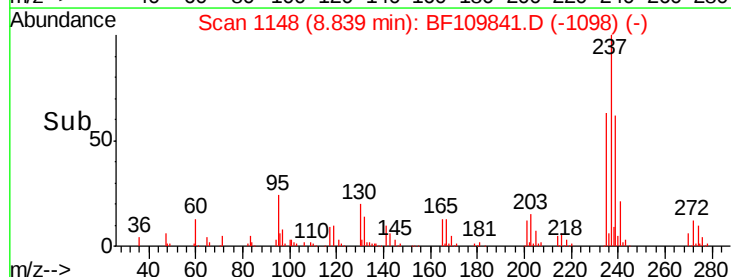
272 12.4 0.0 32.6



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

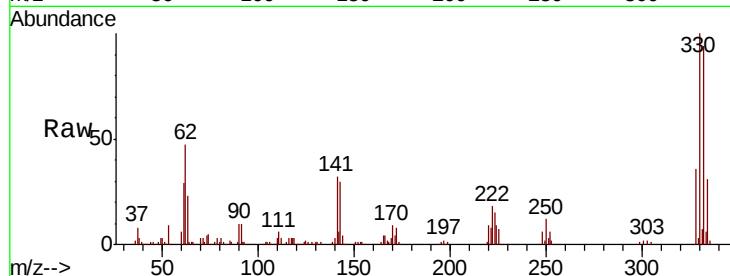




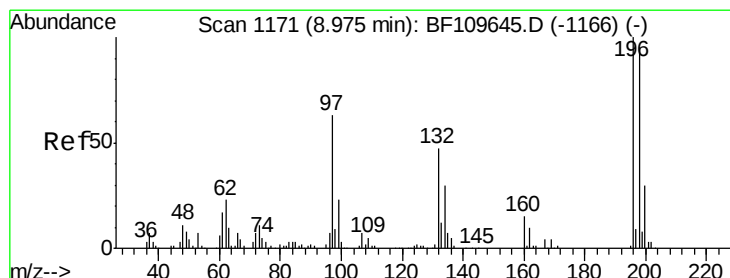
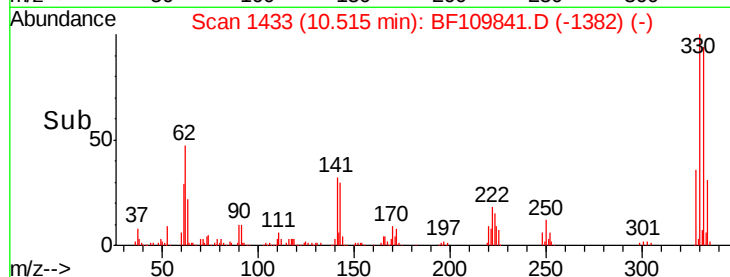
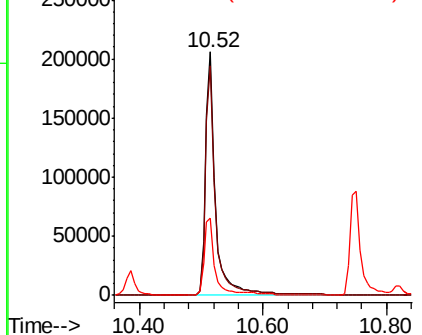
#41
 2,4,6-Tribromophenol
 Concen: 116.761 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

Tgt Ion:330 Resp: 236357
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.1 115.7
 141 33.0 27.0 40.4

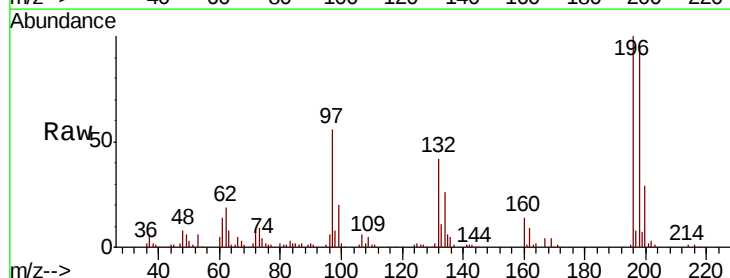


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

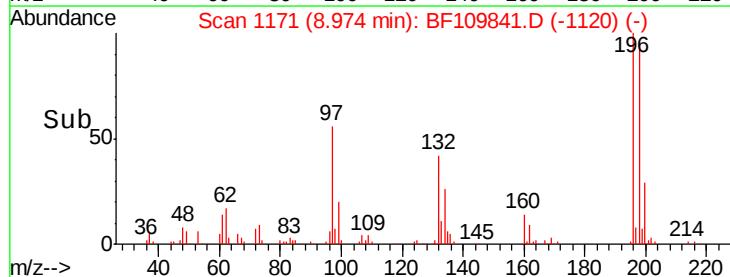
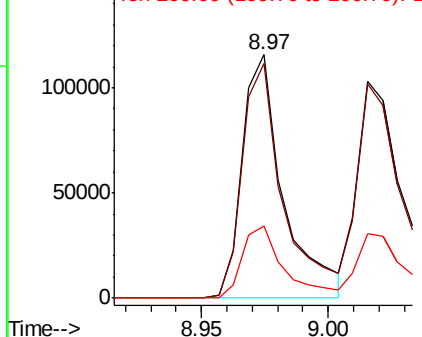


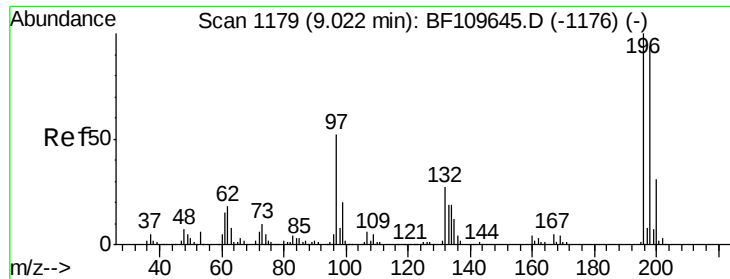
#42
 2,4,6-Trichlorophenol
 Concen: 34.604 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion:196 Resp: 130818
 Ion Ratio Lower Upper
 196 100
 198 96.3 76.2 114.4
 200 29.5 24.4 36.6



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

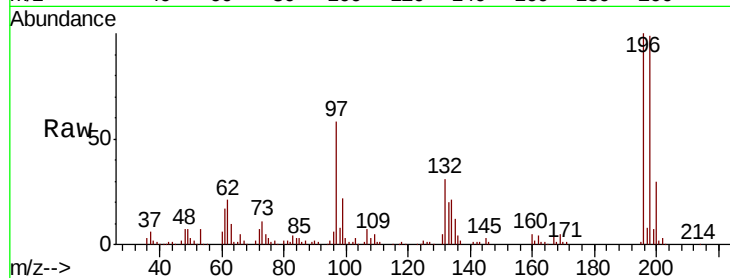




#43
2,4,5-Trichlorophenol
Concen: 34.166 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.7	75.8	113.6
97	57.9	42.4	63.6
132	30.8	22.8	34.2



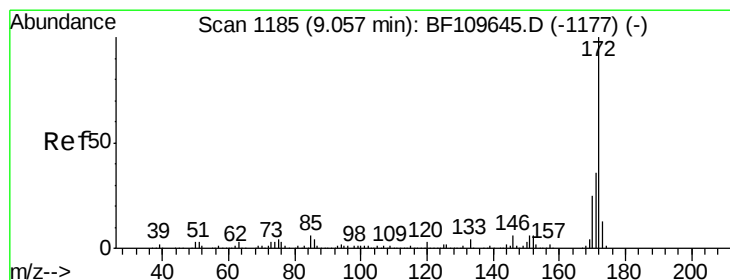
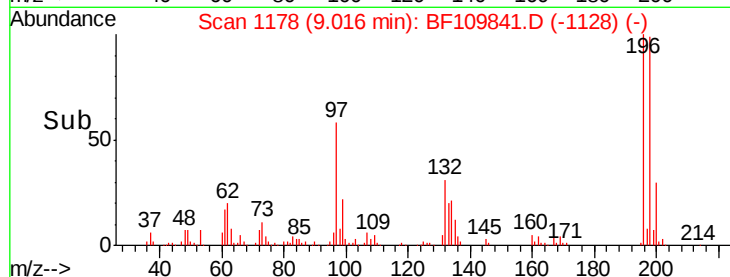
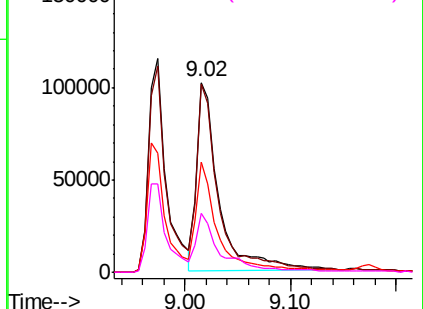
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

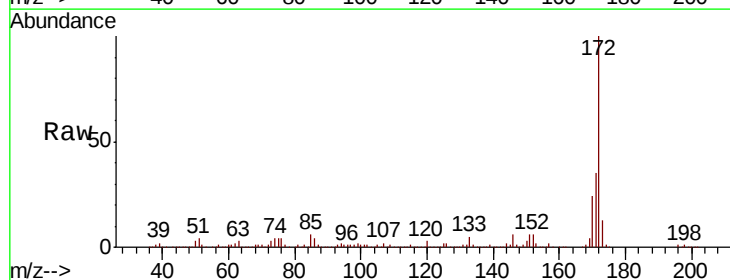
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44
2-Fluorobiphenyl
Concen: 77.154 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	24.2	19.7	29.5

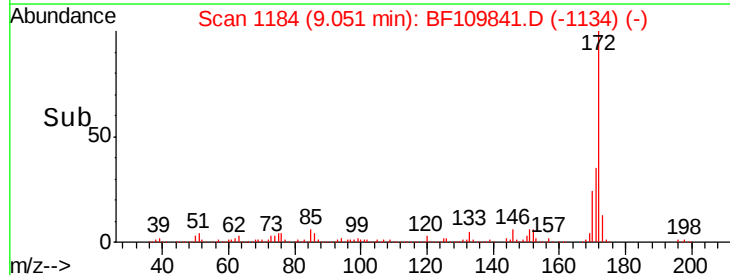
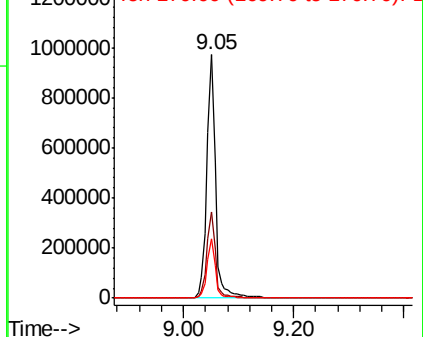


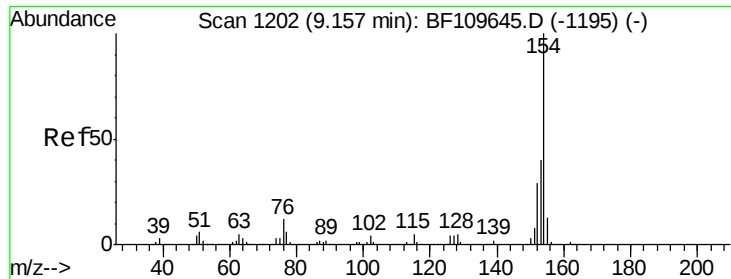
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

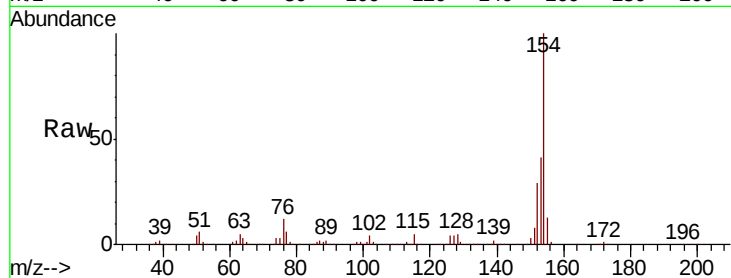




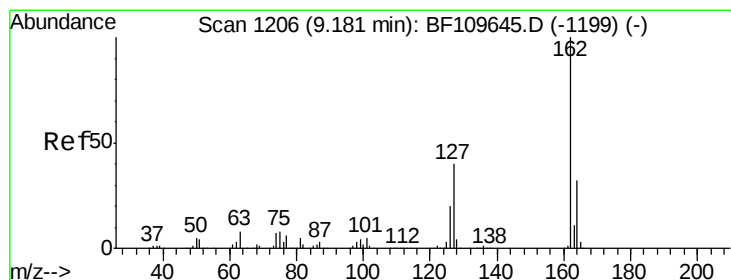
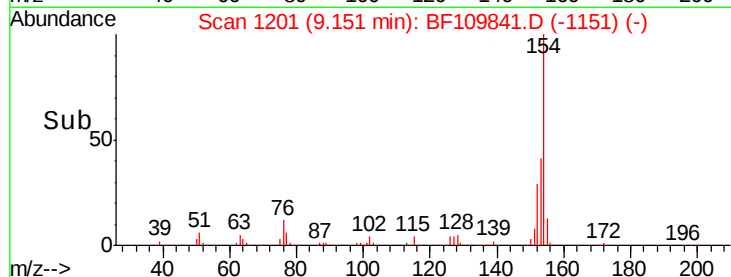
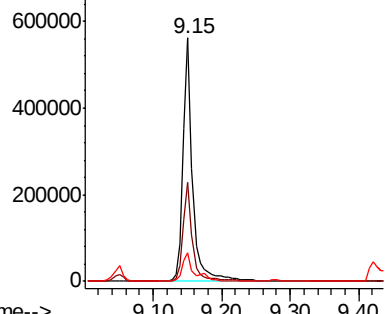
#45
 1,1'-Biphenyl
 Concen: 33.186 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

Tgt Ion:154 Resp: 550787
 Ion Ratio Lower Upper
 154 100
 153 40.6 20.4 60.4
 76 11.7 0.0 31.9

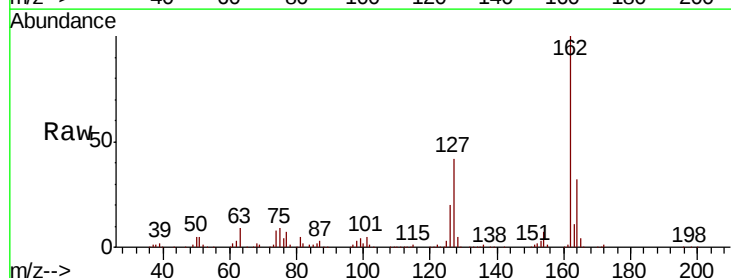


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

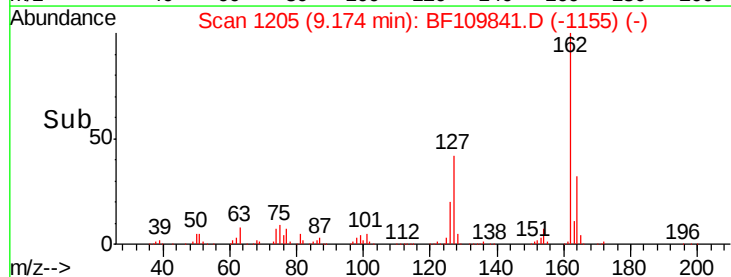
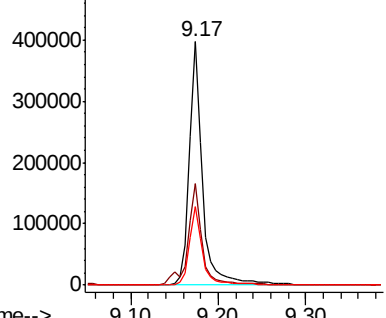


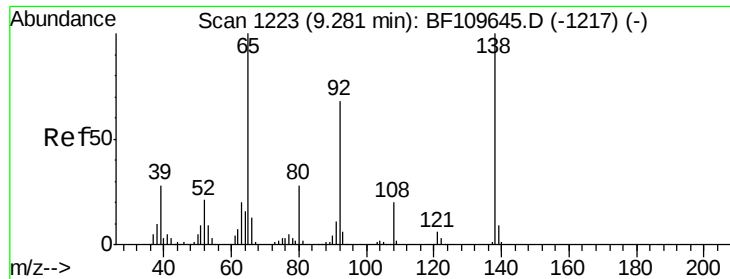
#46
 2-Chloronaphthalene
 Concen: 33.926 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion:162 Resp: 421847
 Ion Ratio Lower Upper
 162 100
 127 41.7 32.6 48.8
 164 32.1 25.9 38.9



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

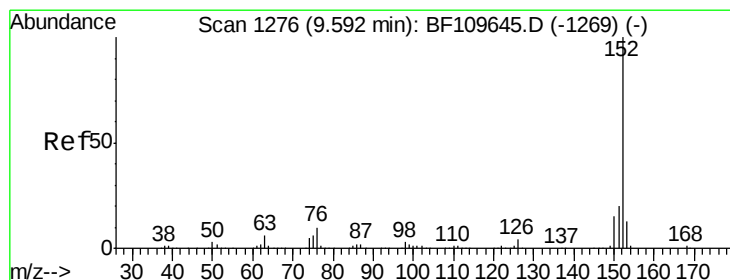
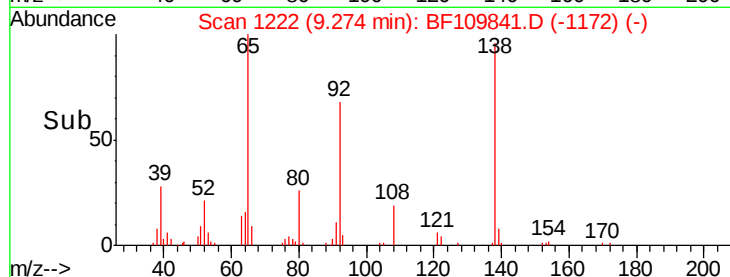
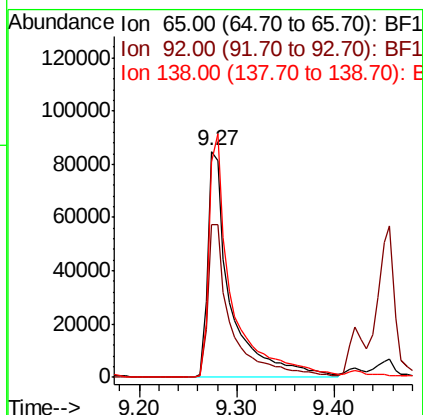
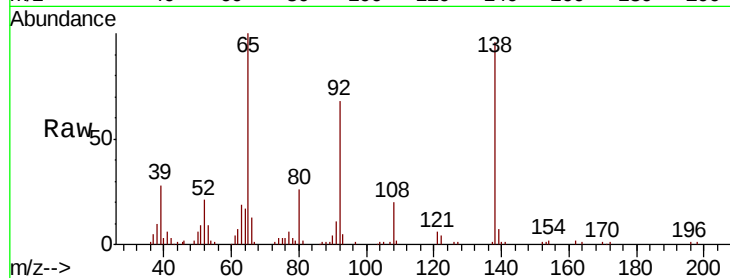




#47
2-Nitroaniline
Concen: 36.634 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

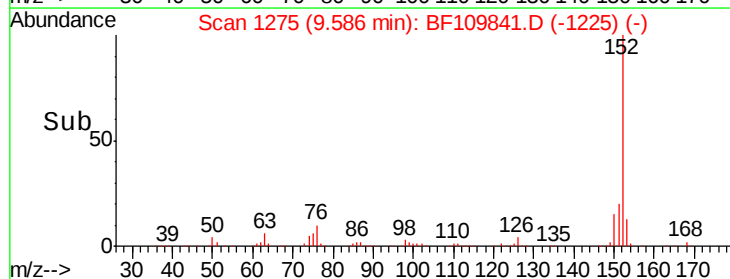
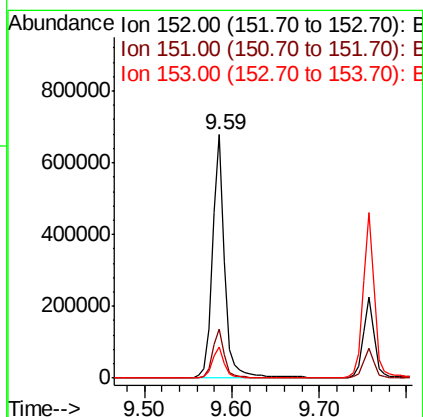
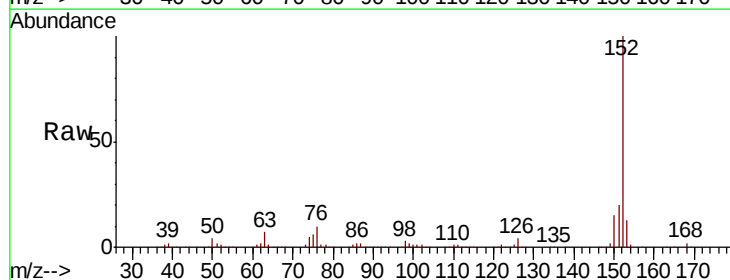
Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

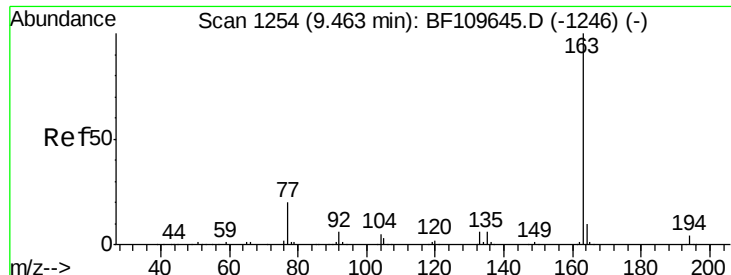
Tgt Ion: 65 Resp: 137926
Ion Ratio Lower Upper
65 100
92 67.7 54.6 81.8
138 95.6 80.3 120.5



#48
Acenaphthylene
Concen: 36.385 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion: 152 Resp: 659570
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.8
153 12.9 10.4 15.6

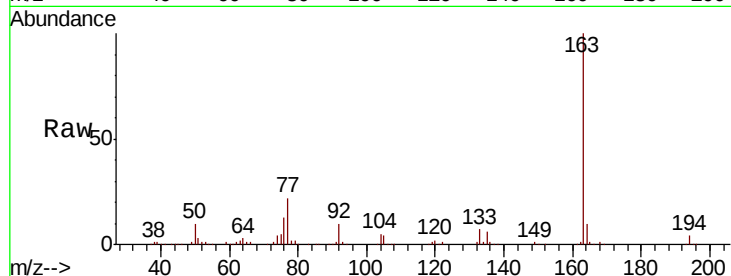




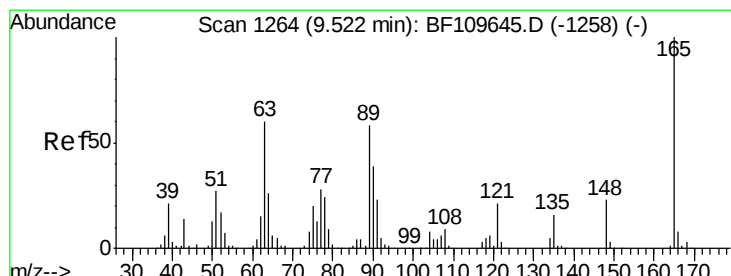
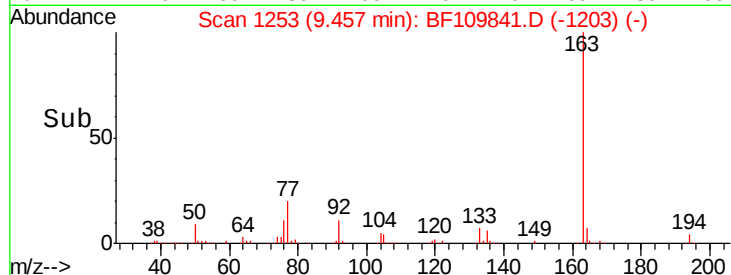
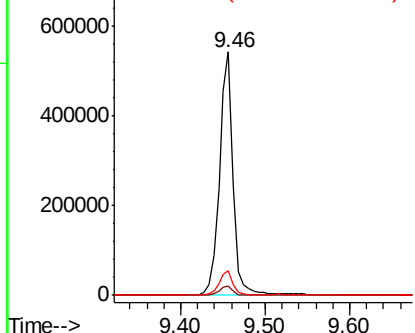
#49
Dimethylphthalate
Concen: 45.690 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

Tgt Ion:163 Resp: 622536
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.3 8.1 12.1

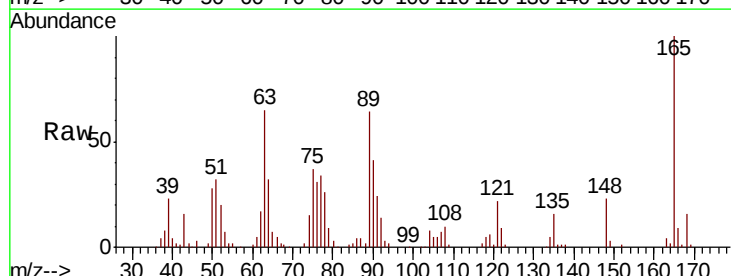


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

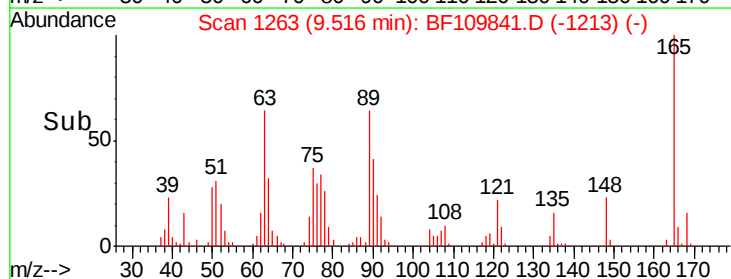
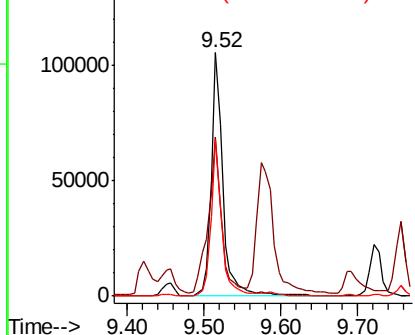


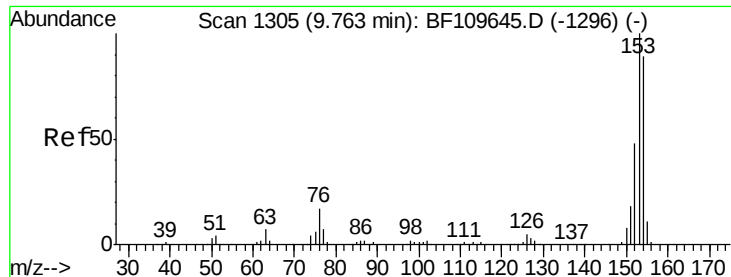
#50
2,6-Dinitrotoluene
Concen: 37.256 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion:165 Resp: 110035
Ion Ratio Lower Upper
165 100
63 65.3 48.9 73.3
89 64.1 46.6 69.8



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





#51

Acenaphthene

Concen: 34.250 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

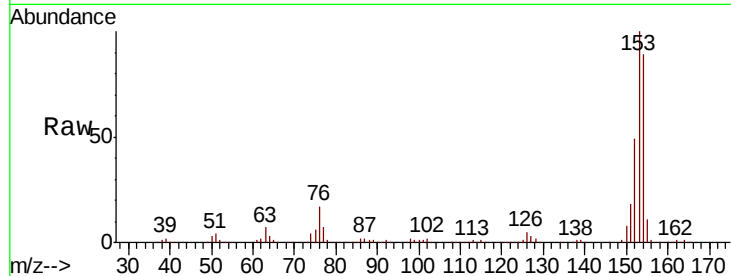
Tgt Ion:154 Resp: 368047

Ion Ratio Lower Upper

154 100

153 112.4 90.1 135.1

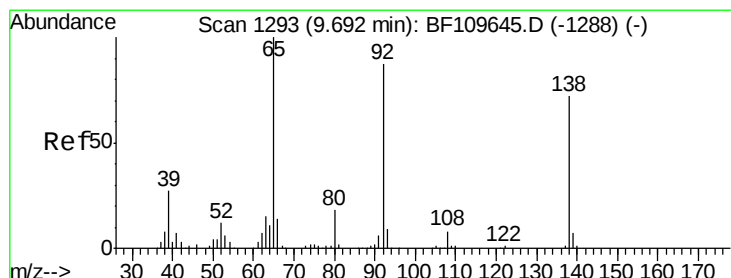
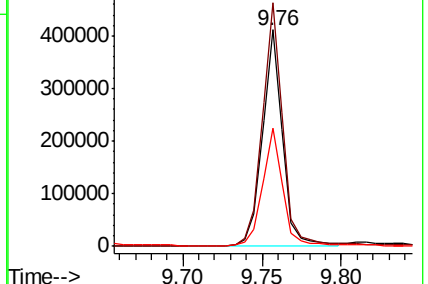
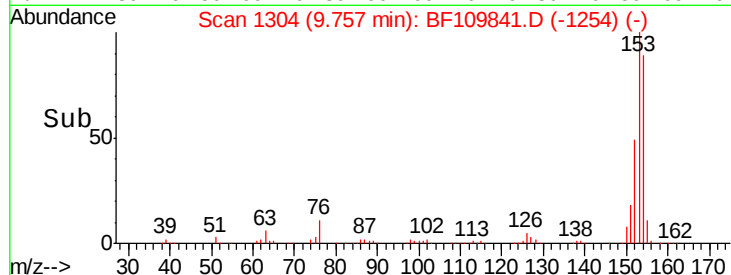
152 54.7 43.4 65.2



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



#52

3-Nitroaniline

Concen: 26.812 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

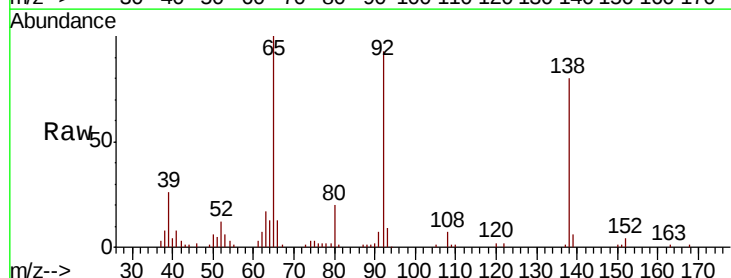
Tgt Ion:138 Resp: 88769

Ion Ratio Lower Upper

138 100

108 9.1 8.7 13.1

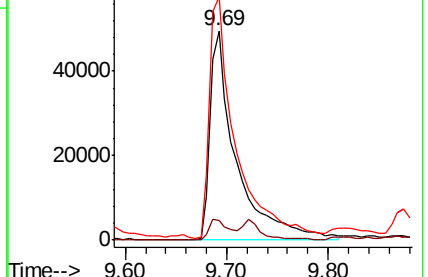
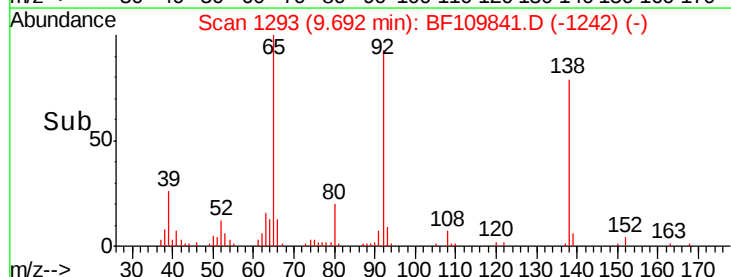
92 116.4 97.0 145.4

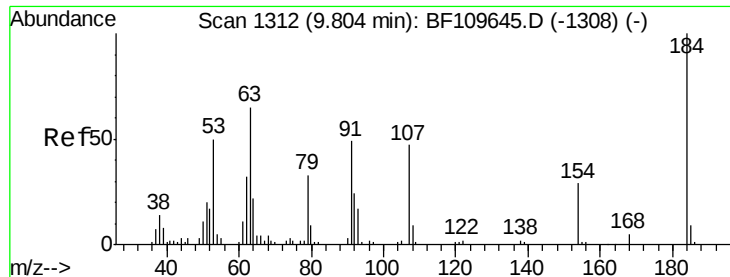


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

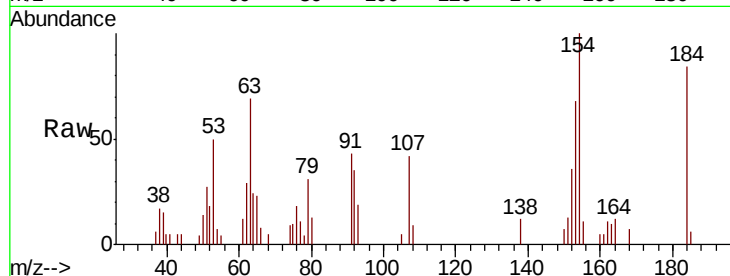




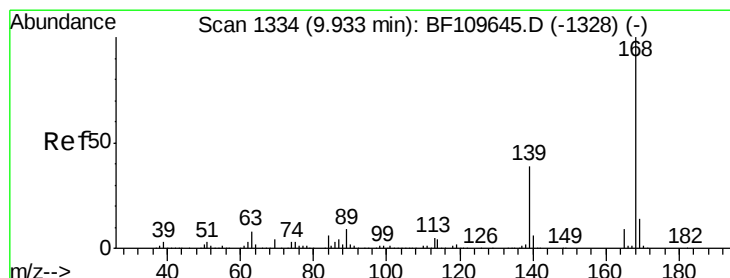
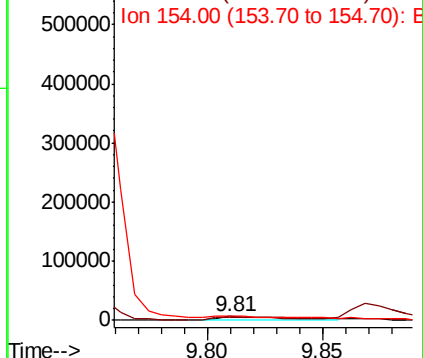
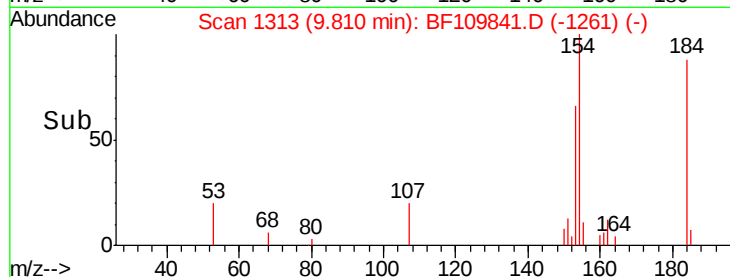
#53
2,4-Dinitrophenol
Concen: 16.961 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

Tgt Ion:184 Resp: 16162
Ion Ratio Lower Upper
184 100
63 81.3 55.8 83.6
154 118.4 63.2 94.8#

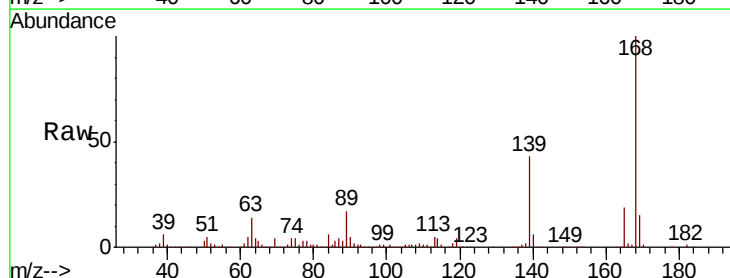


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

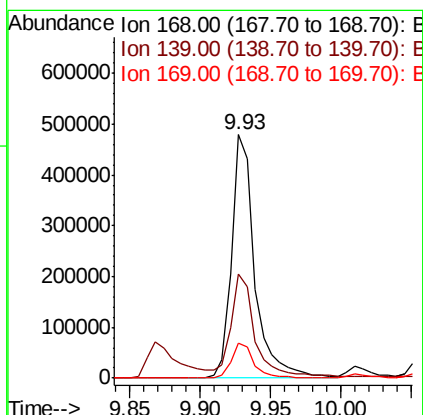
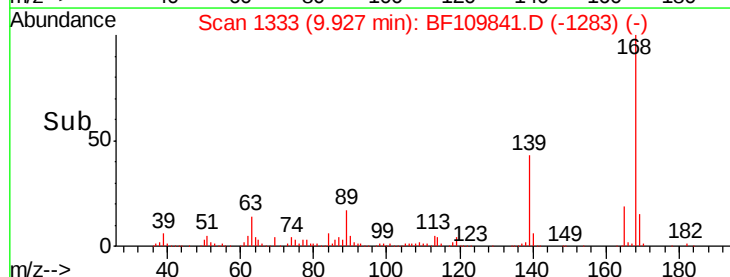


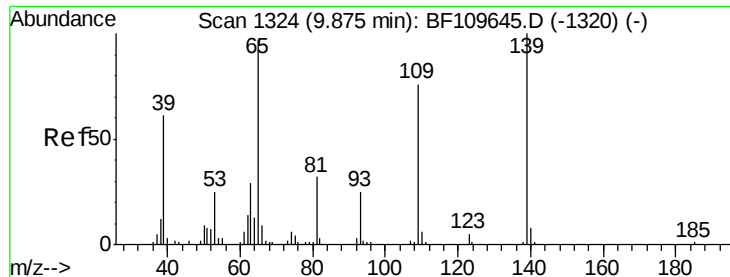
#54
Dibenzofuran
Concen: 34.151 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion:168 Resp: 550096
Ion Ratio Lower Upper
168 100
139 42.9 33.0 49.6
169 14.6 11.3 16.9



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

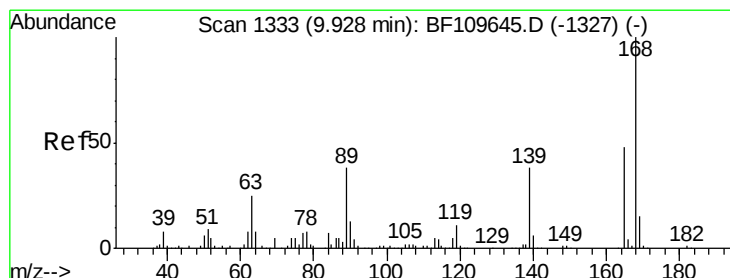
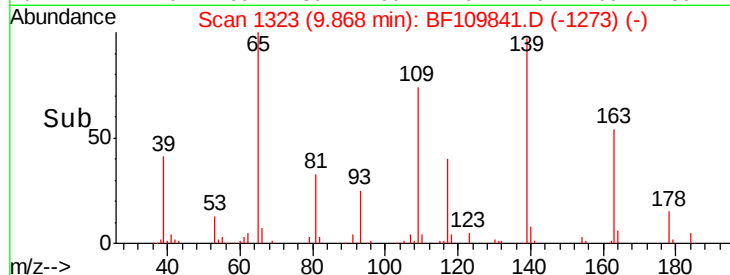
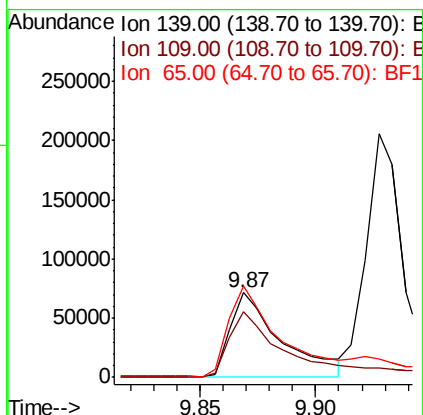
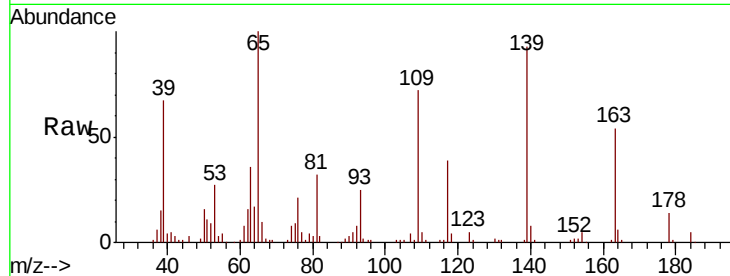




#55
4-Nitrophenol
Concen: 60.889 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

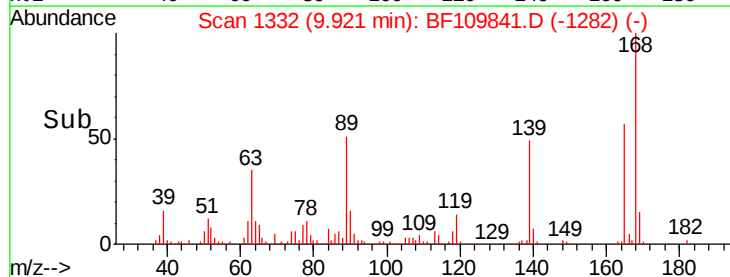
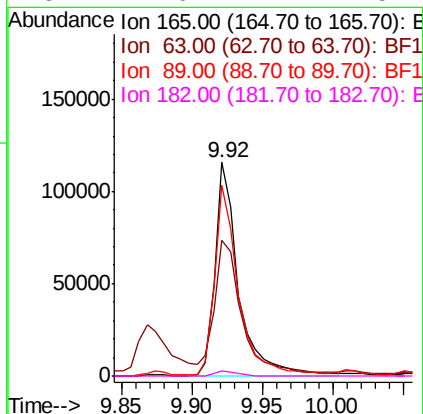
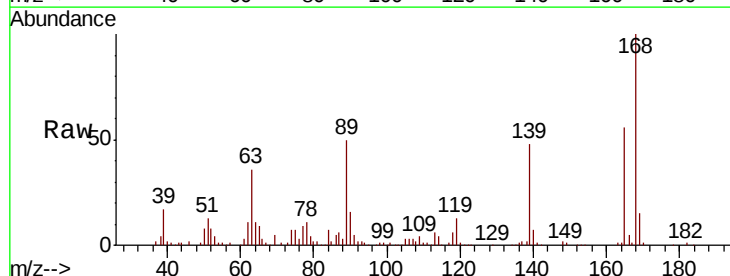
Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

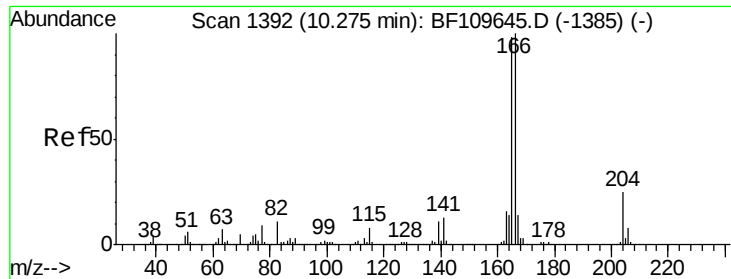
Tgt Ion:139 Resp: 110343
Ion Ratio Lower Upper
139 100
109 77.6 55.8 95.8
65 107.9 77.9 117.9



#56
2,4-Dinitrotoluene
Concen: 36.486 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion:165 Resp: 134481
Ion Ratio Lower Upper
165 100
63 63.4 44.8 67.2
89 89.1 62.2 93.4
182 2.6 2.1 3.1

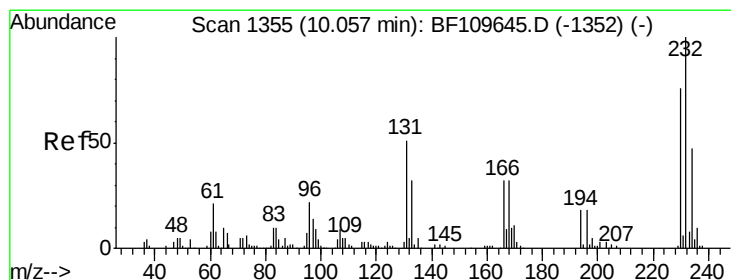
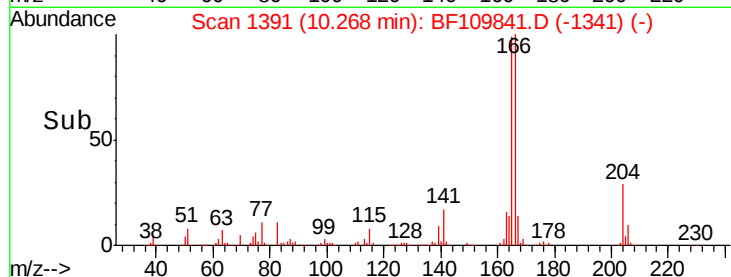
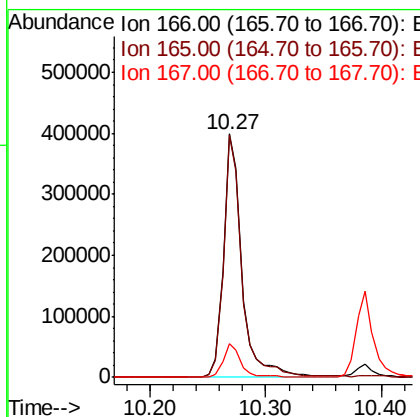
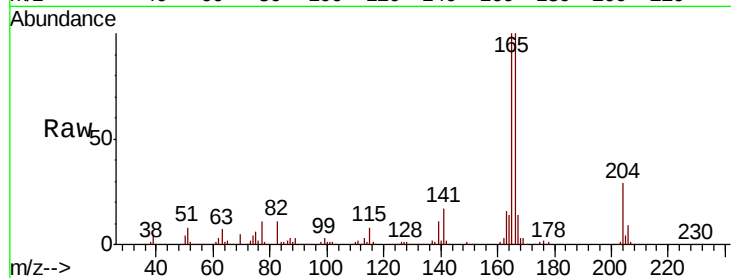




#57
 Fluorene
 Concen: 36.477 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

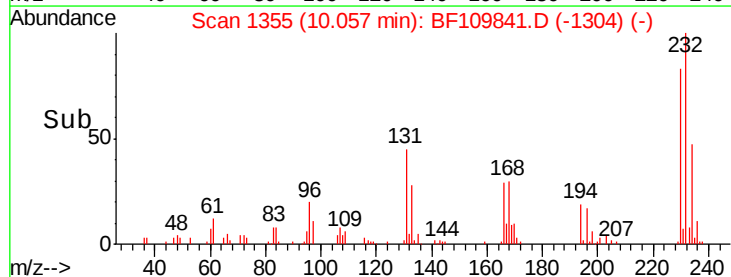
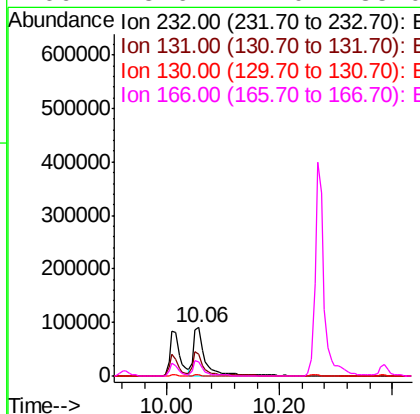
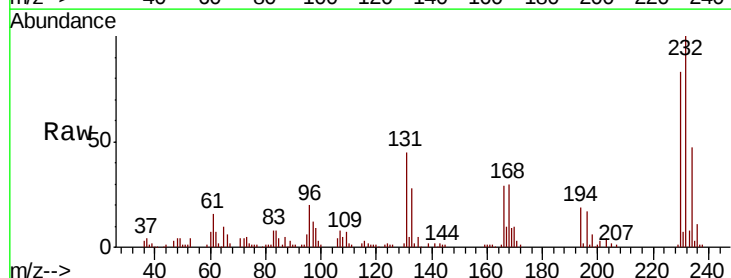
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

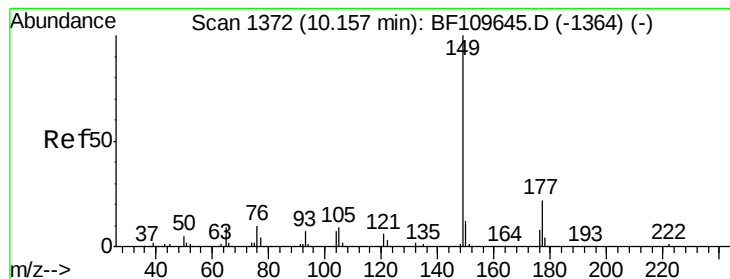
Tgt Ion:166 Resp: 438783
 Ion Ratio Lower Upper
 166 100
 165 99.7 78.6 117.8
 167 13.6 10.8 16.2



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 37.587 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion:232 Resp: 132811
 Ion Ratio Lower Upper
 232 100
 131 44.4 37.0 55.4
 130 2.1 1.8 2.6
 166 25.6 22.0 33.0





#59

Diethylphthalate

Concen: 35.790 ng

RT: 10.15 min Scan# 1371

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

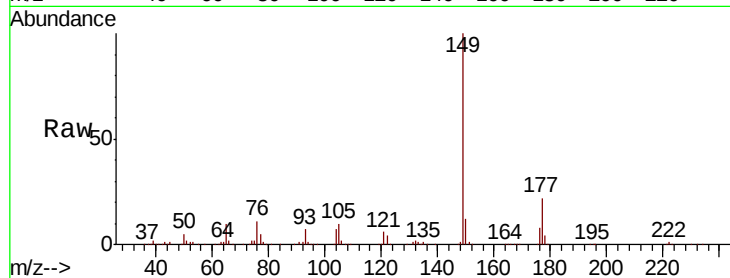
Tgt Ion:149 Resp: 483174

Ion Ratio Lower Upper

149 100

177 21.5 17.4 26.2

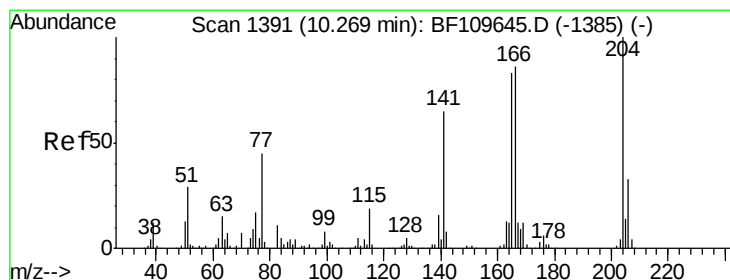
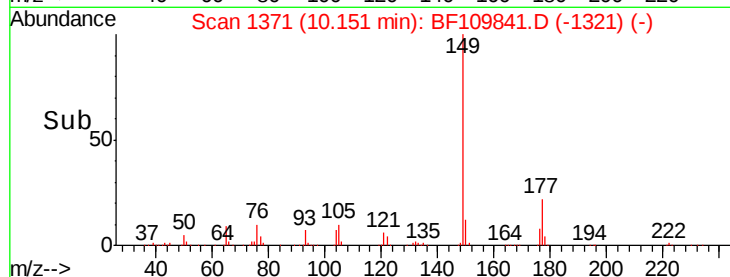
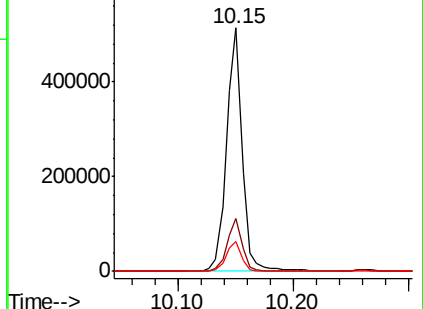
150 12.4 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 33.090 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

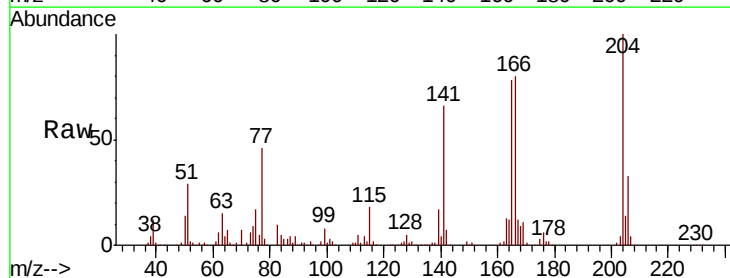
Tgt Ion:204 Resp: 209989

Ion Ratio Lower Upper

204 100

206 32.6 26.5 39.7

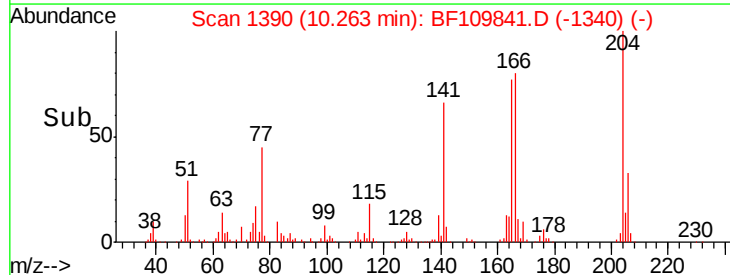
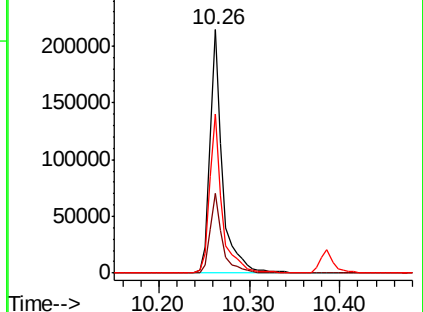
141 65.6 51.8 77.8

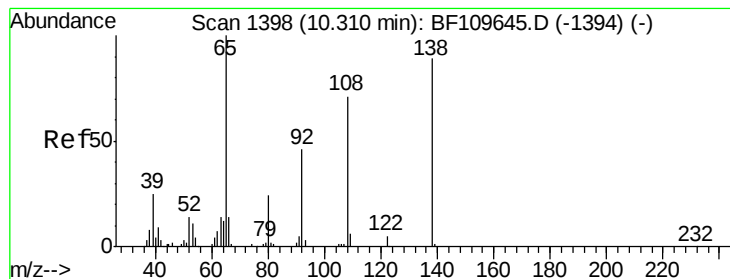


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 34.346 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

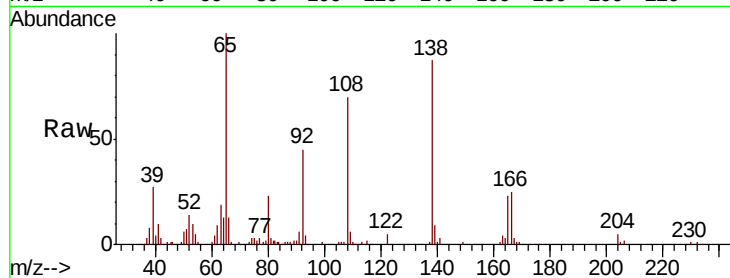
Tgt Ion:138 Resp: 105308

Ion Ratio Lower Upper

138 100

92 51.6 31.7 71.7

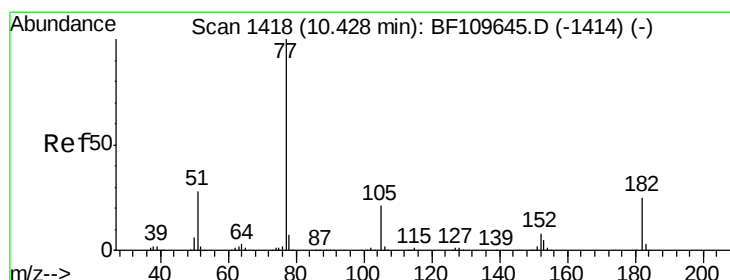
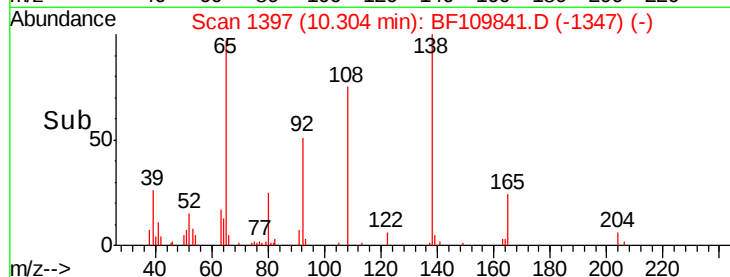
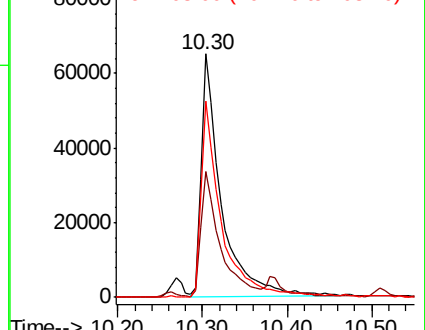
108 80.8 59.3 99.3



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



#62

Azobenzene

Concen: 35.066 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Tgt Ion: 77 Resp: 480725

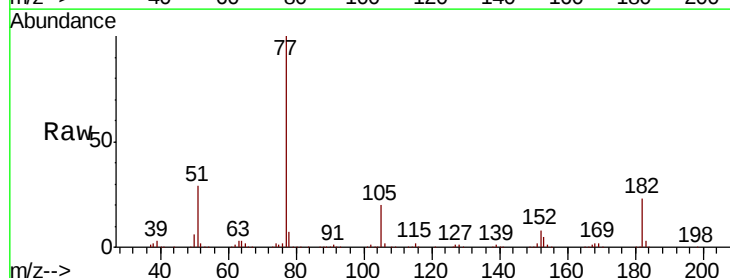
Ion Ratio Lower Upper

77 100

182 23.2 4.3 44.3

105 20.4 1.3 41.3

51 29.4 9.0 49.0

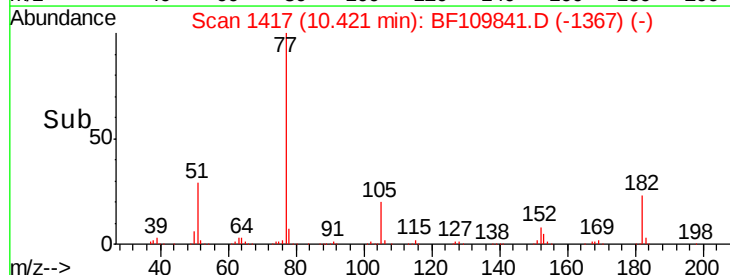
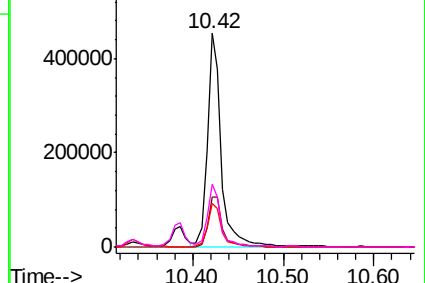


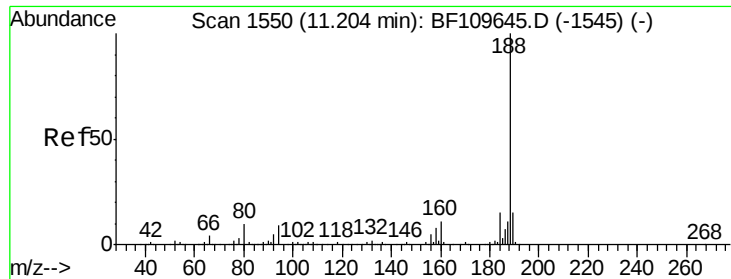
Abundance Ion 77.00 (76.70 to 77.70): BF1

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

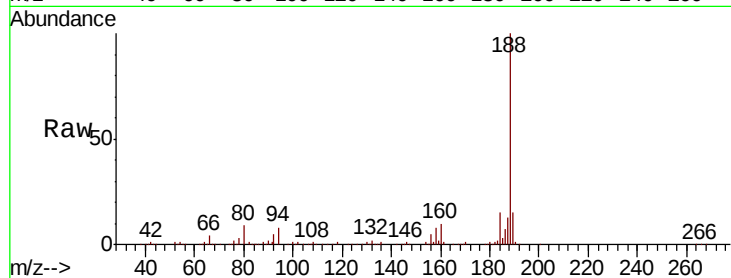




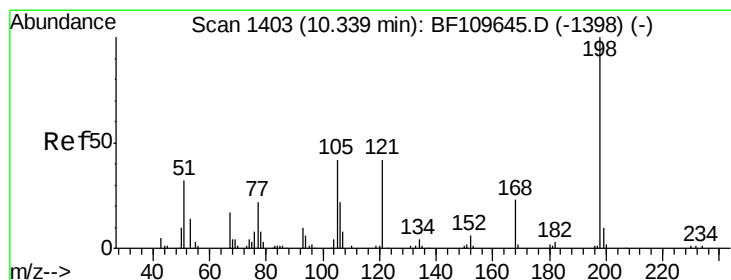
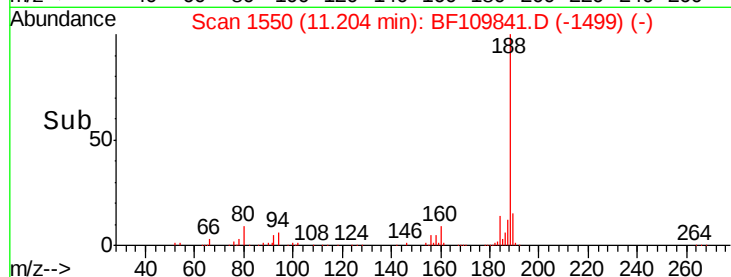
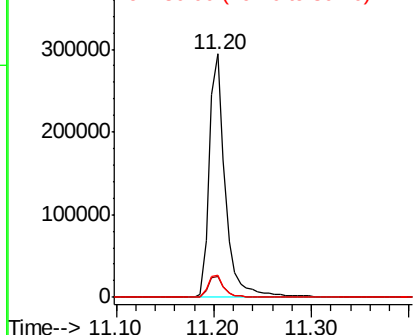
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

Tgt Ion:188 Resp: 334324
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 9.1 7.9 11.9

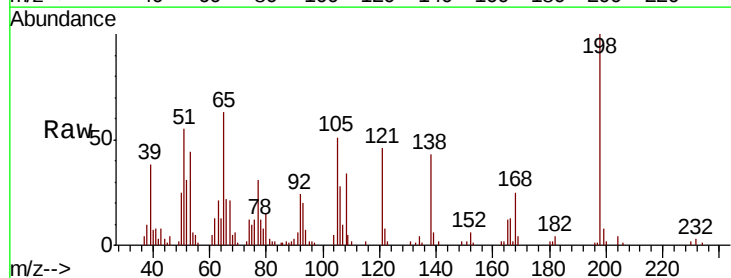


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

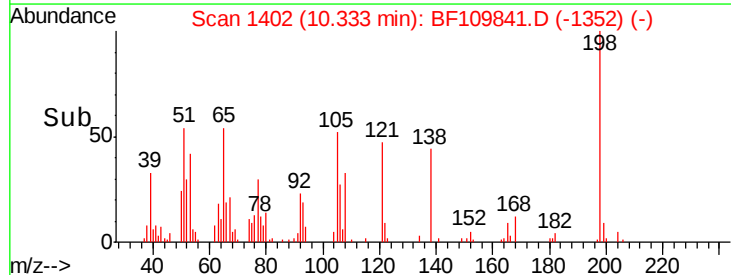
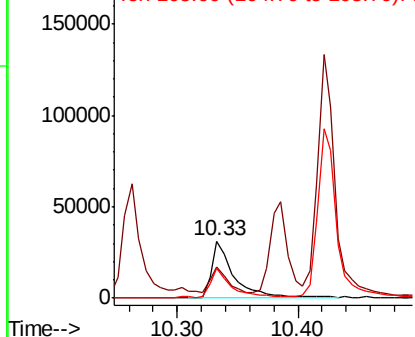


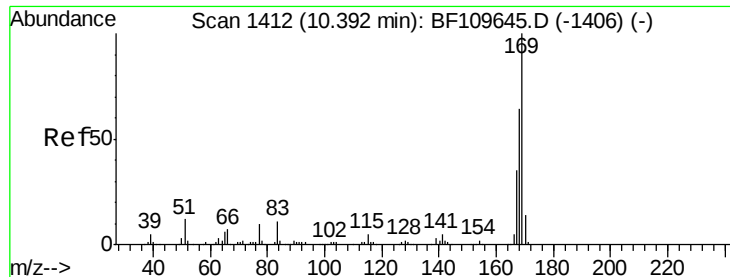
#64
4,6-Dinitro-2-methylphenol
Concen: 24.738 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion:198 Resp: 40254
Ion Ratio Lower Upper
198 100
51 55.0 22.8 62.8
105 51.3 23.6 63.6



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 36.129 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

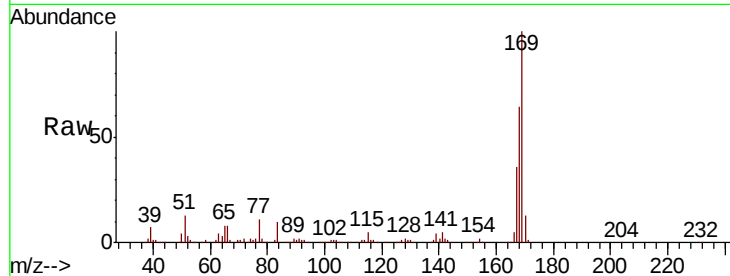
Tgt Ion:169 Resp: 409471

Ion Ratio Lower Upper

169 100

168 64.2 51.2 76.8

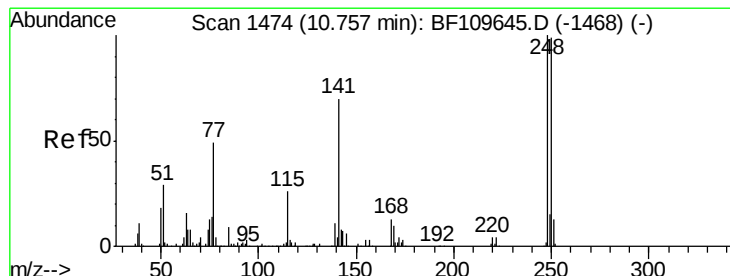
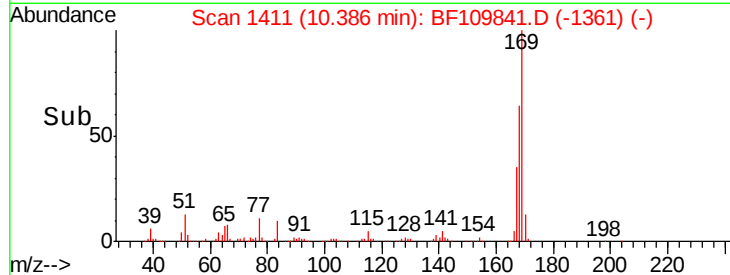
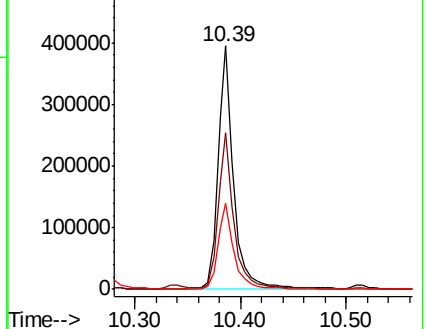
167 35.5 27.8 41.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 34.291 ng

RT: 10.75 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

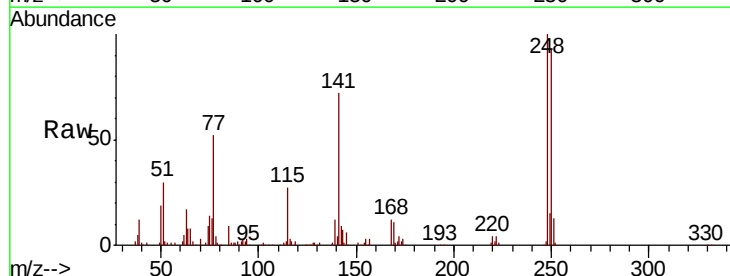
Tgt Ion:248 Resp: 131726

Ion Ratio Lower Upper

248 100

250 92.9 79.4 119.2

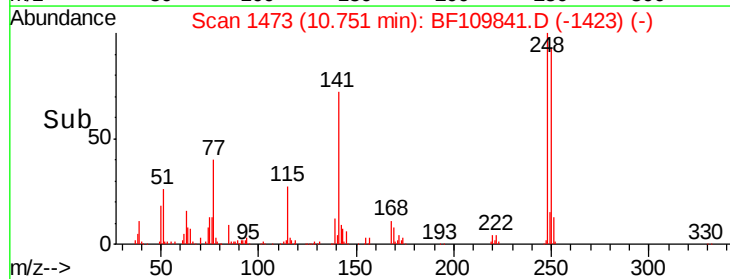
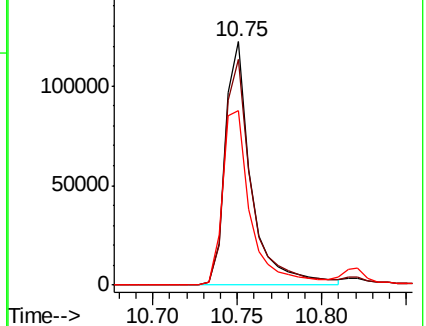
141 71.8 55.9 83.9

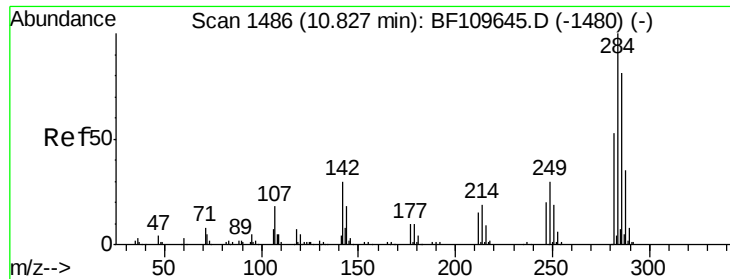


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

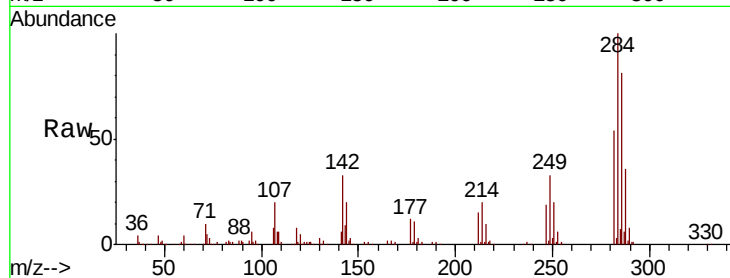




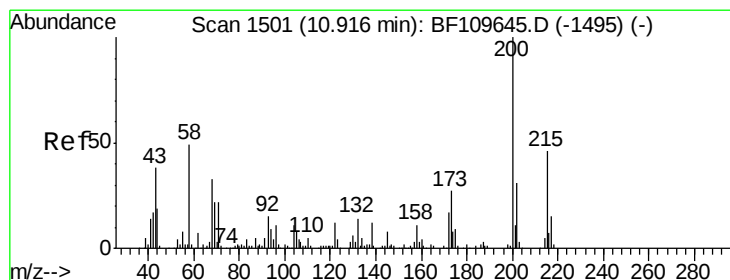
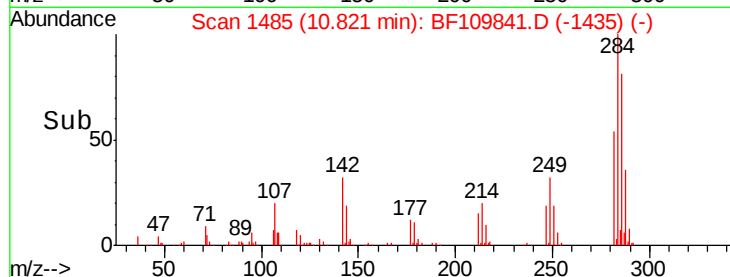
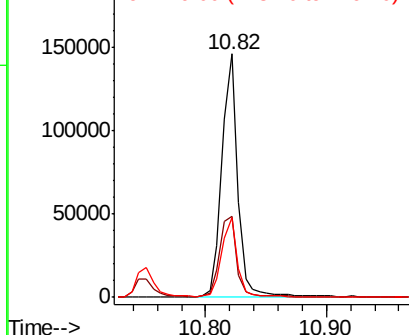
#67
Hexachlorobenzene
Concen: 32.320 ng
RT: 10.82 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

Tgt Ion:284 Resp: 134441
Ion Ratio Lower Upper
284 100
142 33.2 23.9 35.9
249 32.9 24.2 36.2

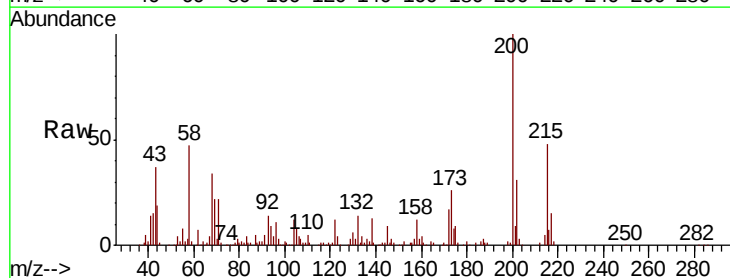


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

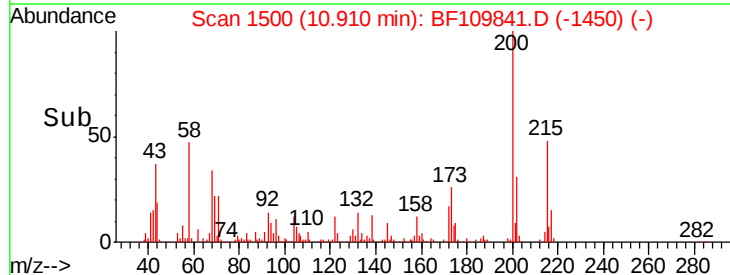
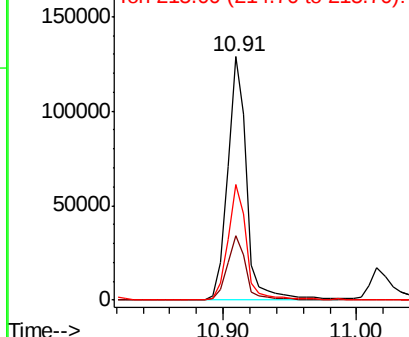


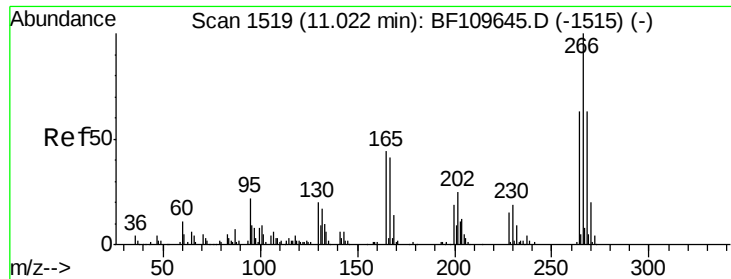
#68
Atrazine
Concen: 36.620 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion:200 Resp: 129525
Ion Ratio Lower Upper
200 100
173 26.4 6.6 46.6
215 47.7 26.3 66.3



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

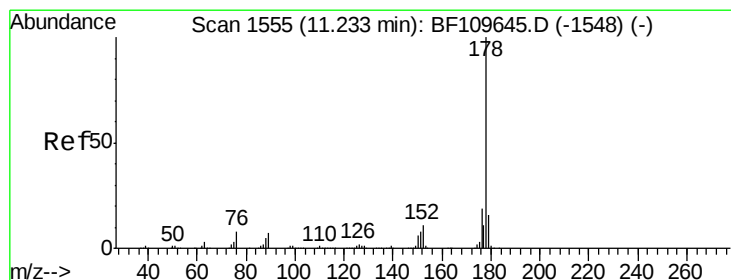
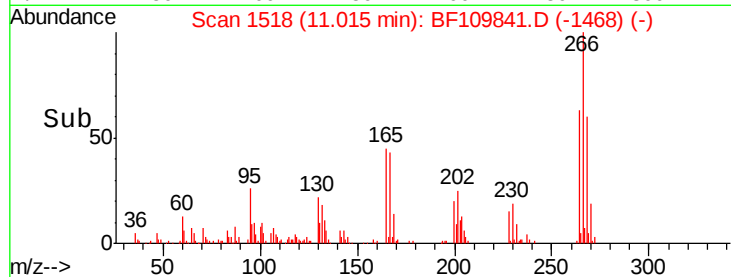
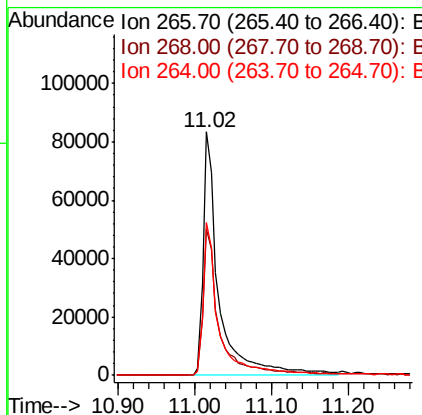
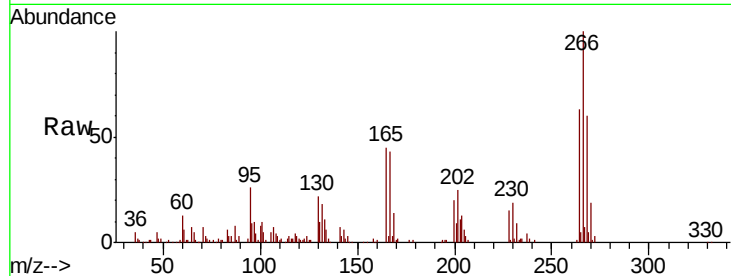




#69
 Pentachlorophenol
 Concen: 51.199 ng
 RT: 11.02 min Scan# 1518
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

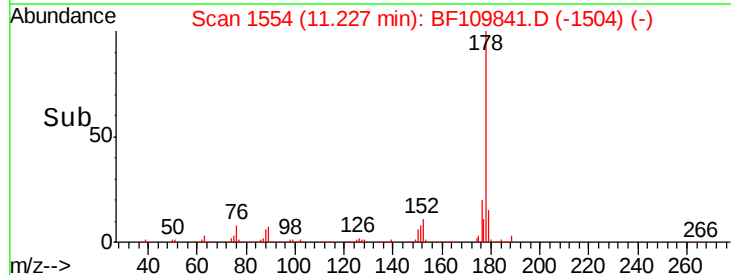
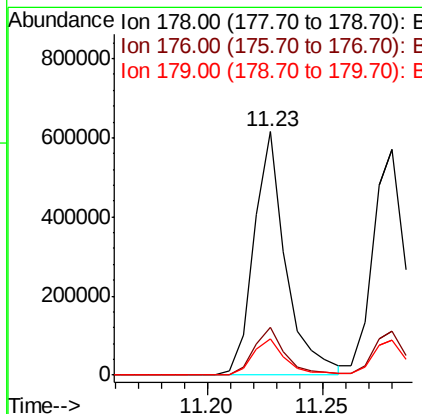
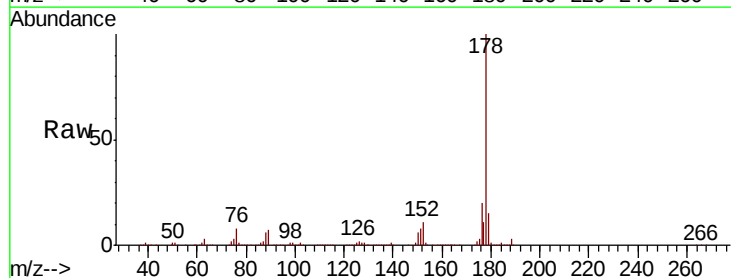
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

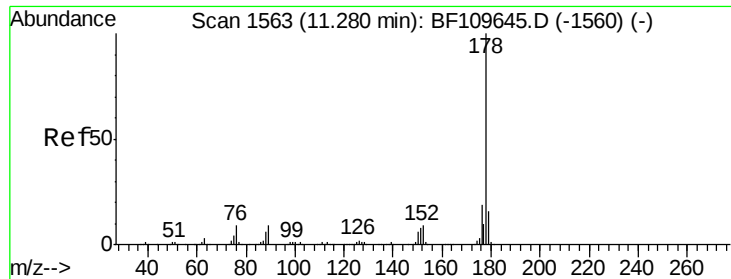
Tgt Ion: 266 Resp: 119841
 Ion Ratio Lower Upper
 266 100
 268 60.2 50.6 75.8
 264 62.9 50.6 75.8



#70
 Phenanthrene
 Concen: 35.501 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion: 178 Resp: 593963
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.5 23.3
 179 15.1 12.5 18.7

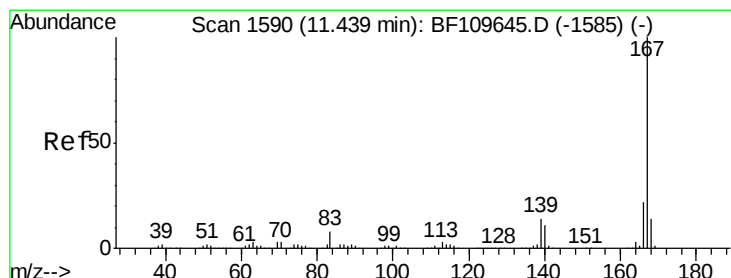
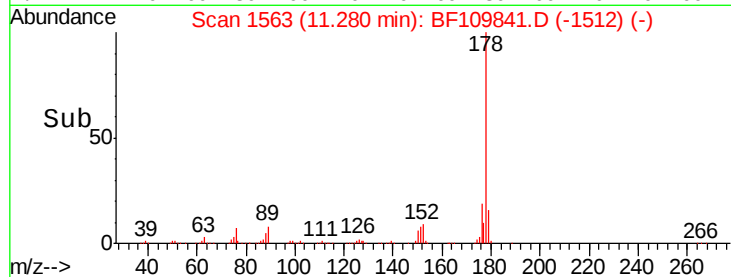
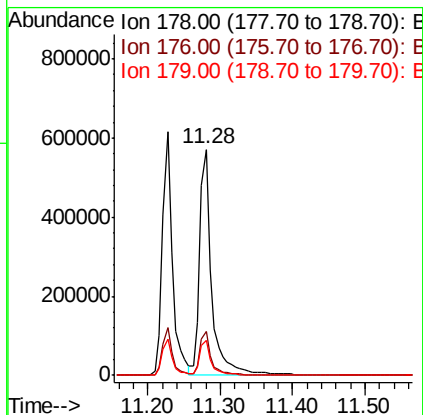
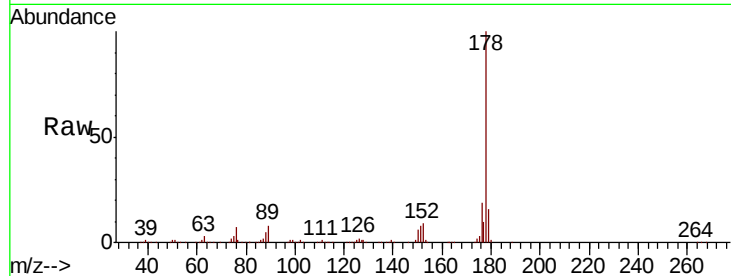




#71
 Anthracene
 Concen: 38.496 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

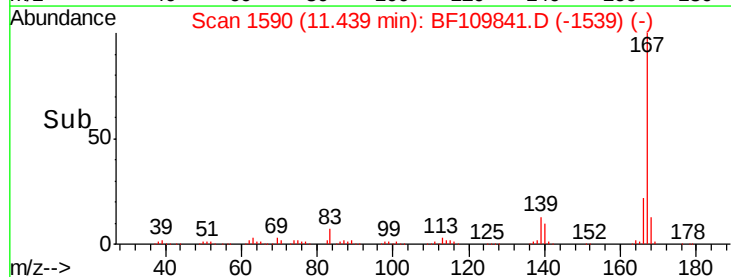
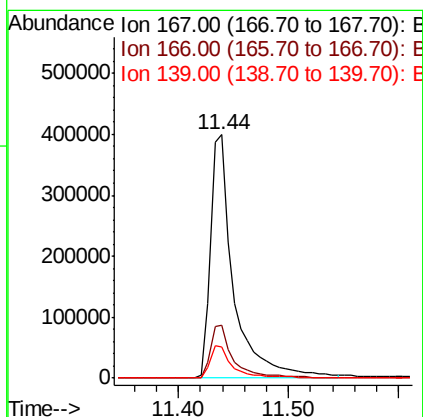
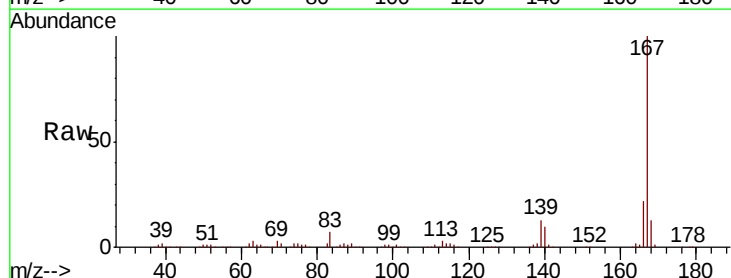
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

Tgt Ion:178 Resp: 665786
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 15.7 12.6 18.8



#72
 Carbazole
 Concen: 34.207 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion:167 Resp: 573801
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.0
 139 13.0 10.9 16.3





#73

Di-n-butylphthalate

Concen: 35.519 ng

RT: 11.76 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

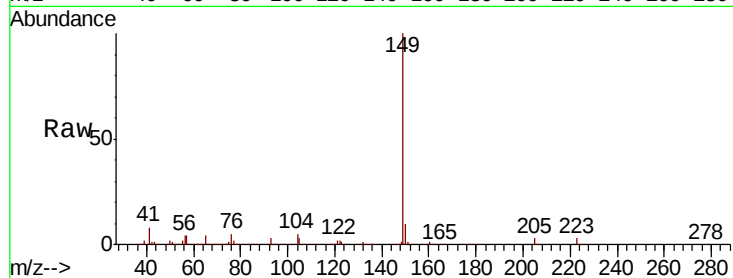
Tgt Ion:149 Resp: 691038

Ion Ratio Lower Upper

149 100

150 9.6 7.7 11.5

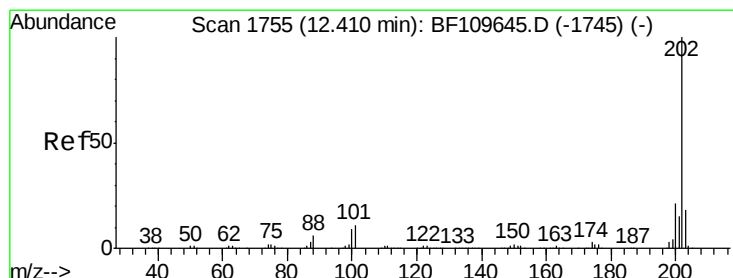
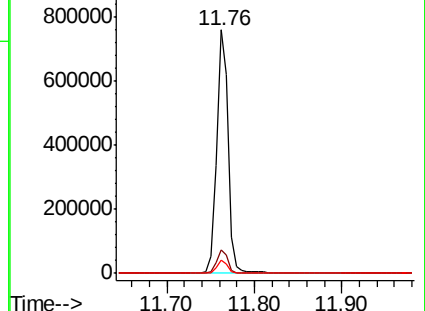
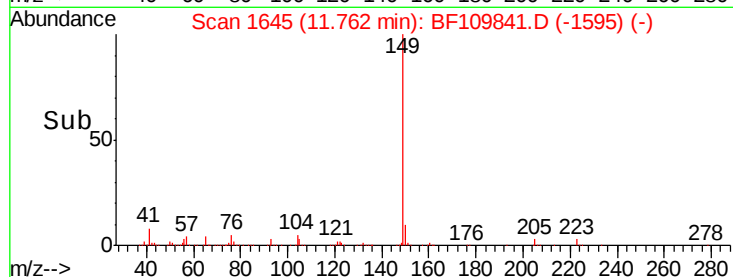
104 5.3 4.2 6.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 34.000 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

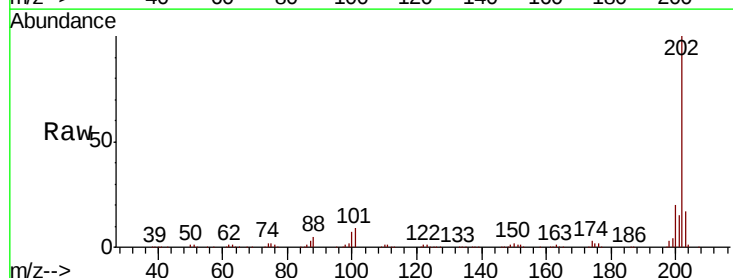
Tgt Ion:202 Resp: 594263

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.4

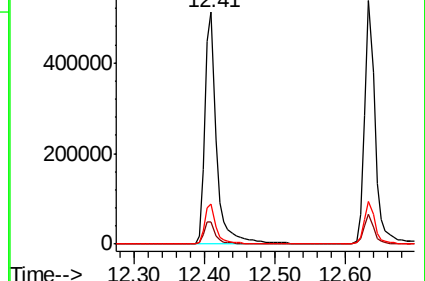
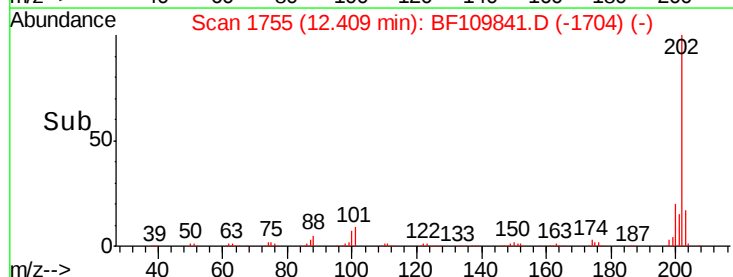
203 17.5 0.0 37.7

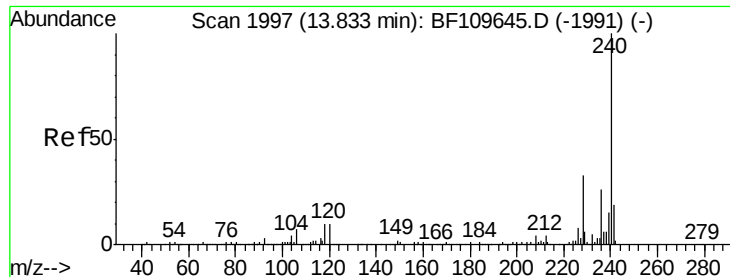


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

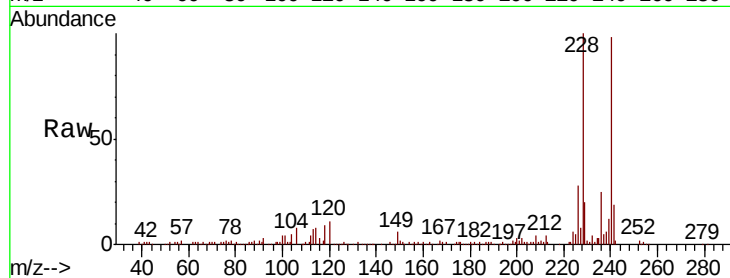
Tgt Ion:240 Resp: 195839

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

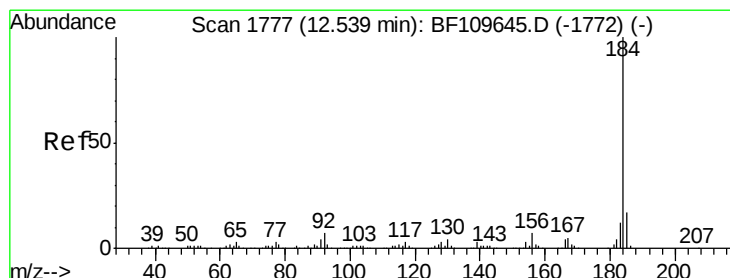
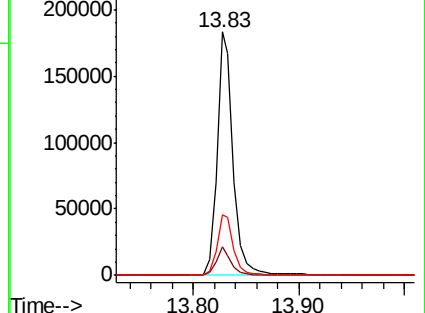
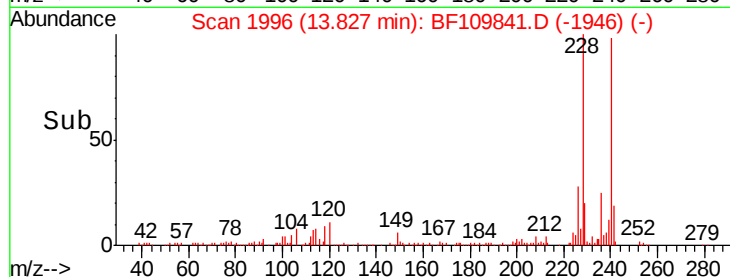
236 24.9 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 33.428 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

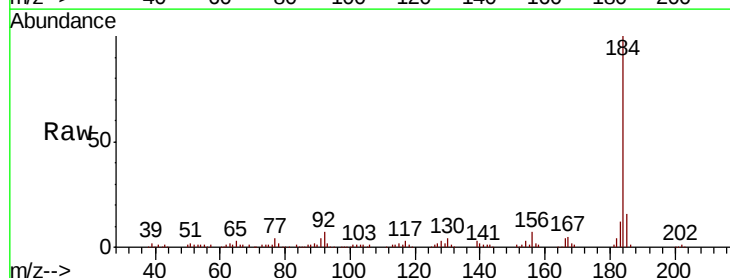
Tgt Ion:184 Resp: 243191

Ion Ratio Lower Upper

184 100

185 15.6 13.4 20.2

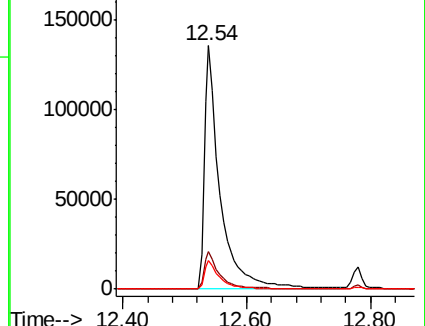
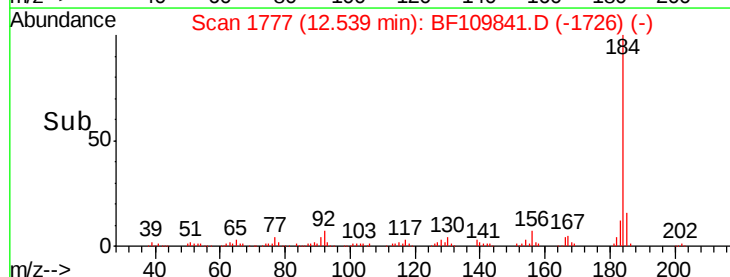
183 11.6 9.4 14.2

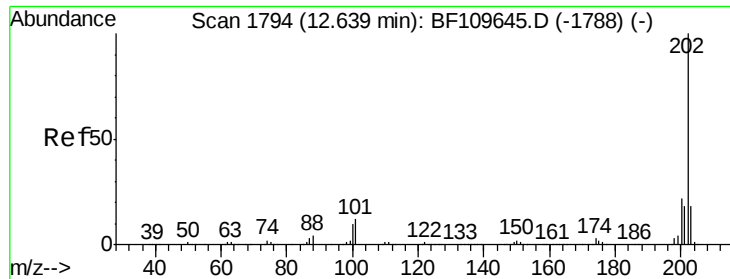


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

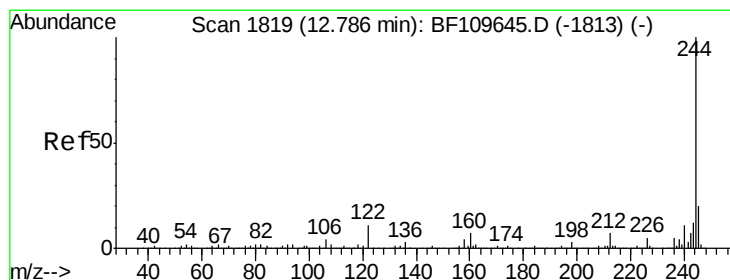
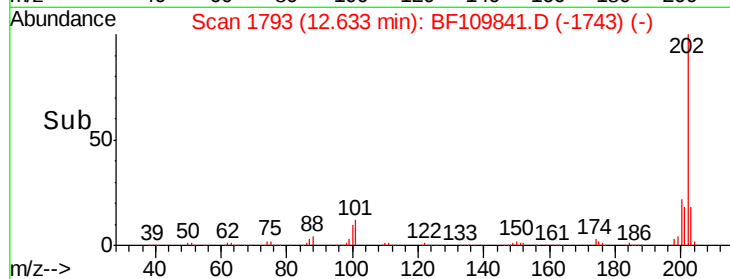
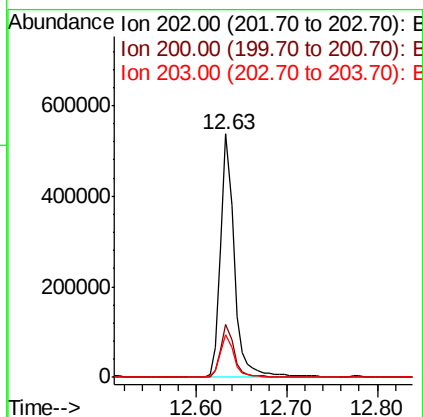
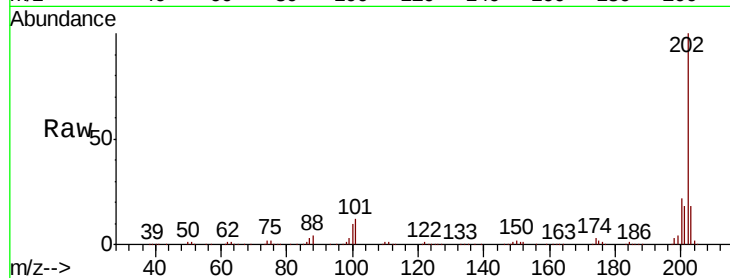




#77
 Pyrene
 Concen: 38.815 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

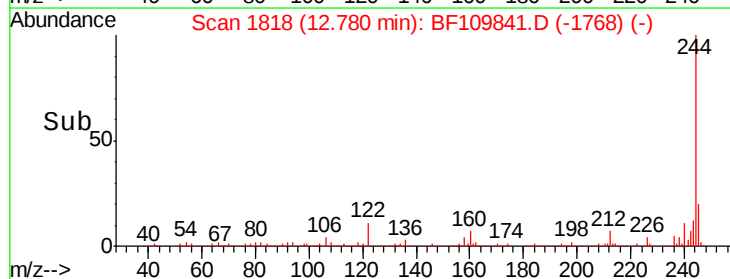
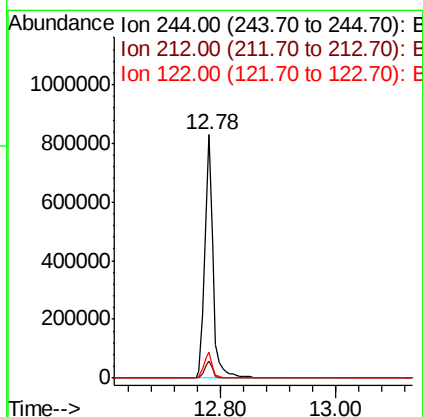
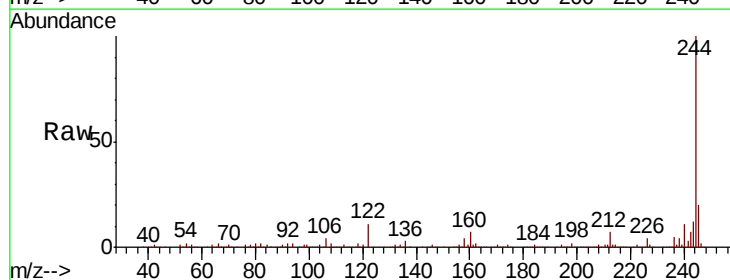
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

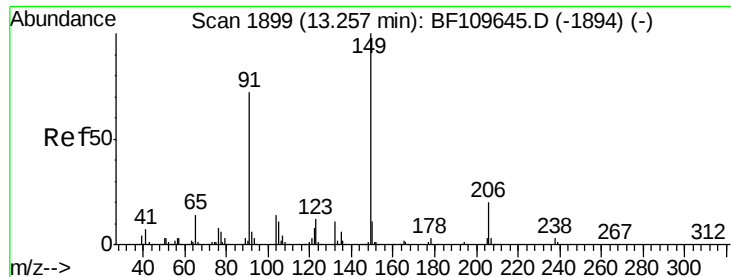
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.6
203	17.7	14.2	21.4



#78
 Terphenyl-d14
 Concen: 84.618 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.8	8.7	13.1

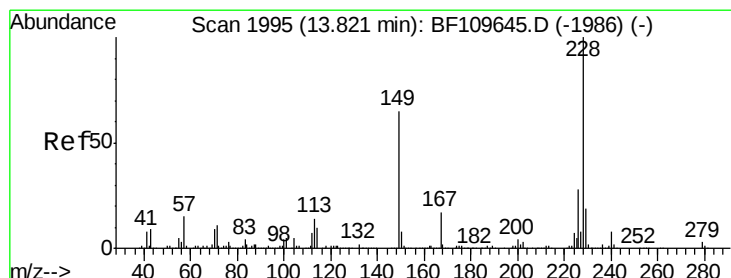
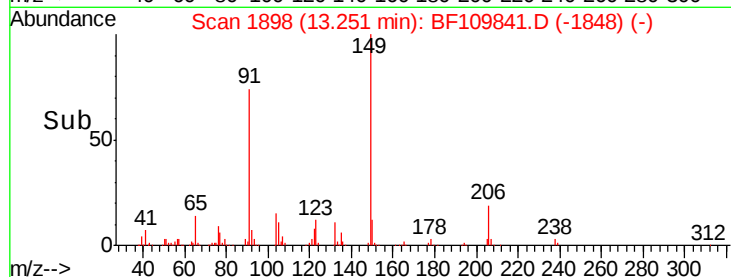
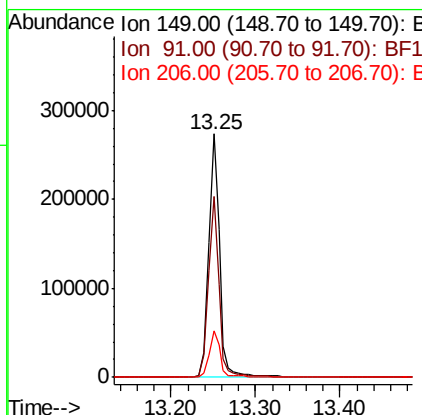
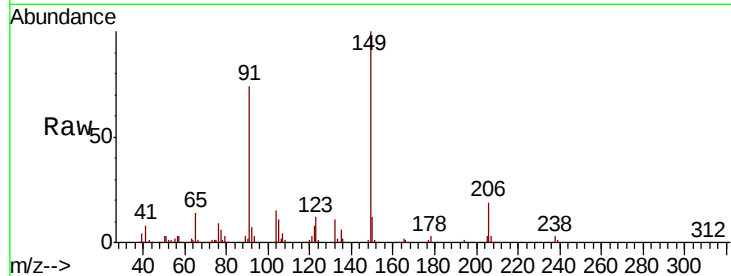




#79
Butylbenzylphthalate
Concen: 39.875 ng
RT: 13.25 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

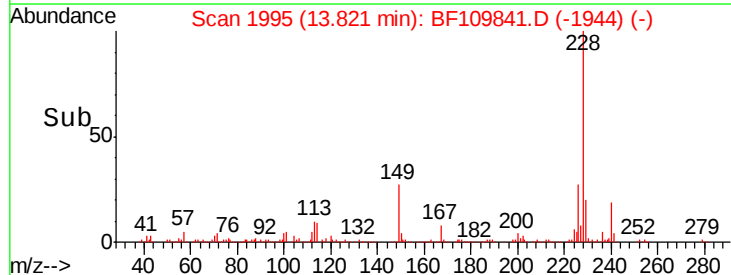
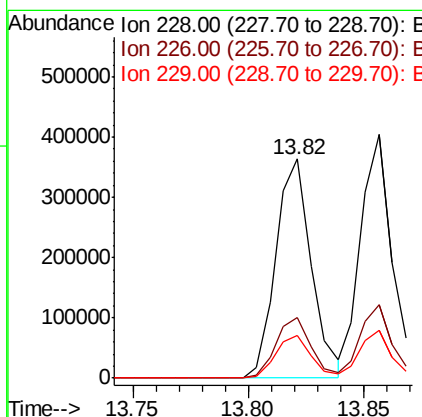
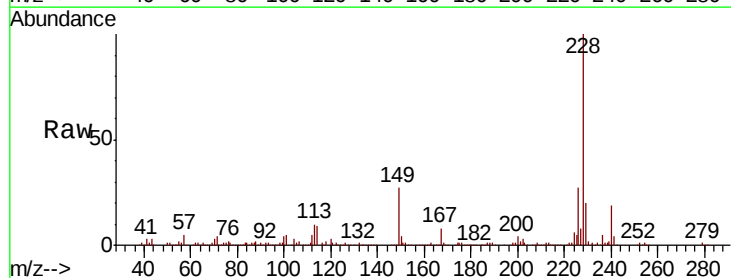
Instrument :
BNA_F
ClientSampleId :
HD-01-101118MS

Tgt Ion:149 Resp: 248053
Ion Ratio Lower Upper
149 100
91 74.4 57.2 85.8
206 19.2 15.7 23.5



#80
Benzo(a)anthracene
Concen: 35.857 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF109841.D
Acq: 12 Oct 2018 18:39

Tgt Ion:228 Resp: 387517
Ion Ratio Lower Upper
228 100
226 27.5 22.1 33.1
229 19.8 15.6 23.4

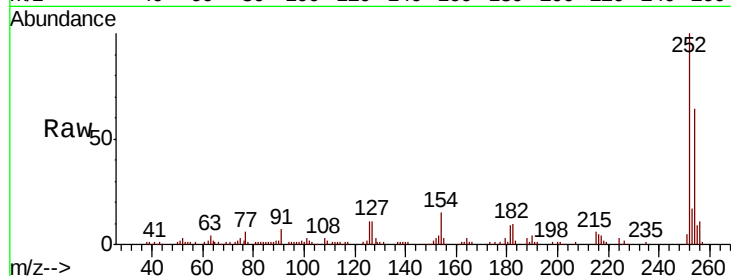




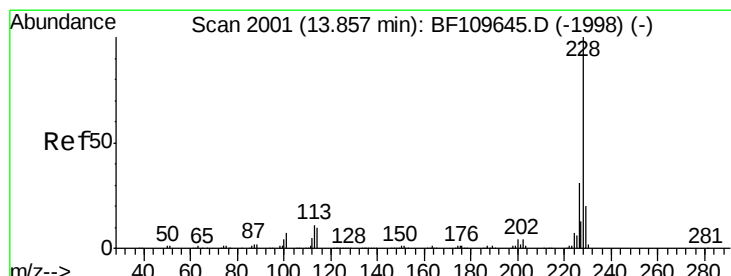
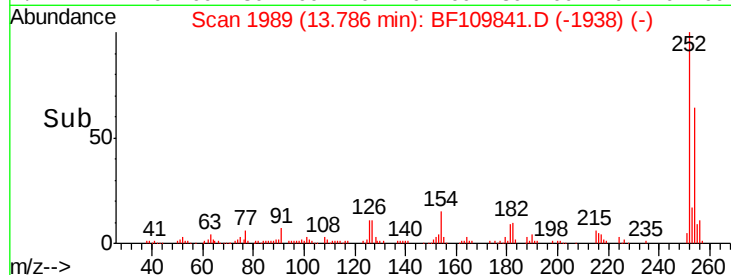
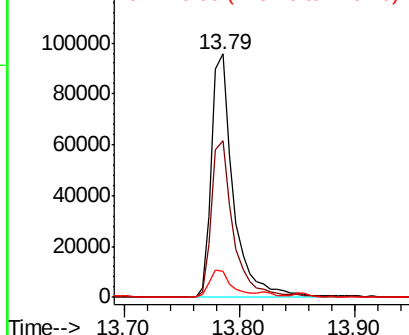
#81
 3,3'-Dichlorobenzidine
 Concen: 29.186 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.3	76.9
126	10.7	9.4	14.2

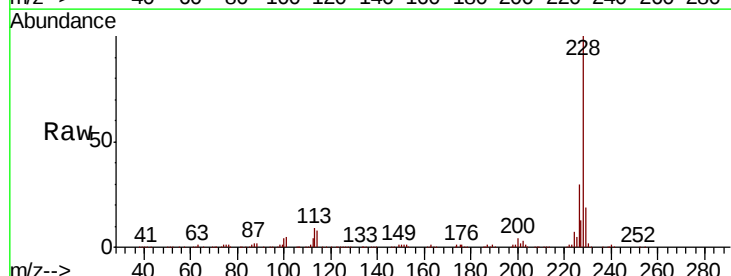


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

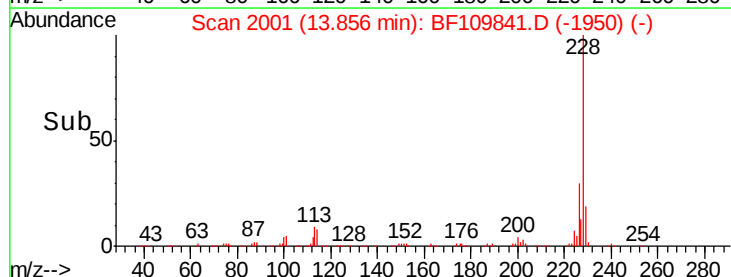
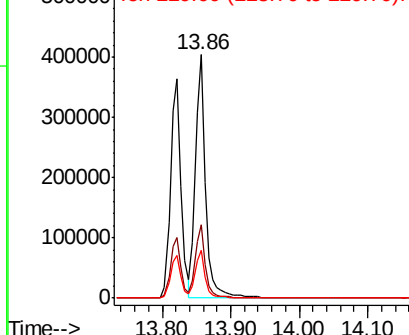


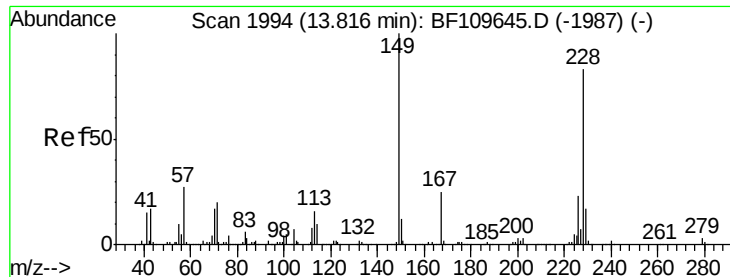
#82
 Chrysene
 Concen: 36.567 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.7	37.1
229	19.5	15.9	23.9



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

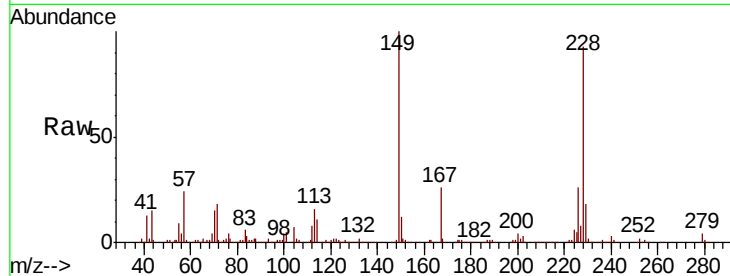




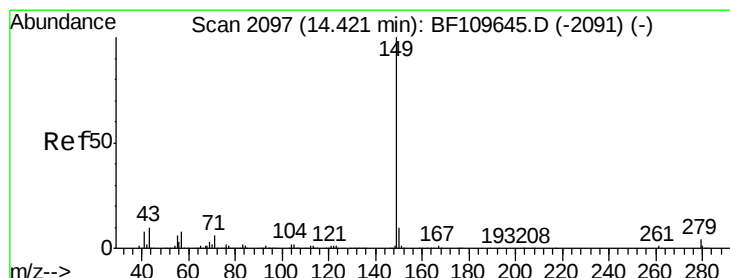
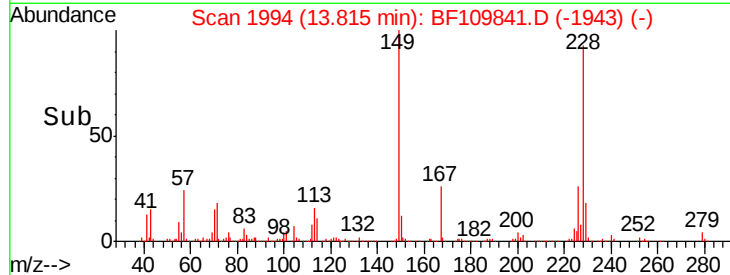
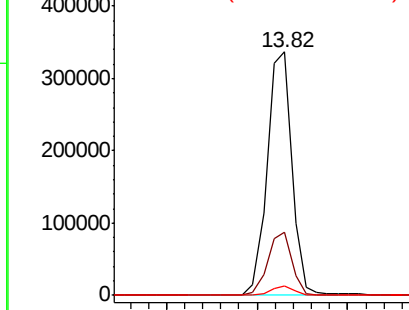
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 42.252 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.00 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-101118MS

Tgt Ion:149 Resp: 320677
 Ion Ratio Lower Upper
 149 100
 167 26.1 19.8 29.8
 279 4.1 2.7 4.1

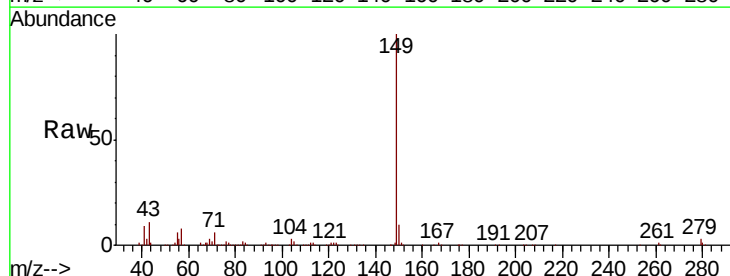


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

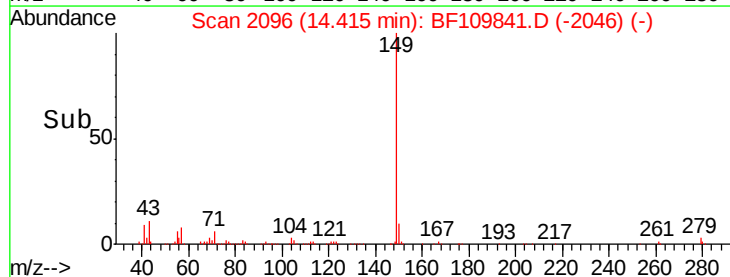
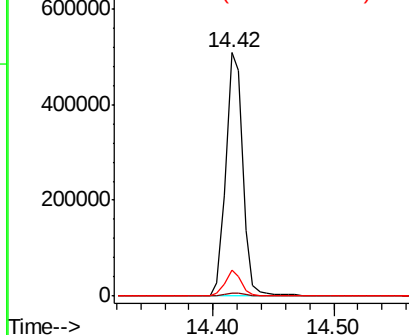


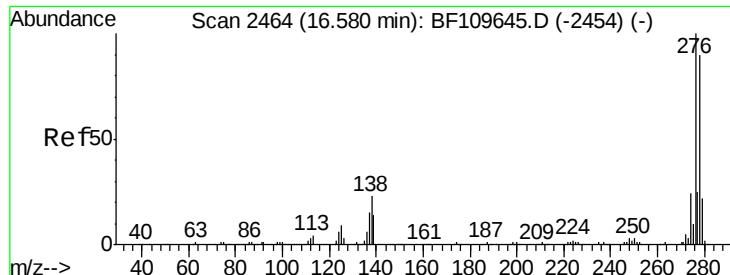
#84
 Di-n-octyl phthalate
 Concen: 41.467 ng
 RT: 14.42 min Scan# 2096
 Delta R.T. -0.01 min
 Lab File: BF109841.D
 Acq: 12 Oct 2018 18:39

Tgt Ion:149 Resp: 497464
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.1 1.7
 43 9.7 7.8 11.8



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





#85

Indeno(1,2,3-cd)pyrene

Concen: 48.721 ng

RT: 16.58 min Scan# 2464

Delta R.T. -0.00 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

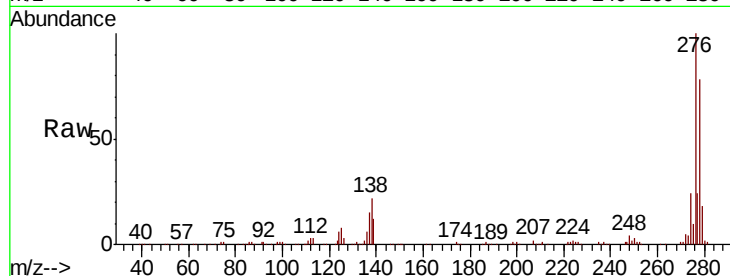
Tgt Ion:276 Resp: 395864

Ion Ratio Lower Upper

276 100

138 22.8 18.5 27.7

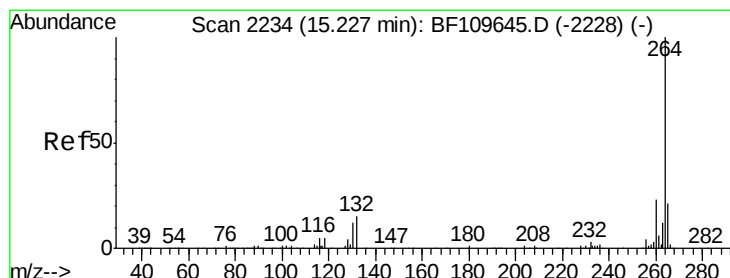
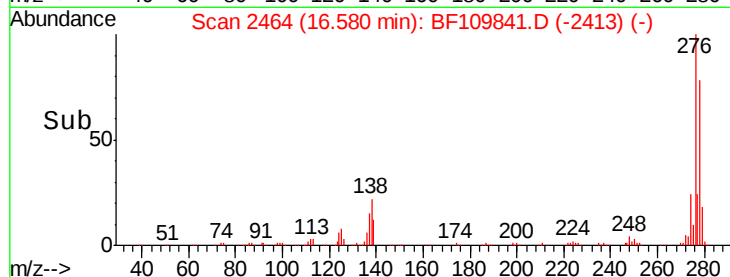
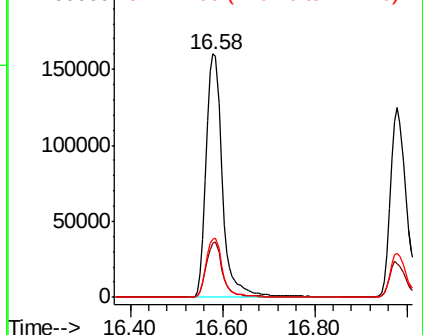
277 24.4 20.0 30.0



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.00 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

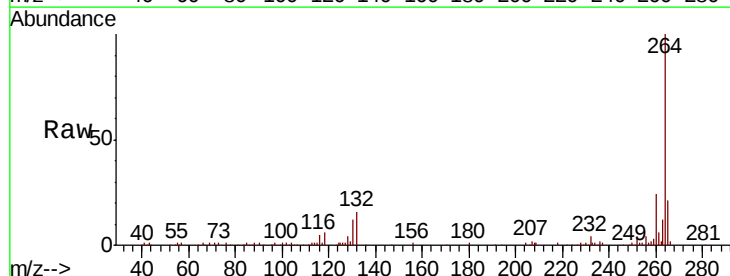
Tgt Ion:264 Resp: 190551

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

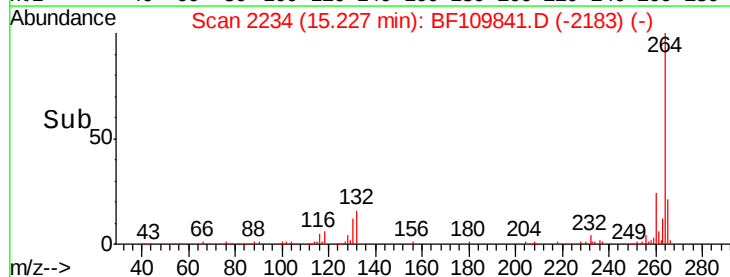
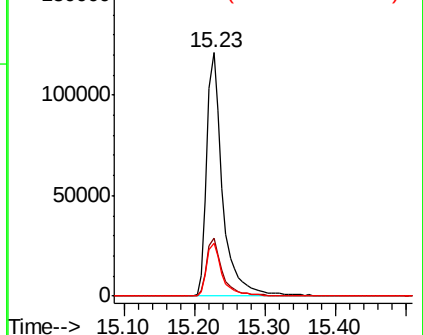
265 21.5 16.7 25.1

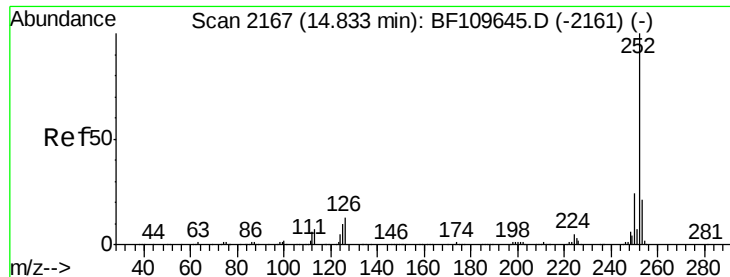


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 30.873 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

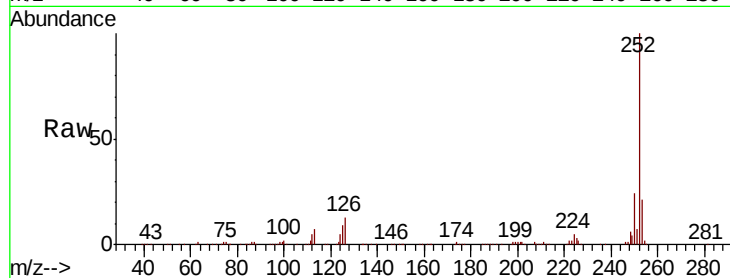
Tgt Ion:252 Resp: 325095

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

125 9.3 8.2 12.4

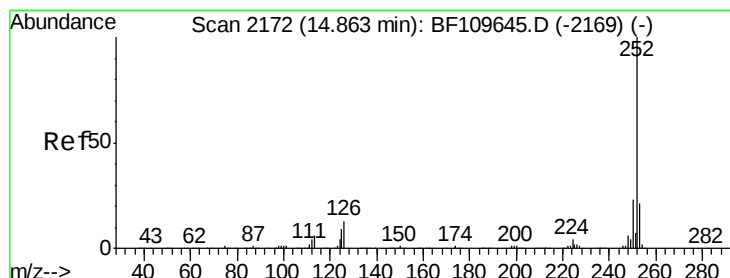
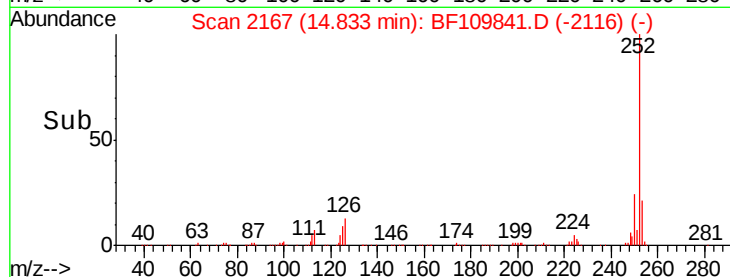
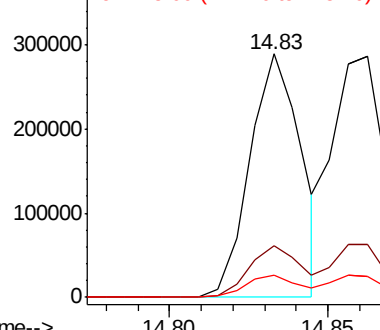


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 37.071 ng

RT: 14.86 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

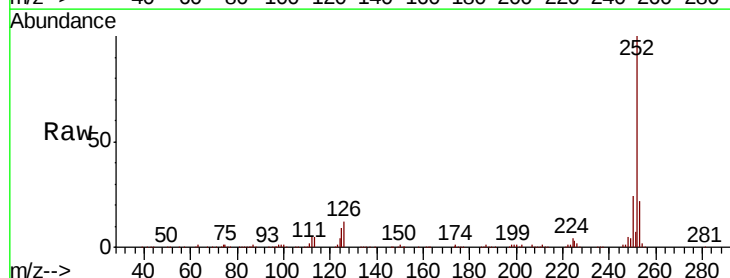
Tgt Ion:252 Resp: 392217

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 8.8 7.4 11.0

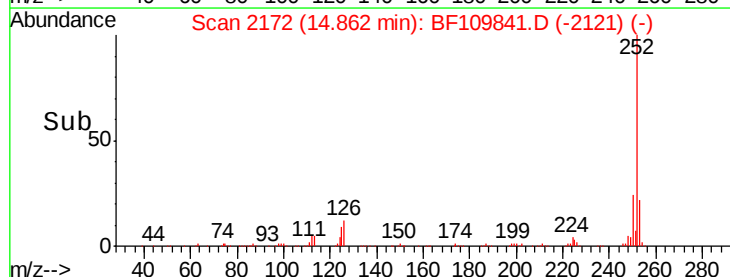
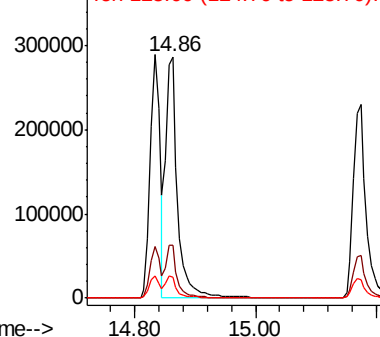


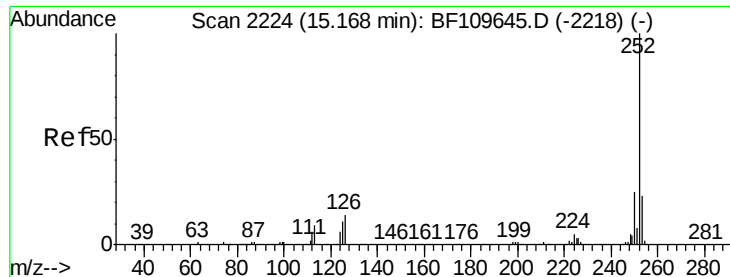
Abundance

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(a)pyrene

Concen: 36.355 ng

RT: 15.17 min Scan# 2225

Delta R.T. 0.01 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

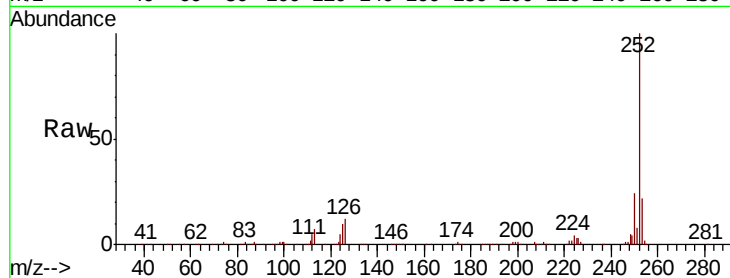
Tgt Ion:252 Resp: 347405

Ion Ratio Lower Upper

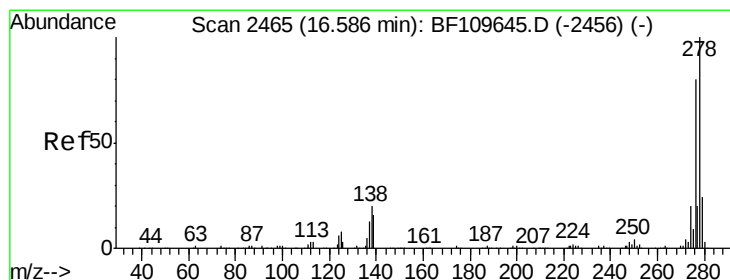
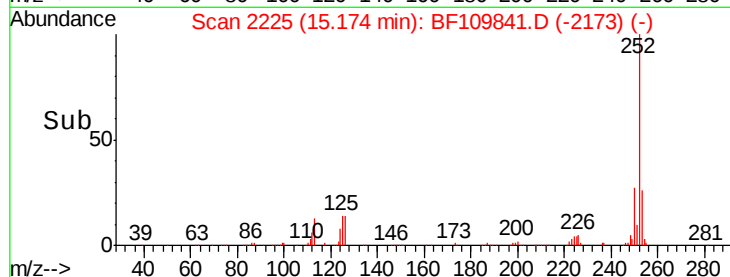
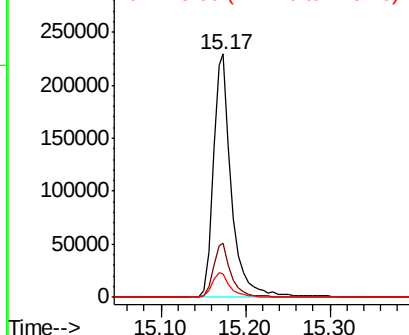
252 100

253 22.1 18.2 27.4

125 9.7 9.0 13.6



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



#90

Dibenzo(a,h)anthracene

Concen: 42.001 ng

RT: 16.59 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

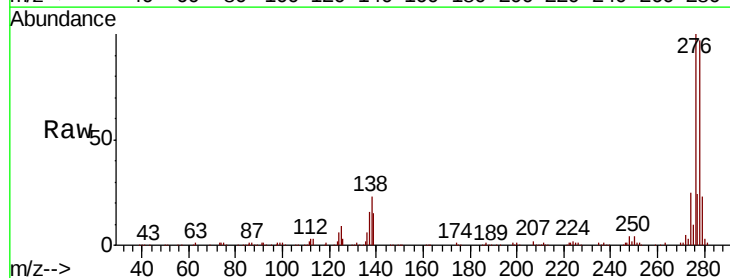
Tgt Ion:278 Resp: 329627

Ion Ratio Lower Upper

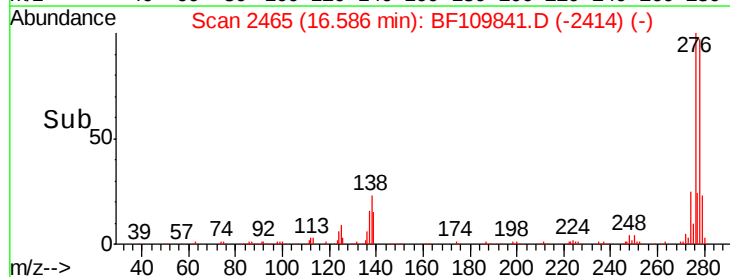
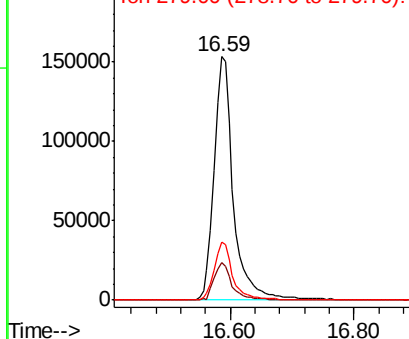
278 100

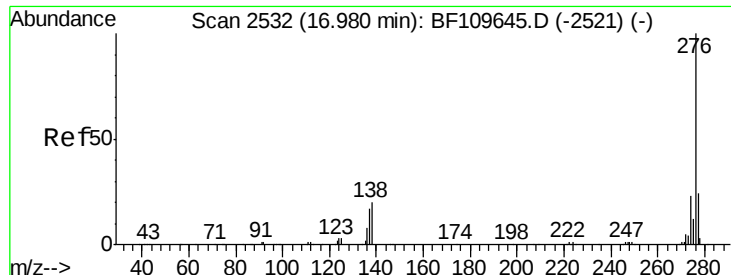
139 15.3 12.7 19.1

279 23.6 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 41.175 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.00 min

Lab File: BF109841.D

Acq: 12 Oct 2018 18:39

Instrument :

BNA_F

ClientSampleId :

HD-01-101118MS

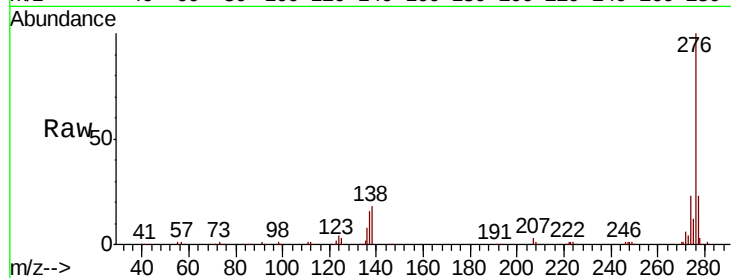
Tgt Ion: 276 Resp: 322684

Ion Ratio Lower Upper

276 100

277 23.0 18.8 28.2

138 18.1 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

