

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105185.D
 Acq On : 9 May 2018 10:24
 Operator : JU/SJ
 Sample : J2754-12
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 11:45:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 08 16:33:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	221826	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	877835	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	435083	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	861637	20.00	ng	0.00
75) Chrysene-d12	14.02	240	715764	20.00	ng	0.00
86) Perylene-d12	15.59	264	599020	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1522133	113.04	ng	0.02
7) Phenol-d6	6.42	99	1648970	102.85	ng	0.00
23) Nitrobenzene-d5	7.36	82	1311160	101.23	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	681316	141.94	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2384822	85.08	ng	0.00
78) Terphenyl-d14	12.92	244	2641636	85.73	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.51	88	112	0.016	ng	# 41
4) n-Nitrosodimethylamine	3.18	42	188	0.019	ng	# 1
6) Aniline	6.56	93	2077	0.089	ng	# 1
8) 2-Chlorophenol	6.57	128	550	0.039	ng	# 1
9) Benzaldehyde	6.42	77	2776	0.226	ng	# 1
10) Phenol	6.43	94	413	0.023	ng	# 1
11) bis(2-Chloroethyl)ether	6.56	93	2077	0.141	ng	# 1
12) 1,3-Dichlorobenzene	6.95	146	862	0.050	ng	# 1
13) 1,4-Dichlorobenzene	6.95	146	862	0.050	ng	# 1
14) 1,2-Dichlorobenzene	6.95	146	862	0.054	ng	# 1
15) Benzyl Alcohol	6.95	79	21307	1.736	ng	# 44
16) 2,2'-oxybis(1-Chloropropan	7.02	45	1380	0.050	ng	# 70
18) Hexachloroethane	7.32	117	1274	0.230	ng	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	180040	16.961	ng	# 84
22) Acetophenone	7.19	105	3769	0.184	ng	# 87
24) Nitrobenzene	7.35	77	4630	0.315	ng	# 34
25) Isophorone	7.36	82	1311119	45.263	ng	# 64
28) bis(2-Chloroethoxy)methane	8.07	93	124	0.007	ng	# 3
30) 1,2,4-Trichlorobenzene	8.01	180	4053	0.292	ng	# 87
31) Naphthalene	8.09	128	251554	5.951	ng	# 100
32) Benzoic acid	8.09	122	482	9.204	ng	# 1
33) 4-Chloroaniline	8.09	127	33309	1.895	ng	# 36
35) Caprolactam	8.78	113	1490	0.407	ng	# 1
37) 2-Methylnaphthalene	8.78	142	55870	1.896	ng	# 99
45) 1,1'-Biphenyl	9.25	154	14322	0.404	ng	# 97
46) 2-Chloronaphthalene	9.32	162	166	0.006	ng	# 37
47) 2-Nitroaniline	9.15	65	4201	6.283	ng	# 1
48) Acenaphthylene	9.68	152	8805	0.215	ng	# 93
50) 2,6-Dinitrotoluene	9.82	165	57167	8.945	ng	# 25
51) Acenaphthene	9.86	154	4753	0.180	ng	# 85
52) 3-Nitroaniline	9.93	138	135	0.020	ng	# 2
54) Dibenzofuran	10.03	168	4863	0.126	ng	# 89
55) 4-Nitrophenol	10.03	139	1907	4.598	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	57167	9.830	ng	# 23

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

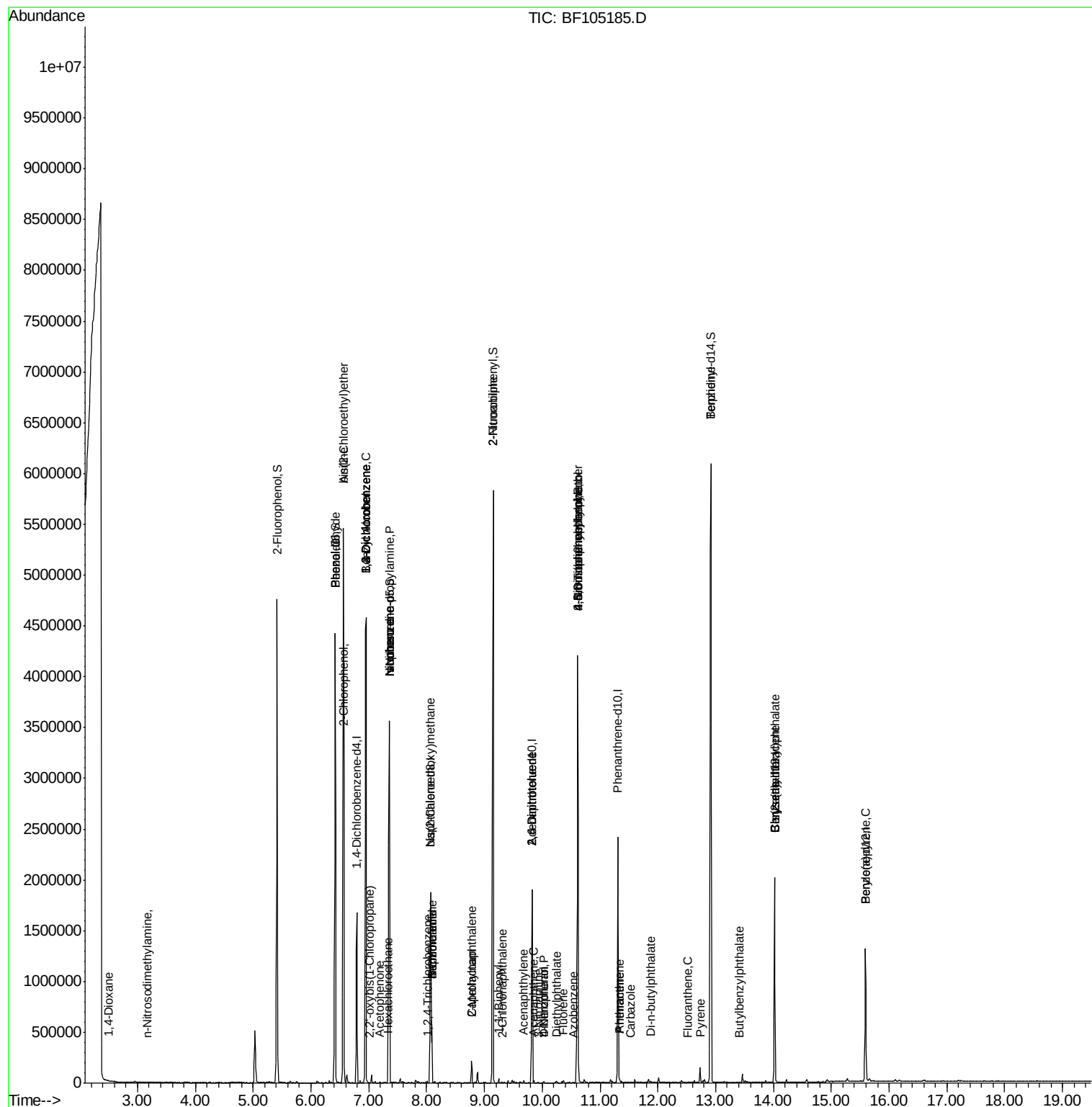
57) Fluorene	10.37	166	8441	0.298	nq	98
59) Diethylphthalate	10.25	149	5160	0.178	nq	# 90
62) Azobenzene	10.54	77	269	0.009	nq	# 27
64) 4,6-Dinitro-2-methylphenol	10.61	198	1561	9.273	nq	# 1
65) n-Nitrosodiphenylamine	10.62	169	17505	0.652	nq	# 48
66) 4-Bromophenyl-phenylether	10.62	248	38983	4.242	nq	# 1
70) Phenanthrene	11.33	178	17248	0.380	nq	95
71) Anthracene	11.33	178	17248	0.374	nq	95
72) Carbazole	11.53	167	231	0.006	nq	# 59
73) Di-n-butylphthalate	11.87	149	5393	0.121	nq	# 92
74) Fluoranthene	12.52	202	1563	0.033	nq	77
76) Benzidine	12.92	184	33262	1.244	nq	# 97
77) Pyrene	12.75	202	1684	0.032	nq	# 83
79) Butylbenzylphthalate	13.40	149	160	6.907	nq	# 23
80) Benzo(a)anthracene	14.02	228	1703	0.039	nq	# 77
82) Chrysene	14.02	228	1703	0.038	nq	# 75
83) Bis(2-ethylhexyl)phthalate	14.02	149	392	0.018	nq	# 1
89) Benzo(a)pyrene	15.59	252	1767	0.053	nq	# 77

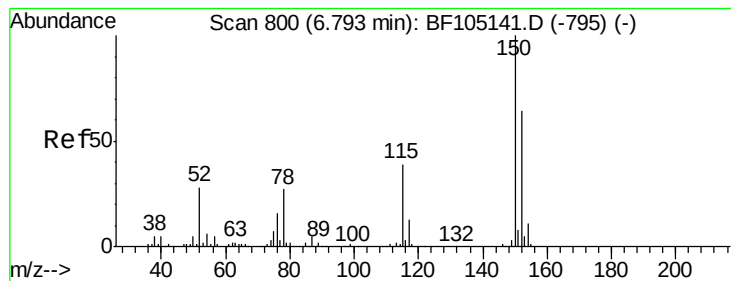
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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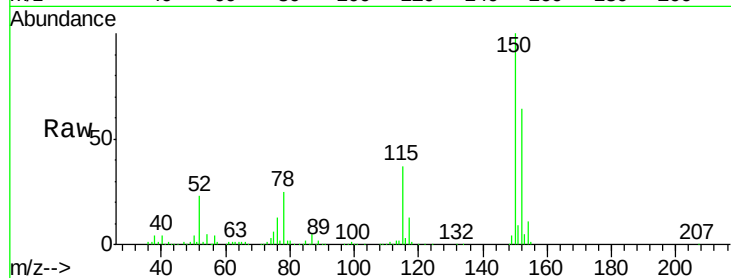


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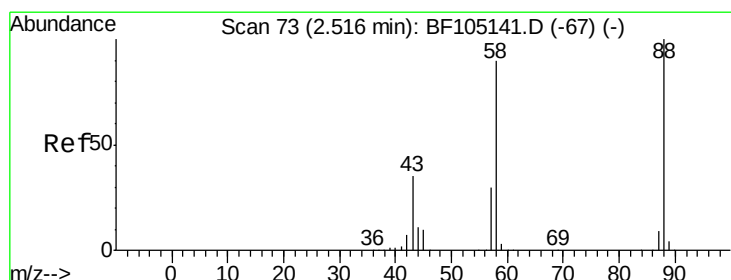
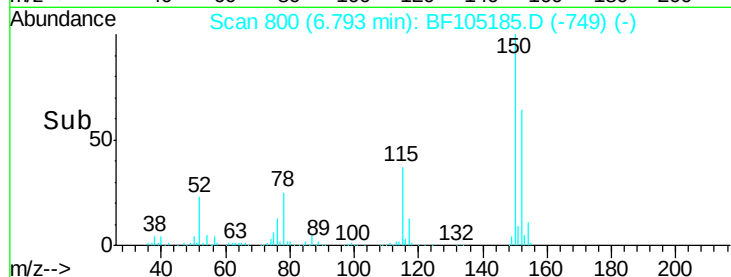
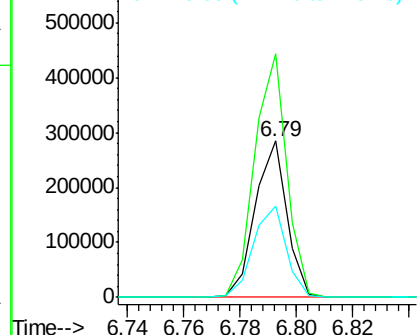
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 221826
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 58.4 50.1 75.1



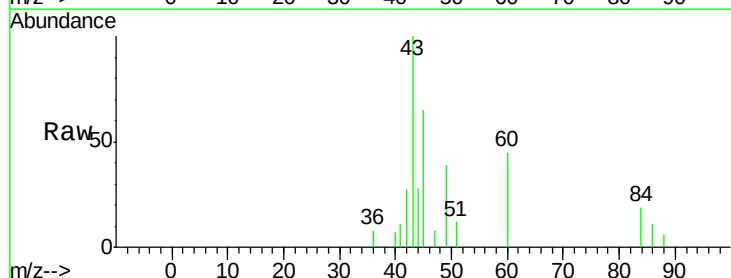
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



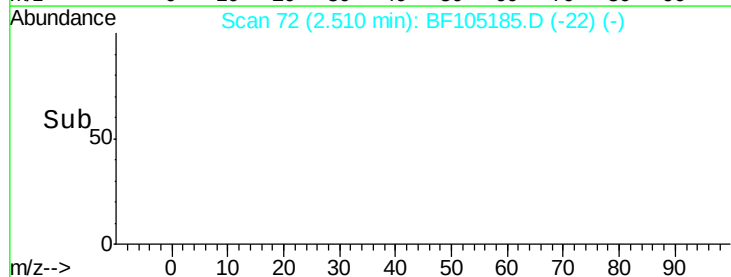
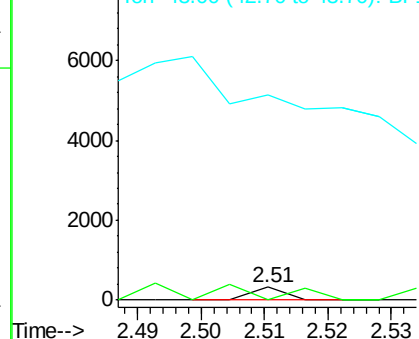
#2

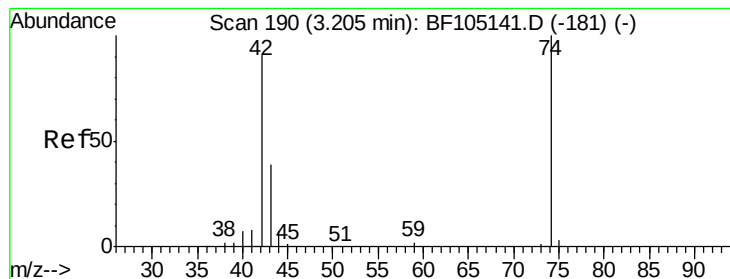
1,4-Dioxane
Concen: 0.016 ng
RT: 2.51 min Scan# 72
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
58 130.4 62.6 93.8#
43 0.0 24.6 37.0#



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



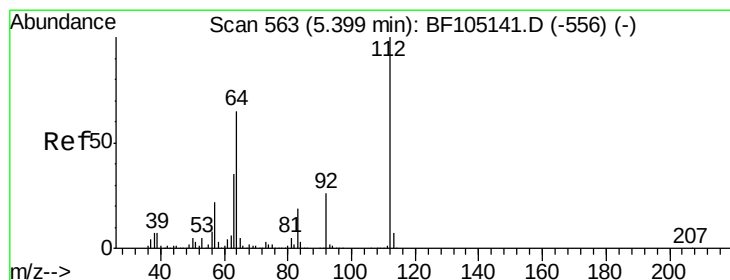
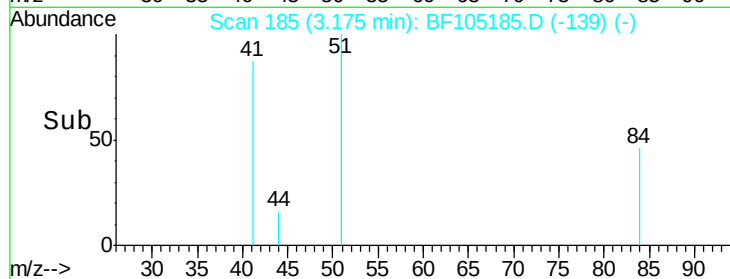
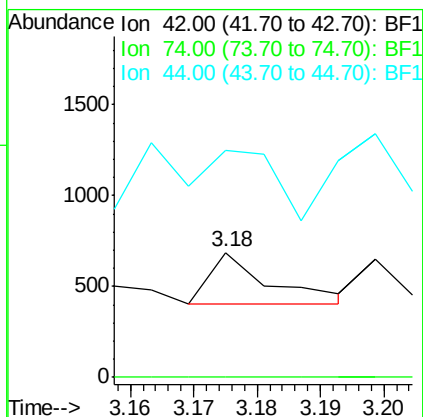
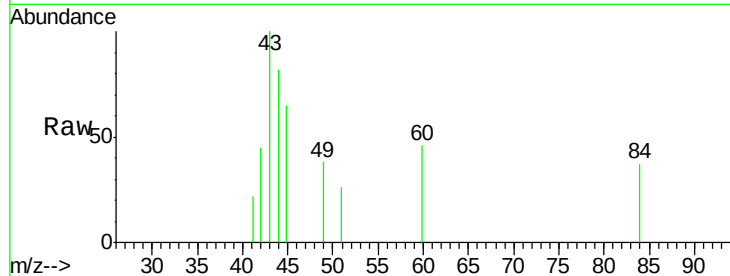


#4

n-Nitrosodimethylamine
Concen: 0.019 ng
RT: 3.18 min Scan# 185
Delta R.T. -0.03 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Instrument :
BNA_F
ClientSampleId :

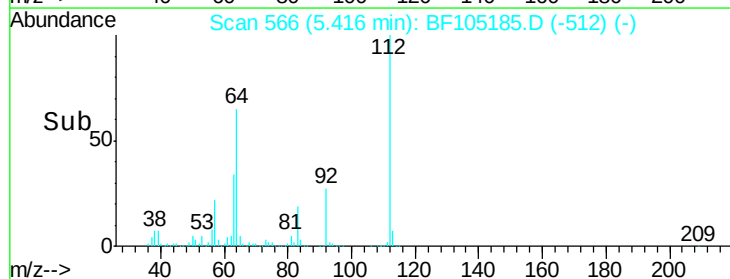
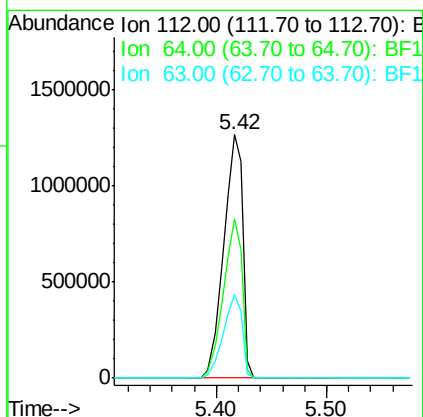
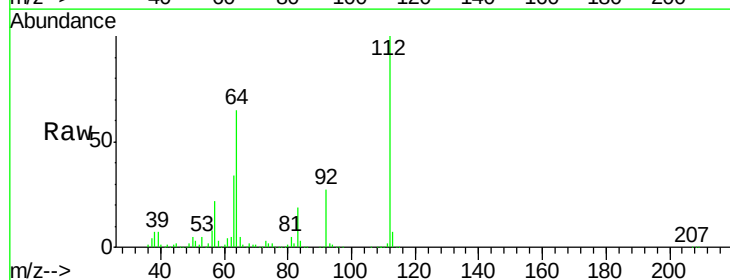
Tot Ion: 42 Resp: 188
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 180.8 6.9 10.3#

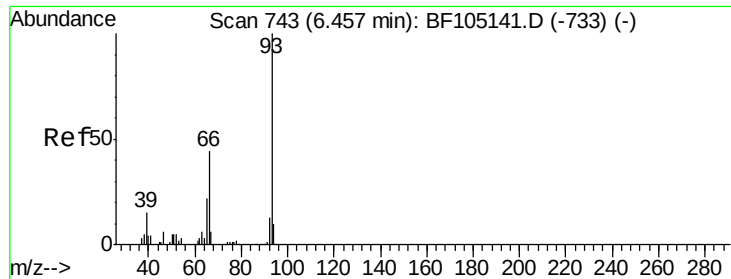


#5

2-Fluorophenol
Concen: 113.044 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.02 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion: 112 Resp: 1522133
Ion Ratio Lower Upper
112 100
64 65.5 47.9 71.9
63 34.5 23.7 35.5





#6

Aniline

Concen: 0.089 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.11 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

Instrument :

BNA_F

ClientSampled :

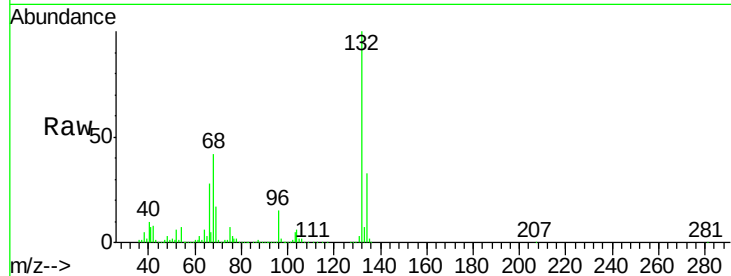
Tot Ion: 93 Resp: 2077

Ion Ratio Lower Upper

93 100

66 21989.1 32.2 48.2#

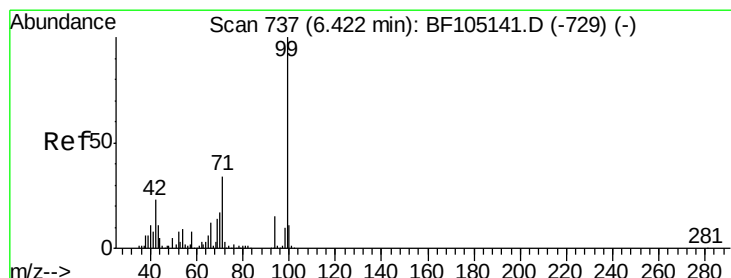
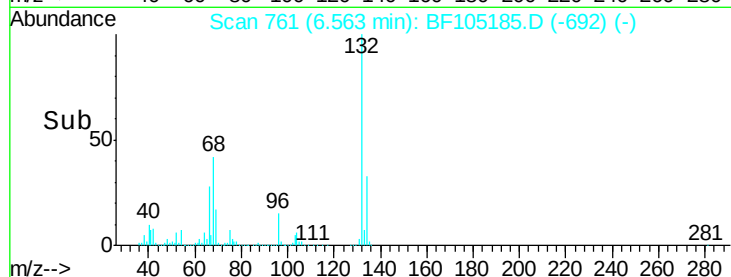
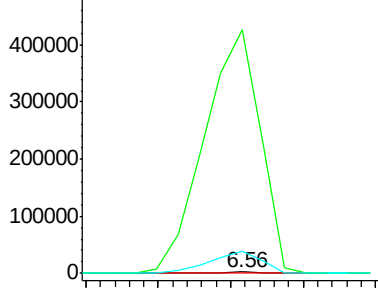
65 1969.7 16.4 24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 102.850 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

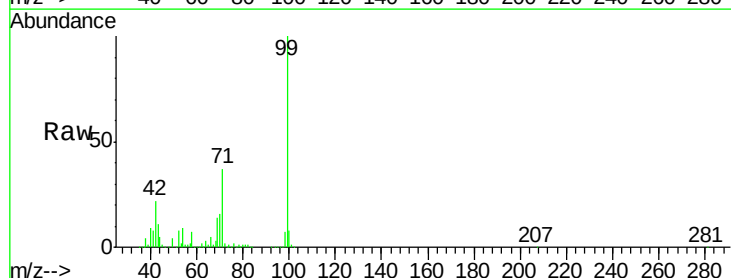
Tgt Ion: 99 Resp: 1648970

Ion Ratio Lower Upper

99 100

42 21.9 14.5 21.7#

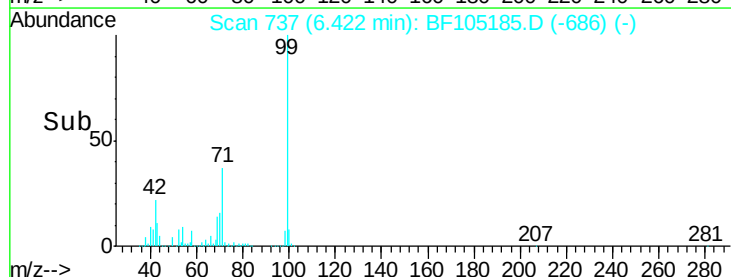
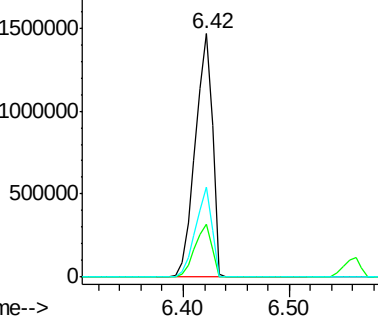
71 36.7 25.4 38.0

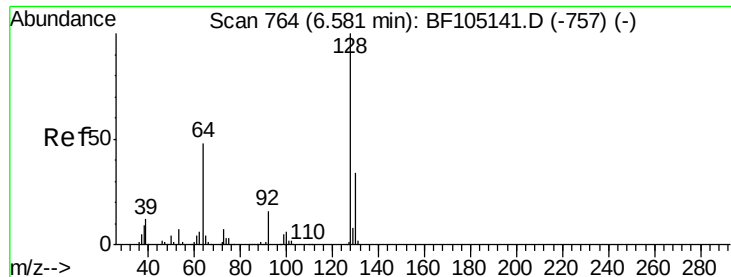


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

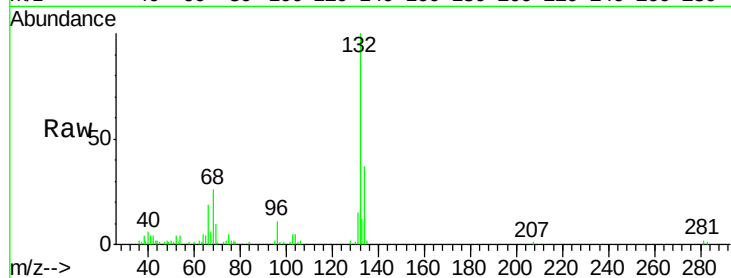




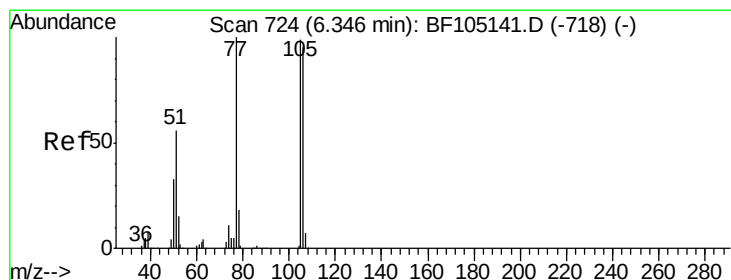
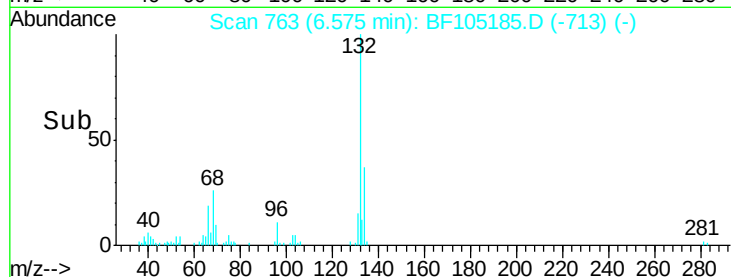
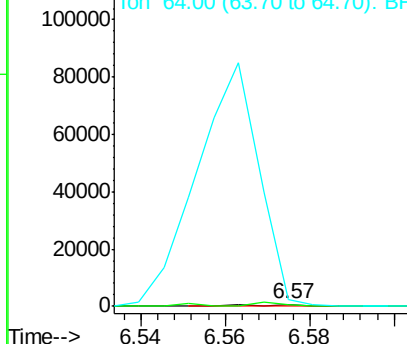
#8
2-Chlorophenol
Concen: 0.039 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 550
Ion Ratio Lower Upper
128 100
130 86.0 13.0 53.0#
64 300.4 29.4 69.4#

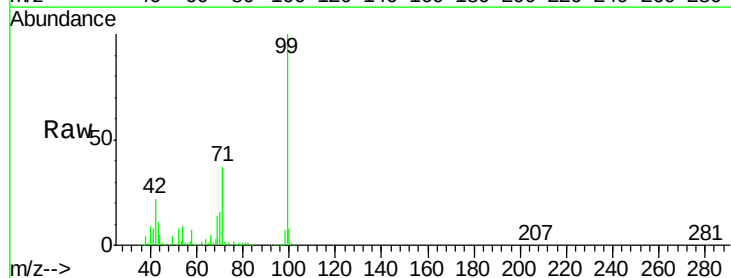


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1

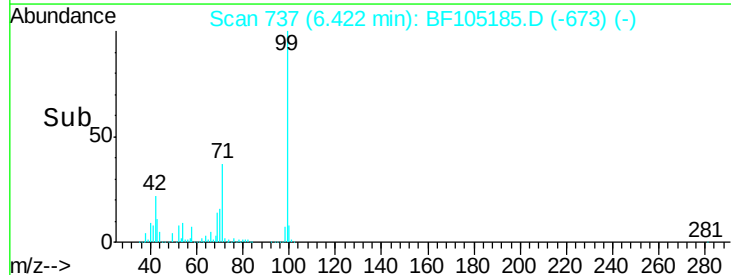
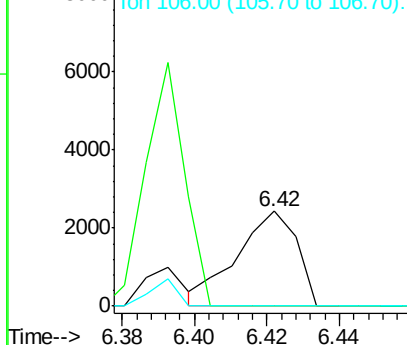


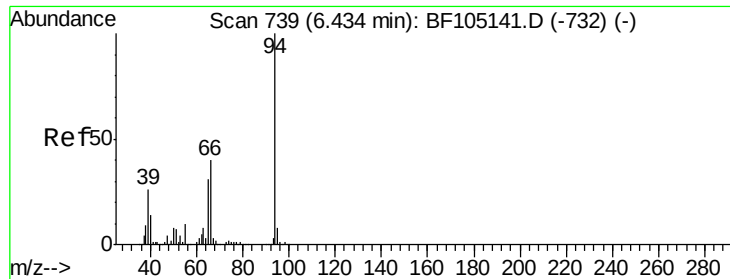
#9
Benzaldehyde
Concen: 0.226 ng
RT: 6.42 min Scan# 737
Delta R.T. 0.08 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion: 77 Resp: 2776
Ion Ratio Lower Upper
77 100
105 0.0 81.1 121.1#
106 0.0 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

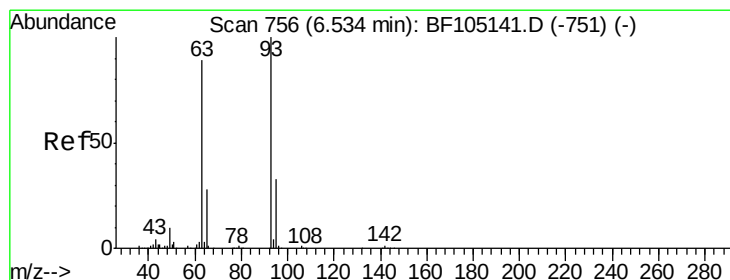
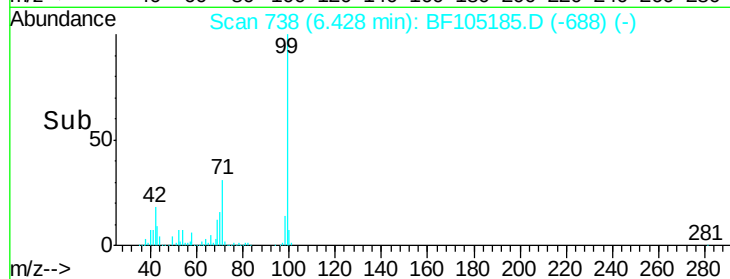
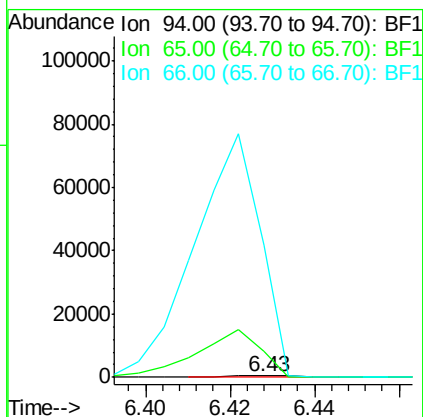
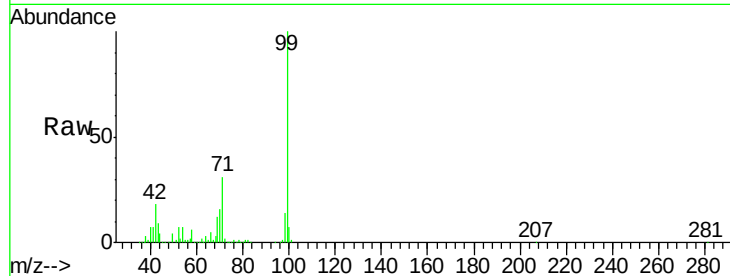




#10
Phenol
Concen: 0.023 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

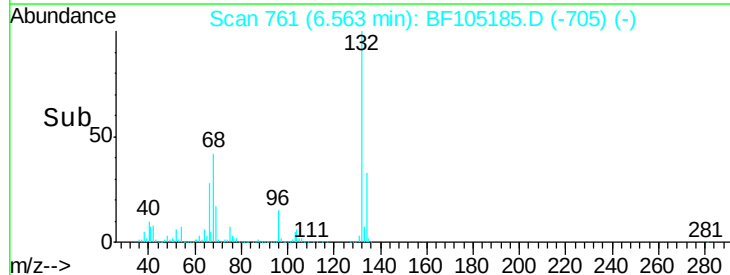
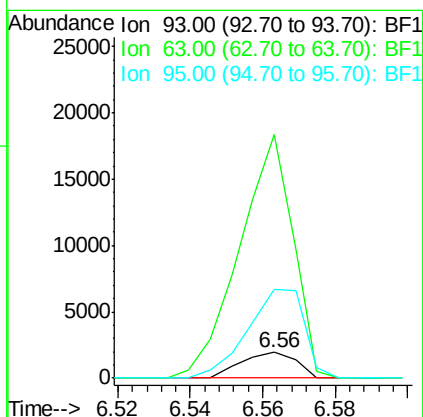
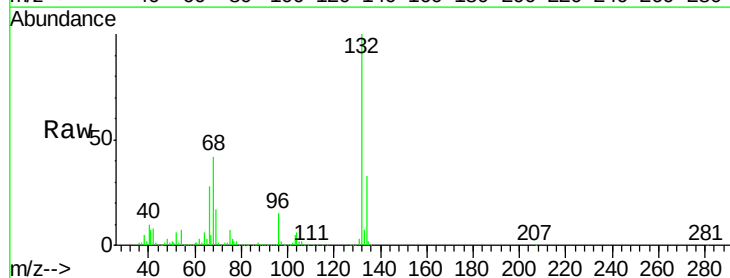
Instrument :
BNA_F
ClientSampled :

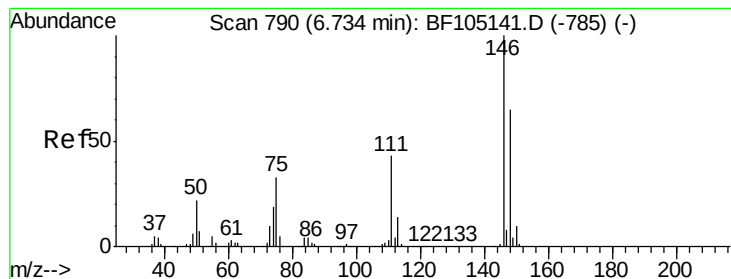
Tot Ion: 94 Resp: 413
Ion Ratio Lower Upper
94 100
65 1950.2 7.9 47.9#
66 9752.6 16.2 56.2#



#11
bis(2-Chloroethyl)ether
Concen: 0.141 ng
RT: 6.56 min Scan# 761
Delta R.T. 0.03 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion: 93 Resp: 2077
Ion Ratio Lower Upper
93 100
63 946.9 58.6 98.6#
95 344.2 11.8 51.8#





#12

1,3-Dichlorobenzene

Concen: 0.050 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.22 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

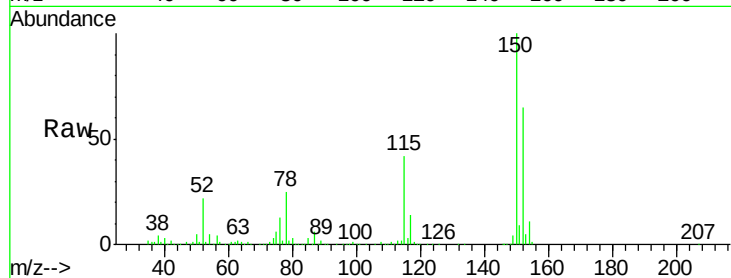
Instrument :

BNA_F

ClientSampleId :

Tot Ion:146 Resp: 862

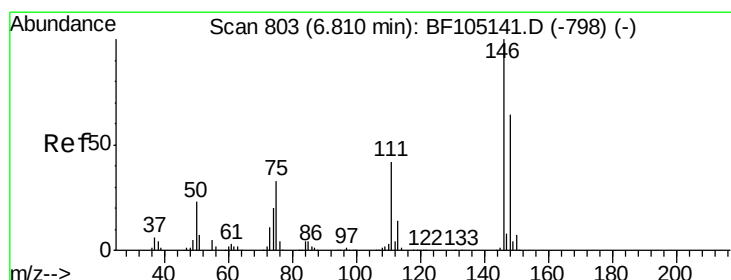
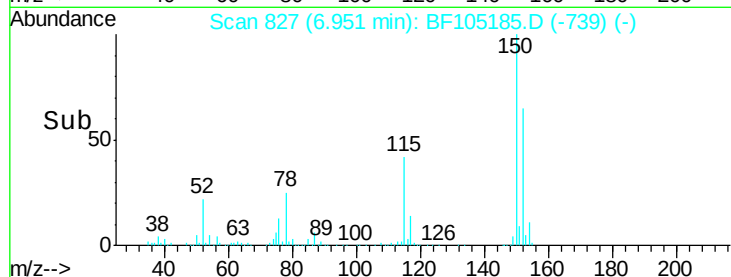
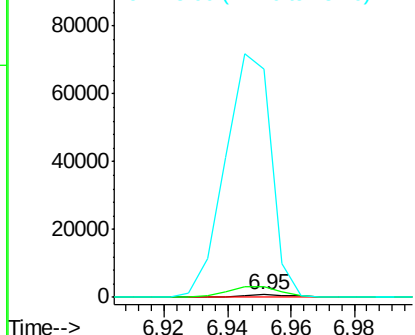
Ion	Ratio	Lower	Upper
146	100		
148	458.9	51.8	77.8#
75	9269.0	24.2	36.4#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1



#13

1,4-Dichlorobenzene

Concen: 0.050 ng

RT: 6.95 min Scan# 827

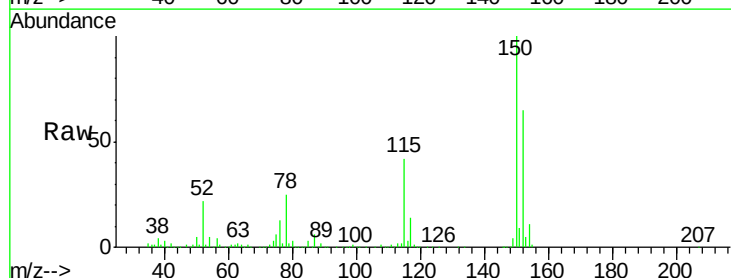
Delta R.T. 0.14 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

Tgt Ion:146 Resp: 862

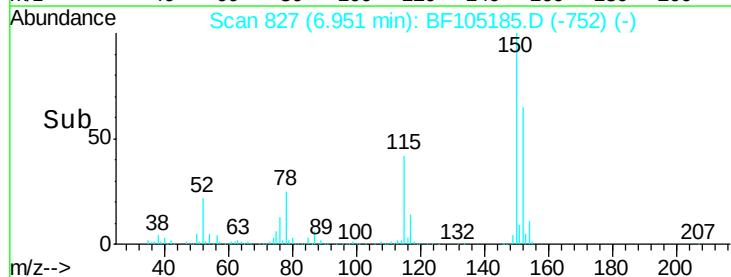
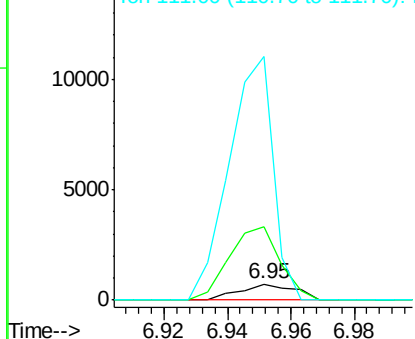
Ion	Ratio	Lower	Upper
146	100		
148	458.9	50.8	76.2#
111	1521.7	34.2	51.2#

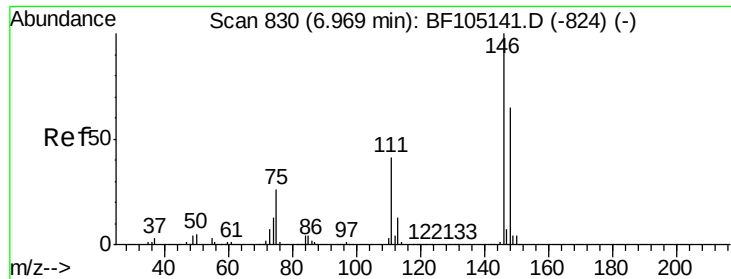


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

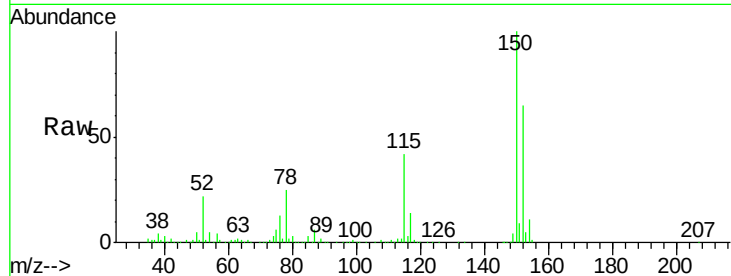




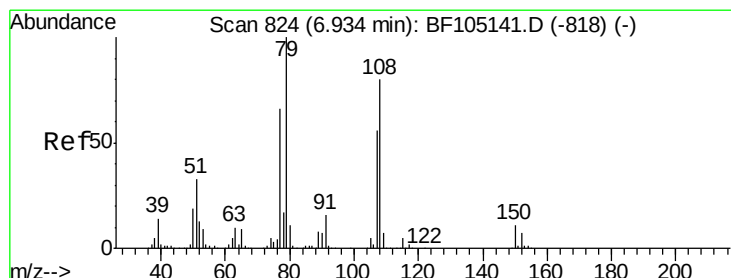
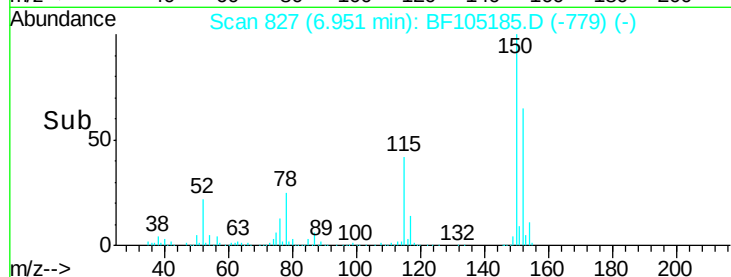
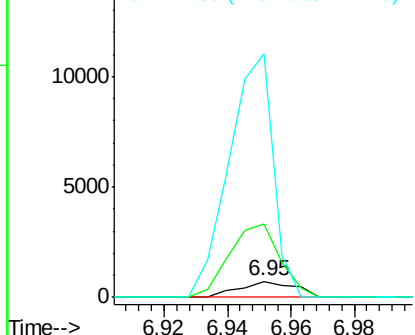
#14
 1,2-Dichlorobenzene
 Concen: 0.054 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.02 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 862
 Ion Ratio Lower Upper
 146 100
 148 458.9 50.6 75.8#
 111 1521.7 36.0 54.0#

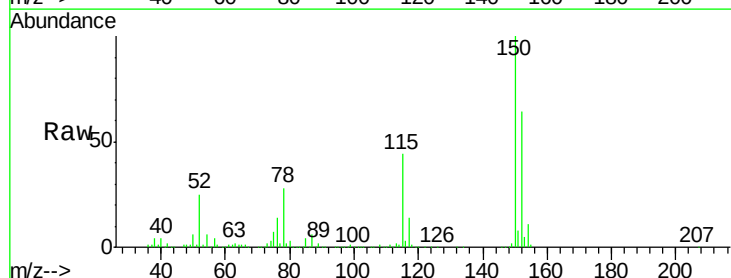


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

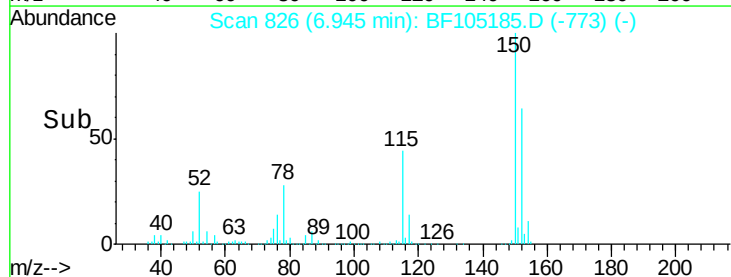
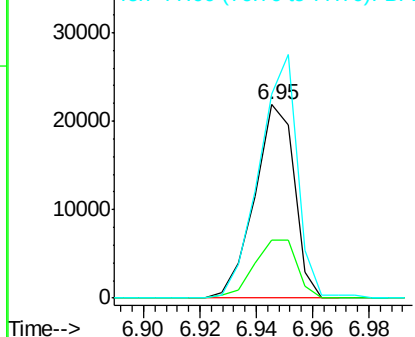


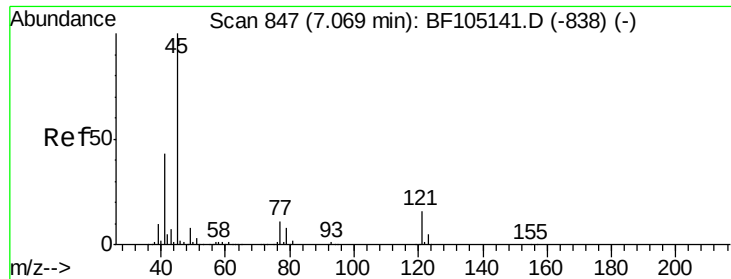
#15
 Benzyl Alcohol
 Concen: 1.736 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Tgt Ion: 79 Resp: 21307
 Ion Ratio Lower Upper
 79 100
 108 30.2 65.1 97.7#
 77 105.2 50.6 75.8#



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

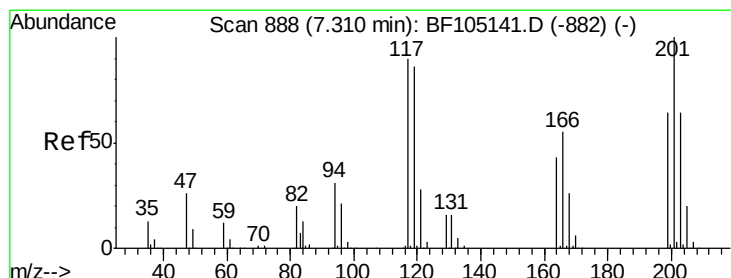
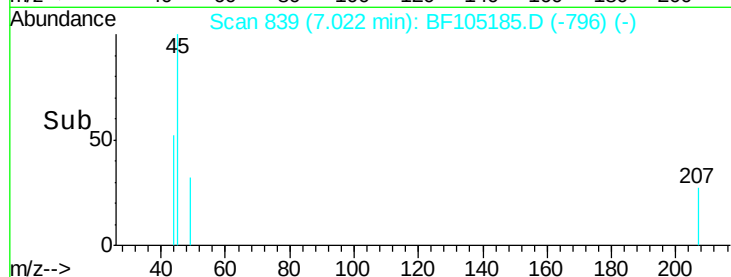
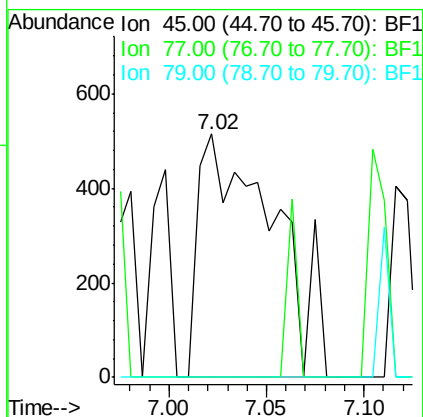
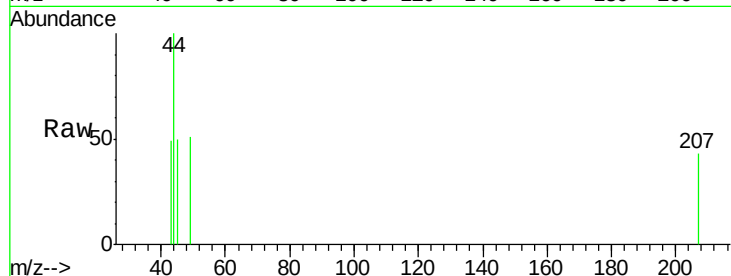




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.050 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.05 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

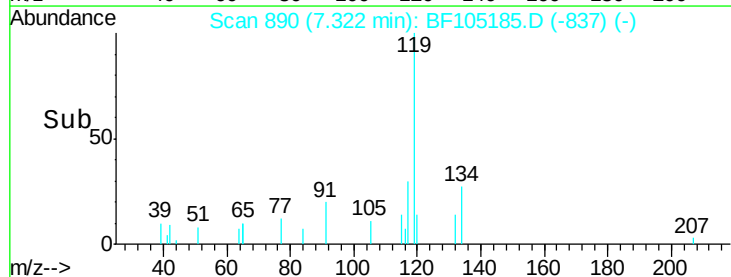
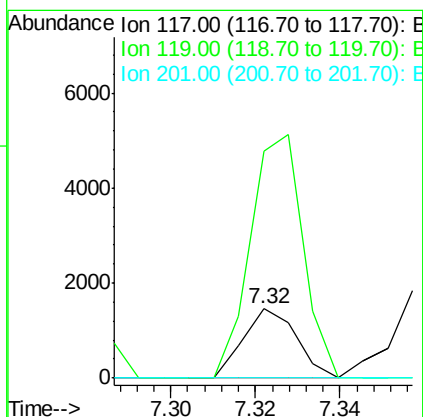
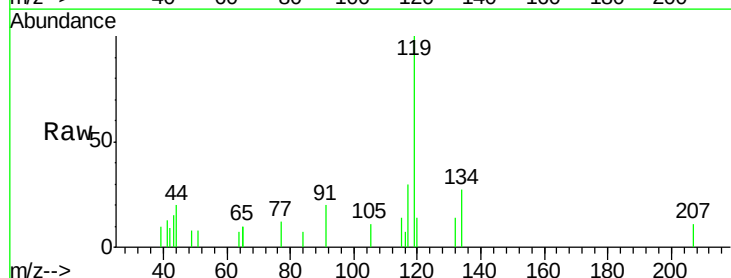
Instrument :
BNA_F
ClientSampleId :

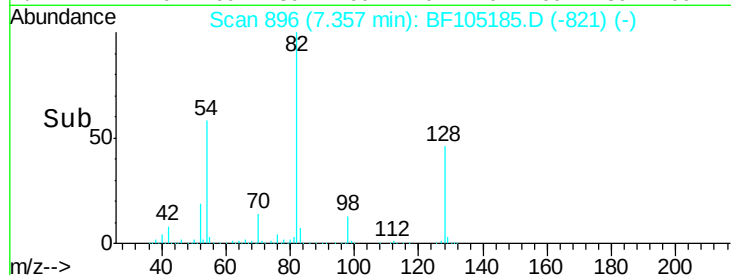
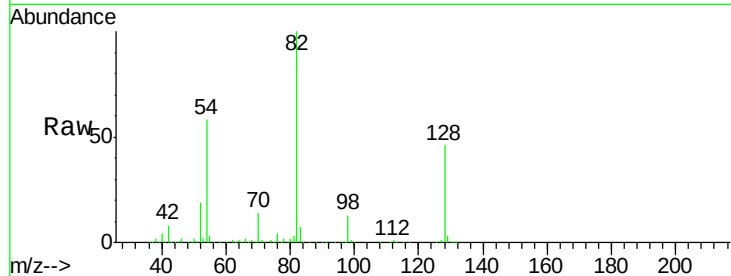
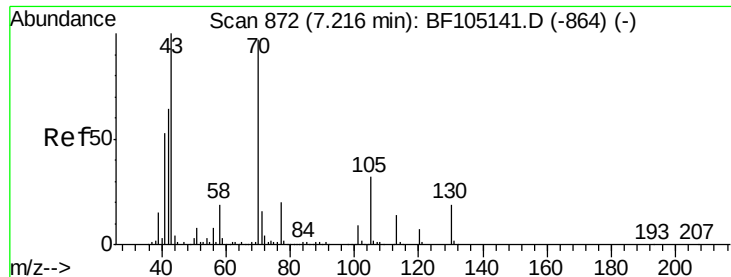
Tot Ion: 45 Resp: 1380
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.9
79 0.0 0.0 29.6



#18
Hexachloroethane
Concen: 0.230 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion: 117 Resp: 1274
Ion Ratio Lower Upper
117 100
119 328.9 75.8 113.8#
201 0.0 75.7 113.5#

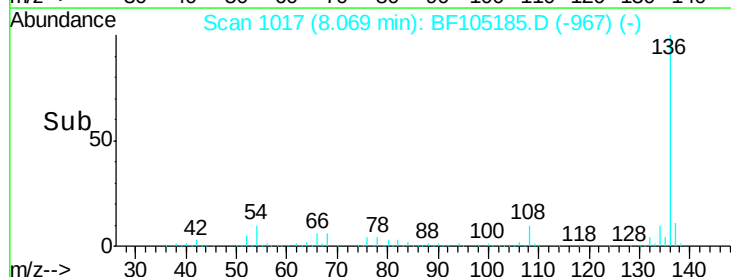
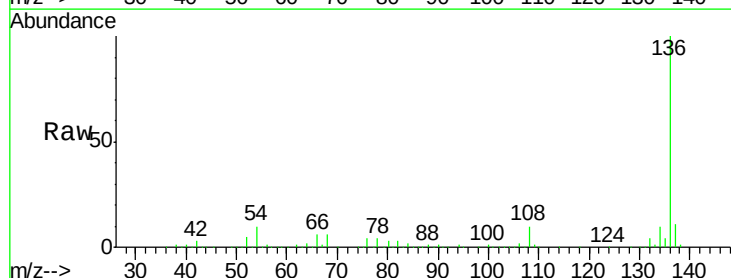
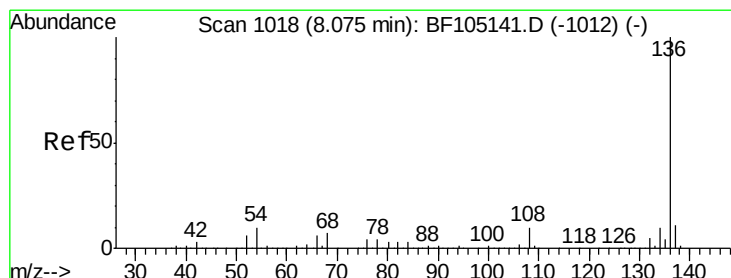
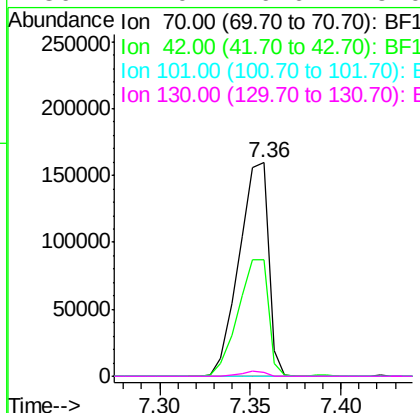




#19
n-Nitroso-di-n-propylamine
Concen: 16.961 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

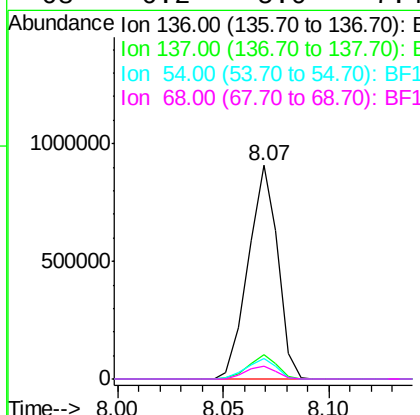
Instrument :
BNA_F
ClientSampled :

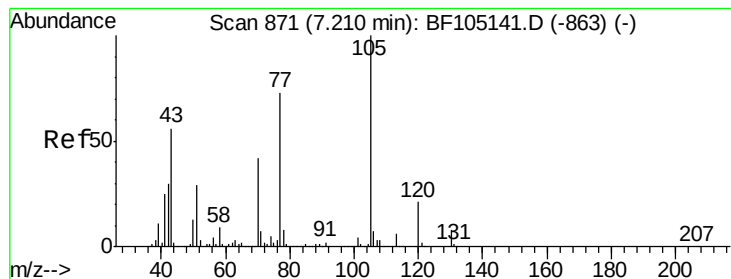
Tot Ion: 70 Resp: 180040
Ion Ratio Lower Upper
70 100
42 54.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion:136 Resp: 877835
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.7 6.6 9.8
68 6.2 5.0 7.4





#22

Acetophenone

Concen: 0.184 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.02 min

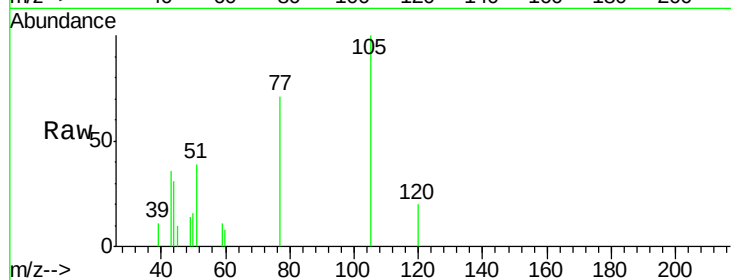
Lab File: BF105185.D

Acq: 9 May 2018 10:24

Instrument :

BNA_F

ClientSampleId :



Tot Ion:105 Resp: 3769

Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 38.8 22.3 33.5#

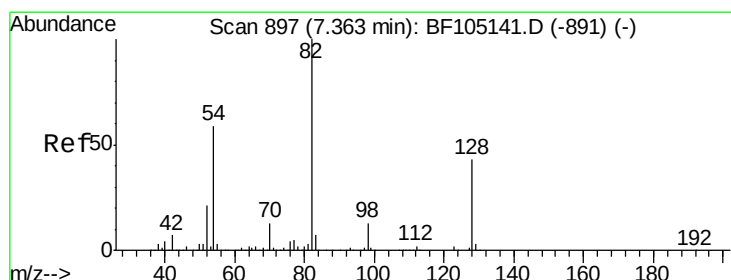
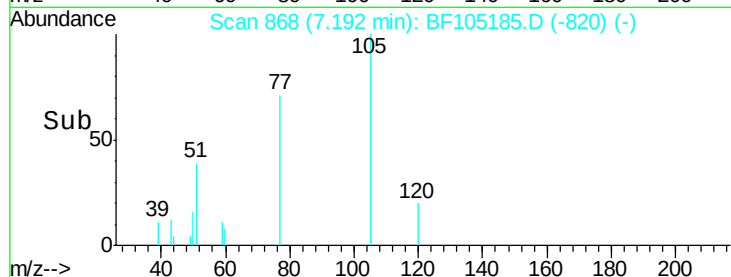
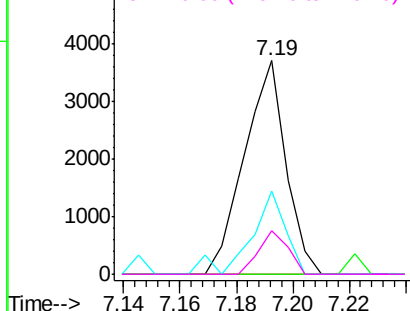
120 20.4 16.9 25.3

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: 101.229 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

Tgt Ion: 82 Resp: 1311160

Ion Ratio Lower Upper

82 100

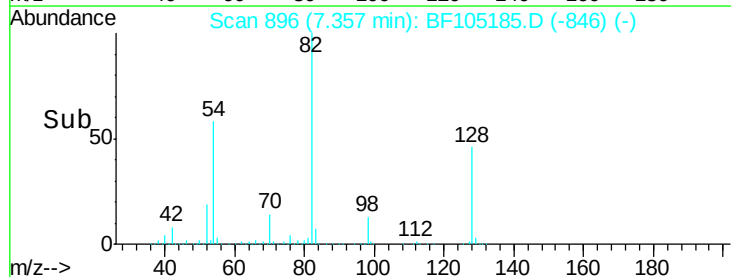
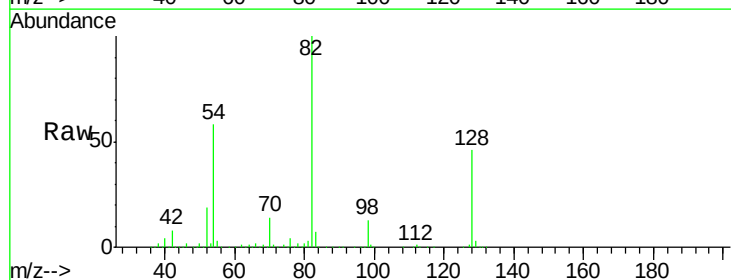
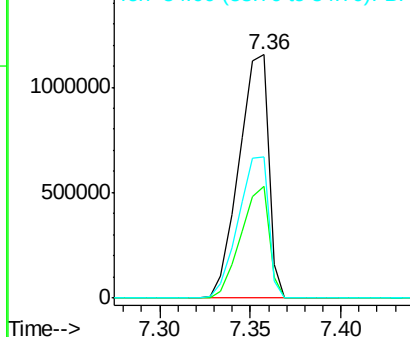
128 46.0 36.1 54.1

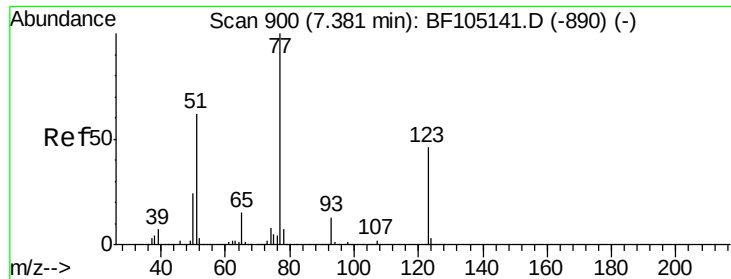
54 57.9 41.4 62.2

Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

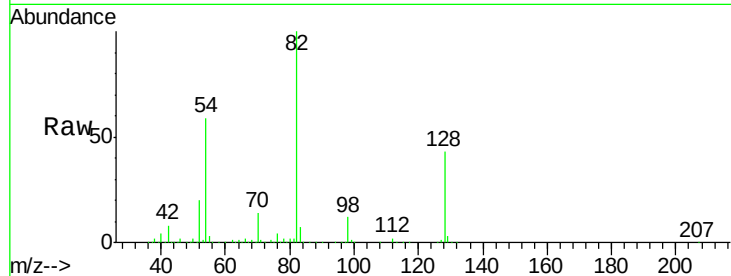




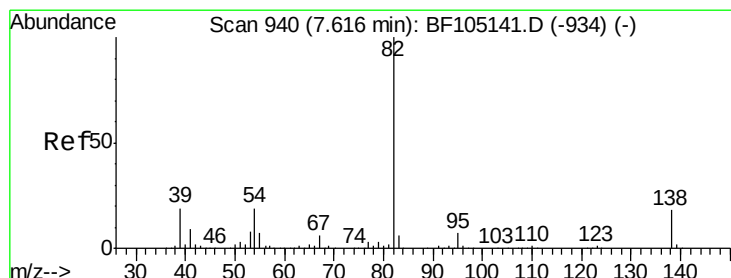
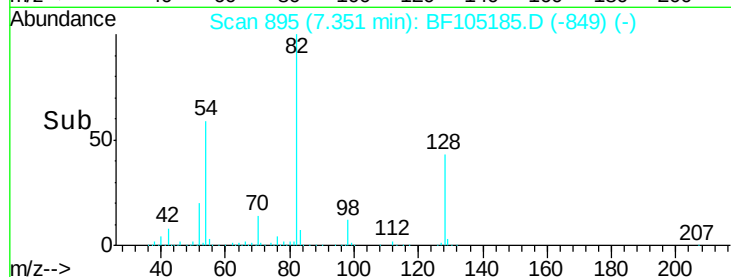
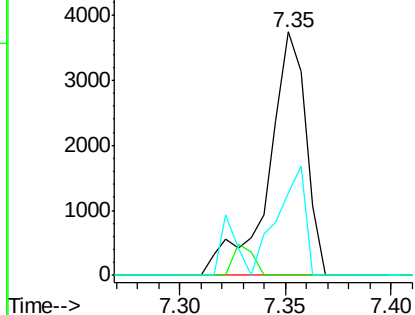
#24
Nitrobenzene
Concen: 0.315 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.03 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 4630
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 33.8 11.0 16.4#

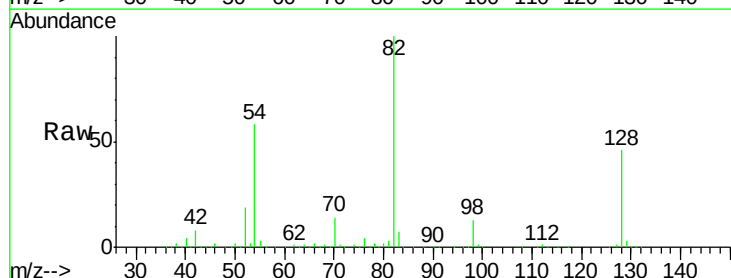


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

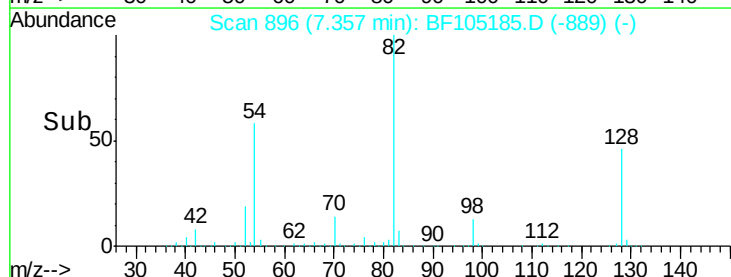
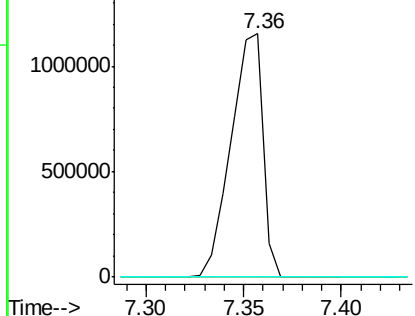


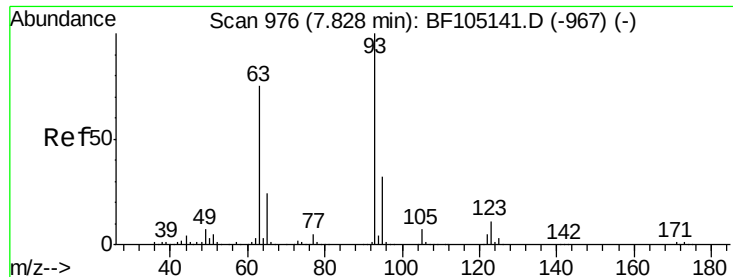
#25
Isophorone
Concen: 45.263 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion: 82 Resp: 1311119
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



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

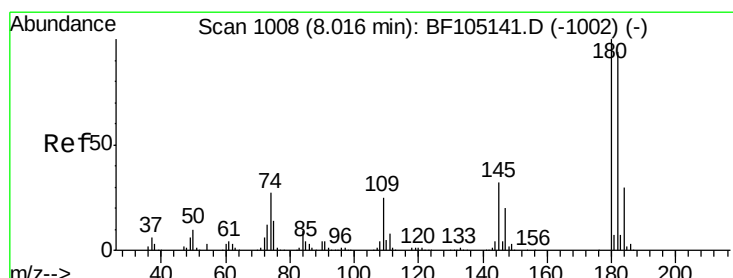
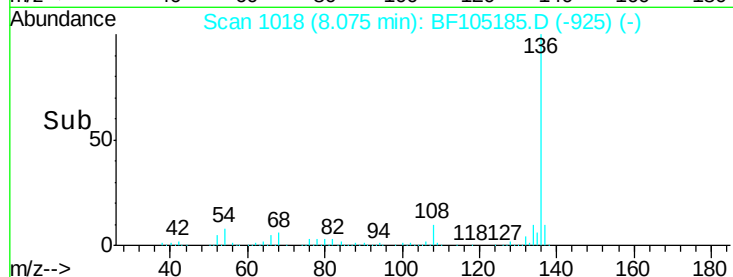
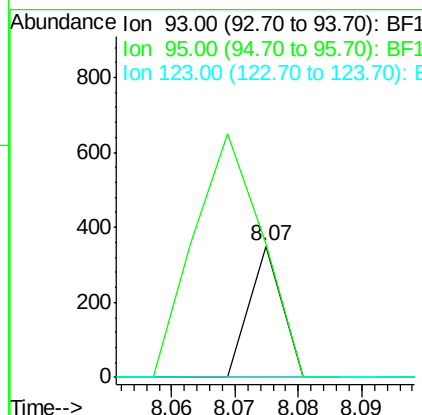
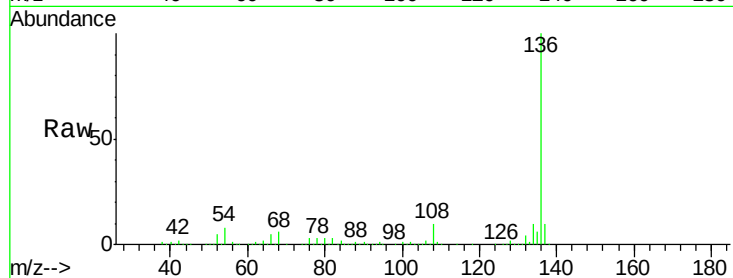




#28
bis(2-Chloroethoxy)methane
Concen: 0.007 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.25 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

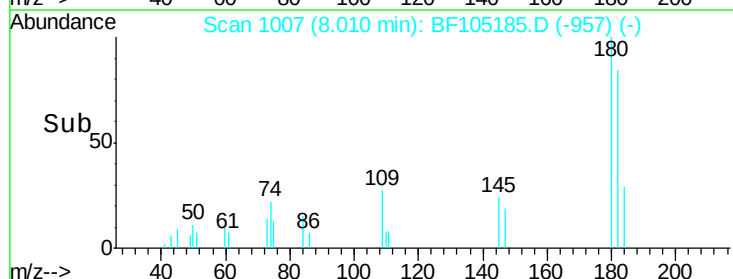
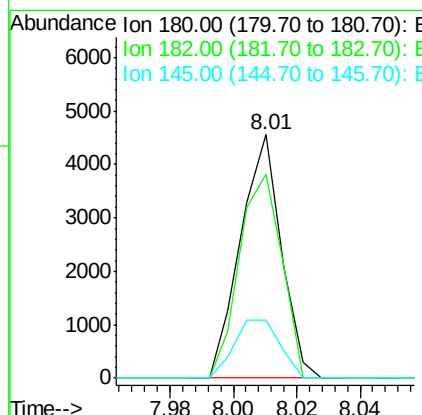
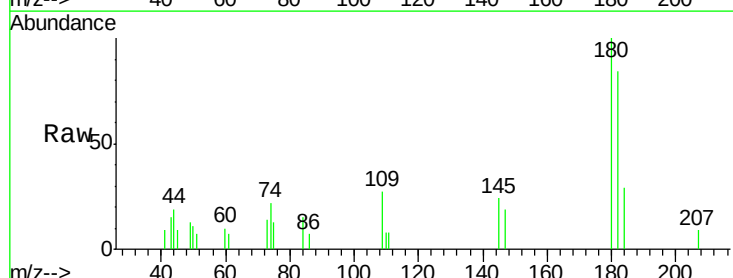
Instrument :
BNA_F
ClientSampleId :

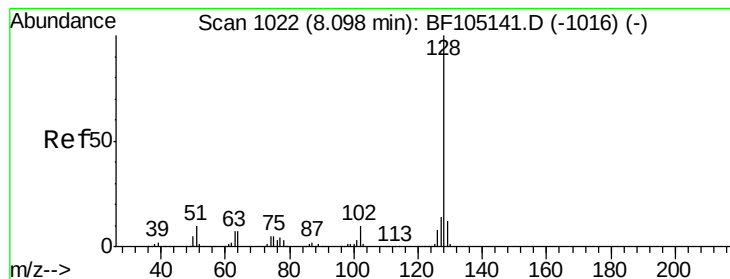
Tot Ion: 93 Resp: 124
Ion Ratio Lower Upper
93 100
95 101.7 26.3 39.5#
123 0.0 9.8 14.6#



#30
1,2,4-Trichlorobenzene
Concen: 0.292 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion:180 Resp: 4053
Ion Ratio Lower Upper
180 100
182 83.8 76.8 115.2
145 24.0 26.5 39.7#





#31

Naphthalene

Concen: 5.951 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

Instrument :

BNA_F

ClientSampleId :

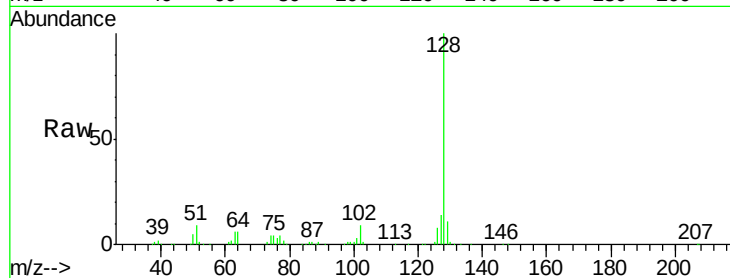
Tot Ion:128 Resp: 251554

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

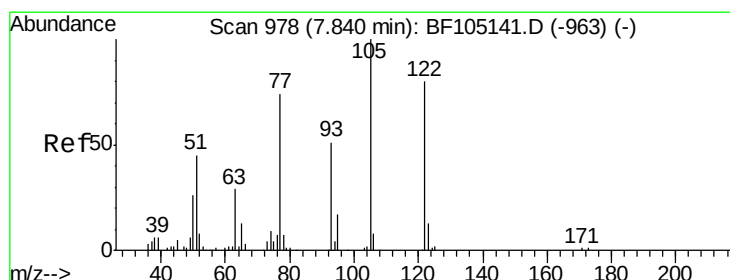
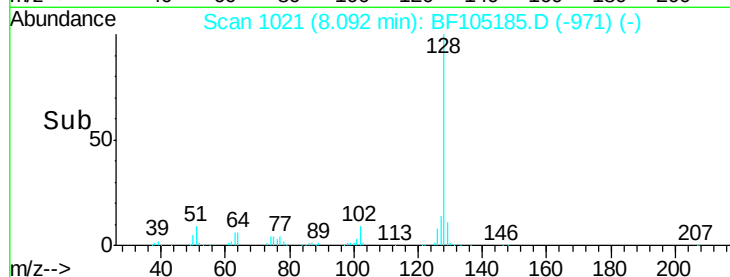
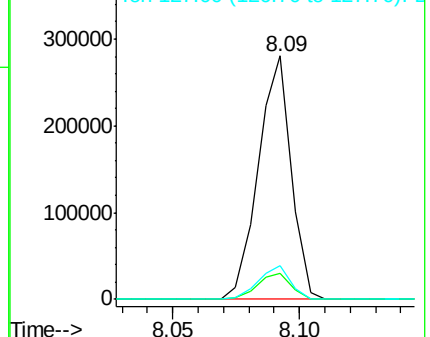
127 13.6 10.9 16.3



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: 9.204 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.25 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

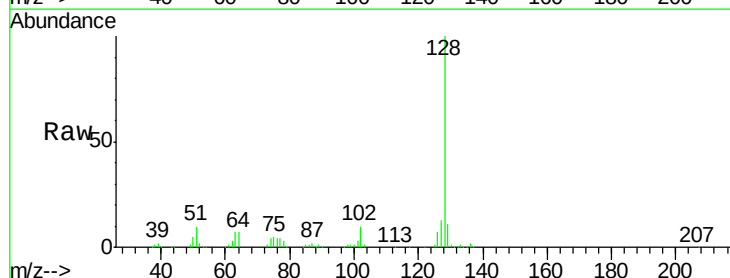
Tgt Ion:122 Resp: 482

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

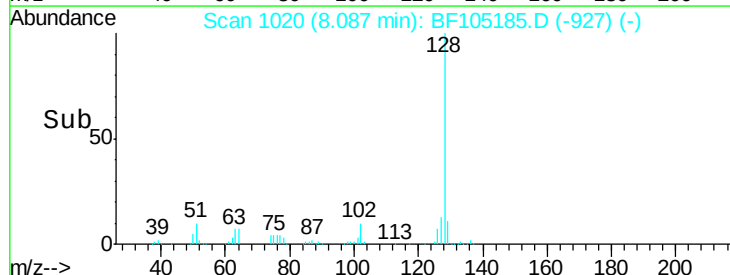
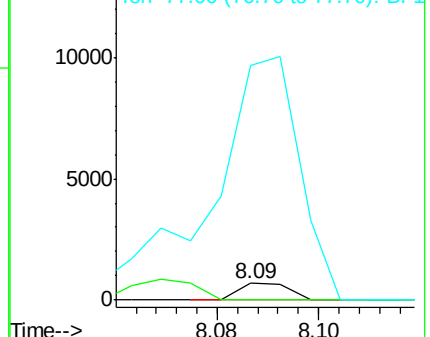
77 1390.7 70.7 110.7#

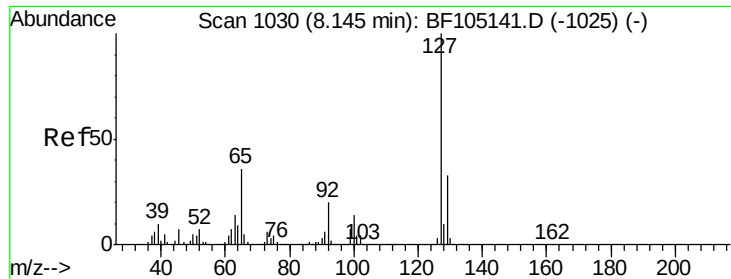


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

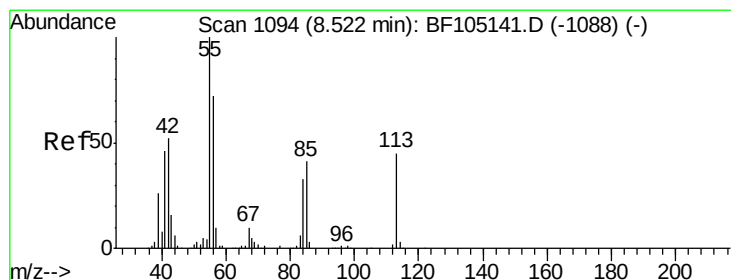
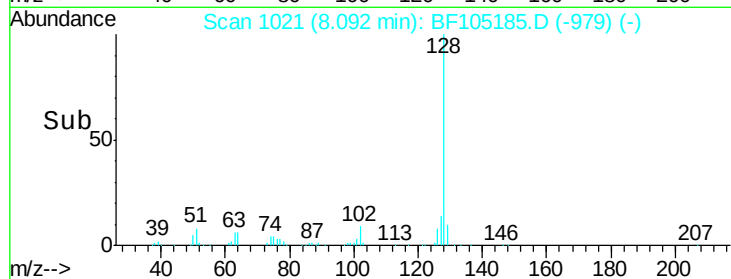
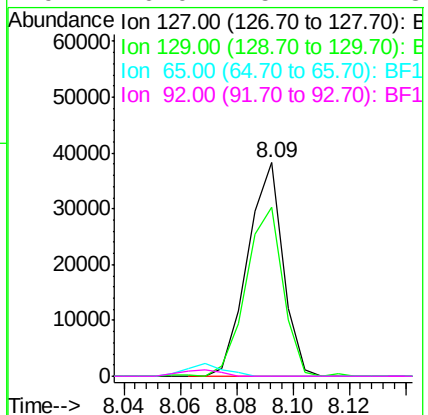
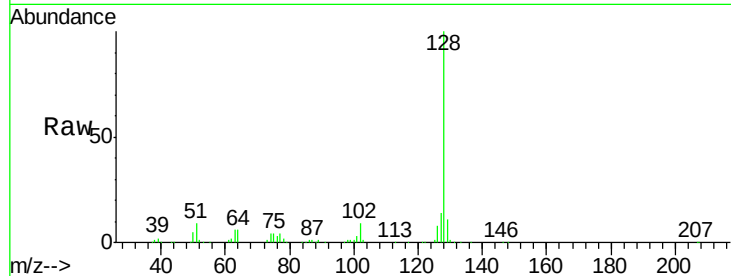




#33
4-Chloroaniline
Concen: 1.895 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.05 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

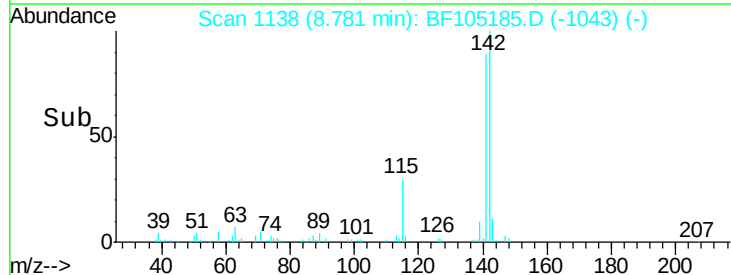
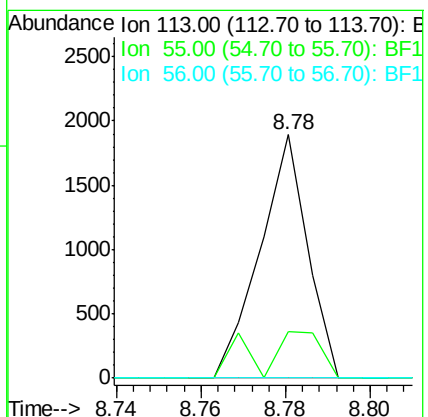
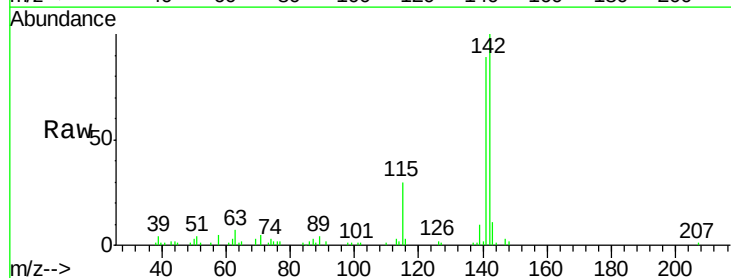
Instrument :
BNA_F
ClientSampleId :

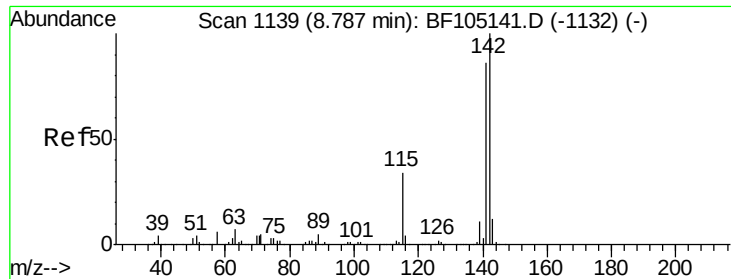
Tot Ion	Ratio	Lower	Upper
127	100		
129	79.2	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#35
Caprolactam
Concen: 0.407 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.26 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion	Ratio	Lower	Upper
113	100		
55	19.2	163.3	203.3#
56	0.0	115.7	155.7#

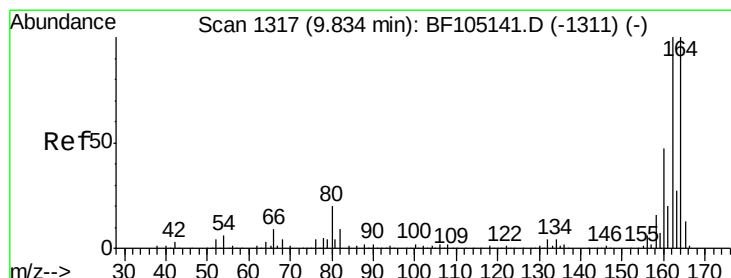
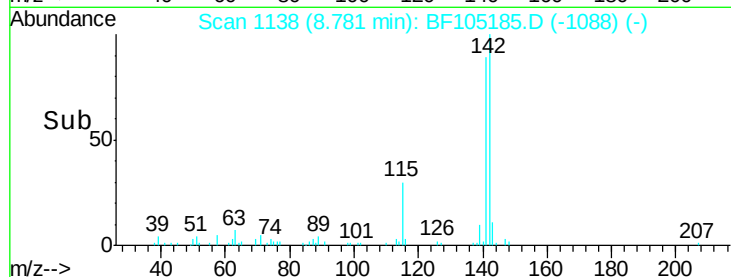
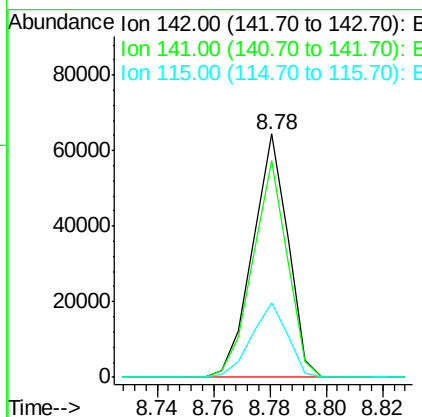
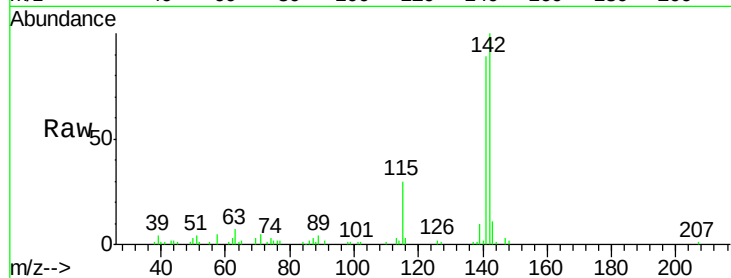




#37
2-Methylnaphthalene
Concen: 1.896 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

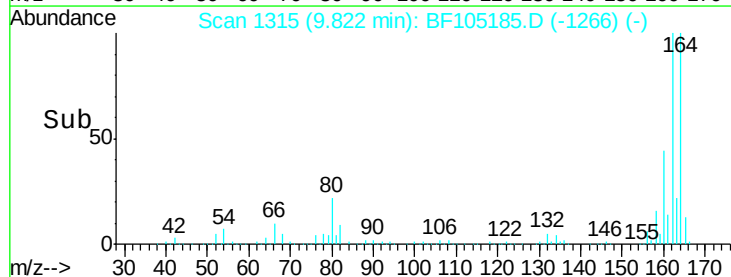
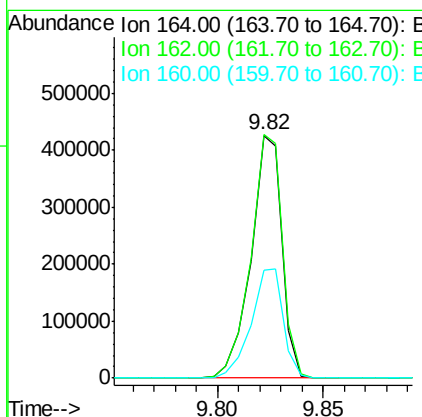
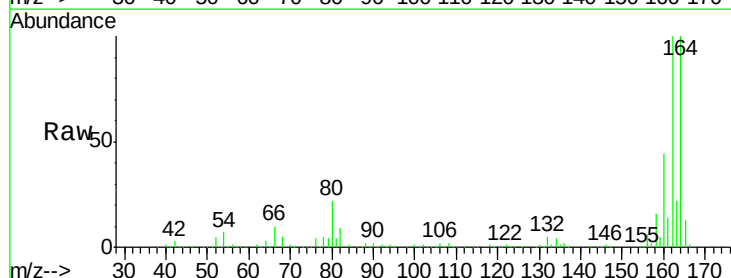
Instrument :
BNA_F
ClientSampleId :

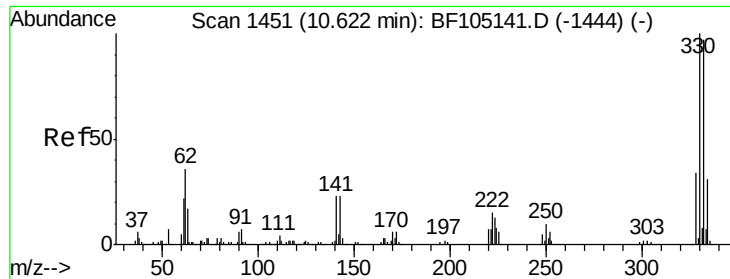
Tot Ion:142 Resp: 55870
Ion Ratio Lower Upper
142 100
141 88.8 70.8 106.2
115 30.4 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion:164 Resp: 435083
Ion Ratio Lower Upper
164 100
162 100.5 86.1 129.1
160 44.3 38.3 57.5

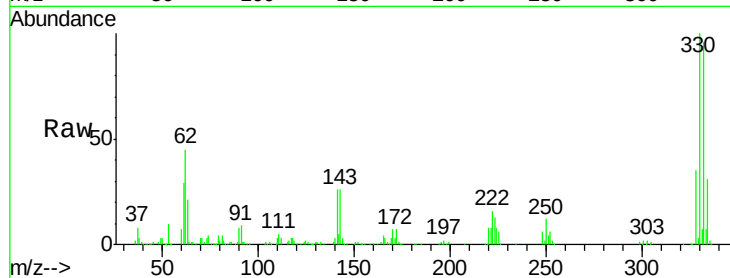




#41
 2,4,6-Tribromophenol
 Concen: 141.936 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	26.6	29.9	44.9#

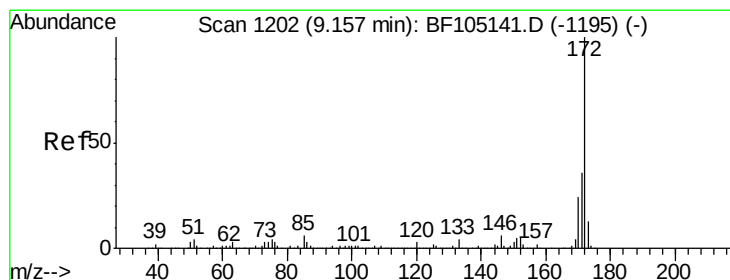
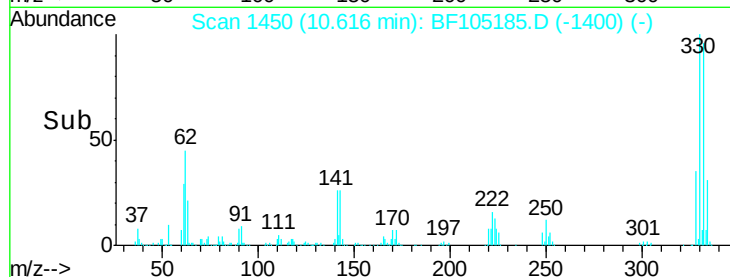
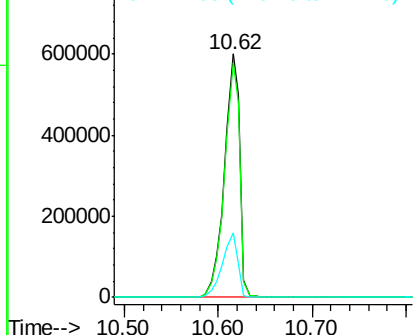


Abundance

Ion 329.80 (329.50 to 330.50): E

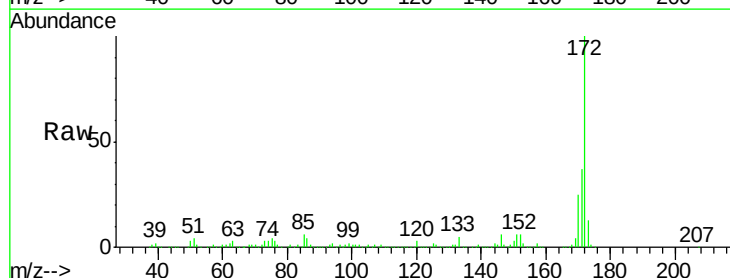
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 85.076 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	25.1	19.6	29.4

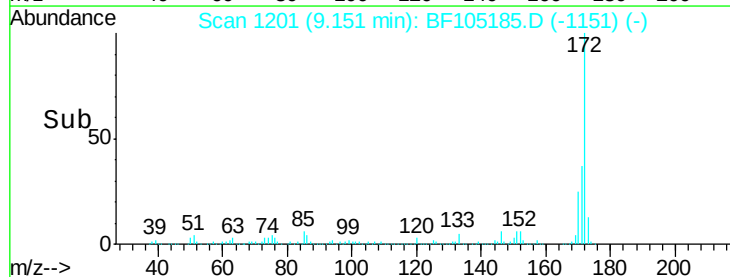
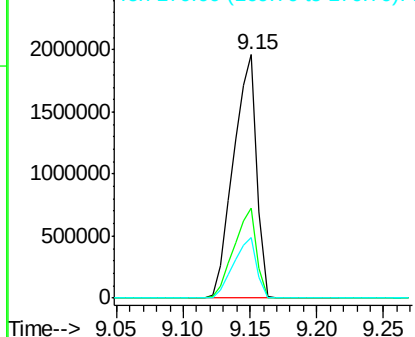


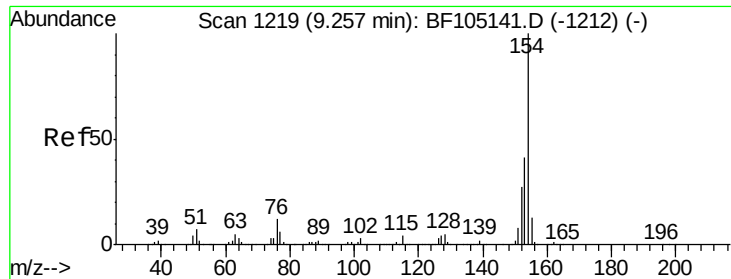
Abundance

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

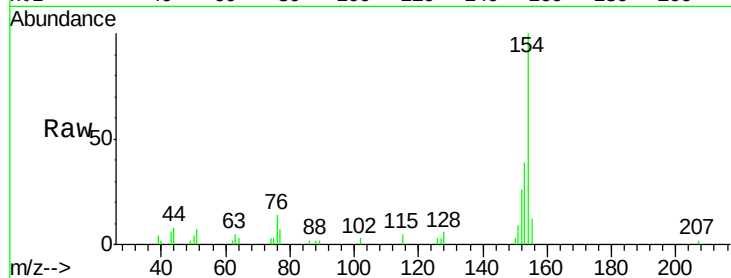




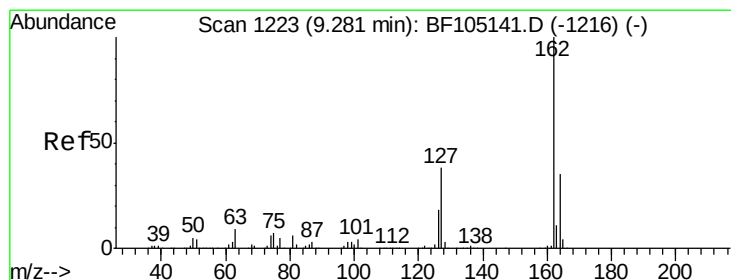
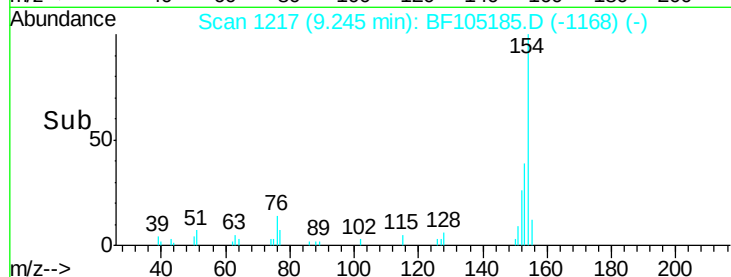
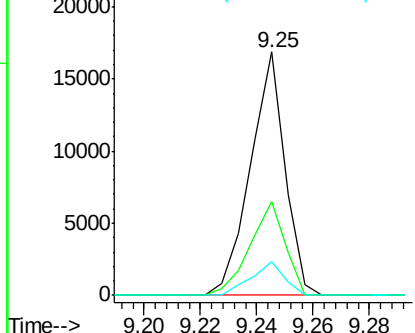
#45
 1,1'-Biphenyl
 Concen: 0.404 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 14322
 Ion Ratio Lower Upper
 154 100
 153 38.8 21.3 61.3
 76 14.0 0.0 34.0

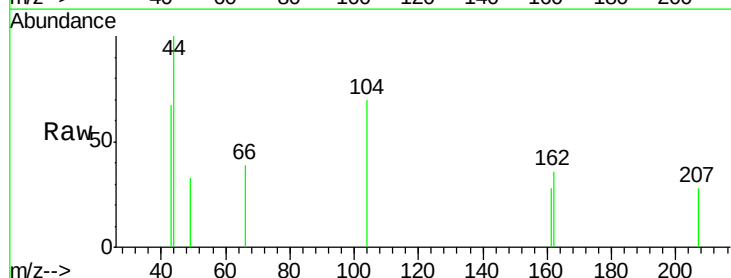


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

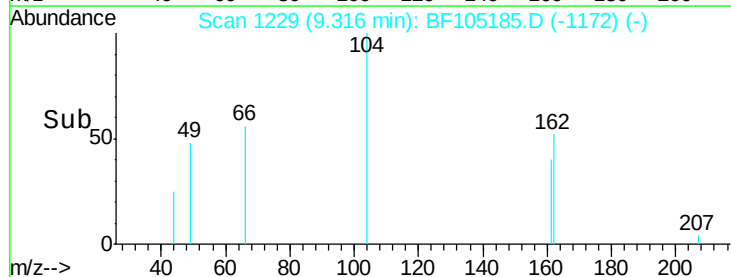
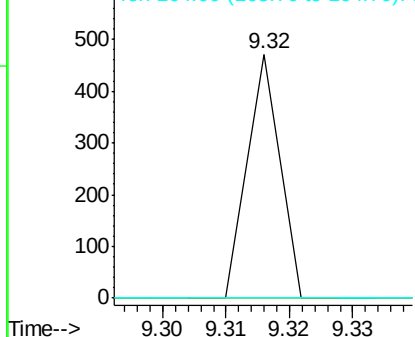


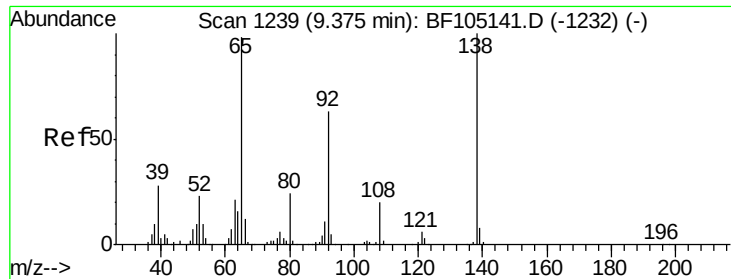
#46
 2-Chloronaphthalene
 Concen: 0.006 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. 0.04 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Tgt Ion:162 Resp: 166
 Ion Ratio Lower Upper
 162 100
 127 0.0 33.9 50.9#
 164 0.0 26.5 39.7#



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

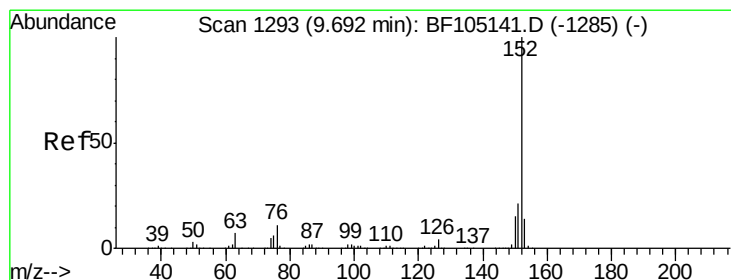
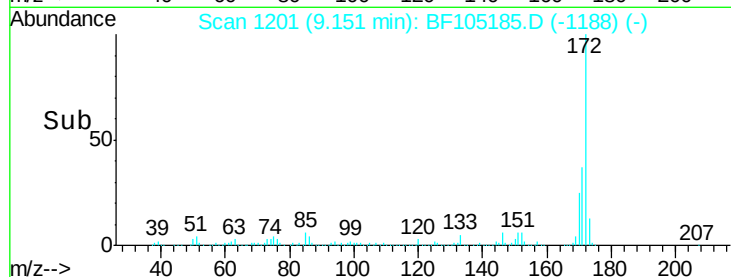
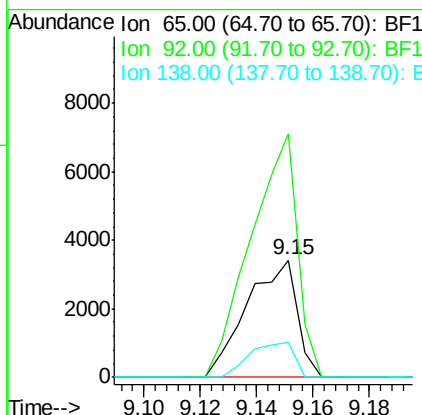
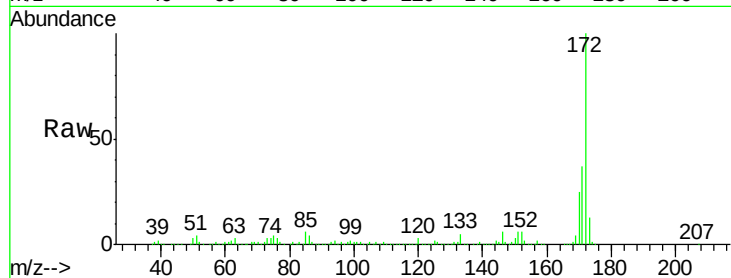




#47
2-Nitroaniline
Concen: 6.283 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.22 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

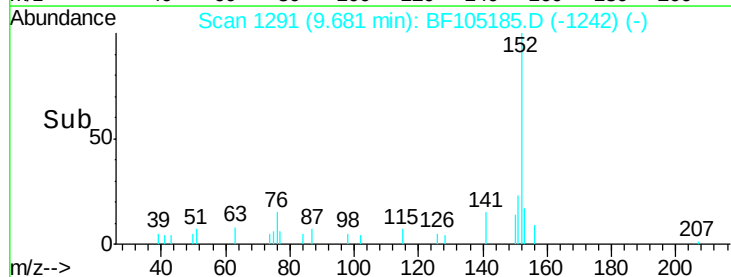
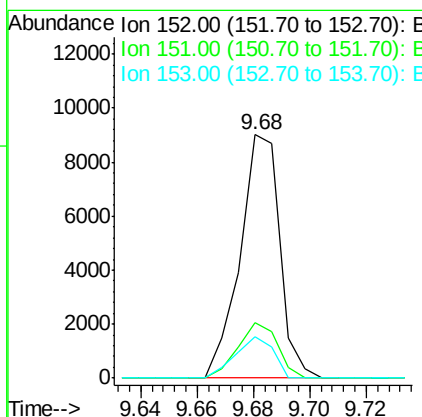
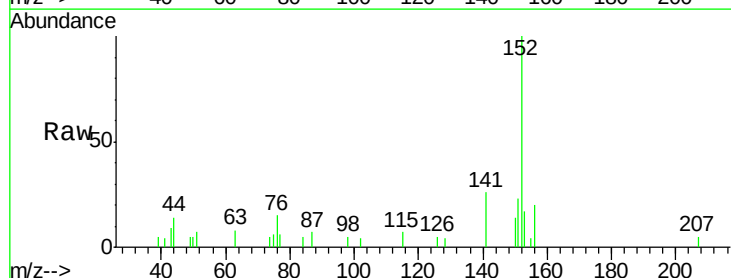
Instrument :
BNA_F
ClientSampled :

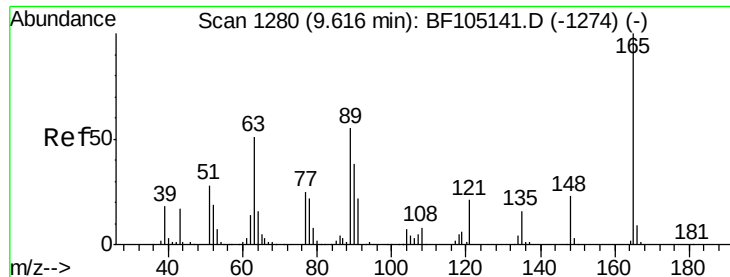
Tot Ion: 65 Resp: 4201
Ion Ratio Lower Upper
65 100
92 208.1 55.8 83.6#
138 30.1 91.2 136.8#



#48
Acenaphthylene
Concen: 0.215 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion: 152 Resp: 8805
Ion Ratio Lower Upper
152 100
151 23.0 16.3 24.5
153 17.1 10.7 16.1#

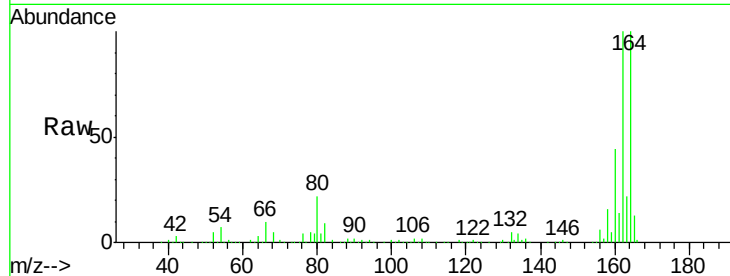




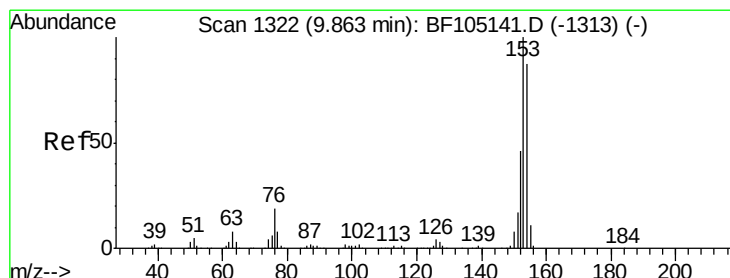
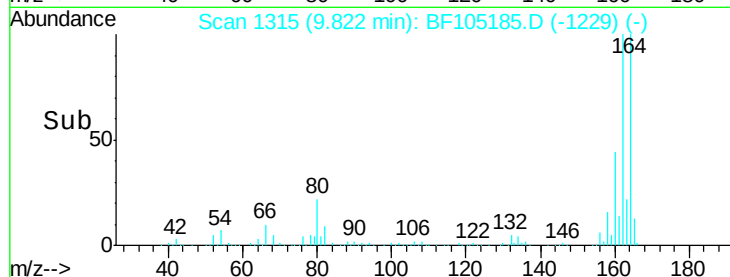
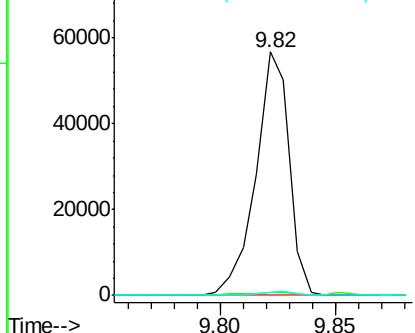
#50
2,6-Dinitrotoluene
Concen: 8.945 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.21 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 57167
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.3 44.0 66.0#

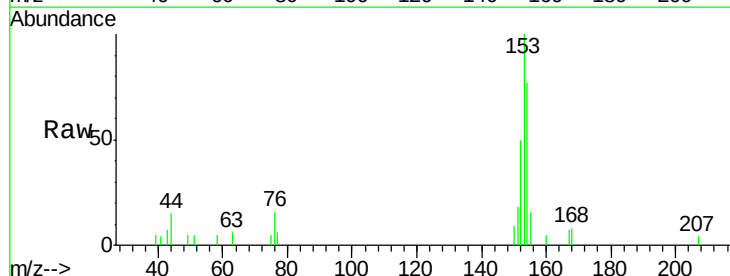


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

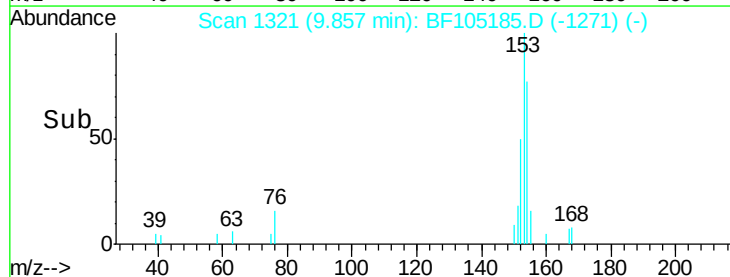
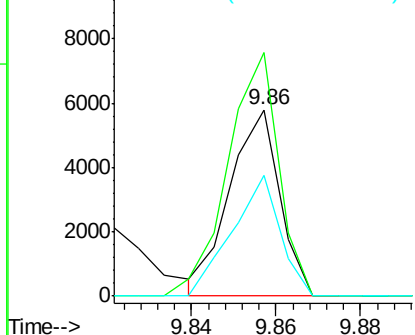


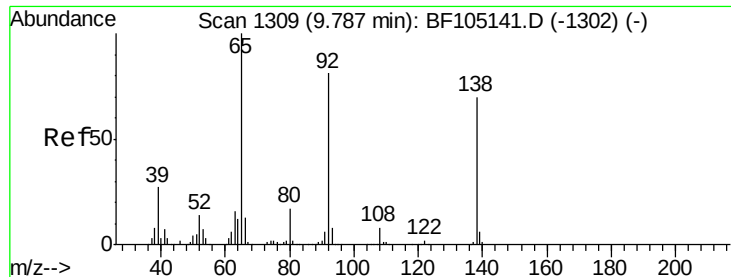
#51
Acenaphthene
Concen: 0.180 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion:154 Resp: 4753
Ion Ratio Lower Upper
154 100
153 130.5 91.2 136.8
152 65.0 43.8 65.8



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: 0.020 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.14 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

Instrument :

BNA_F

ClientSampleId :

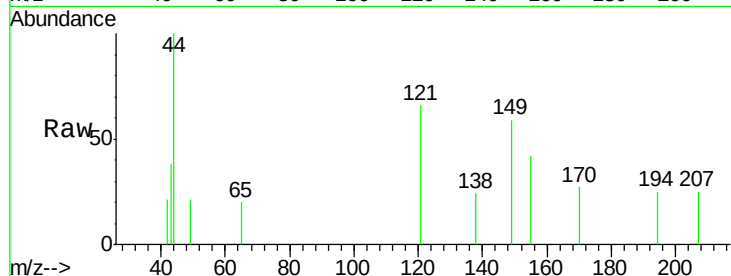
Tot Ion:138 Resp: 135

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

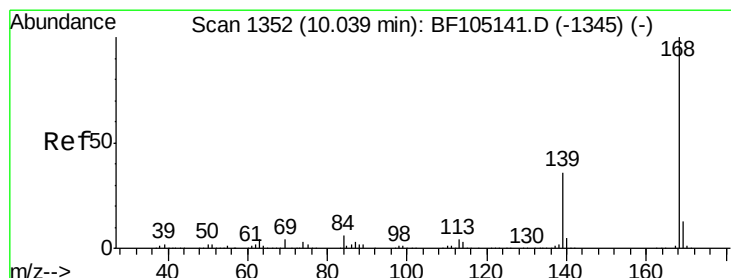
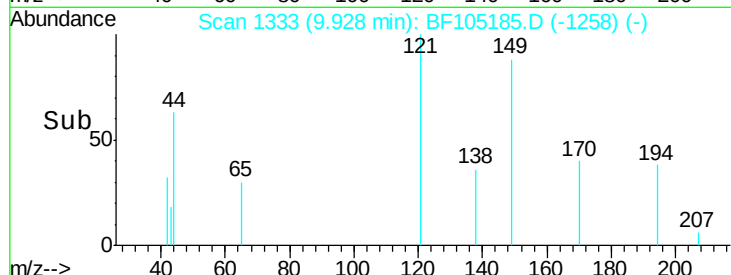
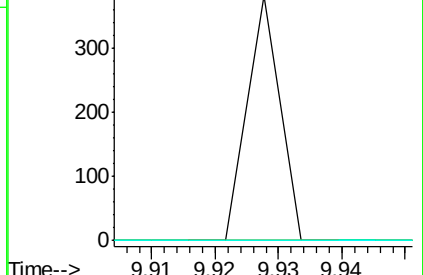
92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

Dibenzofuran

Concen: 0.126 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

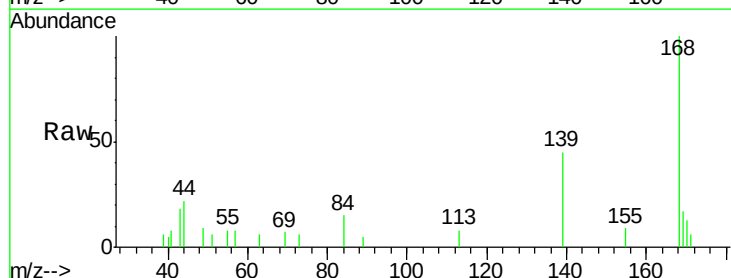
Tgt Ion:168 Resp: 4863

Ion Ratio Lower Upper

168 100

139 44.6 30.1 45.1

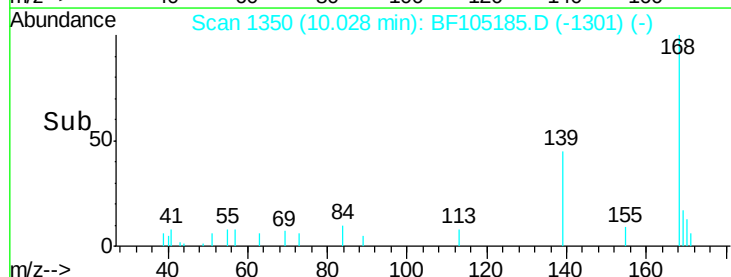
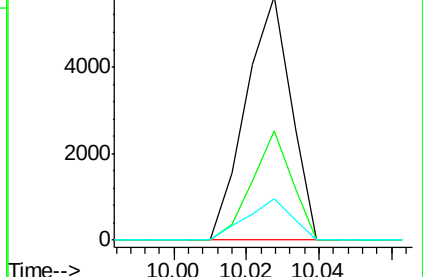
169 16.9 10.9 16.3#

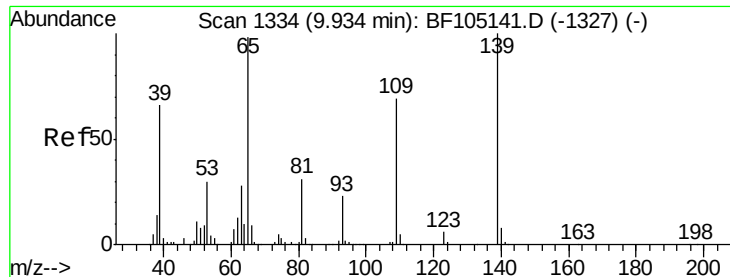


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

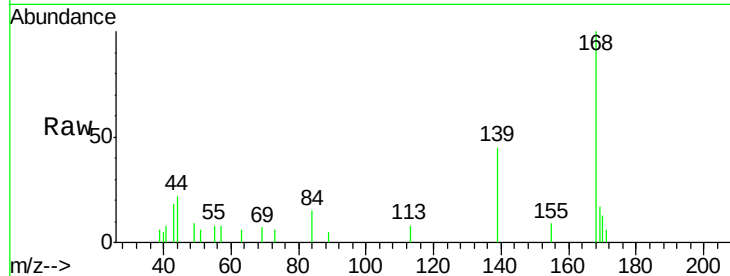




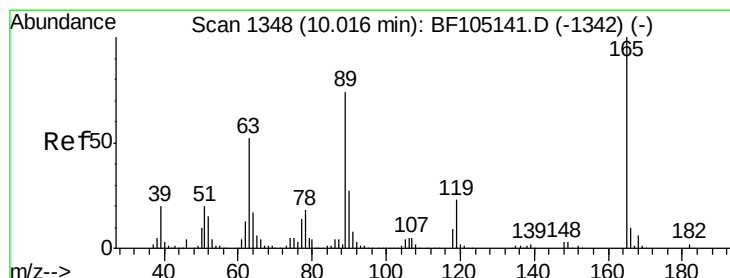
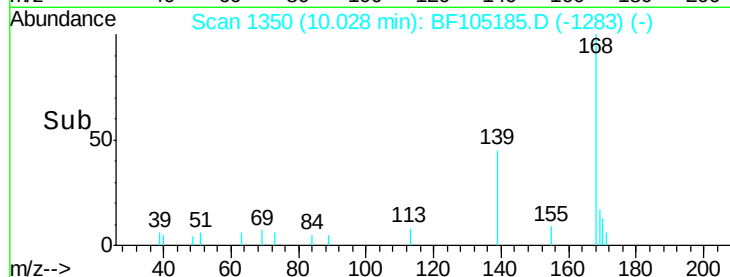
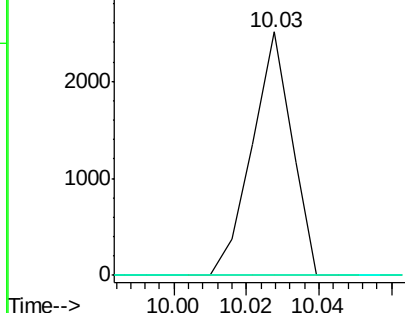
#55
4-Nitrophenol
Concen: 4.598 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.09 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1907
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

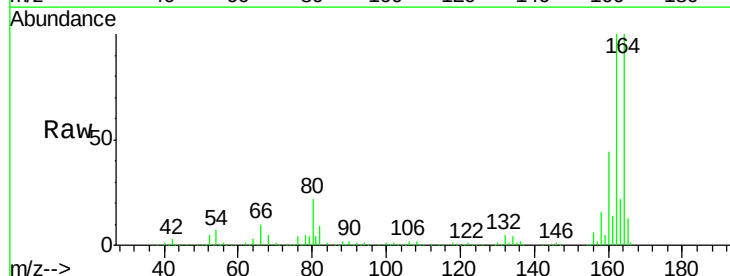


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

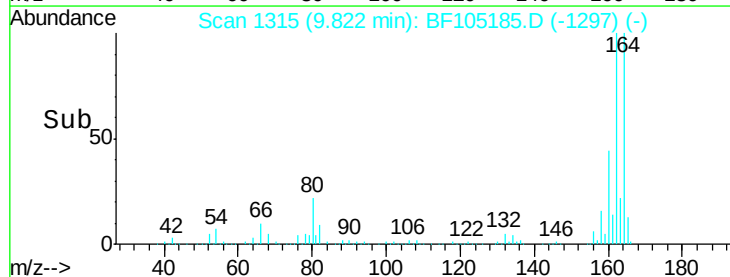
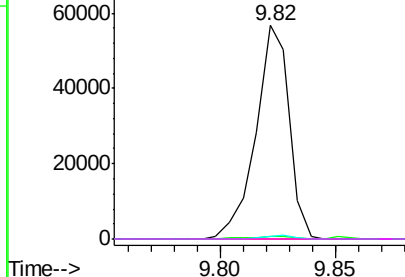


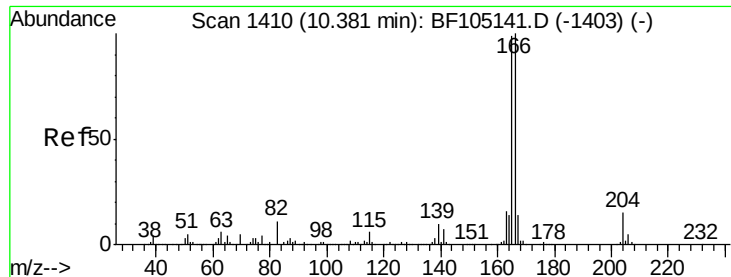
#56
2,4-Dinitrotoluene
Concen: 9.830 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.19 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion:165 Resp: 57167
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#



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
Ion 182.00 (181.70 to 182.70): E

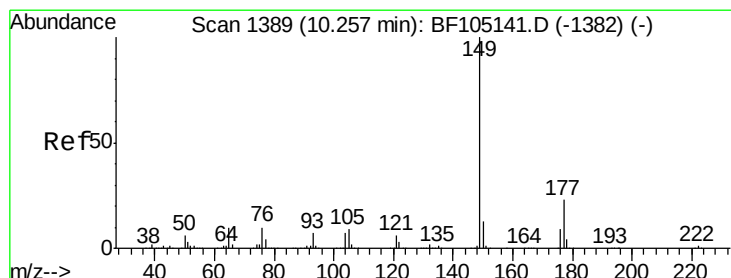
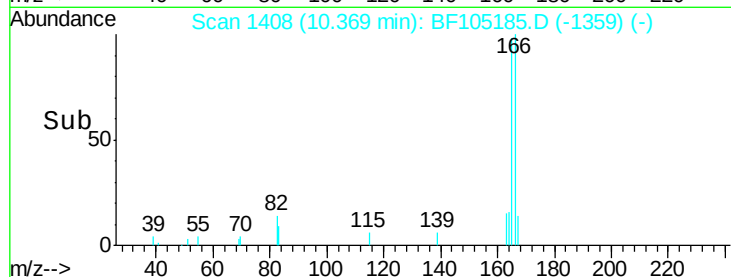
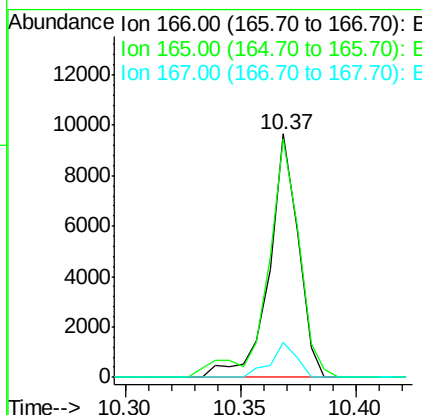
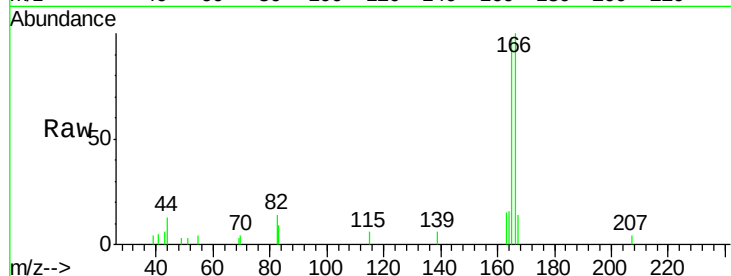




#57
 Fluorene
 Concen: 0.298 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

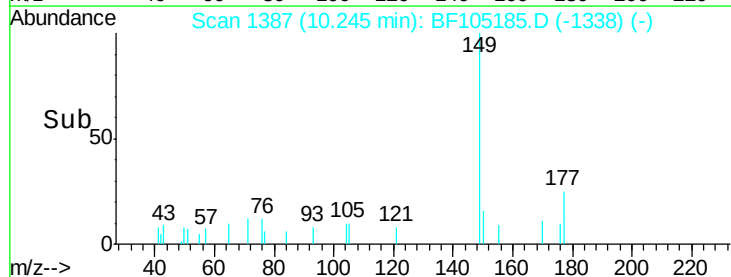
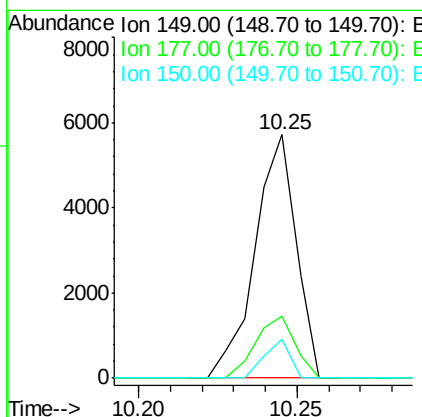
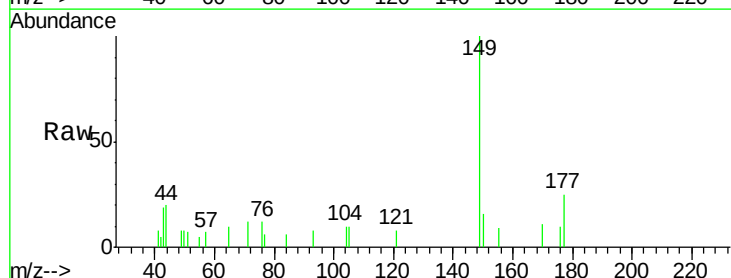
Instrument :
 BNA_F
 ClientSampleId :

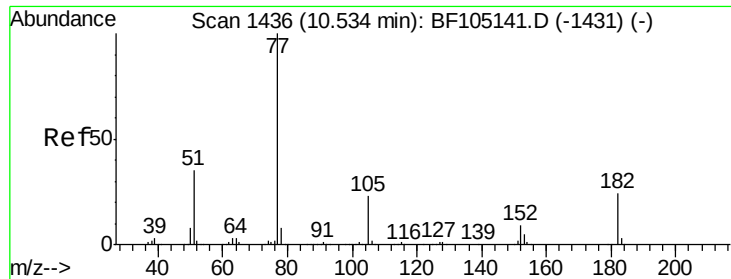
Tot Ion:166 Resp: 8441
 Ion Ratio Lower Upper
 166 100
 165 98.0 79.8 119.8
 167 14.2 10.6 16.0



#59
 Diethylphthalate
 Concen: 0.178 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Tgt Ion:149 Resp: 5160
 Ion Ratio Lower Upper
 149 100
 177 25.4 16.1 24.1#
 150 15.7 10.1 15.1#





#62

Azobenzene

Concen: 0.009 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 269

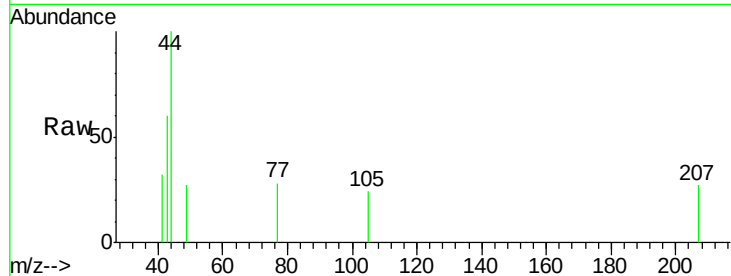
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 82.6 3.0 43.0#

51 0.0 9.9 49.9#

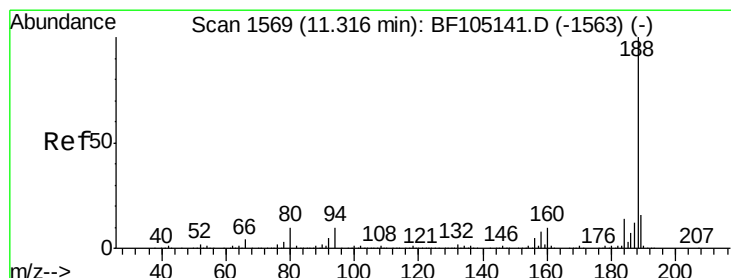
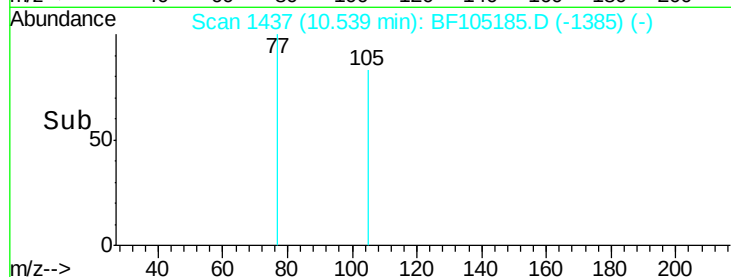
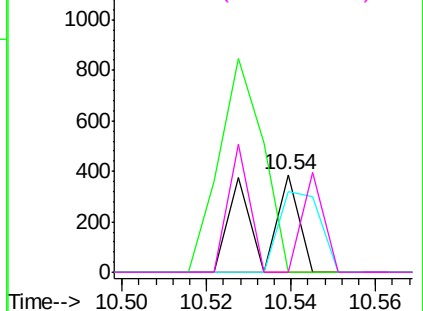


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

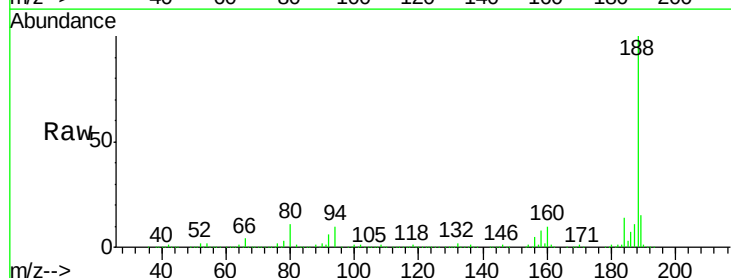
Tgt Ion: 188 Resp: 861637

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

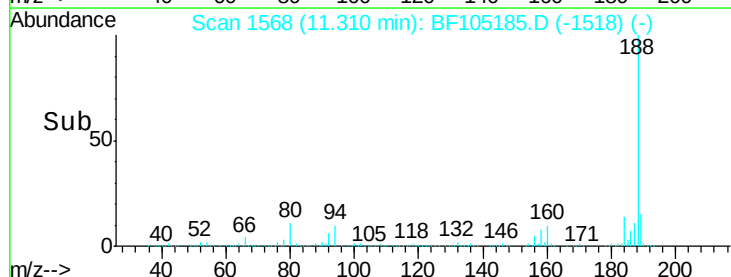
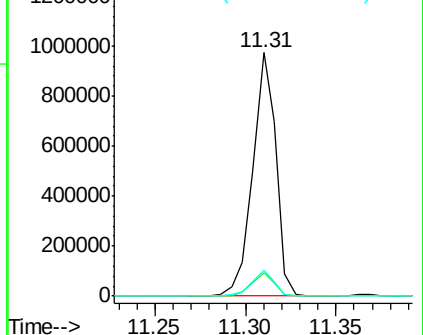
80 10.9 9.2 13.8

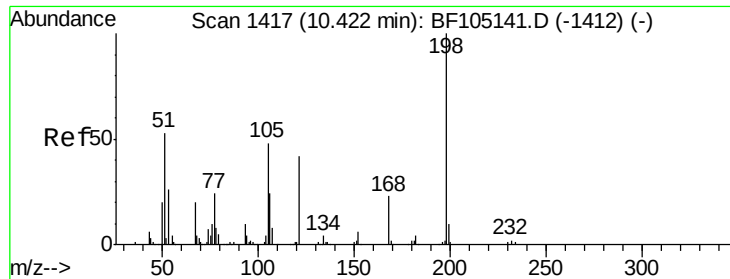


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

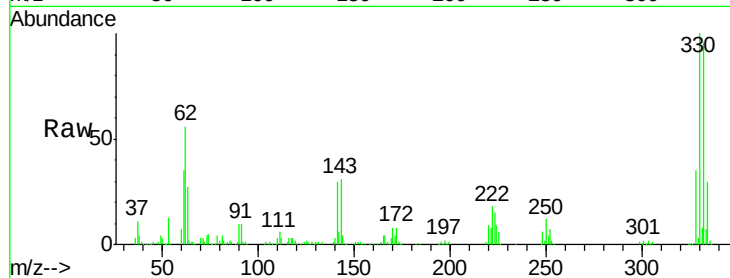




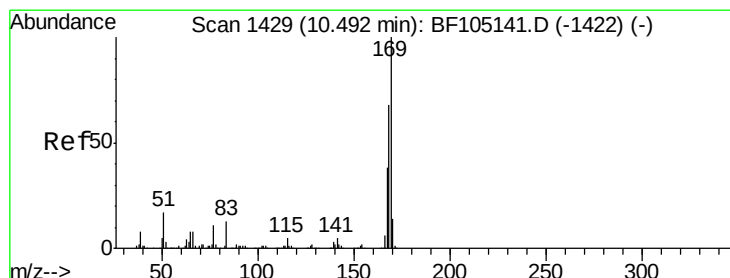
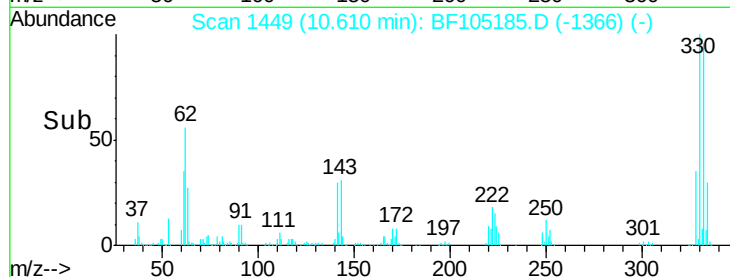
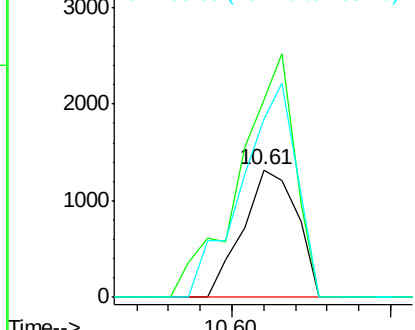
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.273 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.19 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 1561
 Ion Ratio Lower Upper
 198 100
 51 155.2 37.7 77.7#
 105 139.6 36.3 76.3#

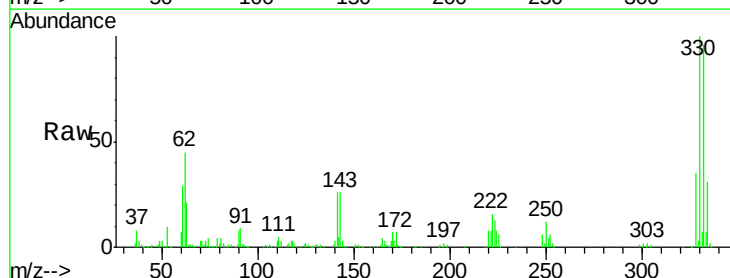


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

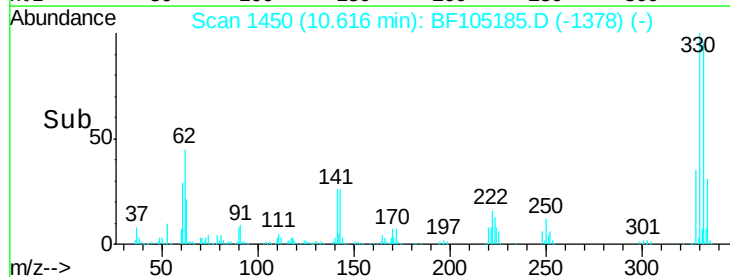
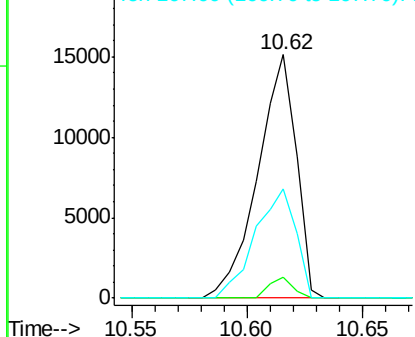


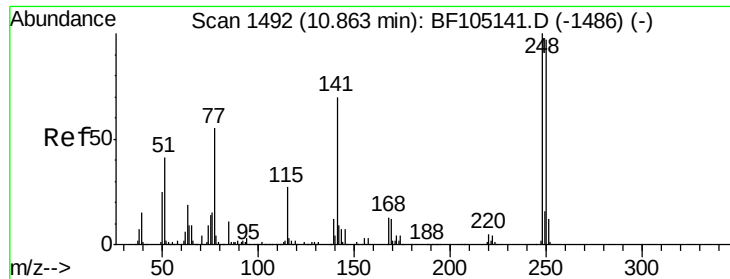
#65
 n-Nitrosodiphenylamine
 Concen: 0.652 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.12 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Tgt Ion:169 Resp: 17505
 Ion Ratio Lower Upper
 169 100
 168 8.5 54.4 81.6#
 167 45.0 29.8 44.6#



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

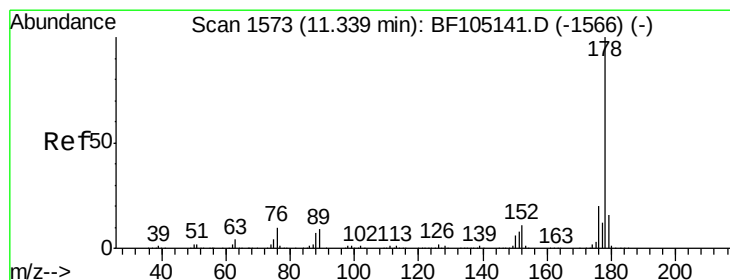
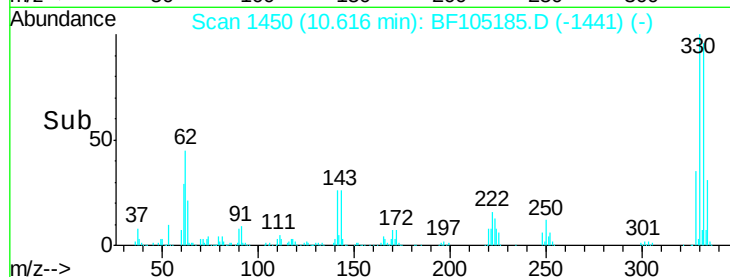
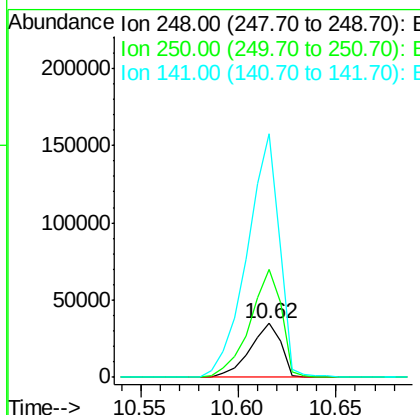
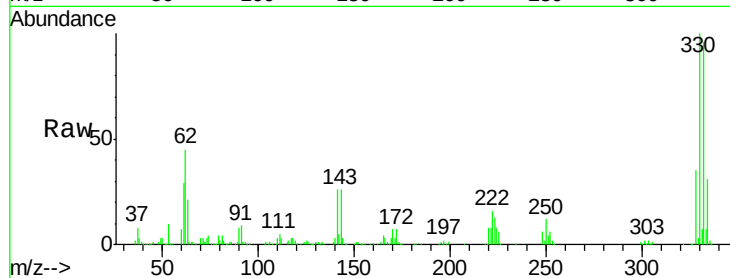




#66
4-Bromophenyl-phenylether
Concen: 4.242 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

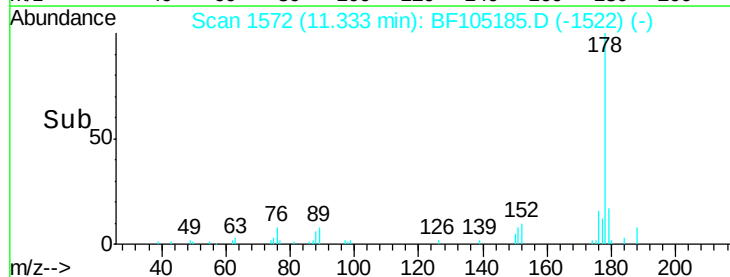
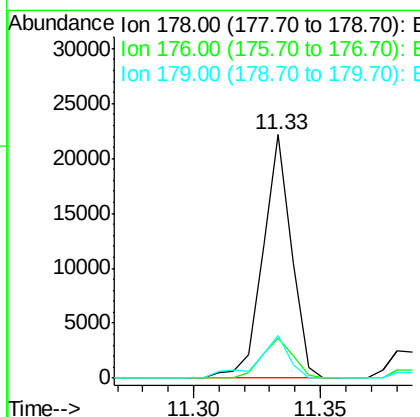
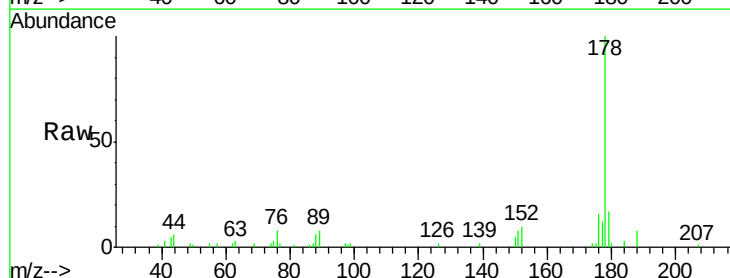
Instrument :
BNA_F
ClientSampleId :

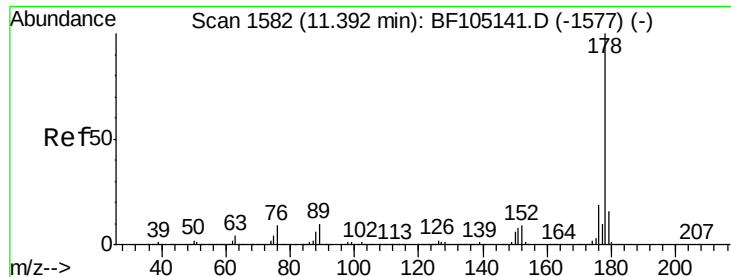
Tot Ion:248 Resp: 38983
Ion Ratio Lower Upper
248 100
250 198.3 76.9 115.3#
141 449.8 74.4 111.6#



#70
Phenanthrene
Concen: 0.380 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion:178 Resp: 17248
Ion Ratio Lower Upper
178 100
176 16.4 15.8 23.8
179 17.5 13.0 19.6





#71

Anthracene

Concen: 0.374 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.06 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

Instrument :

BNA_F

ClientSampleId :

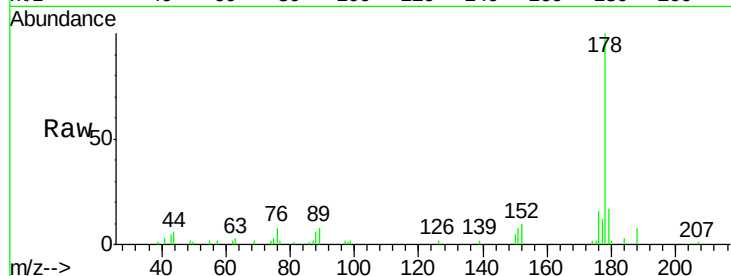
Tot Ion:178 Resp: 17248

Ion Ratio Lower Upper

178 100

176 16.4 15.4 23.2

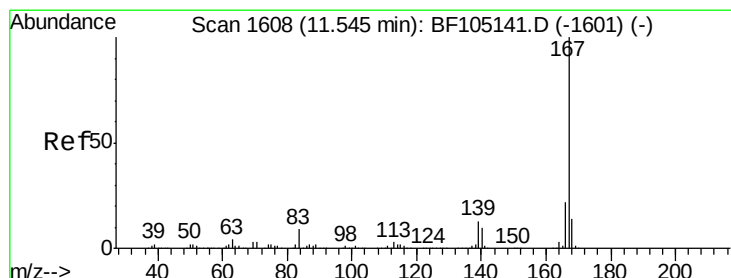
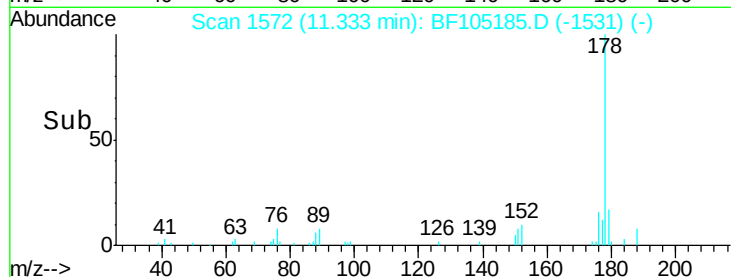
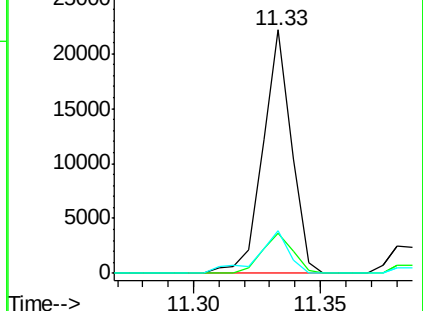
179 17.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 0.006 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

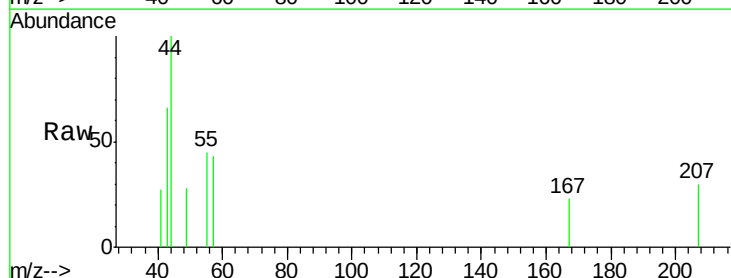
Tgt Ion:167 Resp: 231

Ion Ratio Lower Upper

167 100

166 0.0 17.6 26.4#

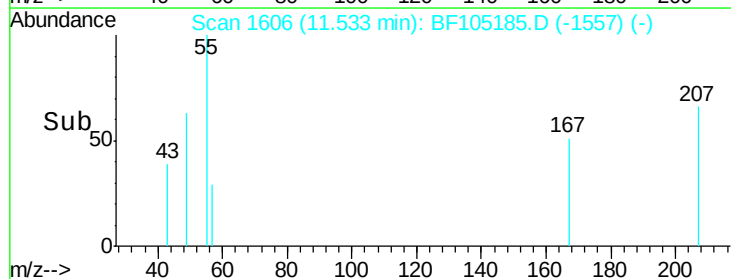
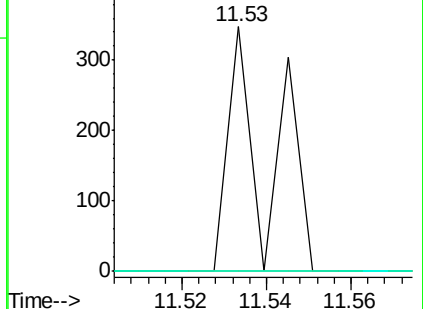
139 0.0 10.9 16.3#

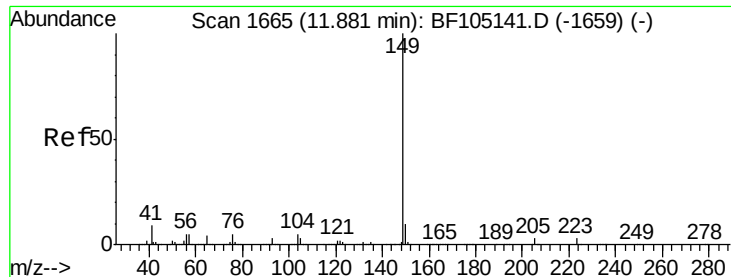


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.121 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF105185.D

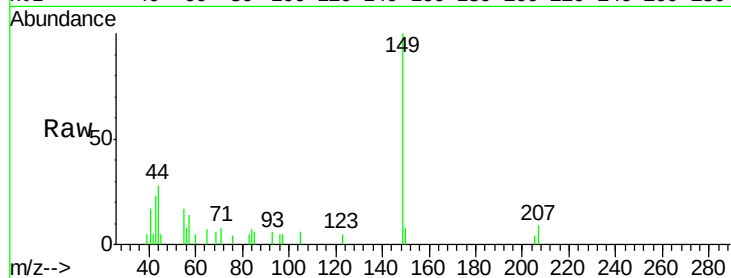
Acq: 9 May 2018 10:24

Instrument :

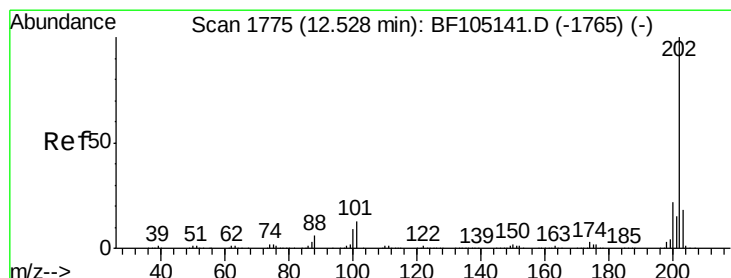
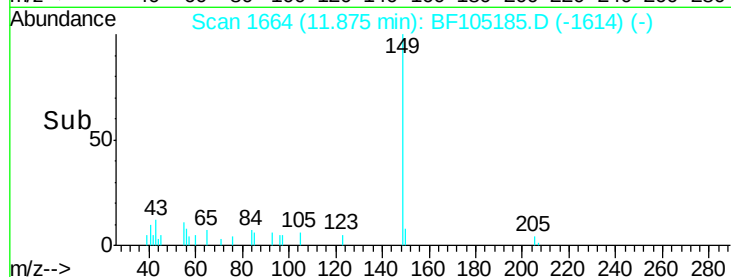
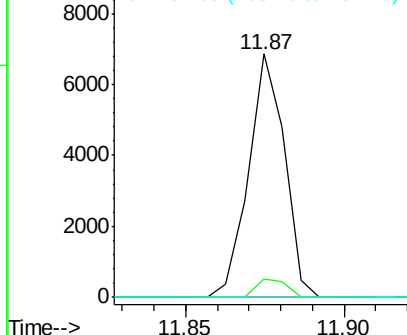
BNA_F

ClientSampleId :

Tot Ion:149	Resp:	5393
Ion Ratio	Lower	Upper
149	100	
150	7.8	7.8 11.6
104	0.0	3.8 5.8#



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: 0.033 ng

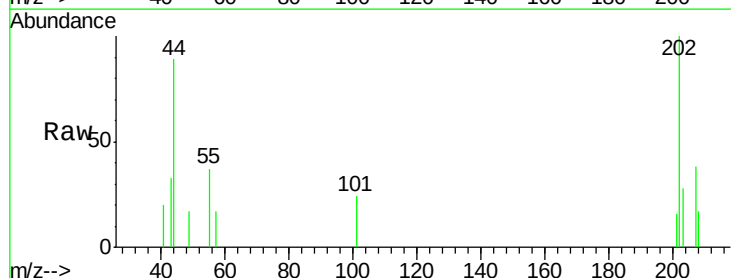
RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

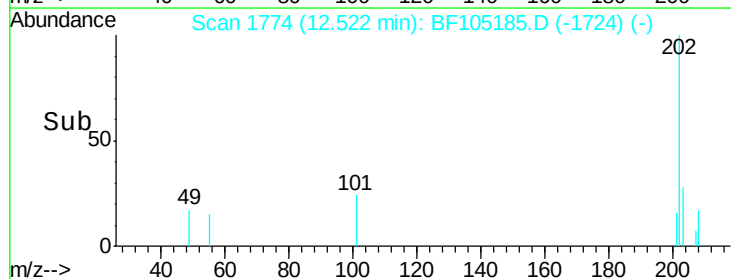
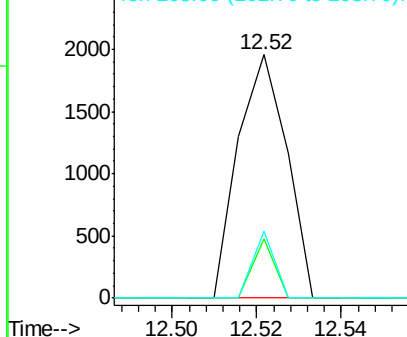
Lab File: BF105185.D

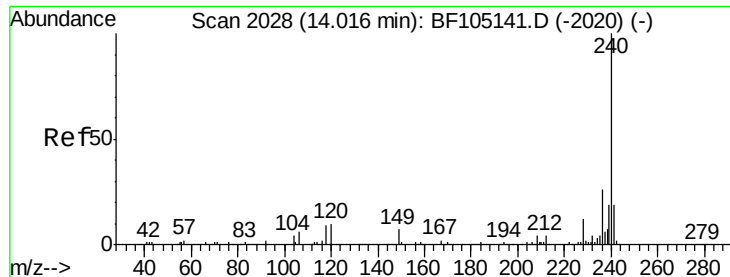
Acq: 9 May 2018 10:24

Tgt Ion:202	Resp:	1563
Ion Ratio	Lower	Upper
202	100	
101	24.3	0.0 34.1
203	27.5	0.0 38.1



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: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

Instrument :

BNA_F

ClientSampleId :

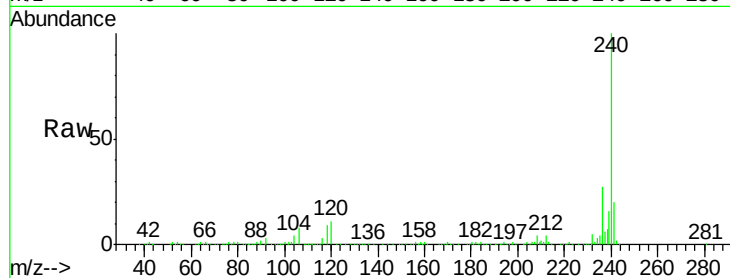
Tot Ion:240 Resp: 715764

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

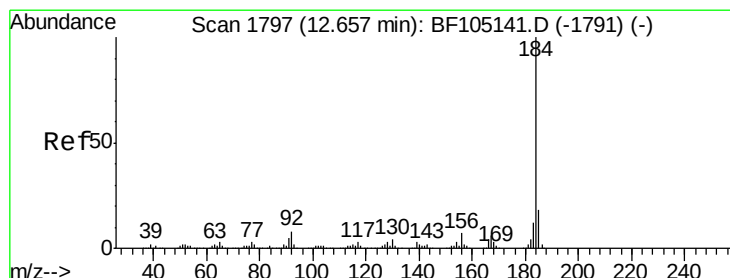
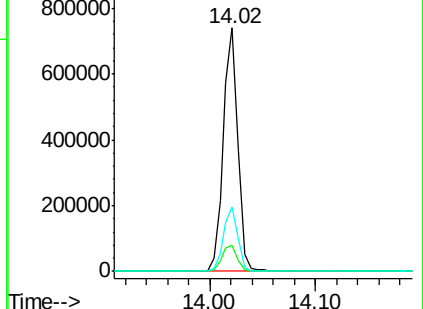
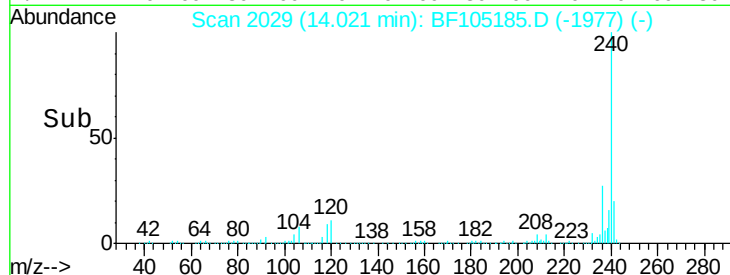
236 26.5 20.7 31.1



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: 1.244 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.26 min

Lab File: BF105185.D

Acq: 9 May 2018 10:24

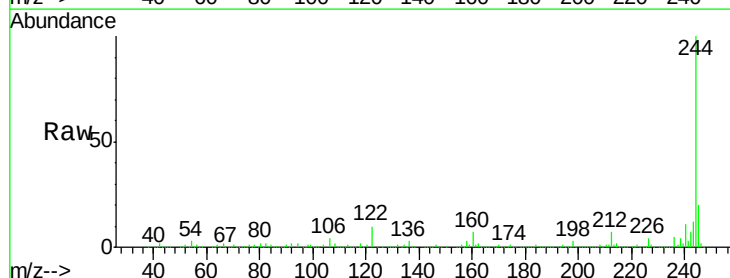
Tgt Ion:184 Resp: 33262

Ion Ratio Lower Upper

184 100

185 15.8 12.6 18.8

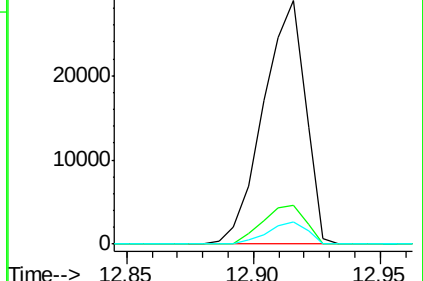
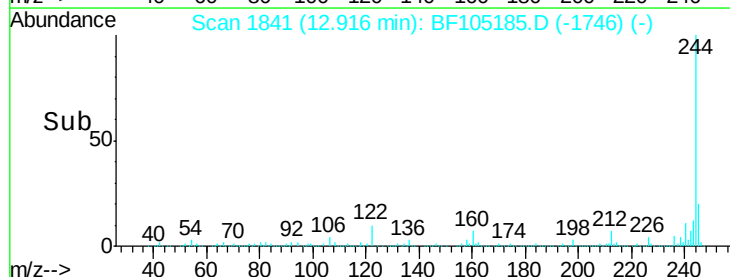
183 9.0 9.3 13.9#

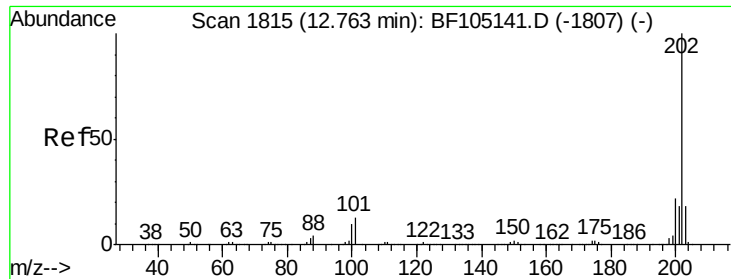


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

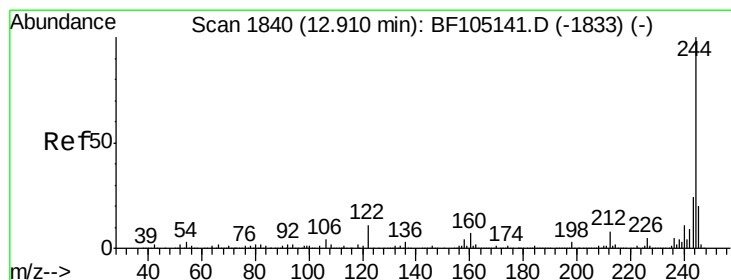
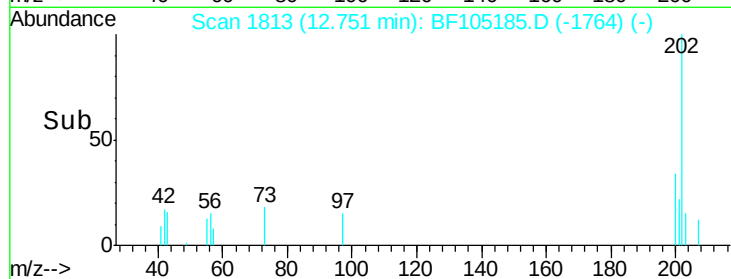
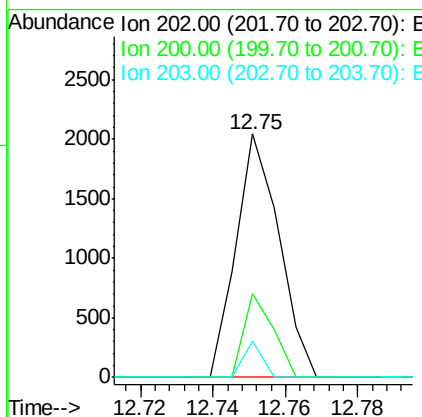
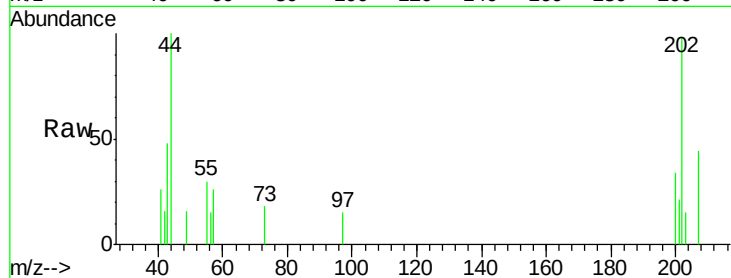




#77
 Pvrene
 Concen: 0.032 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

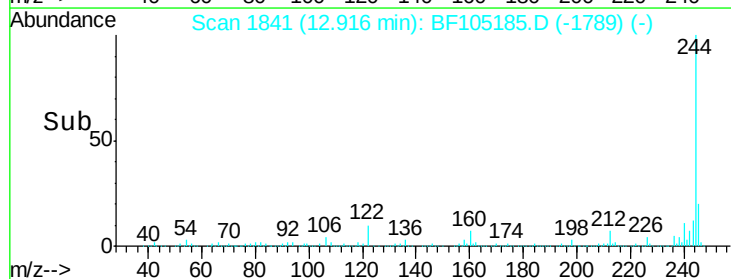
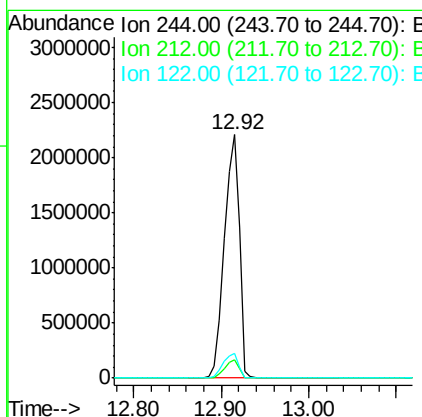
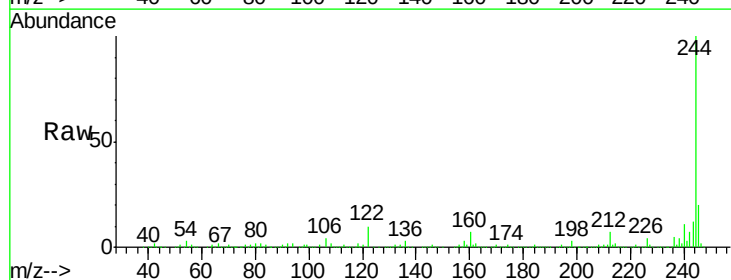
Instrument :
 BNA_F
 ClientSampled :

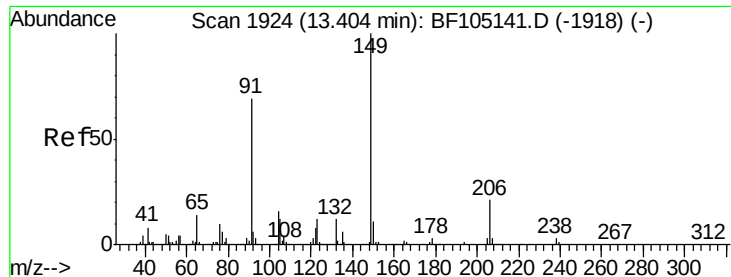
Tot Ion:202 Resp: 1684
 Ion Ratio Lower Upper
 202 100
 200 34.4 17.4 26.2#
 203 15.1 14.3 21.5



#78
 Terphenyl-d14
 Concen: 85.729 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.01 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Tgt Ion:244 Resp: 2641636
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 10.1 11.0 16.4#

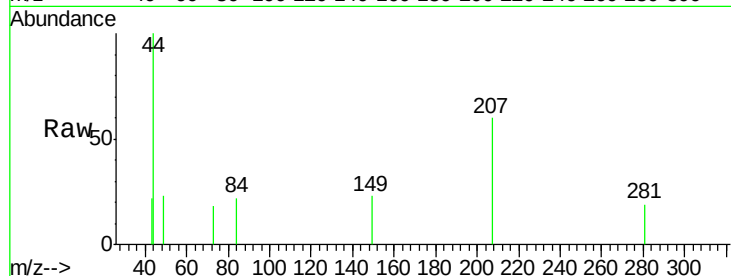




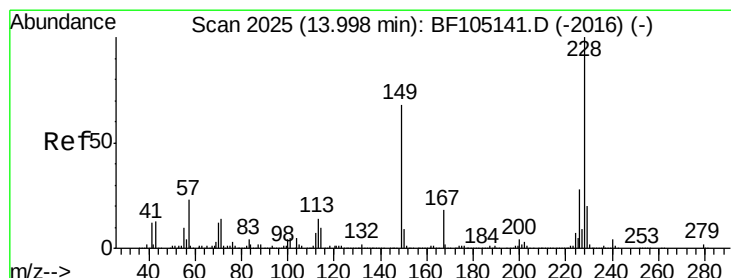
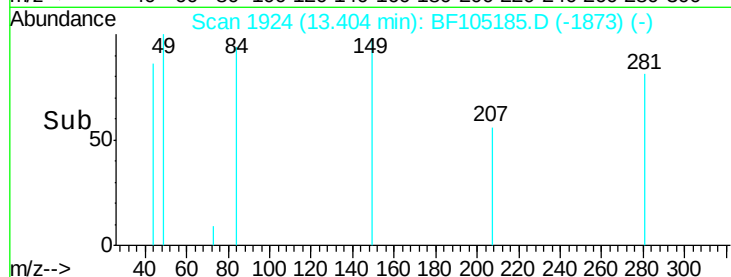
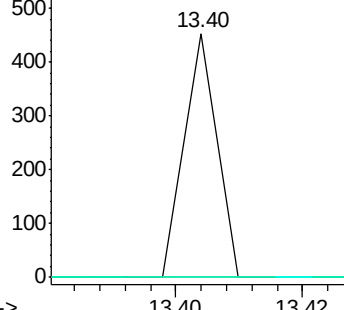
#79
Butylbenzylphthalate
Concen: 6.907 ng
RT: 13.40 min Scan# 1924
Delta R.T. 0.00 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	56.8	85.2#
206	0.0	14.1	21.1#

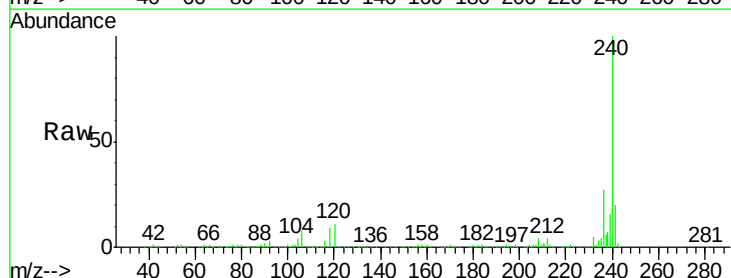


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

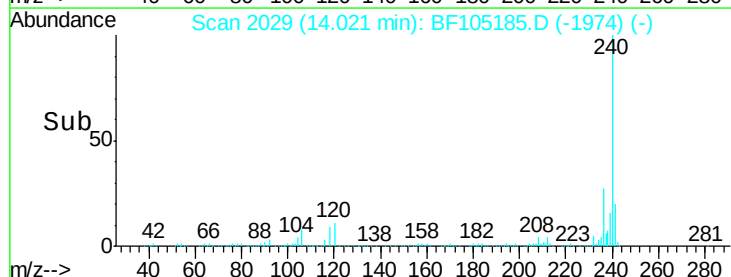
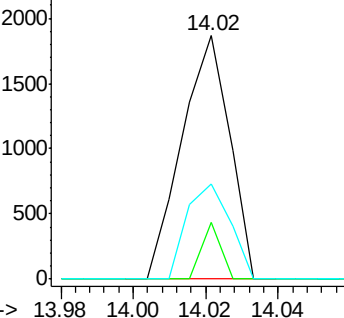


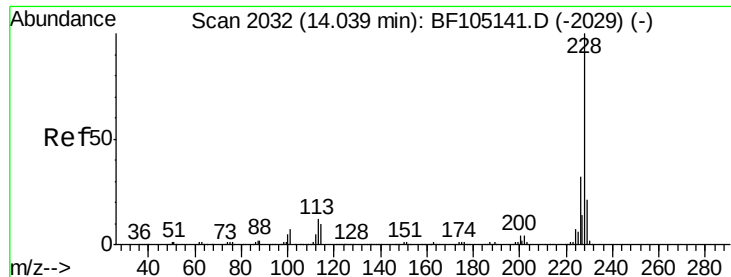
#80
Benzo(a)anthracene
Concen: 0.039 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.02 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	23.5	22.6	33.8
229	39.0	15.8	23.6#



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

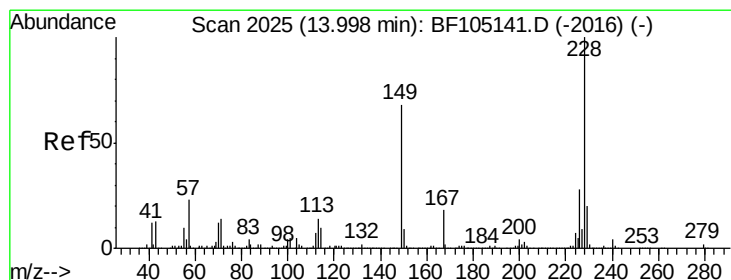
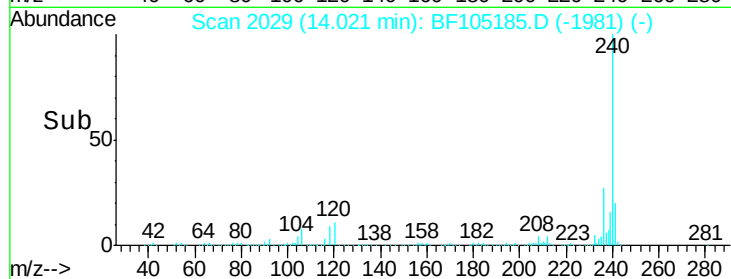
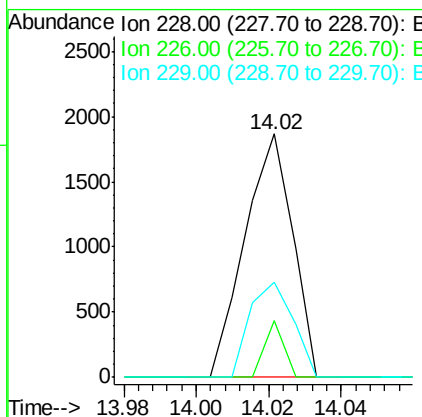
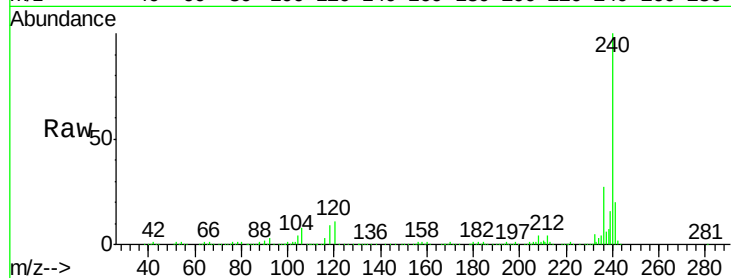




#82
 Chrysene
 Concen: 0.038 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.02 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

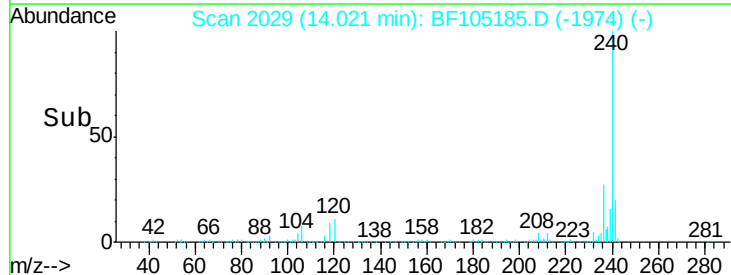
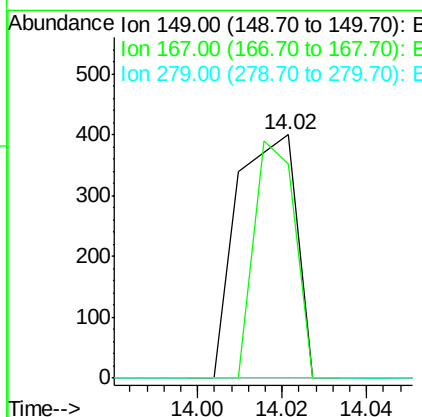
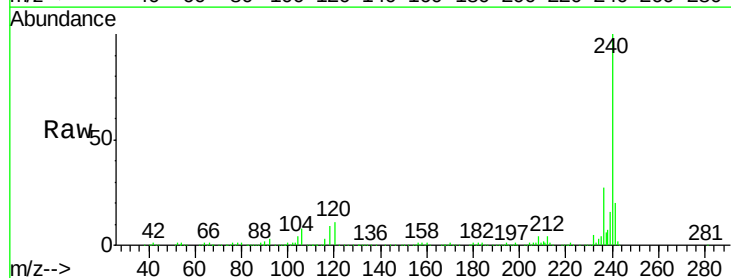
Instrument :
 BNA_F
 ClientSampleId :

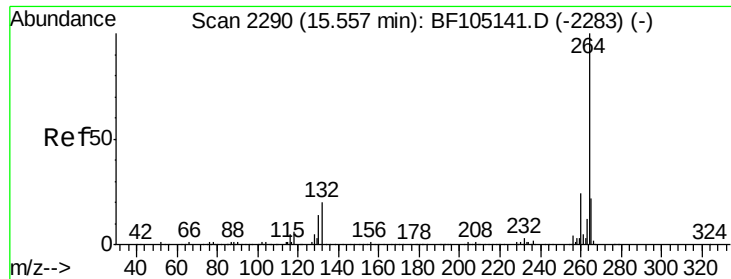
Tot Ion:228 Resp: 1703
 Ion Ratio Lower Upper
 228 100
 226 23.5 25.0 37.6#
 229 39.0 16.2 24.4#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.018 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.02 min
 Lab File: BF105185.D
 Acq: 9 May 2018 10:24

Tgt Ion:149 Resp: 392
 Ion Ratio Lower Upper
 149 100
 167 87.8 21.3 31.9#
 279 0.0 3.0 4.4#

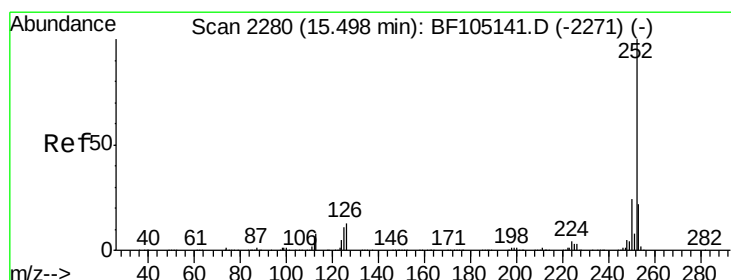
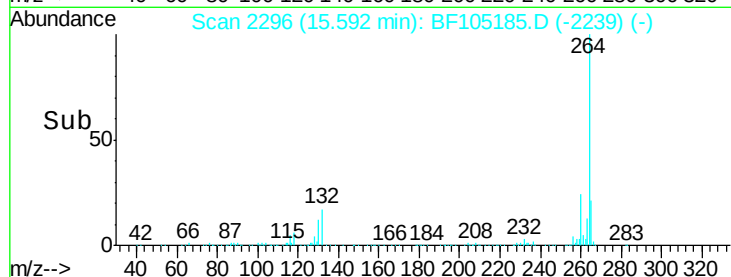
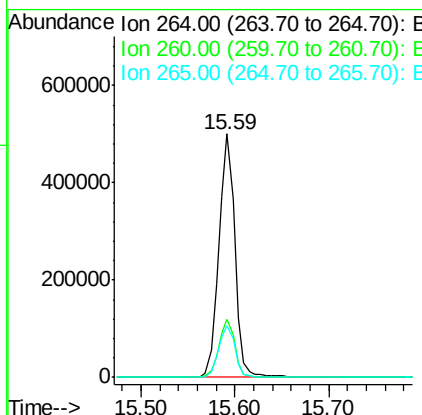
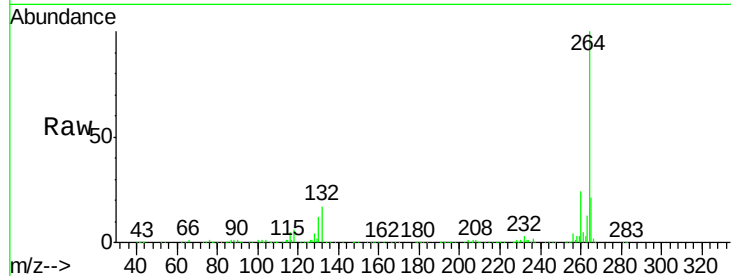




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.04 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 599020
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.0 17.5 26.3



#89
Benzo(a)pyrene
Concen: 0.053 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.09 min
Lab File: BF105185.D
Acq: 9 May 2018 10:24

Tgt Ion:252 Resp: 1767
Ion Ratio Lower Upper
252 100
253 33.9 17.1 25.7#
125 18.8 9.8 14.6#

