

Data Path : Z:\HPCHEM1\BNA F\Data\BF020318\
 Data File : BF102705.D
 Acq On : 3 Feb 2018 9:05
 Operator : SJ/JU
 Sample : SSTDICCC2.5
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 03 11:50:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 03 11:33:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.875	152	204533	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	869175	20.00	ng	0.00
38) Acenaphthene-d10	9.916	164	405054	20.00	ng	0.00
63) Phenanthrene-d10	11.398	188	731738	20.00	ng	0.00
75) Chrysene-d12	14.033	240	610431	20.00	ng	0.00
86) Perylene-d12	15.504	264	594951	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.475	112	69693	4.81	ng	-0.01
7) Phenol-d6	6.481	99	87391	5.06	ng	-0.02
23) Nitrobenzene-d5	7.428	82	32420	2.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.698	330	12512	3.54	ng	0.00
44) 2-Fluorobiphenyl	9.228	172	162496	6.27	ng	-0.01
78) Terphenyl-d14	12.974	244	152177	5.18	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.669	88	16222	2.24	ng	# 84
6) Aniline	6.534	93	62128	2.55	ng	98
8) 2-Chlorophenol	6.651	128	35933	2.47	ng	95
9) Benzaldehyde	6.422	77	31447	2.62	ng	94
10) Phenol	6.492	94	45661	2.34	ng	96
11) bis(2-Chloroethyl)ether	6.604	93	38373	2.58	ng	91
12) 1,3-Dichlorobenzene	6.816	146	44053	2.63	ng	98
13) 1,4-Dichlorobenzene	6.892	146	43795	2.62	ng	97
14) 1,2-Dichlorobenzene	7.045	146	42456	2.75	ng	96
15) Benzyl Alcohol	7.004	79	30902	2.44	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	69799	2.55	ng	96
17) 2-Methylphenol	7.110	107	32481	2.48	ng	99
18) Hexachloroethane	7.392	117	13500	2.29	ng	92
19) n-Nitroso-di-n-propyla...	7.275	70	28047	2.48	ng	# 91
20) 3+4-Methylphenols	7.263	107	41772	2.65	ng	94
22) Acetophenone	7.275	105	62429	2.98	ng	# 95
25) Isophorone	7.687	82	74311	2.54	ng	97
27) 2,4-Dimethylphenol	7.798	122	29821	2.40	ng	94
28) bis(2-Chloroethoxy)met...	7.898	93	44650	2.53	ng	97
29) 2,4-Dichlorophenol	8.004	162	23818	2.02	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	33818	2.74	ng	98
31) Naphthalene	8.181	128	121866	2.81	ng	98
33) 4-Chloroaniline	8.222	127	49133	2.65	ng	98
34) Hexachlorobutadiene	8.298	225	17506	2.68	ng	97
36) 4-Chloro-3-methylphenol	8.686	107	29106	2.25	ng	95
37) 2-Methylnaphthalene	8.869	142	78877	2.76	ng	97
39) 1,2,4,5-Tetrachloroben...	9.034	216	31531	2.75	ng	99
45) 1,1'-Biphenyl	9.334	154	100556	2.81	ng	97
46) 2-Chloronaphthalene	9.357	162	75437	2.72	ng	95
48) Acenaphthylene	9.775	152	117661	2.67	ng	98
49) Dimethylphthalate	9.622	163	85704	2.64	ng	99
51) Acenaphthene	9.945	154	71574	2.68	ng	99
54) Dibenzofuran	10.116	168	102814	2.80	ng	99
57) Fluorene	10.457	166	82095	3.24	ng	98

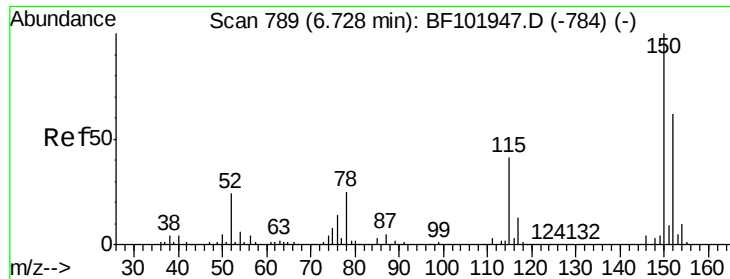
Data Path : Z:\HPCHEM1\BNA F\Data\BF020318\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Diethylphthalate	10.322	149	86252	2.67	nq	98
60) 4-Chlorophenyl-phenyle...	10.451	204	36444	3.37	nq	98
62) Azobenzene	10.610	77	88013	2.74	nq	97
65) n-Nitrosodiphenylamine	10.563	169	72100	2.63	nq	98
66) 4-Bromophenyl-phenylether	10.939	248	21119	2.73	nq	96
67) Hexachlorobenzene	11.004	284	23776	2.82	nq	93
68) Atrazine	11.086	200	18977	2.40	nq	98
70) Phenanthrene	11.422	178	120443	2.82	nq	98
71) Anthracene	11.469	178	120540	2.78	nq	96
72) Carbazole	11.622	167	118851	2.79	nq	100
73) Di-n-butylphthalate	11.957	149	127761	2.44	nq	98
74) Fluoranthene	12.604	202	120058	2.85	nq	98
77) Pyrene	12.833	202	124706	2.31	nq	97
80) Benzo(a)anthracene	14.021	228	105184	2.70	nq	97
81) 3,3'-Dichlorobenzidine	13.986	252	30190	2.09	nq	98
82) Chrysene	14.057	228	107545	2.65	nq	96
83) Bis(2-ethylhexyl)phtha...	14.010	149	65831	2.32	nq	# 99
85) Indeno(1,2,3-cd)pyrene	16.968	276	88722	3.00	nq	99
87) Benzo(b)fluoranthene	15.068	252	92492	2.38	nq	100
88) Benzo(k)fluoranthene	15.098	252	98514	2.63	nq	96
89) Benzo(a)pyrene	15.439	252	86393	2.47	nq	99
90) Dibenzo(a,h)anthracene	16.992	278	73420	2.64	nq	97
91) Benzo(g,h,i)perylene	17.415	276	71550	2.55	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.875 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

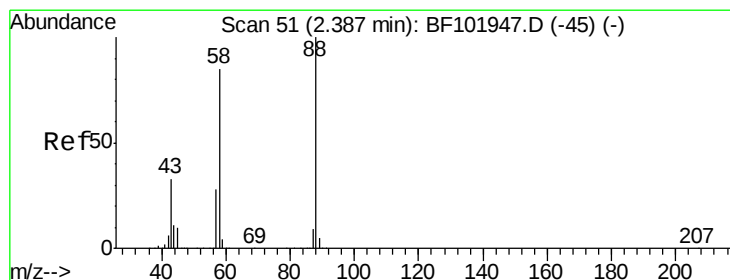
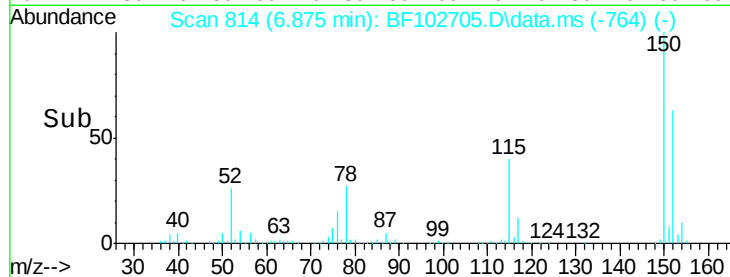
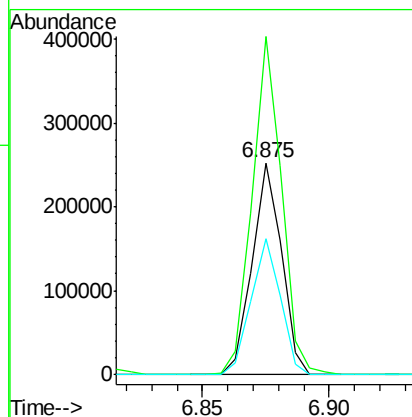
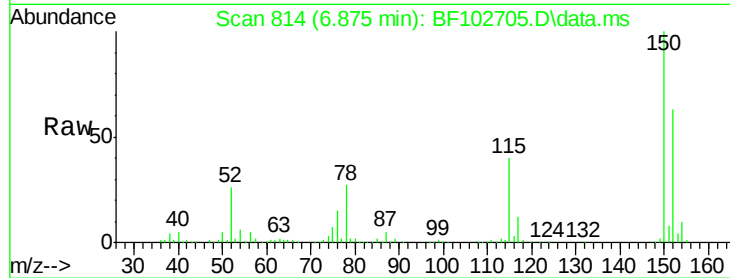
Tot Ion:152 Resp: 204533

Ion Ratio Lower Upper

152 100

150 159.8 124.6 186.8

115 64.4 50.1 75.1



#2

1,4-Dioxane

Concen: 2.24 ng

RT: 2.669 min Scan# 99

Delta R.T. 0.018 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

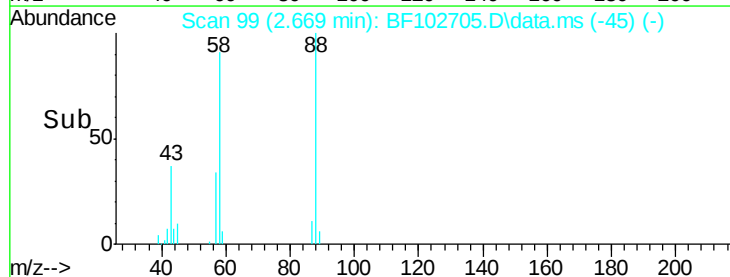
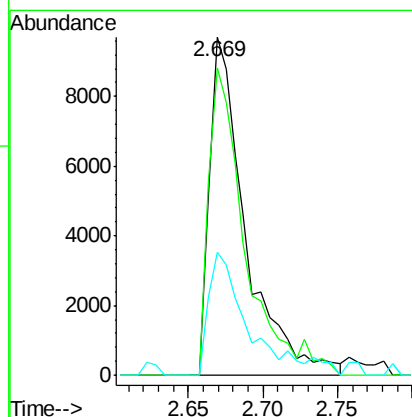
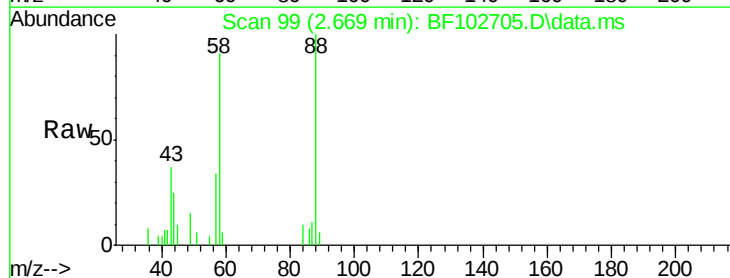
Tgt Ion: 88 Resp: 16222

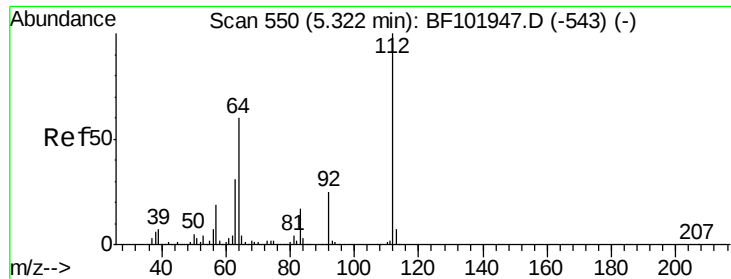
Ion Ratio Lower Upper

88 100

58 92.8 62.6 93.8

43 38.1 24.6 37.0#





#5

2-Fluorophenol

Concen: 4.81 ng

RT: 5.475 min Scan# 57

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

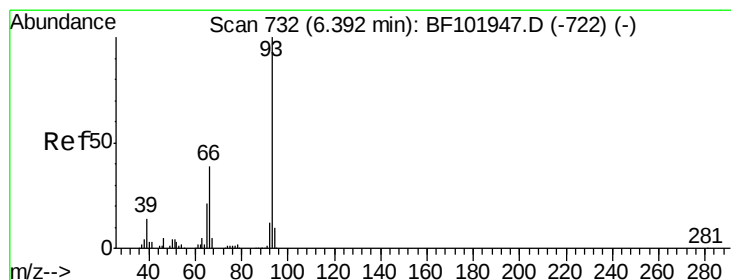
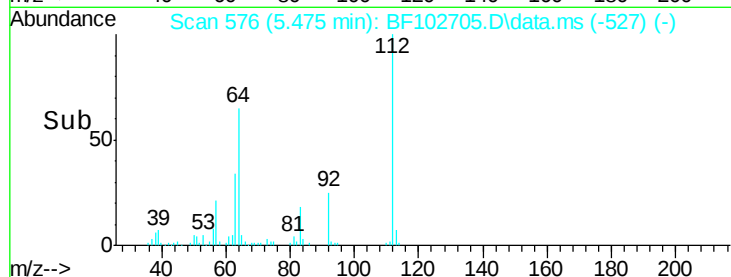
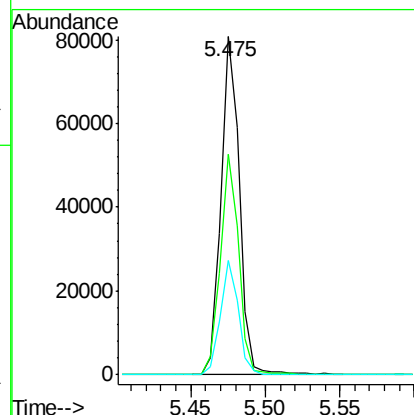
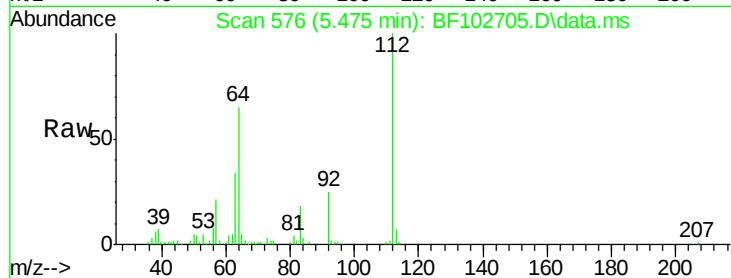
Tot Ion:112 Resp: 69693

Ion Ratio Lower Upper

112 100

64 65.1 47.9 71.9

63 33.6 23.7 35.5



#6

Aniline

Concen: 2.55 ng

RT: 6.534 min Scan# 756

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

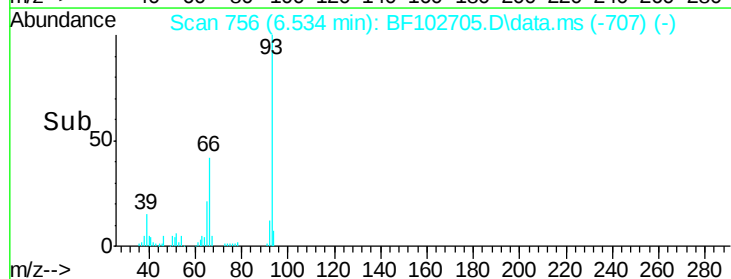
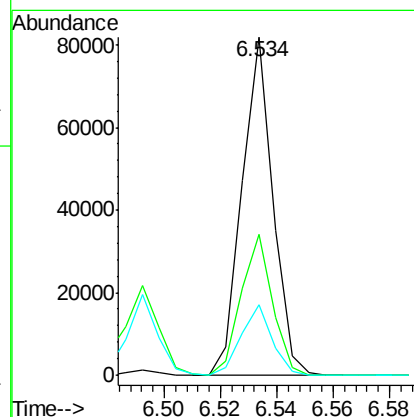
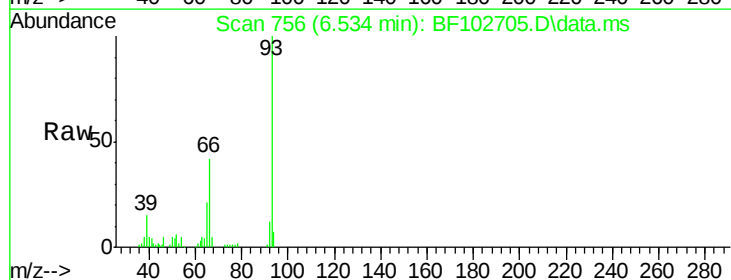
Tgt Ion: 93 Resp: 62128

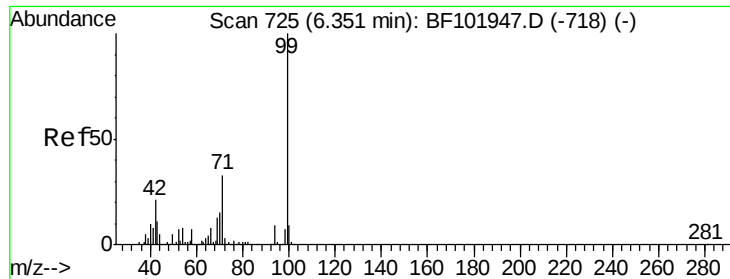
Ion Ratio Lower Upper

93 100

66 41.9 32.2 48.2

65 21.0 16.4 24.6





#7

Phenol-d6

Concen: 5.06 ng

RT: 6.481 min Scan# 74

Delta R.T. -0.017 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

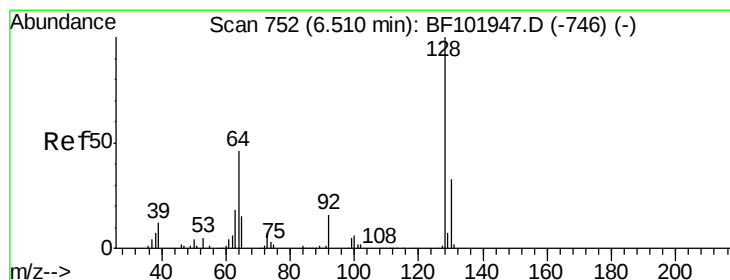
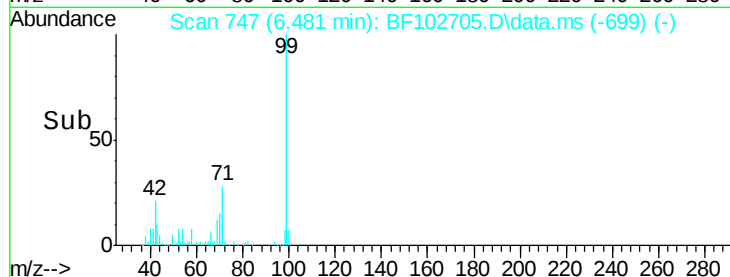
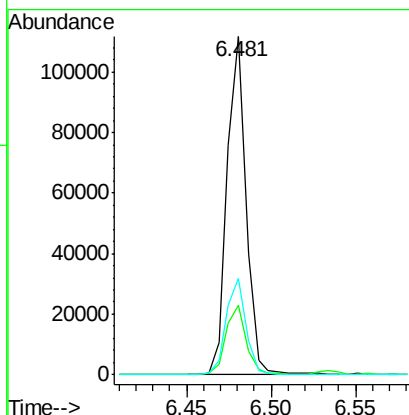
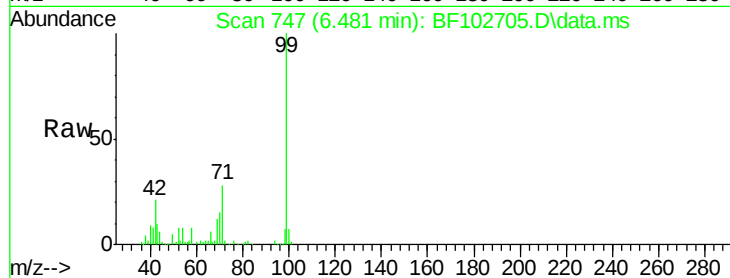
Tot Ion: 99 Resp: 87391

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

71 28.4 25.4 38.0



#8

2-Chlorophenol

Concen: 2.47 ng

RT: 6.651 min Scan# 776

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

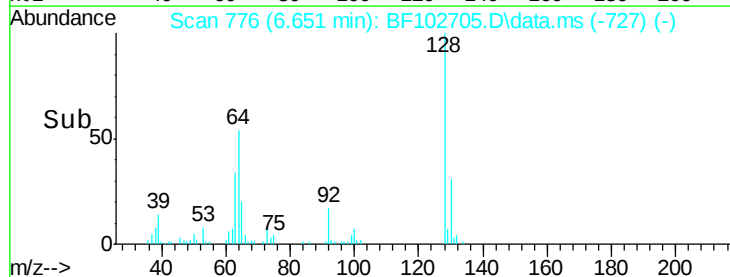
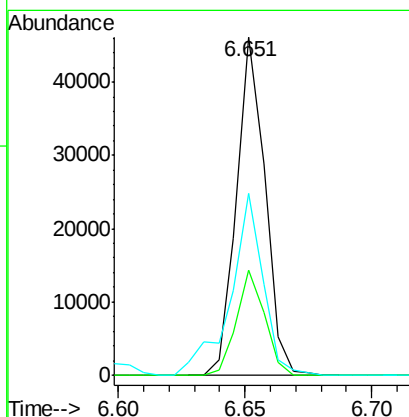
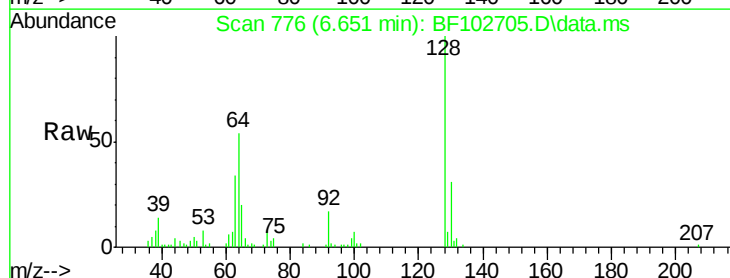
Tgt Ion: 128 Resp: 35933

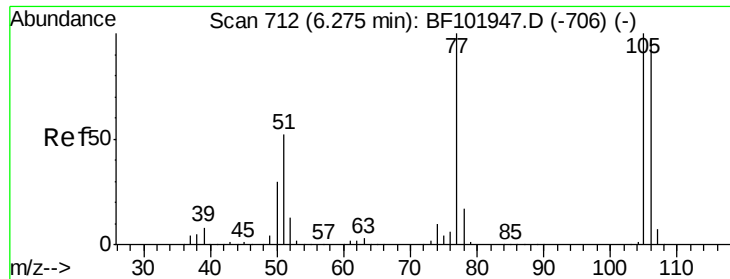
Ion Ratio Lower Upper

128 100

130 31.1 13.0 53.0

64 53.9 29.4 69.4

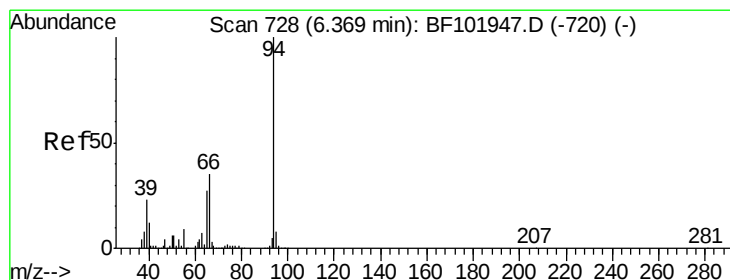
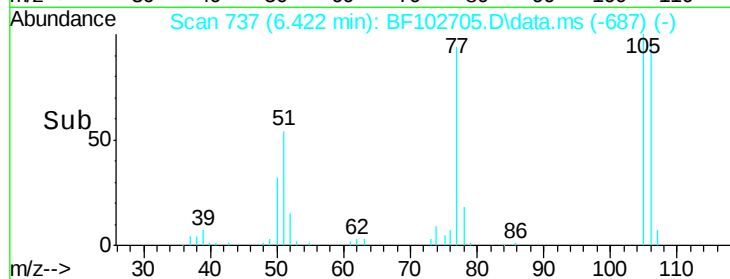
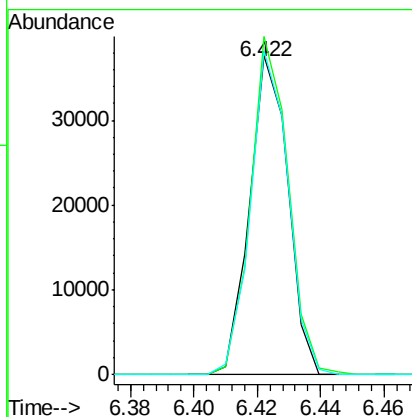
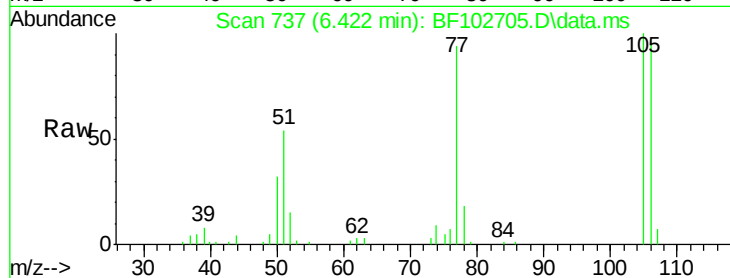




#9
Benzaldehyde
Concen: 2.62 ng
RT: 6.422 min Scan# 73
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

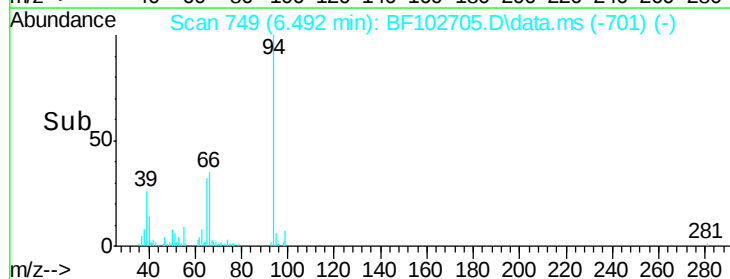
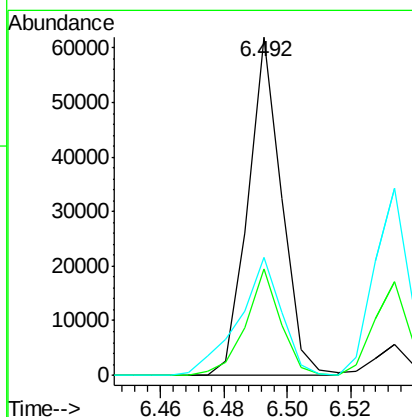
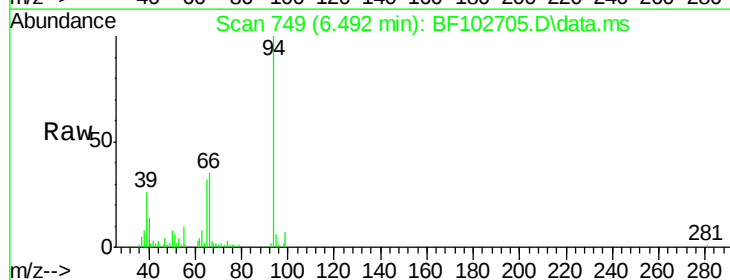
Instrument :
BNA_F
ClientSampled :

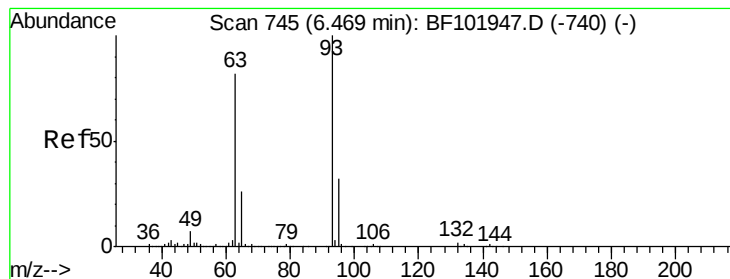
Tot Ion	Ratio	Lower	Upper
77	100		
105	106.2	81.1	121.1
106	101.7	74.5	114.5



#10
Phenol
Concen: 2.34 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.017 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.6	7.9	47.9
66	35.0	16.2	56.2





#11

bis(2-Chloroethyl)ether

Concen: 2.58 ng

RT: 6.604 min Scan# 76

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

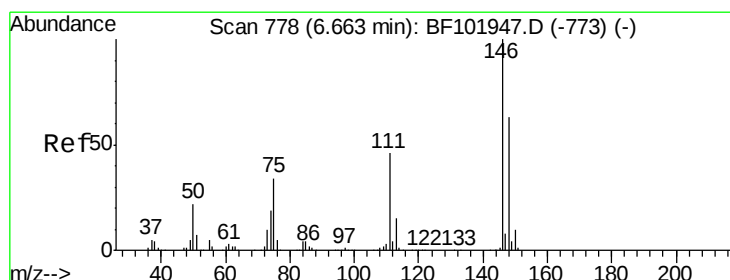
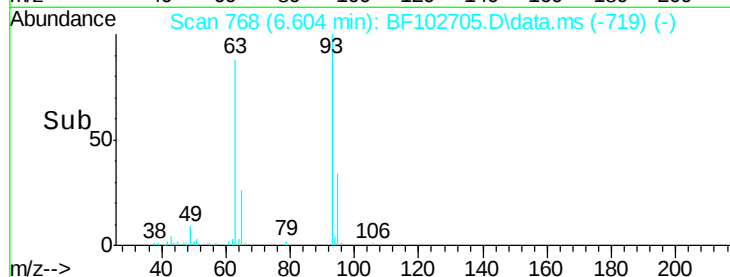
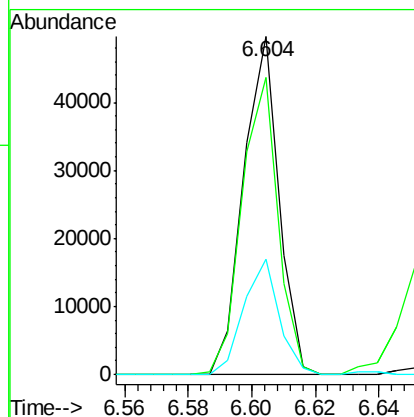
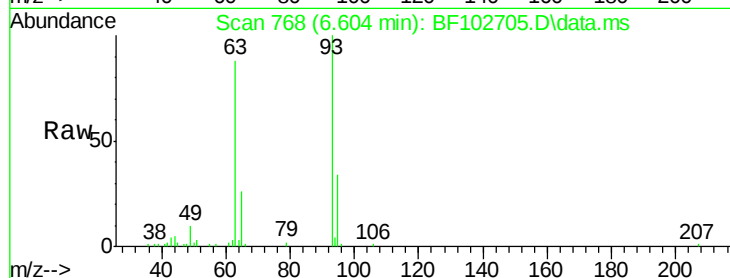
Tot Ion: 93 Resp: 38373

Ion Ratio Lower Upper

93 100

63 87.9 58.6 98.6

95 34.1 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 2.63 ng

RT: 6.816 min Scan# 804

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

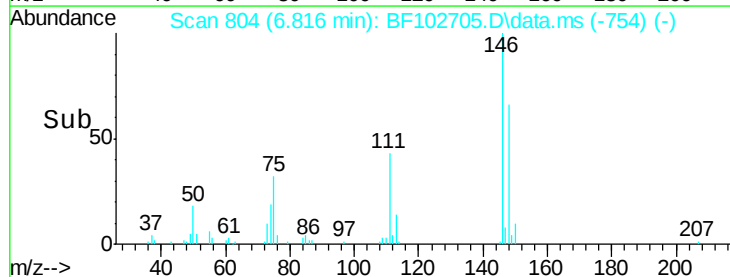
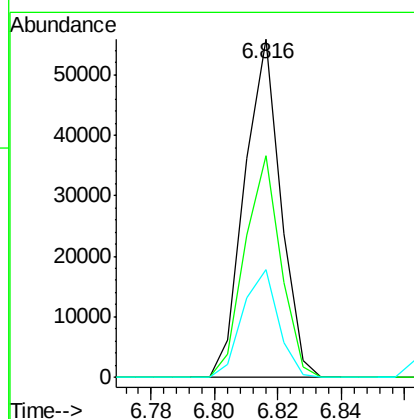
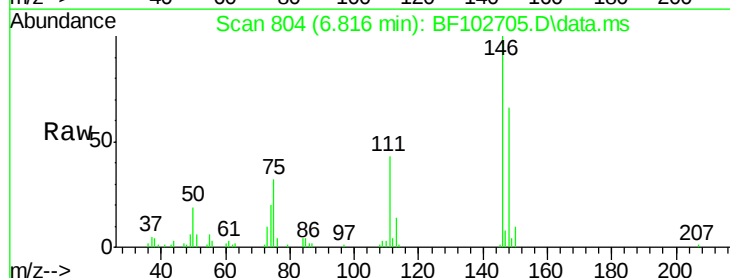
Tgt Ion: 146 Resp: 44053

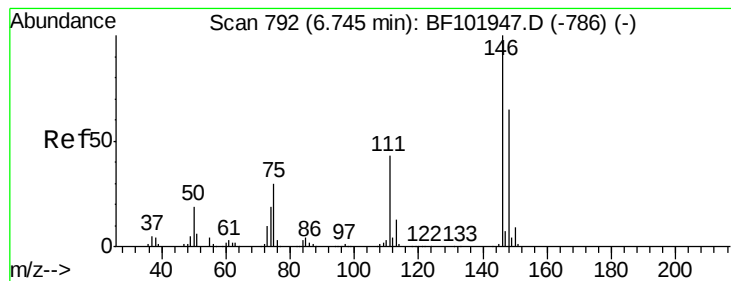
Ion Ratio Lower Upper

146 100

148 65.6 51.8 77.8

75 31.7 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 2.62 ng

RT: 6.892 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

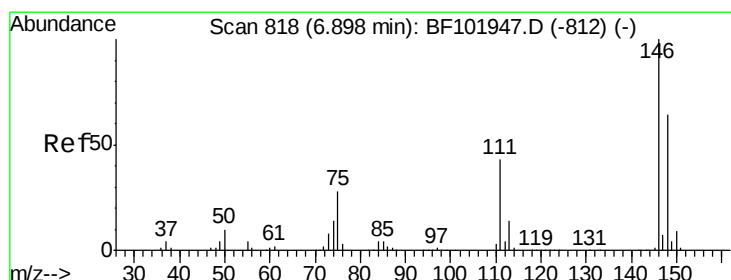
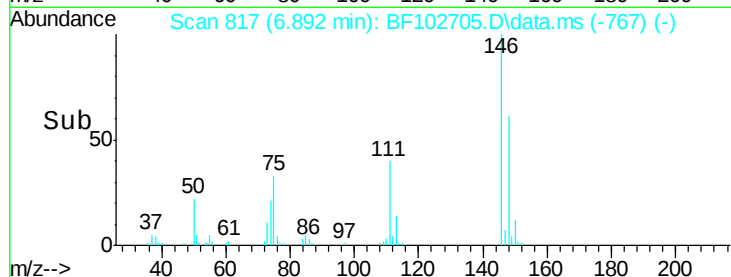
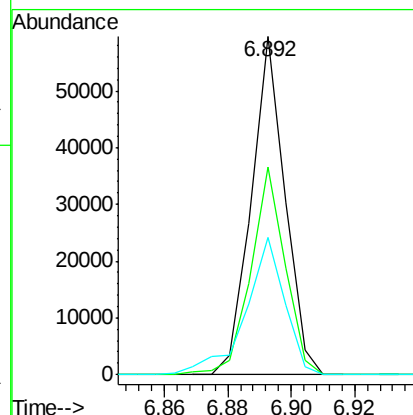
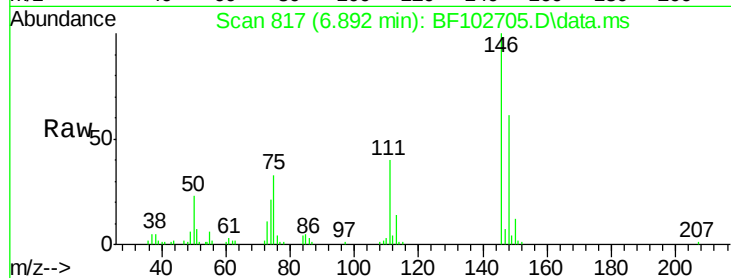
Tot Ion:146 Resp: 43795

Ion Ratio Lower Upper

146 100

148 61.4 50.8 76.2

111 40.5 34.2 51.2



#14

1,2-Dichlorobenzene

Concen: 2.75 ng

RT: 7.045 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

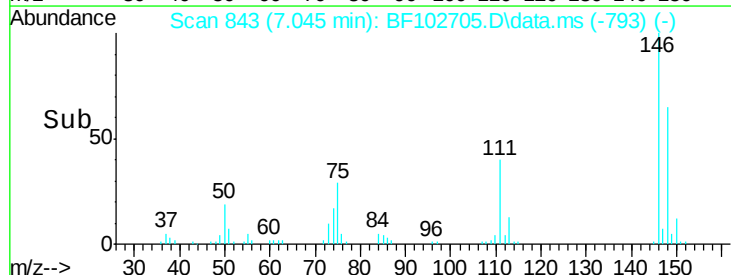
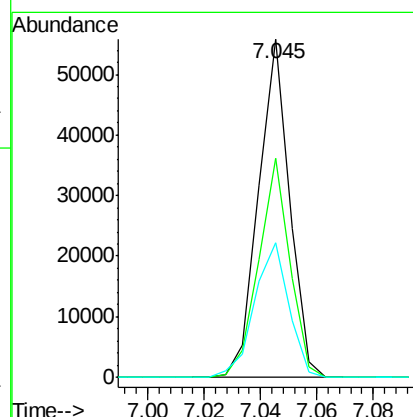
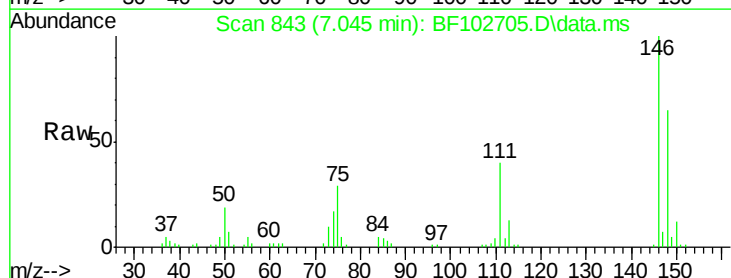
Tgt Ion:146 Resp: 42456

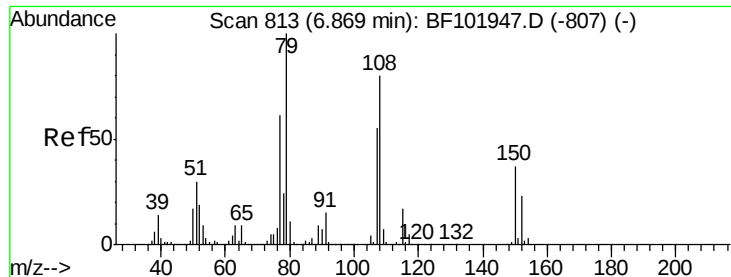
Ion Ratio Lower Upper

146 100

148 64.6 50.6 75.8

111 39.7 36.0 54.0





#15

Benzyl Alcohol

Concen: 2.44 ng

RT: 7.004 min Scan# 83

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

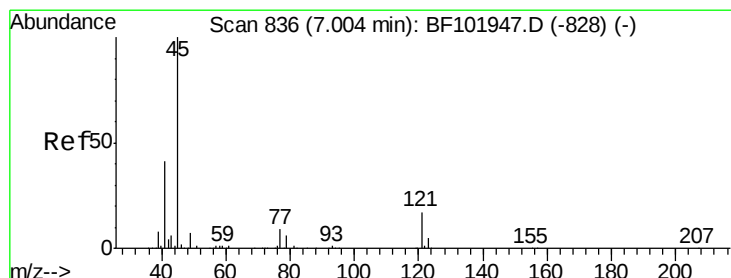
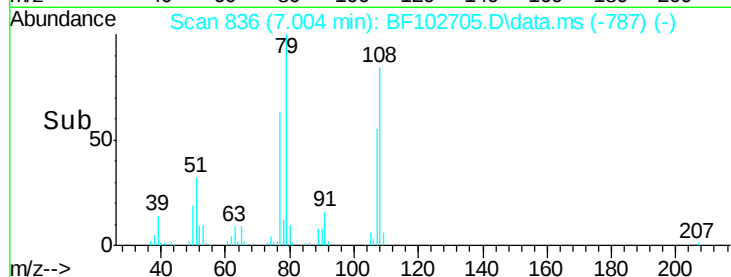
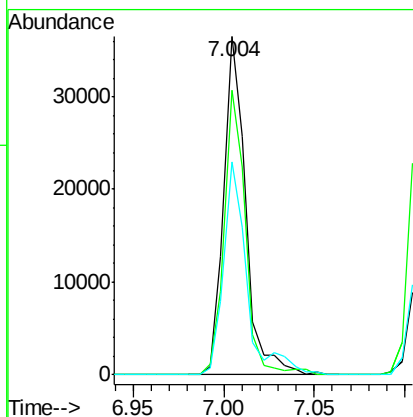
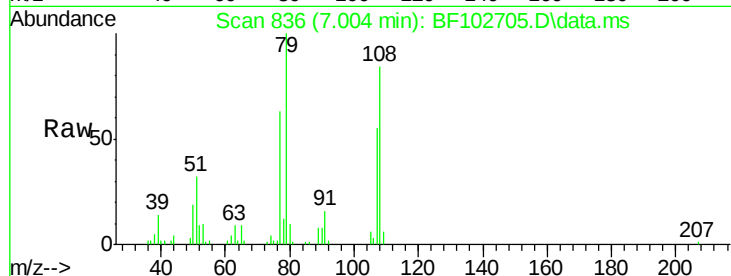
Tot Ion: 79 Resp: 30902

Ion Ratio Lower Upper

79 100

108 83.9 65.1 97.7

77 63.1 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 2.55 ng

RT: 7.145 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

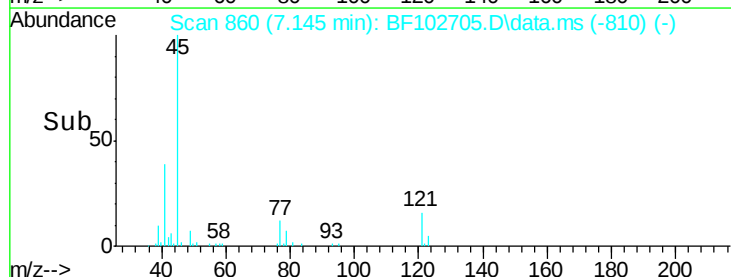
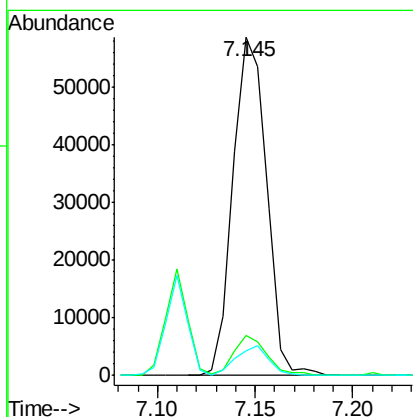
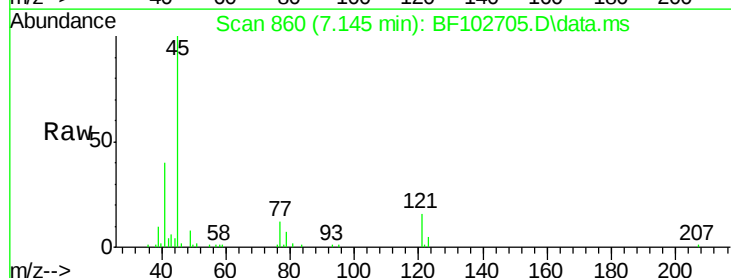
Tgt Ion: 45 Resp: 69799

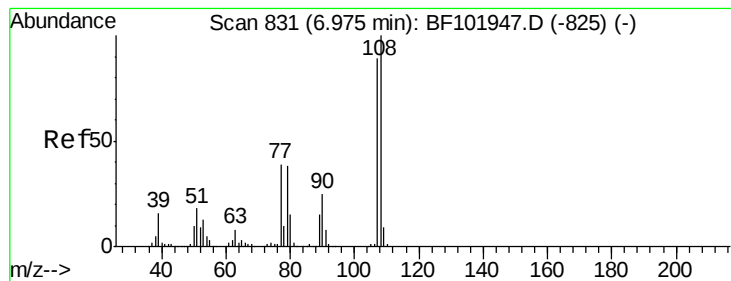
Ion Ratio Lower Upper

45 100

77 11.6 0.0 32.9

79 7.4 0.0 29.6





#17

2-Methylphenol

Concen: 2.48 ng

RT: 7.110 min Scan# 85

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 32481

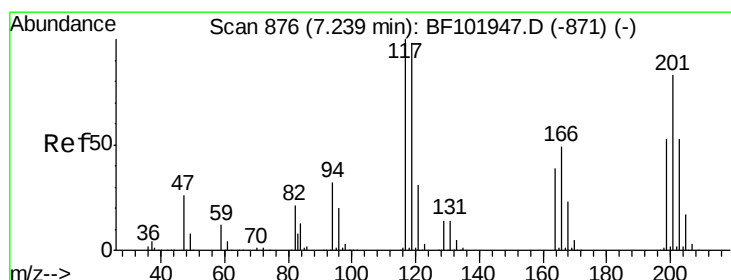
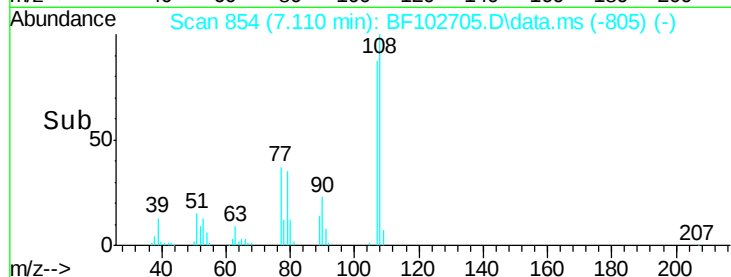
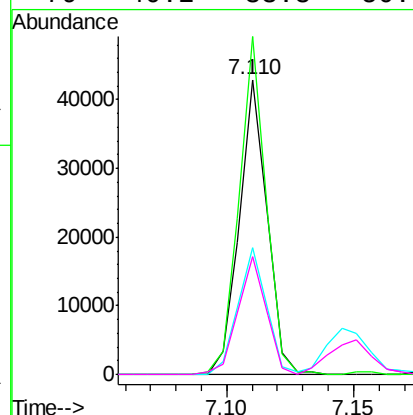
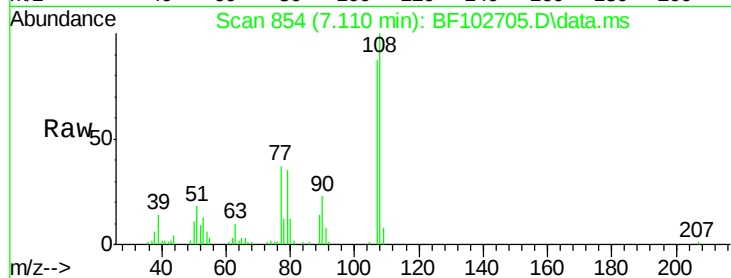
Ion Ratio Lower Upper

107 100

108 114.7 91.7 137.5

77 42.9 33.8 50.8

79 40.2 33.8 50.8



#18

Hexachloroethane

Concen: 2.29 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.000 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

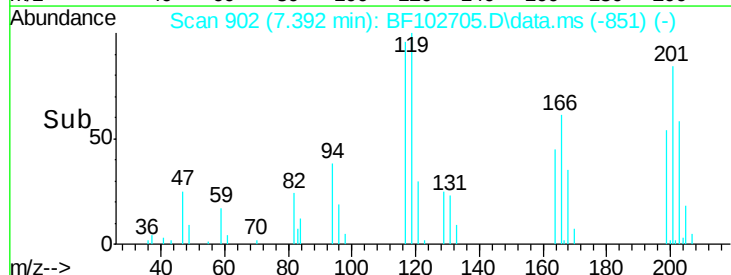
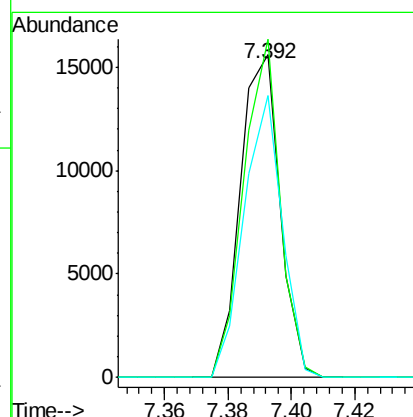
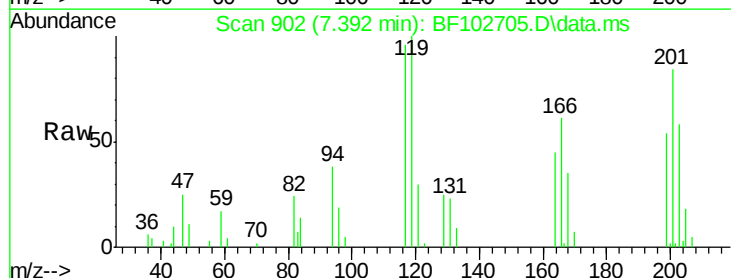
Tgt Ion:117 Resp: 13500

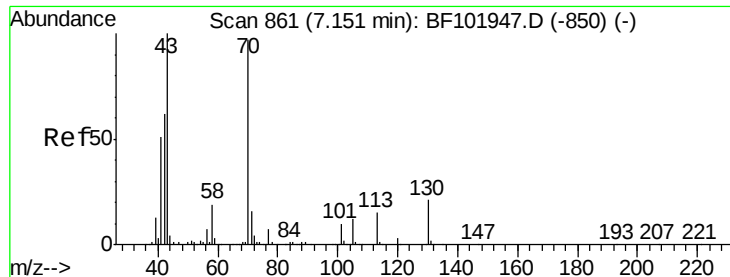
Ion Ratio Lower Upper

117 100

119 104.6 75.8 113.8

201 89.4 75.7 113.5

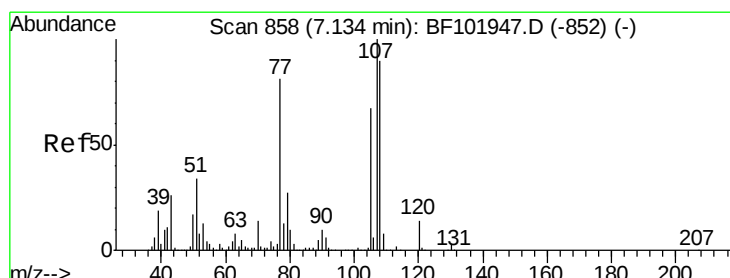
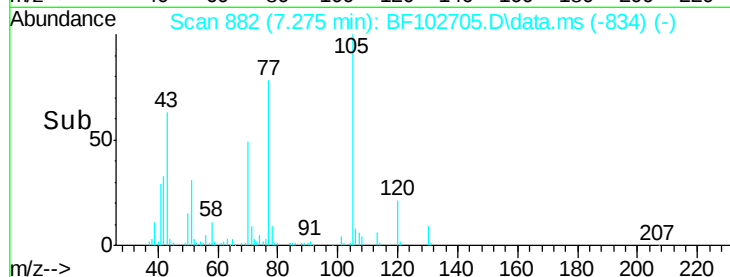
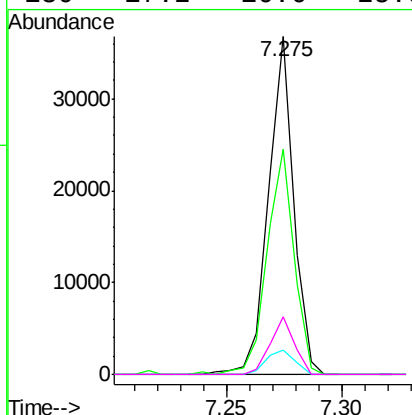
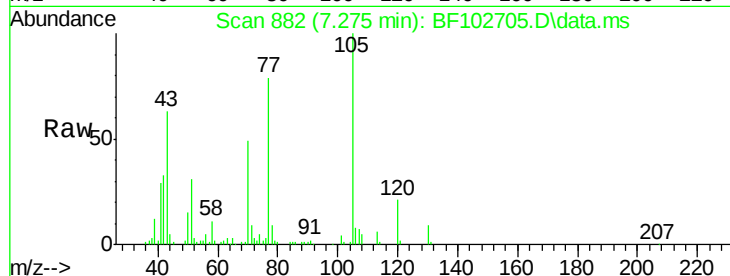




#19
n-Nitroso-di-n-propylamine
Concen: 2.48 ng
RT: 7.275 min Scan# 88
Delta R.T. -0.017 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

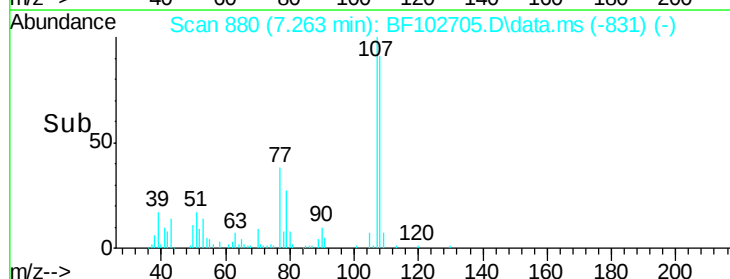
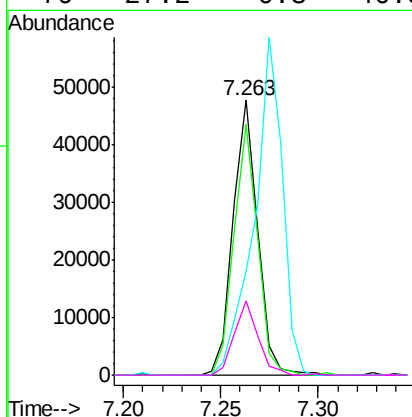
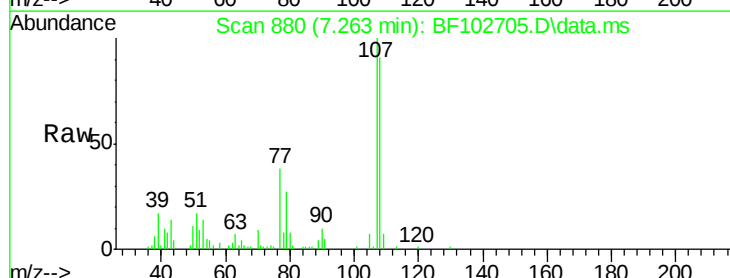
Instrument :
BNA_F
ClientSampleId :

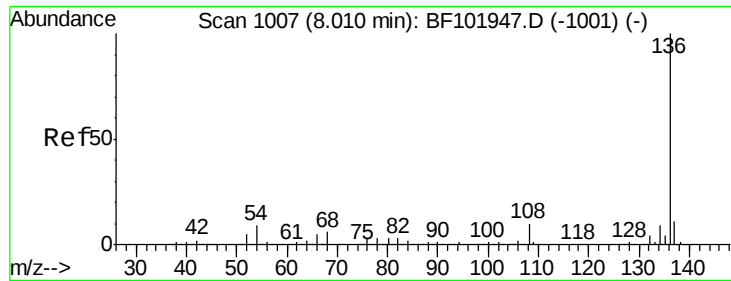
Tot Ion	Ratio	Lower	Upper
70	100		
42	66.7	47.5	71.3
101	7.3	7.4	11.2#
130	17.2	16.6	25.0



#20
3+4-Methylphenols
Concen: 2.65 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.1	68.2	108.2
77	37.6	26.7	66.7
79	27.2	6.3	46.3

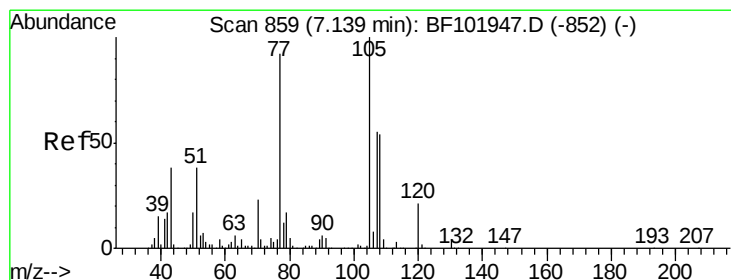
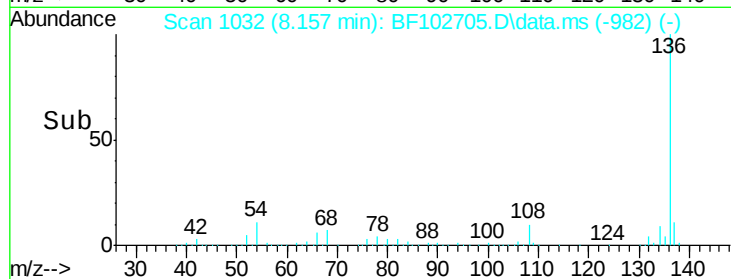
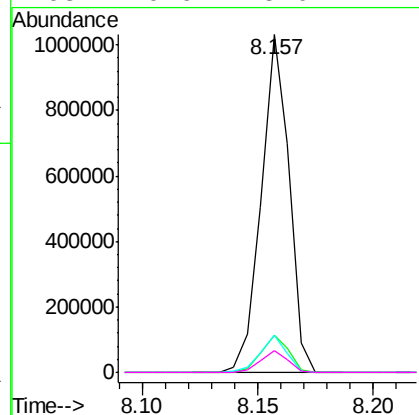
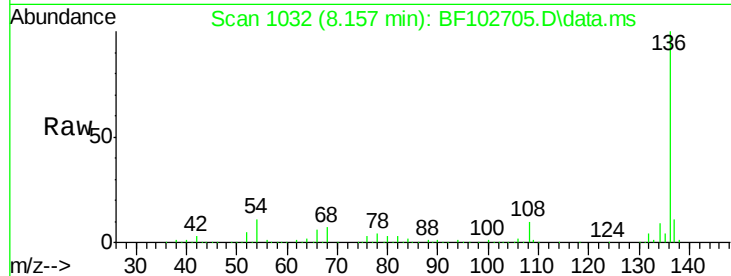




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

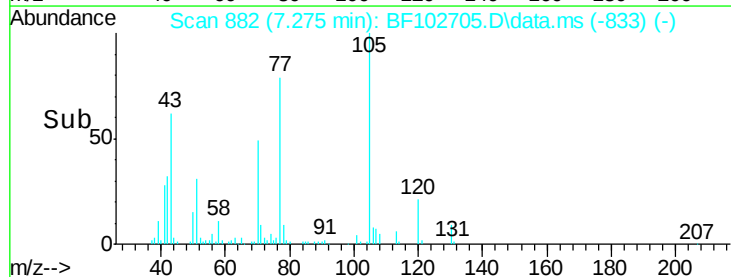
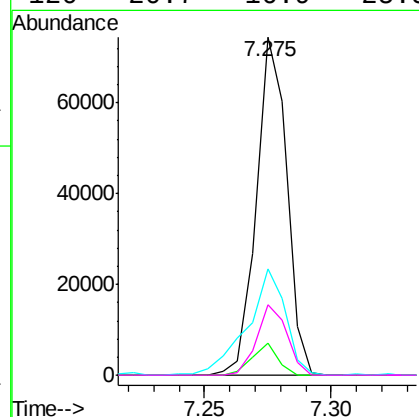
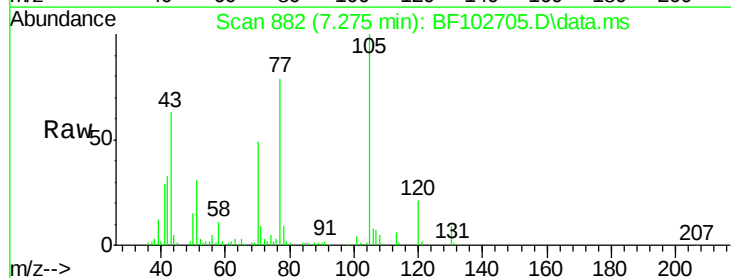
Instrument :
BNA_F
ClientSampled :

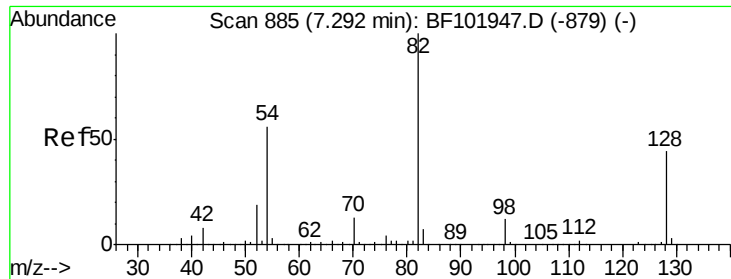
Tot Ion:136	Resp:	869175
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	10.8	6.6 9.8#
68	6.6	5.0 7.4



#22
Acetophenone
Concen: 2.98 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion:105	Resp:	62429
Ion Ratio	Lower	Upper
105	100	
71	9.3	4.4 6.6#
51	31.3	22.3 33.5
120	20.7	16.9 25.3





#23

Nitrobenzene-d5

Concen: 2.19 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.017 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

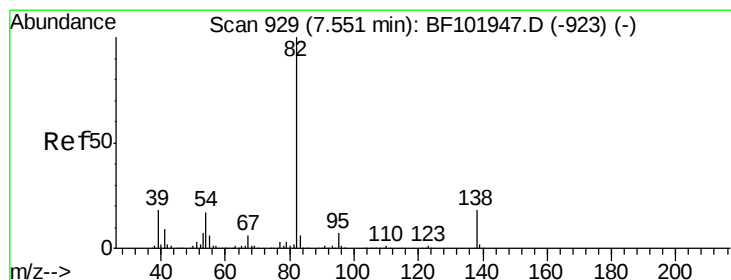
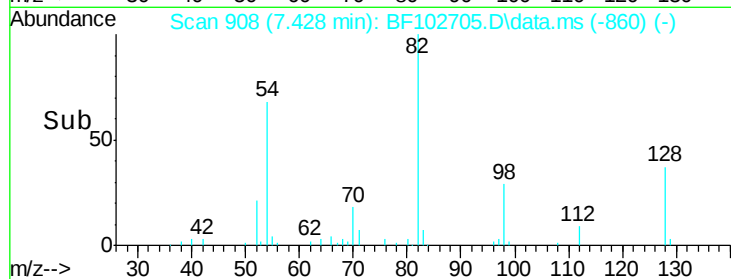
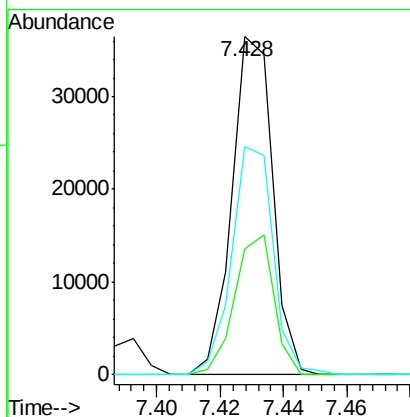
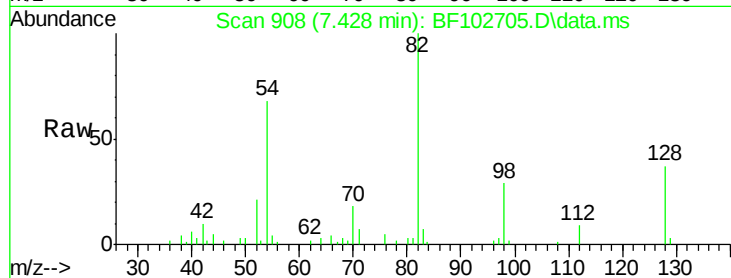
Tot Ion: 82 Resp: 32420

Ion Ratio Lower Upper

82 100

128 37.2 36.1 54.1

54 67.6 41.4 62.2#



#25

Isophorone

Concen: 2.54 ng

RT: 7.687 min Scan# 952

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

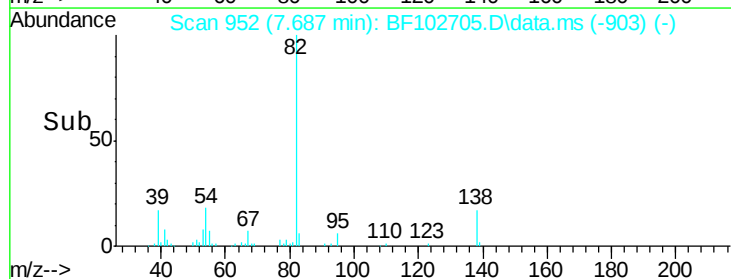
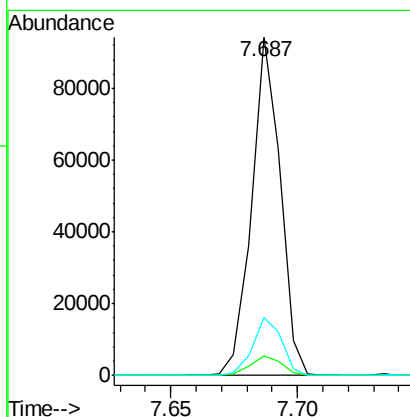
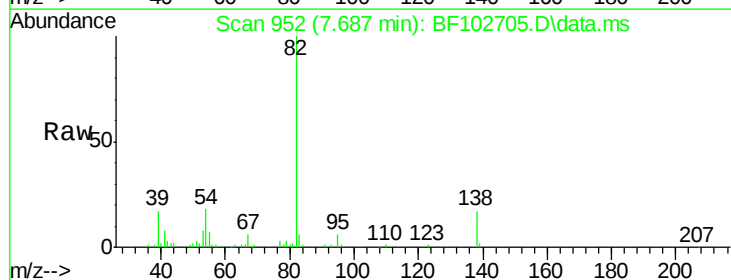
Tgt Ion: 82 Resp: 74311

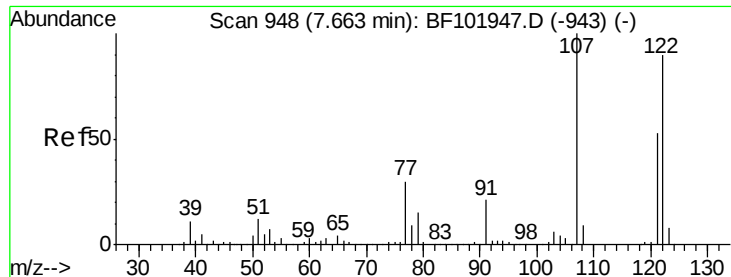
Ion Ratio Lower Upper

82 100

95 5.5 5.2 7.8

138 17.1 14.9 22.3

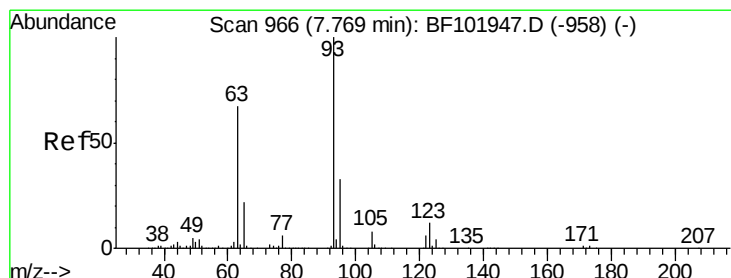
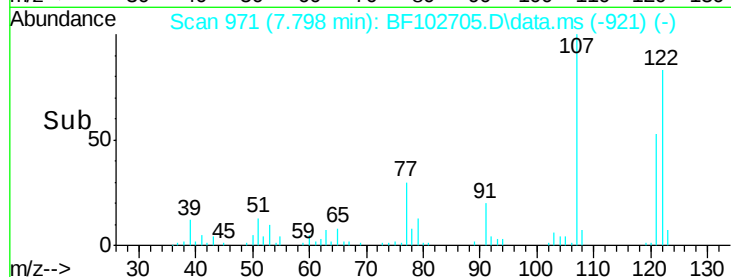
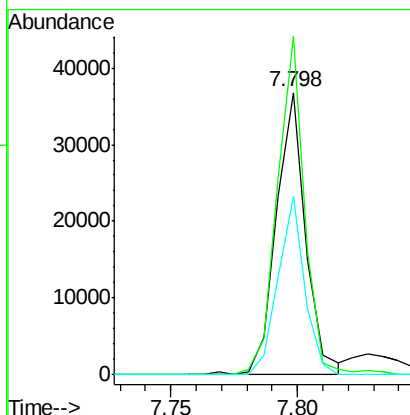
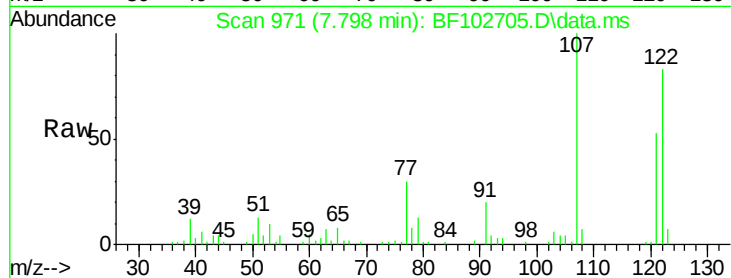




#27
 2,4-Dimethylphenol
 Concen: 2.40 ng
 RT: 7.798 min Scan# 971
 Delta R.T. -0.006 min
 Lab File: BF102705.D
 Acq: 3 Feb 2018 9:05

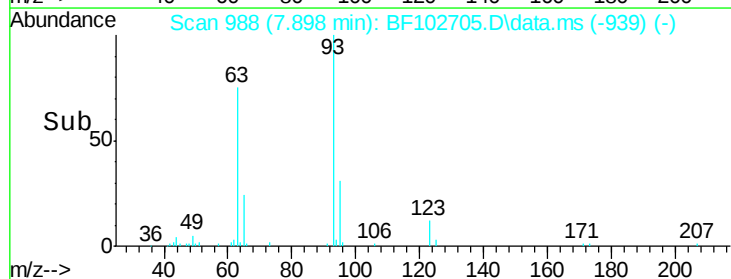
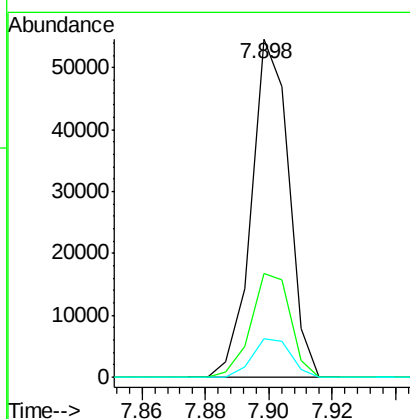
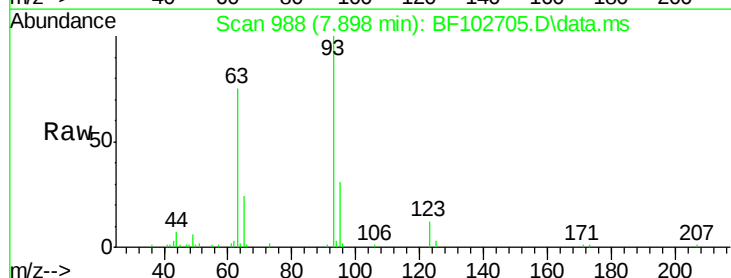
Instrument :
 BNA_F
 ClientSampleId :

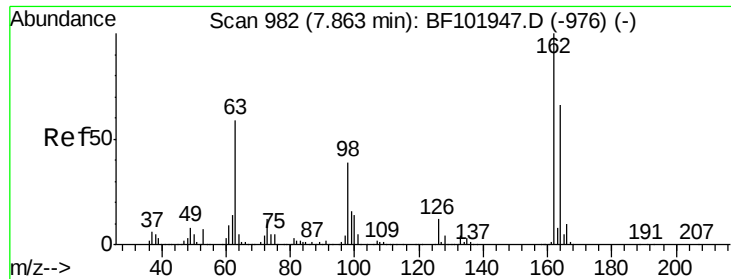
Tot Ion:122 Resp: 29821
 Ion Ratio Lower Upper
 122 100
 107 119.9 91.2 136.8
 121 63.3 47.2 70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.53 ng
 RT: 7.898 min Scan# 988
 Delta R.T. -0.012 min
 Lab File: BF102705.D
 Acq: 3 Feb 2018 9:05

Tgt Ion: 93 Resp: 44650
 Ion Ratio Lower Upper
 93 100
 95 30.7 26.3 39.5
 123 11.5 9.8 14.6

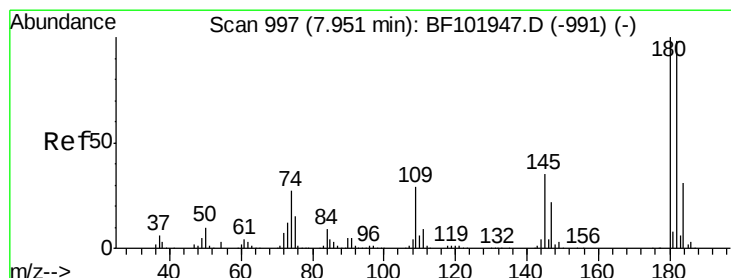
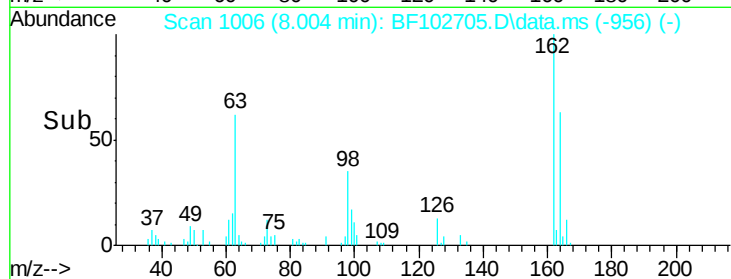
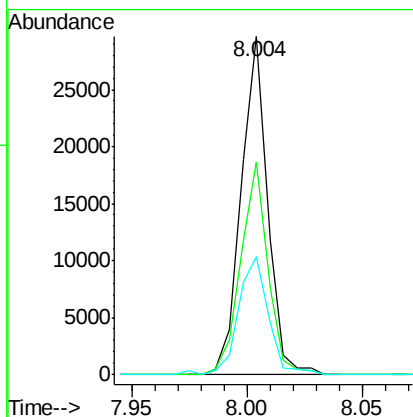
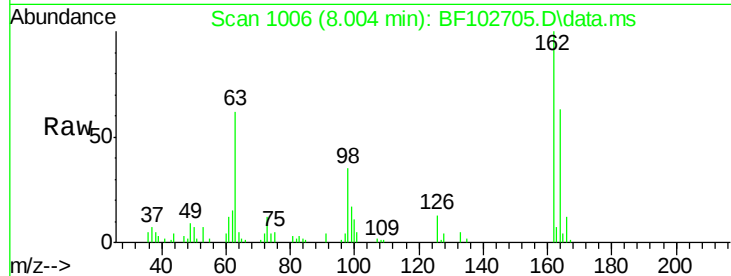




#29
2,4-Dichlorophenol
Concen: 2.02 ng
RT: 8.004 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

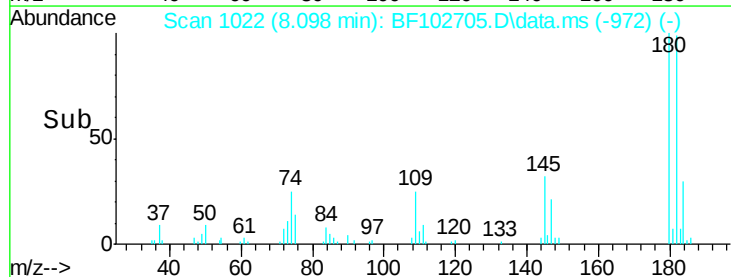
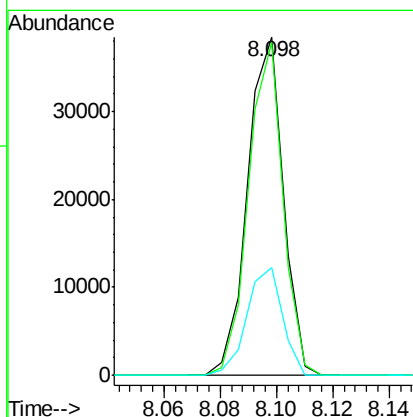
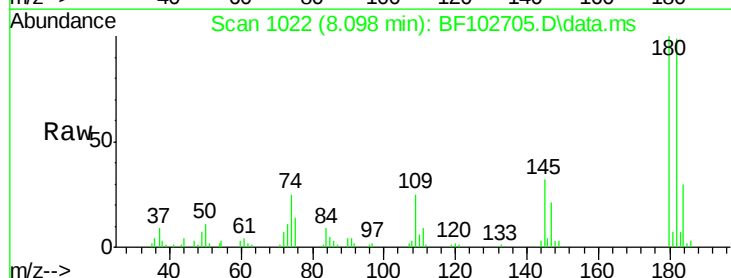
Instrument :
BNA_F
ClientSampleId :

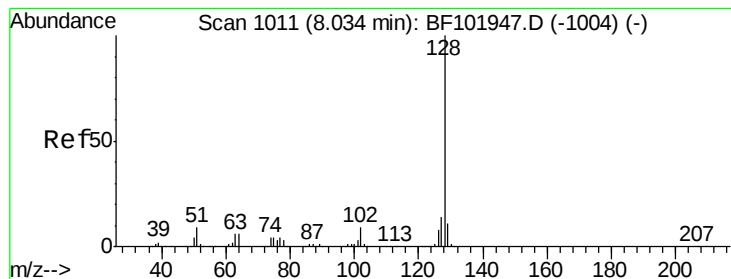
Tot Ion:162 Resp: 23818
Ion Ratio Lower Upper
162 100
164 63.0 42.7 82.7
98 34.8 18.1 58.1



#30
1,2,4-Trichlorobenzene
Concen: 2.74 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion:180 Resp: 33818
Ion Ratio Lower Upper
180 100
182 98.5 76.8 115.2
145 31.9 26.5 39.7





#31

Naphthalene

Concen: 2.81 ng

RT: 8.181 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF102705.D

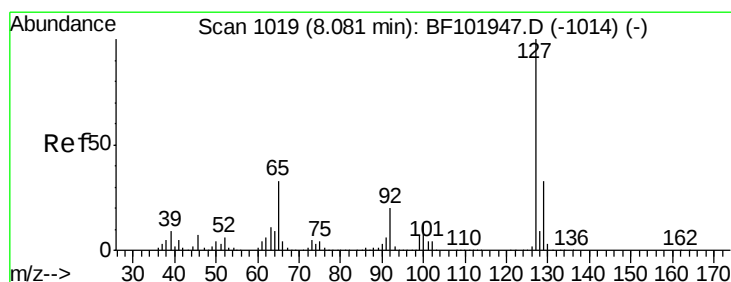
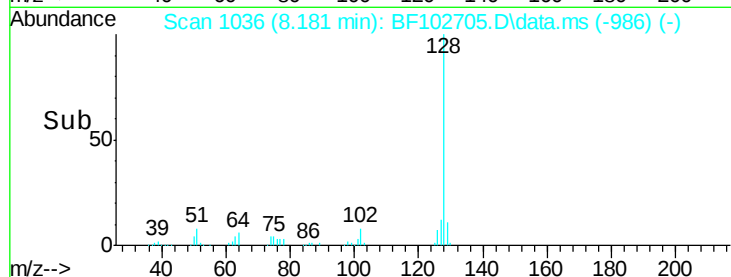
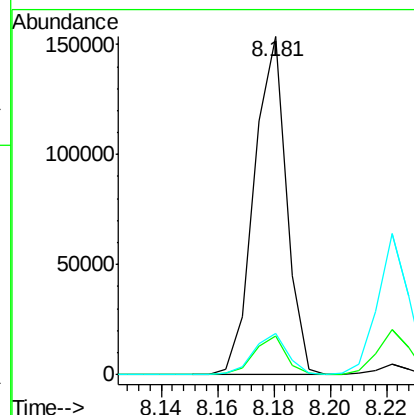
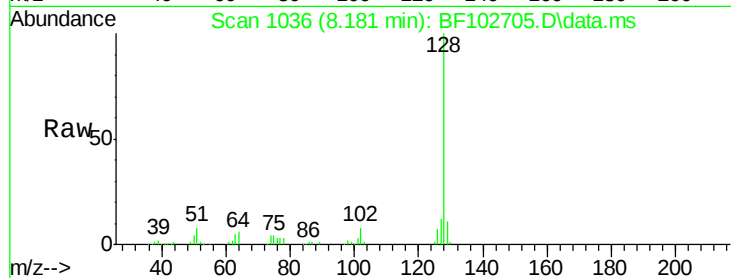
Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampled :

Tot Ion:128	Resp:	121866
Ion Ratio	Lower	Upper
128	100	
129	11.4	8.8 13.2
127	12.2	10.9 16.3



#33

4-Chloroaniline

Concen: 2.65 ng

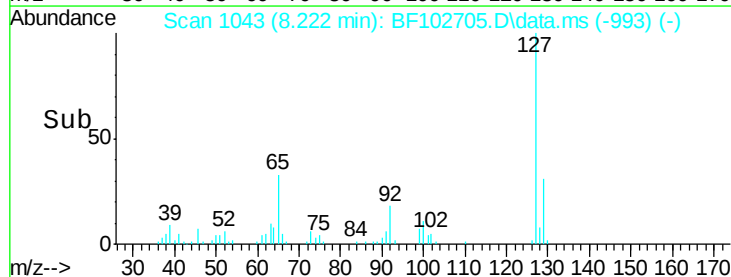
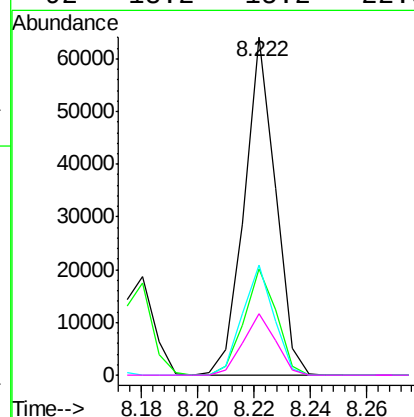
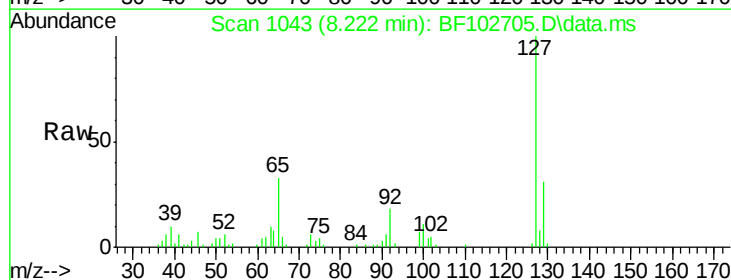
RT: 8.222 min Scan# 1043

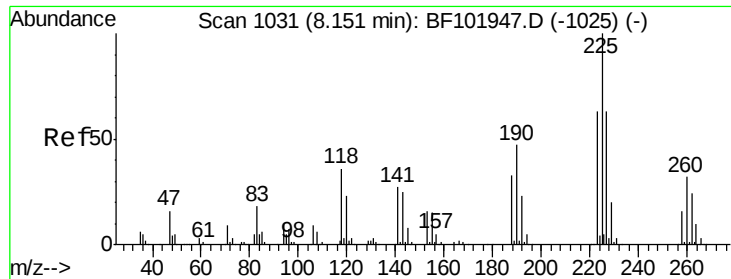
Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Tgt Ion:127	Resp:	49133
Ion Ratio	Lower	Upper
127	100	
129	31.5	25.9 38.9
65	32.7	25.0 37.4
92	18.2	15.2 22.8





#34

Hexachlorobutadiene

Concen: 2.68 ng

RT: 8.298 min Scan# 10

Delta R.T. 0.000 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

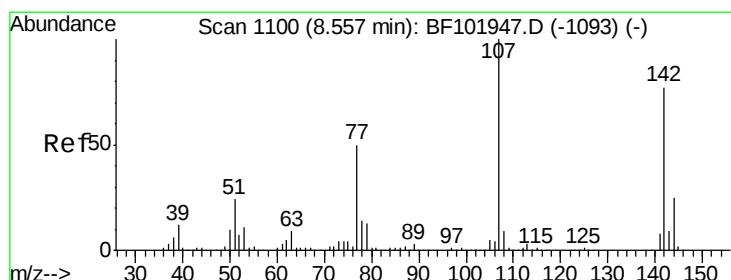
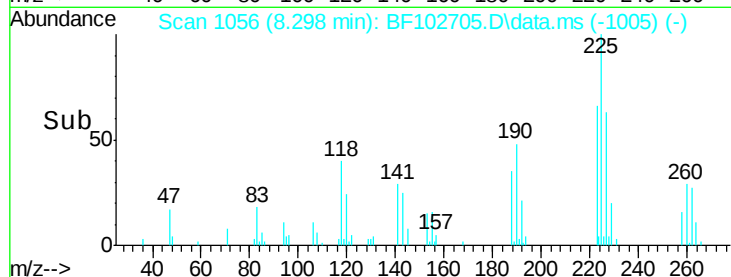
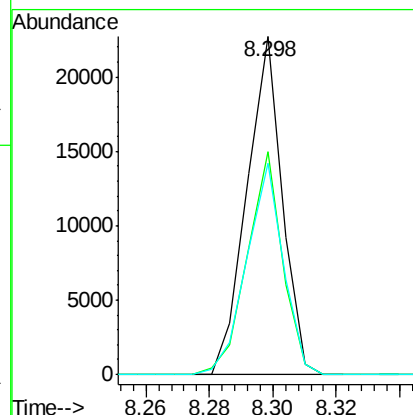
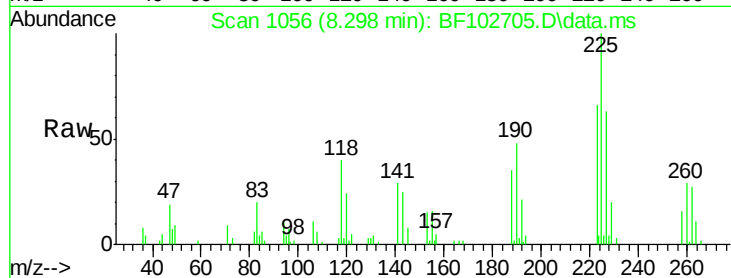
Tot Ion:225 Resp: 17506

Ion Ratio Lower Upper

225 100

223 65.8 50.6 76.0

227 62.7 51.9 77.9



#36

4-Chloro-3-methylphenol

Concen: 2.25 ng

RT: 8.686 min Scan# 1122

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

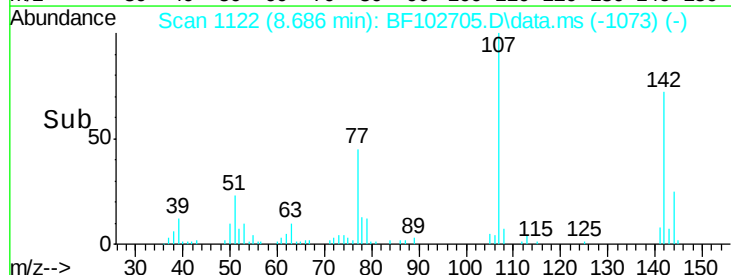
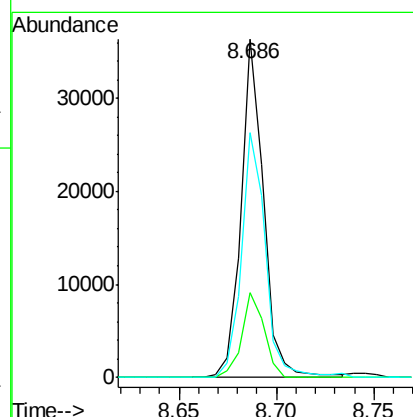
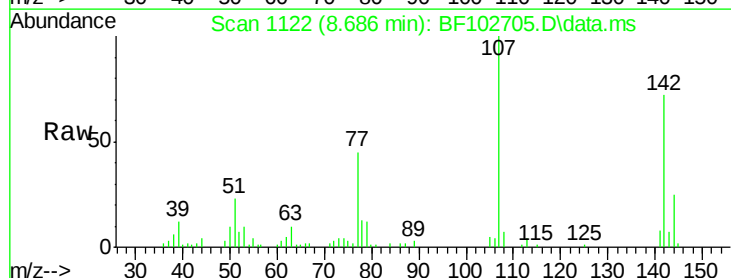
Tgt Ion:107 Resp: 29106

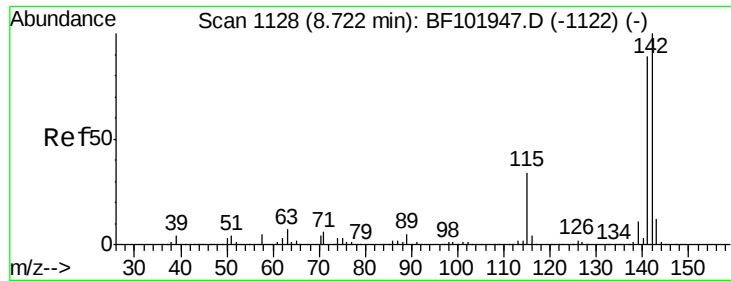
Ion Ratio Lower Upper

107 100

144 25.2 20.5 30.7

142 72.4 62.0 93.0

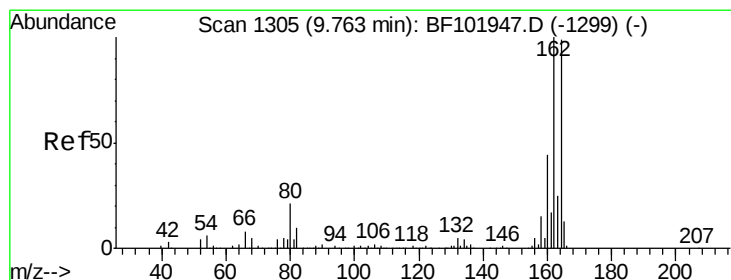
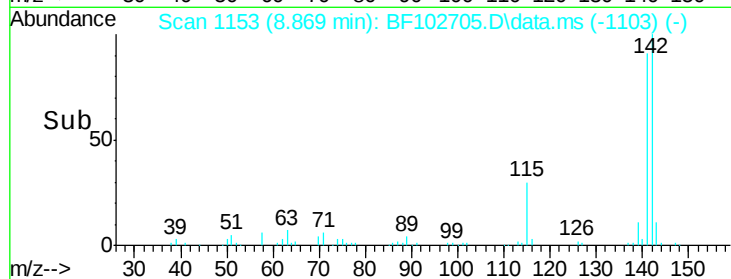
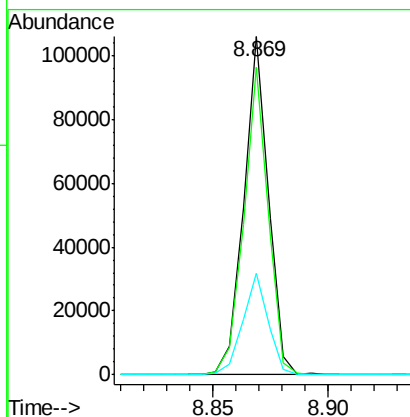
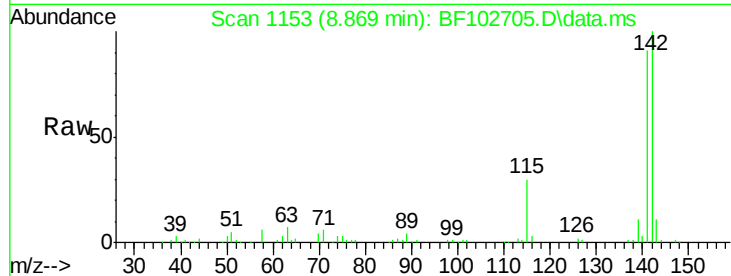




#37
2-Methylnaphthalene
Concen: 2.76 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

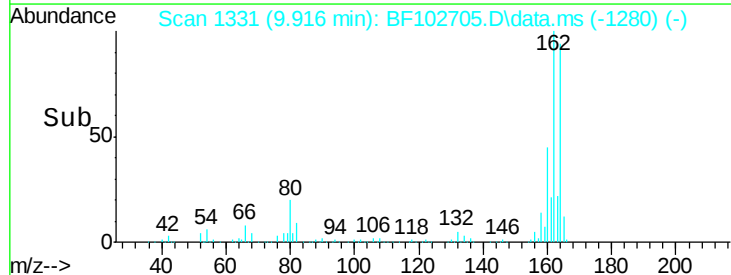
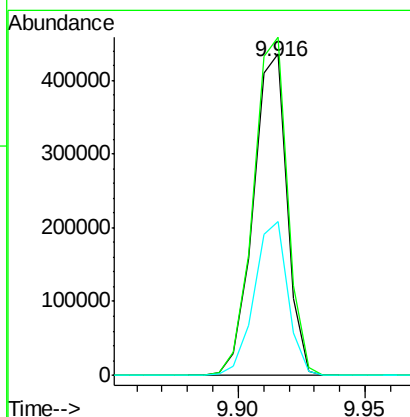
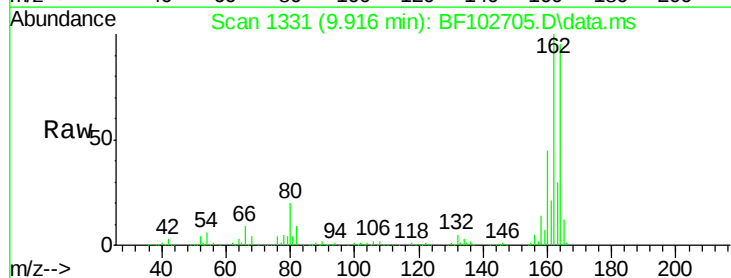
Instrument :
BNA_F
ClientSampleId :

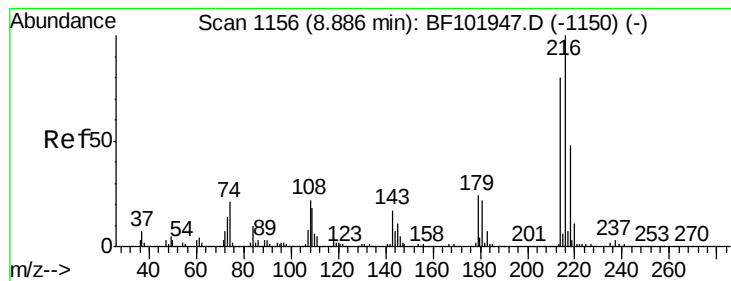
Tot Ion:142 Resp: 78877
Ion Ratio Lower Upper
142 100
141 90.9 70.8 106.2
115 29.9 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion:164 Resp: 405054
Ion Ratio Lower Upper
164 100
162 105.2 86.1 129.1
160 47.7 38.3 57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 2.75 ng

RT: 9.034 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF102705.D

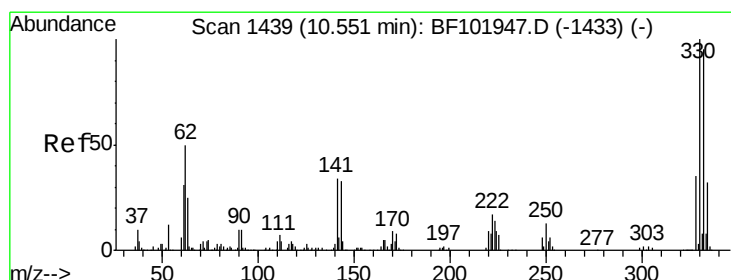
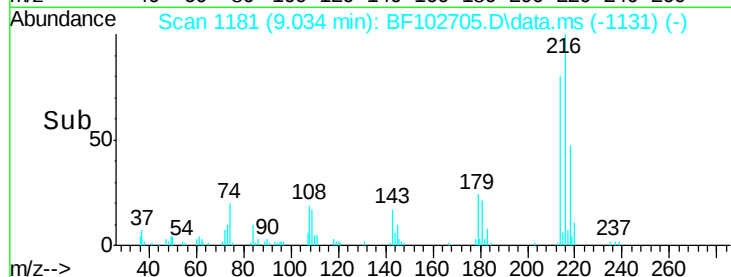
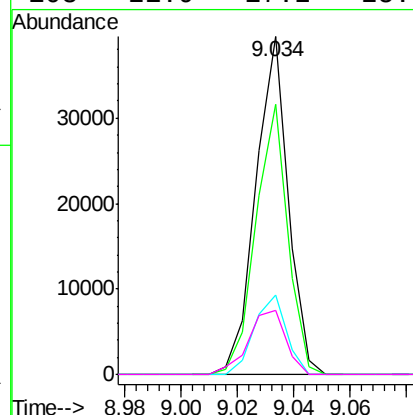
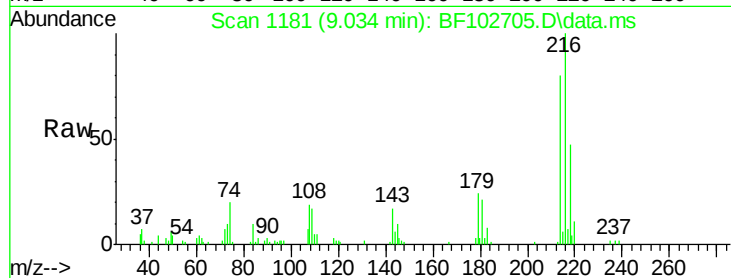
Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	216	Resp:	31531
Ion Ratio	Lower	Upper	
216	100		
214	78.6	63.0	94.4
179	23.5	18.1	27.1
108	21.9	17.2	25.8



#41

2,4,6-Tribromophenol

Concen: 3.54 ng

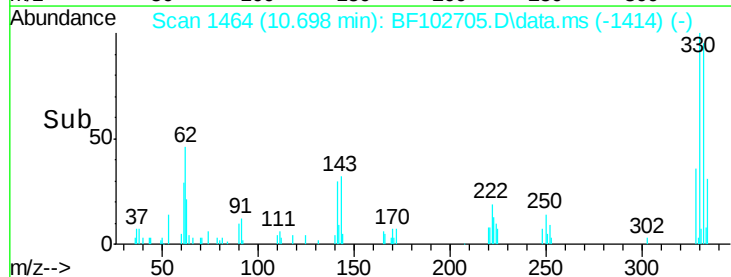
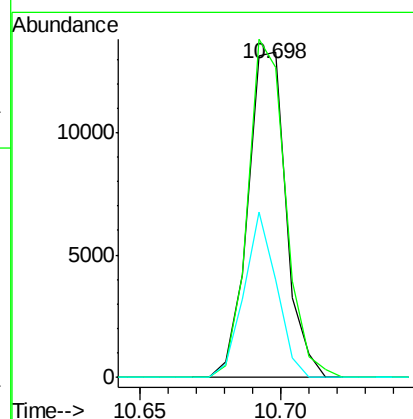
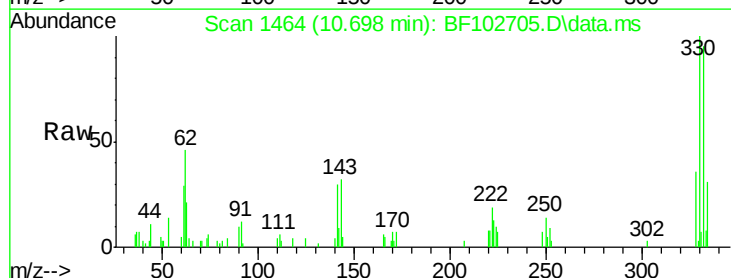
RT: 10.698 min Scan# 1464

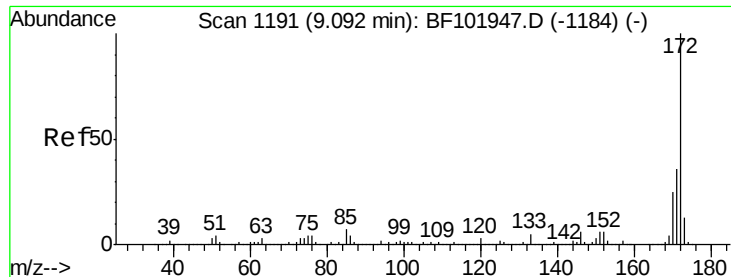
Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Tgt Ion:	330	Resp:	12512
Ion Ratio	Lower	Upper	
330	100		
332	102.3	77.0	115.6
141	43.1	29.9	44.9

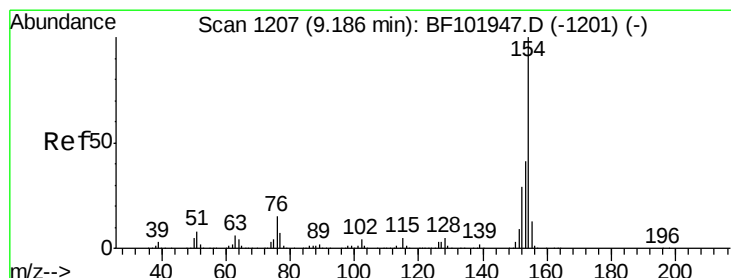
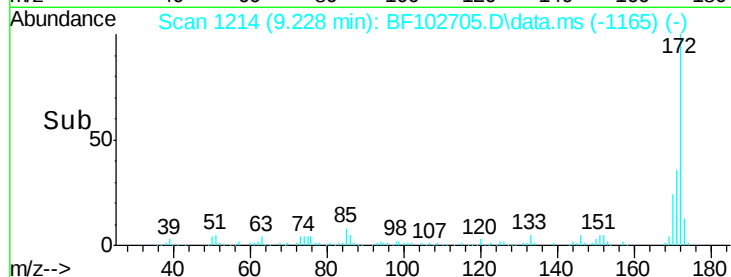
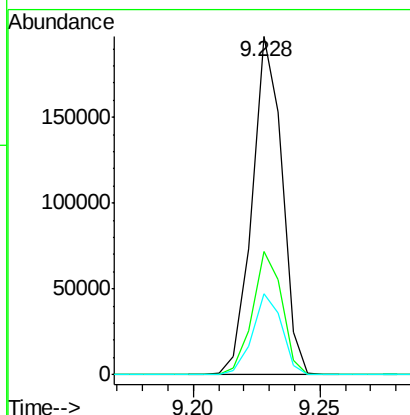
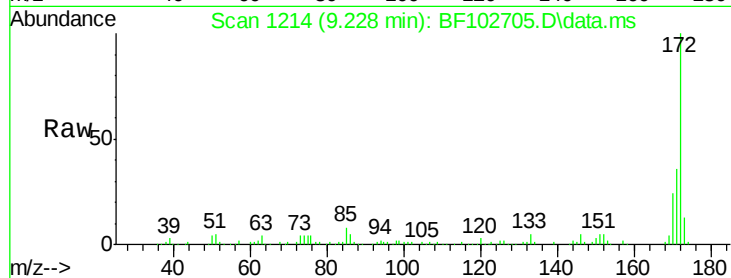




#44
2-Fluorobiphenyl
Concen: 6.27 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

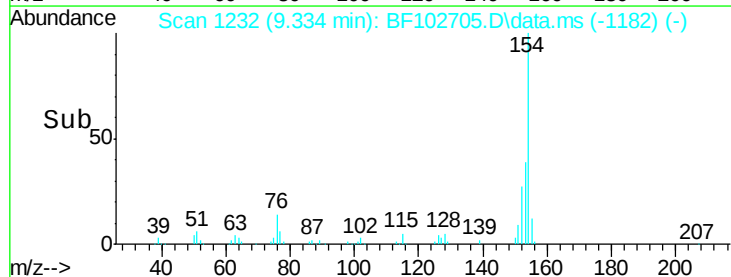
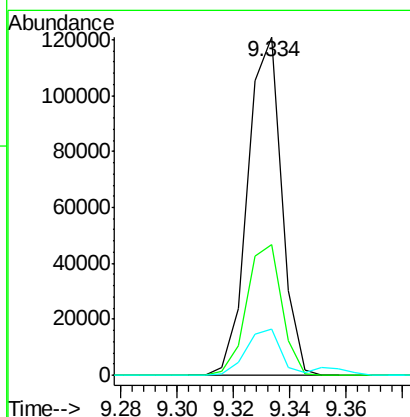
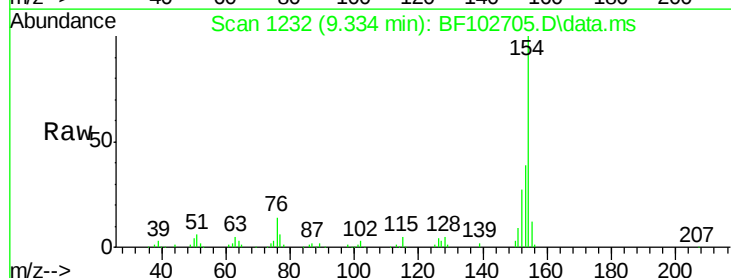
Instrument :
BNA_F
ClientSampleId :

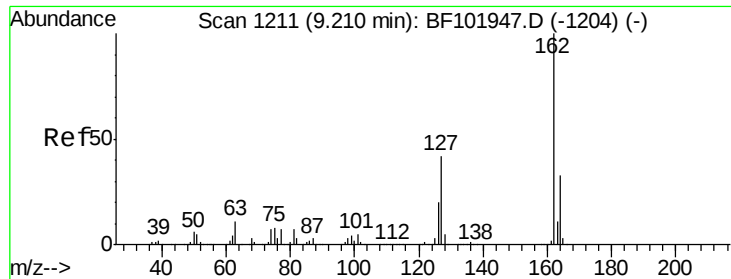
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.0	19.6	29.4



#45
1,1'-Biphenyl
Concen: 2.81 ng
RT: 9.334 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.8	21.3	61.3
76	13.7	0.0	34.0

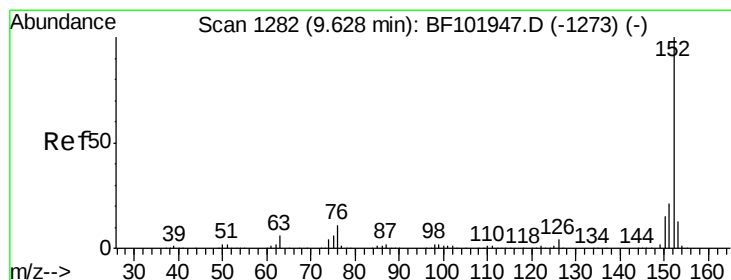
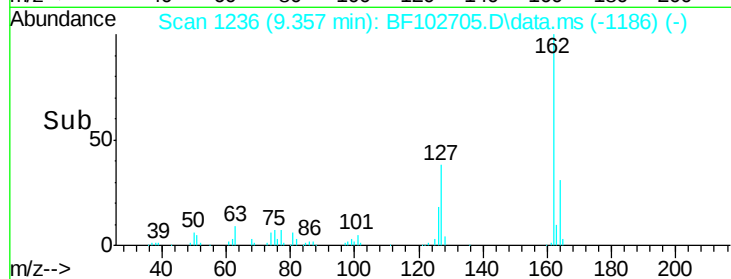
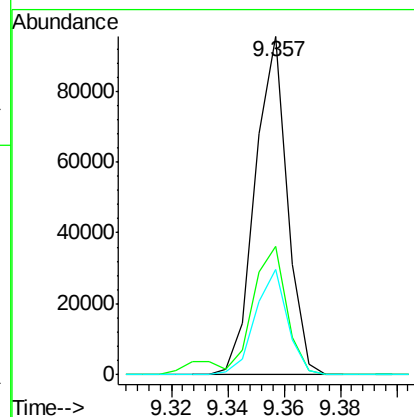
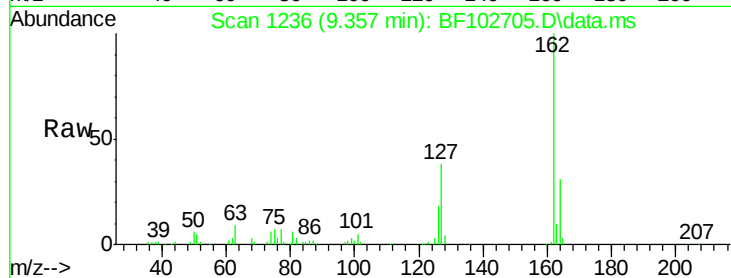




#46
2-Chloronaphthalene
Concen: 2.72 ng
RT: 9.357 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

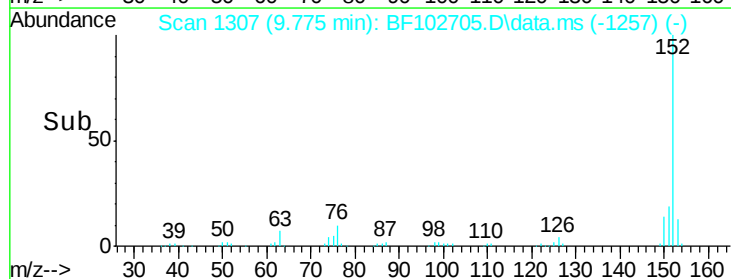
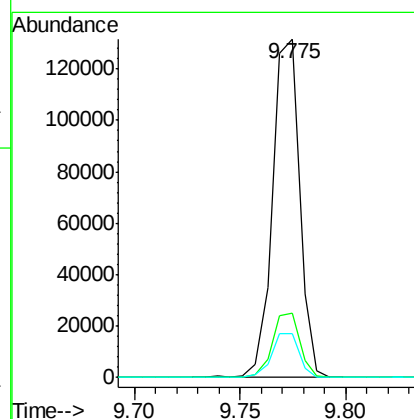
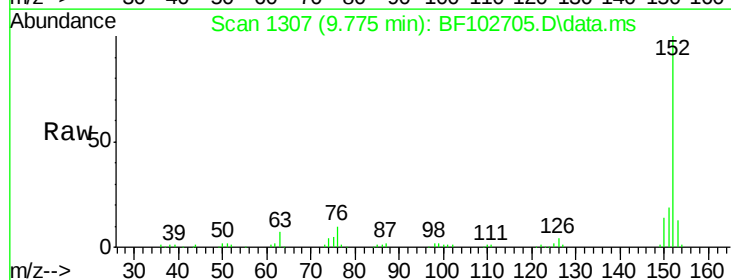
Instrument :
BNA_F
ClientSampleId :

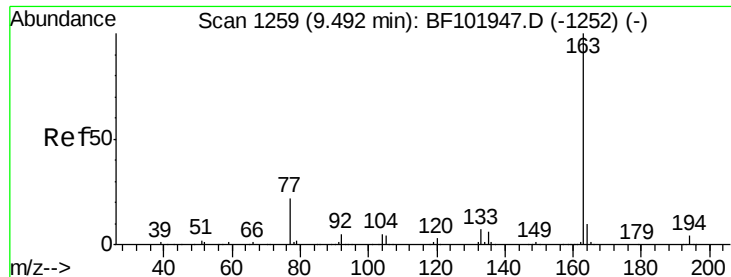
Tot Ion	Ratio	Lower	Upper
162	100		
127	38.0	33.9	50.9
164	31.3	26.5	39.7



#48
Acenaphthylene
Concen: 2.67 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.3	24.5
153	12.7	10.7	16.1





#49

Dimethylphthalate

Concen: 2.64 ng

RT: 9.622 min Scan# 12

Delta R.T. -0.017 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

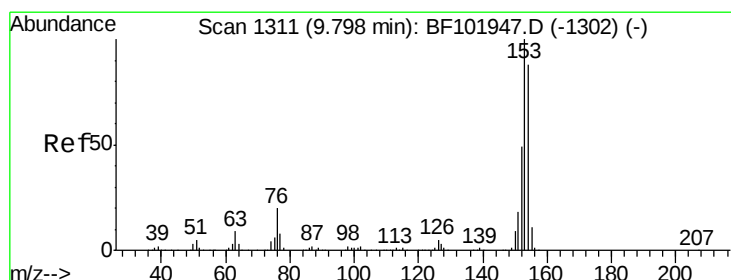
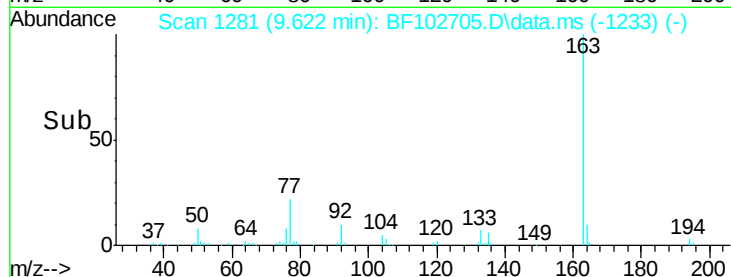
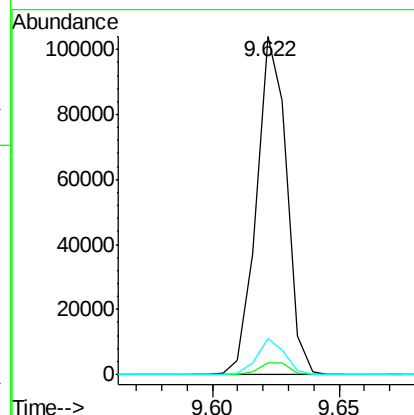
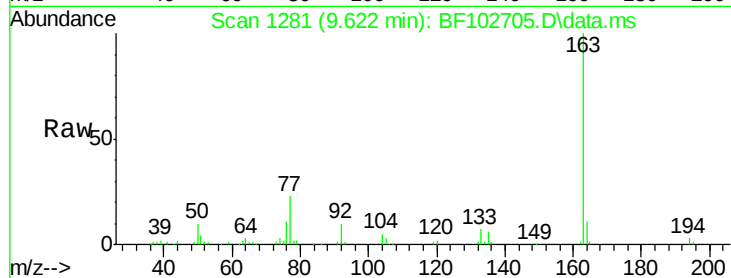
Tot Ion:163 Resp: 85704

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

164 10.5 8.2 12.2



#51

Acenaphthene

Concen: 2.68 ng

RT: 9.945 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

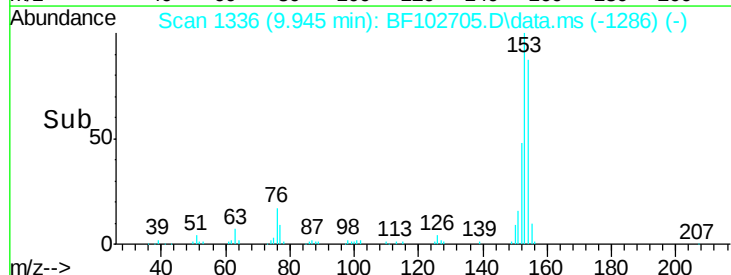
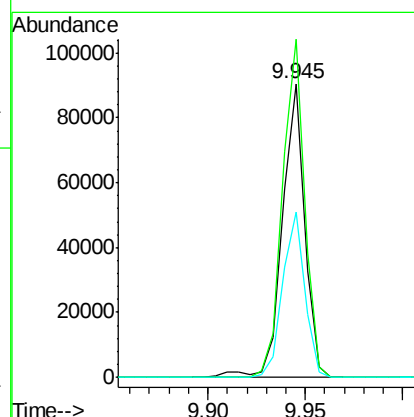
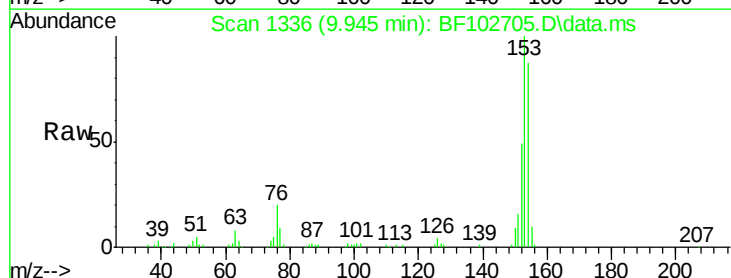
Tgt Ion:154 Resp: 71574

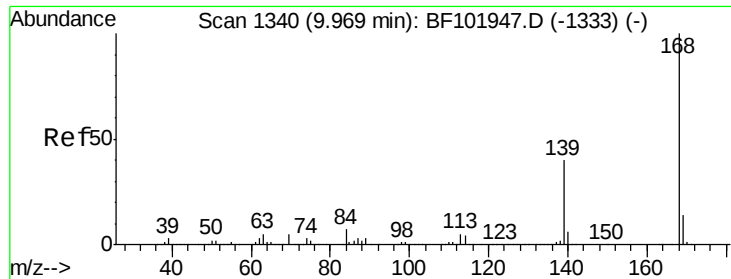
Ion Ratio Lower Upper

154 100

153 115.0 91.2 136.8

152 56.4 43.8 65.8

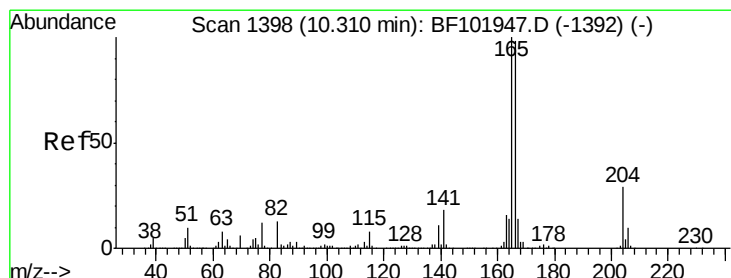
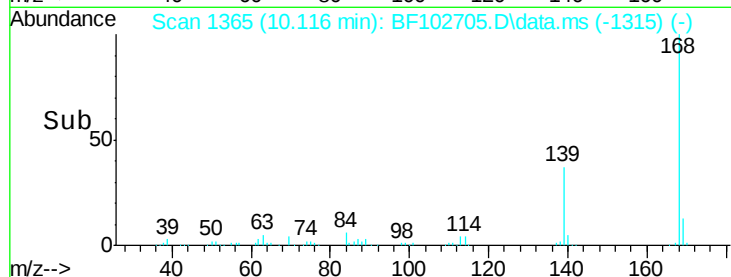
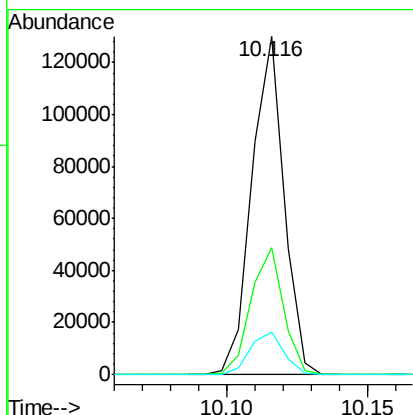
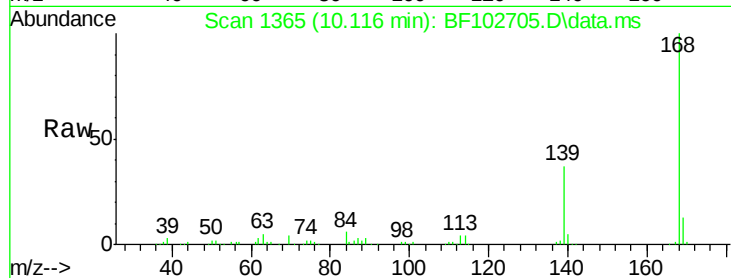




#54
Dibenzenofuran
Concen: 2.80 ng
RT: 10.116 min Scan# 13
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

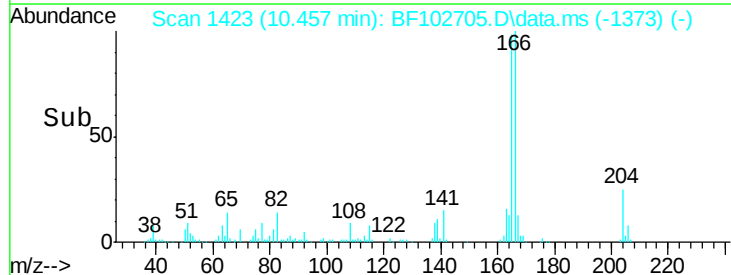
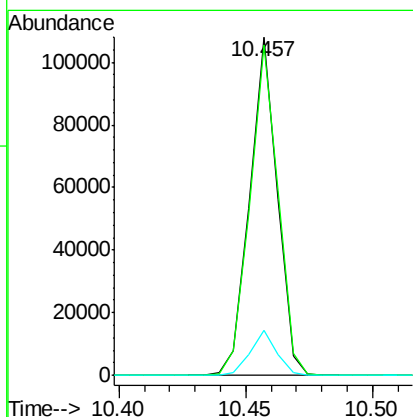
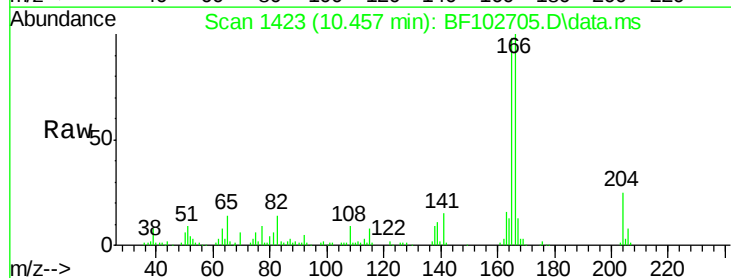
Instrument :
BNA_F
ClientSampleId :

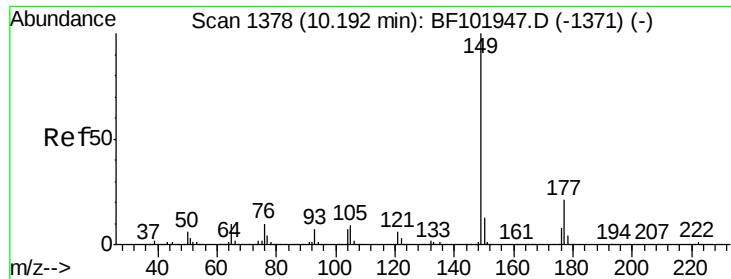
Tot Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.1	45.1
169	12.6	10.9	16.3



#57
Fluorene
Concen: 3.24 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.8	119.8
167	13.5	10.6	16.0





#59

Diethylphthalate

Concen: 2.67 ng

RT: 10.322 min Scan# 14

Delta R.T. -0.017 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampled :

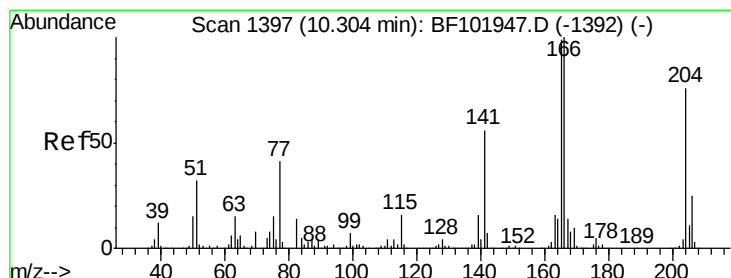
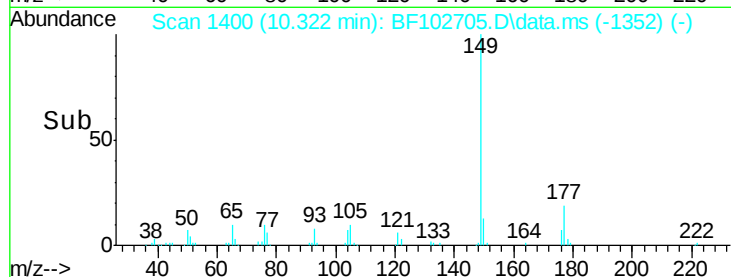
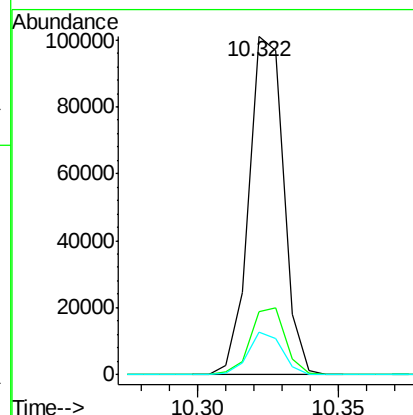
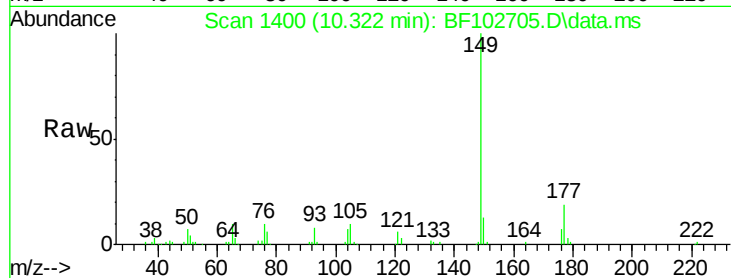
Tot Ion:149 Resp: 86252

Ion Ratio Lower Upper

149 100

177 18.7 16.1 24.1

150 12.5 10.1 15.1



#60

4-Chlorophenyl-phenylether

Concen: 3.37 ng

RT: 10.451 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

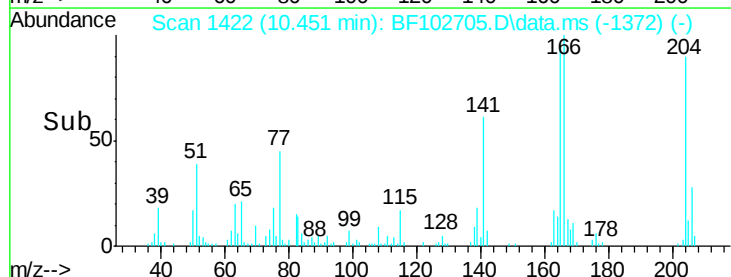
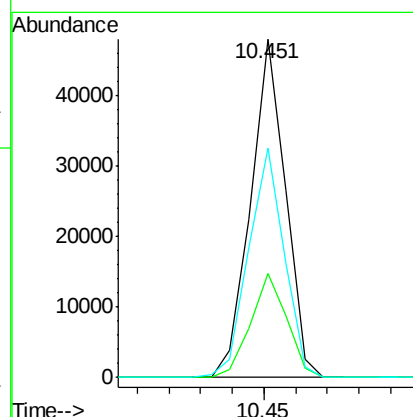
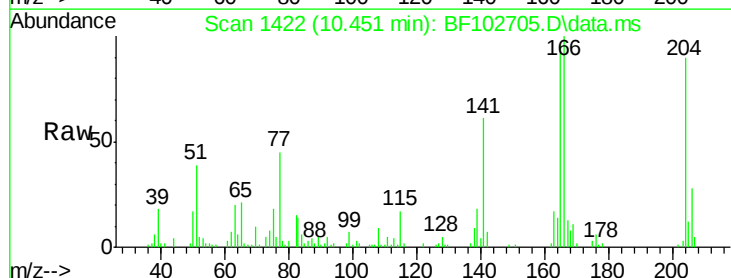
Tgt Ion:204 Resp: 36444

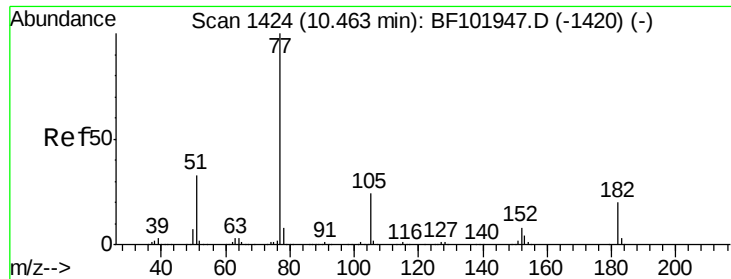
Ion Ratio Lower Upper

204 100

206 30.6 26.5 39.7

141 67.8 54.6 81.8





#62

Azobenzene

Concen: 2.74 ng

RT: 10.610 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 88013

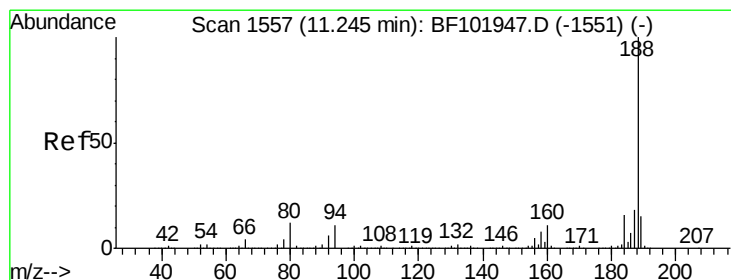
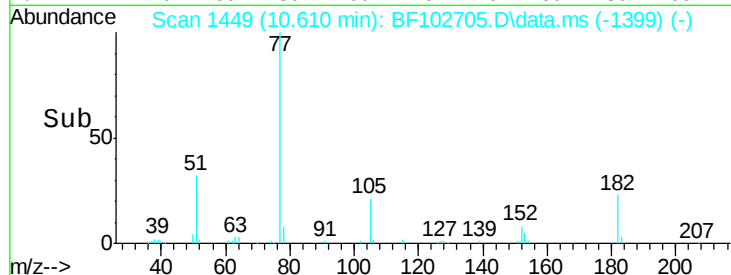
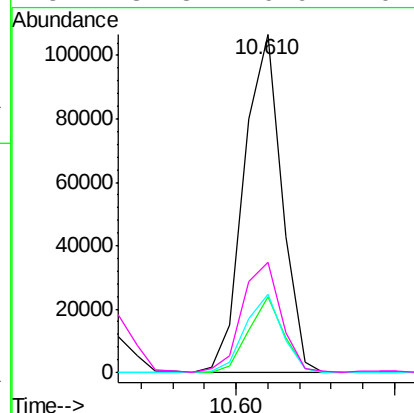
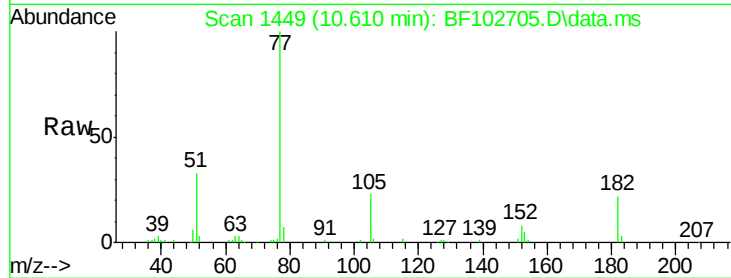
Ion Ratio Lower Upper

77 100

182 22.3 1.7 41.7

105 23.2 3.0 43.0

51 32.8 9.9 49.9



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.398 min Scan# 1583

Delta R.T. 0.000 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

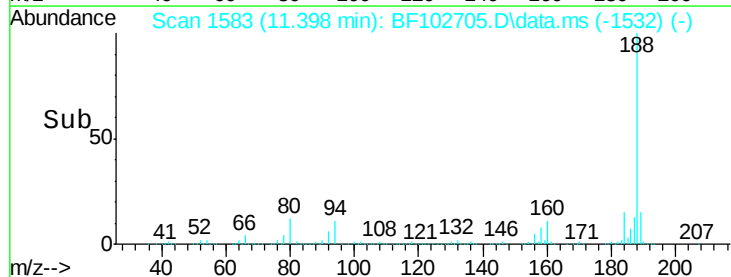
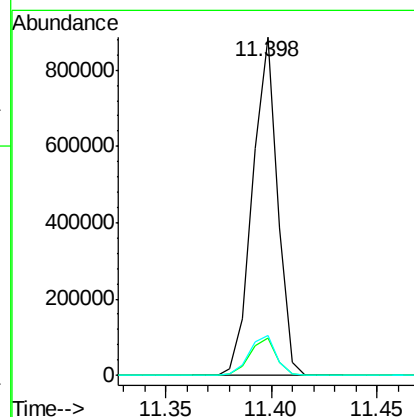
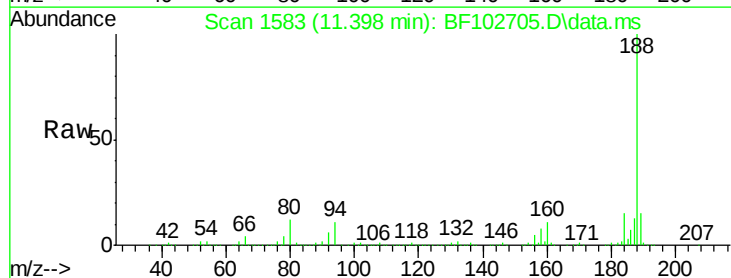
Tgt Ion: 188 Resp: 731738

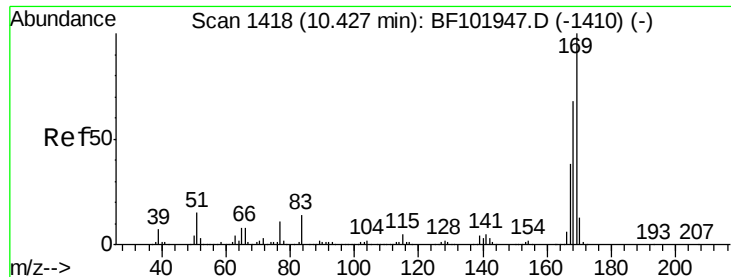
Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

80 11.8 9.2 13.8





#65

n-Nitrosodiphenylamine

Concen: 2.63 ng

RT: 10.563 min Scan# 1418

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

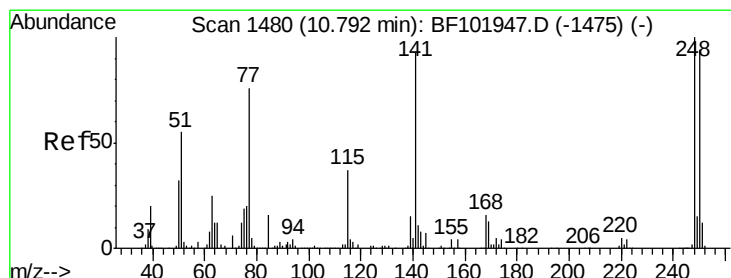
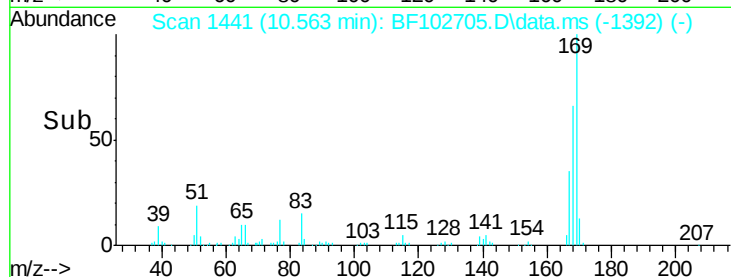
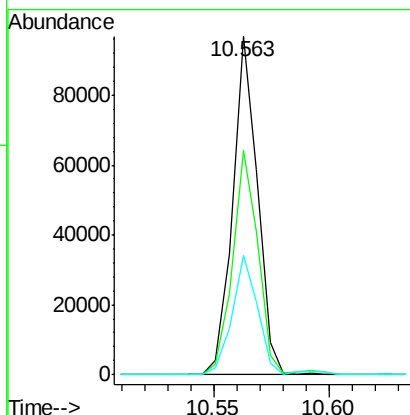
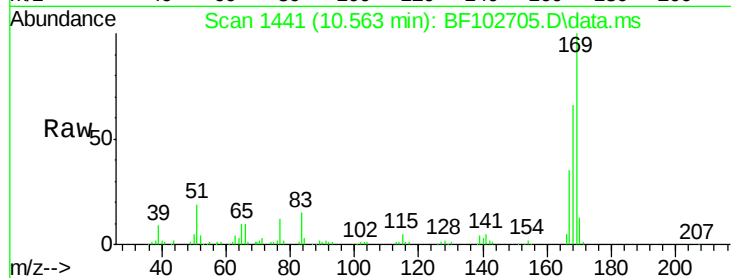
Tot Ion:169 Resp: 72100

Ion Ratio Lower Upper

169 100

168 66.4 54.4 81.6

167 35.2 29.8 44.6



#66

4-Bromophenyl-phenylether

Concen: 2.73 ng

RT: 10.939 min Scan# 1505

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

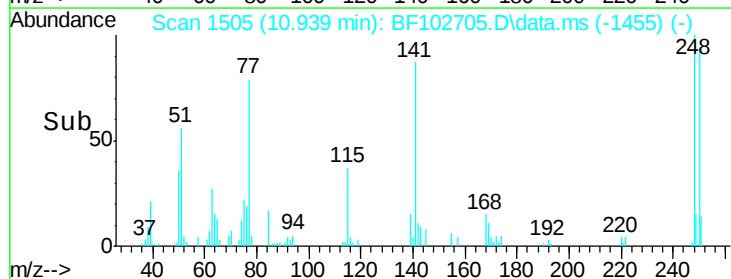
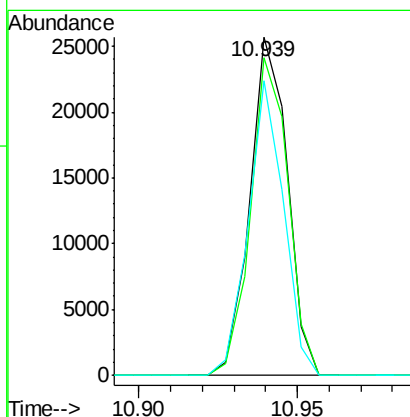
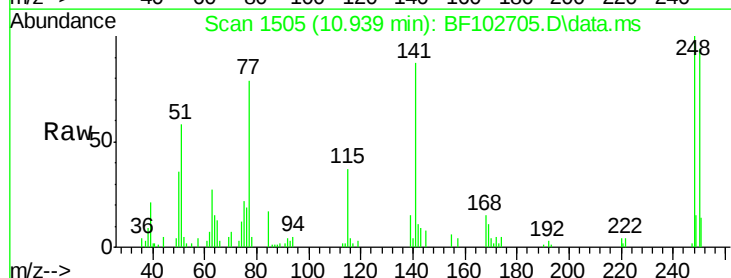
Tgt Ion:248 Resp: 21119

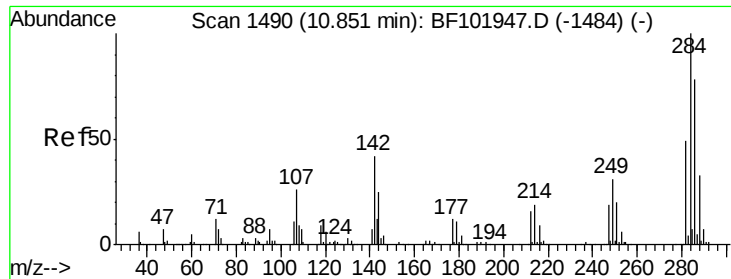
Ion Ratio Lower Upper

248 100

250 93.9 76.9 115.3

141 87.0 74.4 111.6

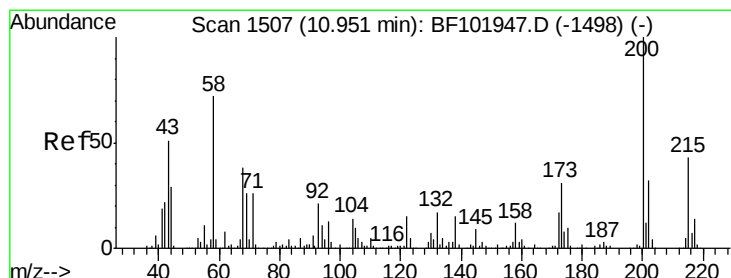
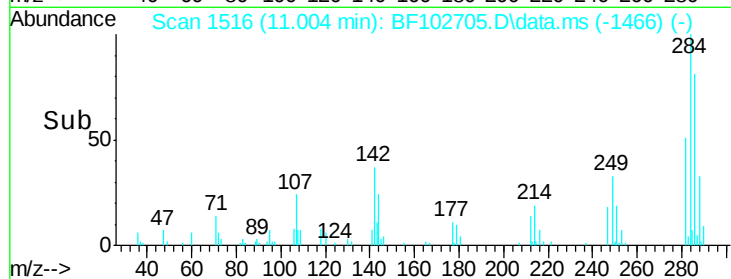
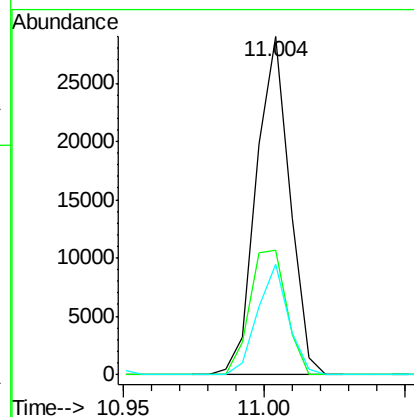
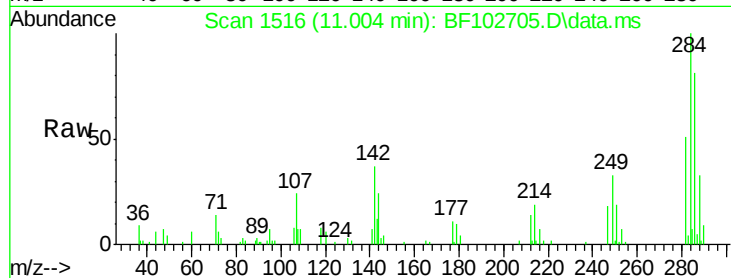




#67
Hexachlorobenzene
Concen: 2.82 ng
RT: 11.004 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

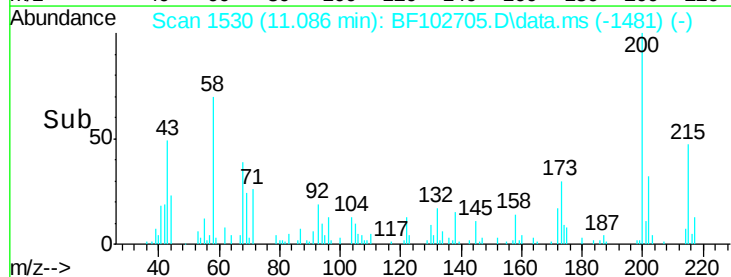
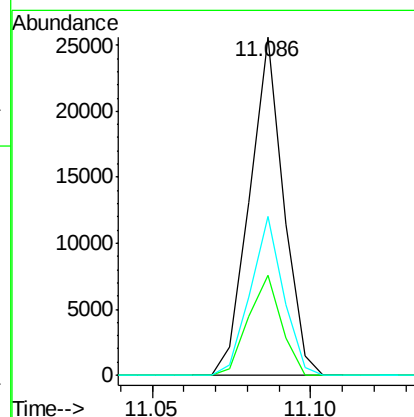
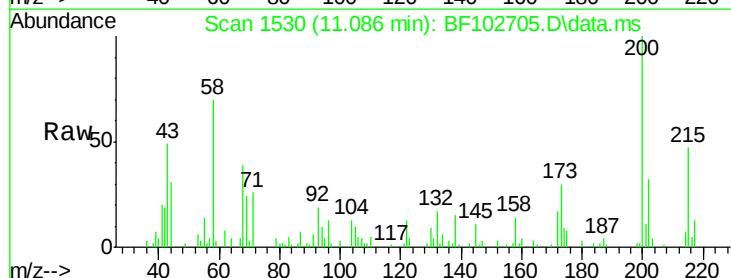
Instrument :
BNA_F
ClientSampleId :

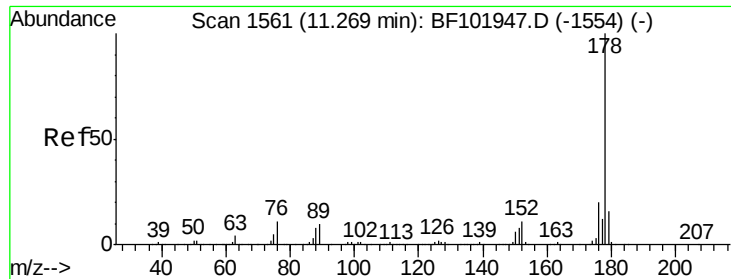
Tot Ion:284 Resp: 23776
Ion Ratio Lower Upper
284 100
142 36.9 34.6 52.0
249 32.6 24.8 37.2



#68
Atrazine
Concen: 2.40 ng
RT: 11.086 min Scan# 1530
Delta R.T. -0.012 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion:200 Resp: 18977
Ion Ratio Lower Upper
200 100
173 29.6 8.6 48.6
215 46.8 25.1 65.1





#70

Phenanthrene

Concen: 2.82 ng

RT: 11.422 min Scan# 15

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

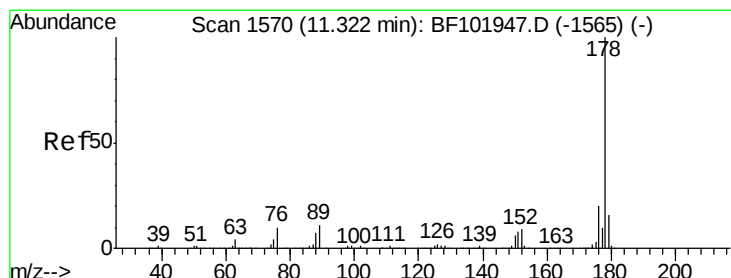
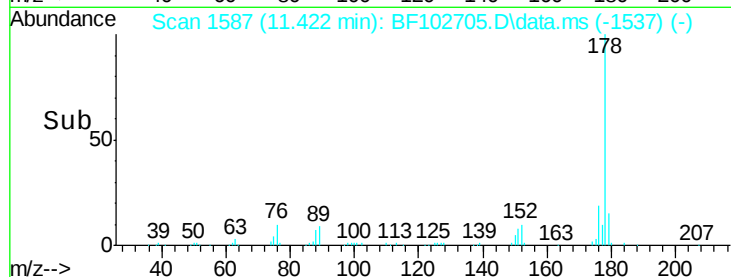
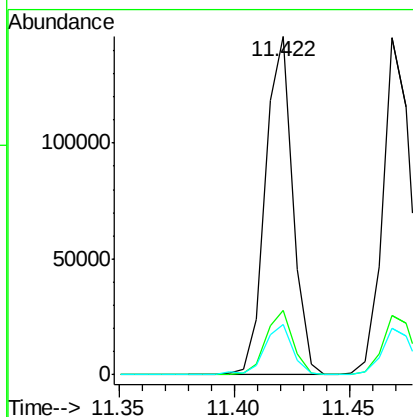
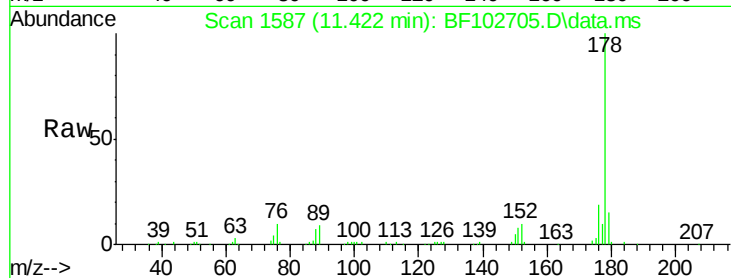
Tot Ion:178 Resp: 120443

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

179 15.0 13.0 19.6



#71

Anthracene

Concen: 2.78 ng

RT: 11.469 min Scan# 1595

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

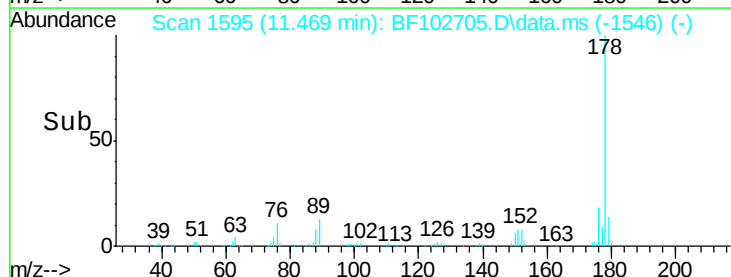
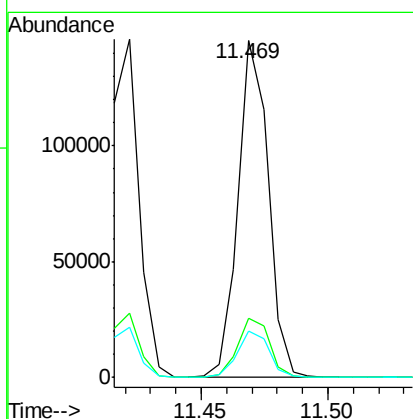
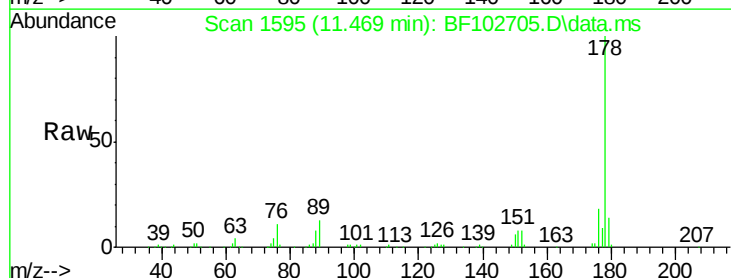
Tgt Ion:178 Resp: 120540

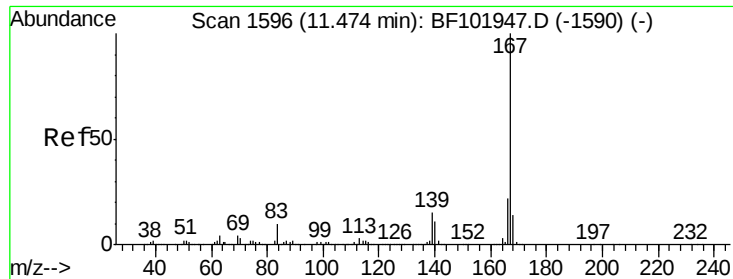
Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.2

179 13.9 12.6 19.0





#72

Carbazole

Concen: 2.79 ng

RT: 11.622 min Scan# 16

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

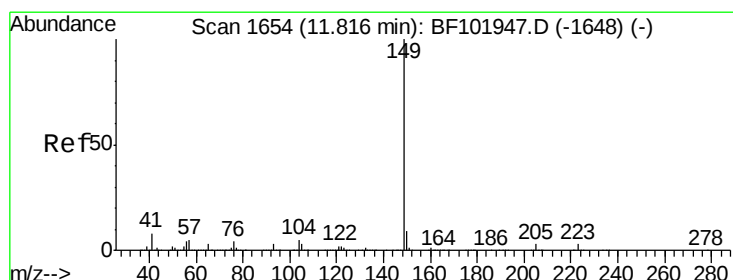
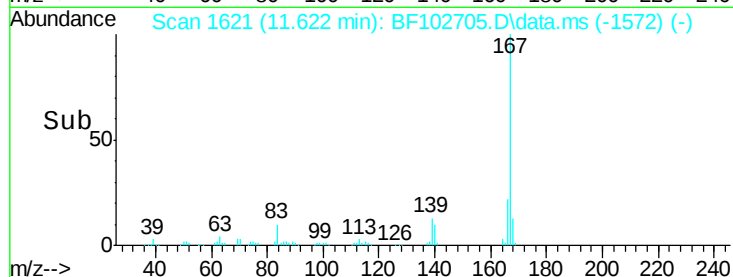
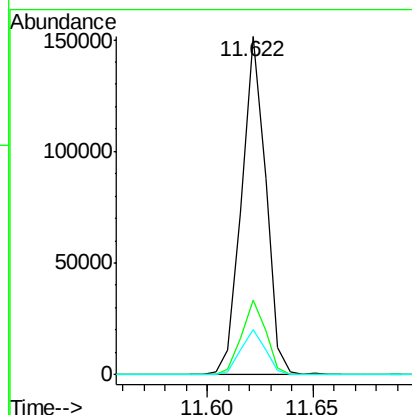
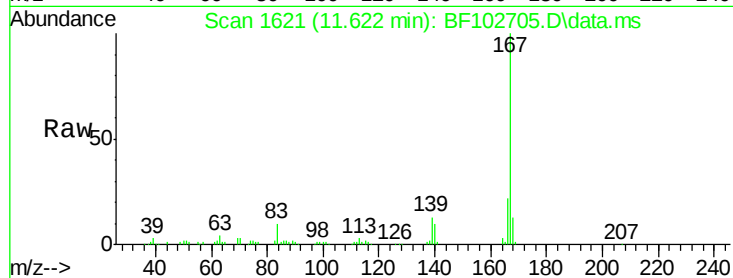
Tot Ion:167 Resp: 118851

Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

139 13.4 10.9 16.3



#73

Di-n-butylphthalate

Concen: 2.44 ng

RT: 11.957 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

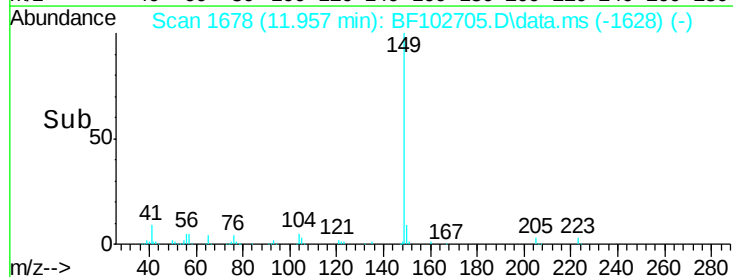
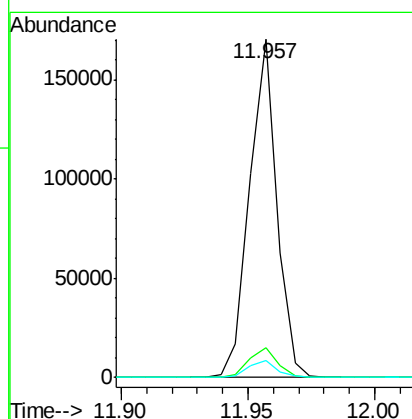
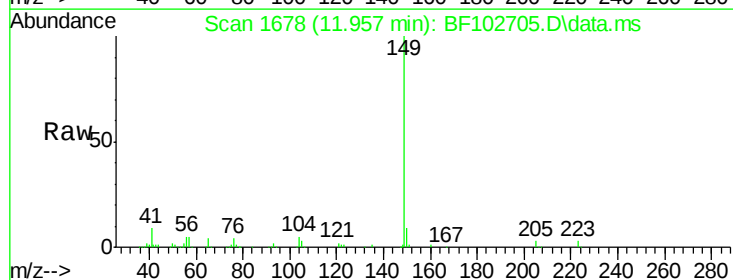
Tgt Ion:149 Resp: 127761

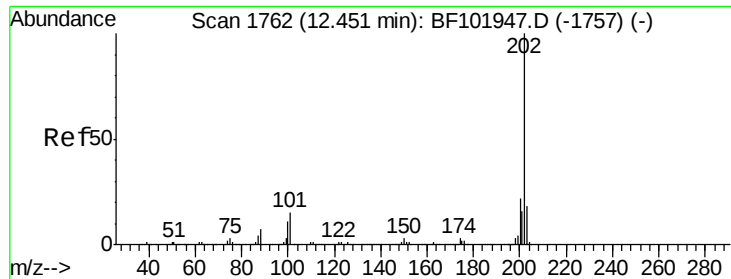
Ion Ratio Lower Upper

149 100

150 8.8 7.8 11.6

104 4.8 3.8 5.8





#74

Fluoranthene

Concen: 2.85 ng

RT: 12.604 min Scan# 17

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

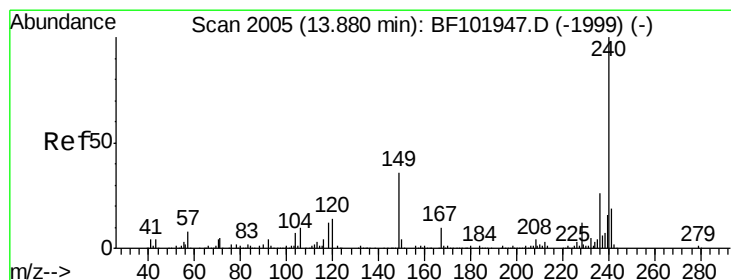
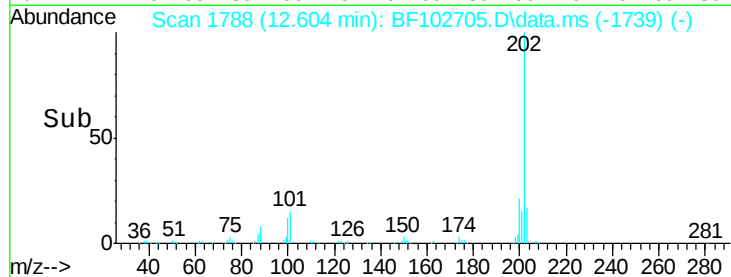
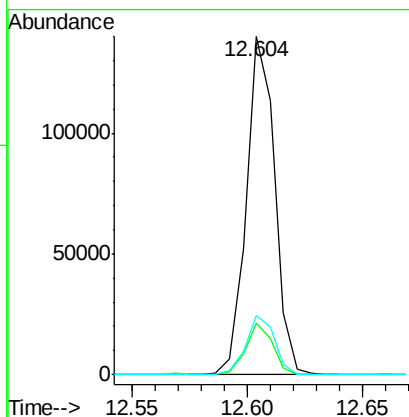
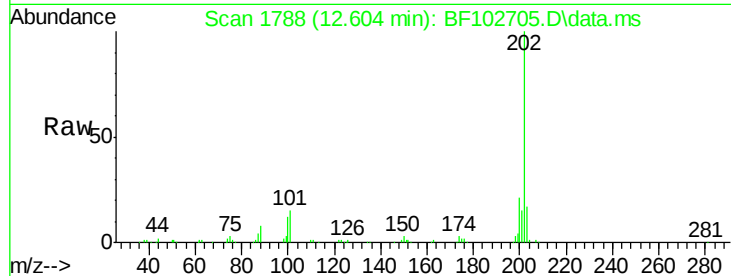
Tot Ion:202 Resp: 120058

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.1

203 17.4 0.0 38.1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

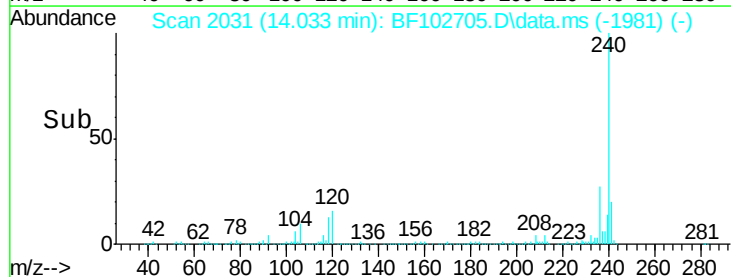
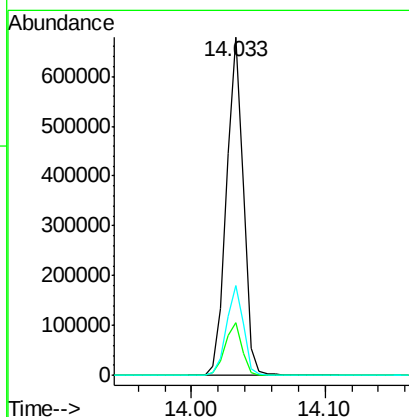
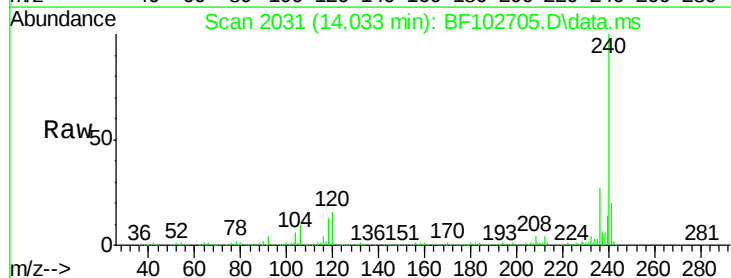
Tgt Ion:240 Resp: 610431

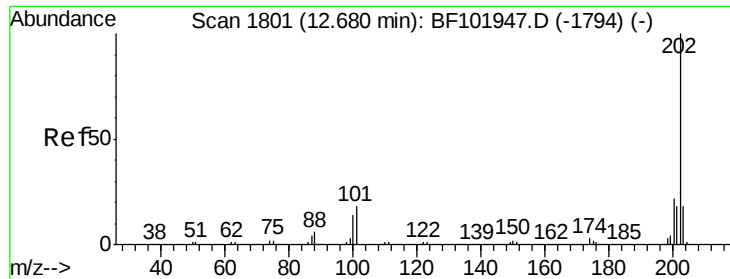
Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

236 26.6 20.7 31.1

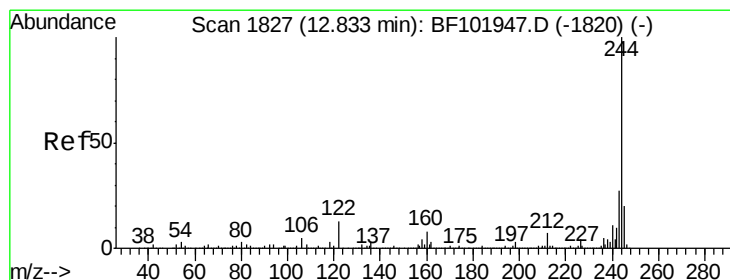
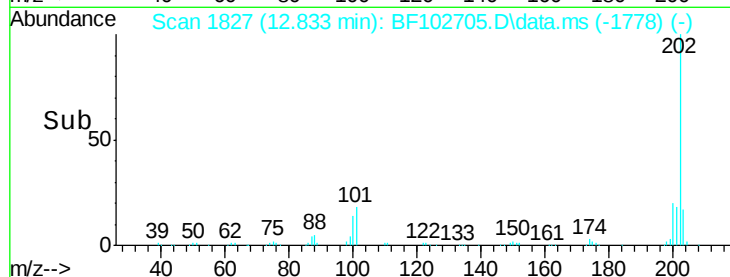
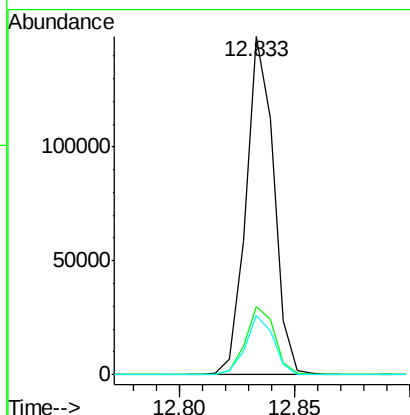
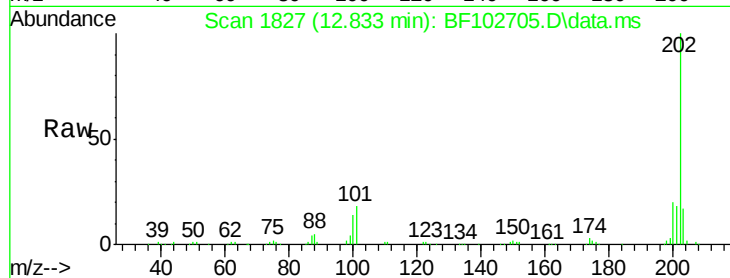




#77
Pvrene
Concen: 2.31 ng
RT: 12.833 min Scan# 1801
Delta R.T. -0.012 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

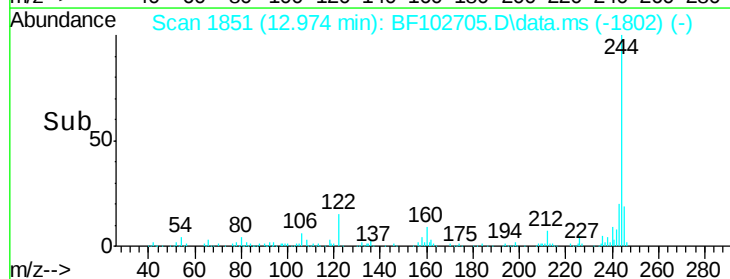
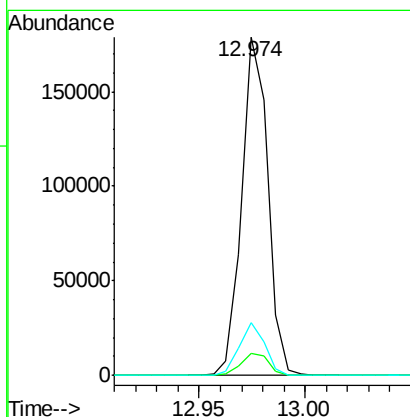
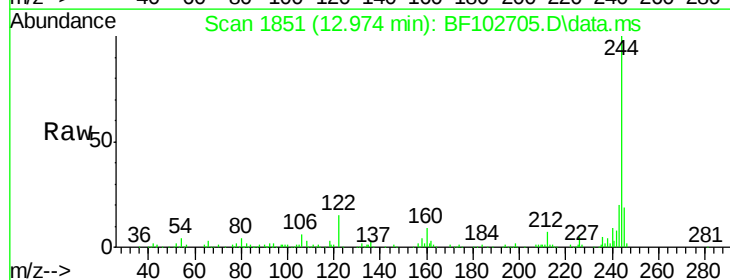
Instrument :
BNA_F
ClientSampleId :

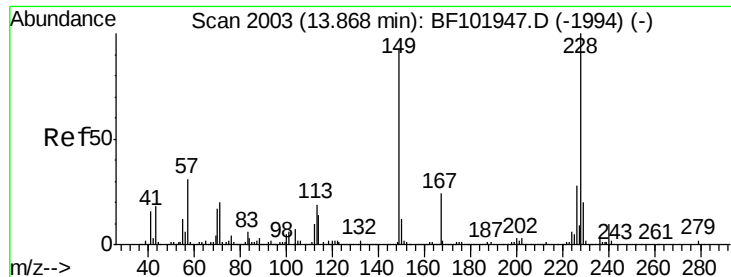
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	17.3	14.3	21.5



#78
Terphenyl-d14
Concen: 5.18 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	15.4	11.0	16.4





#80

Benzo(a)anthracene

Concen: 2.70 ng

RT: 14.021 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

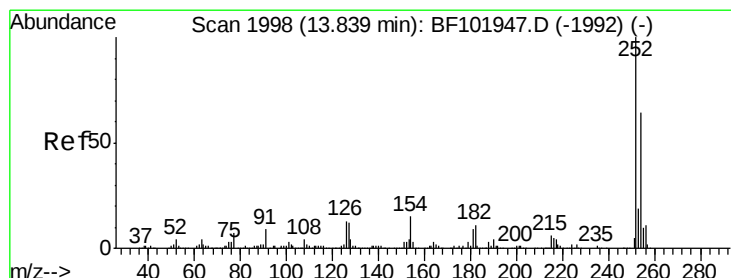
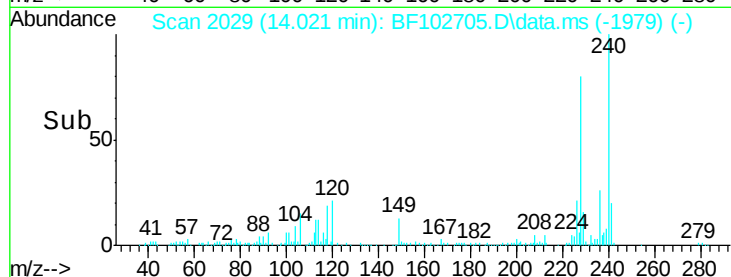
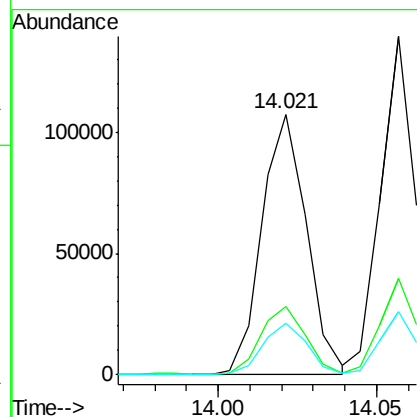
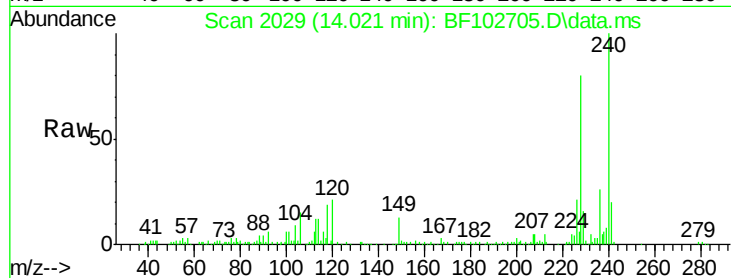
Tot Ion:228 Resp: 105184

Ion Ratio Lower Upper

228 100

226 25.9 22.6 33.8

229 19.9 15.8 23.6



#81

3,3'-Dichlorobenzidine

Concen: 2.09 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

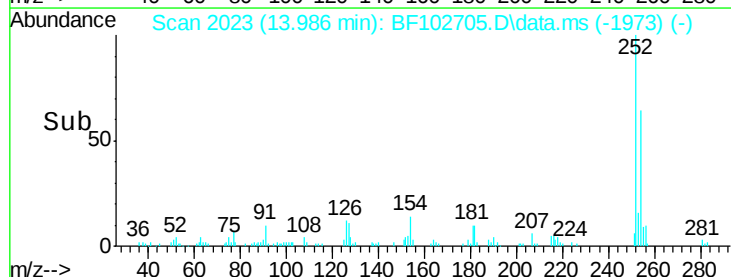
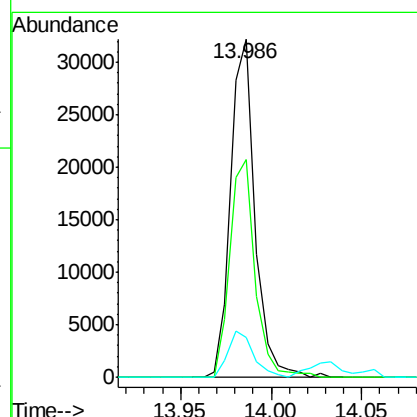
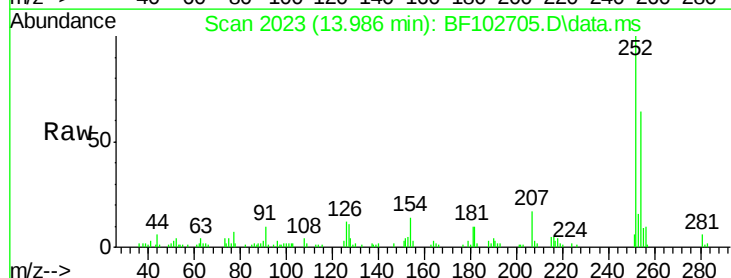
Tgt Ion:252 Resp: 30190

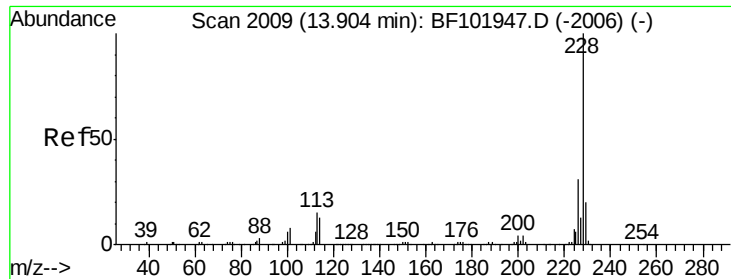
Ion Ratio Lower Upper

252 100

254 64.3 50.4 75.6

126 11.9 11.3 16.9





#82

Chrysene

Concen: 2.65 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

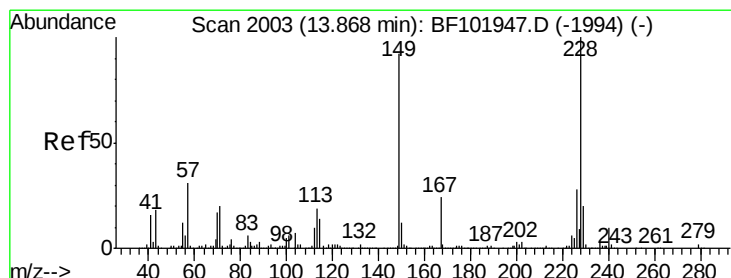
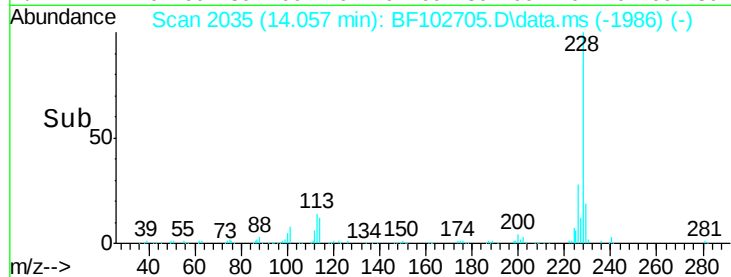
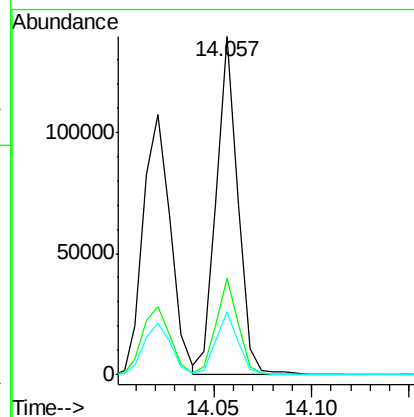
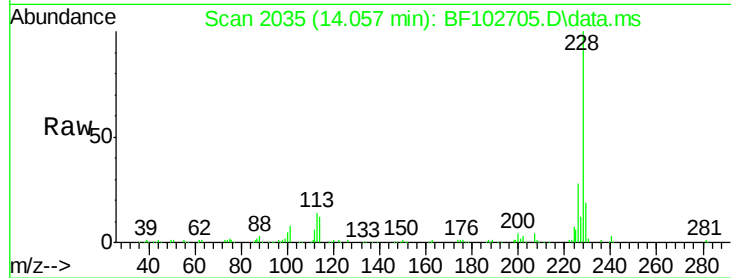
Tot Ion:228 Resp: 107545

Ion Ratio Lower Upper

228 100

226 28.5 25.0 37.6

229 18.8 16.2 24.4



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.32 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

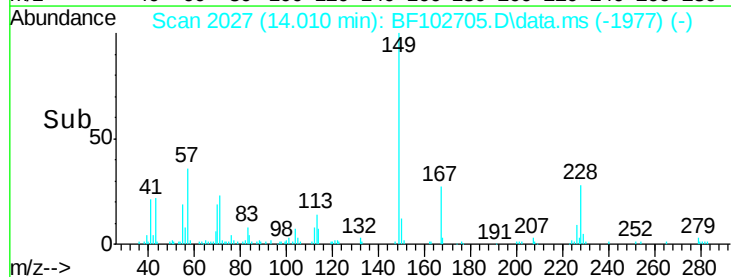
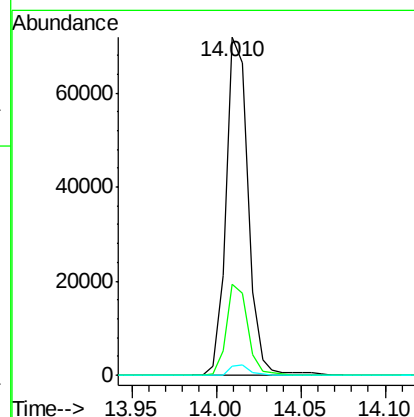
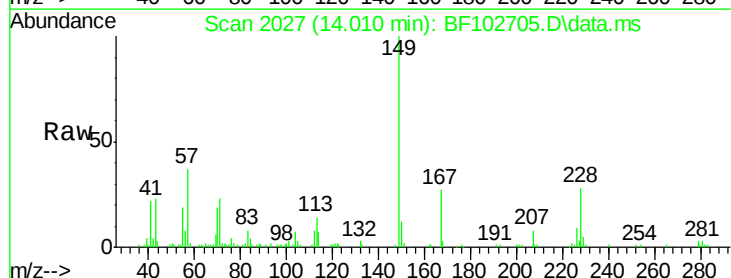
Tgt Ion:149 Resp: 65831

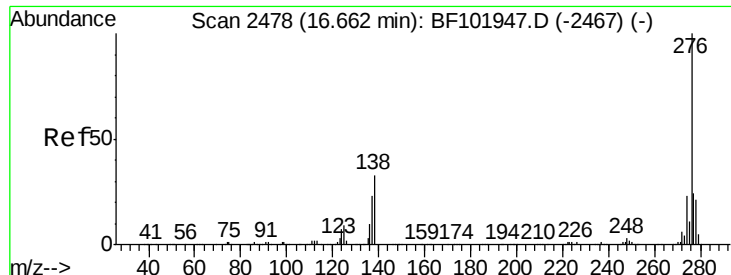
Ion Ratio Lower Upper

149 100

167 27.1 21.3 31.9

279 2.6 3.0 4.4#

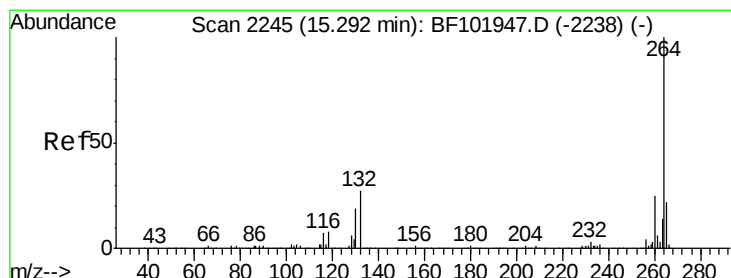
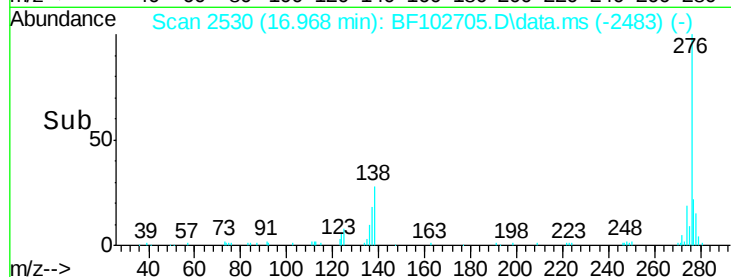
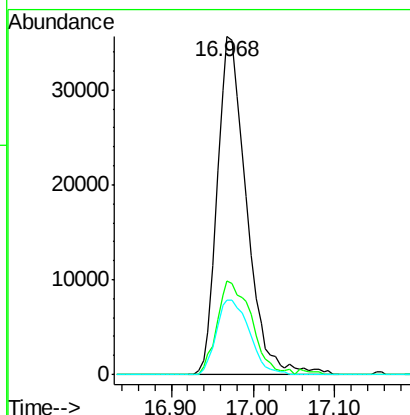
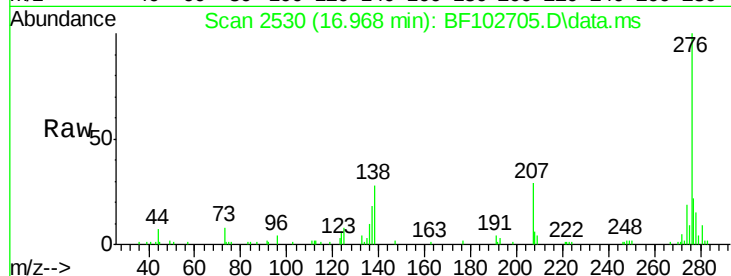




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.00 ng
RT: 16.968 min Scan# 25
Delta R.T. -0.023 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

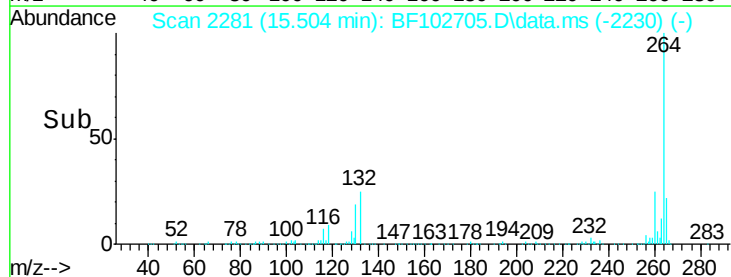
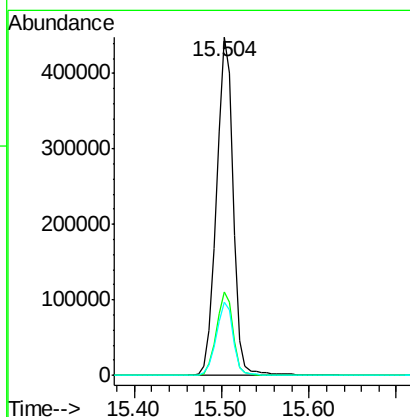
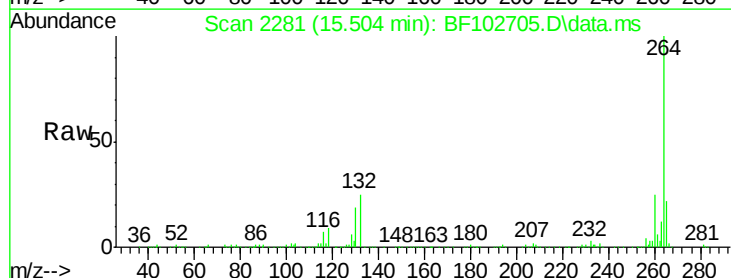
Instrument :
BNA_F
ClientSampleId :

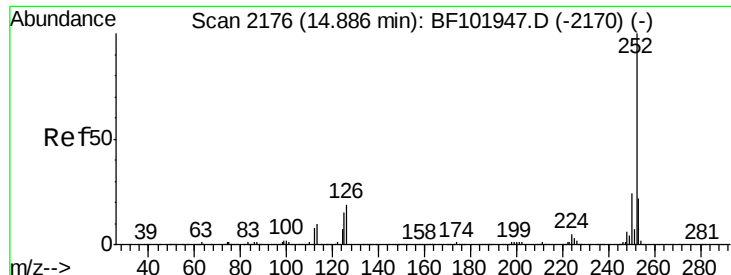
Tot Ion:276 Resp: 88722
Ion Ratio Lower Upper
276 100
138 32.4 25.0 37.6
277 25.0 20.1 30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion:264 Resp: 594951
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.38 ng

RT: 15.068 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

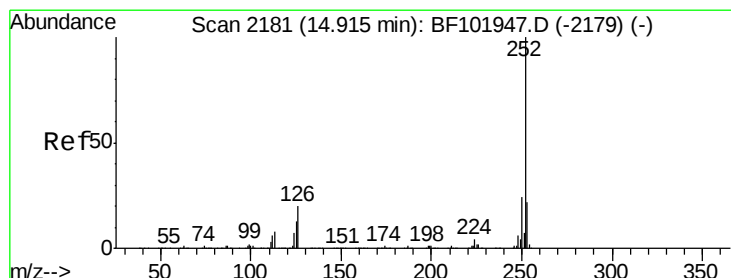
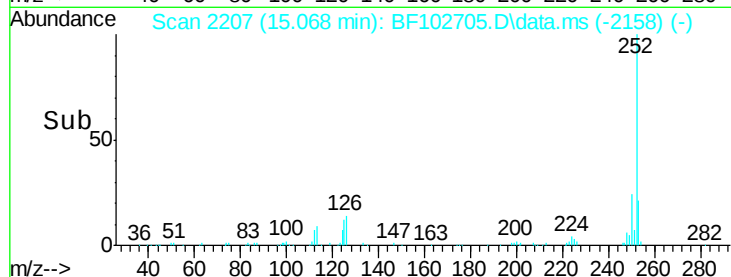
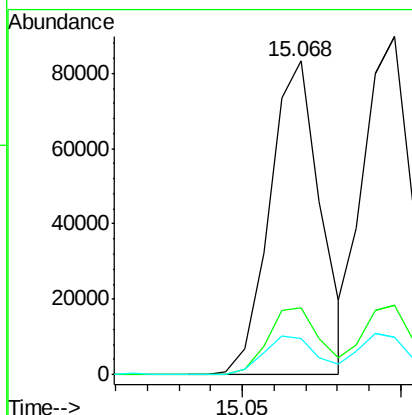
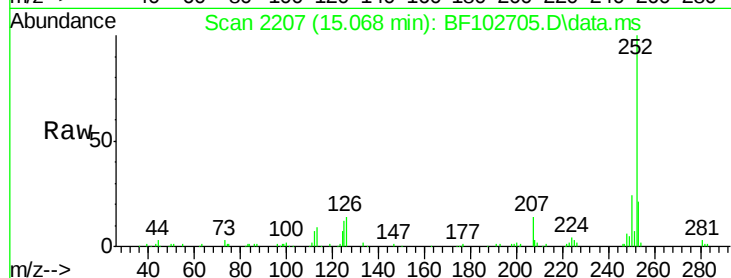
Tot Ion:252 Resp: 92492

Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.6

125 11.5 9.0 13.6



#88

Benzo(k)fluoranthene

Concen: 2.63 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

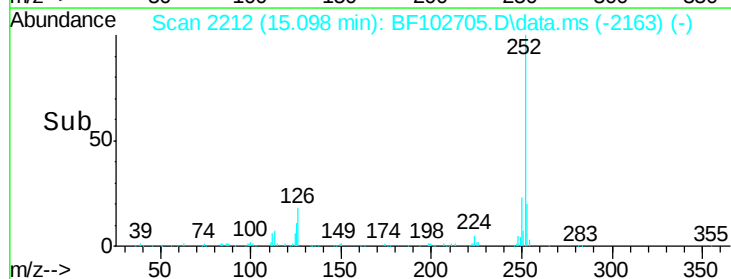
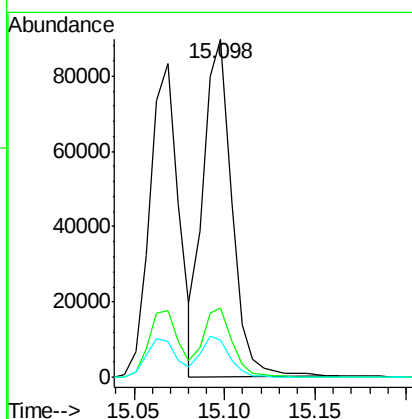
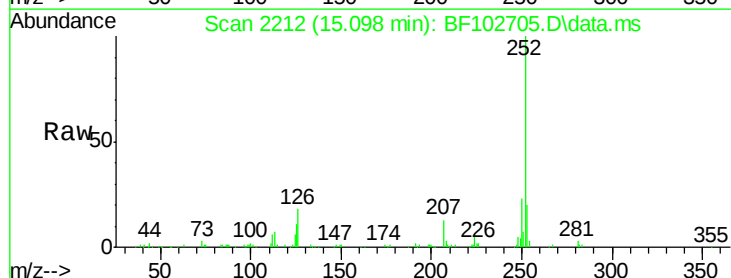
Tgt Ion:252 Resp: 98514

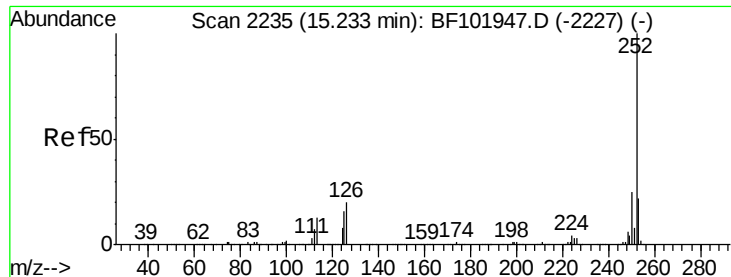
Ion Ratio Lower Upper

252 100

253 20.5 17.9 26.9

125 11.1 10.2 15.2

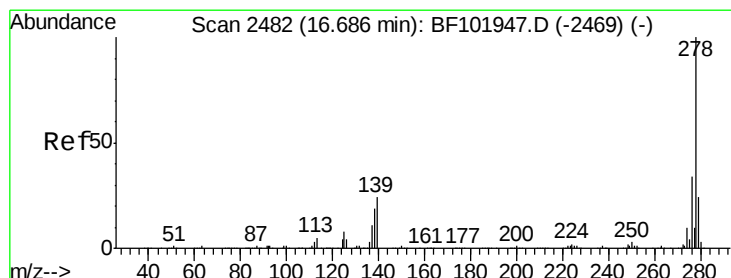
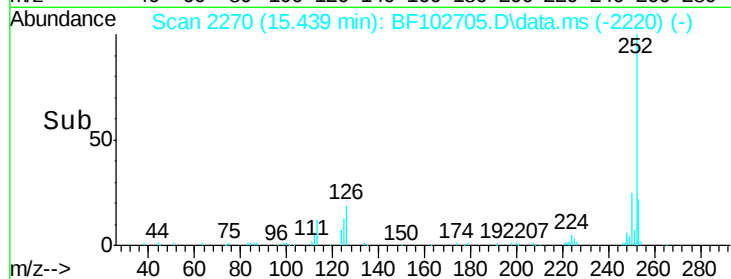
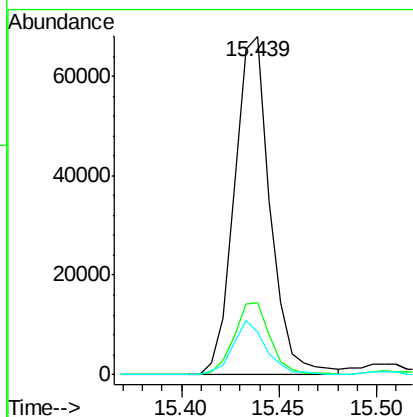
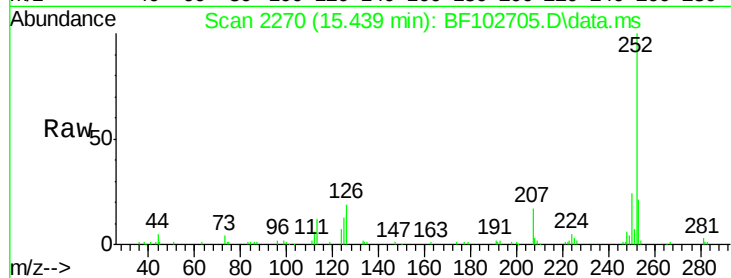




#89
Benzo(a)pyrene
Concen: 2.47 ng
RT: 15.439 min Scan# 22
Delta R.T. -0.006 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

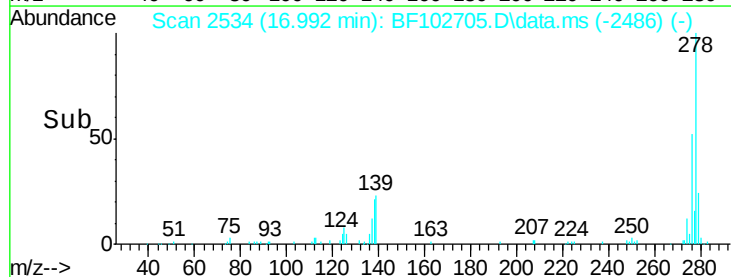
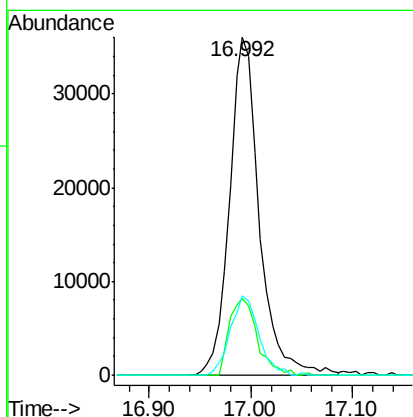
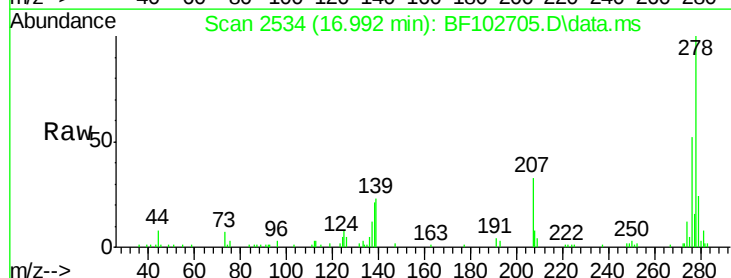
Instrument :
BNA_F
ClientSampleId :

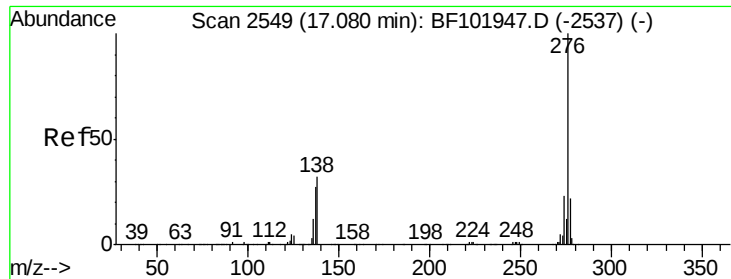
Tot Ion:252 Resp: 86393
Ion Ratio Lower Upper
252 100
253 21.2 17.1 25.7
125 12.6 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 2.64 ng
RT: 16.992 min Scan# 2534
Delta R.T. -0.017 min
Lab File: BF102705.D
Acq: 3 Feb 2018 9:05

Tgt Ion:278 Resp: 73420
Ion Ratio Lower Upper
278 100
139 22.7 15.9 23.9
279 23.6 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 2.55 ng

RT: 17.415 min Scan# 26

Delta R.T. -0.023 min

Lab File: BF102705.D

Acq: 3 Feb 2018 9:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 71550

Ion Ratio Lower Upper

276 100

277 23.6 17.9 26.9

138 27.0 21.8 32.8

