

Data Path : Z:\HPCHEM1\BNA F\Data\BF030118\
 Data File : BF103331.D
 Acq On : 1 Mar 2018 12:49
 Operator : SJ/JU
 Sample : J1720-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 14:00:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.875	152	149980	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	626719	20.00	ng	0.00
38) Acenaphthene-d10	9.910	164	242772	20.00	ng	0.00
63) Phenanthrene-d10	11.404	188	336668	20.00	ng	0.00
75) Chrysene-d12	14.057	240	237591	20.00	ng	0.00
86) Perylene-d12	15.563	264	225601	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	989281	99.76	ng	0.00
7) Phenol-d6	6.510	99	1191944	98.23	ng	0.00
23) Nitrobenzene-d5	7.440	82	829288	75.57	ng	0.00
41) 2,4,6-Tribromophenol	10.710	330	182659	88.89	ng	0.00
44) 2-Fluorobiphenyl	9.228	172	1048960	71.68	ng	0.00
78) Terphenyl-d14	12.986	244	650737	65.84	ng	0.00

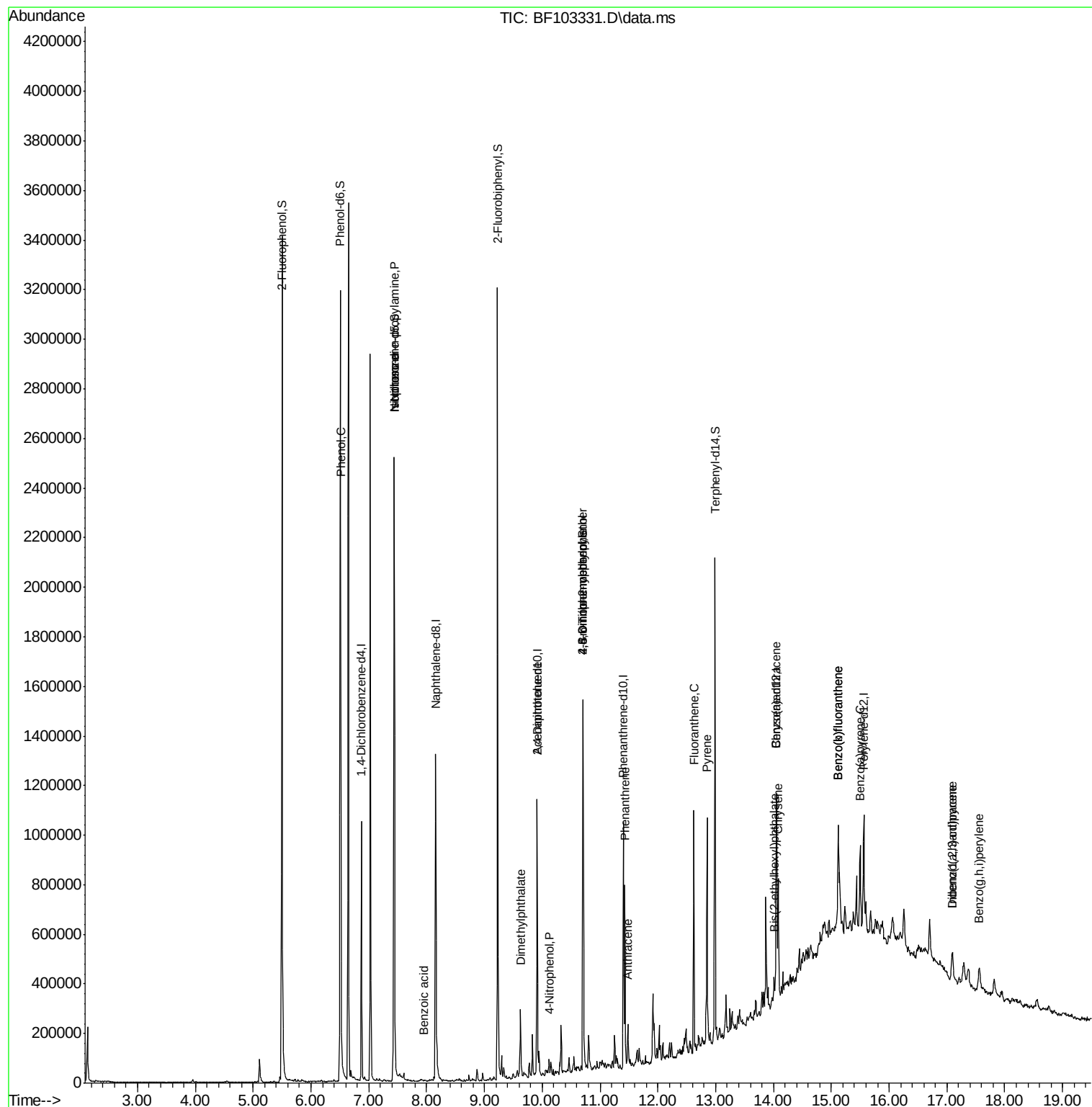
Target Compounds				Qvalue		
9) Benzaldehyde	6.445	77	864	Below Cal	#	72
10) Phenol	6.522	94	36006	2.56	ng	86
19) n-Nitroso-di-n-propyla...	7.440	70	113975	15.09	ng	# 87
25) Isophorone	7.440	82	829278	38.37	ng	# 64
32) Benzoic acid	7.957	122	129	6.93	ng	# 78
49) Dimethylphthalate	9.622	163	104462	5.36	ng	100
55) 4-Nitrophenol	10.122	139	7674	2.39	ng	# 18
56) 2,4-Dinitrotoluene	9.910	165	32406	6.27	ng	# 23
64) 4,6-Dinitro-2-methylph...	10.704	198	430	5.13	ng	# 1
66) 4-Bromophenyl-phenylether	10.704	248	11742	3.35	ng	# 1
70) Phenanthrene	11.428	178	229810	12.40	ng	98
71) Anthracene	11.480	178	60825	3.20	ng	98
74) Fluoranthene	12.622	202	370336	19.89	ng	98
77) Pyrene	12.851	202	351161	18.96	ng	99
80) Benzo(a)anthracene	14.045	228	200344	13.00	ng	99
82) Chrysene	14.080	228	172279	11.51	ng	97
83) Bis(2-ethylhexyl)phtha...	14.010	149	27911	2.11	ng	94
85) Indeno(1,2,3-cd)pyrene	17.092	276	78736	6.64	ng	97
87) Benzo(b)fluoranthene	15.121	252	316420	21.33	ng	# 91
88) Benzo(k)fluoranthene	15.121	252	316420	22.65	ng	# 94
89) Benzo(a)pyrene	15.498	252	161821	12.22	ng	# 92
90) Dibenzo(a,h)anthracene	17.092	278	21871	2.14	ng	# 68
91) Benzo(g,h,i)perylene	17.557	276	76836	7.68	ng	# 87

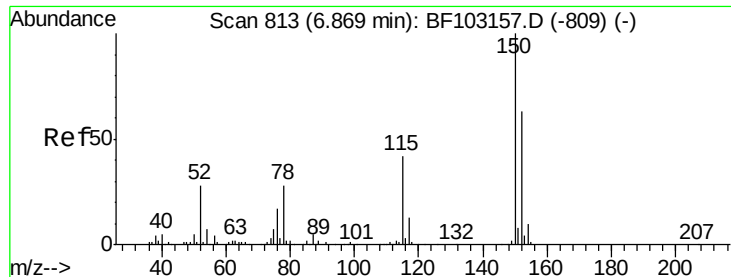
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.875 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

Instrument :

BNA_F

ClientSampleId :

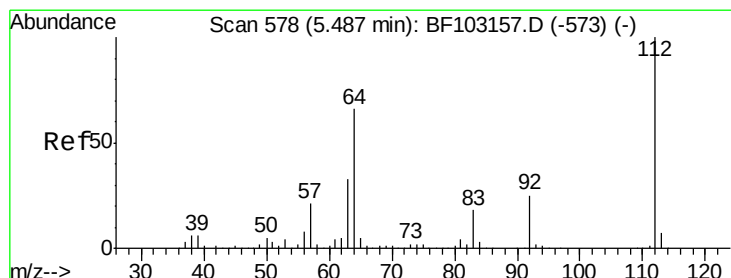
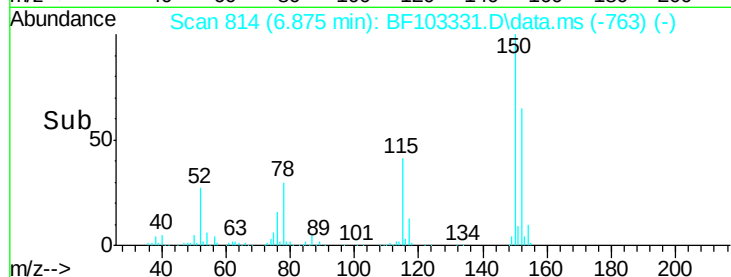
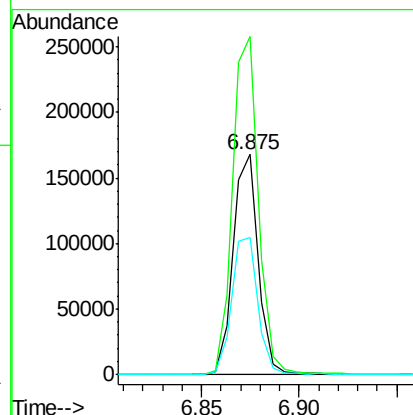
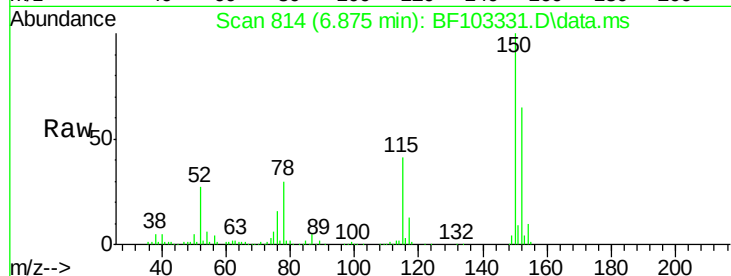
Tot Ion:152 Resp: 149980

Ion Ratio Lower Upper

152 100

150 153.5 124.6 186.8

115 62.4 50.1 75.1



#5

2-Fluorophenol

Concen: 99.76 ng

RT: 5.498 min Scan# 580

Delta R.T. 0.006 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

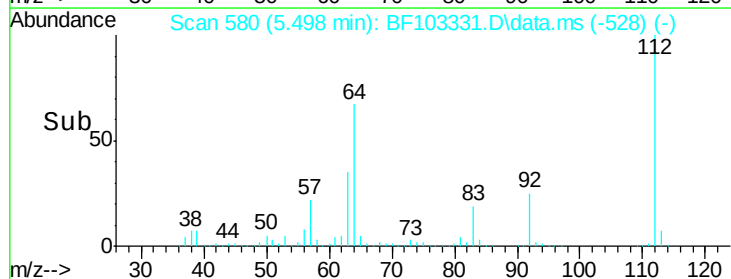
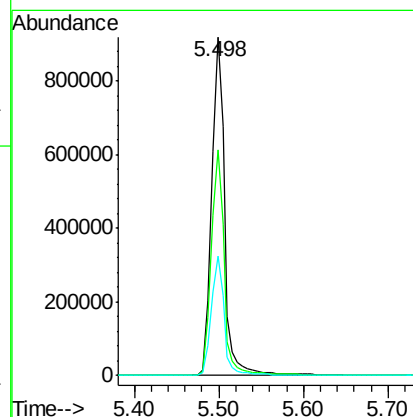
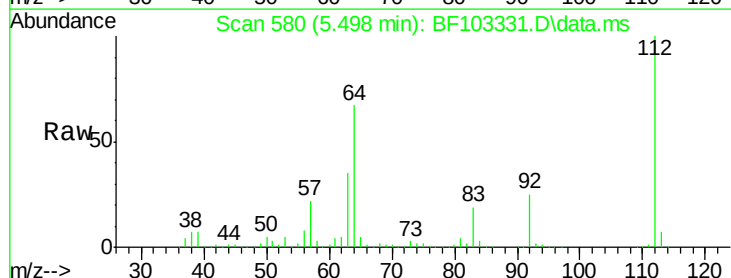
Tgt Ion:112 Resp: 989281

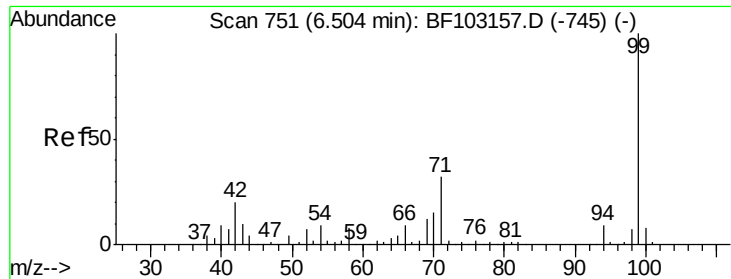
Ion Ratio Lower Upper

112 100

64 66.7 47.9 71.9

63 35.1 23.7 35.5





#7

Phenol-d6

Concen: 98.23 ng

RT: 6.510 min Scan# 751

Delta R.T. 0.000 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

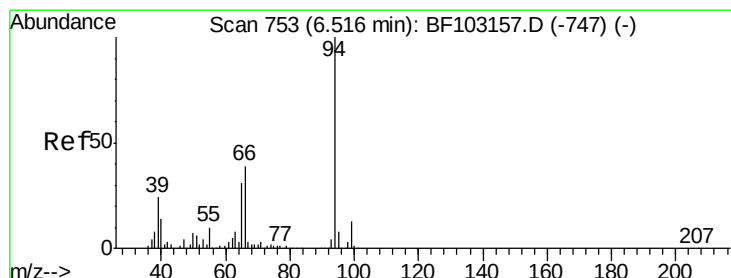
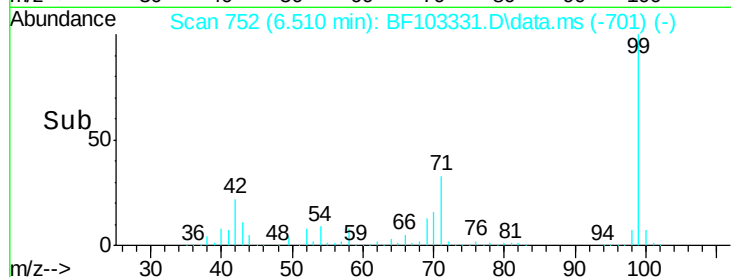
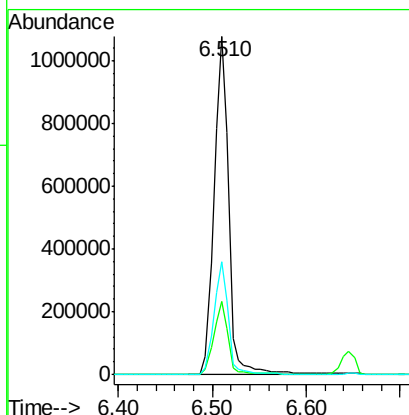
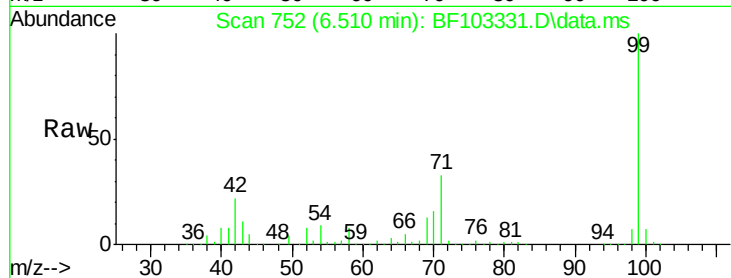
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1191944

Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.5	21.7
71	33.4	25.4	38.0



#10

Phenol

Concen: 2.56 ng

RT: 6.522 min Scan# 754

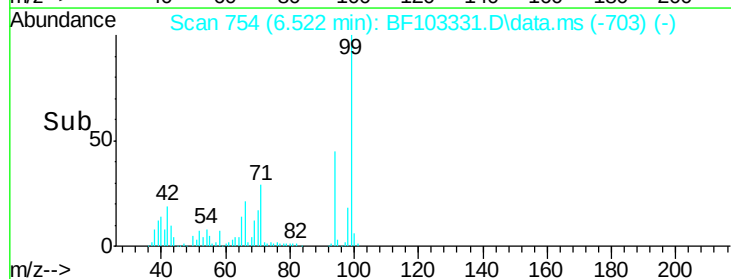
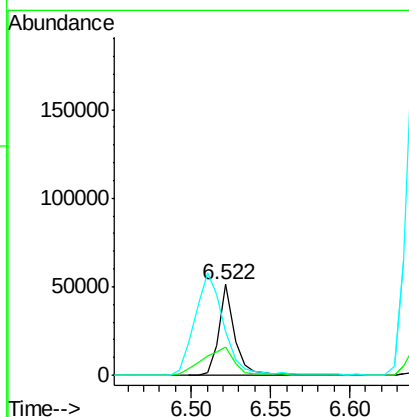
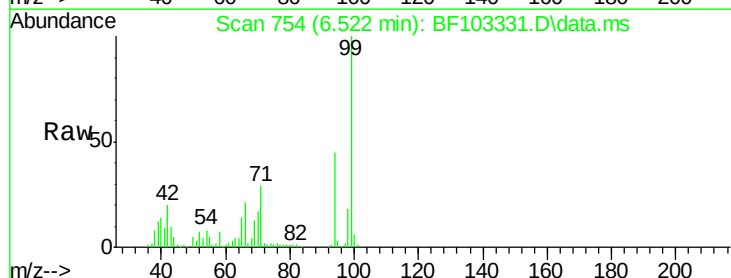
Delta R.T. 0.000 min

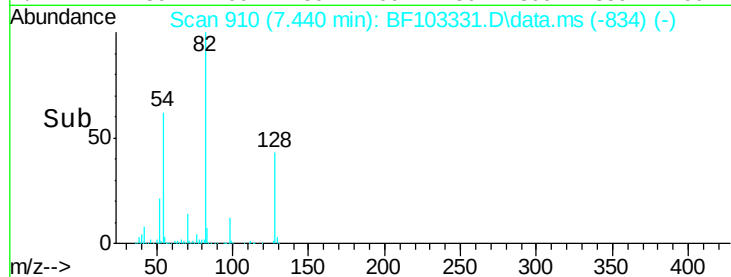
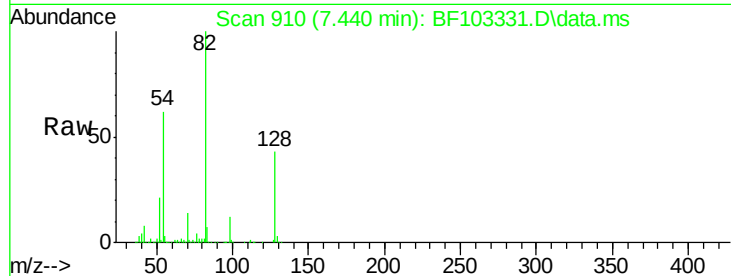
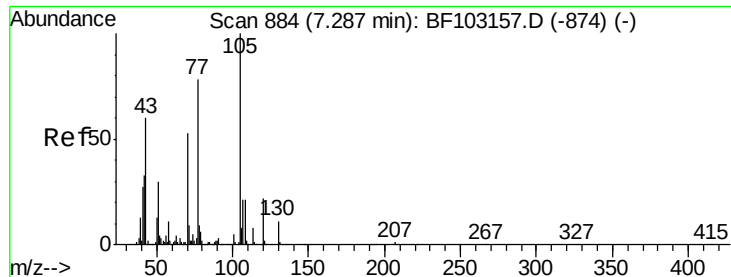
Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

Tgt Ion: 94 Resp: 36006

Ion	Ratio	Lower	Upper
94	100		
65	31.6	7.9	47.9
66	47.7	16.2	56.2

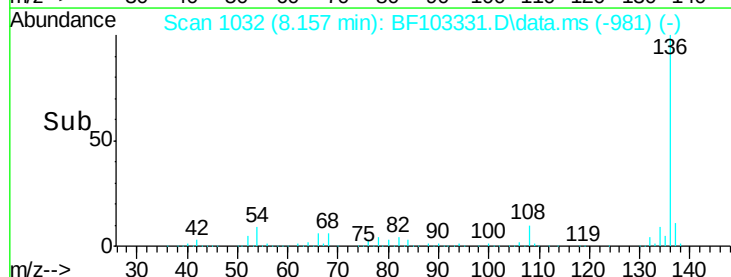
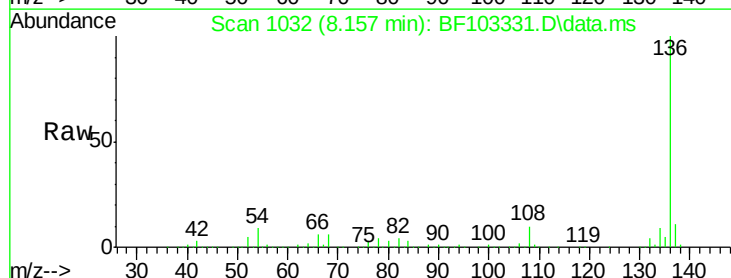
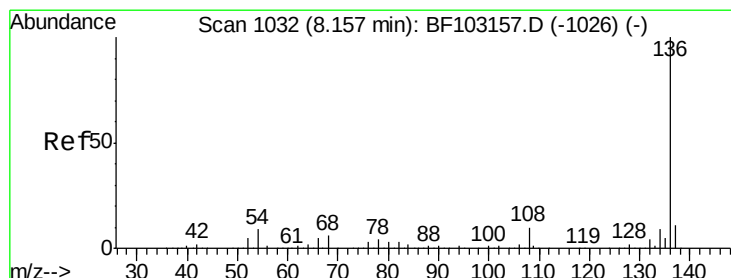
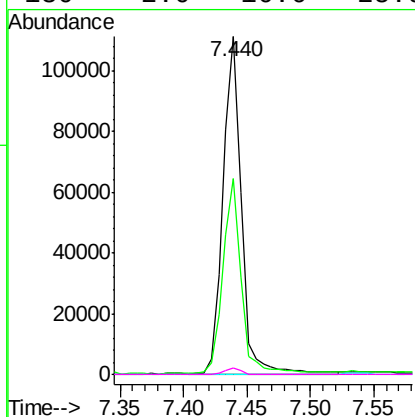




#19
n-Nitroso-di-n-propylamine
Concen: 15.09 ng
RT: 7.440 min Scan# 91
Delta R.T. 0.147 min
Lab File: BF103331.D
Acq: 1 Mar 2018 12:49

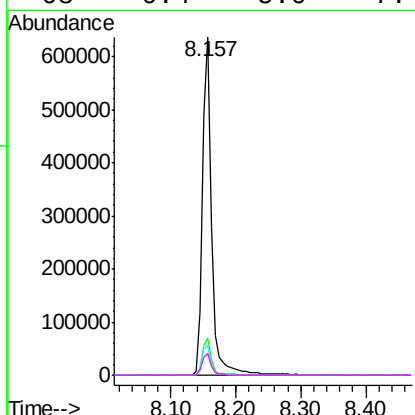
Instrument :
BNA_F
ClientSampleId :

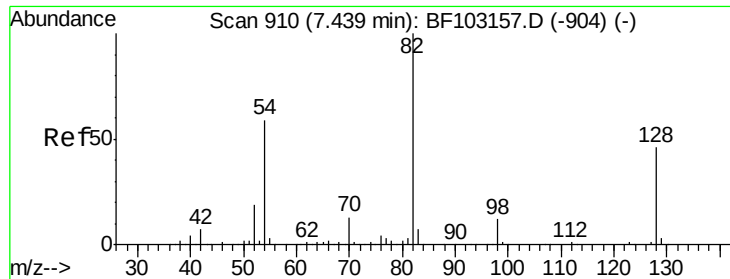
Tot Ion: 70 Resp: 113975
Ion Ratio Lower Upper
70 100
42 58.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF103331.D
Acq: 1 Mar 2018 12:49

Tgt Ion: 136 Resp: 626719
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.8 6.6 9.8
68 6.4 5.0 7.4

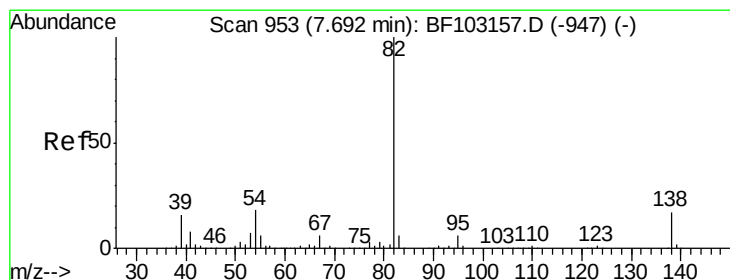
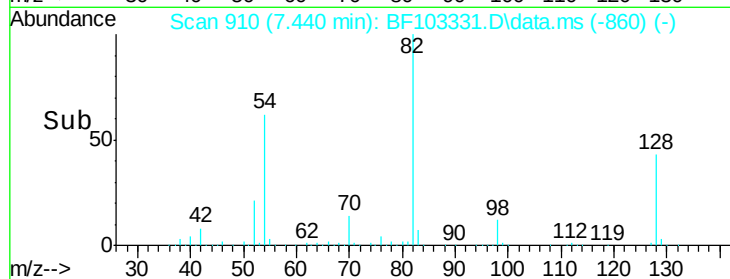
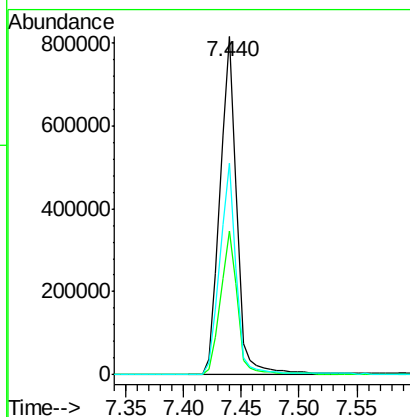
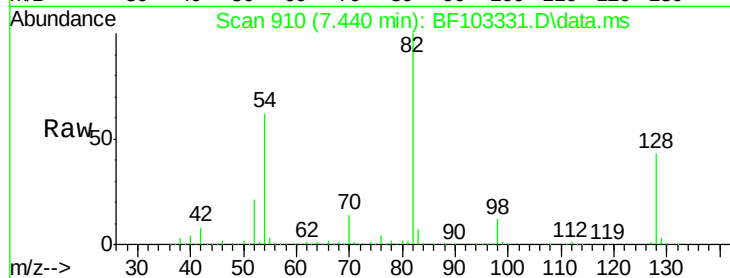




#23
Nitrobenzene-d5
Concen: 75.57 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF103331.D
Acq: 1 Mar 2018 12:49

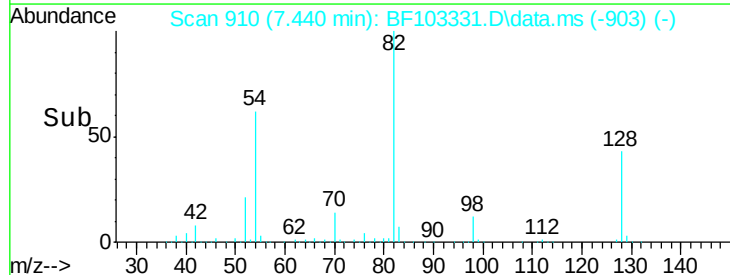
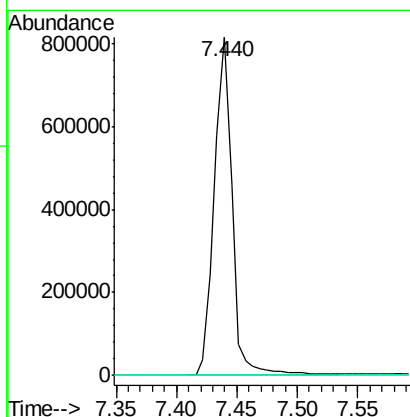
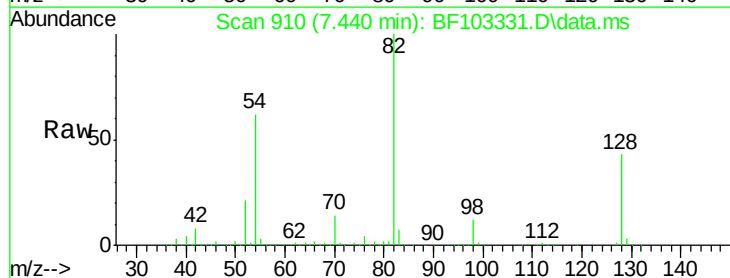
Instrument :
BNA_F
ClientSampleId :

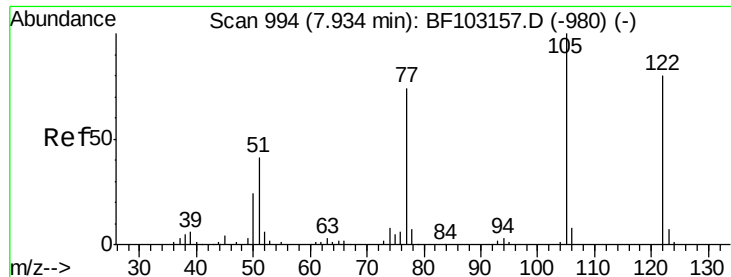
Tot Ion	82	Resp	829288
Ion Ratio	Lower	Upper	
82	100		
128	42.6	36.1	54.1
54	62.3	41.4	62.2#



#25
Isophorone
Concen: 38.37 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.259 min
Lab File: BF103331.D
Acq: 1 Mar 2018 12:49

Tgt Ion	82	Resp	829278
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#32

Benzoic acid

Concen: 6.93 ng

RT: 7.957 min Scan# 99

Delta R.T. 0.012 min

Lab File: BF103331.D

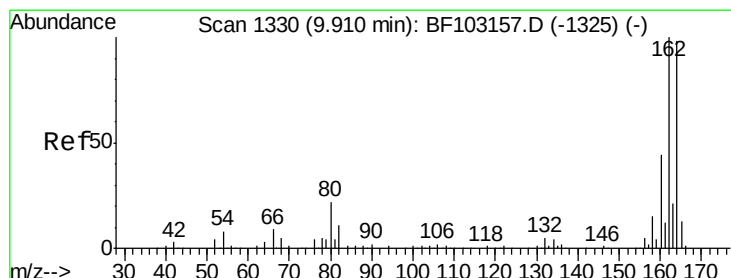
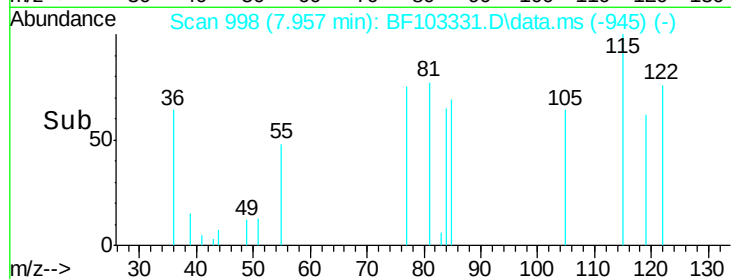
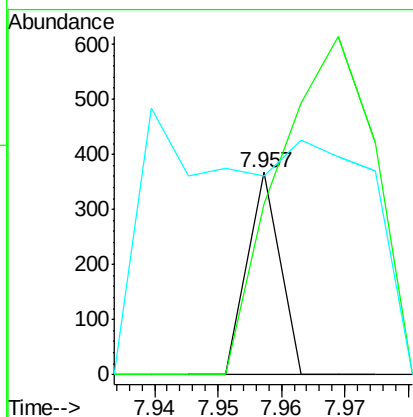
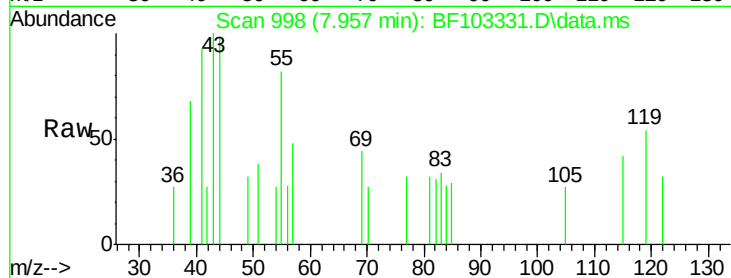
Acq: 1 Mar 2018 12:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	122	Resp:	129
Ion Ratio	Lower	Upper	
122	100		
105	84.2	101.1	141.1#
77	98.1	70.7	110.7



#38

Acenaphthene-d10

Concen: 20.00 ng

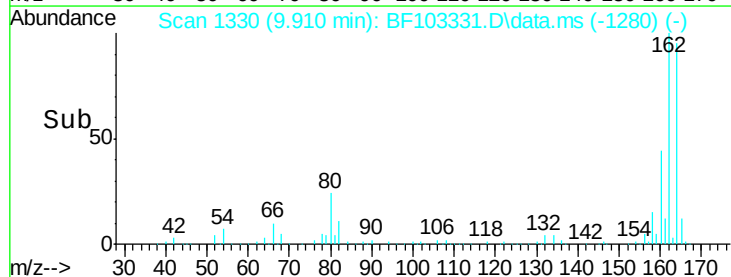
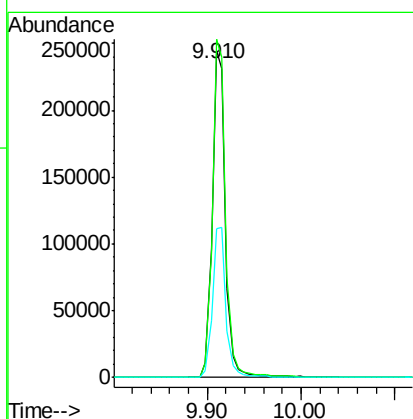
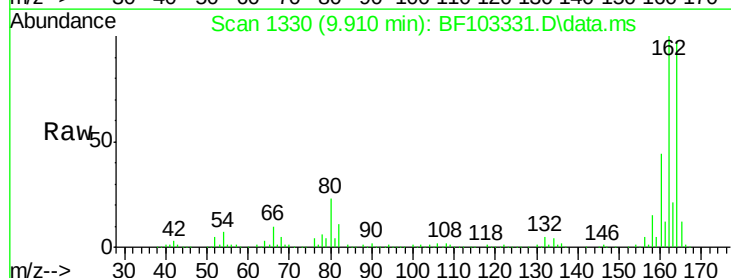
RT: 9.910 min Scan# 1330

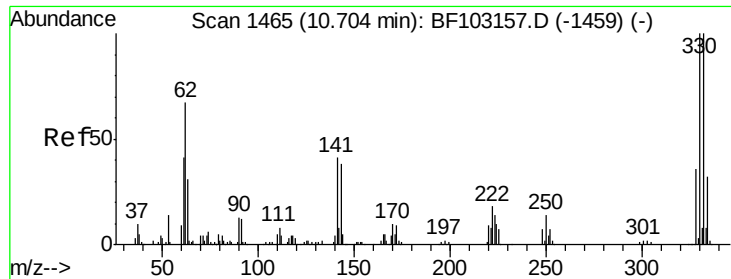
Delta R.T. -0.006 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

Tgt Ion:	164	Resp:	242772
Ion Ratio	Lower	Upper	
164	100		
162	103.4	86.1	129.1
160	45.3	38.3	57.5

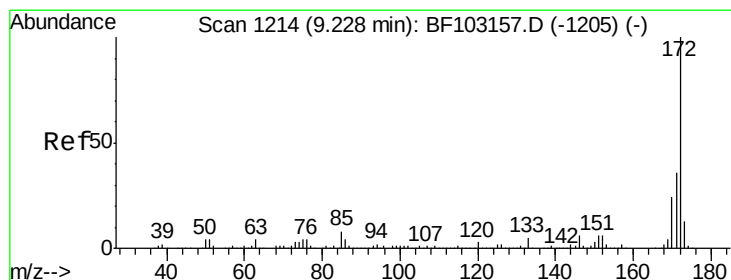
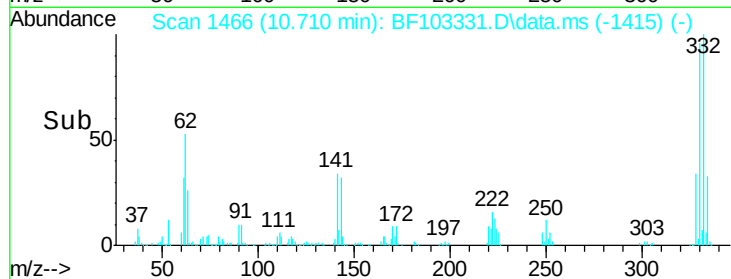
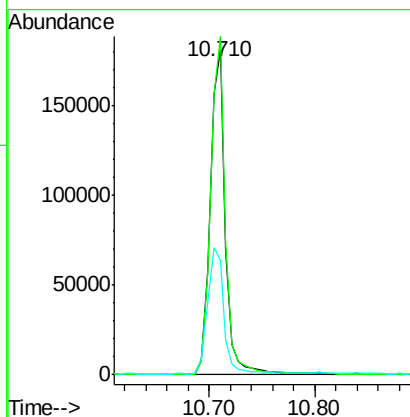
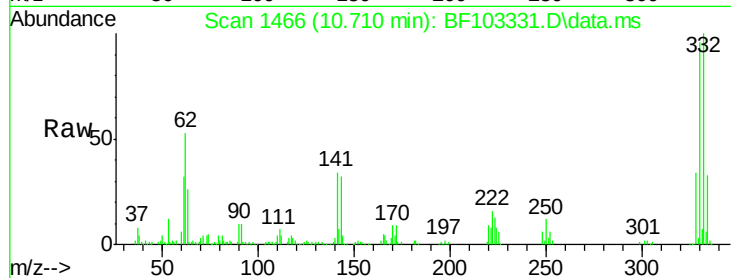




#41
 2,4,6-Tribromophenol
 Concen: 88.89 ng
 RT: 10.710 min Scan# 1466
 Delta R.T. 0.000 min
 Lab File: BF103331.D
 Acq: 1 Mar 2018 12:49

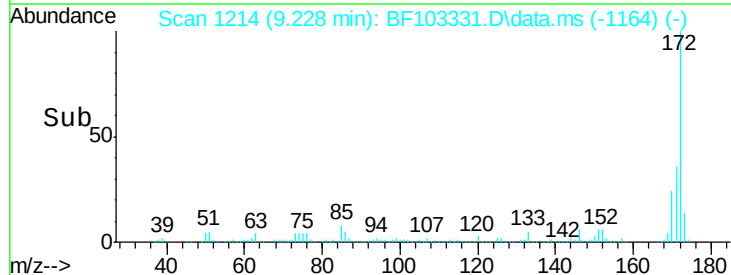
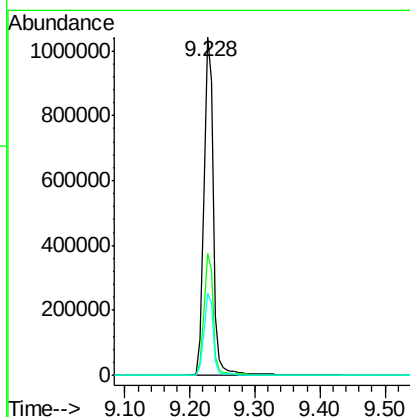
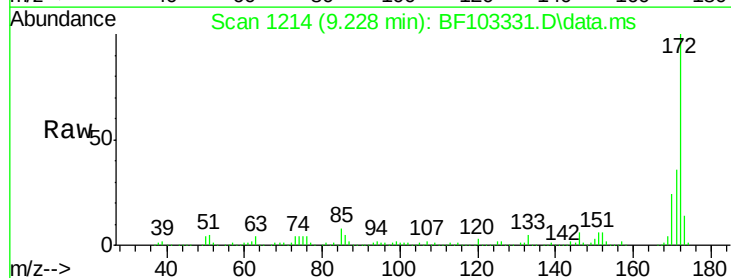
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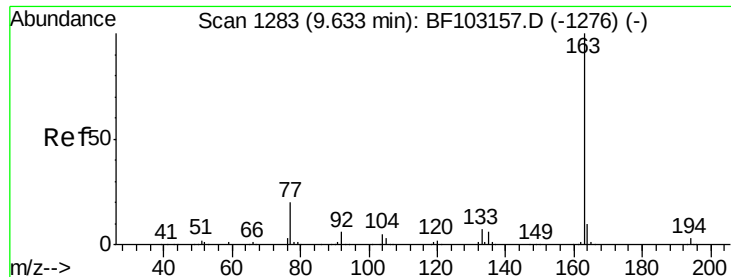
Tot Ion:330 Resp: 182659
 Ion Ratio Lower Upper
 330 100
 332 101.8 77.0 115.6
 141 43.6 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 71.68 ng
 RT: 9.228 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: BF103331.D
 Acq: 1 Mar 2018 12:49

Tgt Ion:172 Resp: 1048960
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.4 19.6 29.4

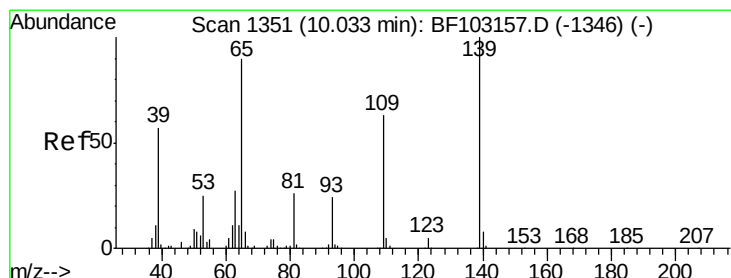
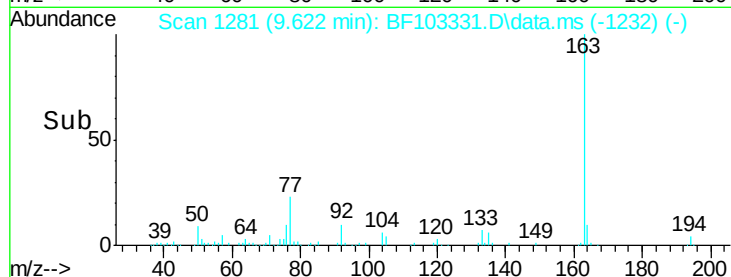
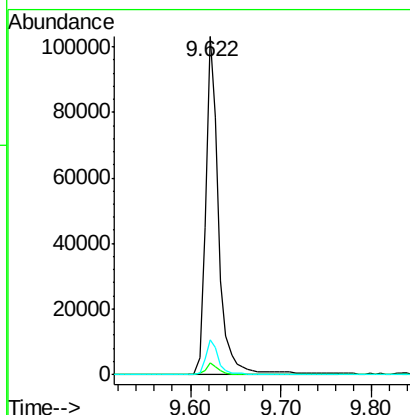
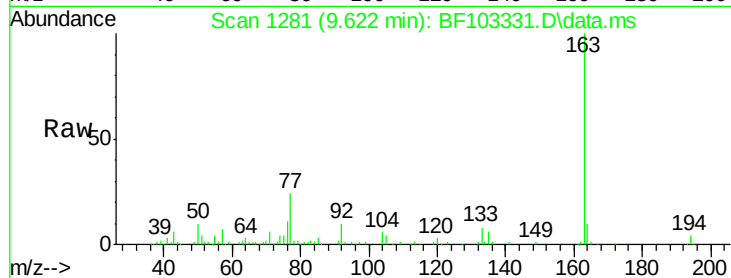




#49
 Dimethylphthalate
 Concen: 5.36 ng
 RT: 9.622 min Scan# 1281
 Delta R.T. -0.012 min
 Lab File: BF103331.D
 Acq: 1 Mar 2018 12:49

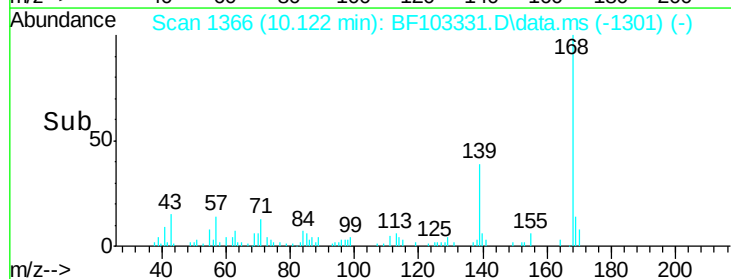
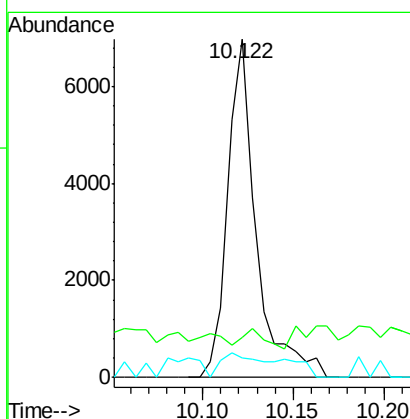
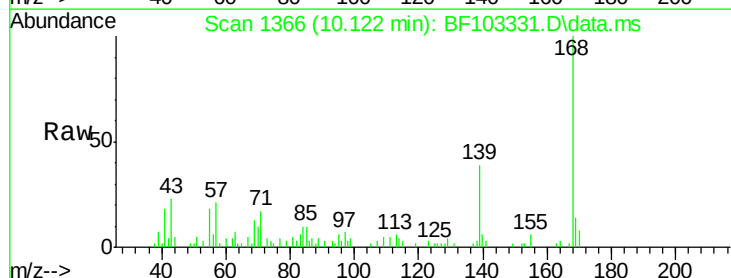
Instrument :
 BNA_F
 ClientSampleId :

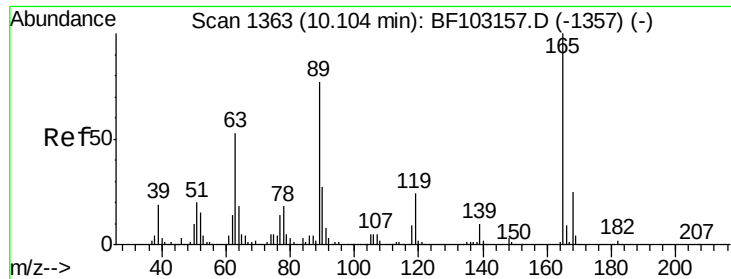
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.3	8.2	12.2



#55
 4-Nitrophenol
 Concen: 2.39 ng
 RT: 10.122 min Scan# 1366
 Delta R.T. 0.082 min
 Lab File: BF103331.D
 Acq: 1 Mar 2018 12:49

Tgt Ion	Ratio	Lower	Upper
139	100		
109	11.9	48.4	88.4#
65	5.7	72.6	112.6#

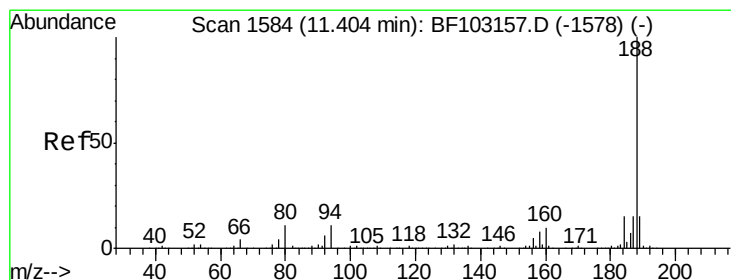
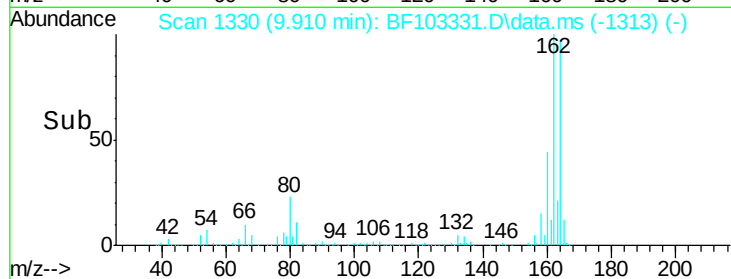
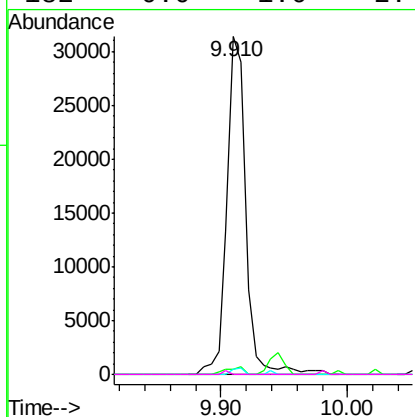
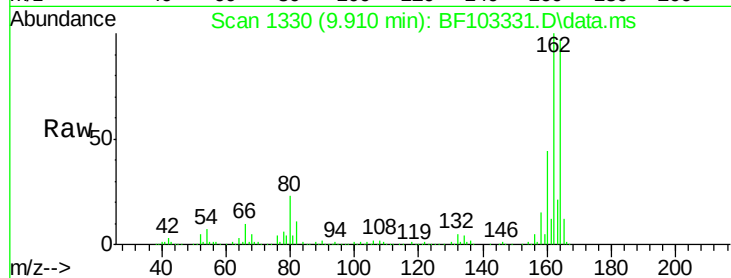




#56
2,4-Dinitrotoluene
Concen: 6.27 ng
RT: 9.910 min Scan# 1363
Delta R.T. -0.200 min
Lab File: BF103331.D
Acq: 1 Mar 2018 12:49

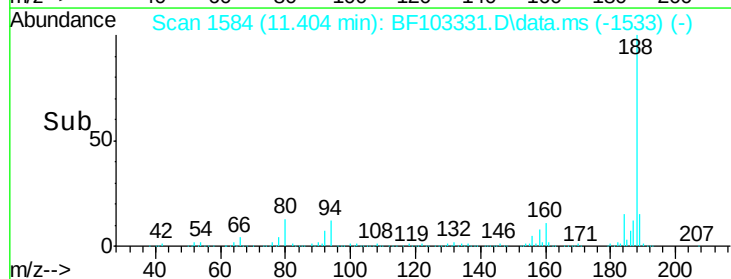
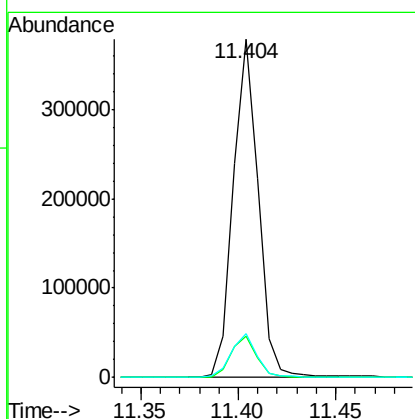
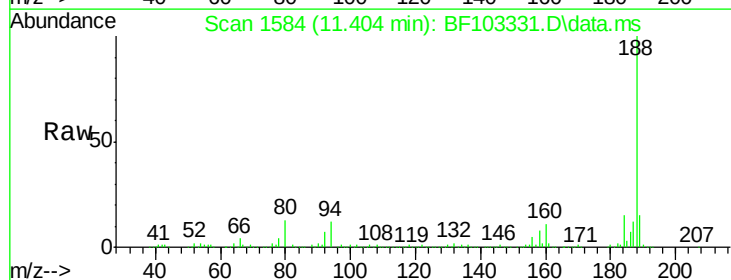
Instrument :
BNA_F
ClientSampleId :

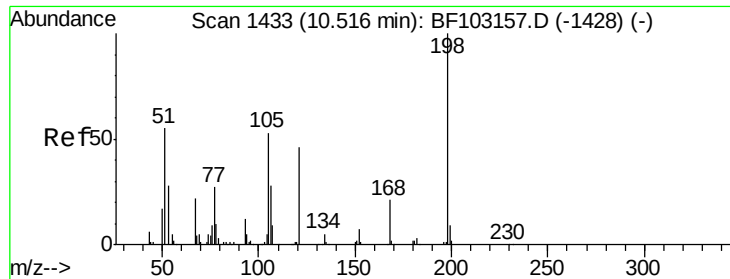
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF103331.D
Acq: 1 Mar 2018 12:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.2	8.5	12.7
80	13.0	9.2	13.8

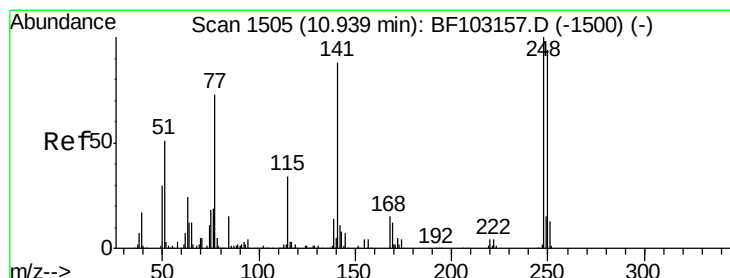
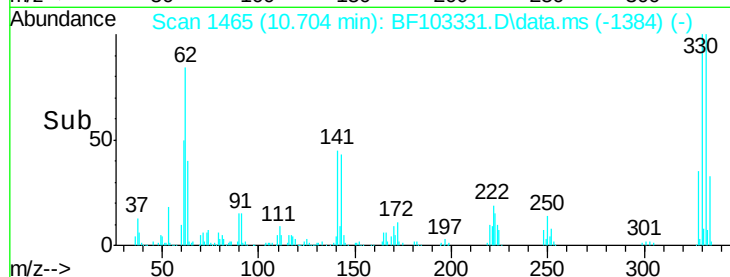
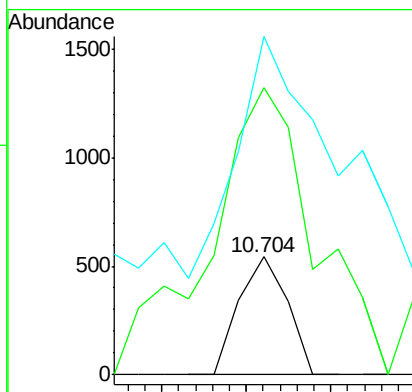
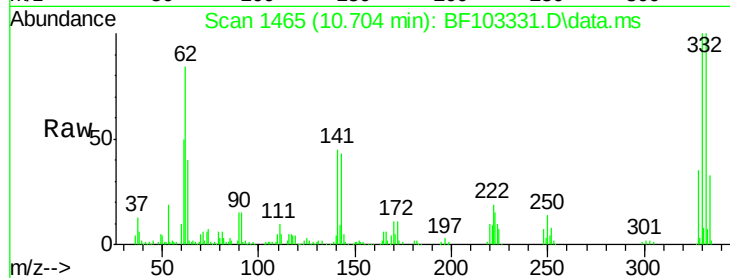




#64
4,6-Dinitro-2-methylphenol
Concen: 5.13 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.177 min
Lab File: BF103331.D
Acq: 1 Mar 2018 12:49

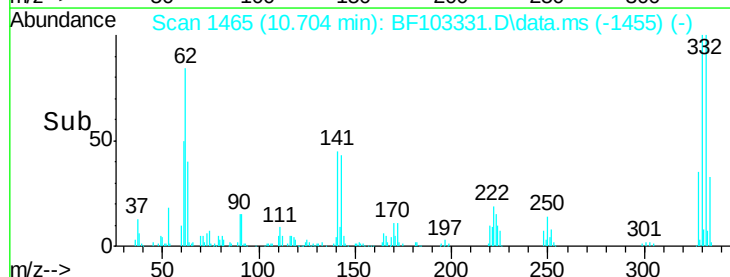
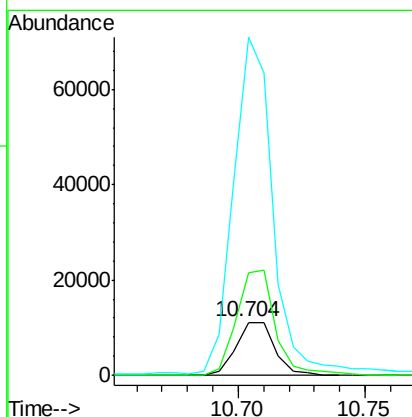
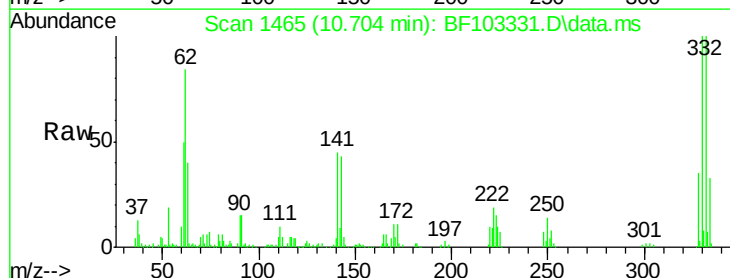
Instrument :
BNA_F
ClientSampleId :

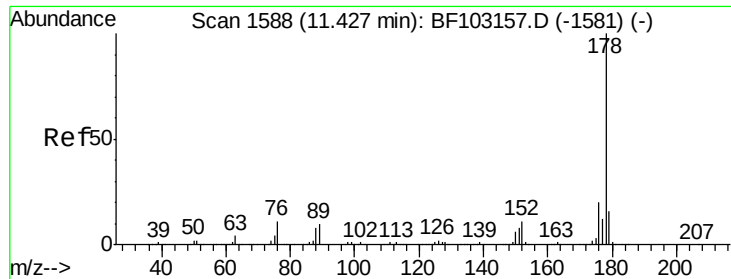
Tot Ion:198 Resp: 430
Ion Ratio Lower Upper
198 100
51 243.6 37.7 77.7#
105 286.9 36.3 76.3#



#66
4-Bromophenyl-phenylether
Concen: 3.35 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.241 min
Lab File: BF103331.D
Acq: 1 Mar 2018 12:49

Tgt Ion:248 Resp: 11742
Ion Ratio Lower Upper
248 100
250 194.7 76.9 115.3#
141 639.6 74.4 111.6#





#70

Phenanthrene

Concen: 12.40 ng

RT: 11.428 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

Instrument :

BNA_F

ClientSampleId :

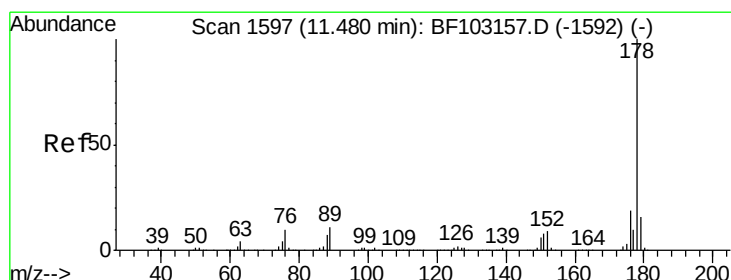
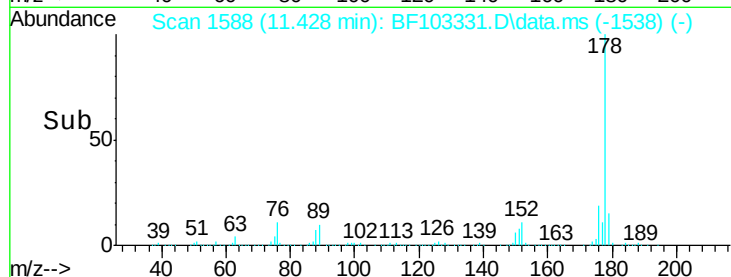
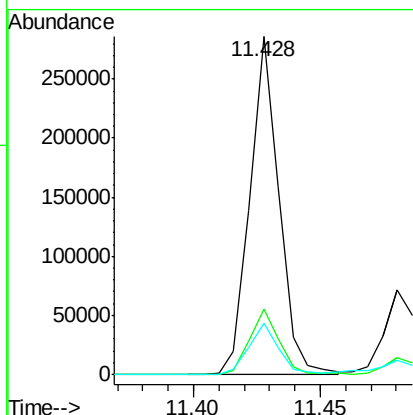
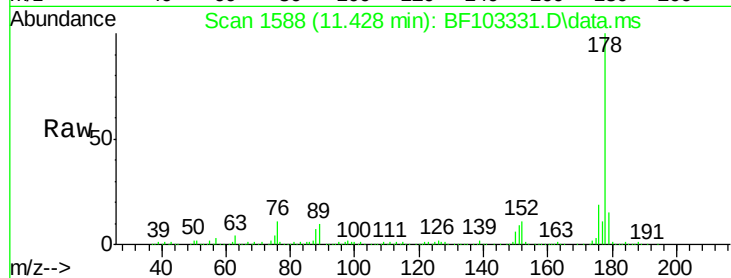
Tot Ion:178 Resp: 229810

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

179 15.1 13.0 19.6



#71

Anthracene

Concen: 3.20 ng

RT: 11.480 min Scan# 1597

Delta R.T. -0.006 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

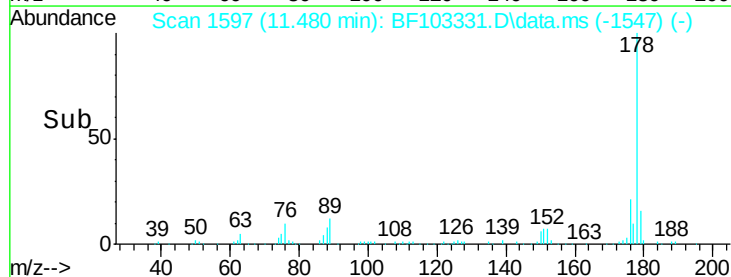
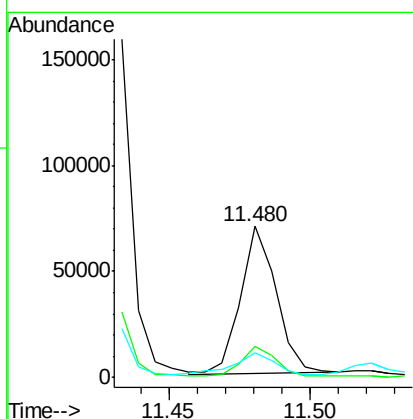
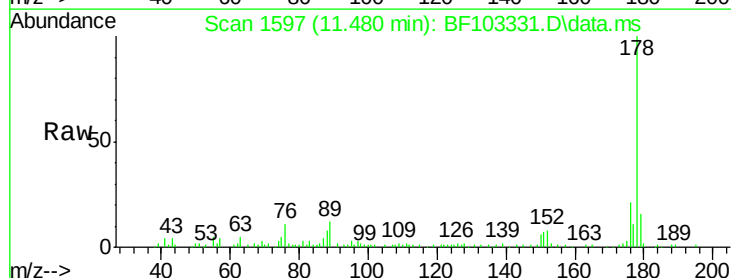
Tgt Ion:178 Resp: 60825

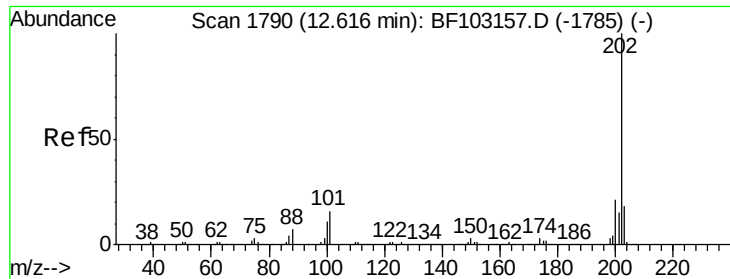
Ion Ratio Lower Upper

178 100

176 20.7 15.4 23.2

179 16.4 12.6 19.0





#74

Fluoranthene

Concen: 19.89 ng

RT: 12.622 min Scan# 17

Delta R.T. 0.000 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

Instrument :

BNA_F

ClientSampleId :

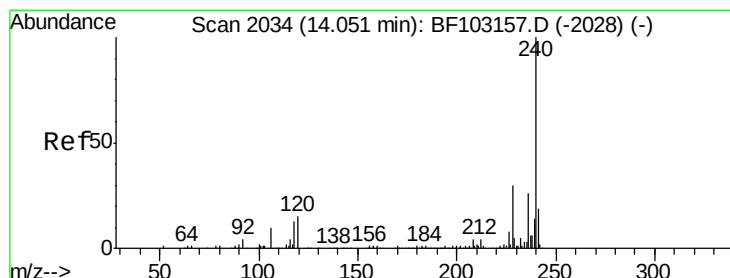
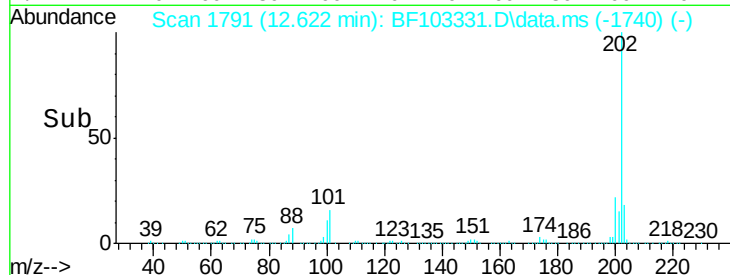
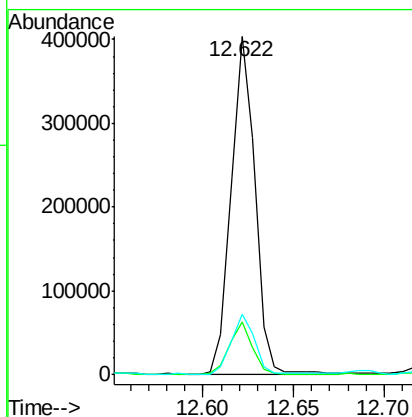
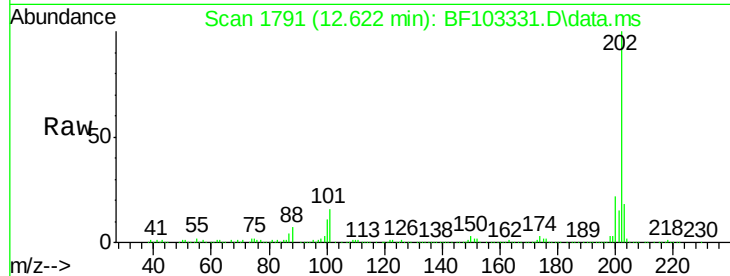
Tot Ion:202 Resp: 370336

Ion Ratio Lower Upper

202 100

101 15.7 0.0 34.1

203 17.7 0.0 38.1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.057 min Scan# 2035

Delta R.T. 0.000 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

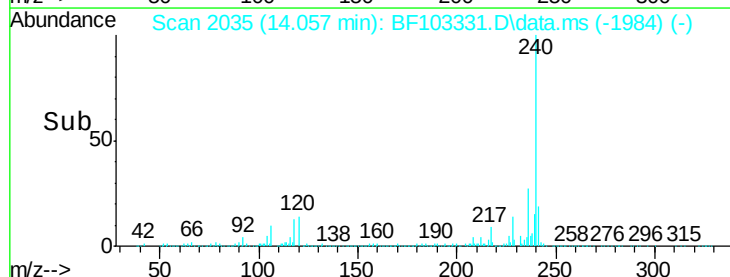
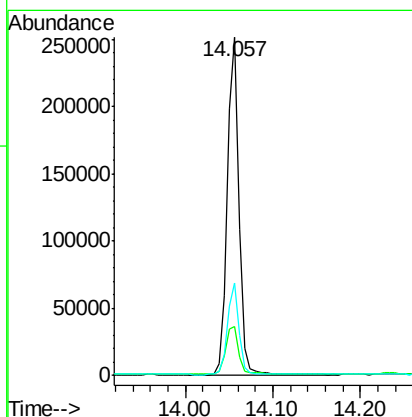
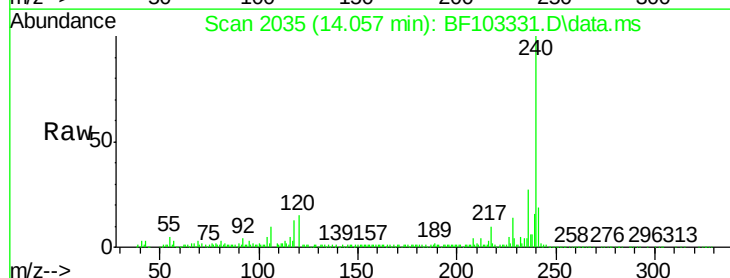
Tgt Ion:240 Resp: 237591

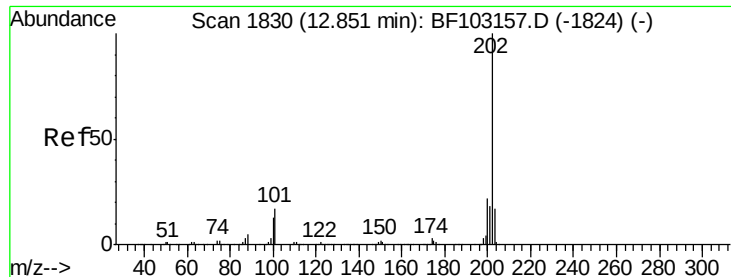
Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

236 27.2 20.7 31.1





#77

Pvrene

Concen: 18.96 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

Instrument :

BNA_F

ClientSampleId :

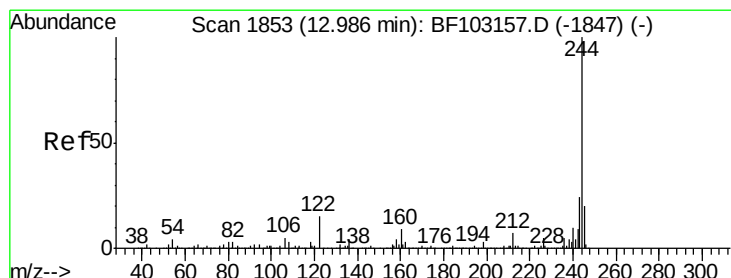
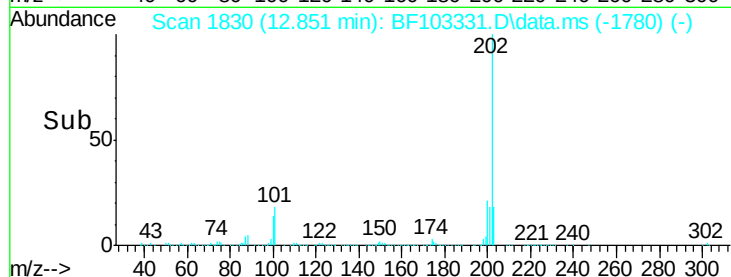
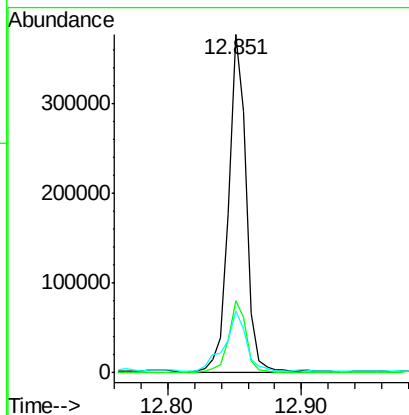
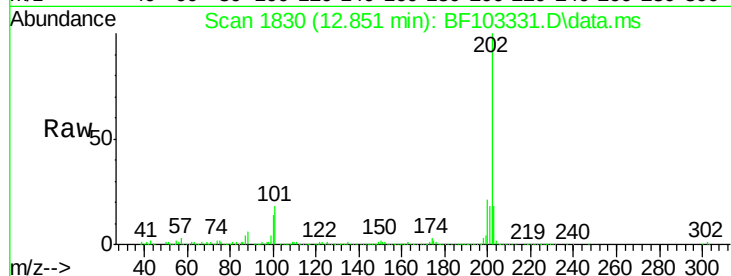
Tot Ion:202 Resp: 351161

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

203 18.3 14.3 21.5



#78

Terphenyl-d14

Concen: 65.84 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

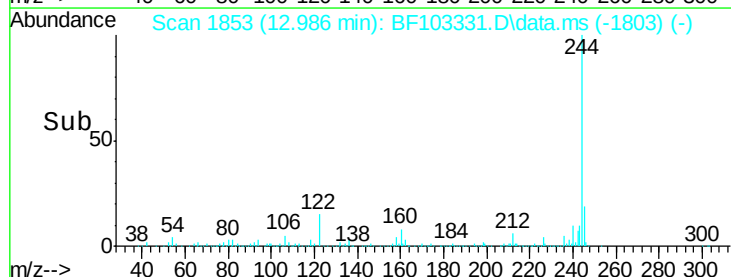
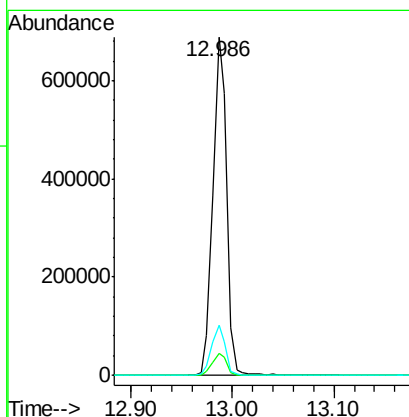
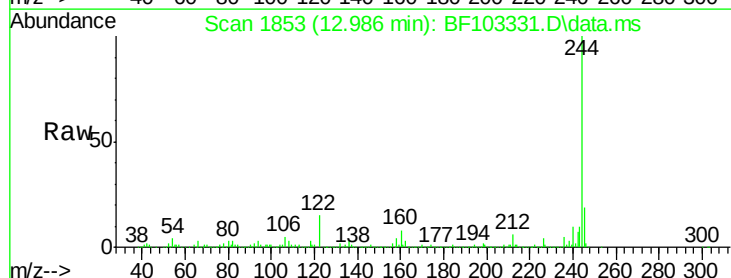
Tgt Ion:244 Resp: 650737

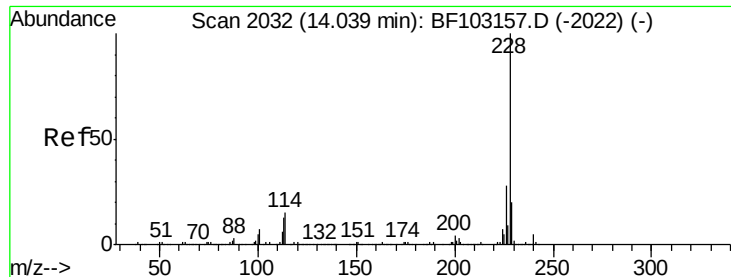
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 15.0 11.0 16.4





#80

Benzo(a)anthracene

Concen: 13.00 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

Instrument :

BNA_F

ClientSampleId :

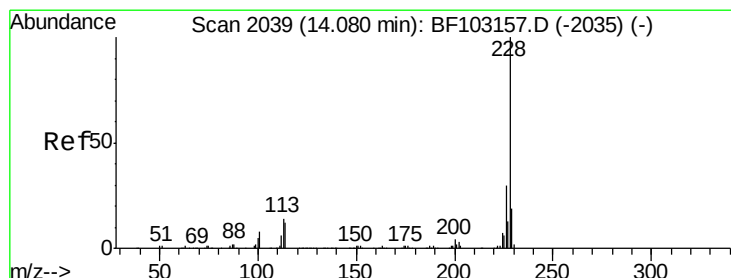
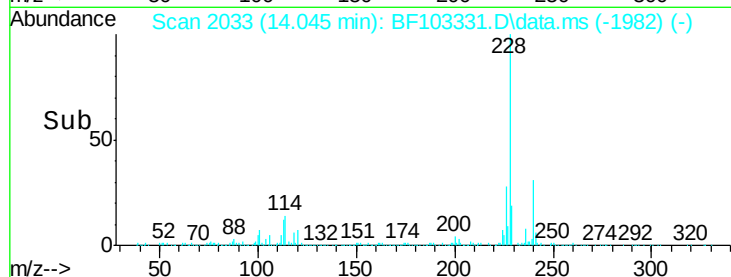
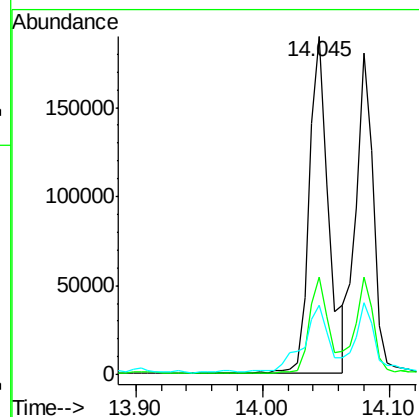
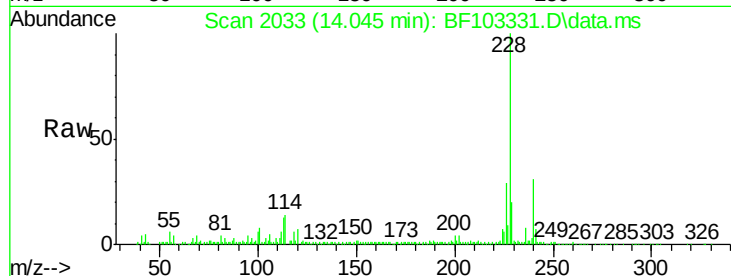
Tot Ion:228 Resp: 200344

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

229 20.4 15.8 23.6



#82

Chrysene

Concen: 11.51 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

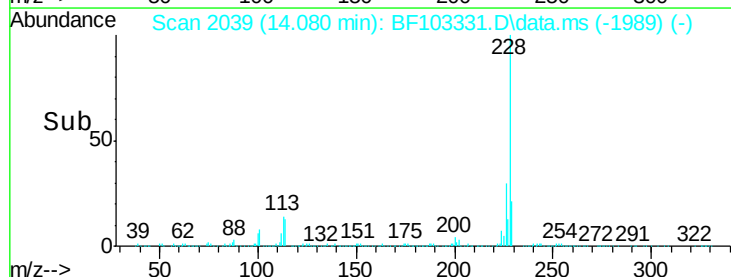
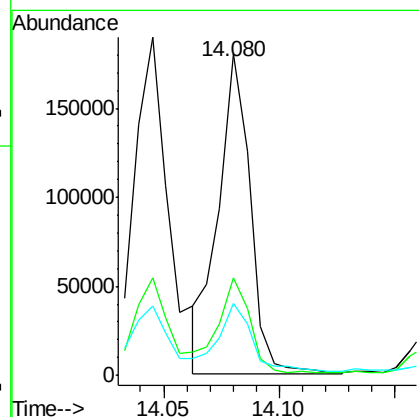
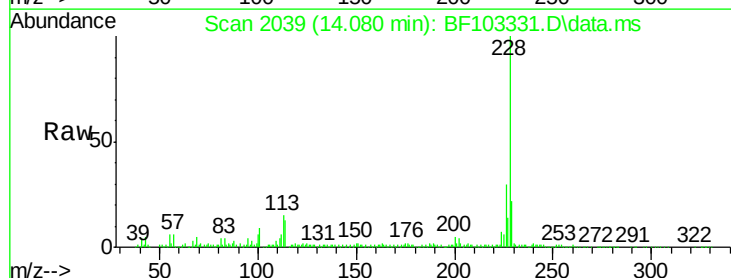
Tgt Ion:228 Resp: 172279

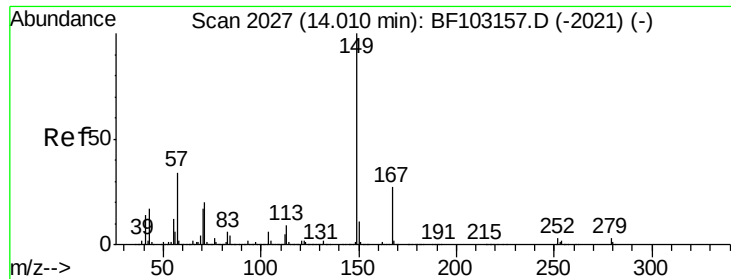
Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

229 22.2 16.2 24.4

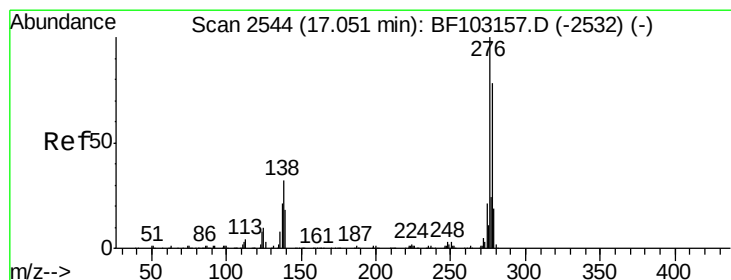
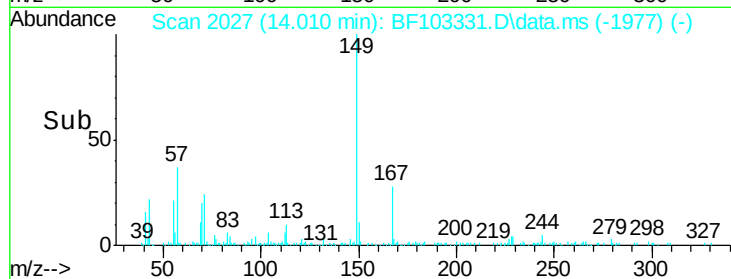
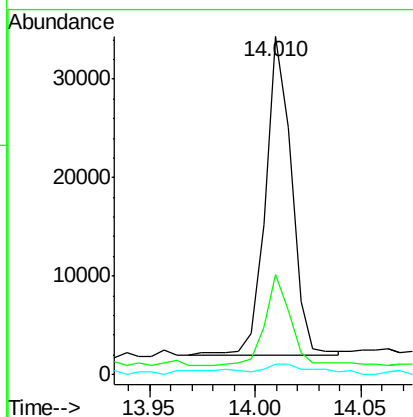
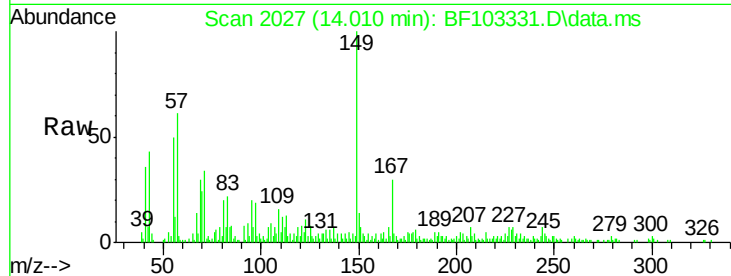




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.11 ng
 RT: 14.010 min Scan# 2027
 Delta R.T. -0.006 min
 Lab File: BF103331.D
 Acq: 1 Mar 2018 12:49

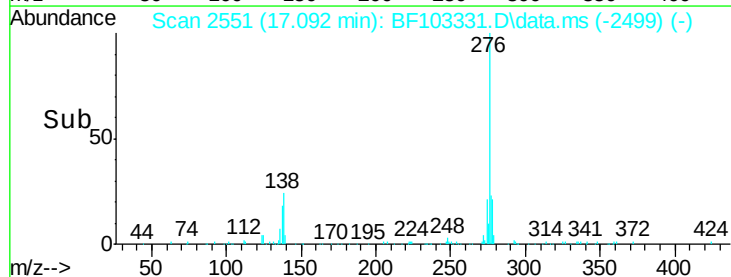
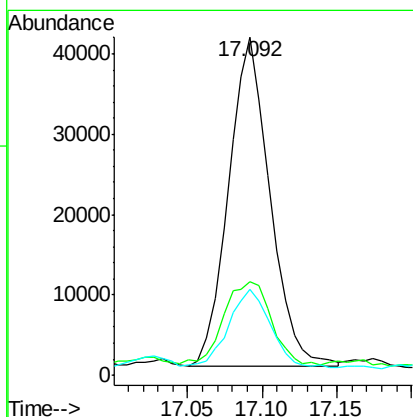
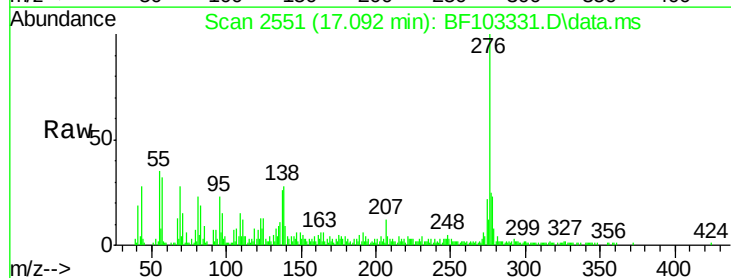
Instrument :
 BNA_F
 ClientSampleId :

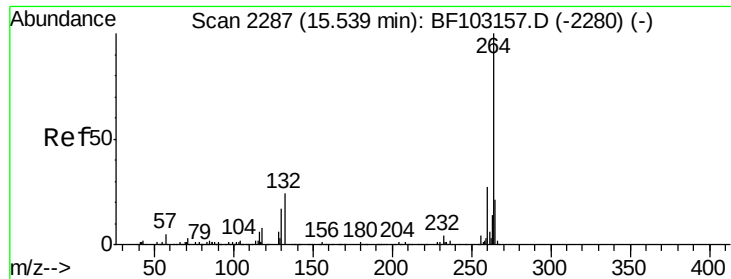
Tot Ion	Ratio	Lower	Upper
149	100		
167	29.8	21.3	31.9
279	3.2	3.0	4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.64 ng
 RT: 17.092 min Scan# 2551
 Delta R.T. 0.006 min
 Lab File: BF103331.D
 Acq: 1 Mar 2018 12:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.3	25.0	37.6
277	24.1	20.1	30.1

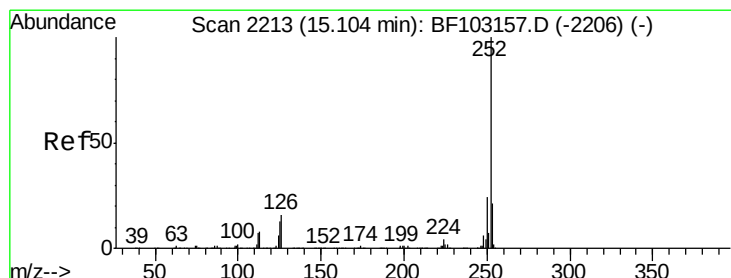
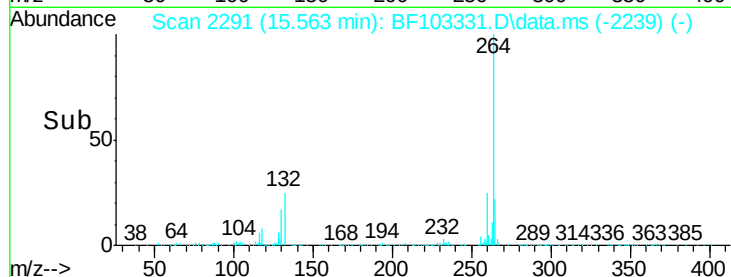
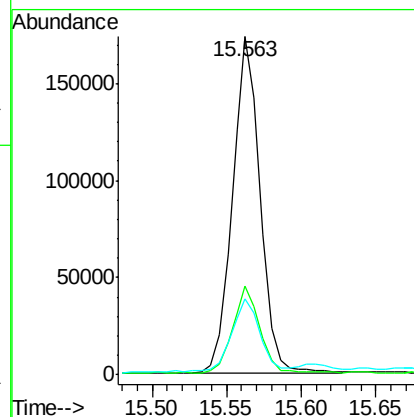
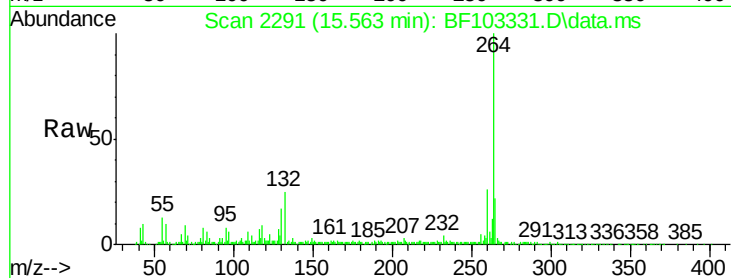




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.563 min Scan# 2287
Delta R.T. 0.006 min
Lab File: BF103331.D
Acq: 1 Mar 2018 12:49

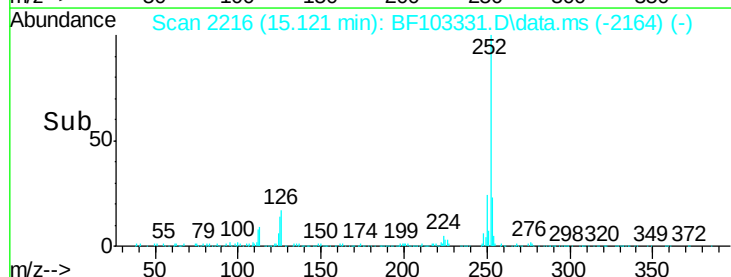
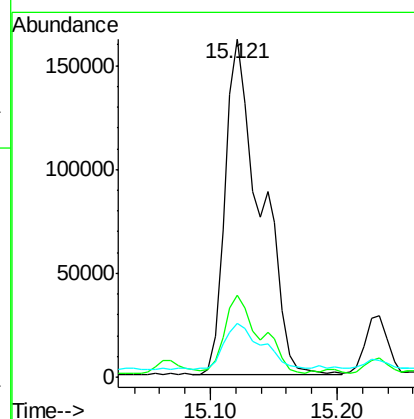
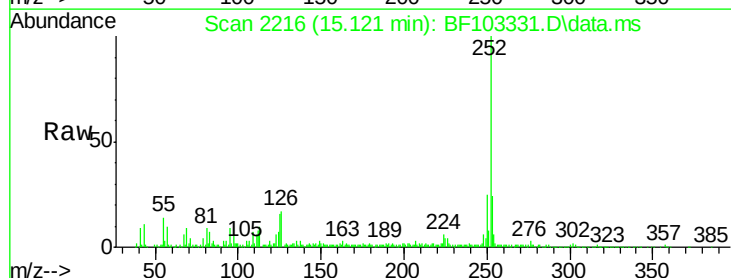
Instrument :
BNA_F
ClientSampleId :

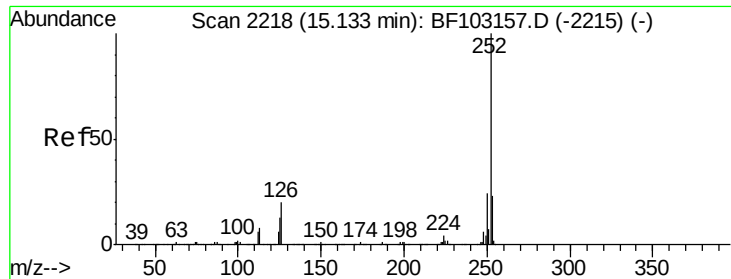
Tot Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.2	28.8
265	22.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 21.33 ng
RT: 15.121 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF103331.D
Acq: 1 Mar 2018 12:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	16.1	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 22.65 ng

RT: 15.121 min Scan# 2218

Delta R.T. -0.029 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

Instrument :

BNA_F

ClientSampleId :

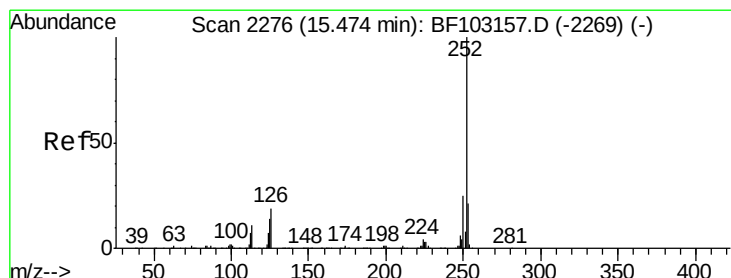
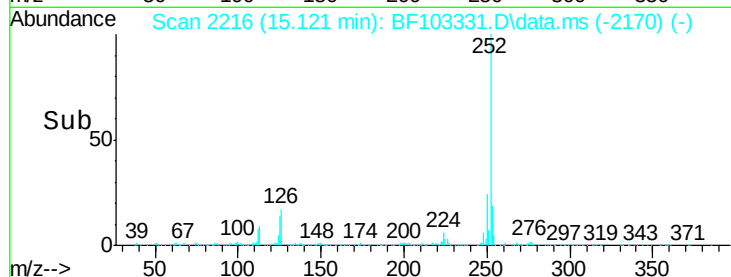
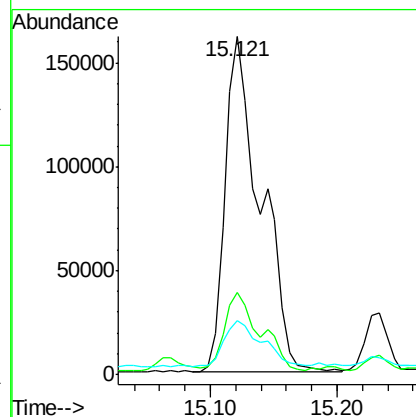
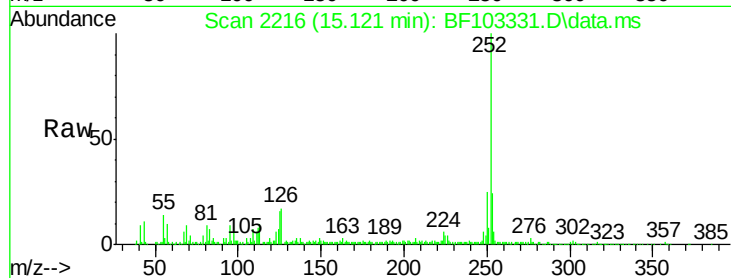
Tot Ion:252 Resp: 316420

Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

125 16.1 10.2 15.2#



#89

Benzo(a)pyrene

Concen: 12.22 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.000 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

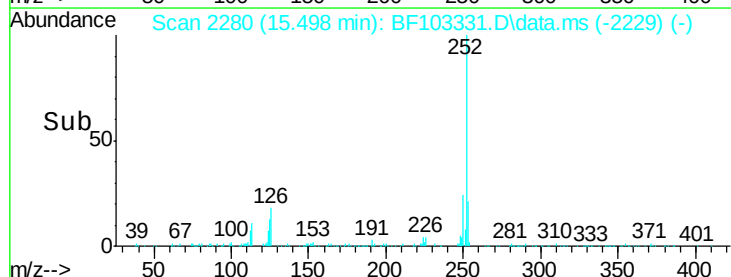
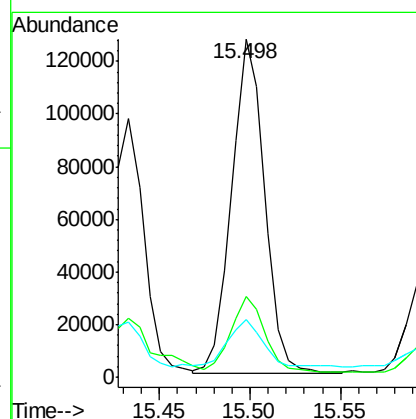
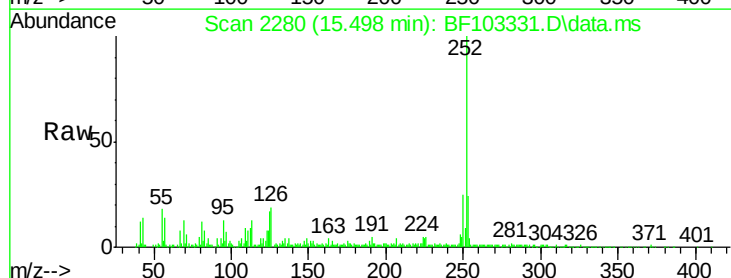
Tgt Ion:252 Resp: 161821

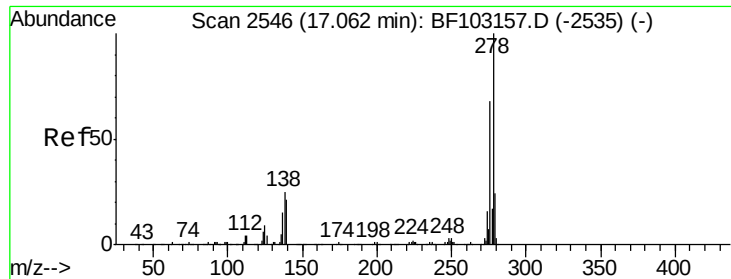
Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 16.9 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.14 ng

RT: 17.092 min Scan# 25

Delta R.T. 0.000 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

Instrument :

BNA_F

ClientSampleId :

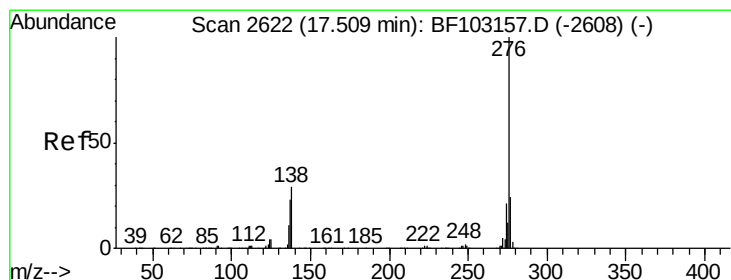
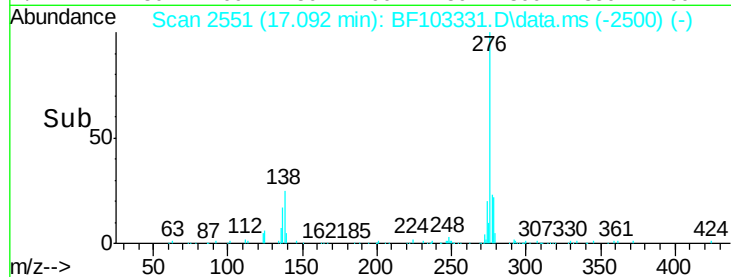
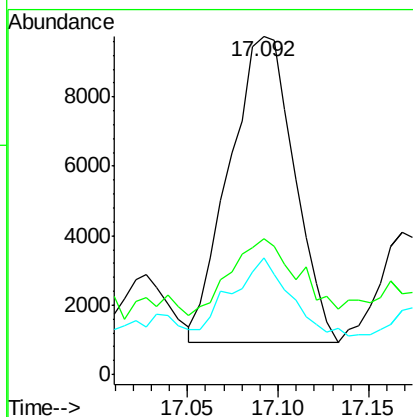
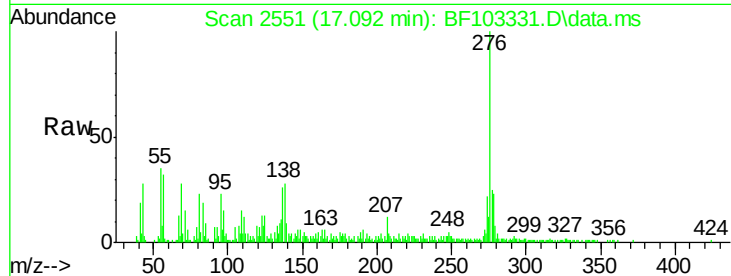
Tot Ion:278 Resp: 21871

Ion Ratio Lower Upper

278 100

139 40.1 15.9 23.9#

279 34.4 19.0 28.4#



#91

Benzo(g,h,i)perylene

Concen: 7.68 ng

RT: 17.557 min Scan# 2630

Delta R.T. 0.018 min

Lab File: BF103331.D

Acq: 1 Mar 2018 12:49

Tgt Ion:276 Resp: 76836

Ion Ratio Lower Upper

276 100

277 27.2 17.9 26.9#

138 35.4 21.8 32.8#

