

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103432.D
 Acq On : 6 Mar 2018 1:46
 Operator : SJ/JU
 Sample : J1722-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 02:37:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	121363	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	487397	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	186723	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	282459	20.00	ng	0.00
75) Chrysene-d12	14.07	240	177495	20.00	ng	0.00
86) Perylene-d12	15.58	264	134227	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	658752	82.09	ng	0.00
7) Phenol-d6	6.52	99	836287	85.17	ng	0.00
23) Nitrobenzene-d5	7.44	82	464601	54.44	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	84416	53.41	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	684177	58.47	ng	0.00
78) Terphenyl-d14	12.99	244	463940	62.83	ng	0.00

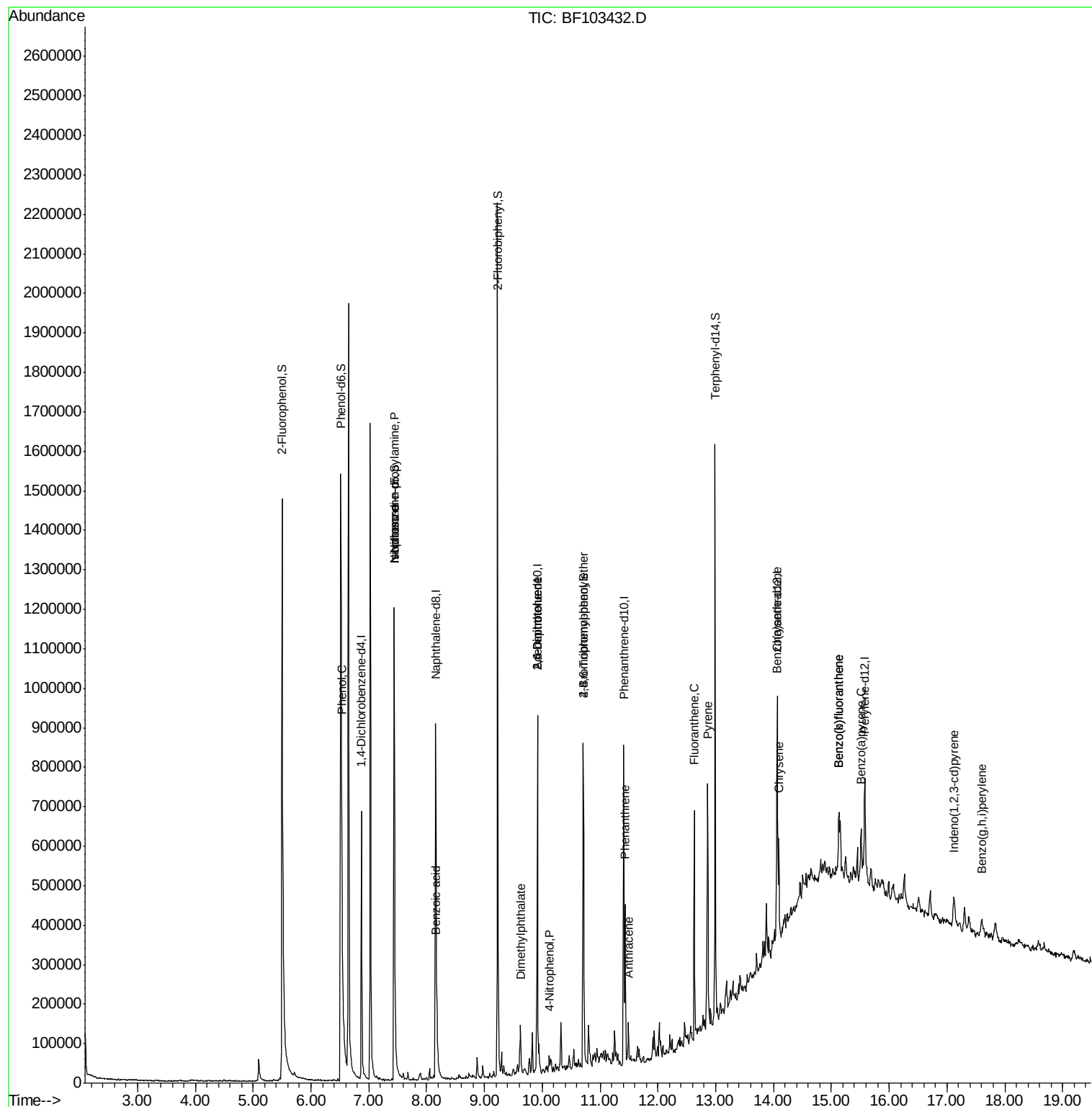
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	934	Below Cal	#	1
10) Phenol	6.53	94	54756	4.804 ng	#	64
19) n-Nitroso-di-n-propylamine	7.44	70	62935	10.299 ng	#	83
25) Isophorone	7.44	82	464601	27.640 ng	#	64
32) Benzoic acid	8.17	122	602	7.016 ng	#	1
49) Dimethylphthalate	9.62	163	47981	3.203 ng		99
50) 2,6-Dinitrotoluene	9.91	165	24956	7.939 ng	#	26
55) 4-Nitrophenol	10.12	139	6270	2.537 ng	#	21
56) 2,4-Dinitrotoluene	9.91	165	24956	6.277 ng	#	23
66) 4-Bromophenyl-phenylether	10.71	248	6257	2.127 ng	#	1
70) Phenanthrene	11.43	178	131811	8.480 ng		98
71) Anthracene	11.49	178	37644	2.362 ng		98
74) Fluoranthene	12.63	202	243671	15.599 ng		97
77) Pyrene	12.86	202	241136	17.425 ng		99
80) Benzo(a)anthracene	14.06	228	105346	9.147 ng		98
82) Chrysene	14.09	228	90984	8.136 ng		97
85) Indeno(1,2,3-cd)pyrene	17.13	276	34990	3.952 ng		98
87) Benzo(b)fluoranthene	15.13	252	124665	14.126 ng	#	88
88) Benzo(k)fluoranthene	15.13	252	124665	15.001 ng	#	90
89) Benzo(a)pyrene	15.52	252	64443	8.177 ng	#	88
91) Benzo(a,h,i)perylene	17.60	276	34664	5.824 ng	#	86

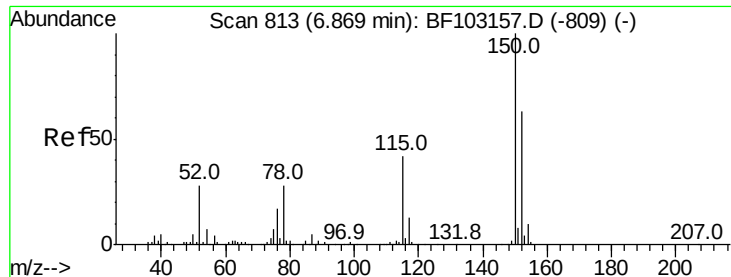
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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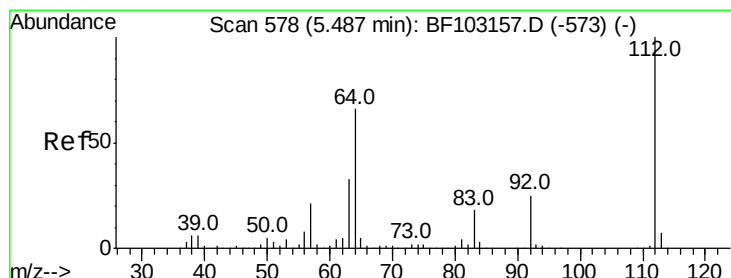
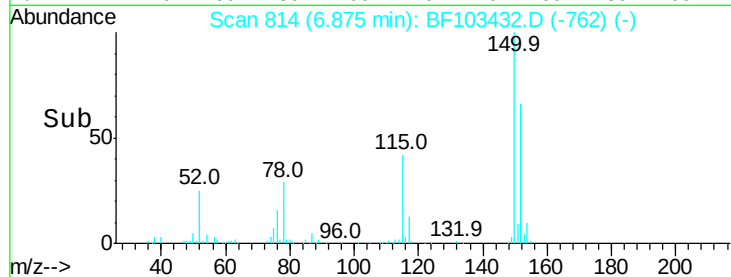
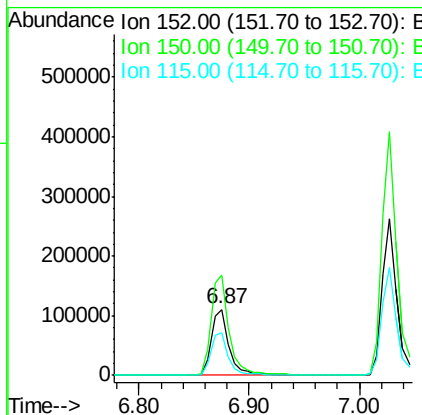
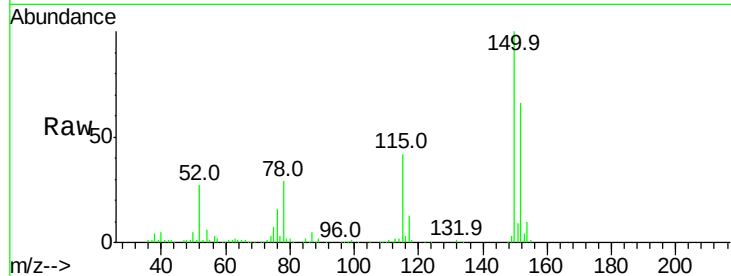


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Instrument :
BNA_F
ClientSampled :

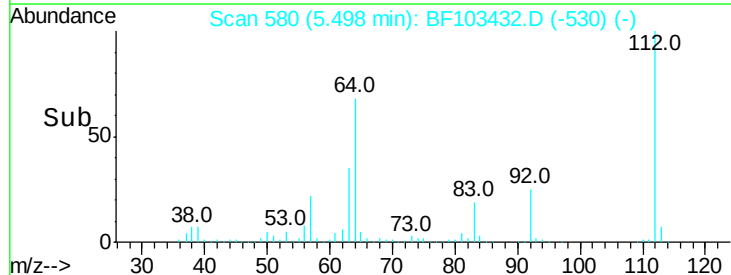
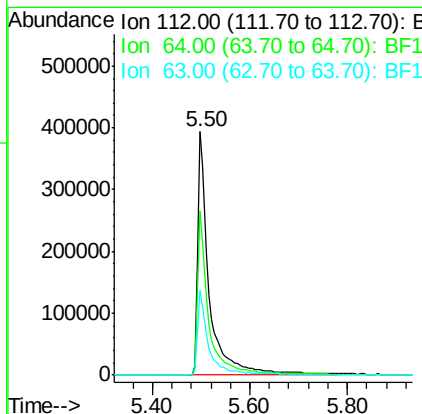
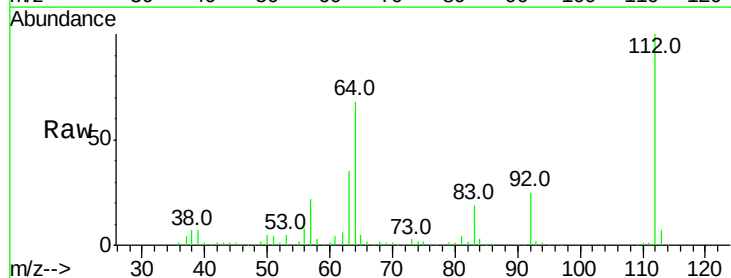
Tot Ion:152 Resp: 121363
Ion Ratio Lower Upper
152 100
150 151.5 124.6 186.8
115 64.0 50.1 75.1

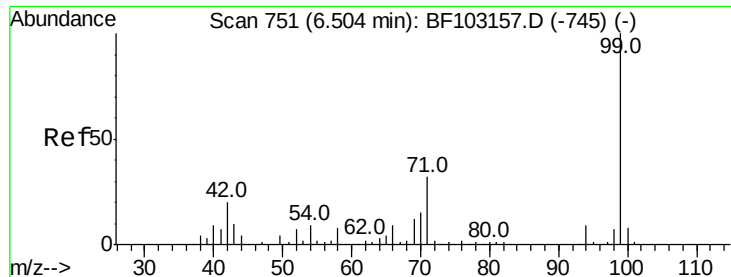


#5

2-Fluorophenol
Concen: 82.094 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Tgt Ion:112 Resp: 658752
Ion Ratio Lower Upper
112 100
64 67.6 47.9 71.9
63 34.8 23.7 35.5





#7

Phenol-d6

Concen: 85.170 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103432.D

Acq: 6 Mar 2018 1:46

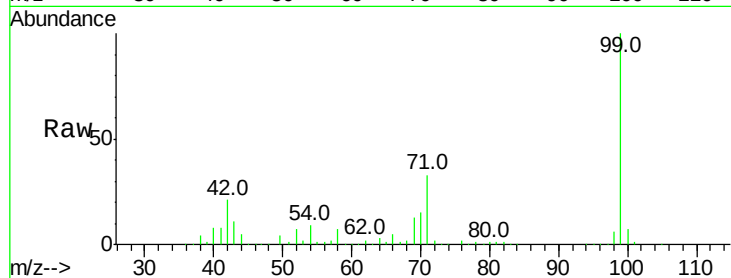
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 836287

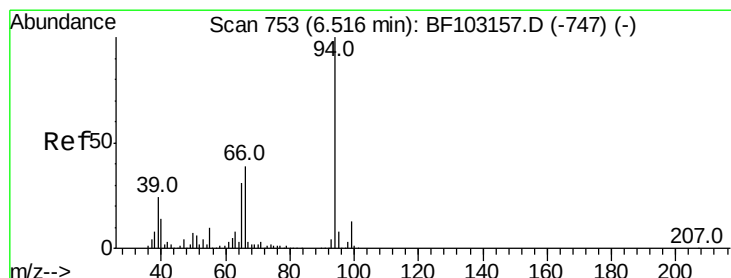
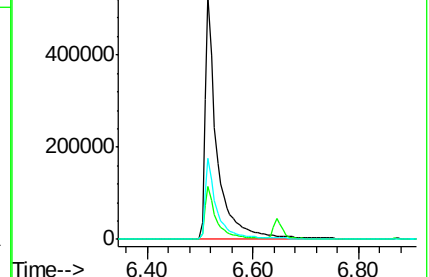
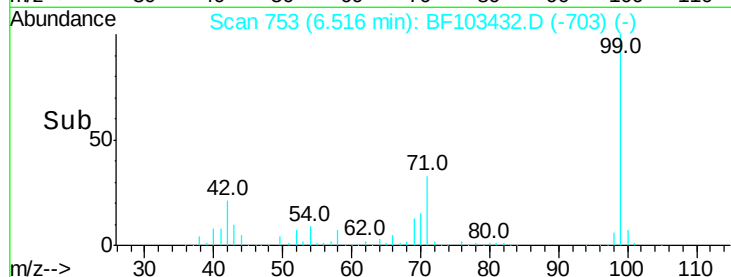
Ion	Ratio	Lower	Upper
99	100		
42	21.5	14.5	21.7
71	33.2	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.804 ng

RT: 6.53 min Scan# 756

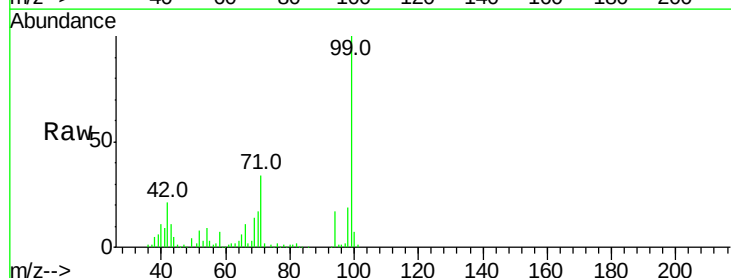
Delta R.T. -0.00 min

Lab File: BF103432.D

Acq: 6 Mar 2018 1:46

Tgt Ion: 94 Resp: 54756

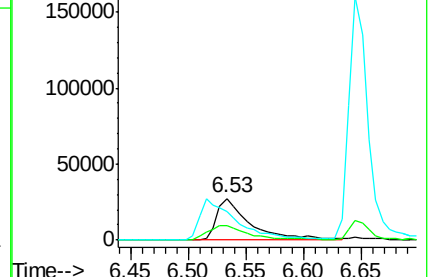
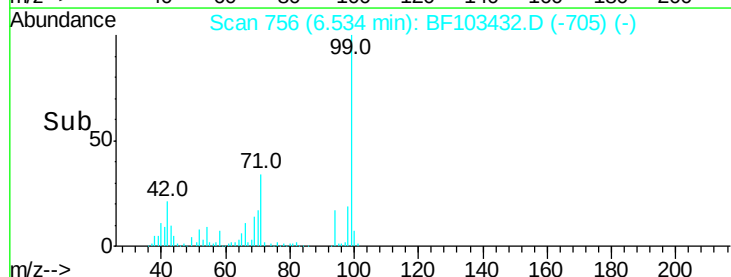
Ion	Ratio	Lower	Upper
94	100		
65	35.7	7.9	47.9
66	67.6	16.2	56.2

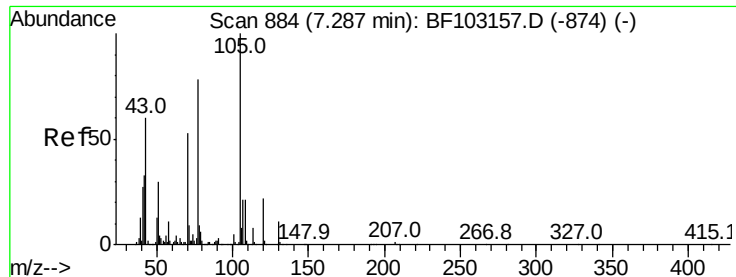


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.299 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.16 min

Lab File: BF103432.D

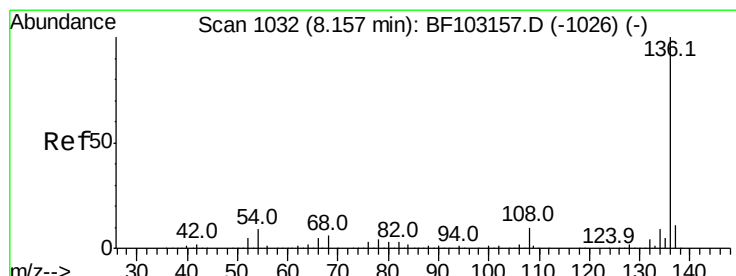
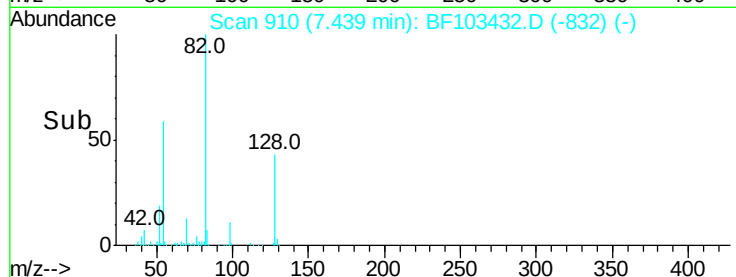
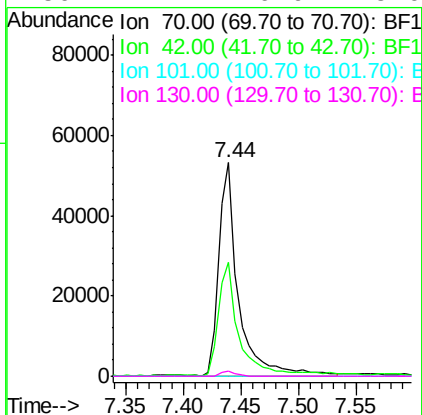
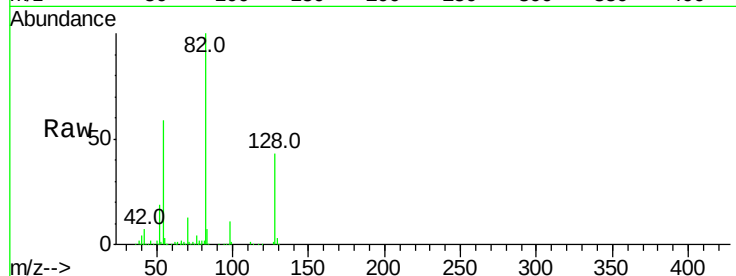
Acq: 6 Mar 2018 1:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	62935
Ion	Ratio	Lower	Upper
70	100		
42	53.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

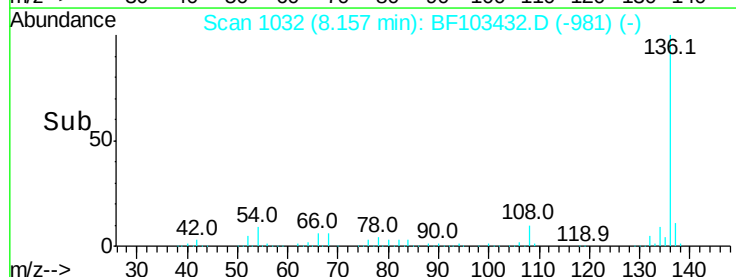
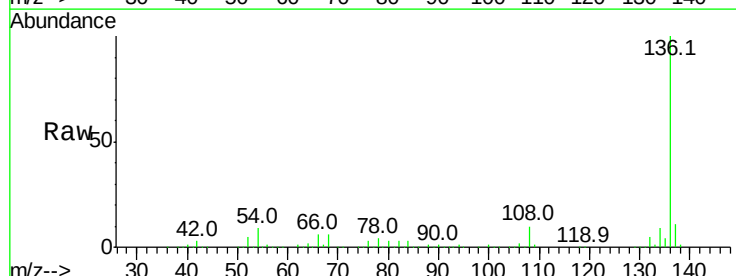
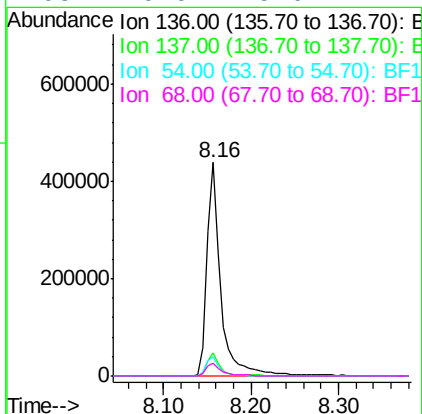
RT: 8.16 min Scan# 1032

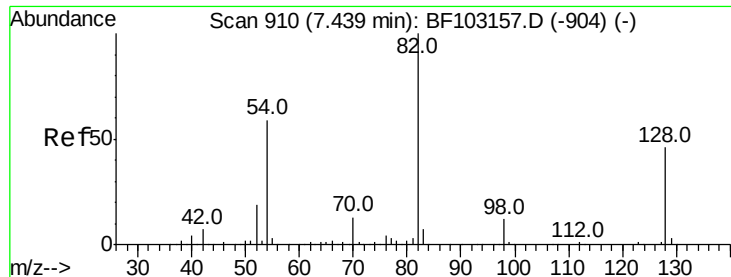
Delta R.T. -0.00 min

Lab File: BF103432.D

Acq: 6 Mar 2018 1:46

Tgt Ion:	136	Resp:	487397
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.2	6.6	9.8
68	6.0	5.0	7.4

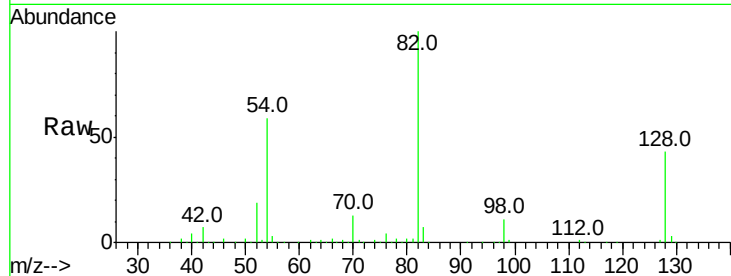




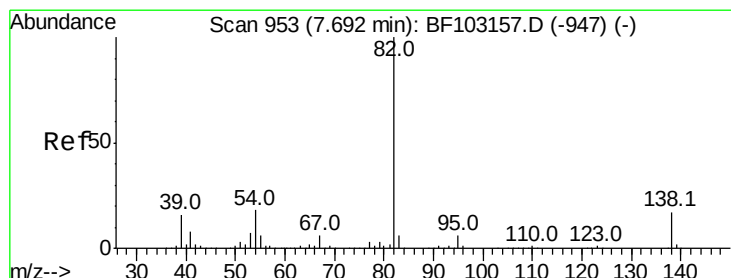
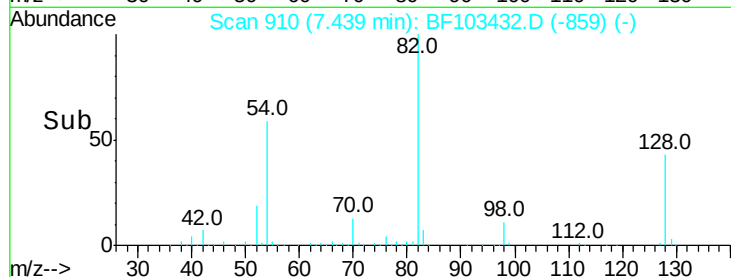
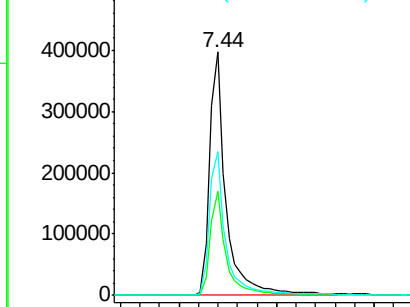
#23
 Nitrobenzene-d5
 Concen: 54.437 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF103432.D
 Acq: 6 Mar 2018 1:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 464601
 Ion Ratio Lower Upper
 82 100
 128 43.0 36.1 54.1
 54 59.0 41.4 62.2

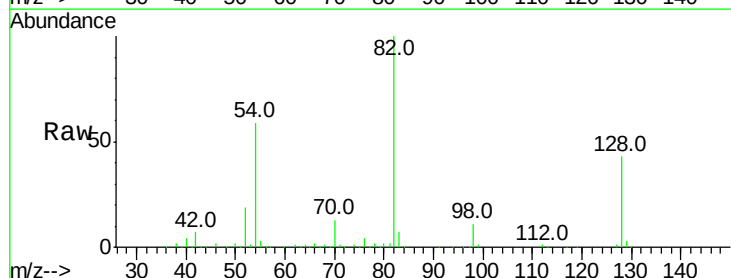


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

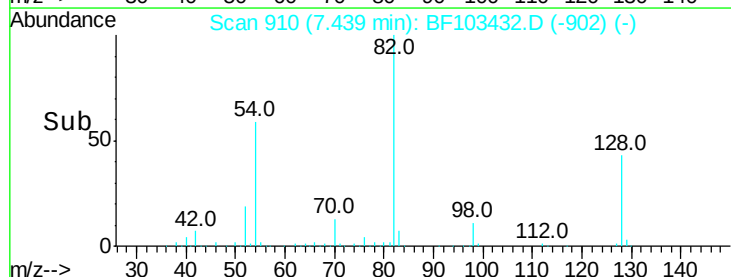
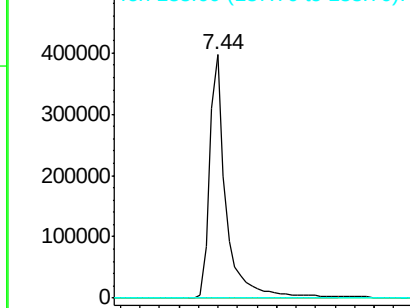


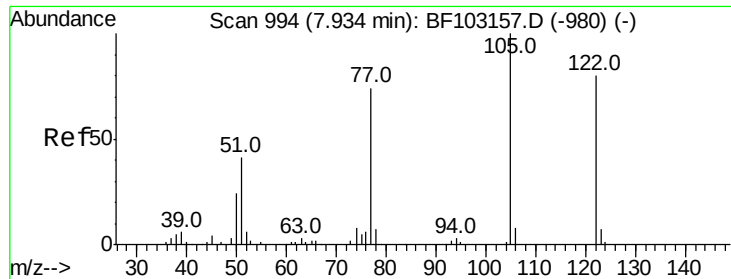
#25
 Isophorone
 Concen: 27.640 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.25 min
 Lab File: BF103432.D
 Acq: 6 Mar 2018 1:46

Tgt Ion: 82 Resp: 464601
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



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

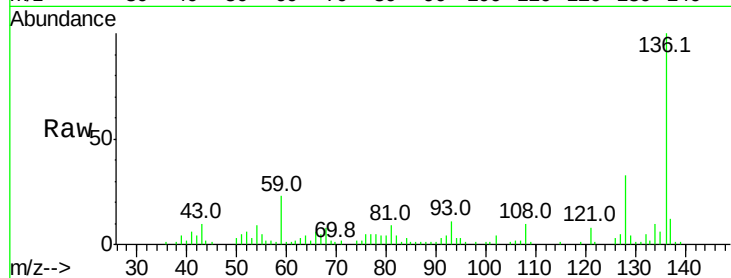




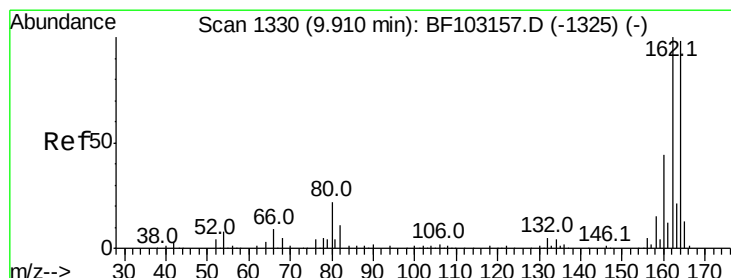
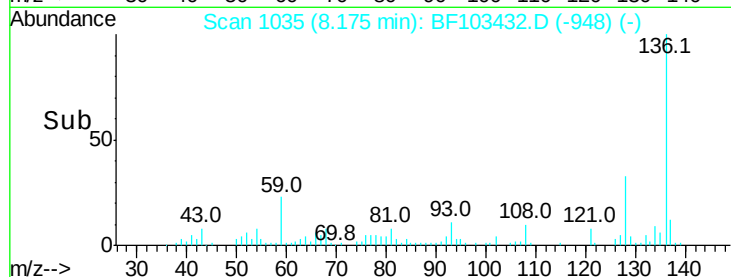
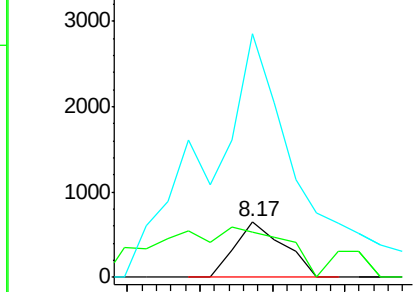
#32
Benzoic acid
Concen: 7.016 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.21 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 602
Ion Ratio Lower Upper
122 100
105 81.7 101.1 141.1#
77 436.2 70.7 110.7#

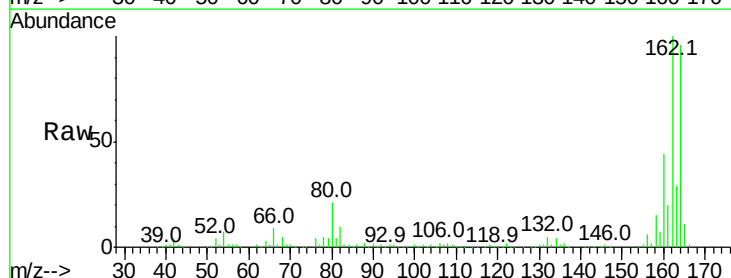


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

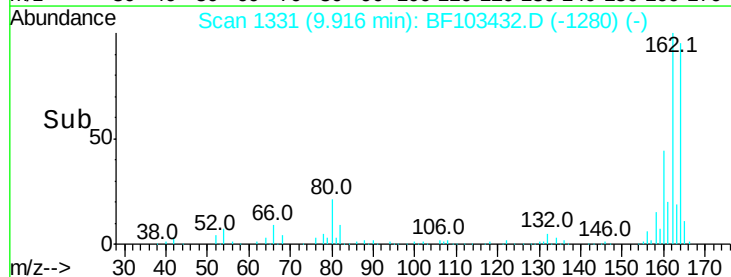
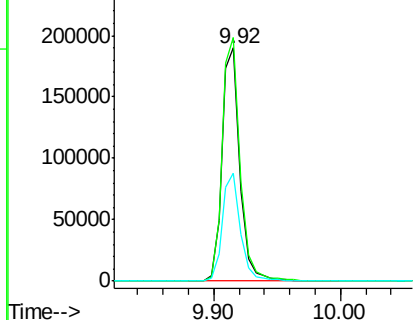


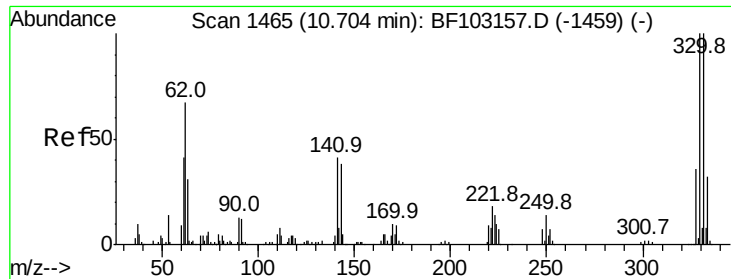
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Tgt Ion:164 Resp: 186723
Ion Ratio Lower Upper
164 100
162 104.5 86.1 129.1
160 46.3 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

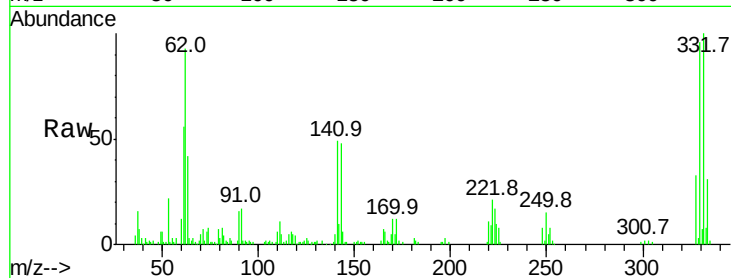




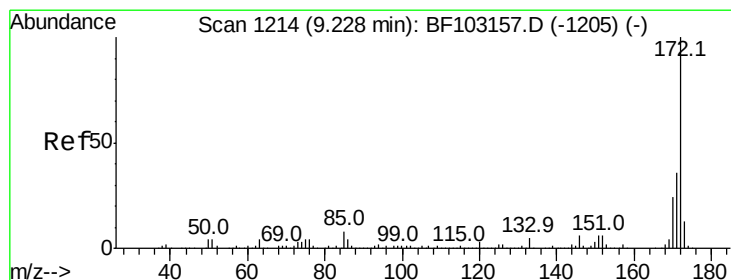
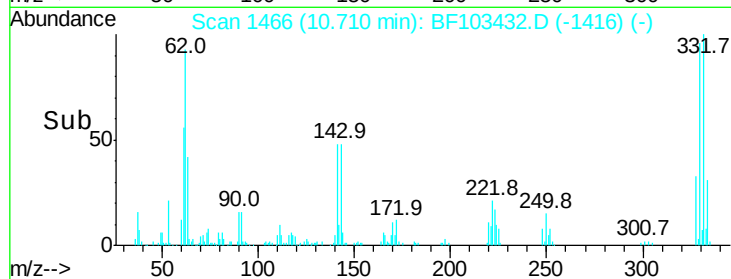
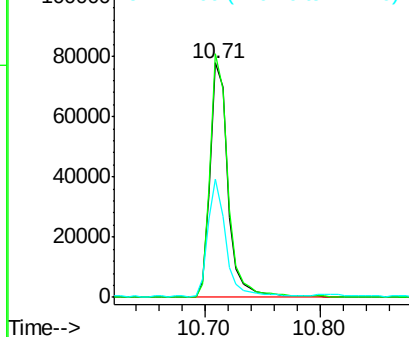
#41
 2,4,6-Tribromophenol
 Concen: 53.411 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103432.D
 Acq: 6 Mar 2018 1:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 84416
 Ion Ratio Lower Upper
 330 100
 332 103.6 77.0 115.6
 141 51.5 29.9 44.9#

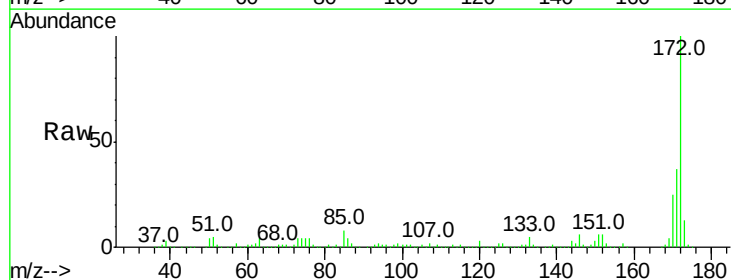


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

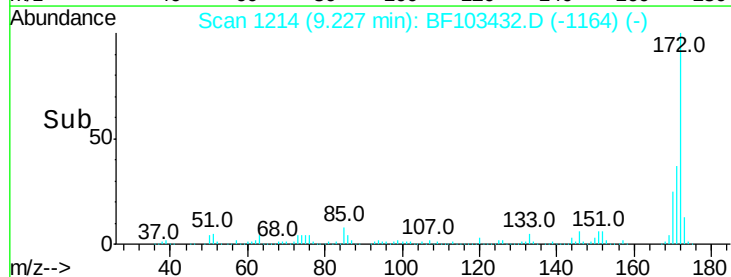
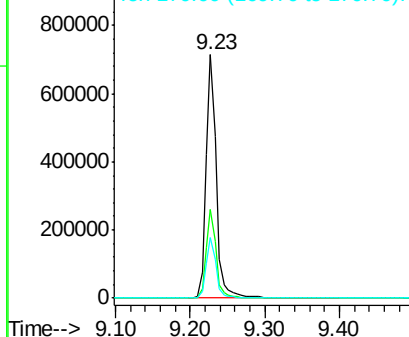


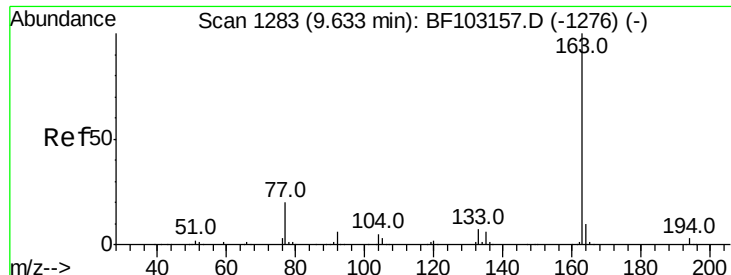
#44
 2-Fluorobiphenyl
 Concen: 58.475 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103432.D
 Acq: 6 Mar 2018 1:46

Tgt Ion:172 Resp: 684177
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.8 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

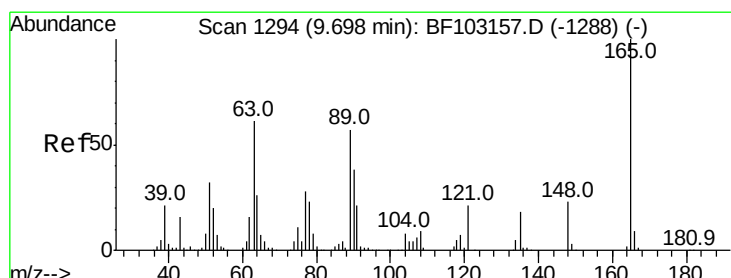
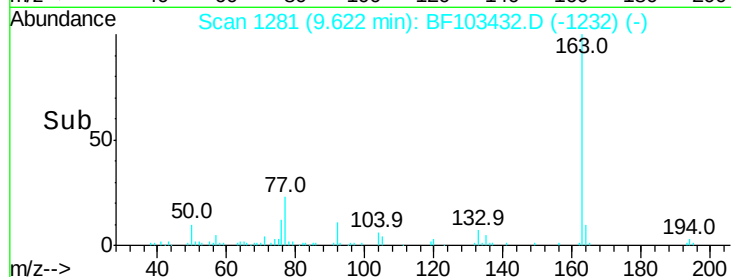
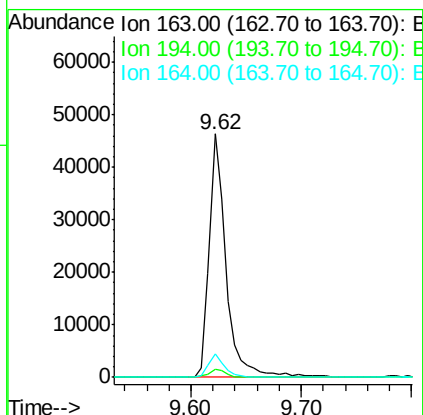
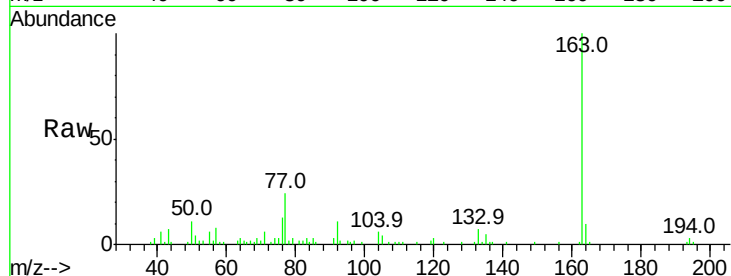




#49
Dimethylphthalate
Concen: 3.203 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

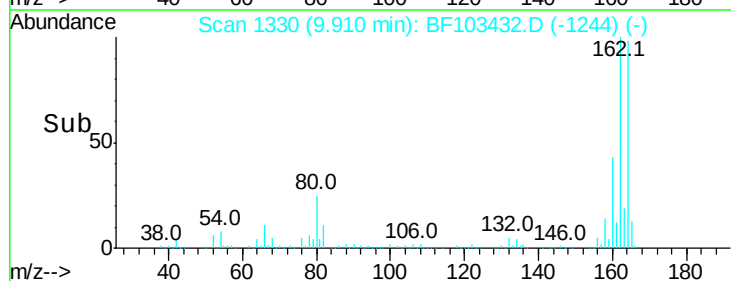
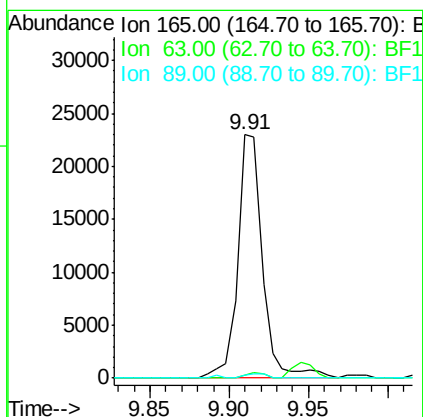
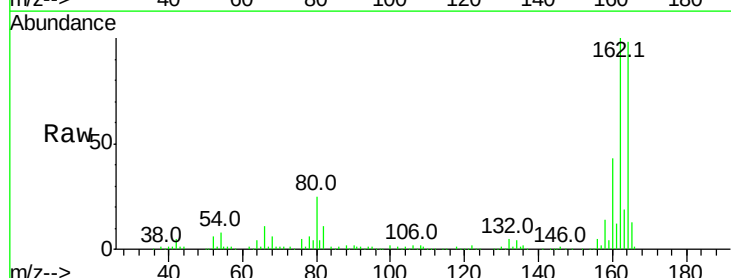
Instrument :
BNA_F
ClientSampleId :

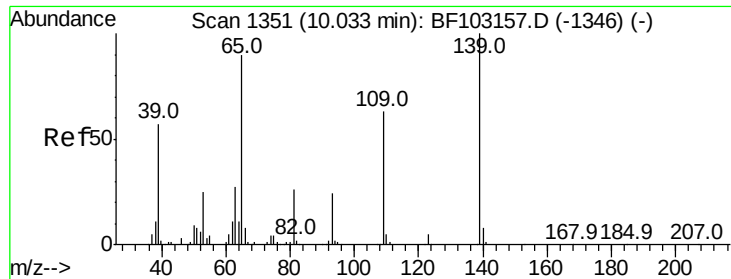
Tot Ion:163 Resp: 47981
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.9 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.939 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Tgt Ion:165 Resp: 24956
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.5 44.0 66.0#

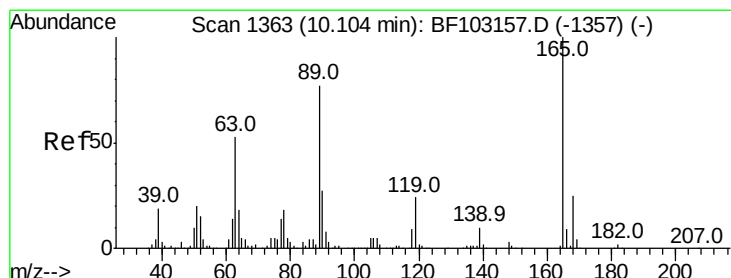
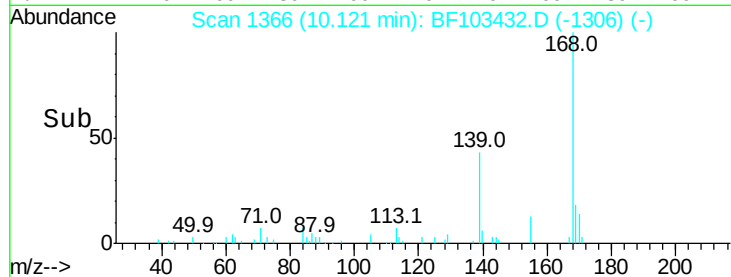
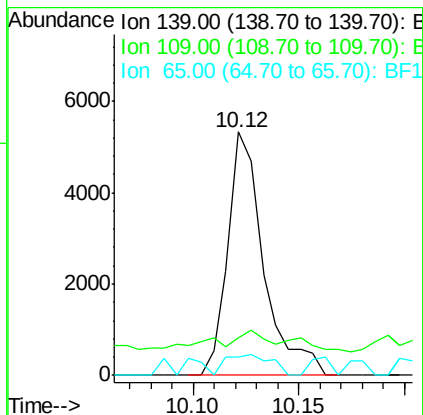
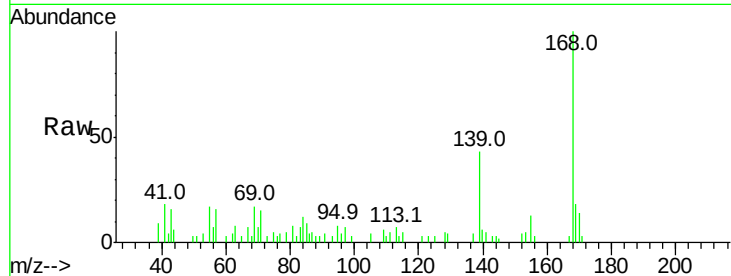




#55
4-Nitrophenol
Concen: 2.537 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.05 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

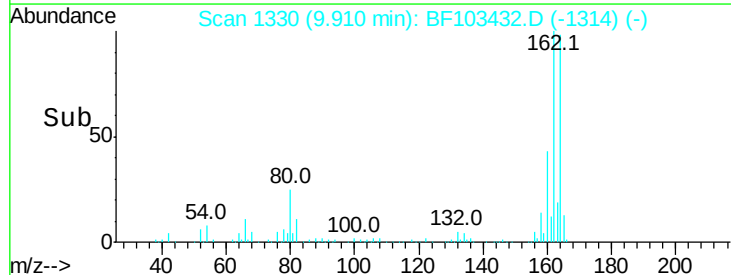
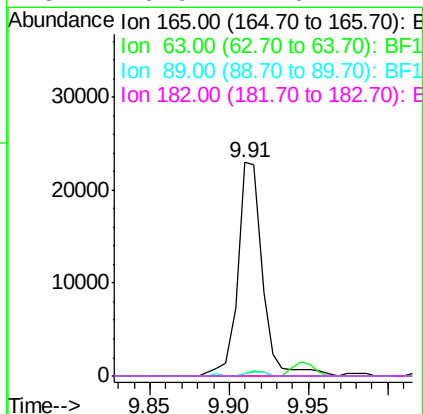
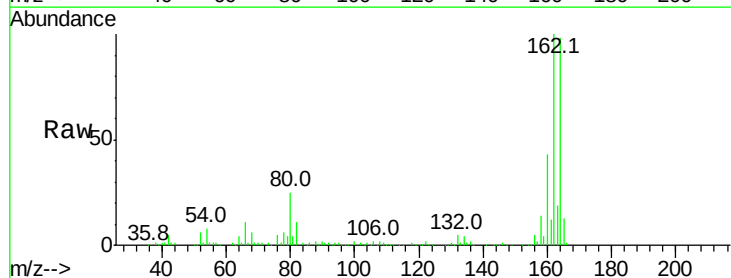
Instrument :
BNA_F
ClientSampleId :

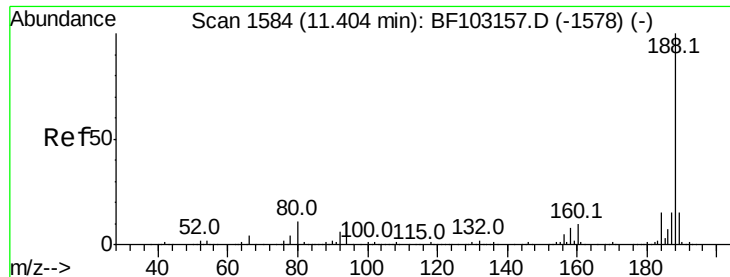
Tot Ion:139 Resp: 6270
Ion Ratio Lower Upper
139 100
109 15.2 48.4 88.4#
65 7.7 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 6.277 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.21 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Tgt Ion:165 Resp: 24956
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#

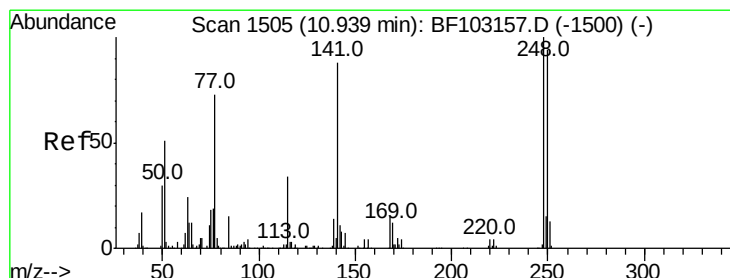
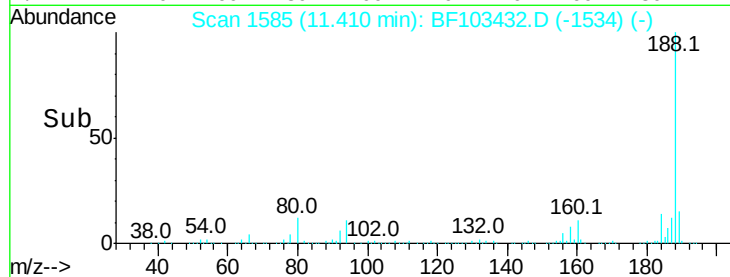
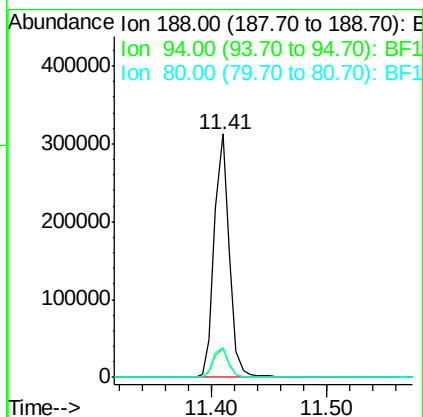
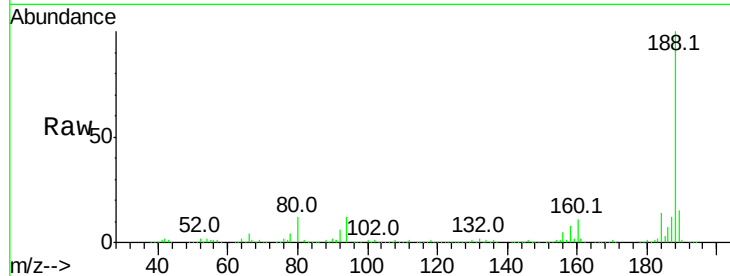




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF103432.D
 Acq: 6 Mar 2018 1:46

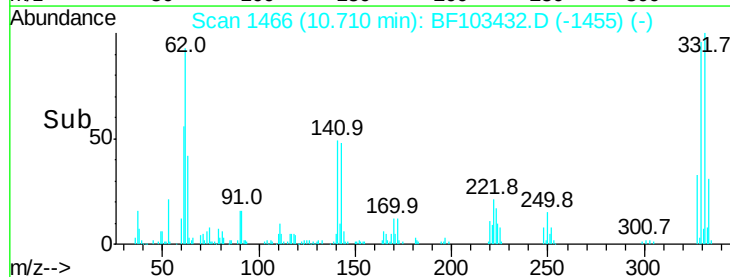
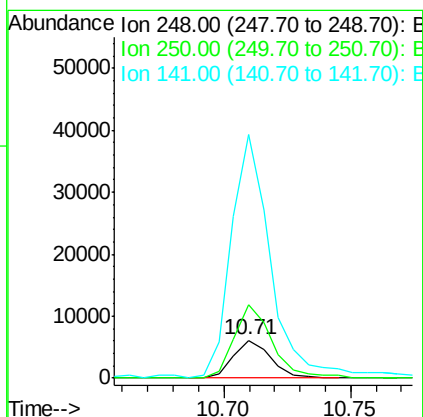
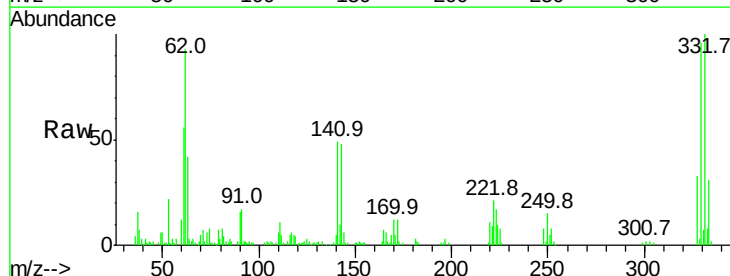
Instrument :
 BNA_F
 ClientSampleId :

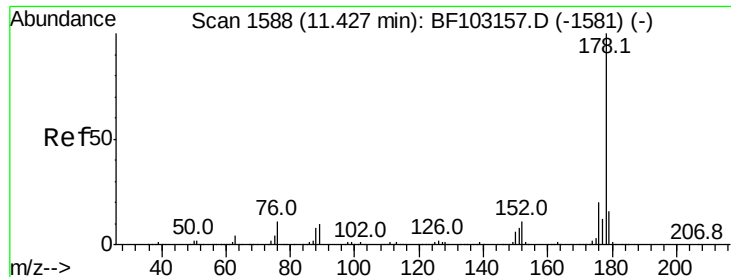
Tot Ion:188 Resp: 282459
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 12.3 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 2.127 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103432.D
 Acq: 6 Mar 2018 1:46

Tgt Ion:248 Resp: 6257
 Ion Ratio Lower Upper
 248 100
 250 192.2 76.9 115.3#
 141 639.6 74.4 111.6#





#70

Phenanthrene

Concen: 8.480 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BF103432.D

Acq: 6 Mar 2018 1:46

Instrument :

BNA_F

ClientSampleId :

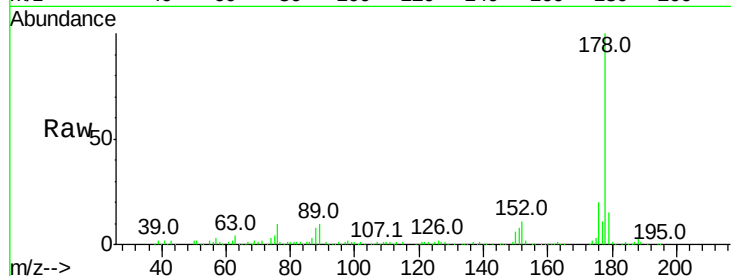
Tot Ion:178 Resp: 131811

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

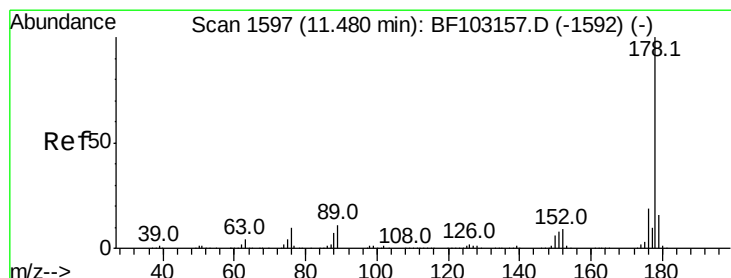
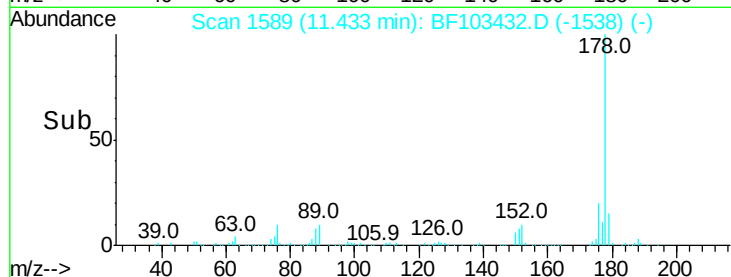
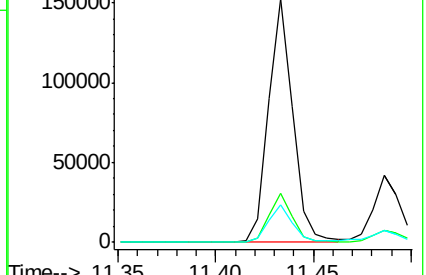
179 15.2 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.362 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF103432.D

Acq: 6 Mar 2018 1:46

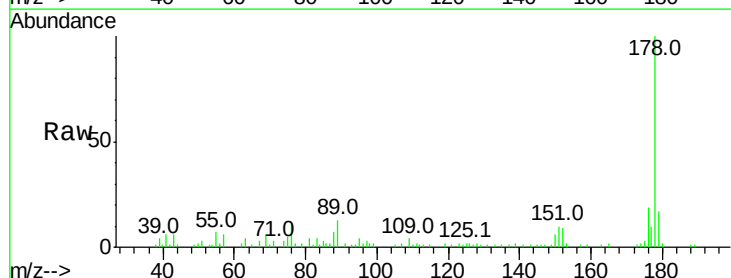
Tgt Ion:178 Resp: 37644

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

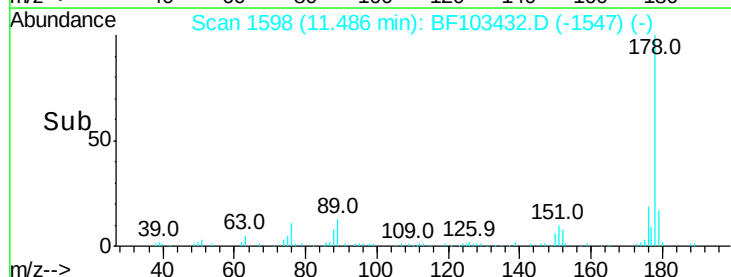
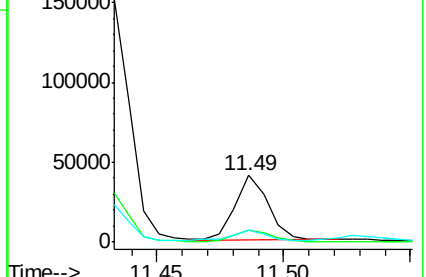
179 17.2 12.6 19.0

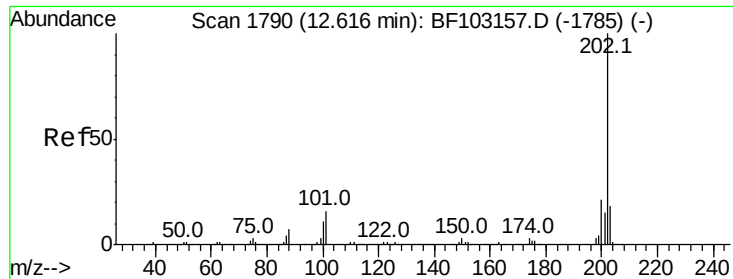


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

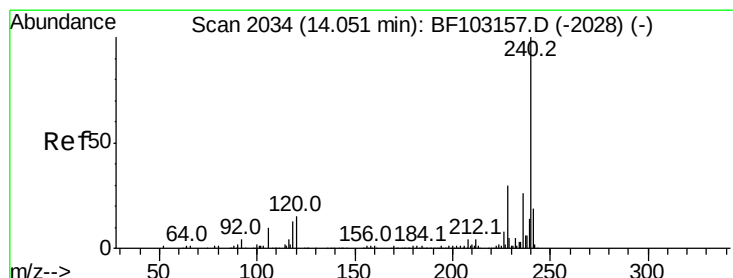
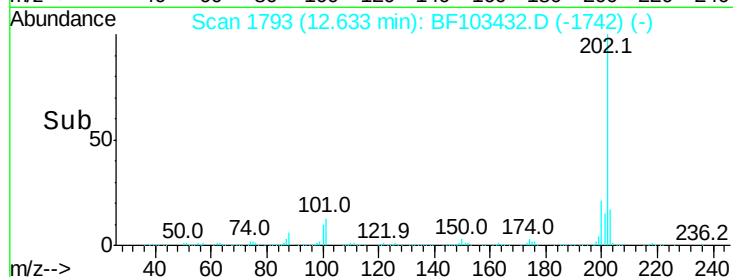
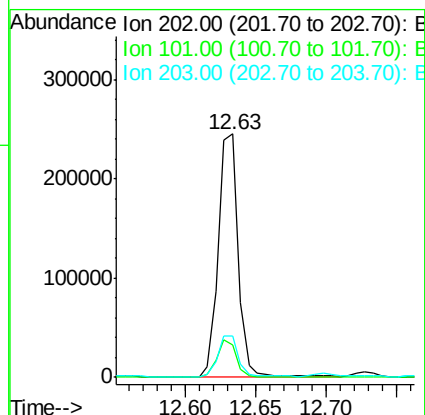
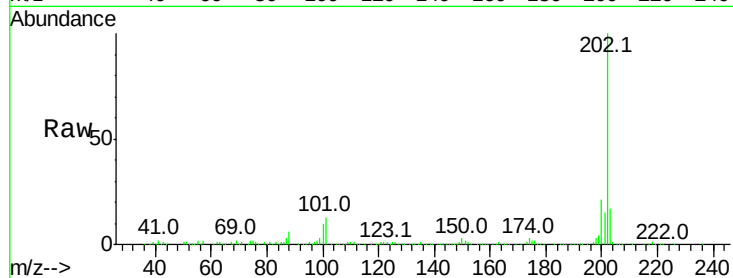




#74
Fluoranthene
Concen: 15.599 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.00 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

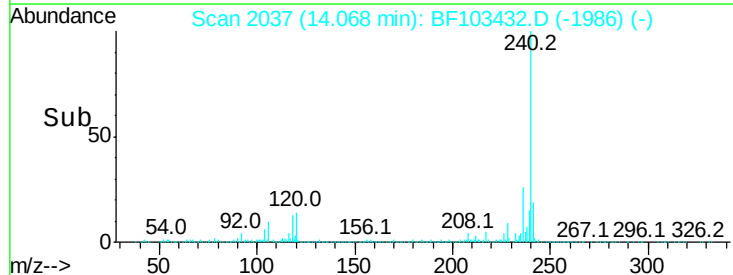
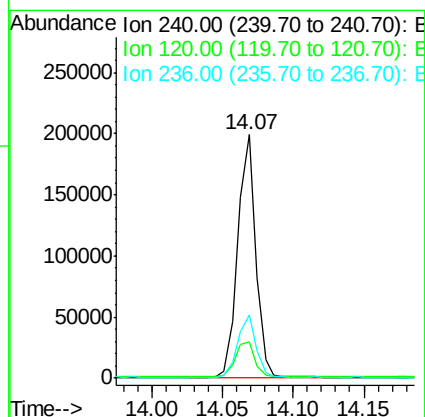
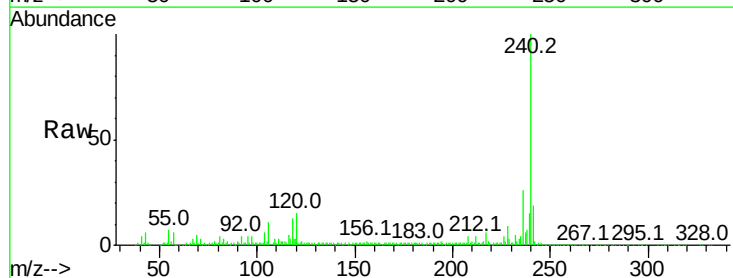
Instrument :
BNA_F
ClientSampleId :

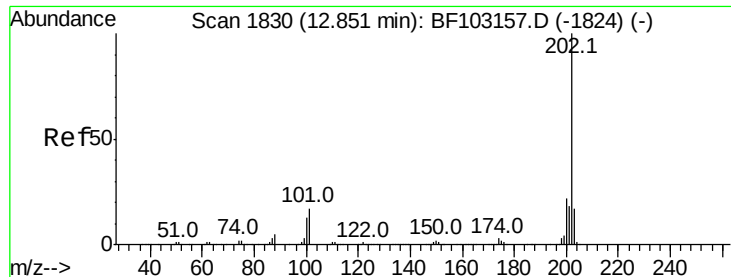
Tot Ion:202 Resp: 243671
Ion Ratio Lower Upper
202 100
101 13.1 0.0 34.1
203 16.9 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Tgt Ion:240 Resp: 177495
Ion Ratio Lower Upper
240 100
120 14.9 9.5 14.3#
236 25.9 20.7 31.1

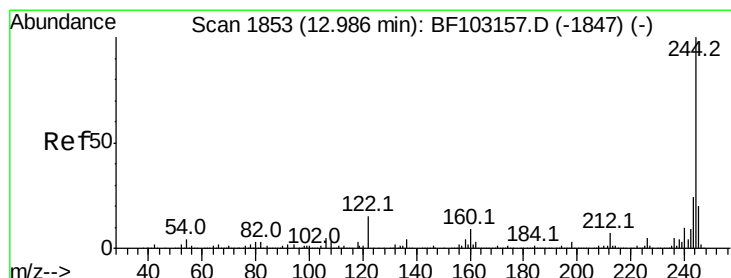
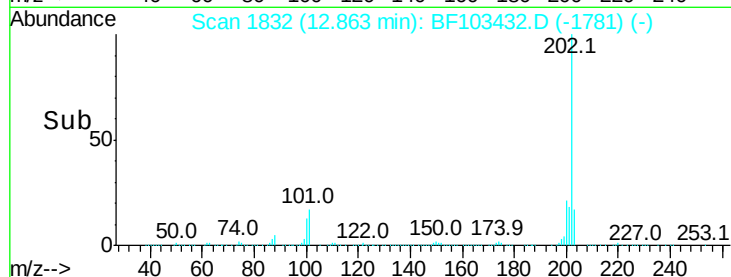
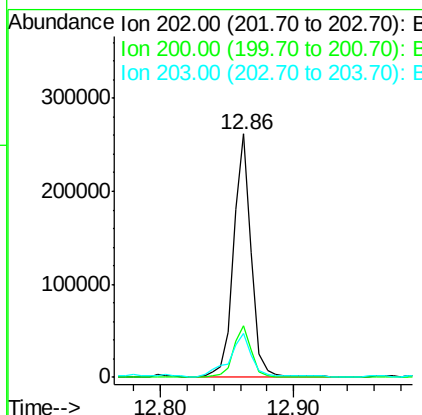
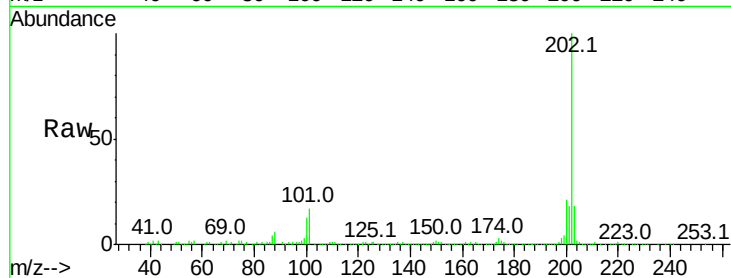




#77
Pvrene
Concen: 17.425 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

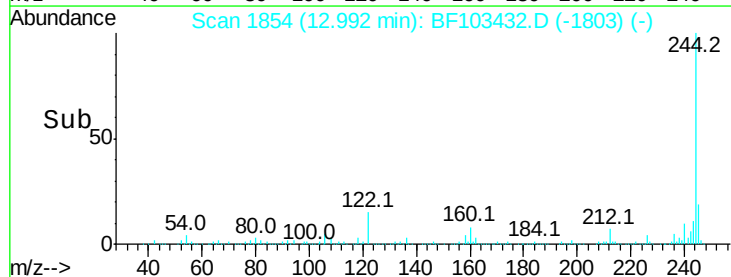
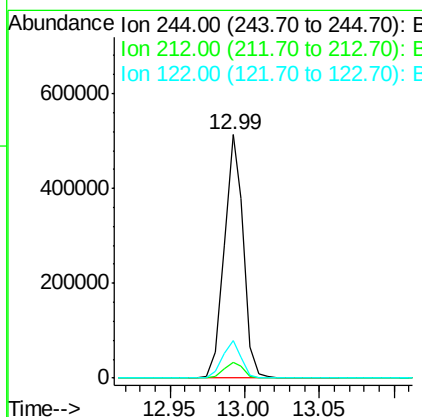
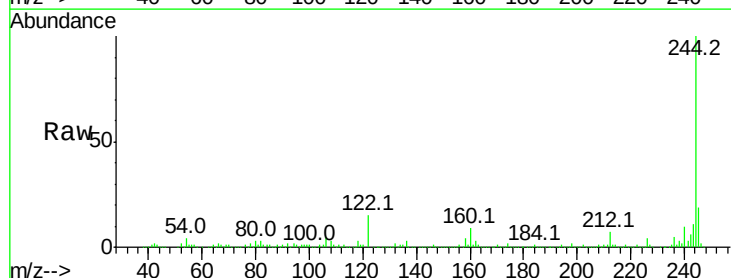
Instrument :
BNA_F
ClientSampleId :

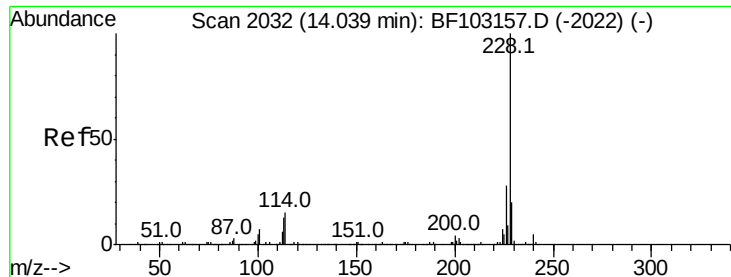
Tot Ion:202 Resp: 241136
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.9 14.3 21.5



#78
Terphenyl-d14
Concen: 62.833 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.00 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Tgt Ion:244 Resp: 463940
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 15.4 11.0 16.4





#80

Benzo(a)anthracene

Concen: 9.147 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103432.D

Acq: 6 Mar 2018 1:46

Instrument :

BNA_F

ClientSampleId :

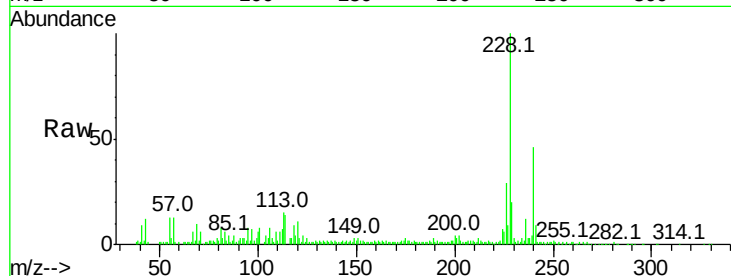
Tot Ion:228 Resp: 105346

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

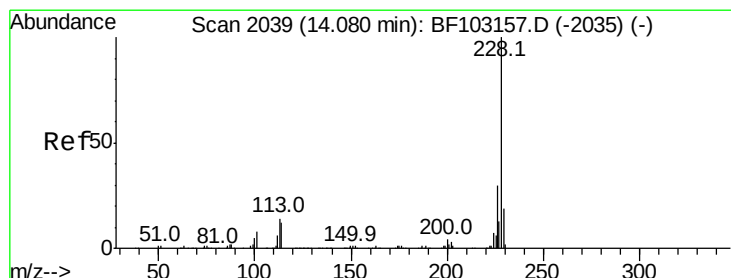
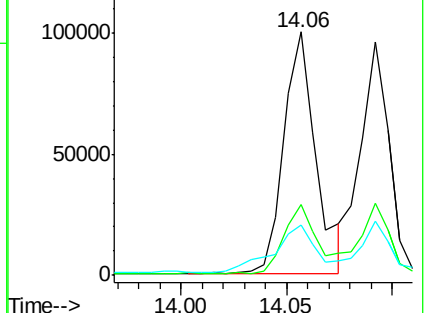
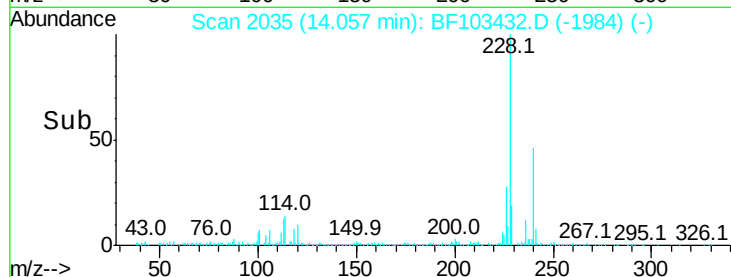
229 20.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 8.136 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF103432.D

Acq: 6 Mar 2018 1:46

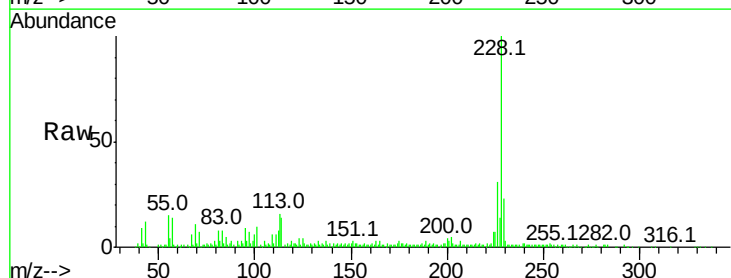
Tgt Ion:228 Resp: 90984

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

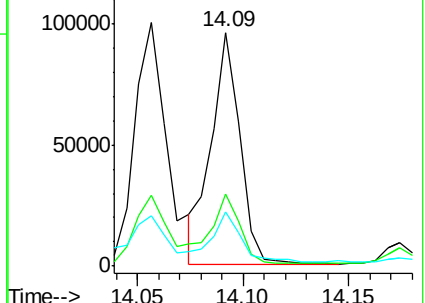
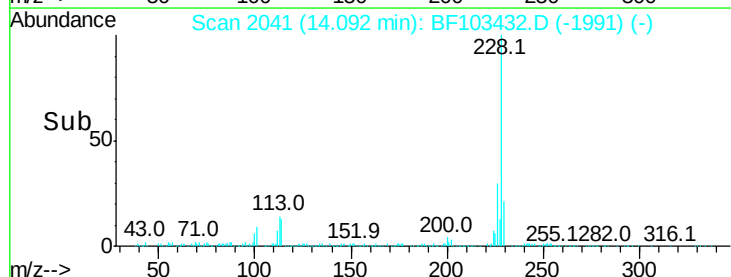
229 23.3 16.2 24.4

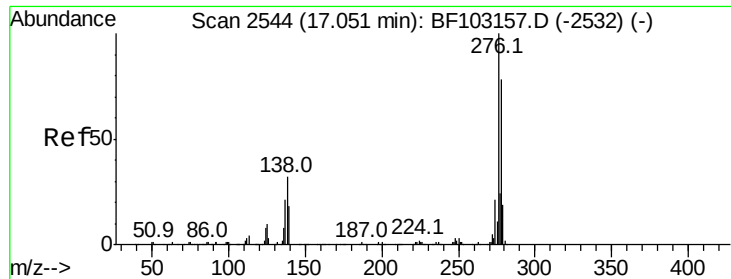


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

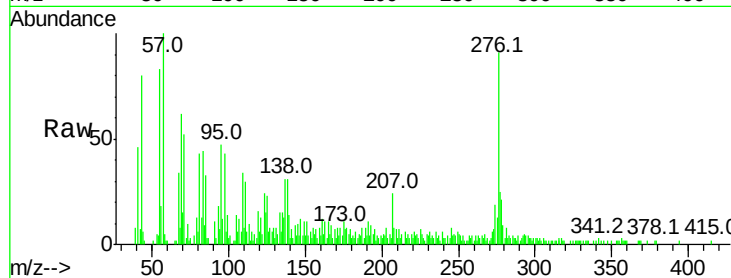




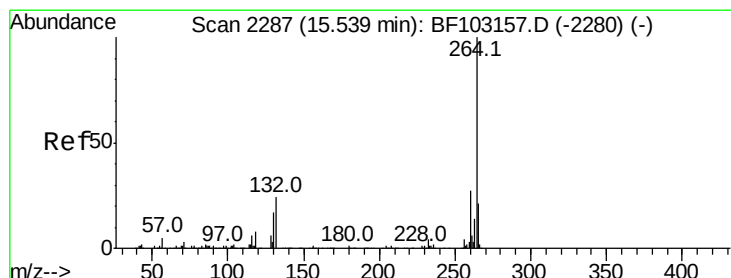
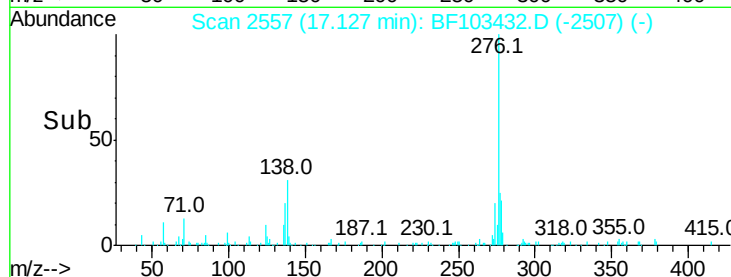
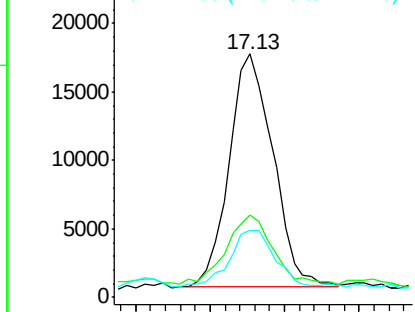
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.952 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 34990
Ion Ratio Lower Upper
276 100
138 32.8 25.0 37.6
277 24.3 20.1 30.1

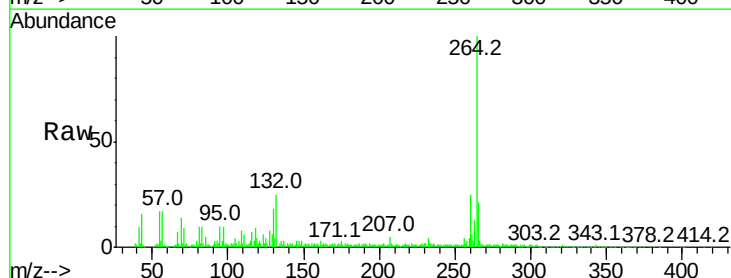


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

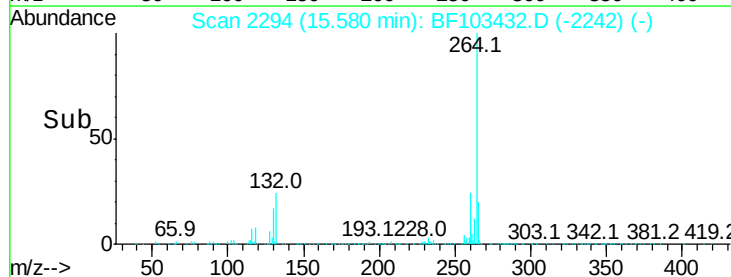
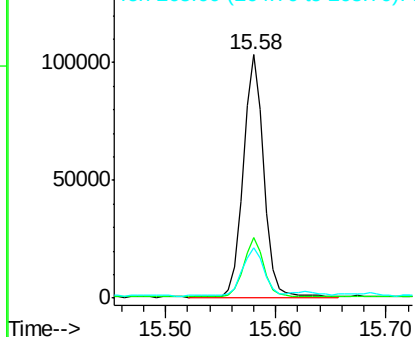


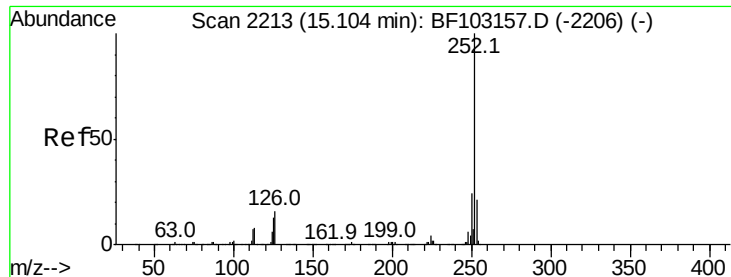
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Tgt Ion:264 Resp: 134227
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 20.8 17.5 26.3



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

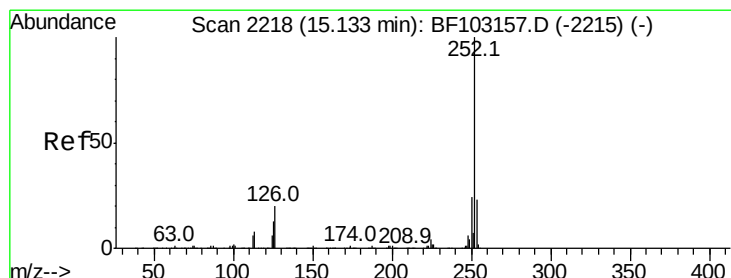
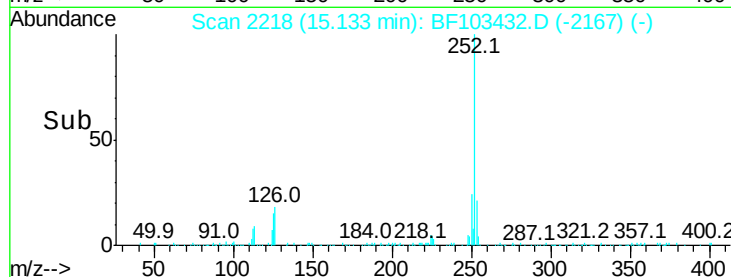
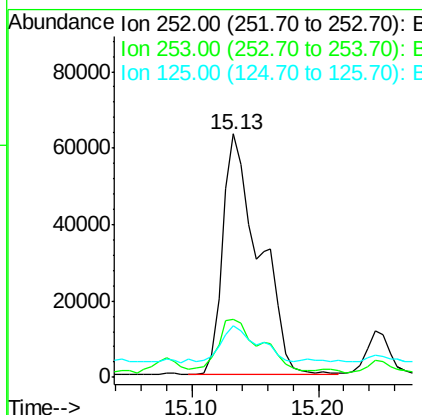
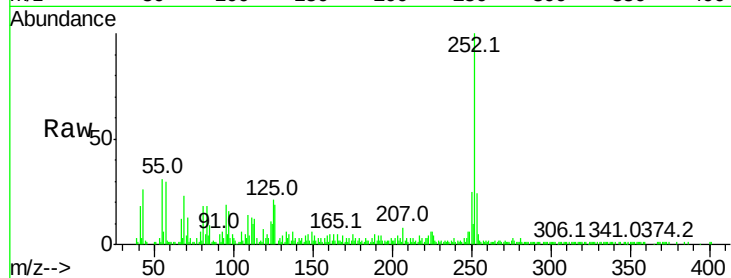




#87
Benzo(b)fluoranthene
Concen: 14.126 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

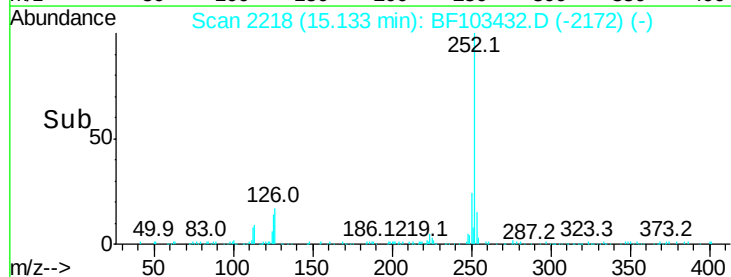
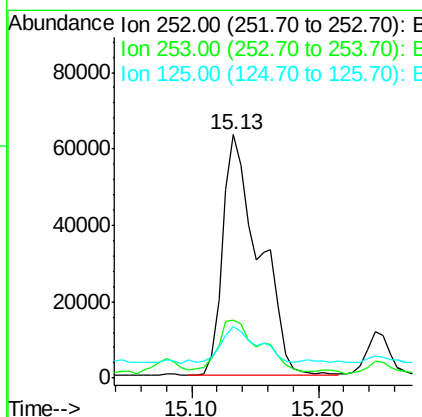
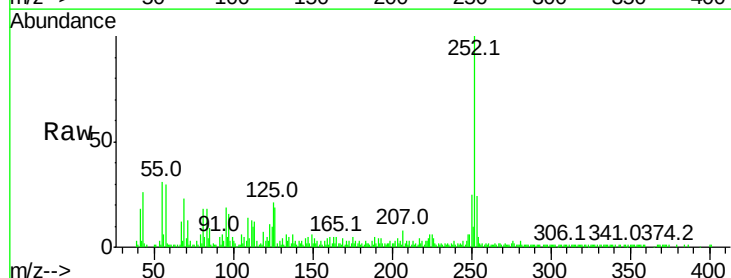
Instrument :
BNA_F
ClientSampleId :

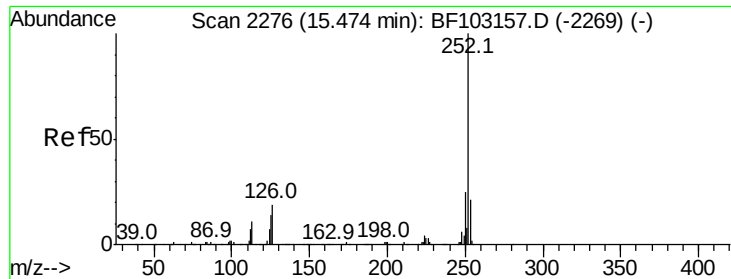
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	20.9	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 15.001 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	20.9	10.2	15.2

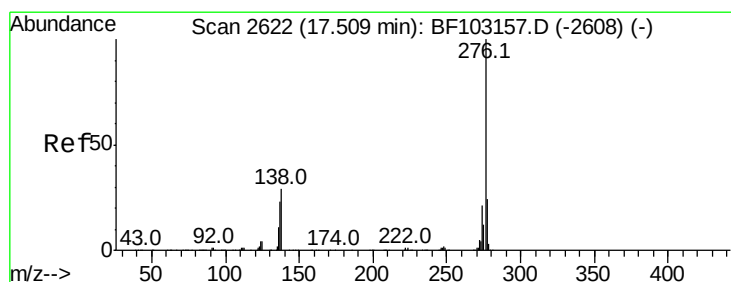
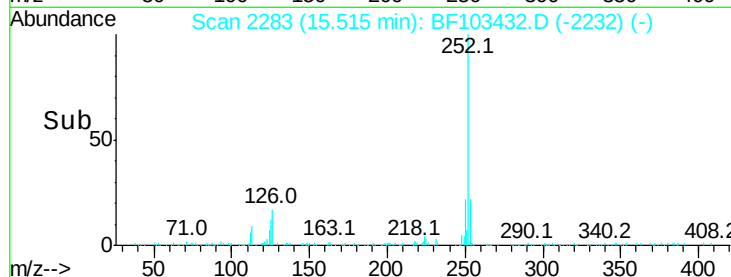
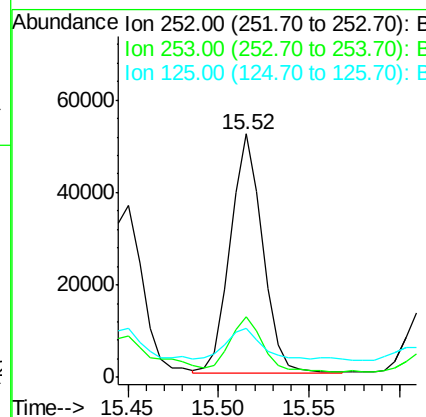
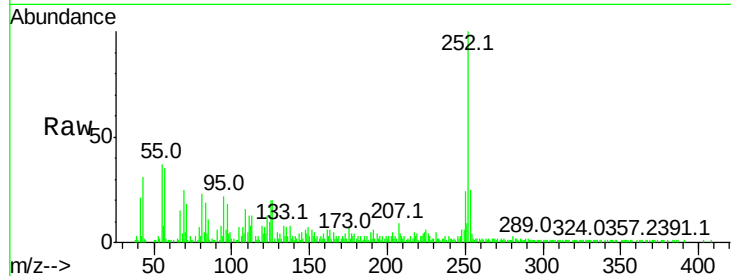




#89
Benzo(a)pyrene
Concen: 8.177 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 64443
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 20.4 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 5.824 ng
RT: 17.60 min Scan# 2638
Delta R.T. 0.01 min
Lab File: BF103432.D
Acq: 6 Mar 2018 1:46

Tgt Ion:276 Resp: 34664
Ion Ratio Lower Upper
276 100
277 28.0 17.9 26.9#
138 35.5 21.8 32.8#

