

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103214.D
 Acq On : 26 Feb 2018 13:14
 Operator : SJ/JU
 Sample : J1652-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 13:51:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	169873	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	711568	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	299755	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	441633	20.00	ng	0.00
75) Chrysene-d12	14.04	240	300898	20.00	ng	0.00
86) Perylene-d12	15.54	264	310042	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1061367	94.50	ng	0.01
7) Phenol-d6	6.50	99	1272349	92.58	ng	0.00
23) Nitrobenzene-d5	7.43	82	839004	67.34	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	218282	86.03	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1239584	67.85	ng	0.00
78) Terphenyl-d14	12.98	244	823763	65.81	ng	0.00

Target Compounds

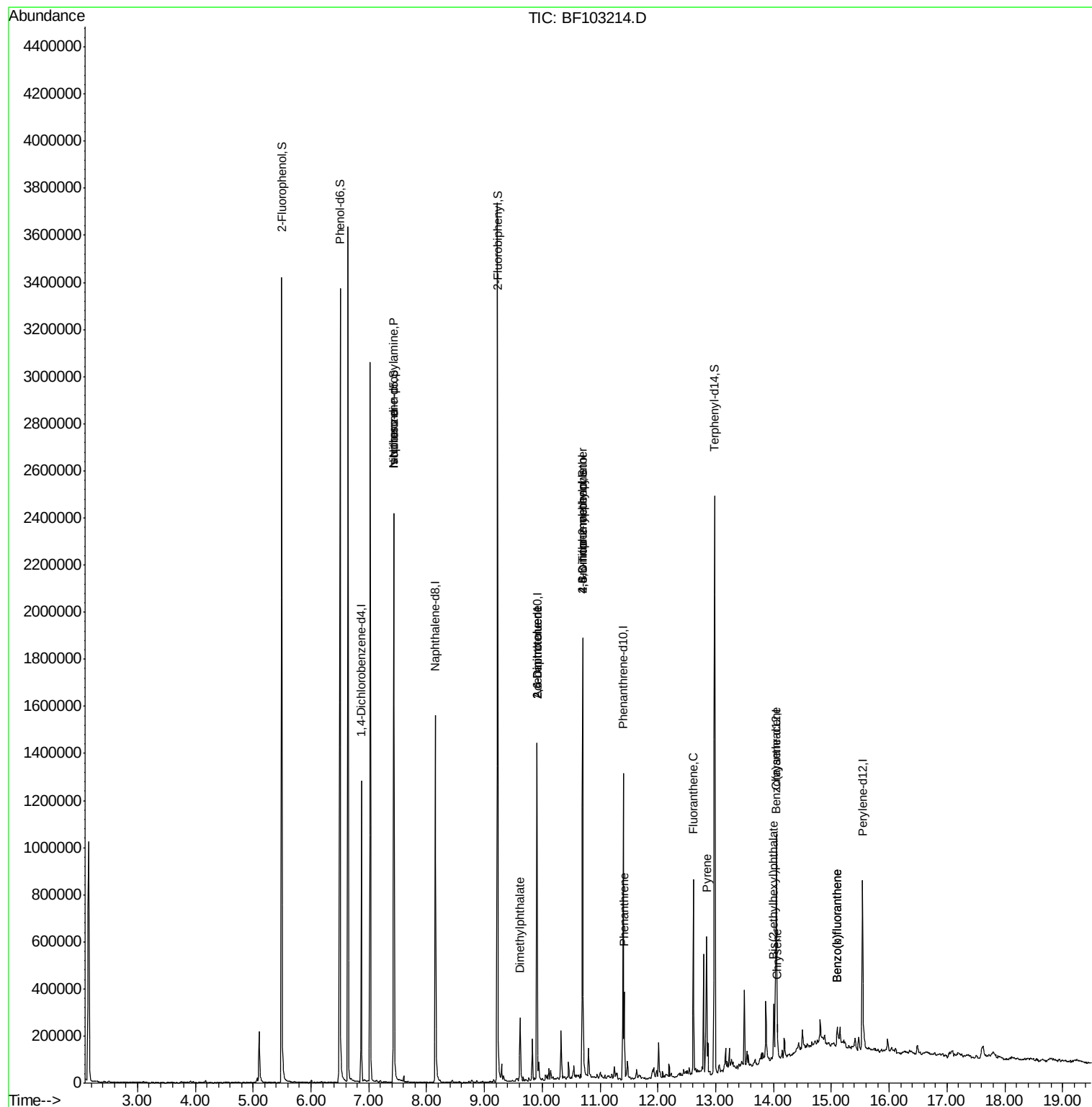
						Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	108969	12.739	ng	# 84
25) Isophorone	7.43	82	838999	34.189	ng	# 64
49) Dimethylphthalate	9.62	163	101054	4.202	ng	98
50) 2,6-Dinitrotoluene	9.91	165	38463	7.622	ng	# 26
56) 2,4-Dinitrotoluene	9.91	165	38463	6.027	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	354	5.064	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	14232	3.094	ng	# 1
70) Phenanthrene	11.42	178	119300	4.909	ng	98
74) Fluoranthene	12.62	202	329941	13.509	ng	98
77) Pyrene	12.84	202	232795	9.923	ng	99
80) Benzo(a)anthracene	14.03	228	67578	3.461	ng	97
82) Chrysene	14.07	228	45763	2.414	ng	96
83) Bis(2-ethylhexyl)phthalate	14.00	149	59616	3.564	ng	# 96
87) Benzo(b)fluoranthene	15.10	252	65844	3.230	ng	# 91
88) Benzo(k)fluoranthene	15.10	252	65844	3.430	ng	# 94

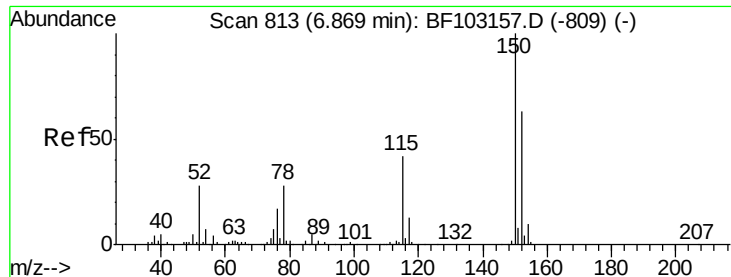
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103214.D
Acq On : 26 Feb 2018 13:14
Operator : SJ/JU
Sample : J1652-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 26 13:51:19 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration



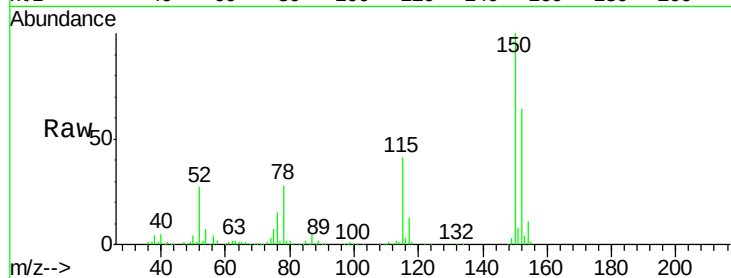


#1

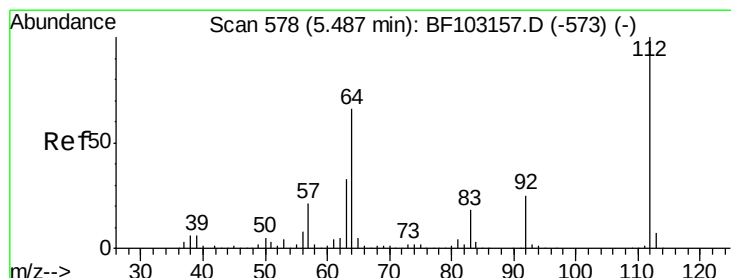
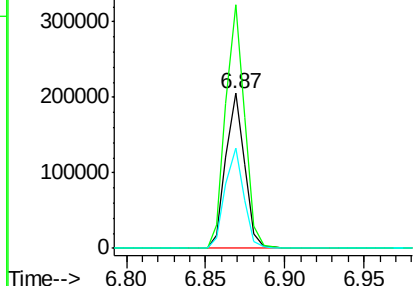
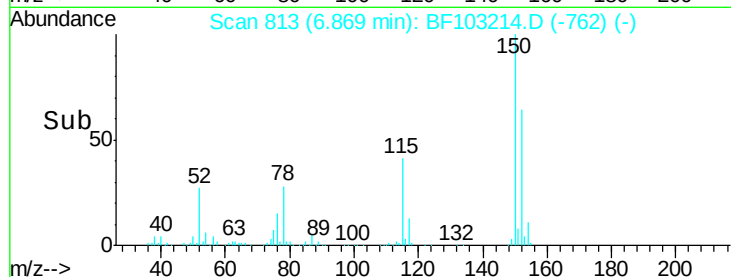
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103214.D
Acq: 26 Feb 2018 13:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	65.1	50.1	75.1



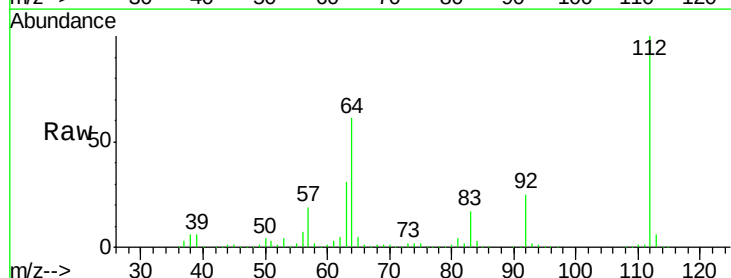
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



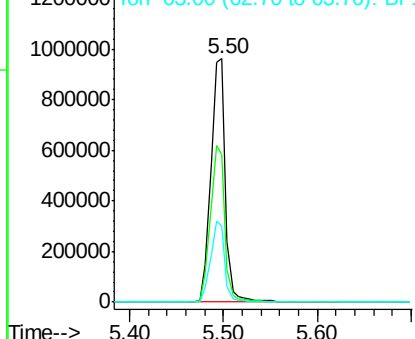
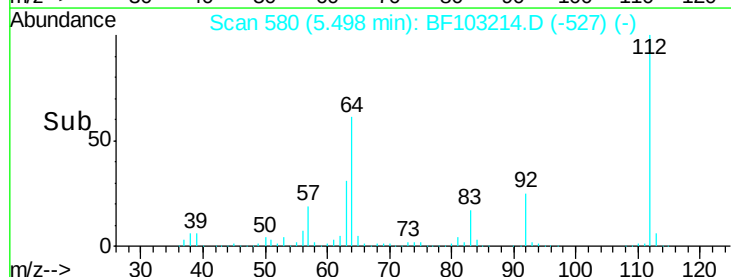
#5

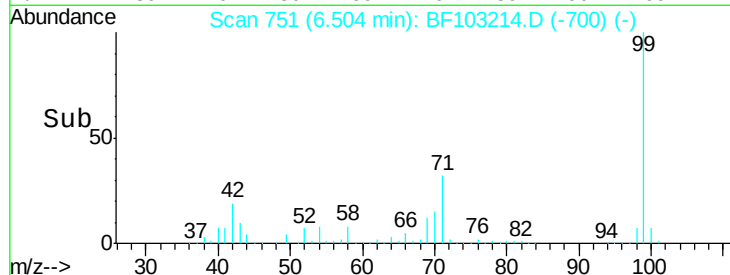
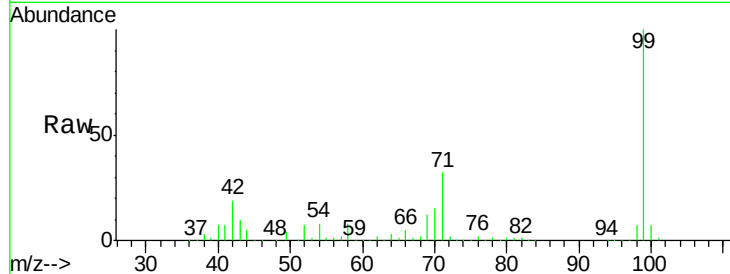
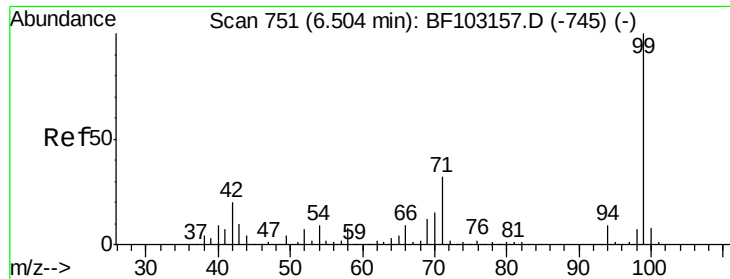
2-Fluorophenol
Concen: 94.497 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103214.D
Acq: 26 Feb 2018 13:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.9	71.9
63	31.0	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.576 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

Instrument :

BNA_F

ClientSampleId :

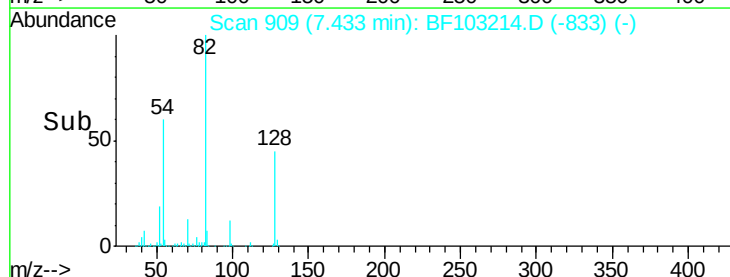
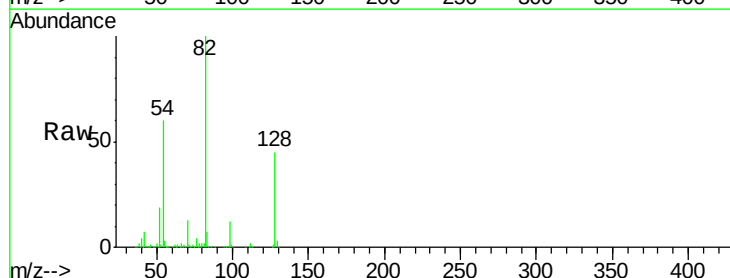
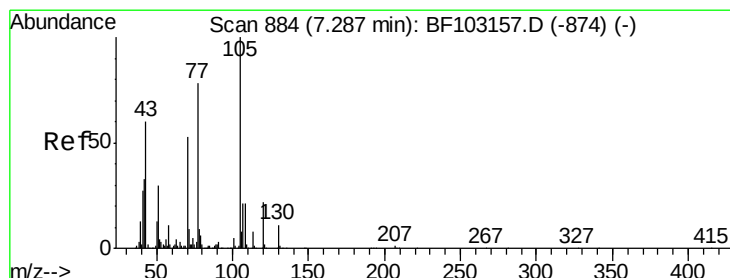
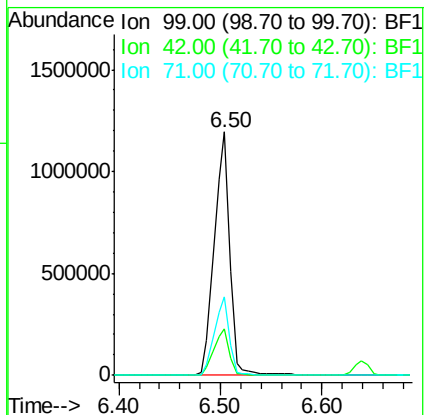
Tot Ion: 99 Resp: 1272349

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 32.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.739 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

Tgt Ion: 70 Resp: 108969

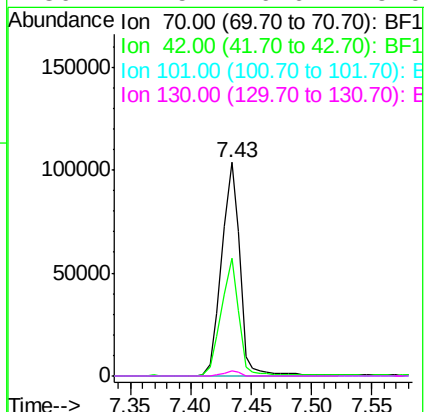
Ion Ratio Lower Upper

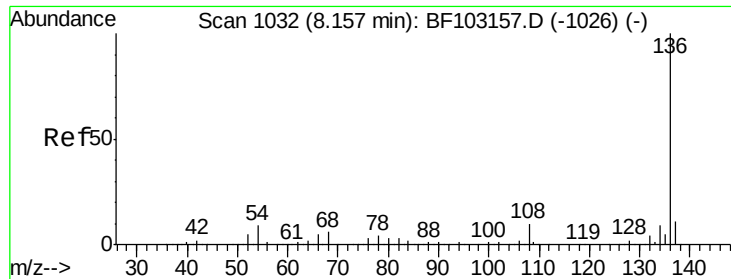
70 100

42 55.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

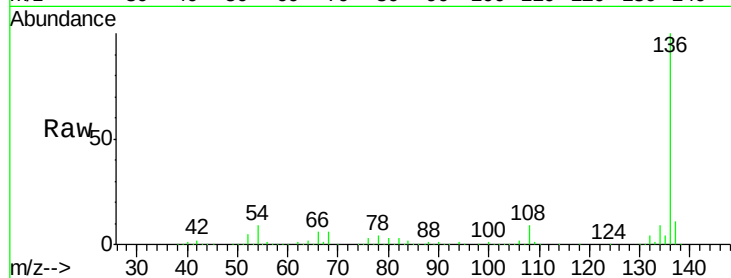




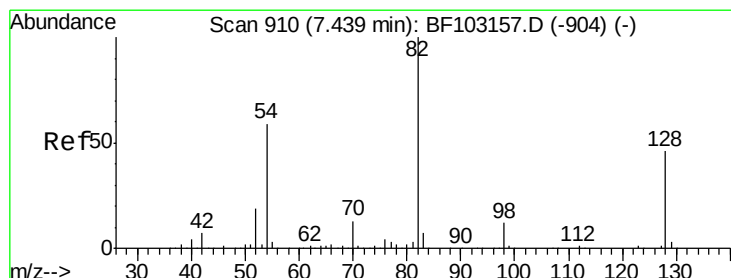
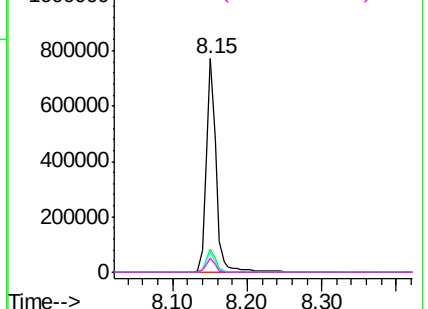
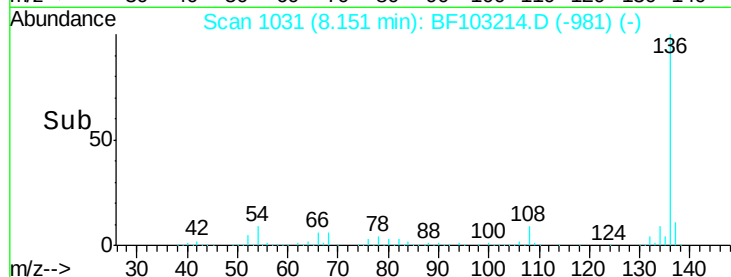
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103214.D
Acq: 26 Feb 2018 13:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	711568
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	9.3	6.6 9.8
68	6.5	5.0 7.4

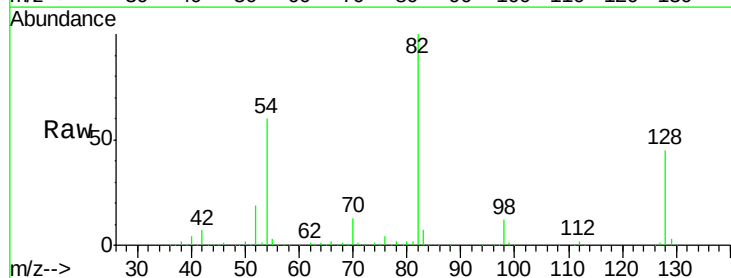


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

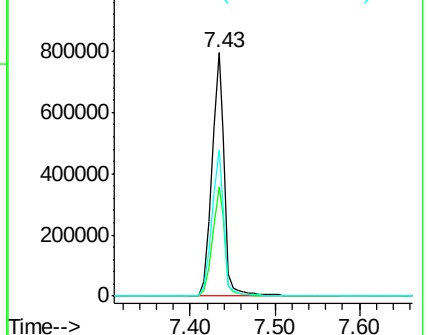
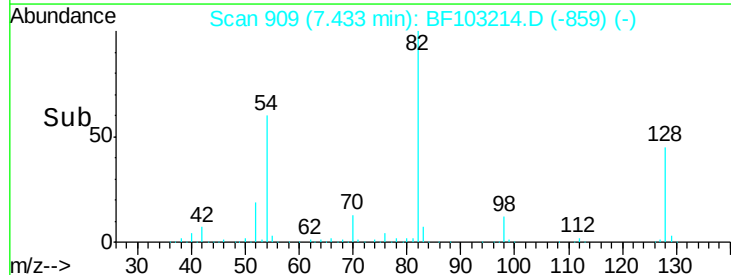


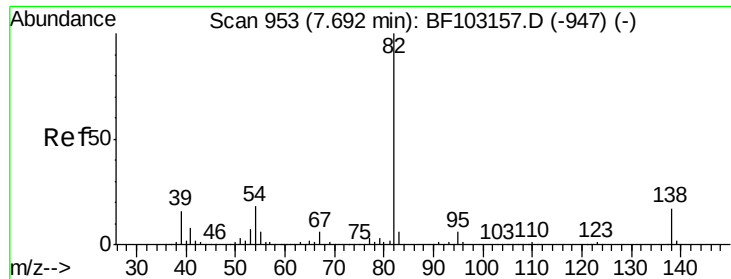
#23
Nitrobenzene-d5
Concen: 67.336 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103214.D
Acq: 26 Feb 2018 13:14

Tgt Ion: 82	Resp:	839004
Ion Ratio	Lower	Upper
82	100	
128	45.0	36.1 54.1
54	60.2	41.4 62.2



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





#25

Isophorone

Concen: 34.189 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

Instrument :

BNA_F

ClientSampleId :

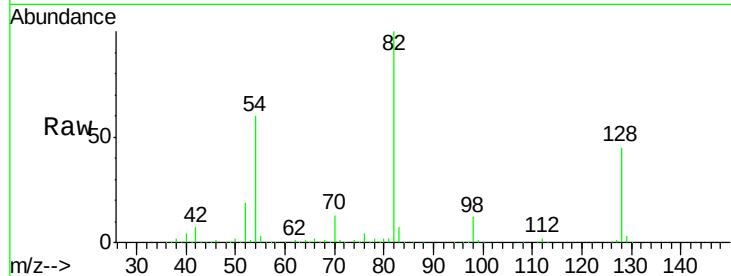
Tot Ion: 82 Resp: 838999

Ion Ratio Lower Upper

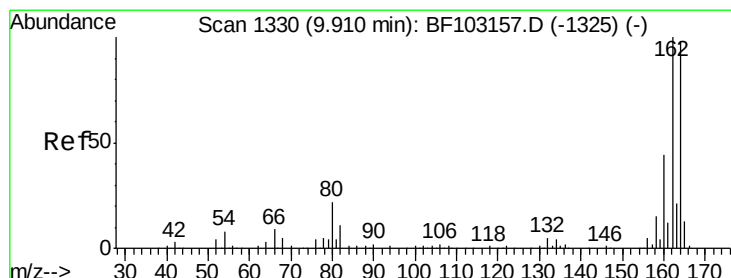
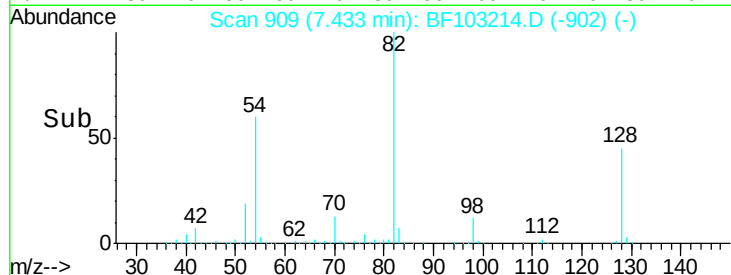
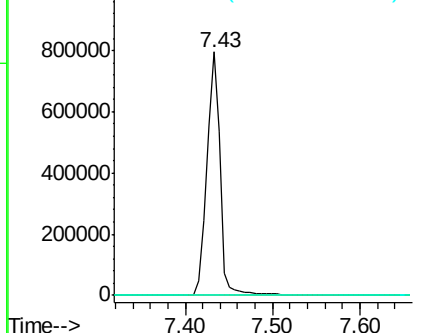
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

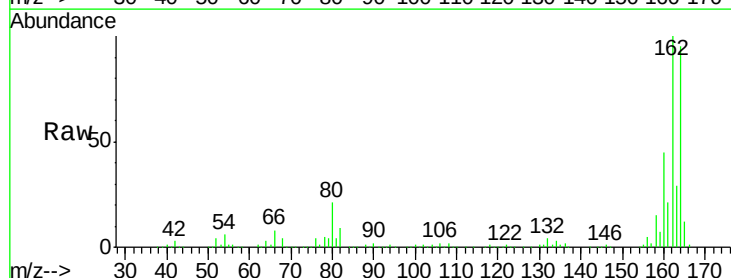
Tgt Ion: 164 Resp: 299755

Ion Ratio Lower Upper

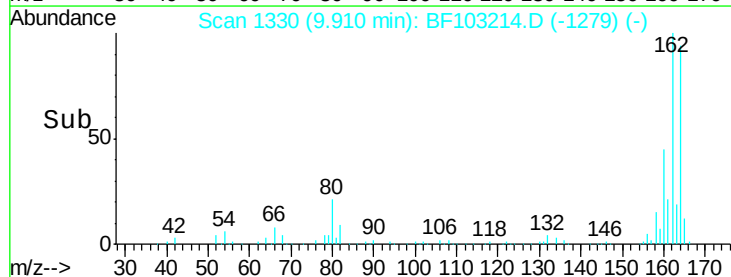
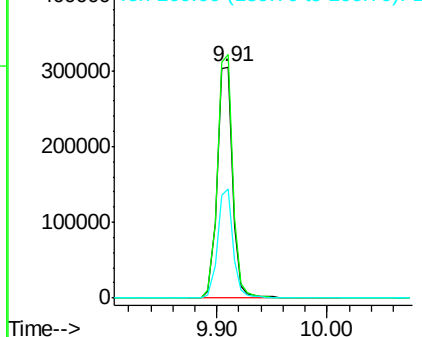
164 100

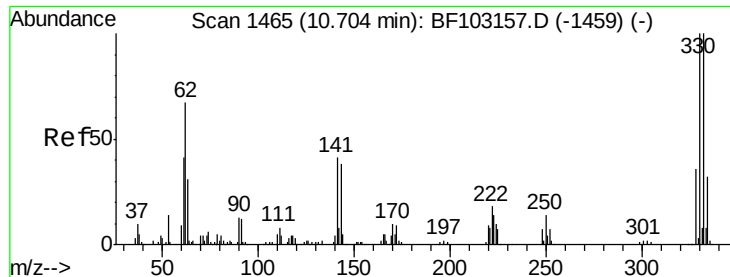
162 105.4 86.1 129.1

160 47.0 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

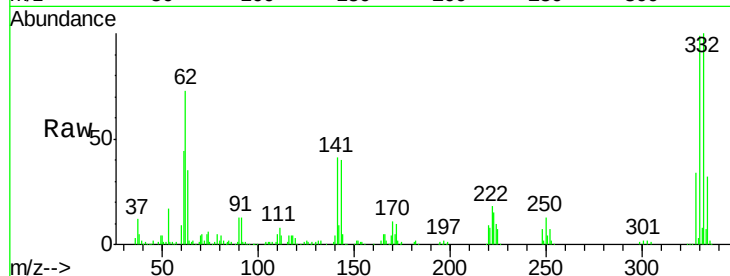




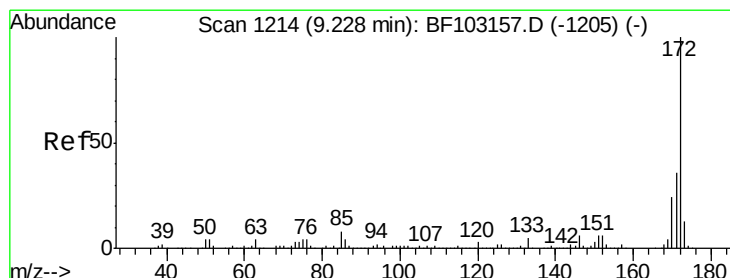
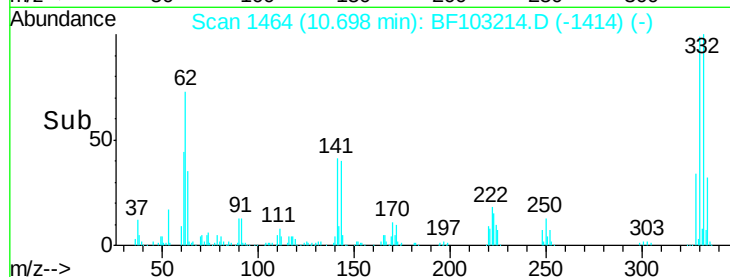
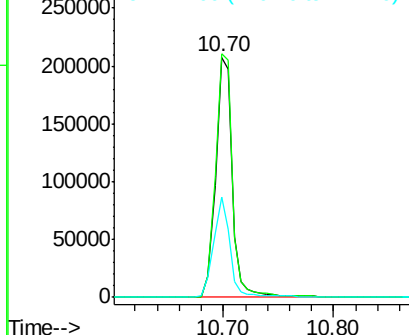
#41
 2,4,6-Tribromophenol
 Concen: 86.031 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103214.D
 Acq: 26 Feb 2018 13:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 218282
 Ion Ratio Lower Upper
 330 100
 332 103.4 77.0 115.6
 141 40.7 29.9 44.9

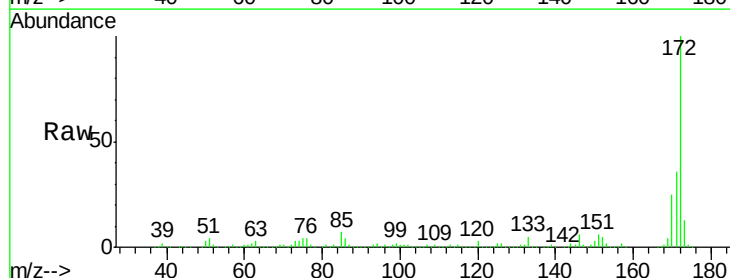


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

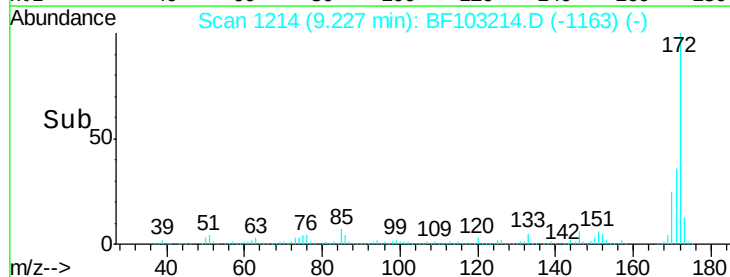
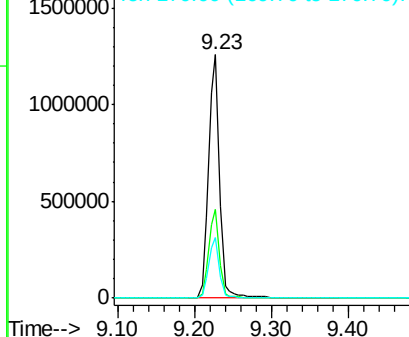


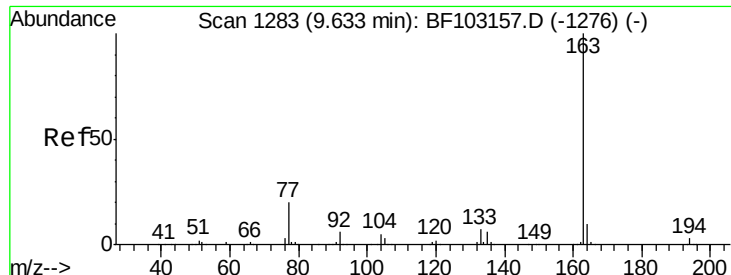
#44
 2-Fluorobiphenyl
 Concen: 67.852 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103214.D
 Acq: 26 Feb 2018 13:14

Tgt Ion:172 Resp: 1239584
 Ion Ratio Lower Upper
 172 100
 171 36.2 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

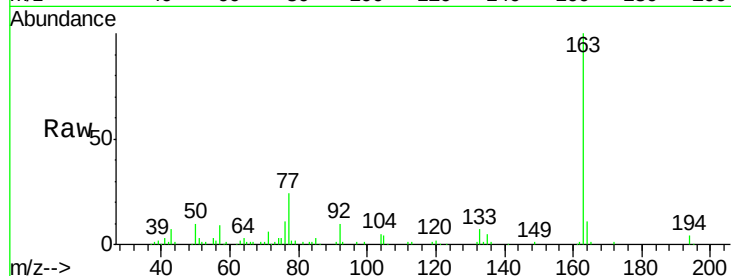




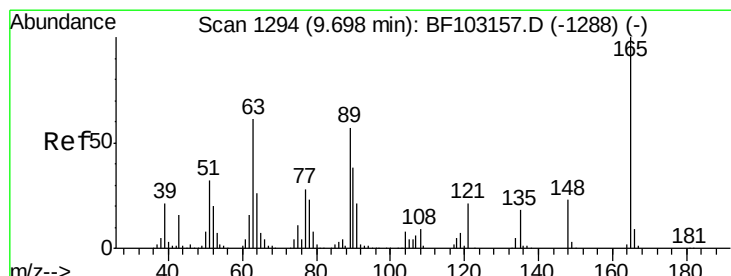
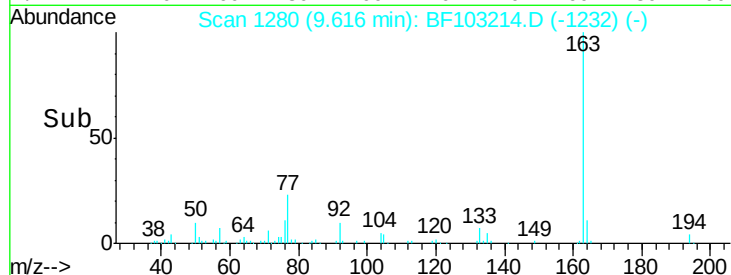
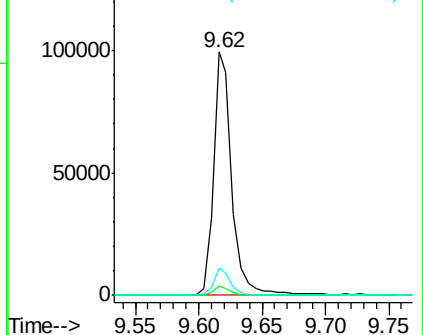
#49
Dimethylphthalate
Concen: 4.202 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103214.D
Acq: 26 Feb 2018 13:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 101054
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 11.0 8.2 12.2

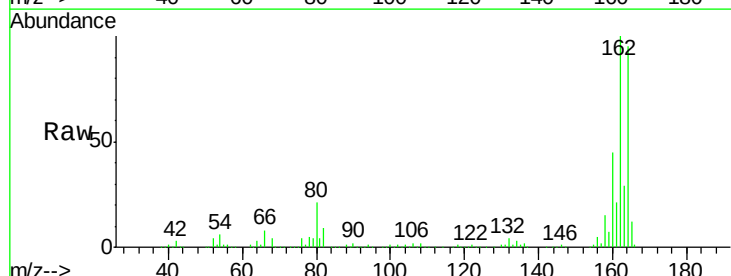


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

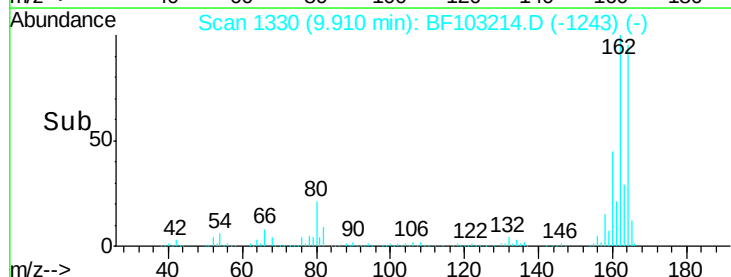
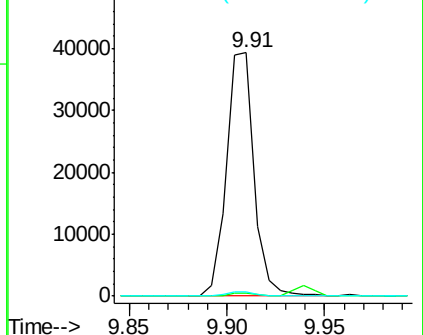


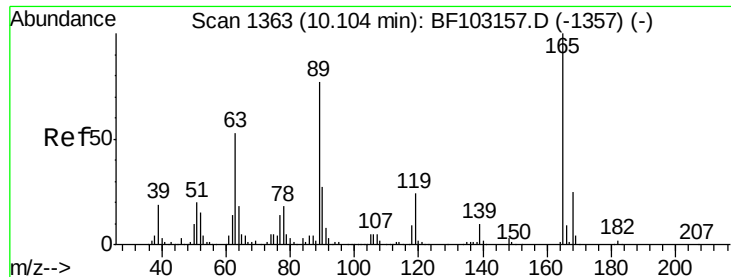
#50
2,6-Dinitrotoluene
Concen: 7.622 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103214.D
Acq: 26 Feb 2018 13:14

Tgt Ion:165 Resp: 38463
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.8 44.0 66.0#



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

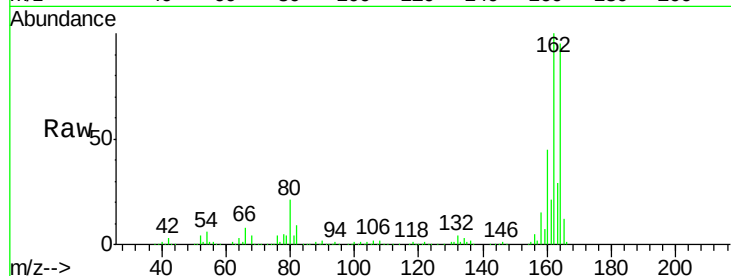




#56
 2,4-Dinitrotoluene
 Concen: 6.027 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.19 min
 Lab File: BF103214.D
 Acq: 26 Feb 2018 13:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

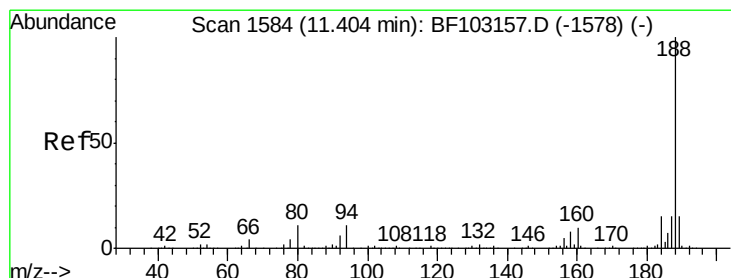
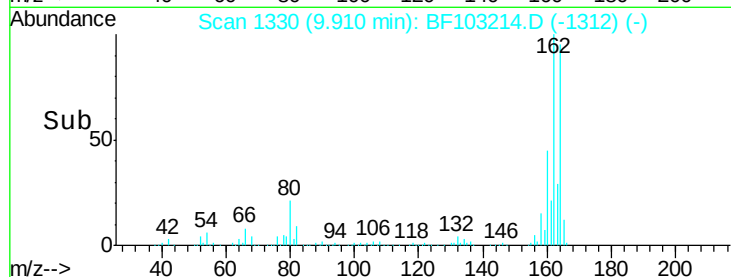
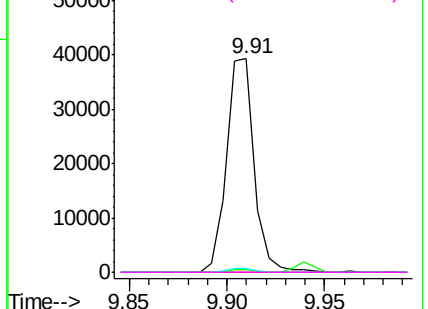


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

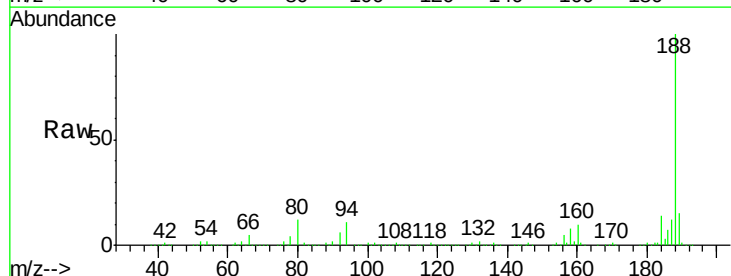
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103214.D
 Acq: 26 Feb 2018 13:14

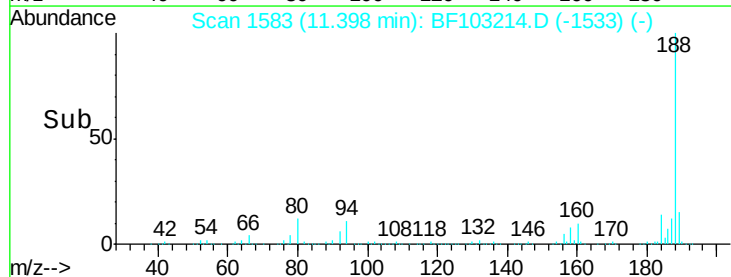
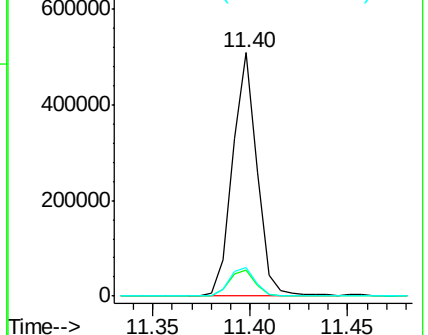
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.8	9.2	13.8

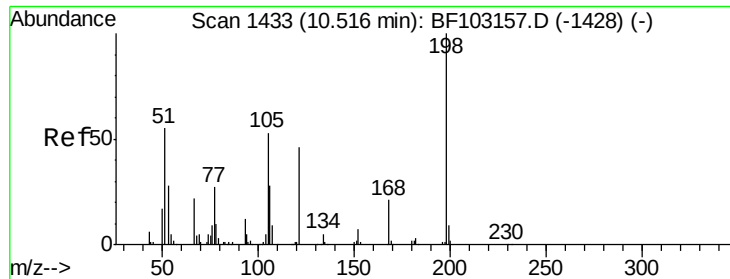


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 5.064 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

Instrument :

BNA_F

ClientSampleId :

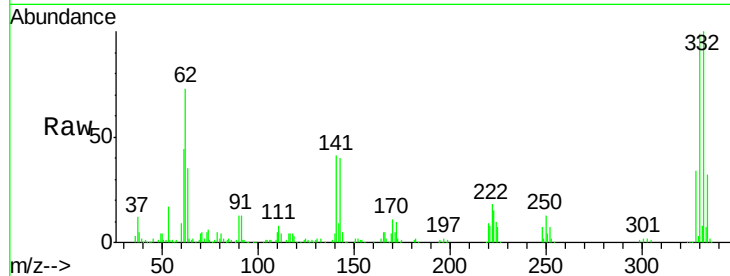
Tot Ion:198 Resp: 354

Ion Ratio Lower Upper

198 100

51 227.6 37.7 77.7#

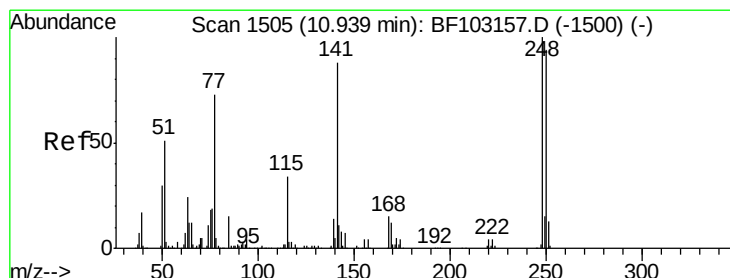
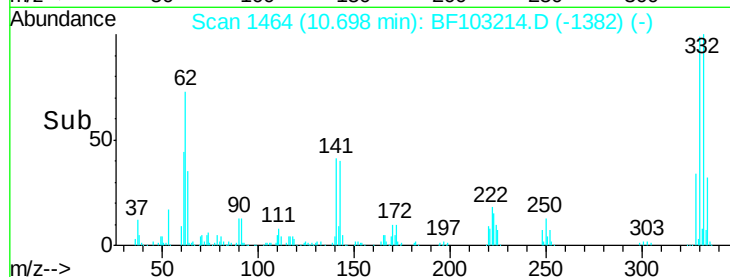
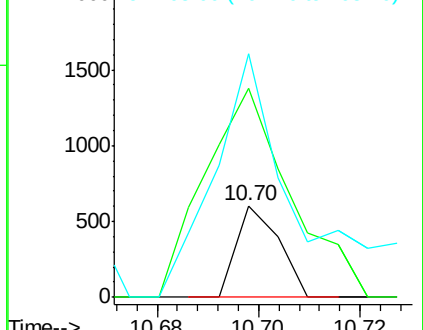
105 265.5 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.094 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.24 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

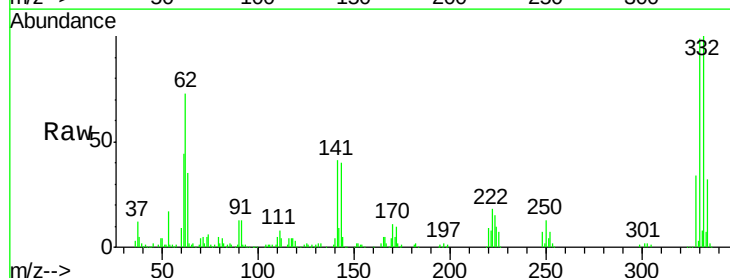
Tgt Ion:248 Resp: 14232

Ion Ratio Lower Upper

248 100

250 194.0 76.9 115.3#

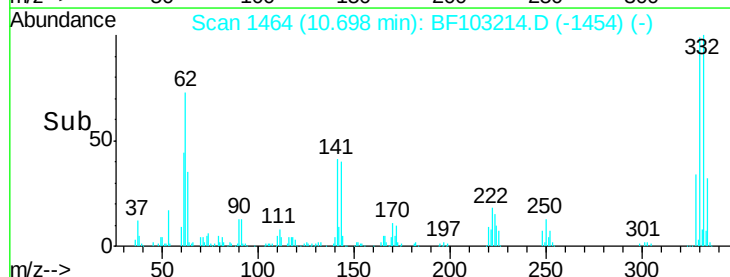
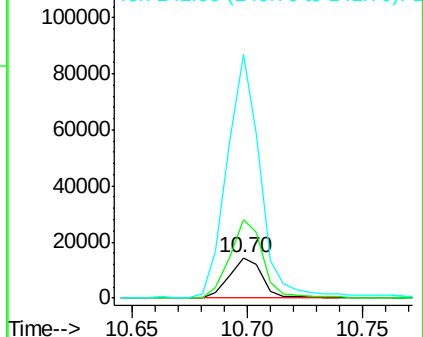
141 602.6 74.4 111.6#

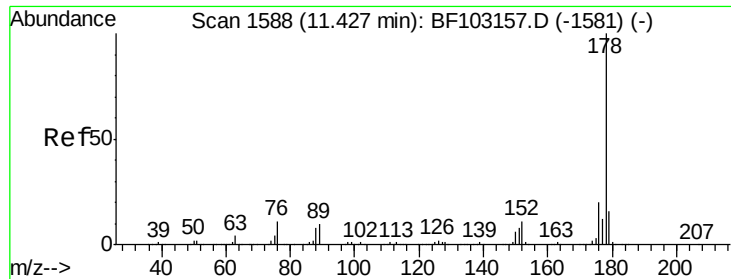


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.909 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

Instrument :

BNA_F

ClientSampleId :

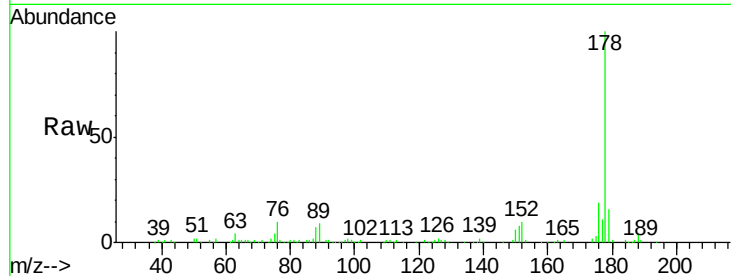
Tot Ion:178 Resp: 119300

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

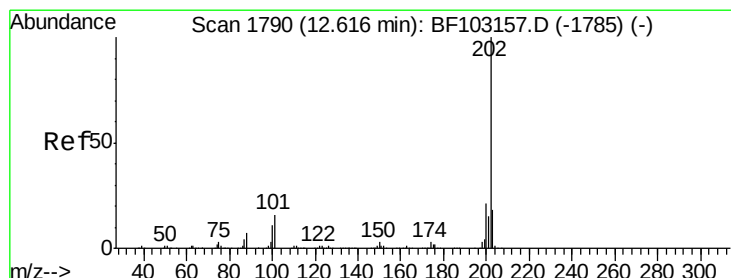
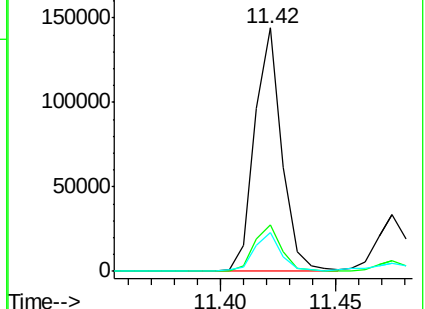
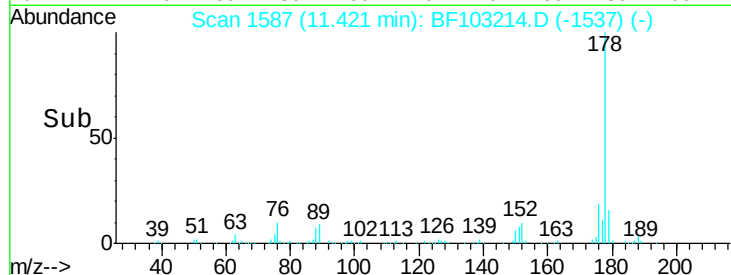
179 15.8 13.0 19.6



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



#74

Fluoranthene

Concen: 13.509 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

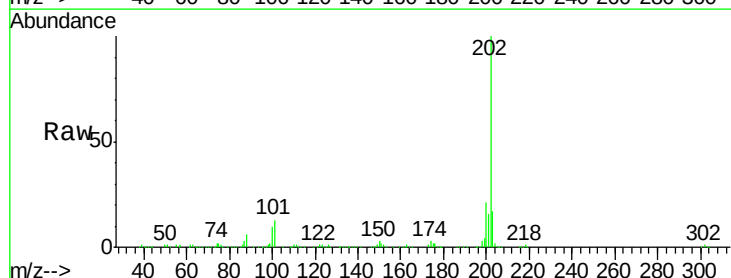
Tgt Ion:202 Resp: 329941

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

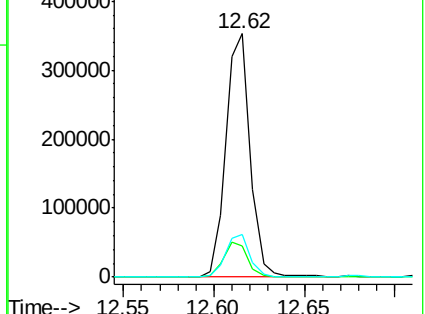
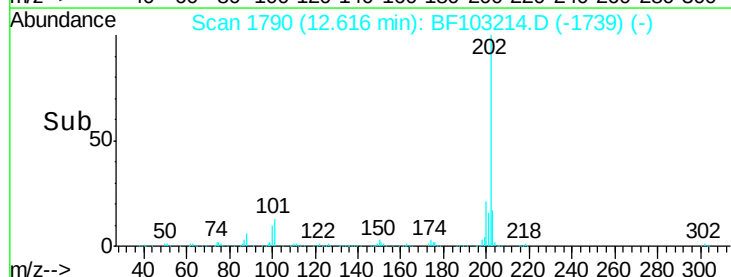
203 17.3 0.0 38.1

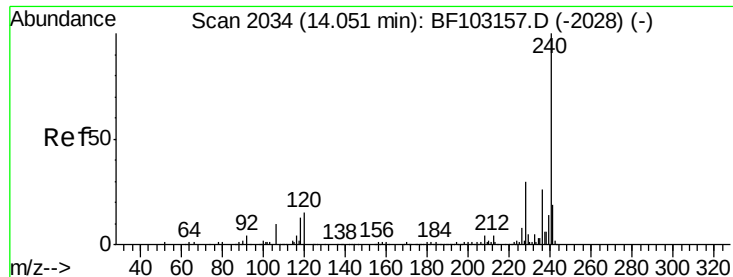


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

Instrument :

BNA_F

ClientSampleId :

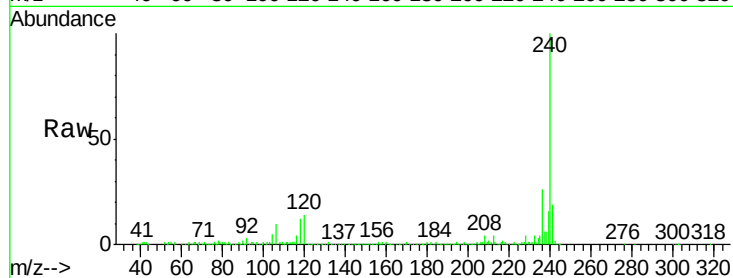
Tot Ion:240 Resp: 300898

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

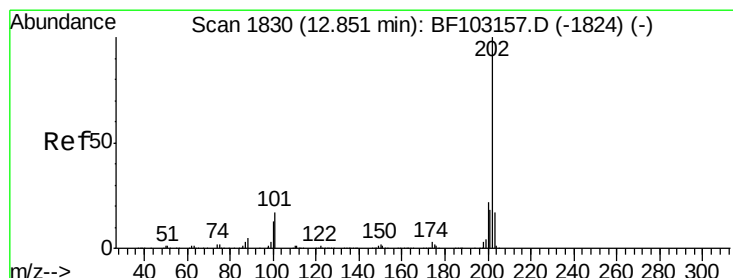
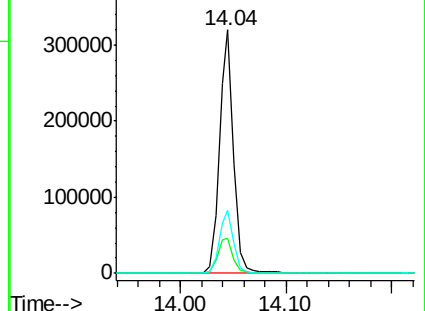
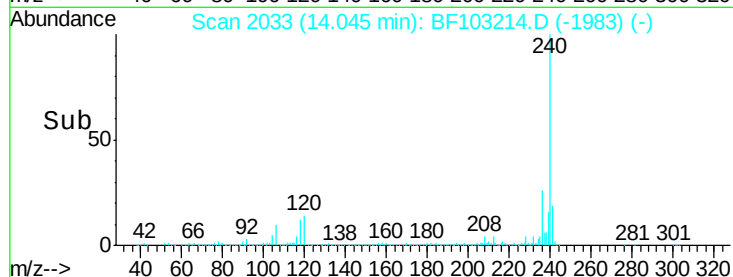
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.923 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

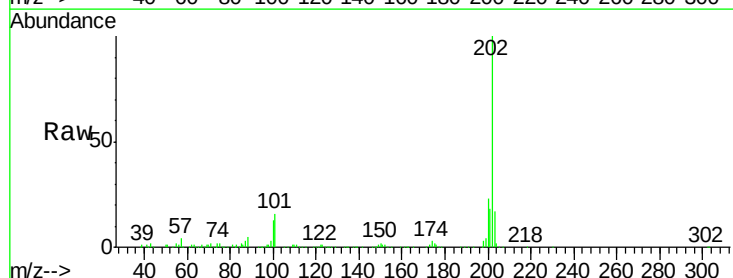
Tgt Ion:202 Resp: 232795

Ion Ratio Lower Upper

202 100

200 22.5 17.4 26.2

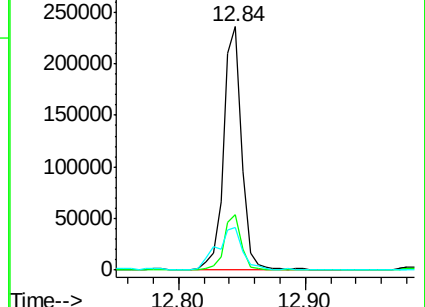
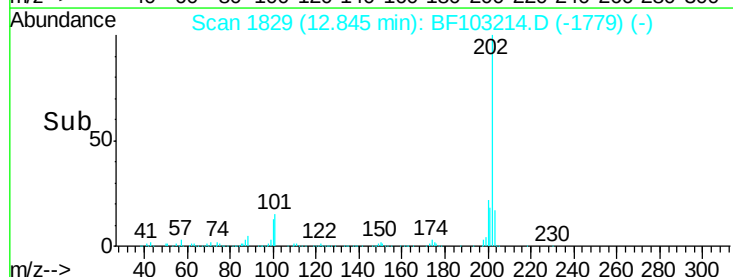
203 17.4 14.3 21.5

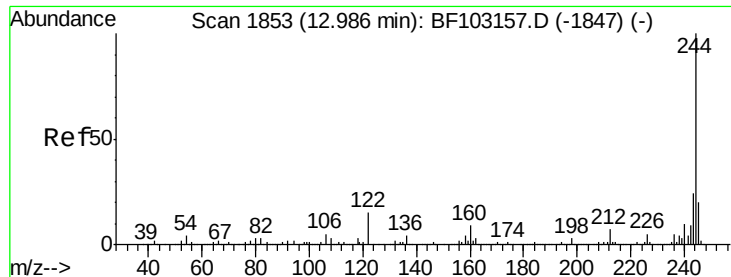


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.810 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

Instrument :

BNA_F

ClientSampleId :

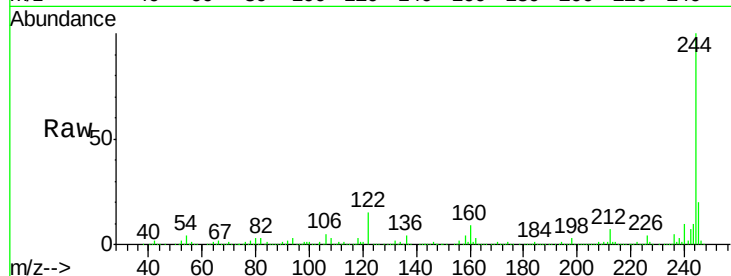
Tot Ion:244 Resp: 823763

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

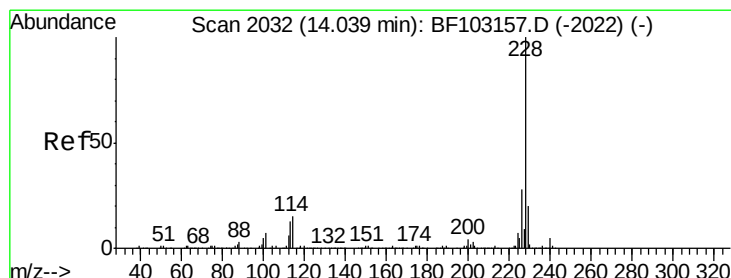
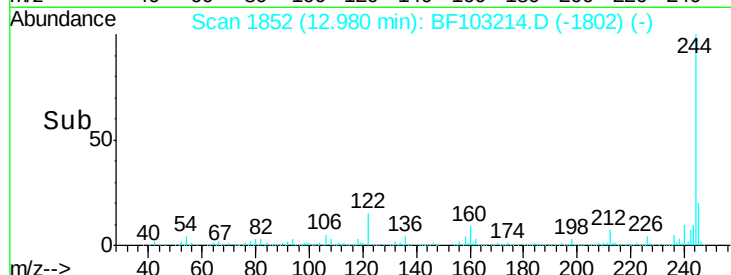
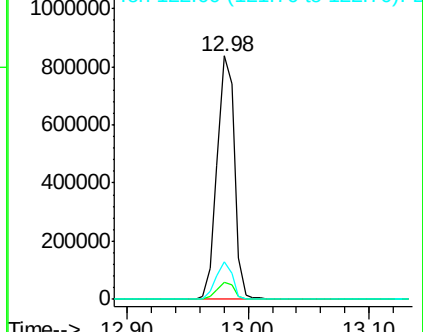
122 15.4 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.461 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF103214.D

Acq: 26 Feb 2018 13:14

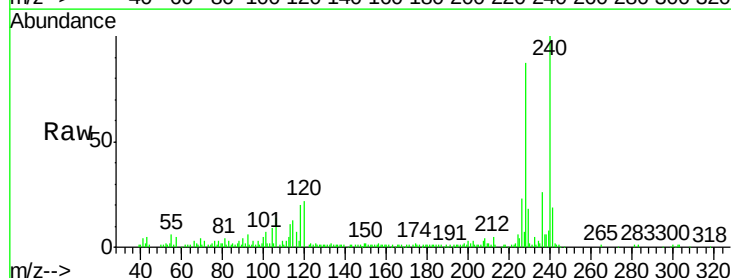
Tgt Ion:228 Resp: 67578

Ion Ratio Lower Upper

228 100

226 27.0 22.6 33.8

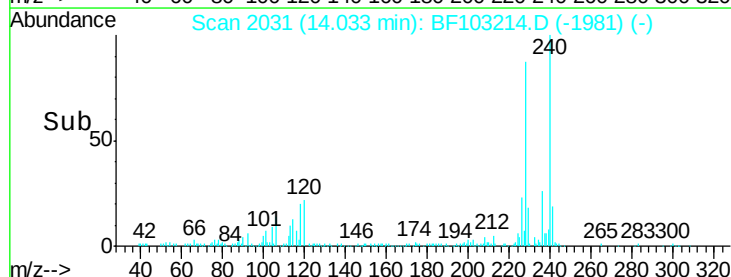
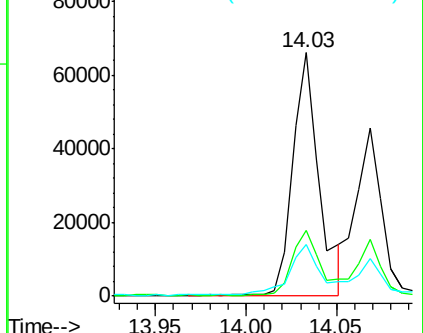
229 21.3 15.8 23.6

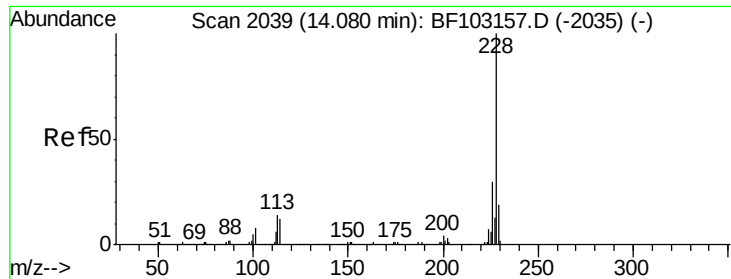


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

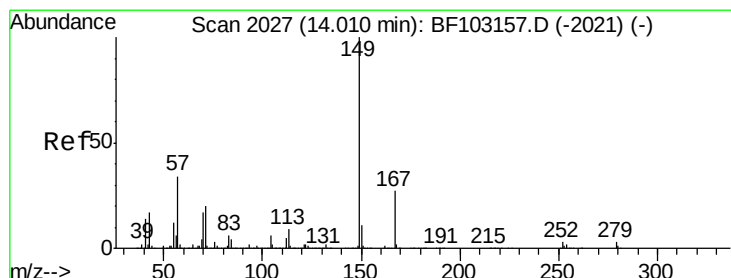
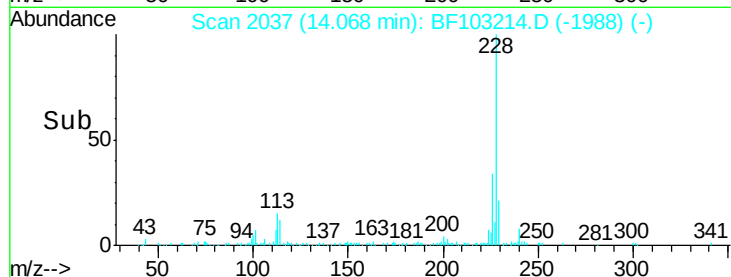
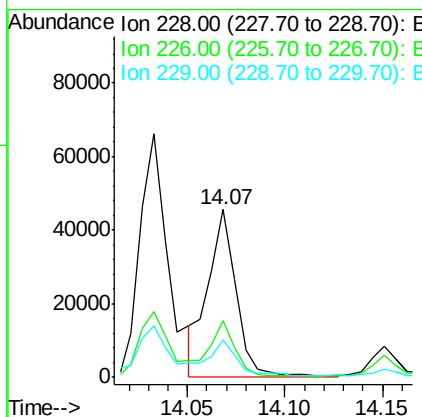
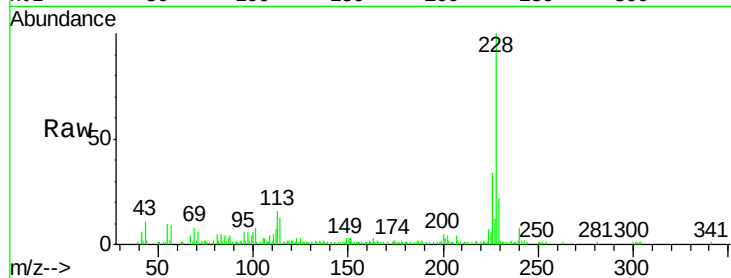




#82
 Chrysene
 Concen: 2.414 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF103214.D
 Acq: 26 Feb 2018 13:14

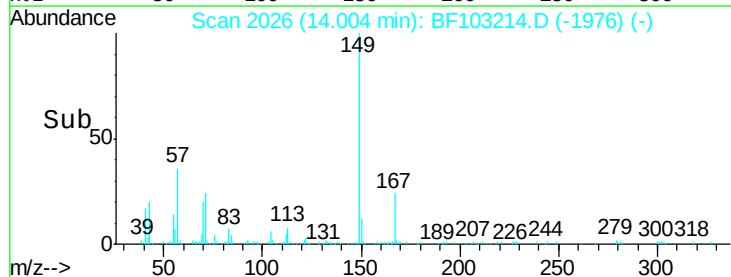
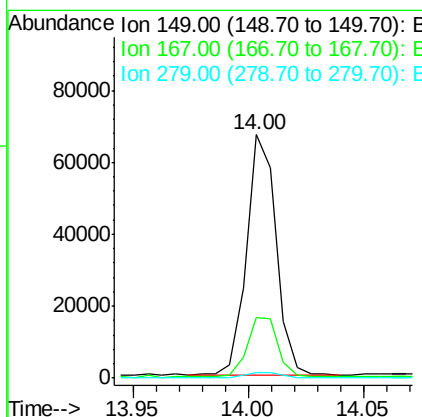
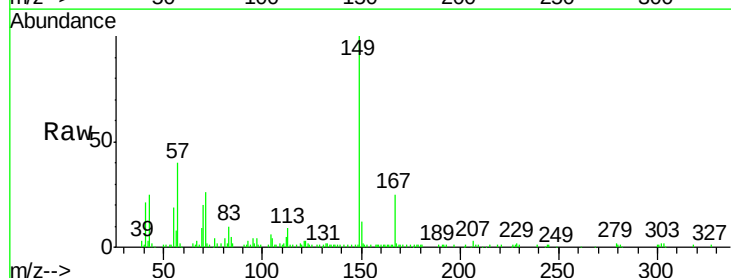
Instrument :
 BNA_F
 ClientSampleId :

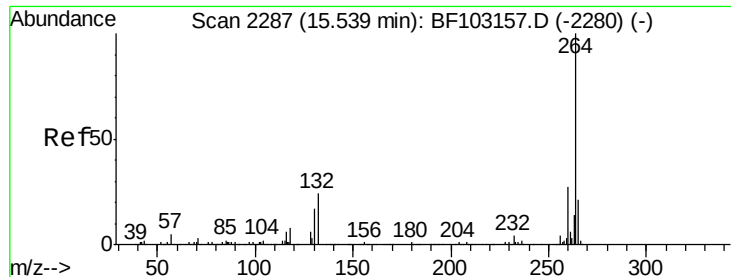
Tot Ion:228 Resp: 45763
 Ion Ratio Lower Upper
 228 100
 226 33.5 25.0 37.6
 229 22.3 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.564 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF103214.D
 Acq: 26 Feb 2018 13:14

Tgt Ion:149 Resp: 59616
 Ion Ratio Lower Upper
 149 100
 167 24.7 21.3 31.9
 279 2.4 3.0 4.4#

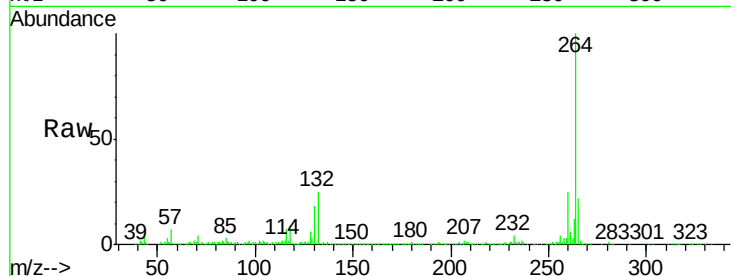




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.00 min
Lab File: BF103214.D
Acq: 26 Feb 2018 13:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	22.2	17.5	26.3

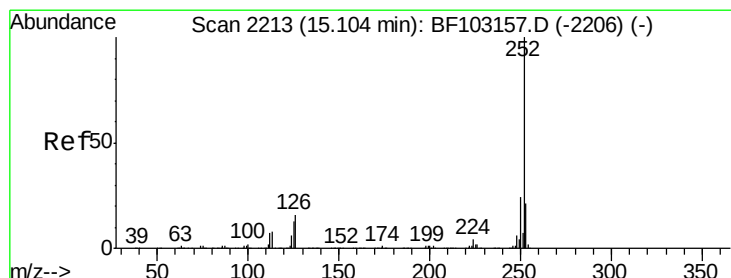
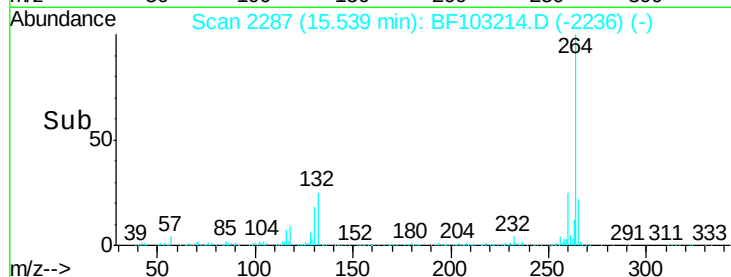
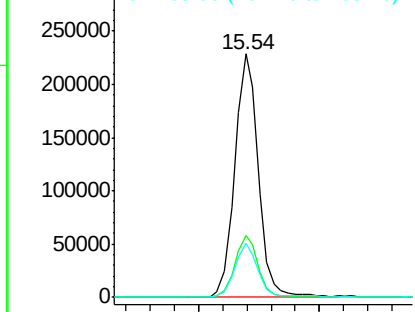


Abundance

Ion 264.00 (263.70 to 264.70): E

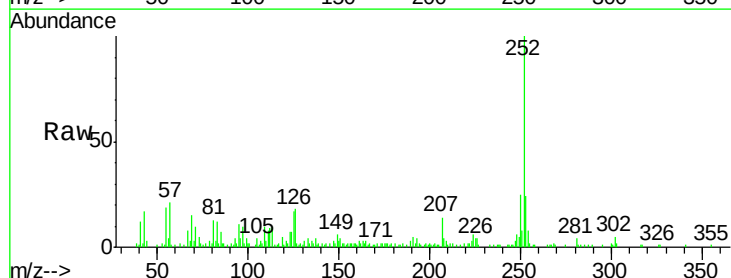
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 3.230 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF103214.D
Acq: 26 Feb 2018 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	17.3	9.0	13.6

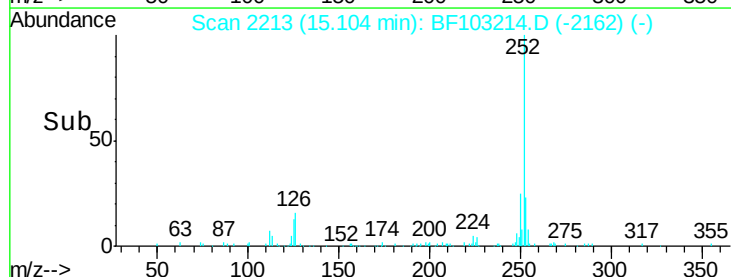
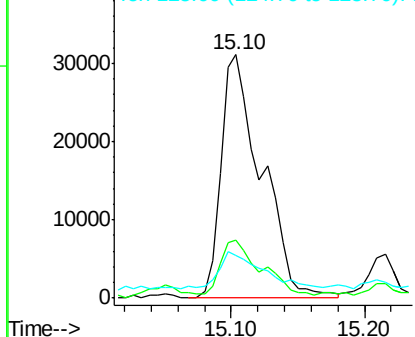


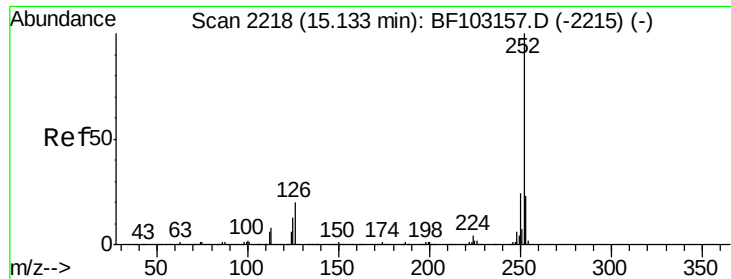
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88
 Benzo(k)fluoranthene
 Concen: 3.430 ng
 RT: 15.10 min Scan# 2213
 Delta R.T. -0.03 min
 Lab File: BF103214.D
 Acq: 26 Feb 2018 13:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	17.3	10.2	15.2

