

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103278.D
 Acq On : 27 Feb 2018 22:01
 Operator : SJ/JU
 Sample : J1702-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 00:02:59 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	6.87	152	173816	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	688355	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	240499	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	333506	20.00	ng	0.00
75) Chrysene-d12	14.06	240	258559	20.00	ng	0.00
86) Perylene-d12	15.56	264	171507	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	844875	73.52	ng	0.00
7) Phenol-d6	6.51	99	1022233	72.69	ng	0.00
23) Nitrobenzene-d5	7.44	82	657956	54.59	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	112067	55.05	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	863806	57.07	ng	0.00
78) Terphenyl-d14	12.99	244	563167	52.36	ng	0.00

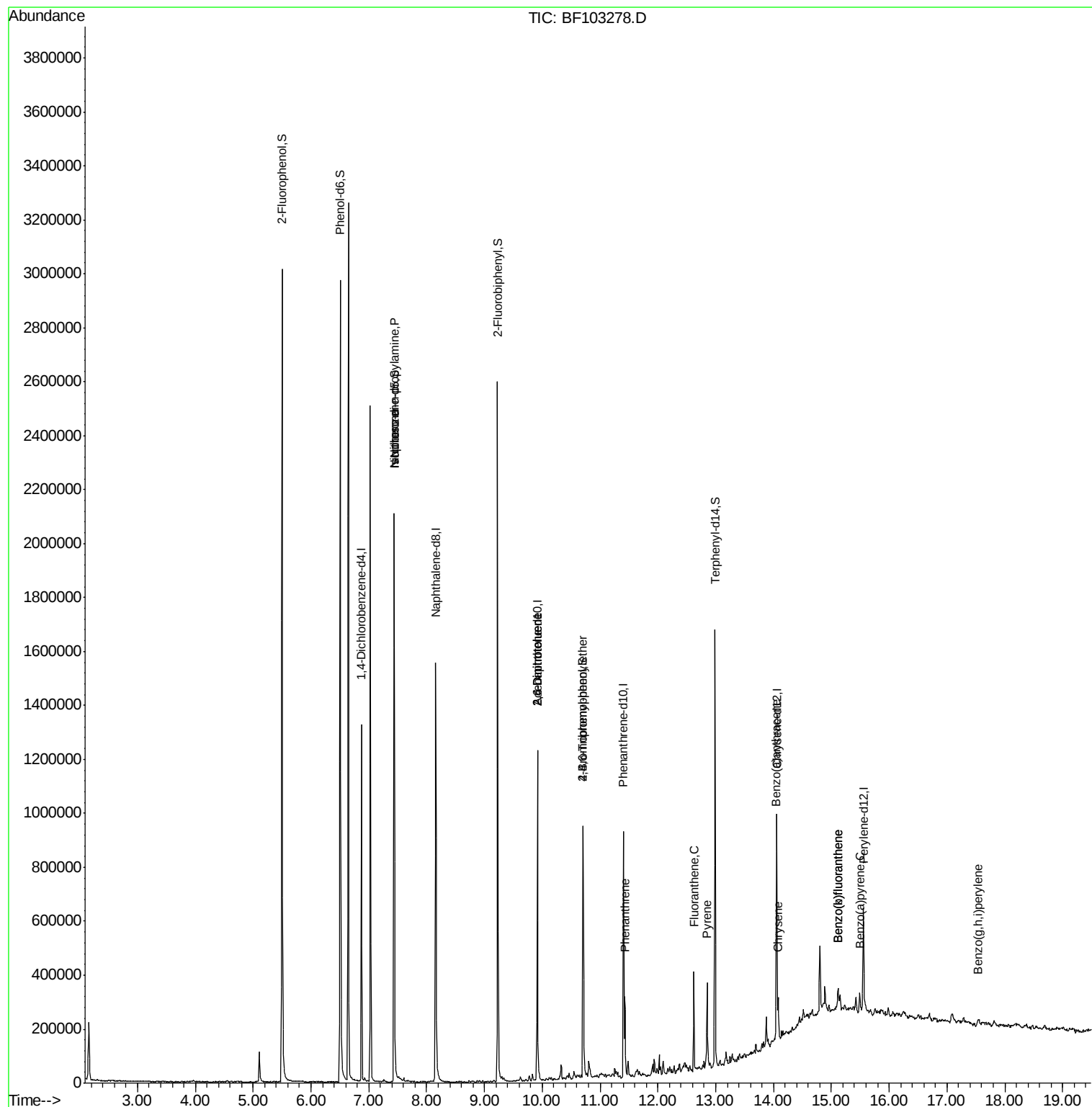
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	1809	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	89383	10.21	ng	85
25) Isophorone	7.44	82	657951	27.72	ng	64
50) 2,6-Dinitrotoluene	9.92	165	30412	7.51	ng	26
56) 2,4-Dinitrotoluene	9.92	165	30412	5.94	ng	23
66) 4-Bromophenyl-phenylether	10.71	248	7570	2.18	ng	1
70) Phenanthrene	11.43	178	102182	5.57	ng	97
74) Fluoranthene	12.62	202	137401	7.45	ng	97
77) Pyrene	12.86	202	130106	6.45	ng	98
80) Benzo(a)anthracene	14.04	228	59769	3.56	ng	95
82) Chrysene	14.08	228	52154	3.20	ng	96
87) Benzo(b)fluoranthene	15.12	252	61195	5.43	ng	# 90
88) Benzo(k)fluoranthene	15.12	252	61195	5.76	ng	# 93
89) Benzo(a)pyrene	15.49	252	30058	2.98	ng	# 87
91) Benzo(a,h,i)perylene	17.54	276	19505	2.56	ng	# 90

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

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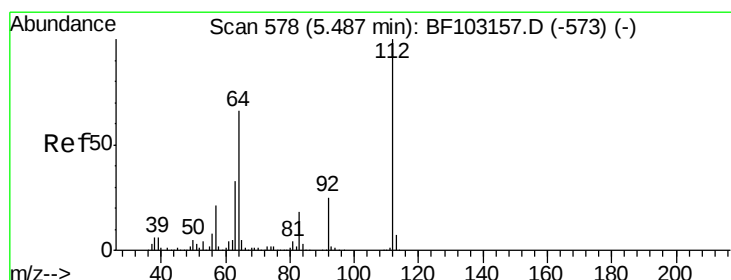
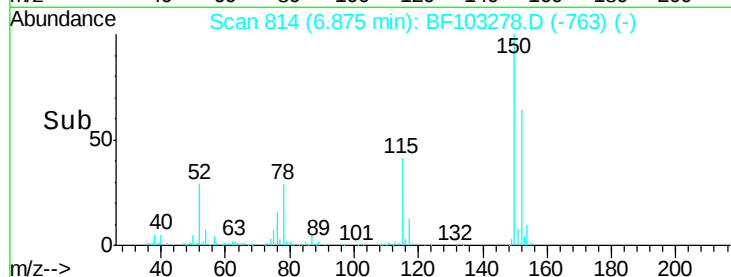
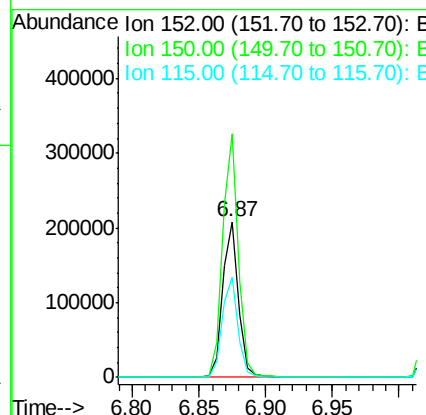
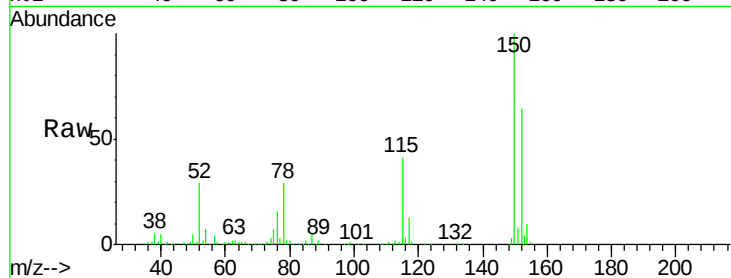


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Instrument :
BNA_F
ClientSampleId :

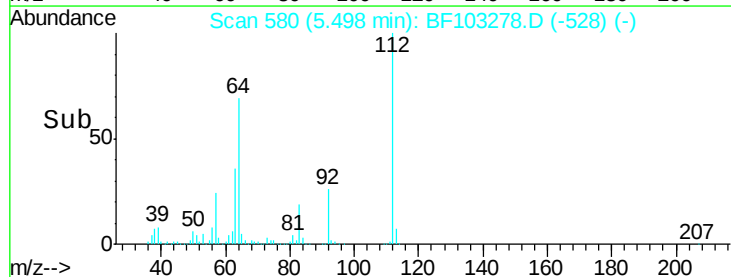
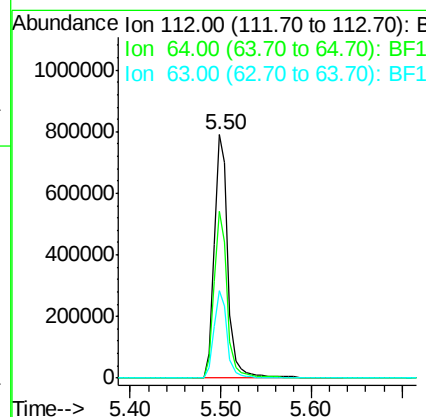
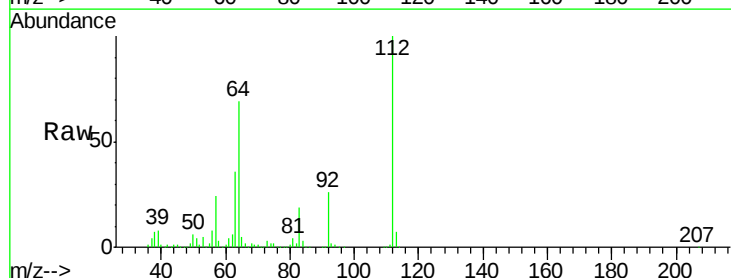
Tot Ion:152 Resp: 173816
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 64.2 50.1 75.1

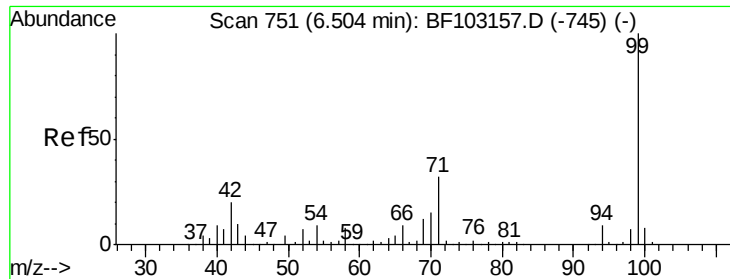


#5

2-Fluorophenol
Concen: 73.52 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion:112 Resp: 844875
Ion Ratio Lower Upper
112 100
64 68.5 47.9 71.9
63 36.1 23.7 35.5#





#7

Phenol-d6

Concen: 72.69 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Instrument :

BNA_F

ClientSampleId :

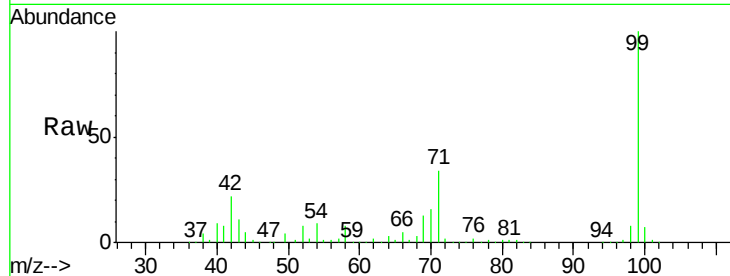
Tot Ion: 99 Resp: 1022233

Ion Ratio Lower Upper

99 100

42 21.6 14.5 21.7

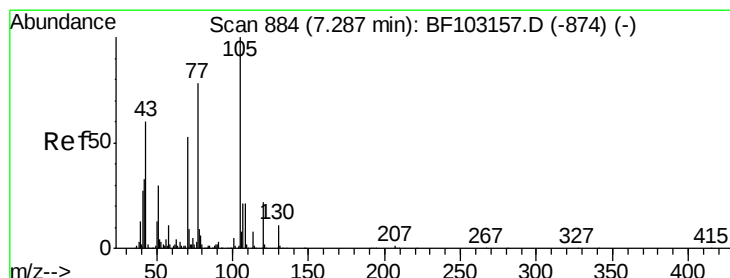
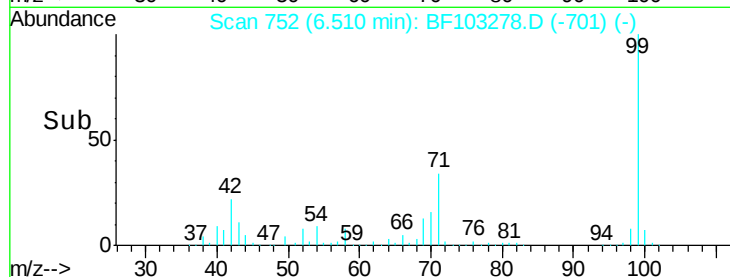
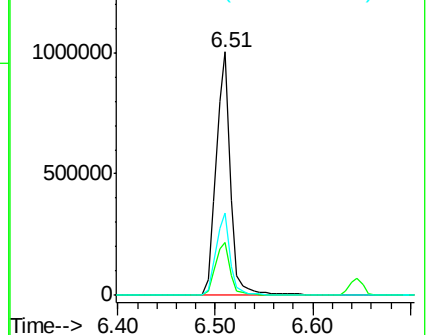
71 33.6 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.21 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Tgt Ion: 70 Resp: 89383

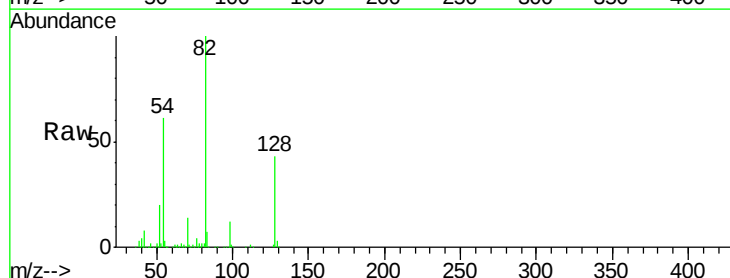
Ion Ratio Lower Upper

70 100

42 56.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

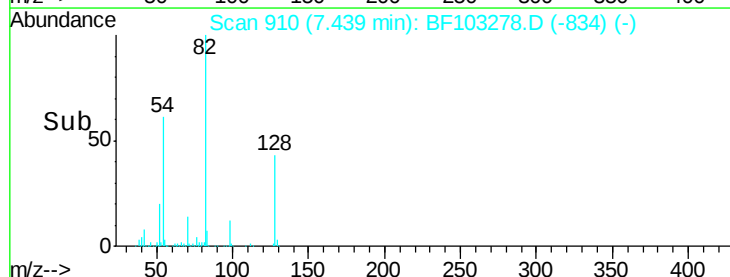
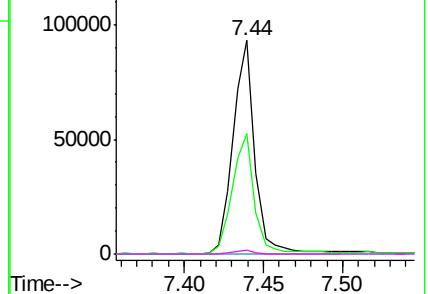


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

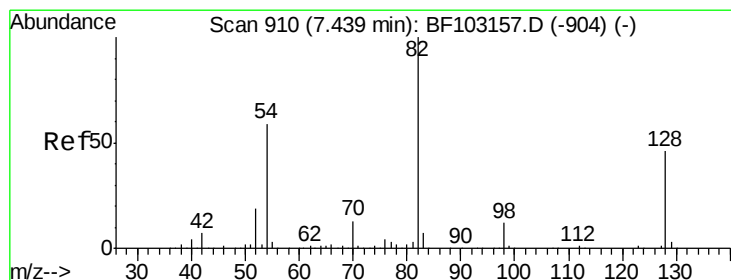
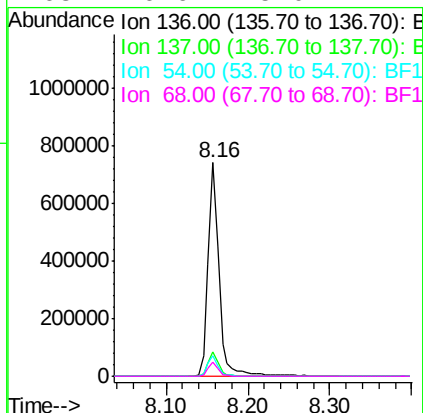
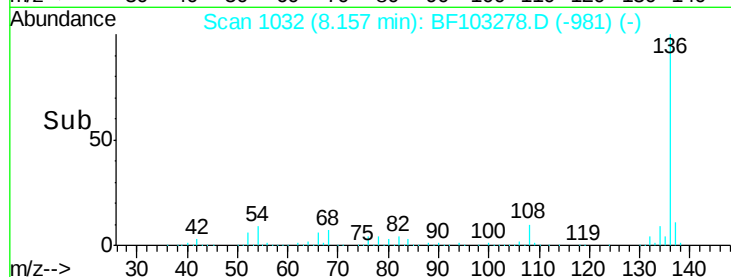
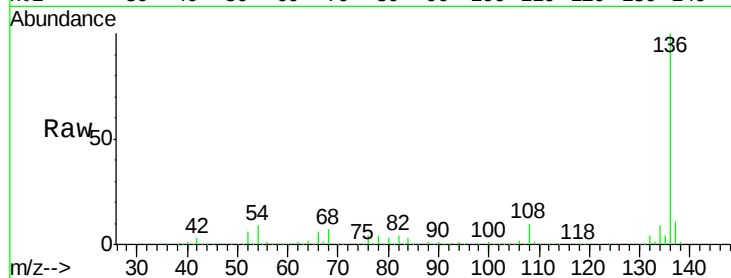




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

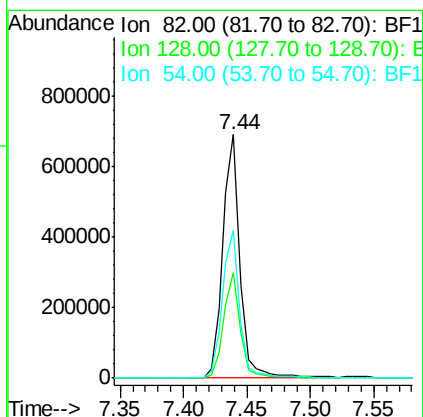
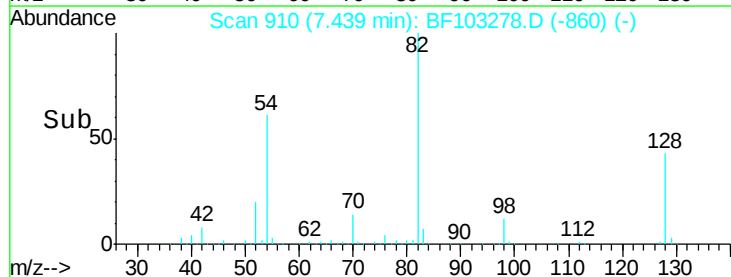
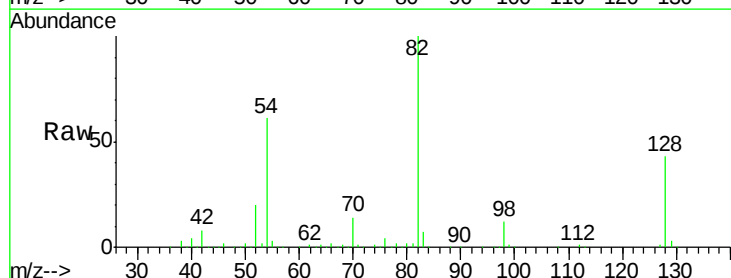
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	688355
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	9.5	6.6 9.8
68	6.6	5.0 7.4



#23
Nitrobenzene-d5
Concen: 54.59 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion: 82	Resp:	657956
Ion Ratio	Lower	Upper
82	100	
128	43.2	36.1 54.1
54	60.8	41.4 62.2





#25

Isophorone

Concen: 27.72 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Instrument :

BNA_F

ClientSampleId :

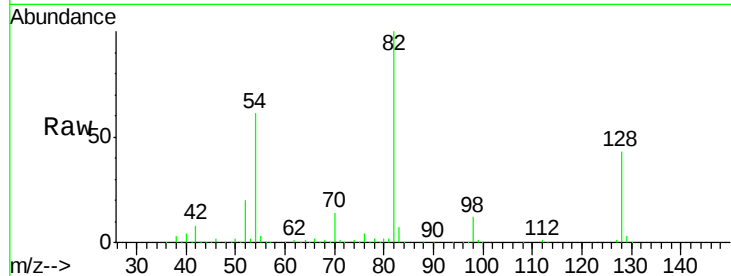
Tot Ion: 82 Resp: 657951

Ion Ratio Lower Upper

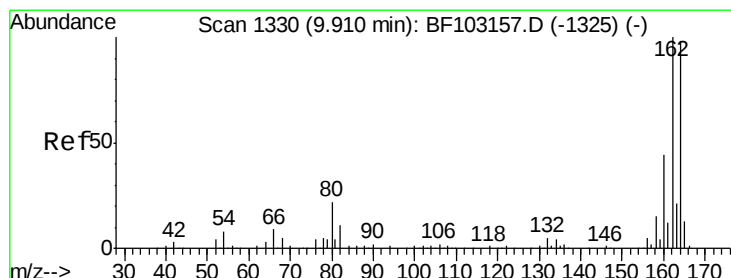
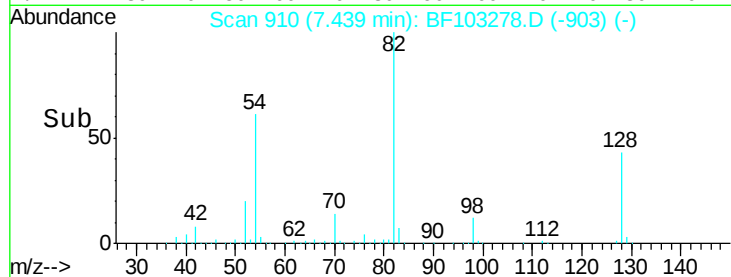
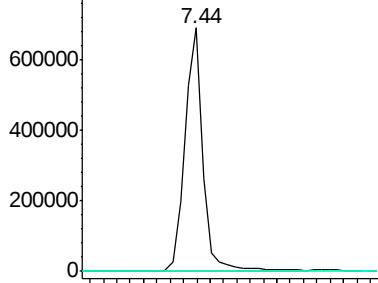
82 100

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: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

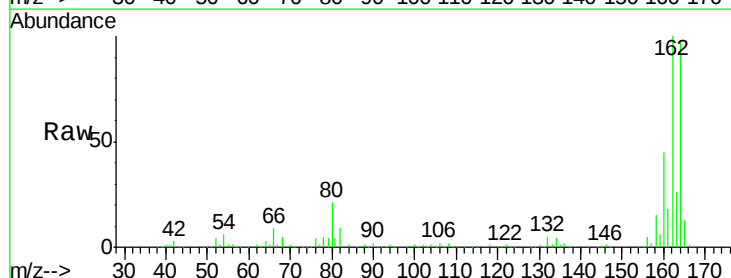
Tgt Ion:164 Resp: 240499

Ion Ratio Lower Upper

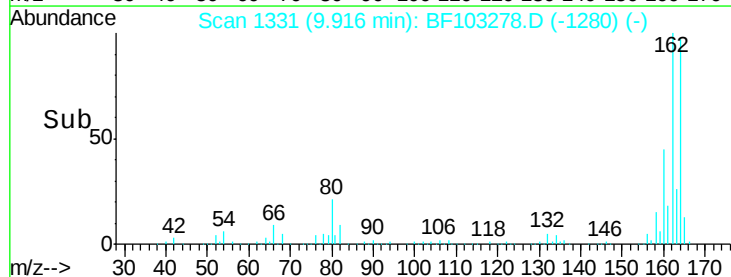
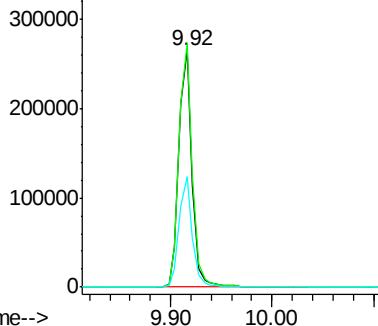
164 100

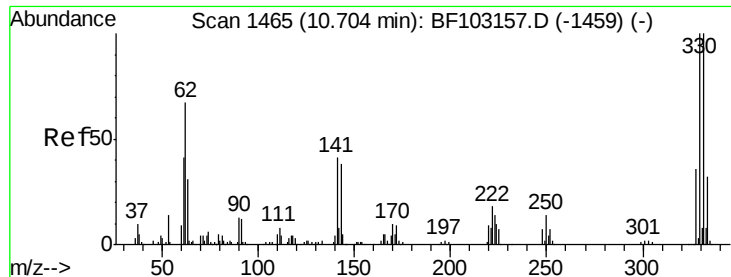
162 102.8 86.1 129.1

160 46.6 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

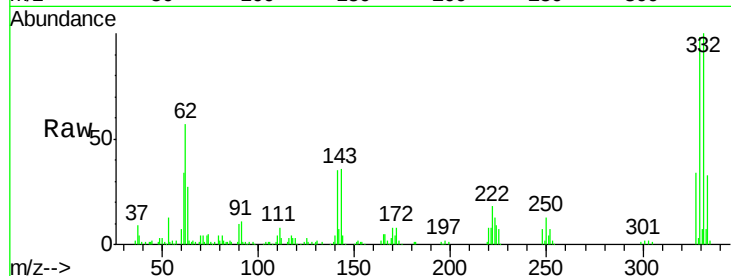




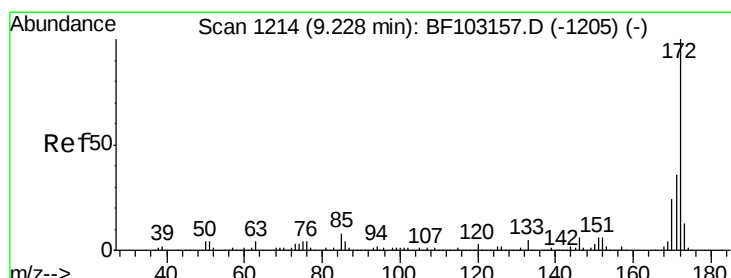
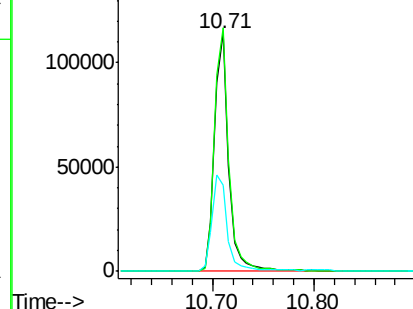
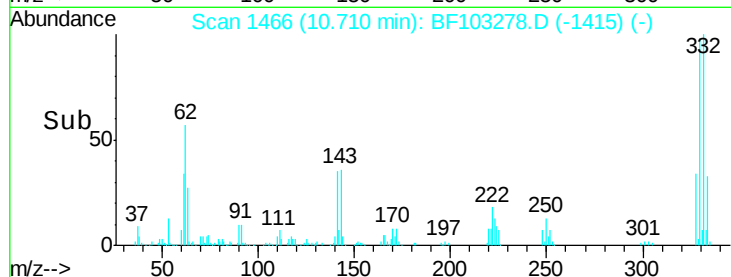
#41
 2,4,6-Tribromophenol
 Concen: 55.05 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103278.D
 Acq: 27 Feb 2018 22:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.1	77.0	115.6
141	44.2	29.9	44.9

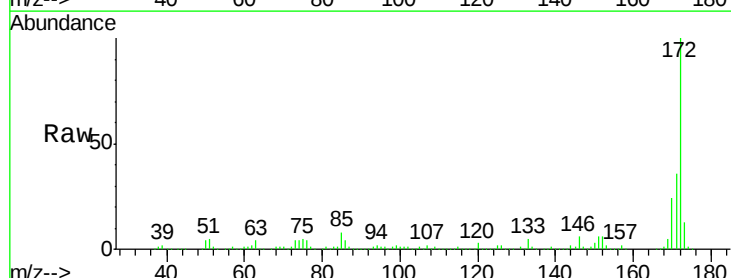


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

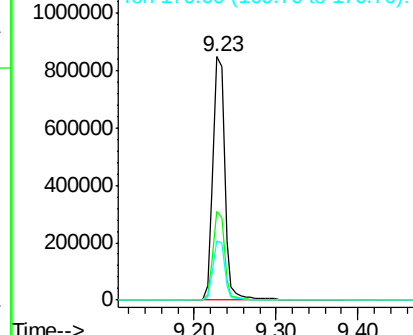
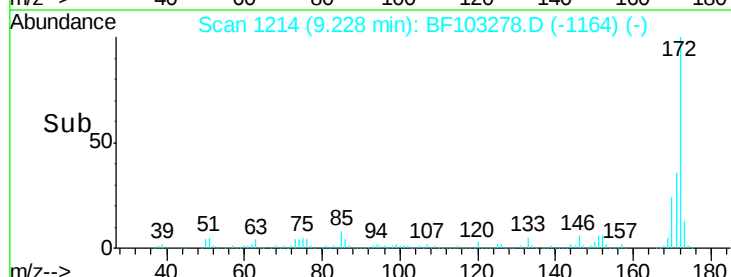


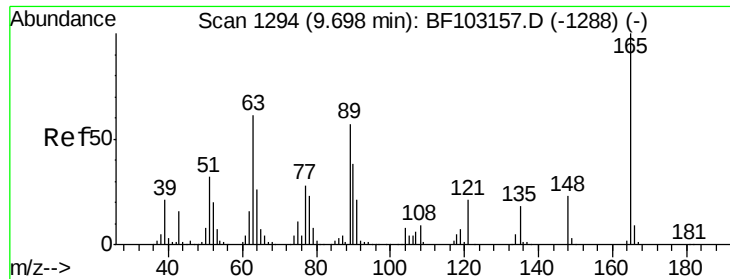
#44
 2-Fluorobiphenyl
 Concen: 57.07 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103278.D
 Acq: 27 Feb 2018 22:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.3	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

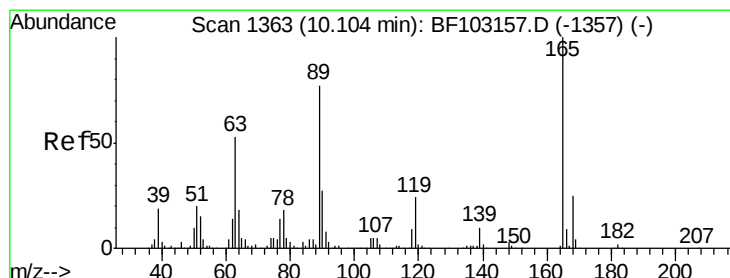
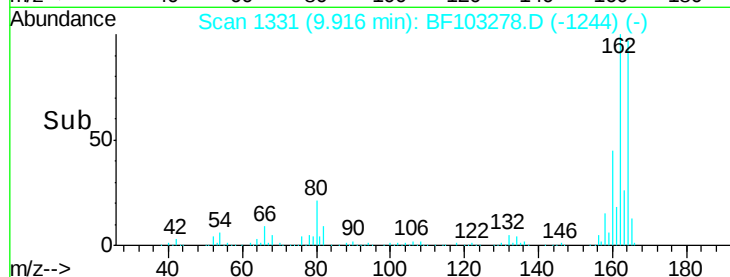
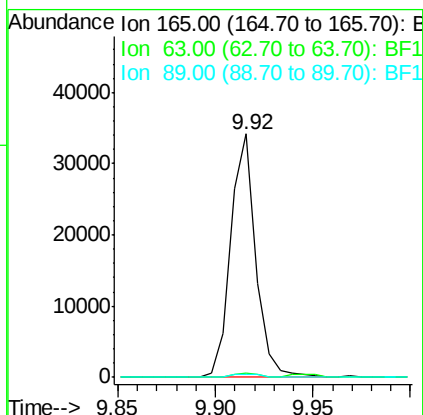
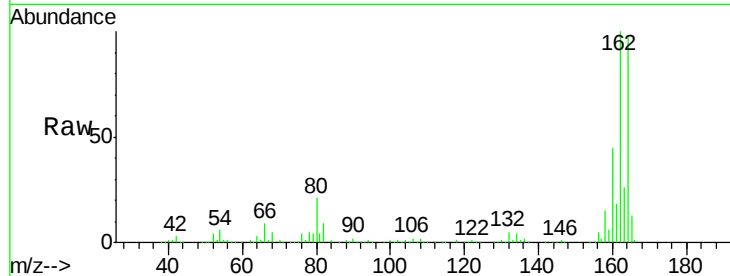




#50
 2,6-Dinitrotoluene
 Concen: 7.51 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103278.D
 Acq: 27 Feb 2018 22:01

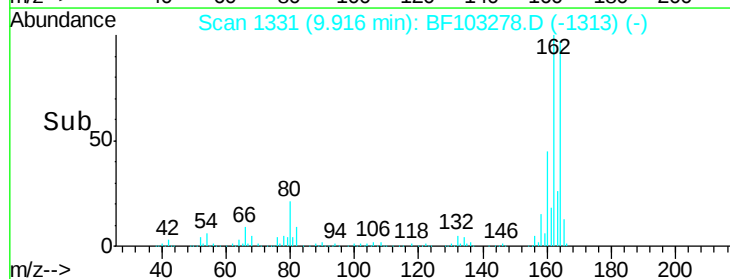
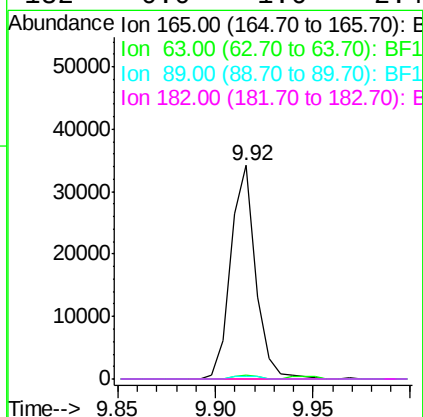
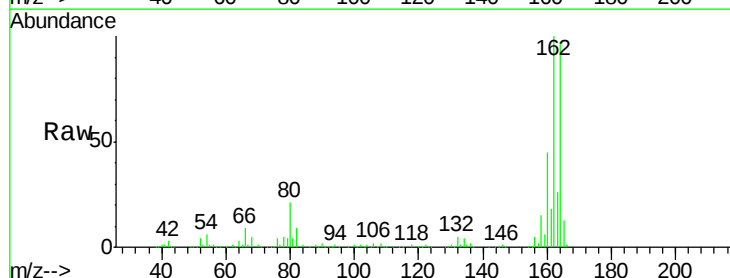
Instrument :
 BNA_F
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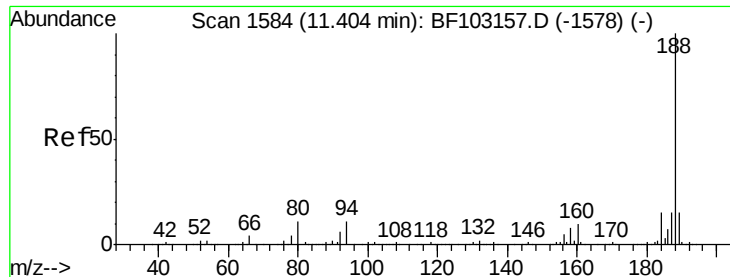
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.94 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103278.D
 Acq: 27 Feb 2018 22:01

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

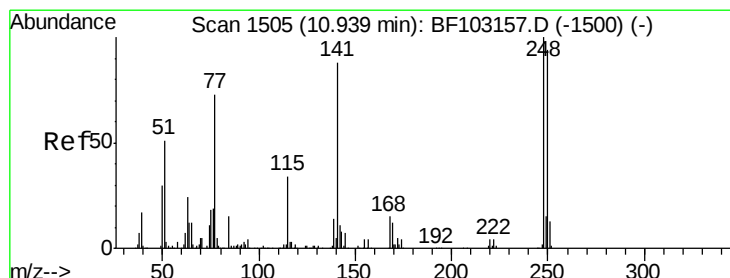
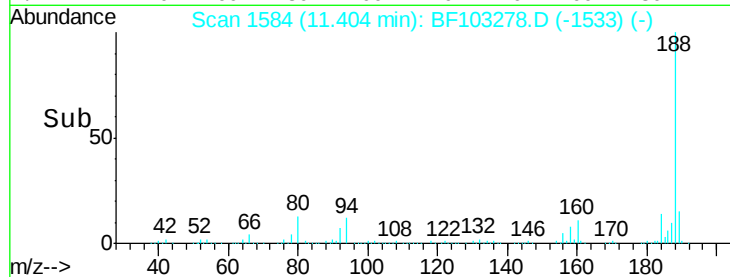
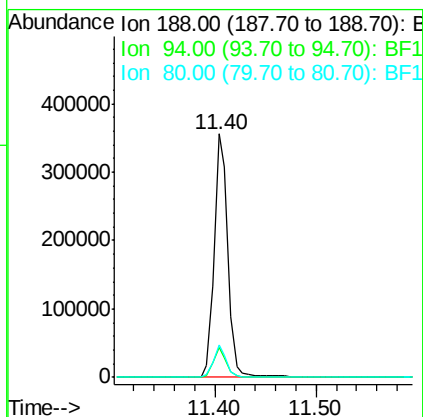
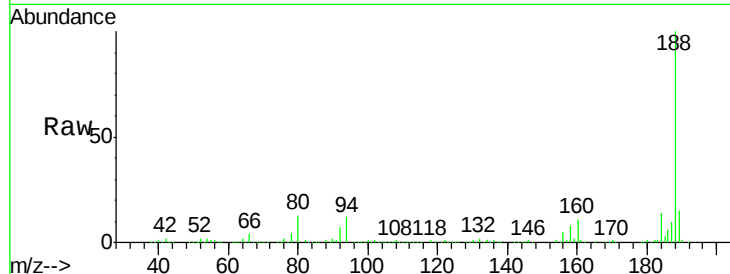




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

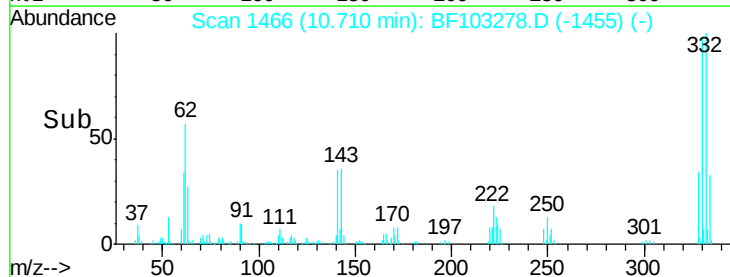
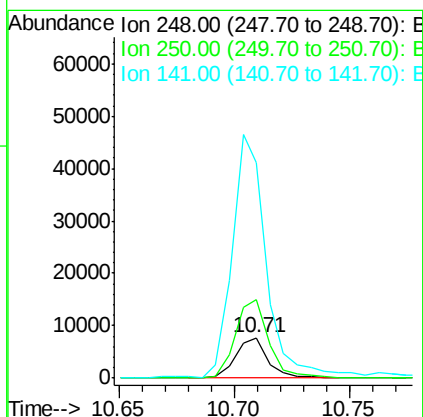
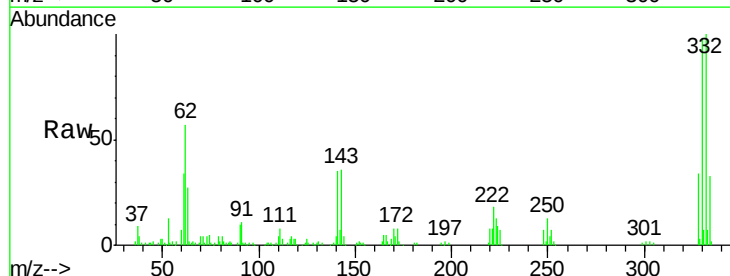
Instrument :
BNA_F
ClientSampleId :

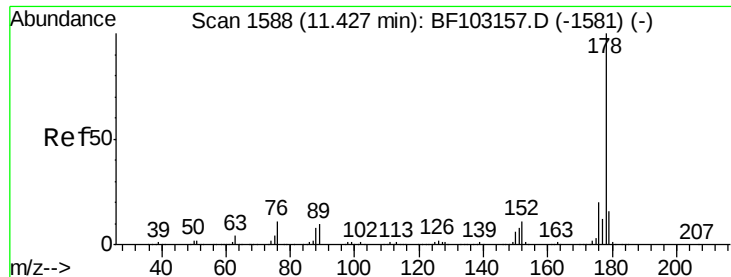
Tot Ion:188 Resp: 333506
Ion Ratio Lower Upper
188 100
94 12.0 8.5 12.7
80 13.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.18 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion:248 Resp: 7570
Ion Ratio Lower Upper
248 100
250 194.2 76.9 115.3#
141 530.5 74.4 111.6#





#70

Phenanthrene

Concen: 5.57 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

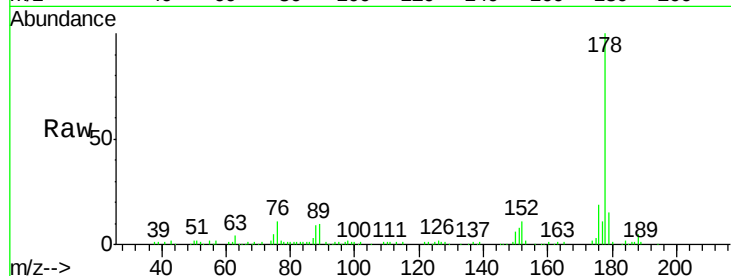
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 102182

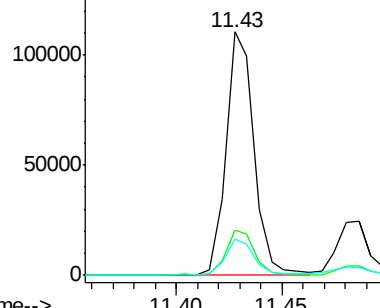
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.1	13.0	19.6



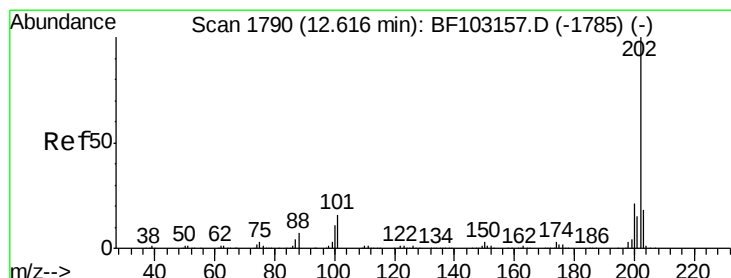
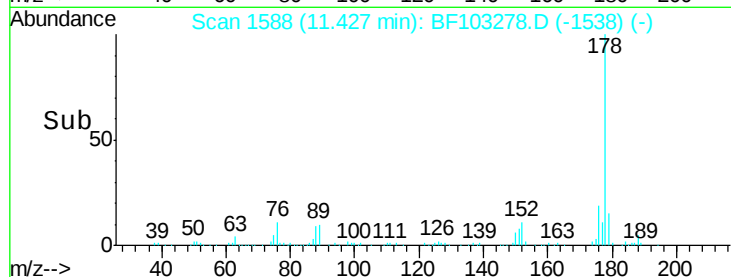
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 7.45 ng

RT: 12.62 min Scan# 1791

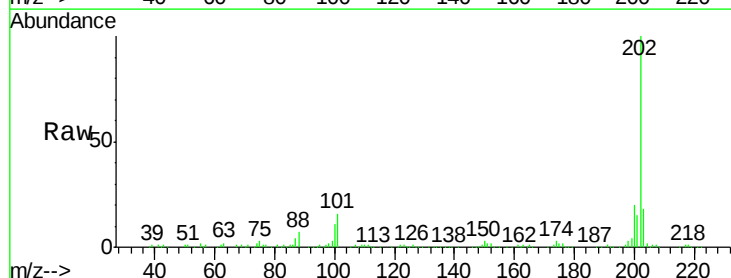
Delta R.T. -0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Tgt Ion:202 Resp: 137401

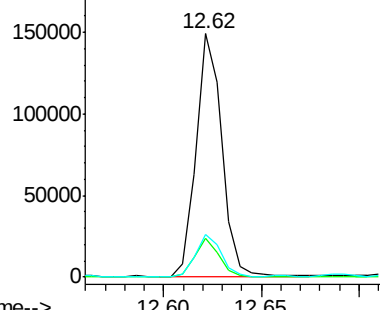
Ion	Ratio	Lower	Upper
202	100		
101	16.0	0.0	34.1
203	17.7	0.0	38.1



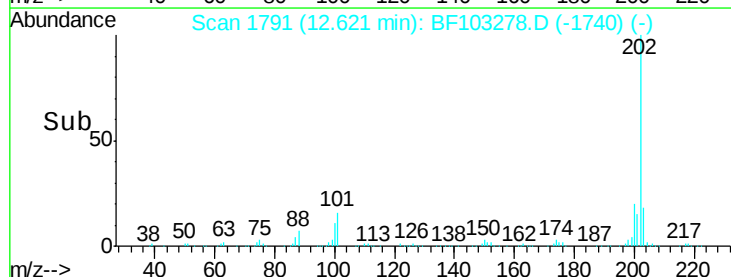
Abundance Ion 202.00 (201.70 to 202.70): E

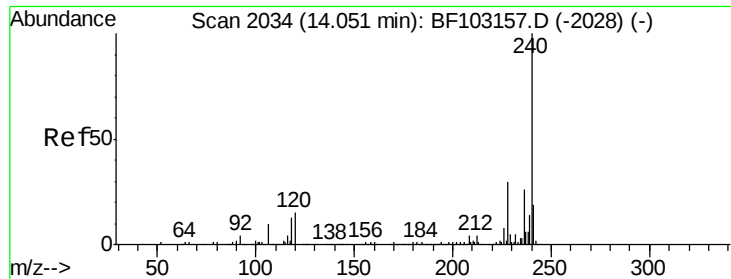
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Instrument :

BNA_F

ClientSampleId :

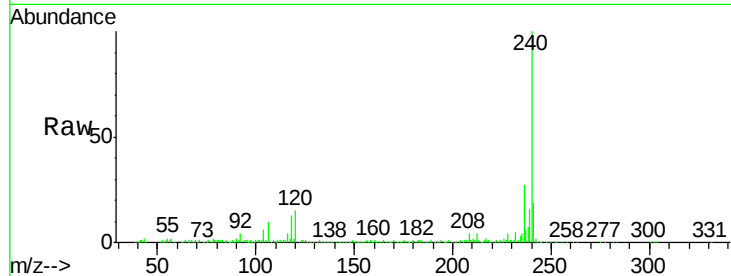
Tot Ion:240 Resp: 258559

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

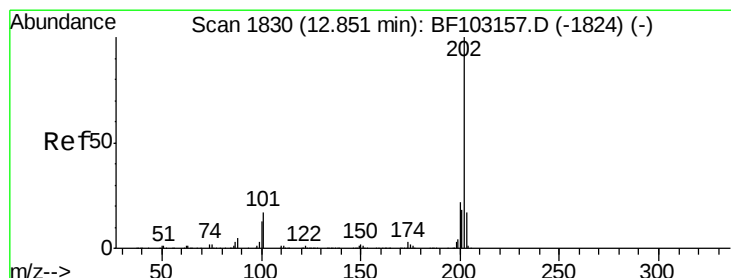
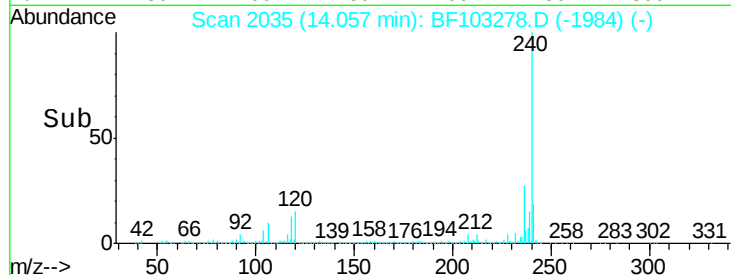
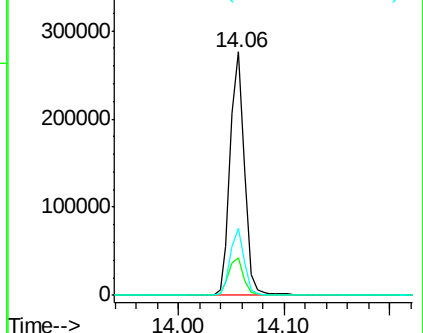
236 27.4 20.7 31.1



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: 6.45 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

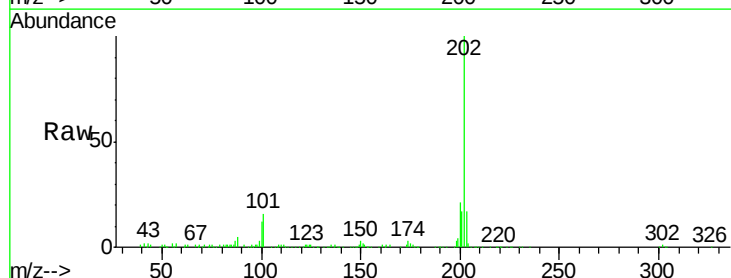
Tgt Ion:202 Resp: 130106

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

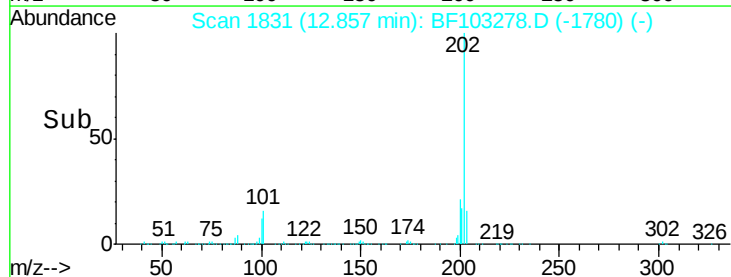
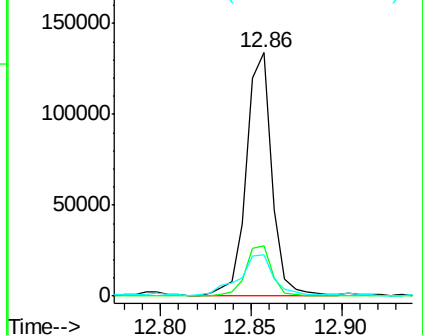
203 16.9 14.3 21.5

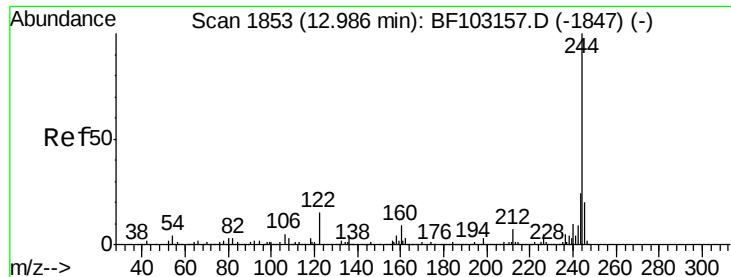


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.36 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

Instrument :

BNA_F

ClientSampleId :

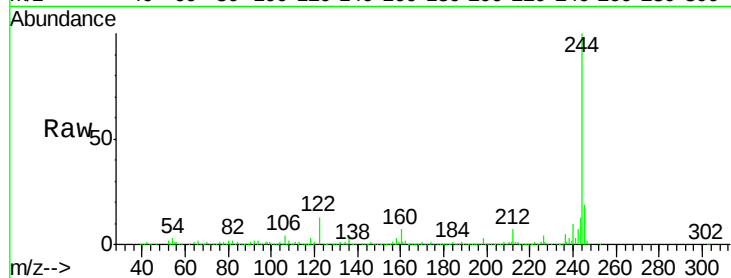
Tot Ion:244 Resp: 563167

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

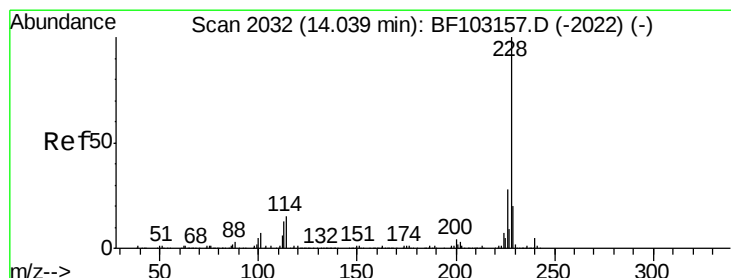
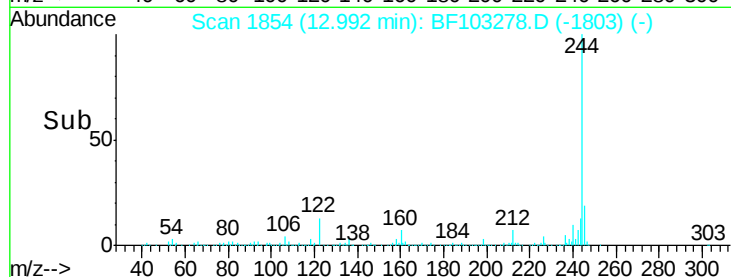
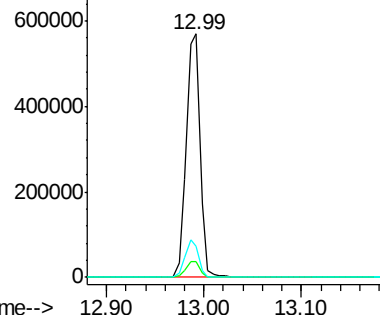
122 12.9 11.0 16.4



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: 3.56 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

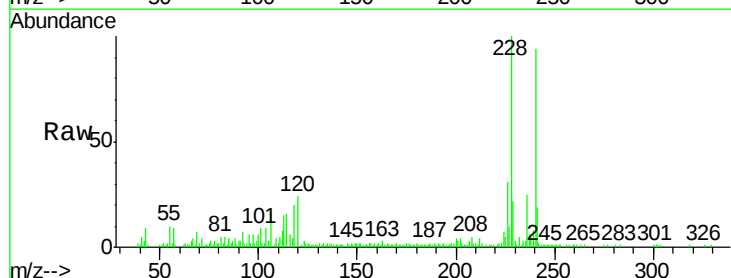
Tgt Ion:228 Resp: 59769

Ion Ratio Lower Upper

228 100

226 30.6 22.6 33.8

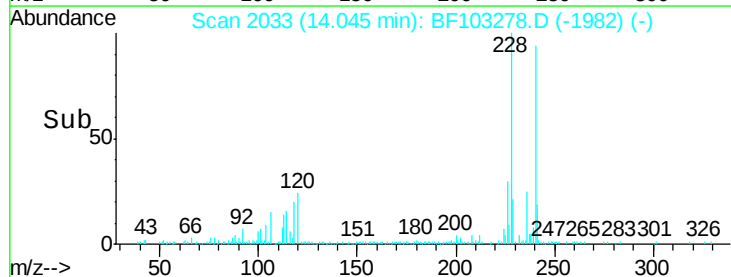
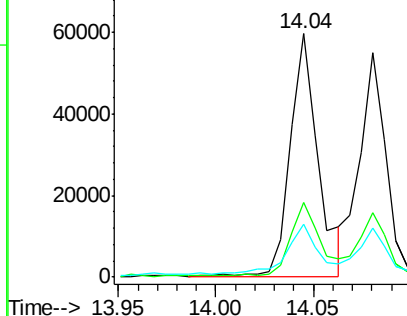
229 21.7 15.8 23.6

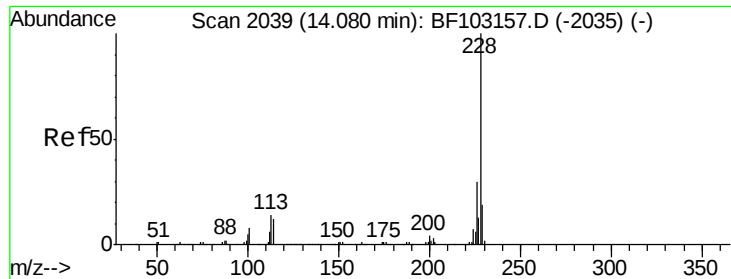


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

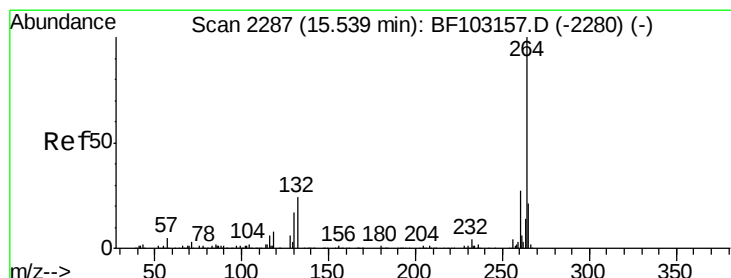
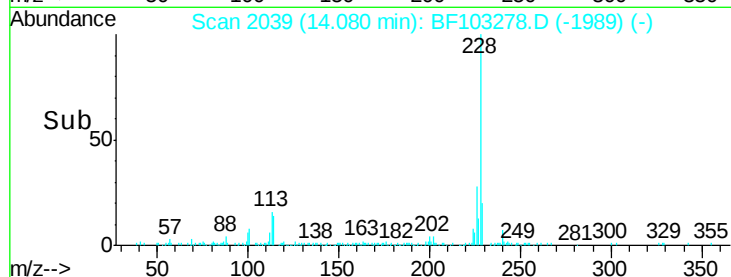
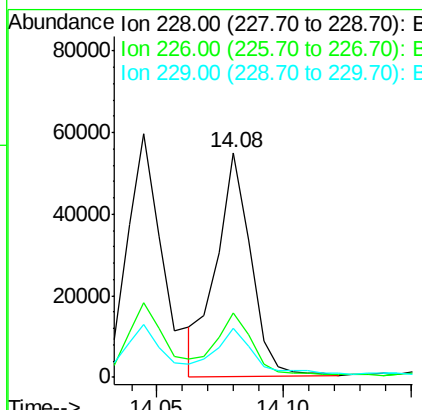
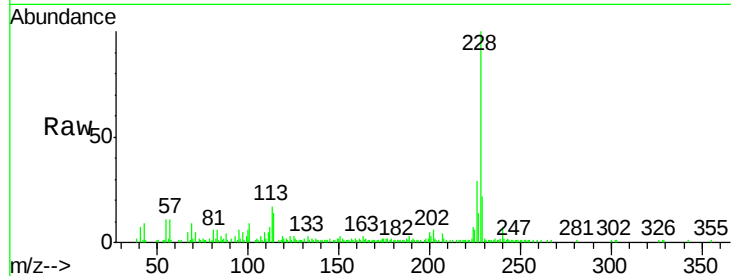




#82
Chrysene
Concen: 3.20 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

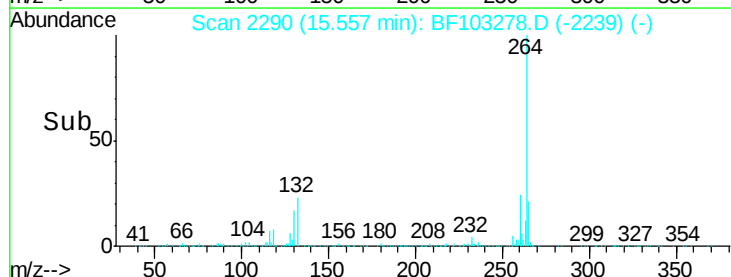
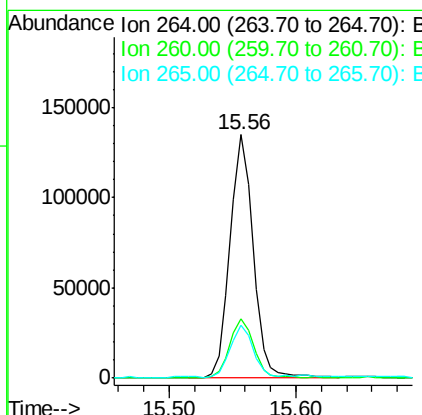
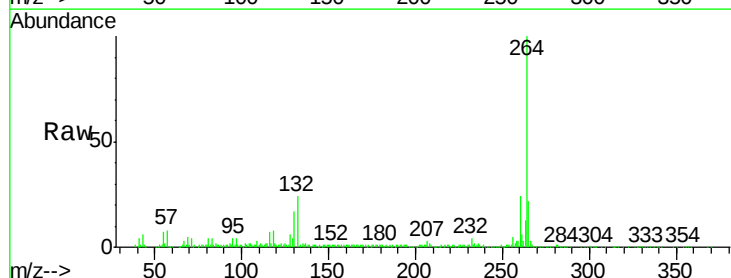
Instrument :
BNA_F
ClientSampleId :

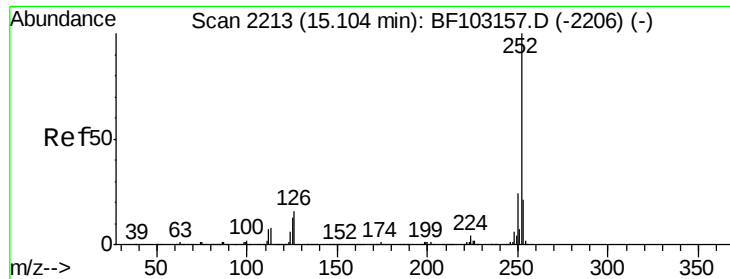
Tot Ion:228 Resp: 52154
Ion Ratio Lower Upper
228 100
226 29.0 25.0 37.6
229 22.0 16.2 24.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion:264 Resp: 171507
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 5.43 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BF103278.D

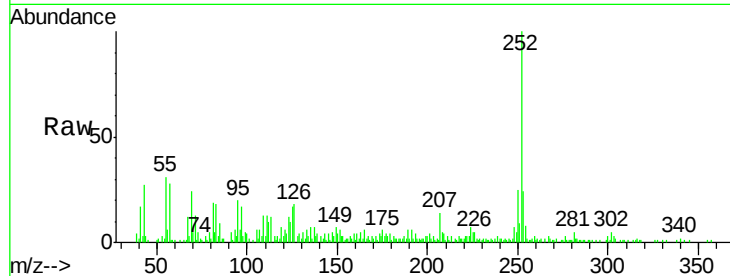
Acq: 27 Feb 2018 22:01

Instrument :

BNA_F

ClientSampleId :

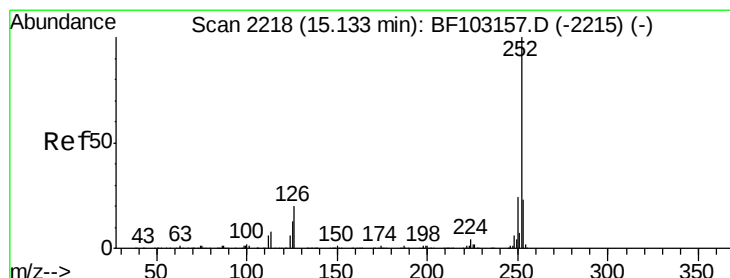
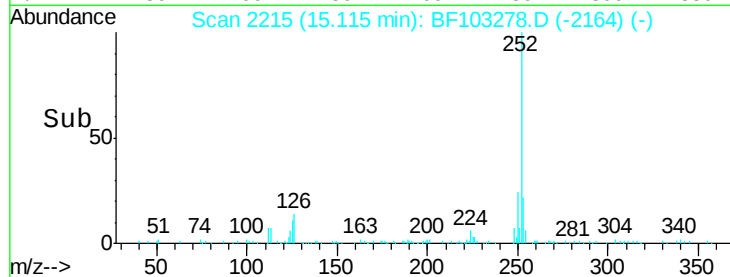
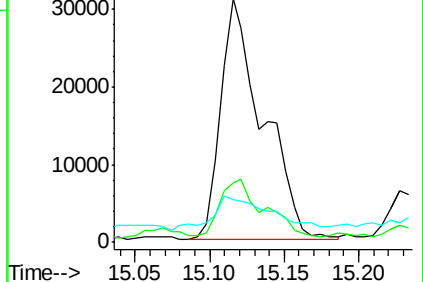
Tot Ion:252	Resp:	61195
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.0 25.6
125	17.4	9.0 13.6#



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: 5.76 ng

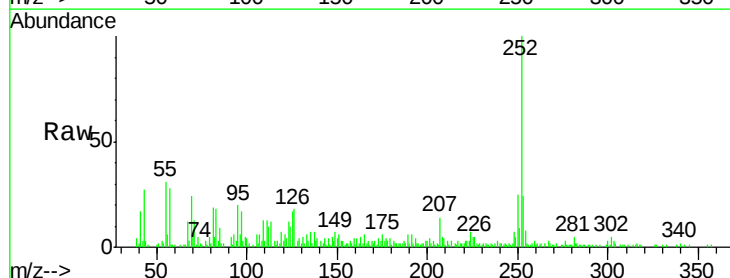
RT: 15.12 min Scan# 2215

Delta R.T. -0.04 min

Lab File: BF103278.D

Acq: 27 Feb 2018 22:01

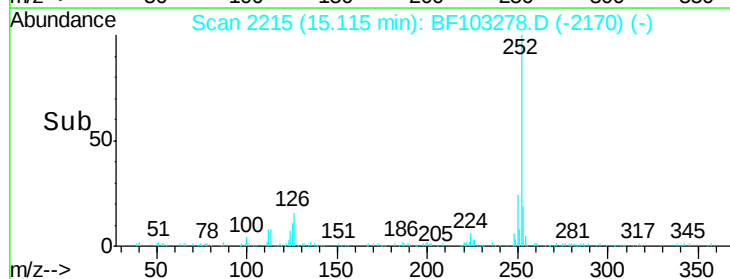
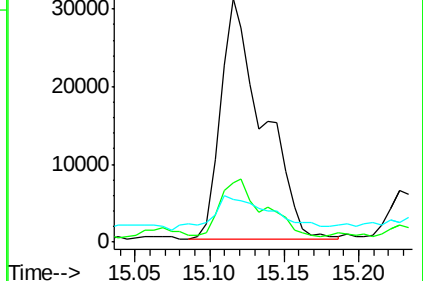
Tgt Ion:252	Resp:	61195
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.9 26.9
125	17.4	10.2 15.2#

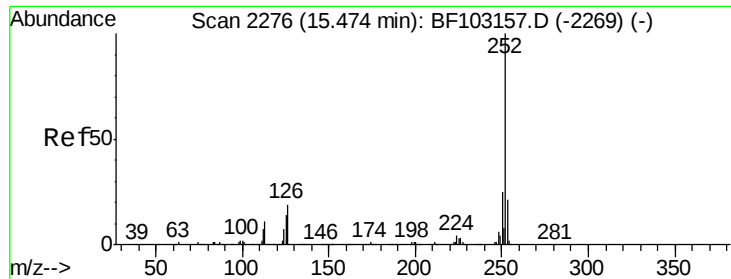


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

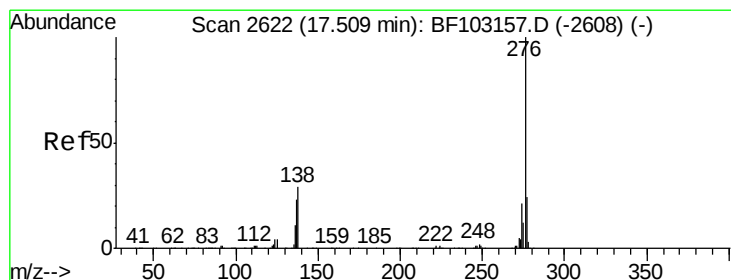
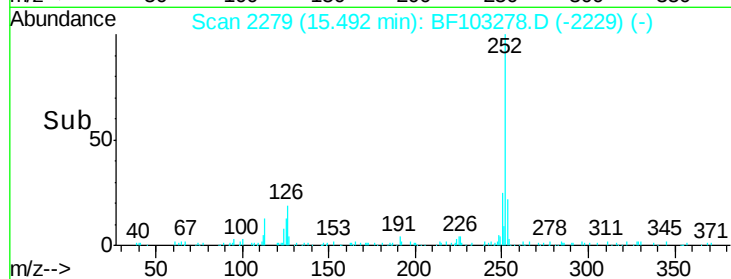
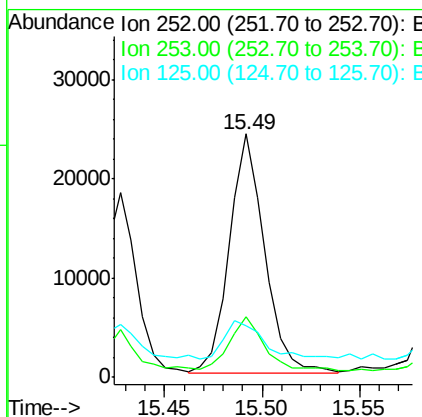
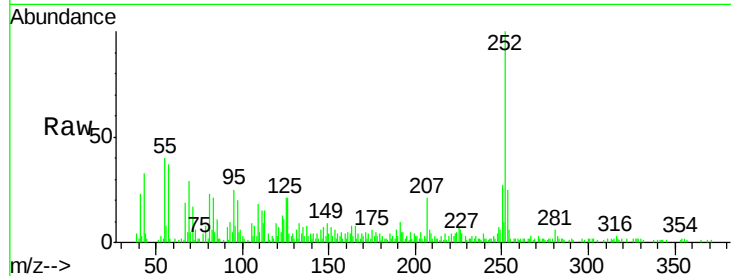




#89
Benzo(a)pyrene
Concen: 2.98 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	21.1	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.56 ng
RT: 17.54 min Scan# 2628
Delta R.T. 0.01 min
Lab File: BF103278.D
Acq: 27 Feb 2018 22:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	34.3	21.8	32.8

