

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103228.D
 Acq On : 26 Feb 2018 20:11
 Operator : SJ/JU
 Sample : J1691-29 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 00:06:54 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	170638	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	704318	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	297913	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	438929	20.00	ng	0.00
75) Chrysene-d12	14.05	240	296098	20.00	ng	0.00
86) Perylene-d12	15.55	264	218428	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	502713	44.56	ng	0.00
7) Phenol-d6	6.50	99	603612	43.72	ng	0.00
23) Nitrobenzene-d5	7.43	82	361549	29.32	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	97405	38.63	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	597623	28.65	ng	0.00
78) Terphenyl-d14	12.98	244	391177	31.76	ng	0.00

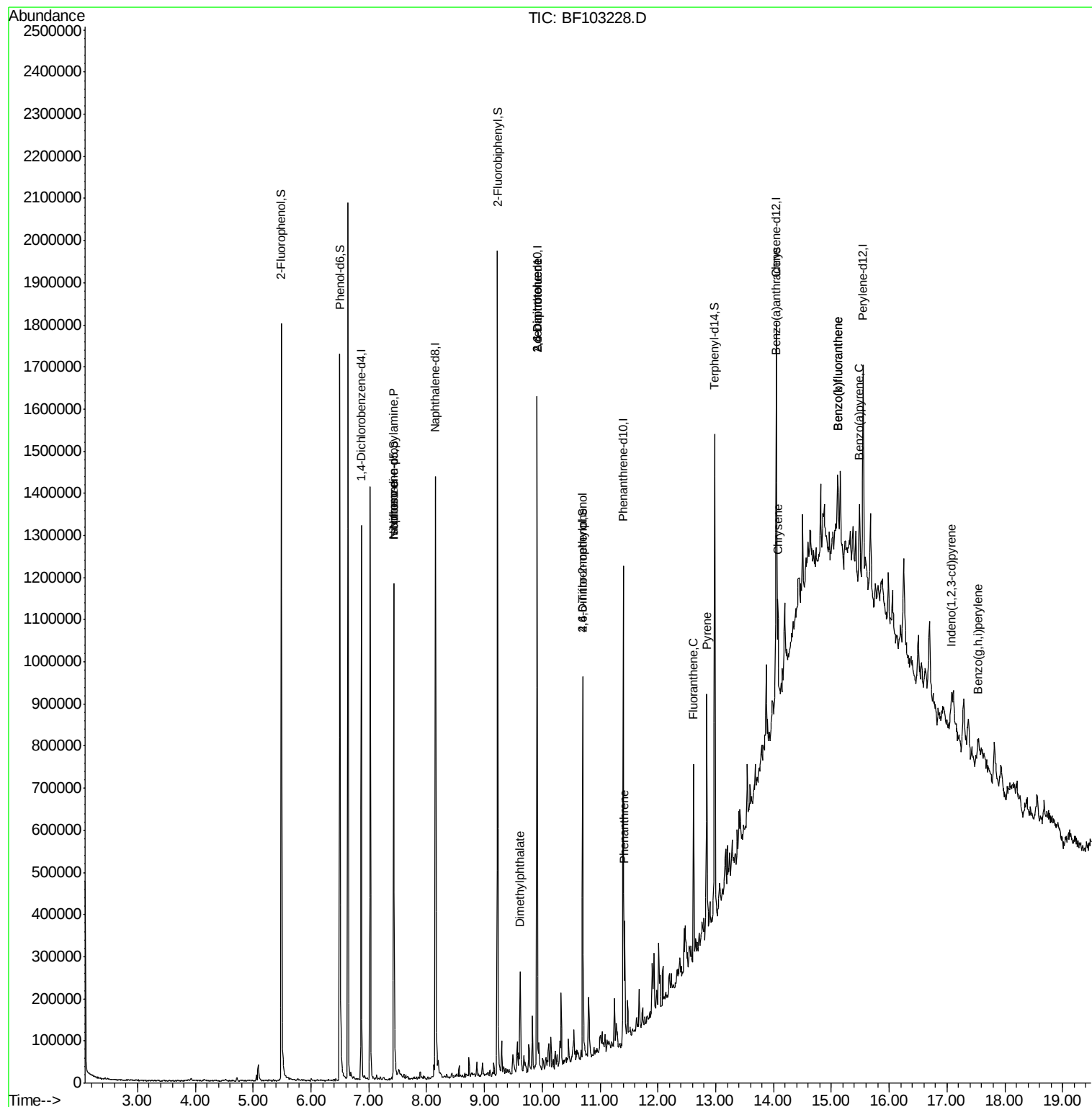
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1141	Below Cal		85
19) n-Nitroso-di-n-propylamine	7.43	70	48297	5.62 ng	#	83
25) Isophorone	7.43	82	361546	14.88 ng	#	64
49) Dimethylphthalate	9.62	163	84736	3.55 ng		99
50) 2,6-Dinitrotoluene	9.91	165	38757	7.73 ng	#	25
56) 2,4-Dinitrotoluene	9.91	165	38757	6.11 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.70	198	137	4.99 ng	#	1
70) Phenanthrene	11.42	178	108063	4.47 ng		98
74) Fluoranthene	12.62	202	166002	6.84 ng		97
77) Pyrene	12.85	202	194445	8.42 ng		99
80) Benzo(a)anthracene	14.04	228	103682	5.40 ng	#	94
82) Chrysene	14.07	228	101049	5.42 ng		96
85) Indeno(1,2,3-cd)pyrene	17.07	276	35323	2.39 ng		96
87) Benzo(b)fluoranthene	15.11	252	124464	8.67 ng	#	69
88) Benzo(k)fluoranthene	15.11	252	124464	9.20 ng	#	73
89) Benzo(a)pyrene	15.49	252	58250	4.54 ng	#	74
91) Benzo(a,h,i)perylene	17.53	276	37312	3.85 ng	#	79

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

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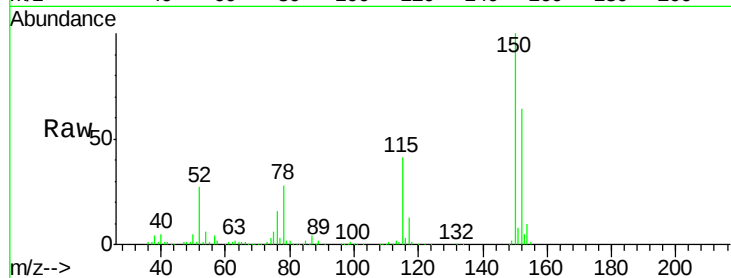


#1

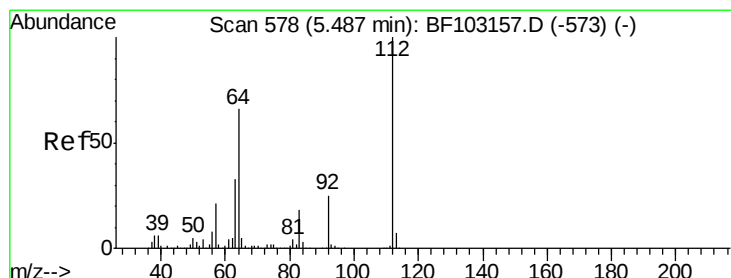
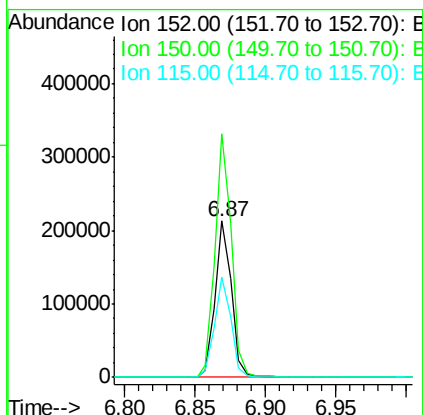
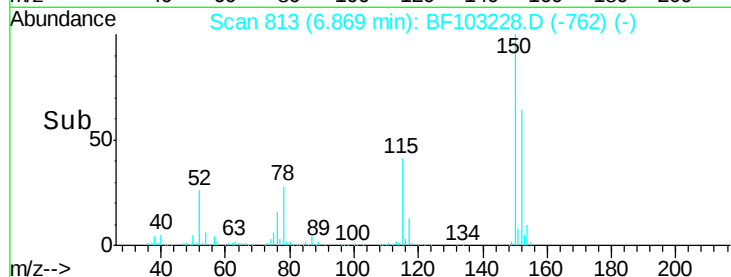
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 170638
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 63.9 50.1 75.1



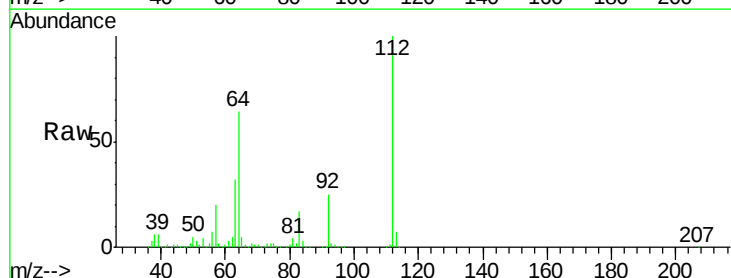
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



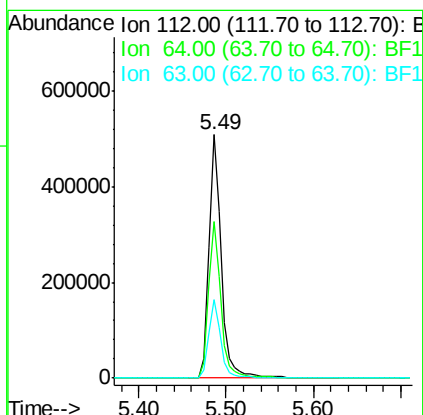
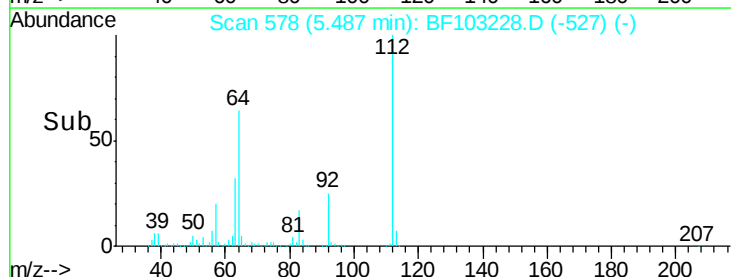
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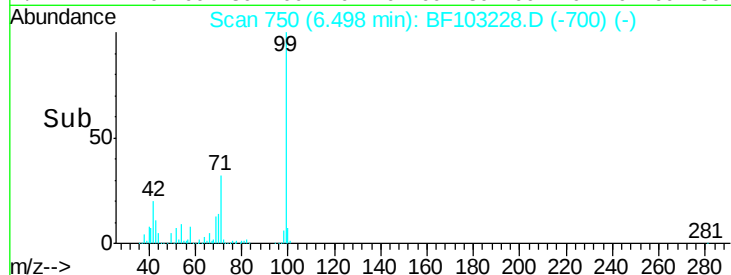
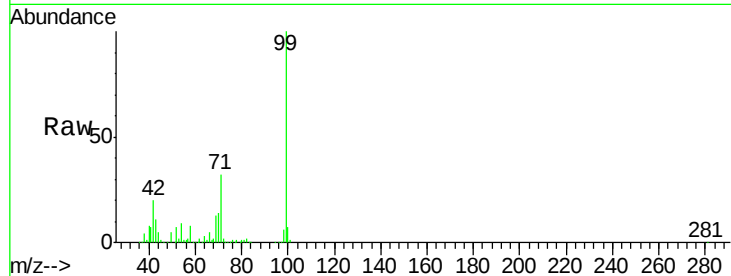
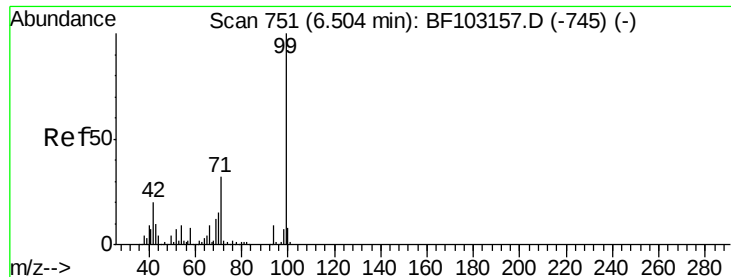
2-Fluorophenol
Concen: 44.56 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:112 Resp: 502713
Ion Ratio Lower Upper
112 100
64 64.2 47.9 71.9
63 32.5 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: 43.72 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

Instrument :

BNA_F

ClientSampleId :

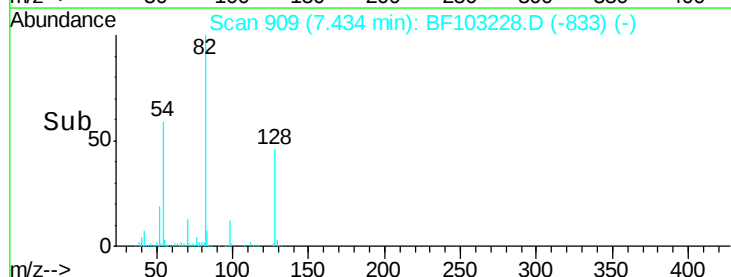
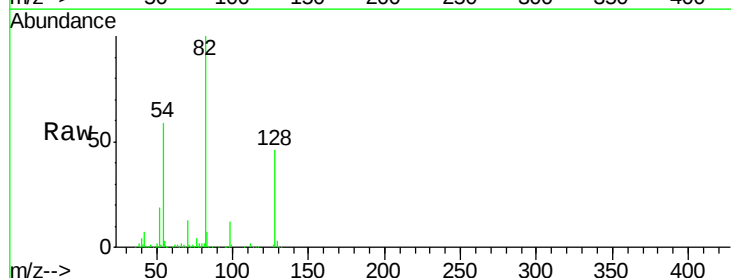
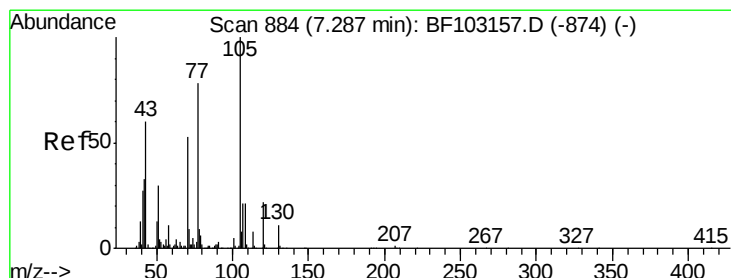
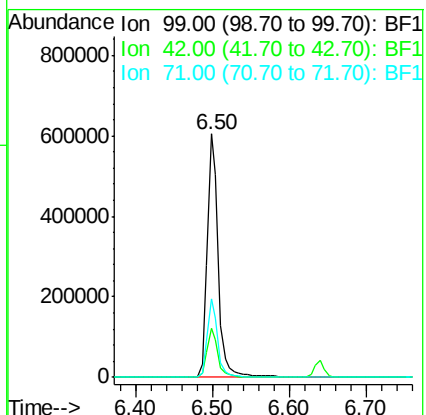
Tot Ion: 99 Resp: 603612

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 32.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.62 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

Tgt Ion: 70 Resp: 48297

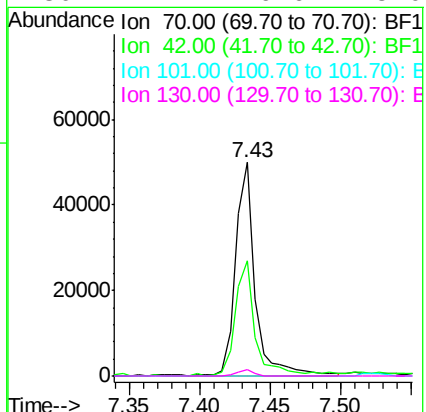
Ion Ratio Lower Upper

70 100

42 53.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

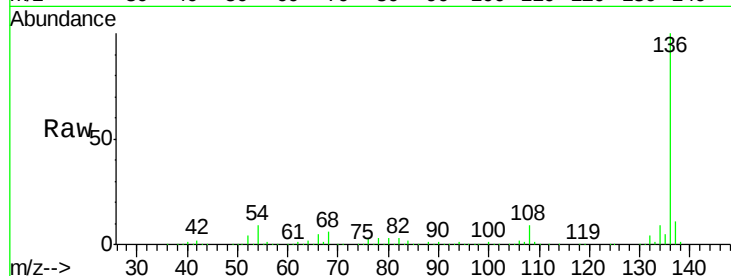




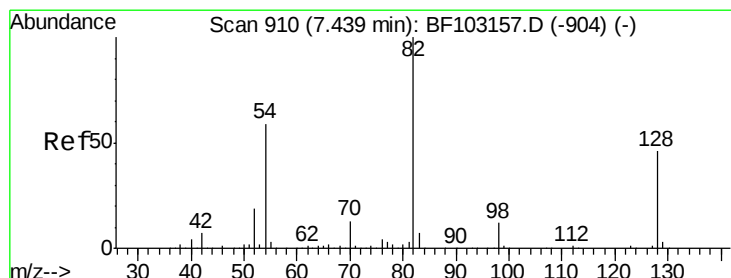
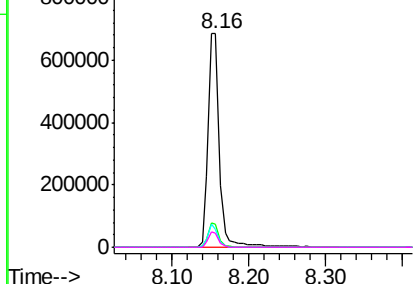
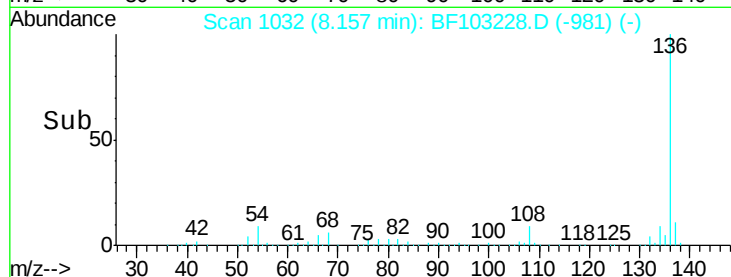
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	704318
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	8.6	6.6 9.8
68	6.4	5.0 7.4

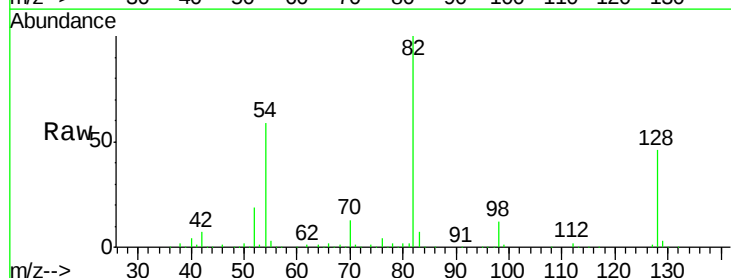


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

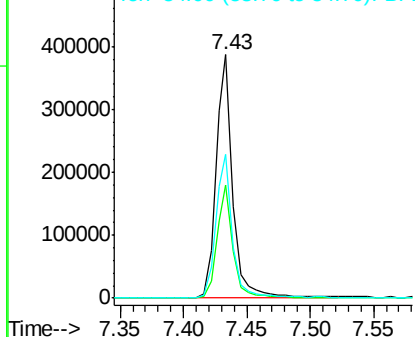
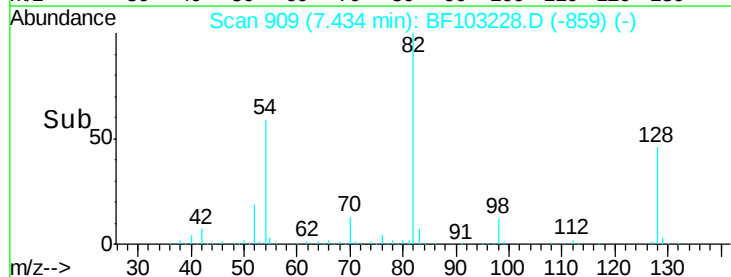


#23
Nitrobenzene-d5
Concen: 29.32 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion: 82	Resp:	361549
Ion Ratio	Lower	Upper
82	100	
128	46.4	36.1 54.1
54	58.9	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: 14.88 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

Instrument :

BNA_F

ClientSampleId :

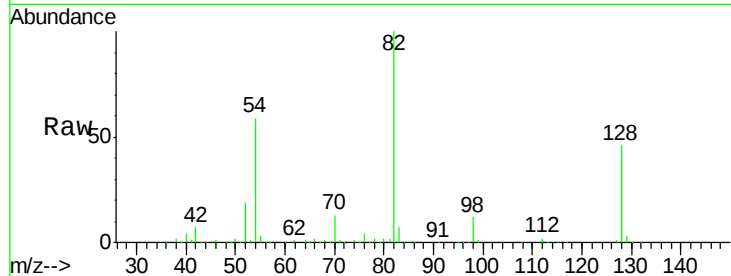
Tot Ion: 82 Resp: 361546

Ion Ratio Lower Upper

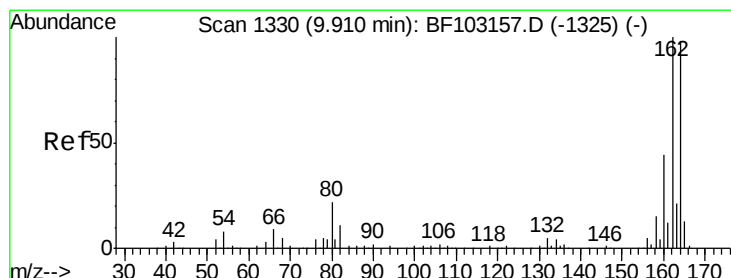
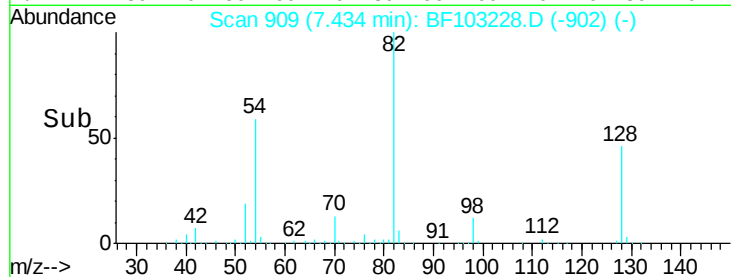
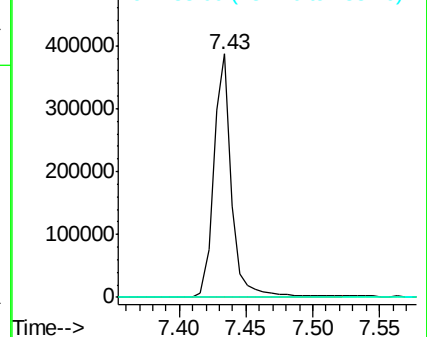
82 100

95 0.1 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: 9.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

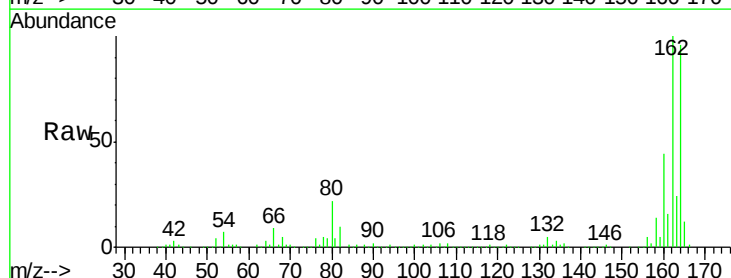
Tgt Ion: 164 Resp: 297913

Ion Ratio Lower Upper

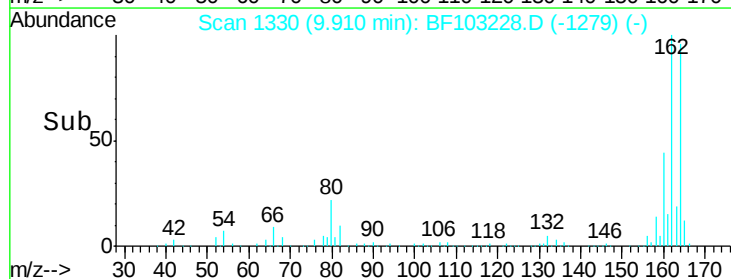
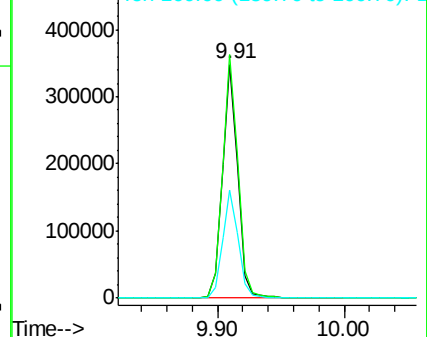
164 100

162 104.1 86.1 129.1

160 46.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

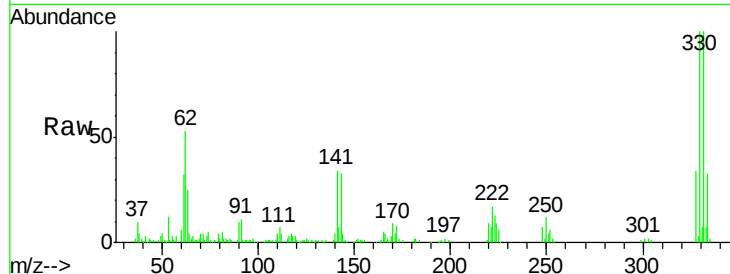




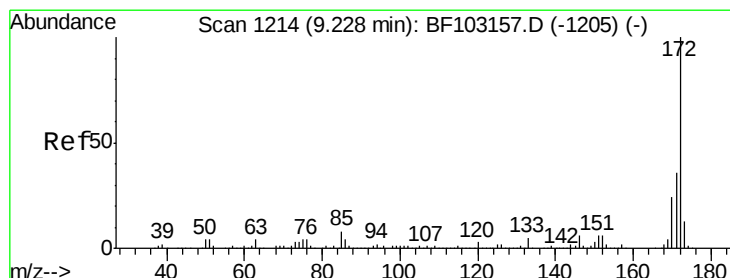
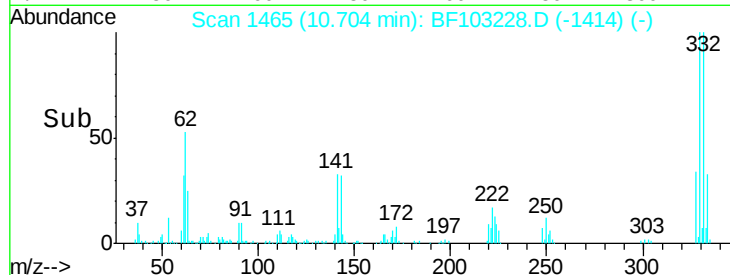
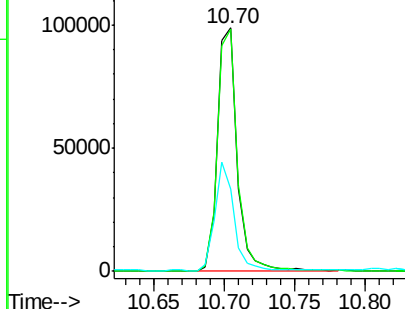
#41
 2,4,6-Tribromophenol
 Concen: 38.63 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103228.D
 Acq: 26 Feb 2018 20:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.0	77.0	115.6
141	41.7	29.9	44.9

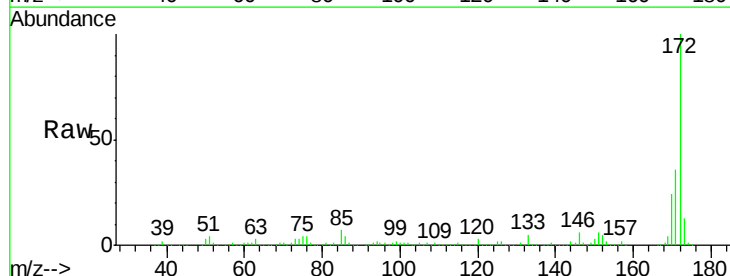


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

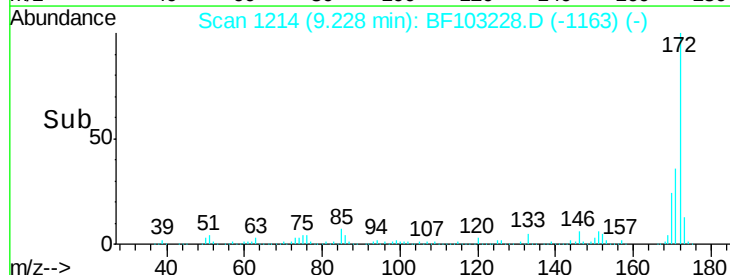
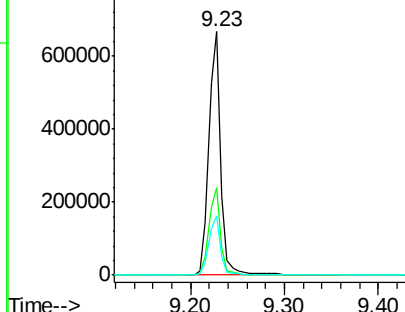


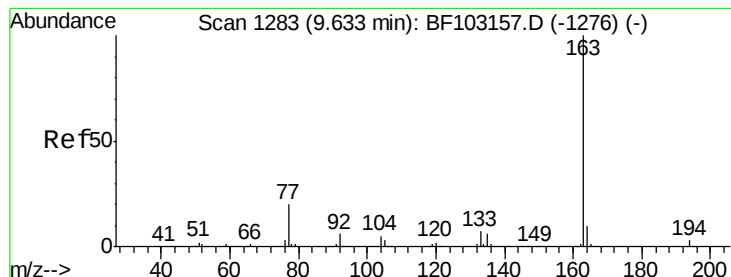
#44
 2-Fluorobiphenyl
 Concen: 28.65 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103228.D
 Acq: 26 Feb 2018 20:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.4	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: 3.55 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

Instrument :

BNA_F

ClientSampleId :

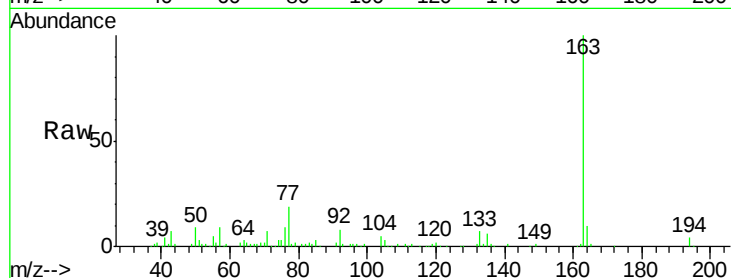
Tot Ion:163 Resp: 84736

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

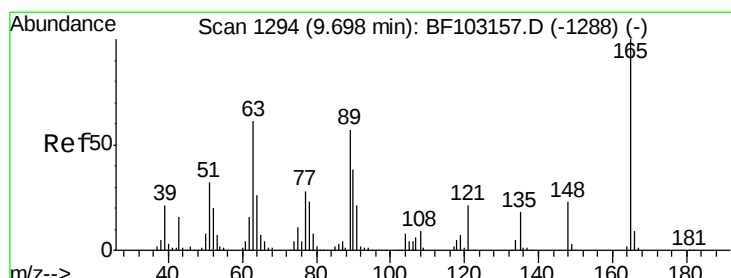
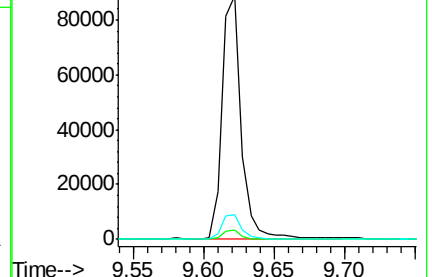
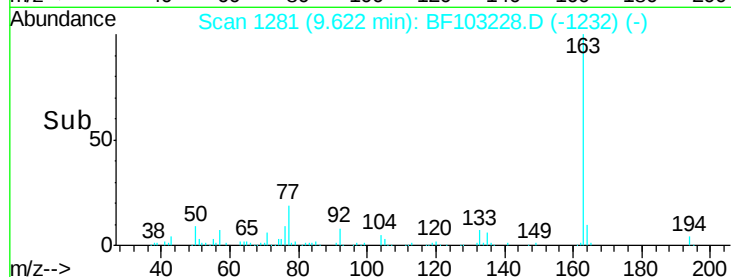
164 9.9 8.2 12.2



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: 7.73 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

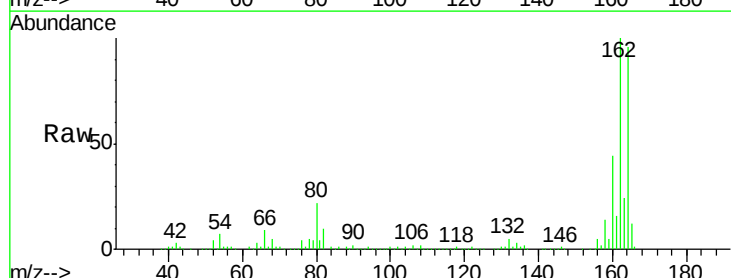
Tgt Ion:165 Resp: 38757

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

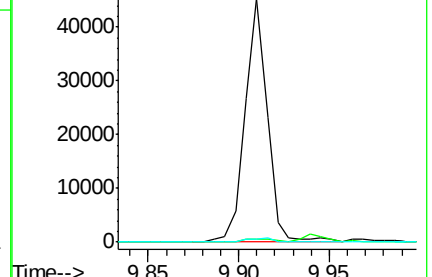
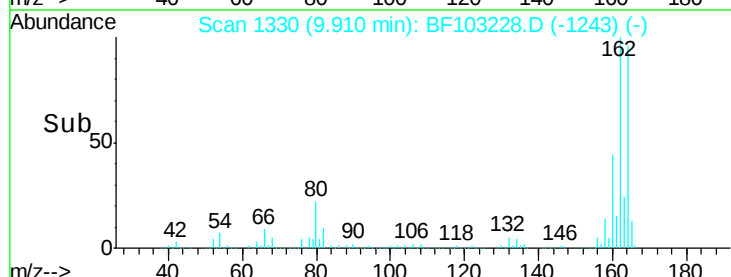
89 1.2 44.0 66.0#

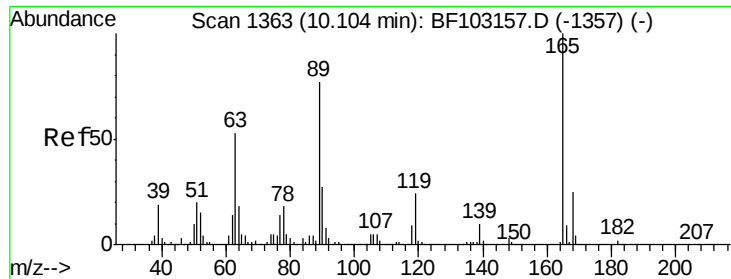


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

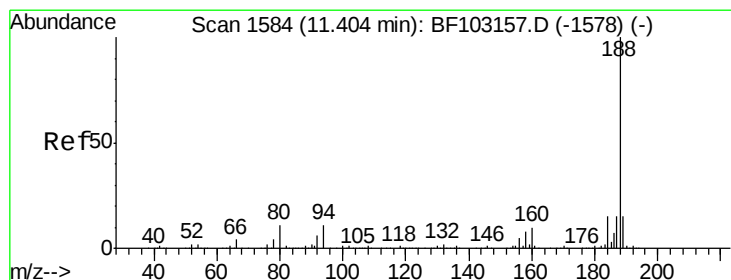
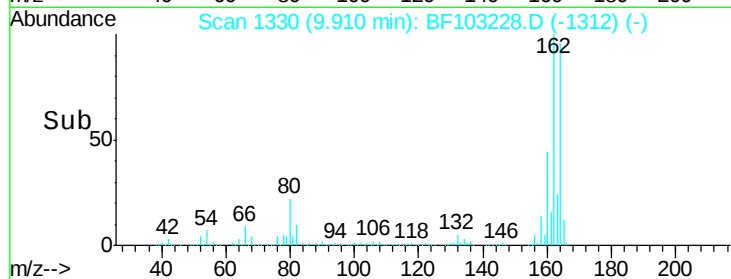
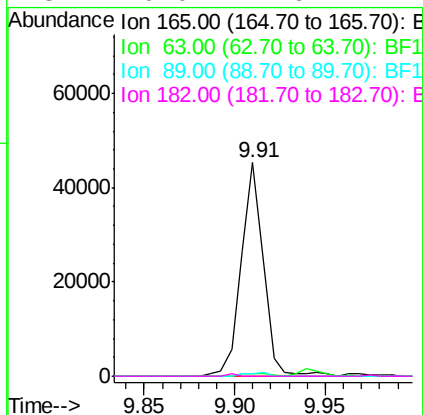
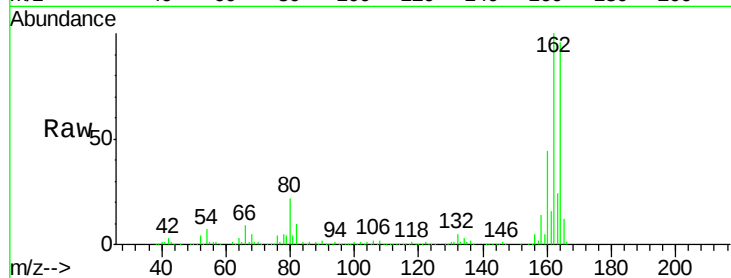




#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.19 min
 Lab File: BF103228.D
 Acq: 26 Feb 2018 20:11

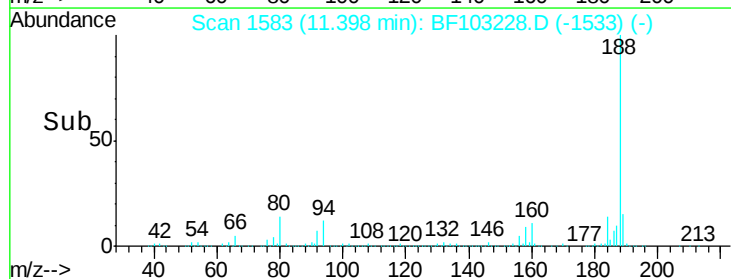
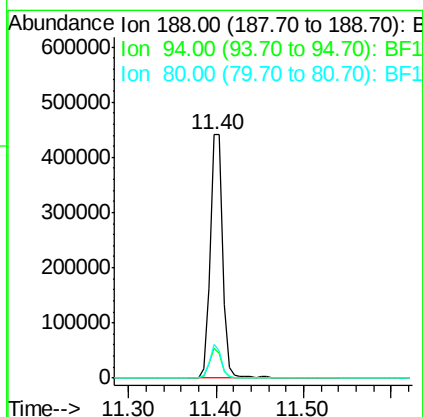
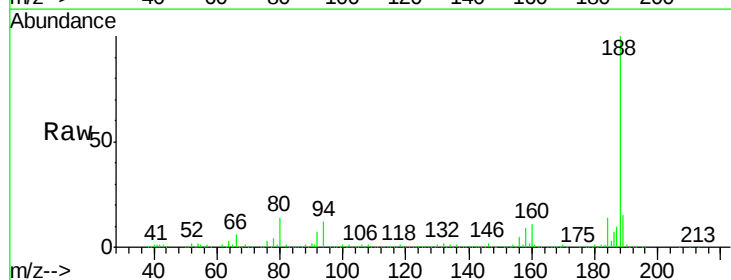
Instrument :
 BNA_F
 ClientSampleId :

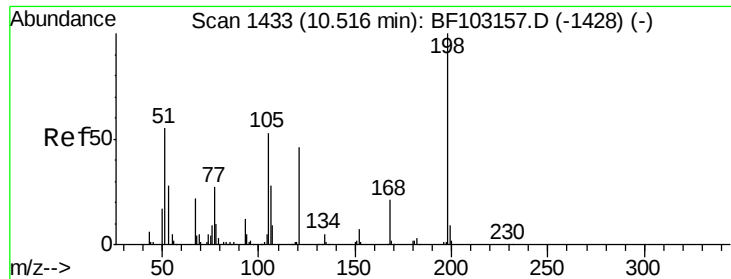
Tot Ion:165 Resp: 38757
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103228.D
 Acq: 26 Feb 2018 20:11

Tgt Ion:188 Resp: 438929
 Ion Ratio Lower Upper
 188 100
 94 12.4 8.5 12.7
 80 13.7 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 4.99 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

Instrument :

BNA_F

ClientSampleId :

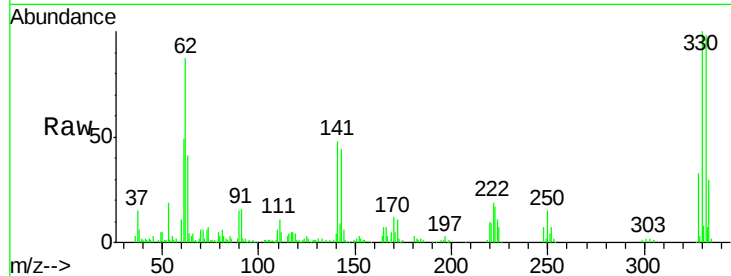
Tot Ion:198 Resp: 137

Ion Ratio Lower Upper

198 100

51 265.9 37.7 77.7#

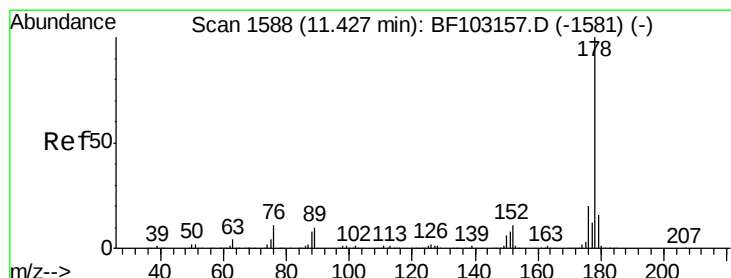
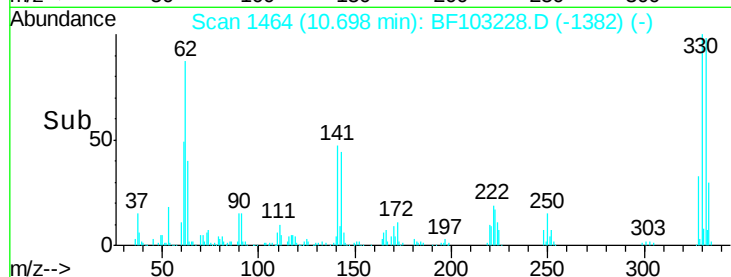
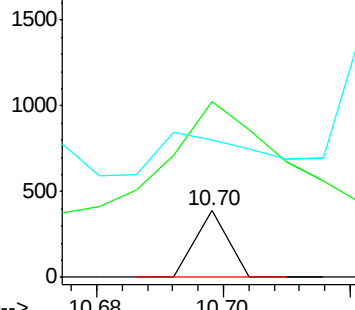
105 206.2 36.3 76.3#



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



#70

Phenanthrene

Concen: 4.47 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

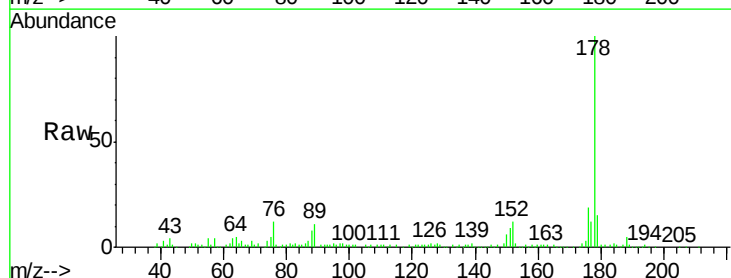
Tgt Ion:178 Resp: 108063

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

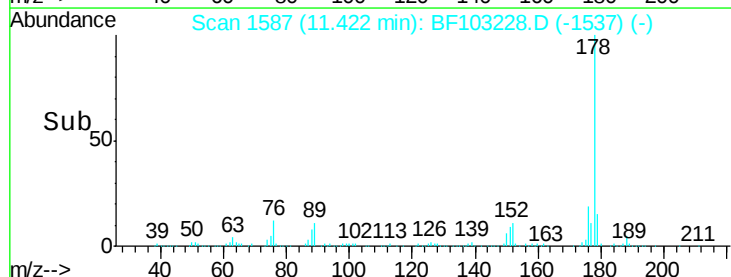
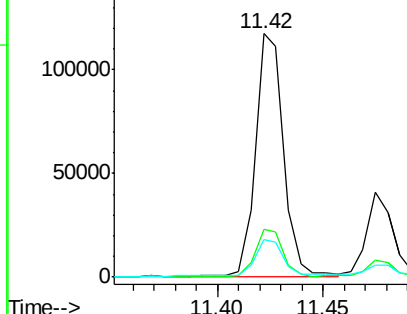
179 15.3 13.0 19.6

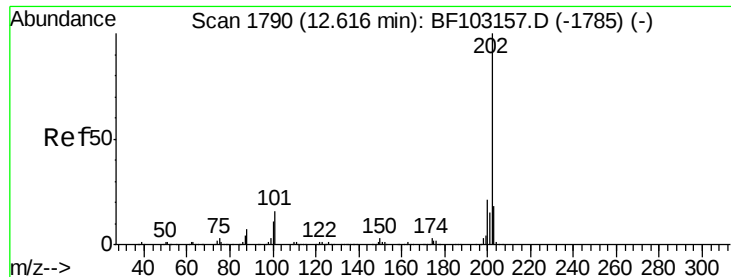


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.84 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

Instrument :

BNA_F

ClientSampled :

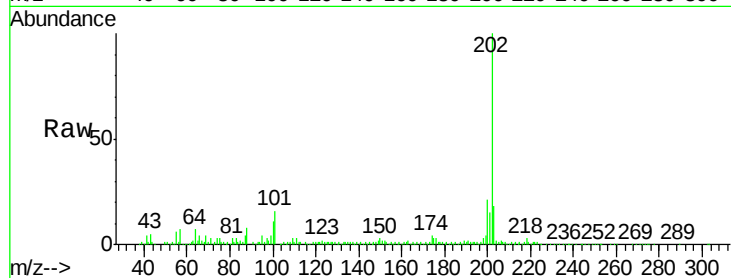
Tot Ion:202 Resp: 166002

Ion Ratio Lower Upper

202 100

101 16.5 0.0 34.1

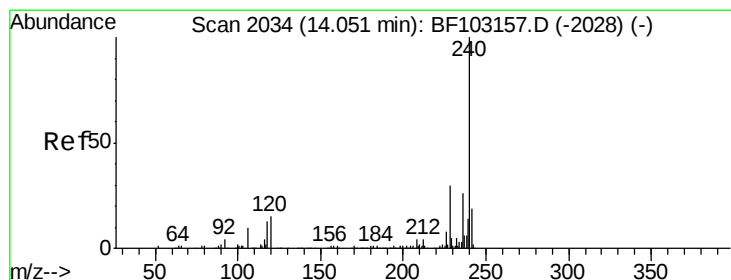
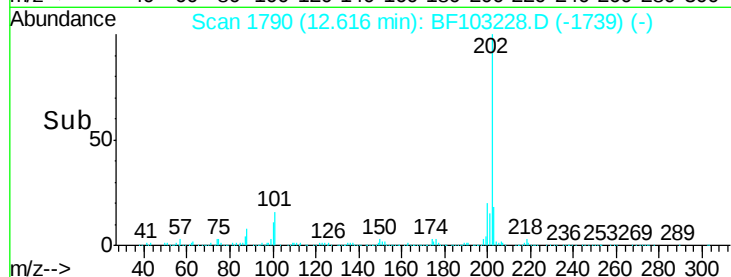
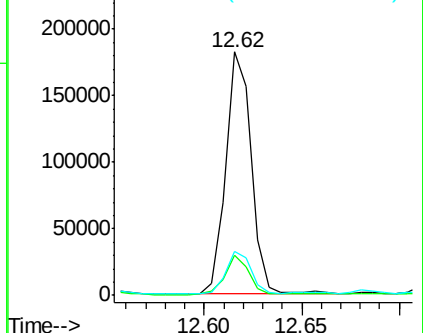
203 18.0 0.0 38.1



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: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

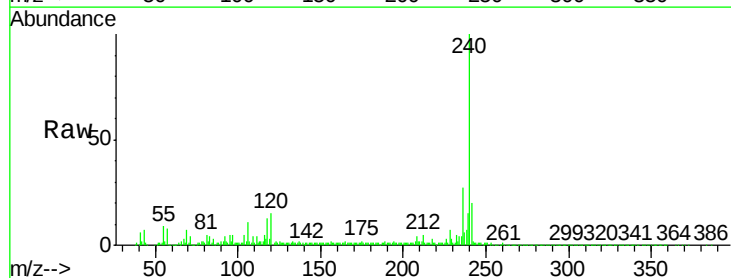
Tgt Ion:240 Resp: 296098

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

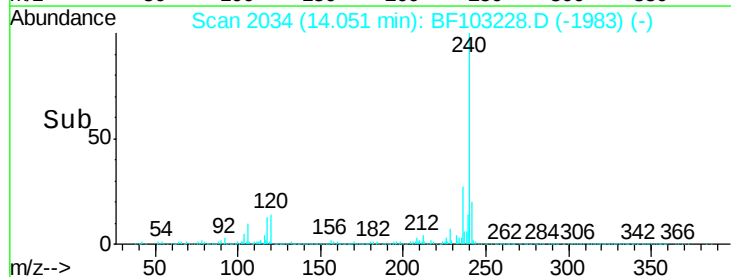
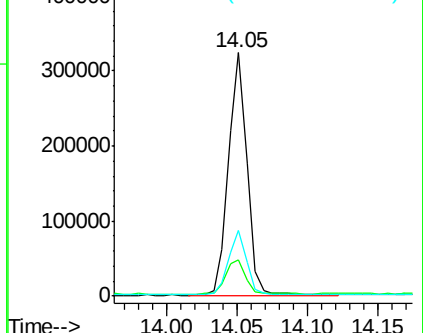
236 27.2 20.7 31.1

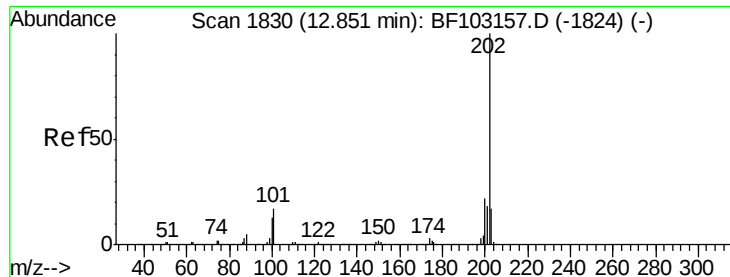


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.42 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

Instrument :

BNA_F

ClientSampled :

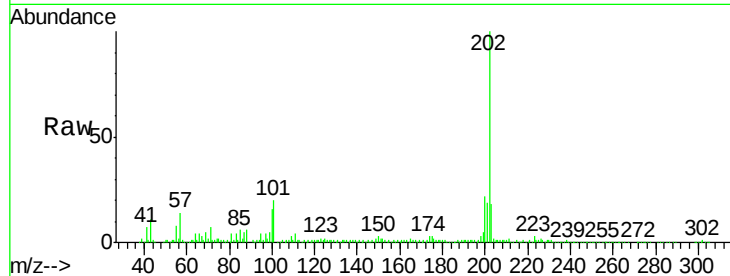
Tot Ion:202 Resp: 194445

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

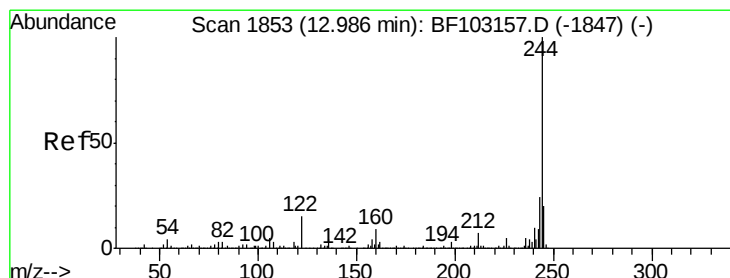
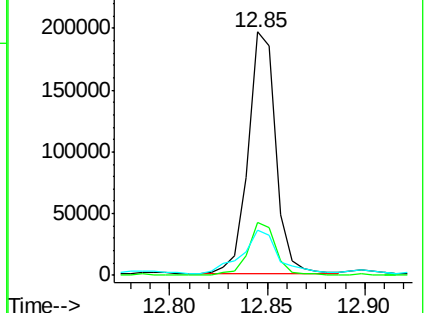
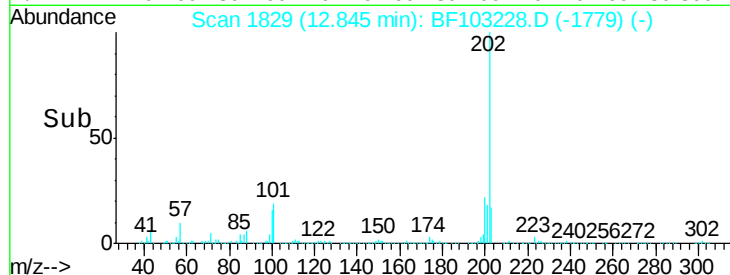
203 18.4 14.3 21.5



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: 31.76 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

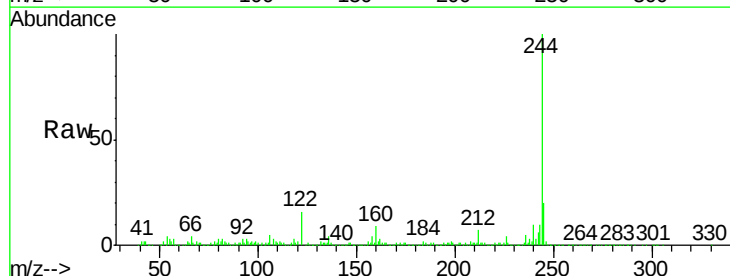
Tgt Ion:244 Resp: 391177

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

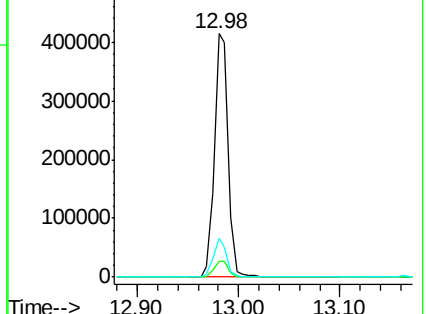
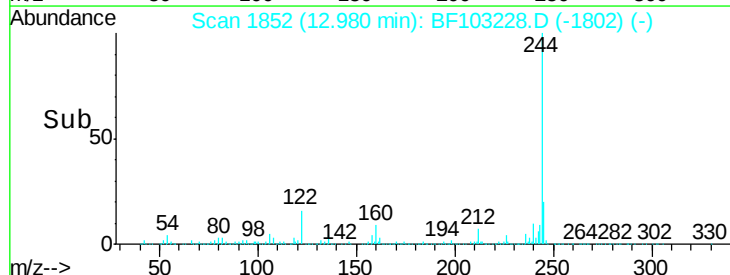
122 16.0 11.0 16.4

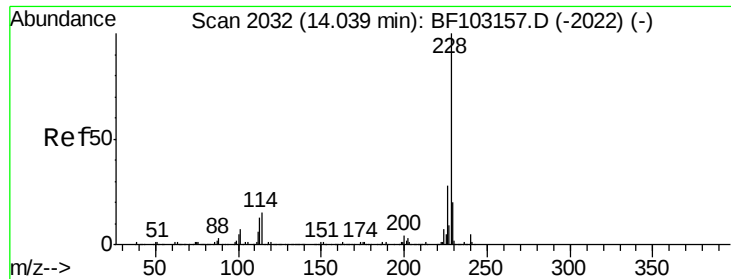


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

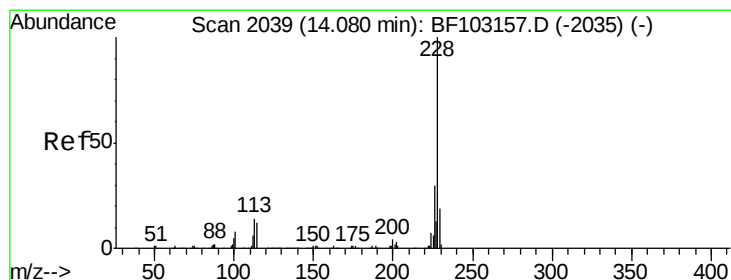
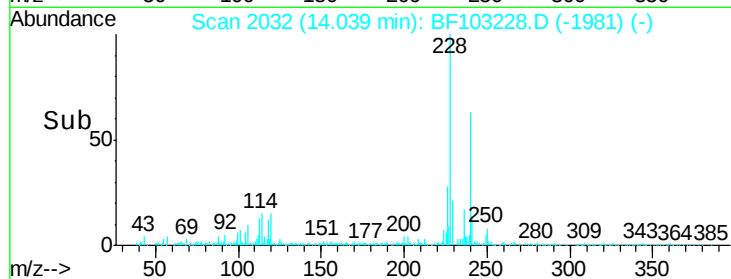
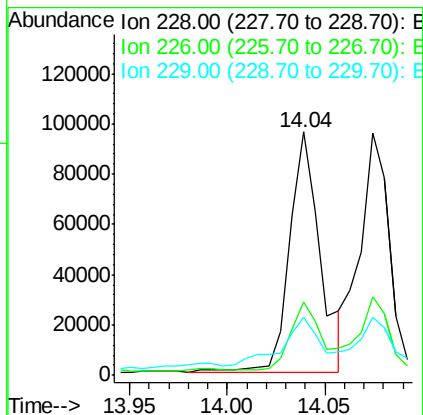
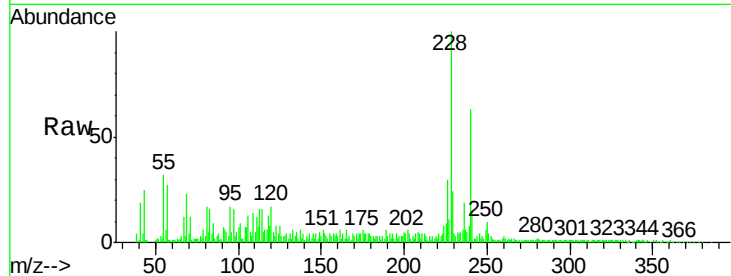




#80
Benzo(a)anthracene
Concen: 5.40 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

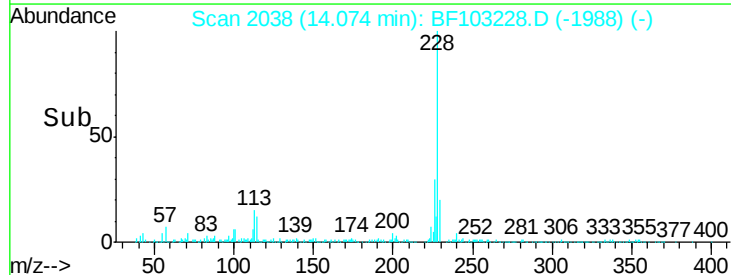
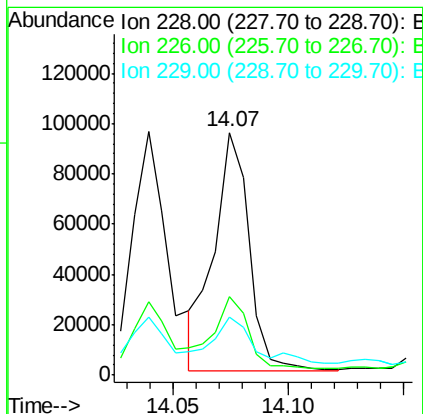
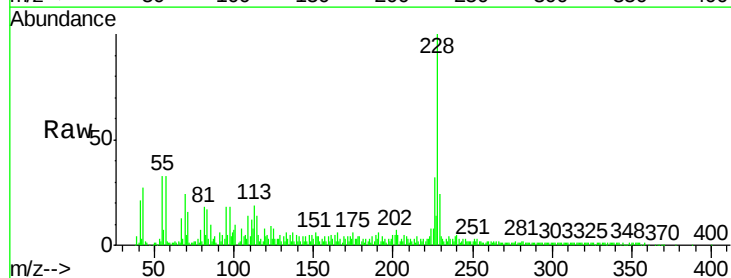
Instrument :
BNA_F
ClientSampleId :

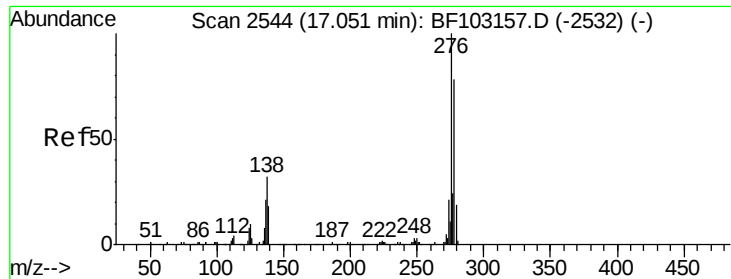
Tot Ion:228 Resp: 103682
Ion Ratio Lower Upper
228 100
226 30.0 22.6 33.8
229 24.0 15.8 23.6#



#82
Chrysene
Concen: 5.42 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:228 Resp: 101049
Ion Ratio Lower Upper
228 100
226 32.1 25.0 37.6
229 24.0 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.39 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.02 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

Instrument :

BNA_F

ClientSampleId :

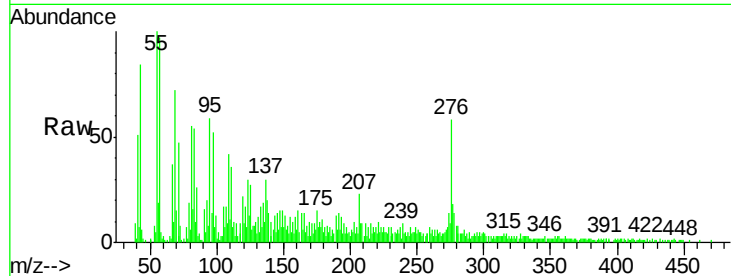
Tot Ion:276 Resp: 35323

Ion Ratio Lower Upper

276 100

138 28.7 25.0 37.6

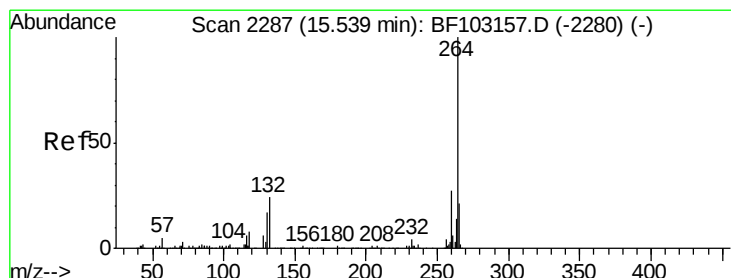
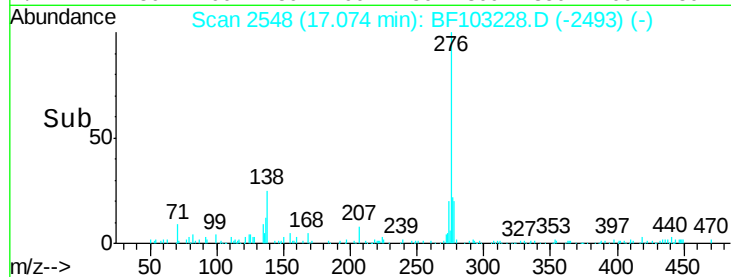
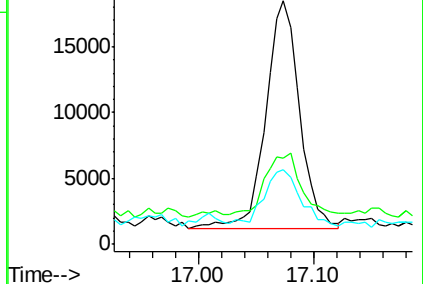
277 26.8 20.1 30.1



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: 20.00 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.01 min

Lab File: BF103228.D

Acq: 26 Feb 2018 20:11

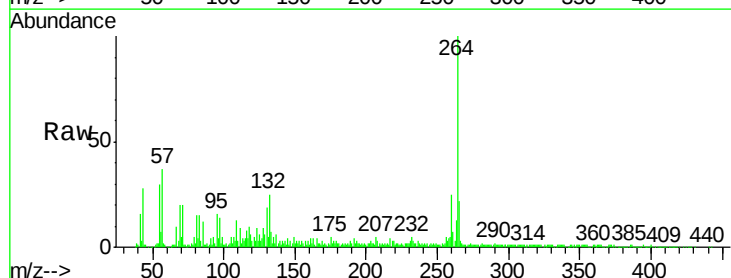
Tgt Ion:264 Resp: 218428

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

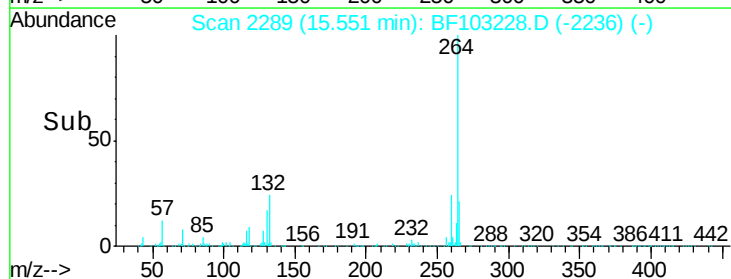
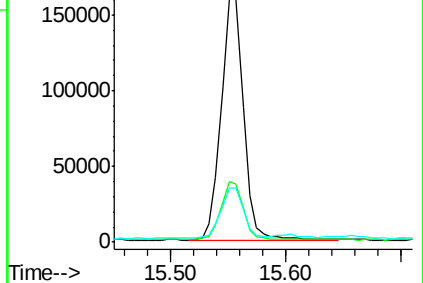
265 22.2 17.5 26.3

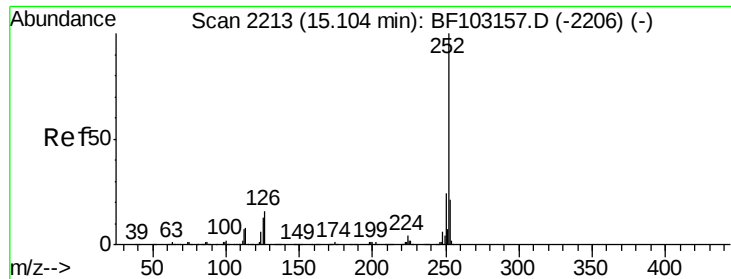


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

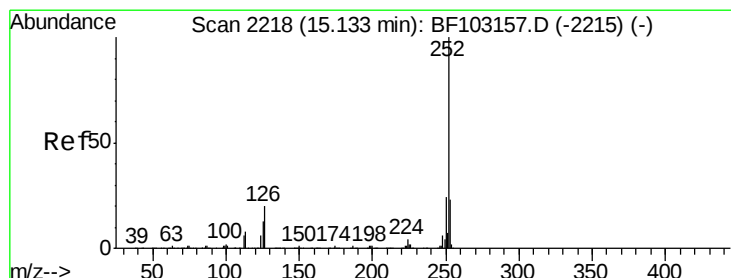
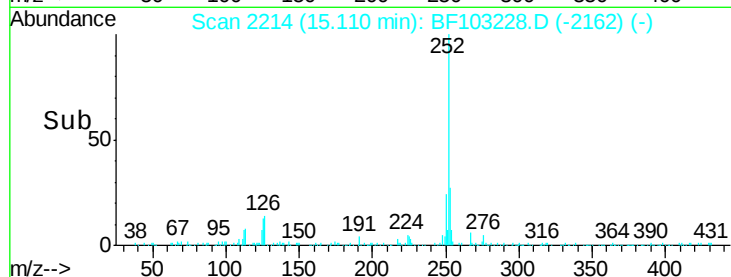
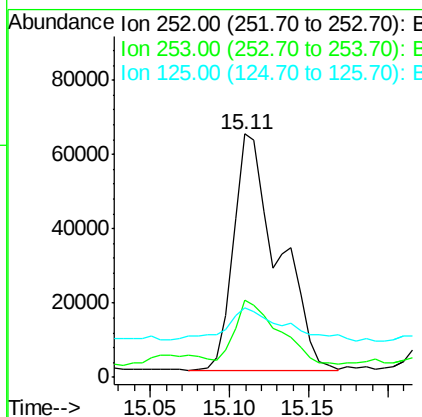
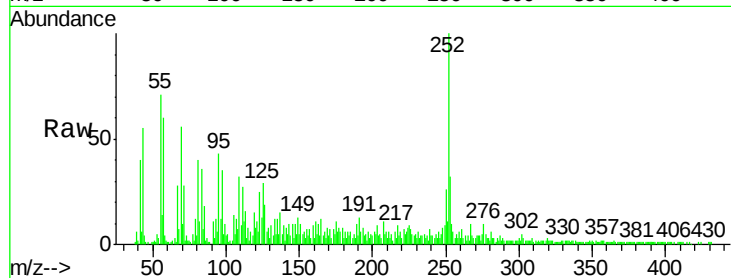




#87
Benzo(b)fluoranthene
Concen: 8.67 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

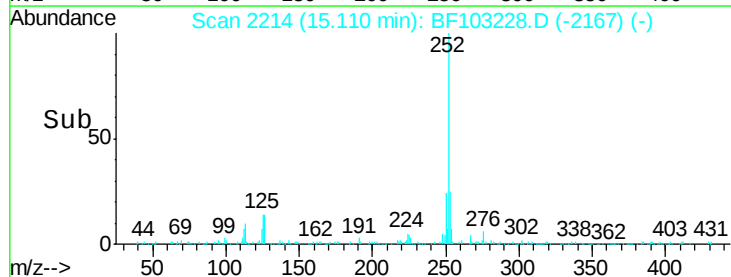
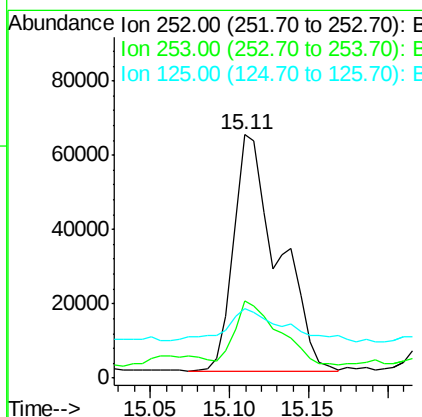
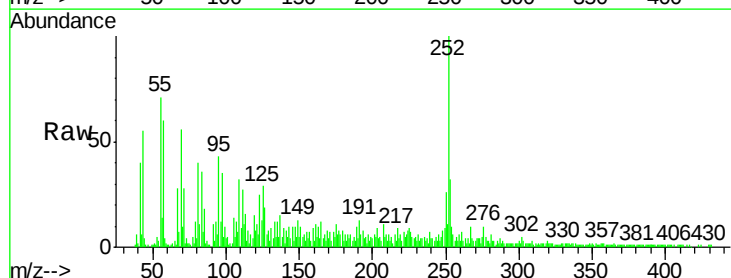
Instrument :
BNA_F
ClientSampleId :

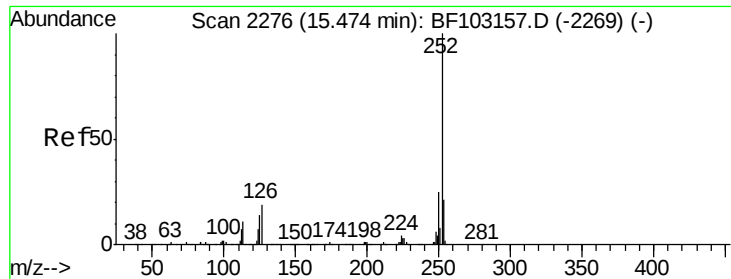
Tot Ion:252 Resp: 124464
Ion Ratio Lower Upper
252 100
253 31.9 17.0 25.6#
125 28.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 9.20 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:252 Resp: 124464
Ion Ratio Lower Upper
252 100
253 31.9 17.9 26.9#
125 28.8 10.2 15.2#

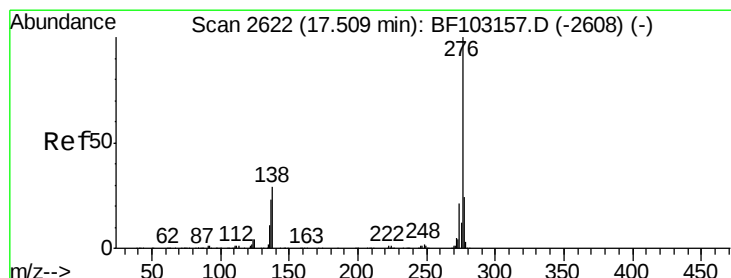
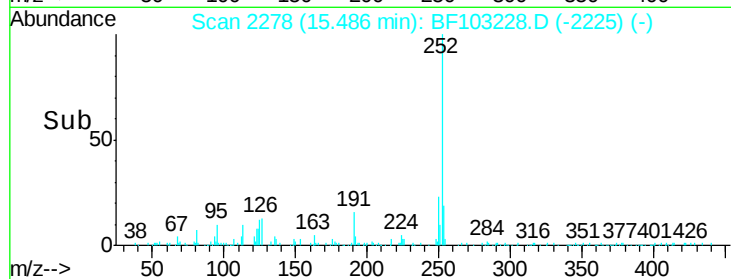
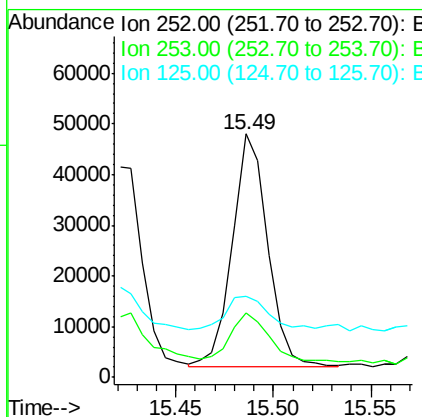
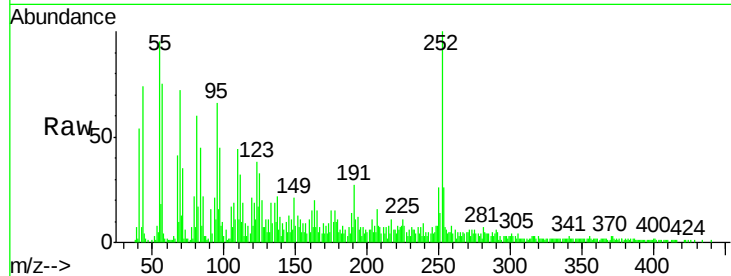




#89
Benzo(a)pyrene
Concen: 4.54 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 58250
Ion Ratio Lower Upper
252 100
253 26.2 17.1 25.7#
125 33.1 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.85 ng
RT: 17.53 min Scan# 2626
Delta R.T. 0.02 min
Lab File: BF103228.D
Acq: 26 Feb 2018 20:11

Tgt Ion:276 Resp: 37312
Ion Ratio Lower Upper
276 100
277 30.5 17.9 26.9#
138 39.7 21.8 32.8#

