

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103284.D
 Acq On : 28 Feb 2018 1:35
 Operator : SJ/JU
 Sample : J1704-01 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 03:24:08 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	146969	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	592708	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	232583	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	327994	20.00	ng	0.00
75) Chrysene-d12	14.06	240	243694	20.00	ng	0.00
86) Perylene-d12	15.56	264	187424	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	245206	25.23	ng	0.00
7) Phenol-d6	6.50	99	339501	28.55	ng	0.00
23) Nitrobenzene-d5	7.43	82	212080	20.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	27249	13.84	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	342104	19.86	ng	0.00
78) Terphenyl-d14	12.99	244	209687	20.68	ng	0.00

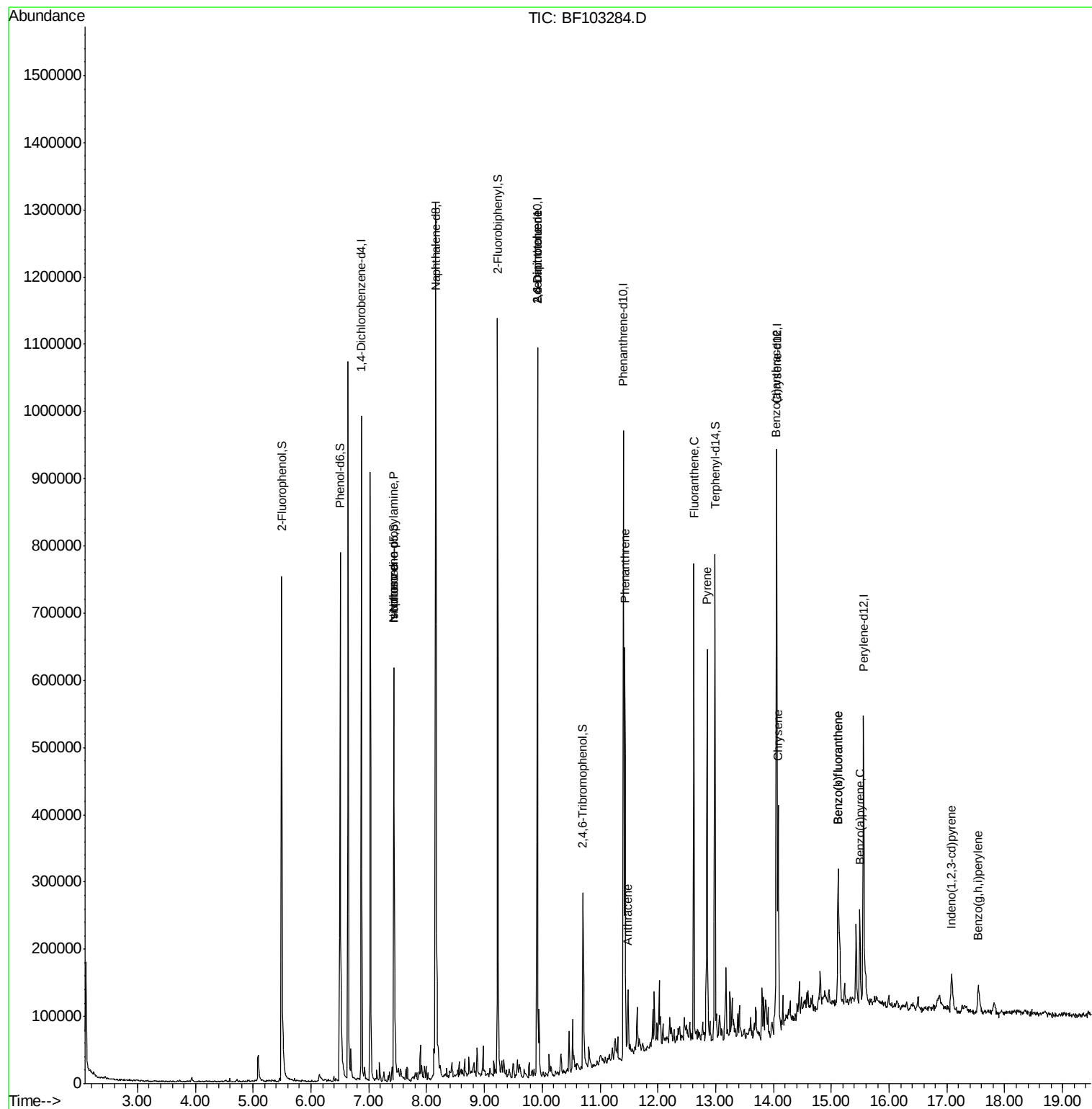
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	847	Below Cal	#	19
19) n-Nitroso-di-n-propylamine	7.43	70	28258	3.82	ng	86
25) Isophorone	7.43	82	212078	10.38	ng	64
50) 2,6-Dinitrotoluene	9.91	165	29460	7.52	ng	26
56) 2,4-Dinitrotoluene	9.91	165	29460	5.95	ng	23
70) Phenanthrene	11.43	178	207683	11.51	ng	98
71) Anthracene	11.48	178	41991	2.27	ng	98
74) Fluoranthene	12.62	202	258663	14.26	ng	98
77) Pyrene	12.85	202	225233	11.85	ng	100
80) Benzo(a)anthracene	14.05	228	111609	7.06	ng	98
82) Chrysene	14.08	228	109978	7.16	ng	99
85) Indeno(1,2,3-cd)pyrene	17.08	276	36067	2.97	ng	99
87) Benzo(b)fluoranthene	15.12	252	146812	11.91	ng	93
88) Benzo(k)fluoranthene	15.12	252	146812	12.65	ng	96
89) Benzo(a)pyrene	15.50	252	66089	6.01	ng	95
91) Benzo(g,h,i)perylene	17.54	276	34072	4.10	ng	91

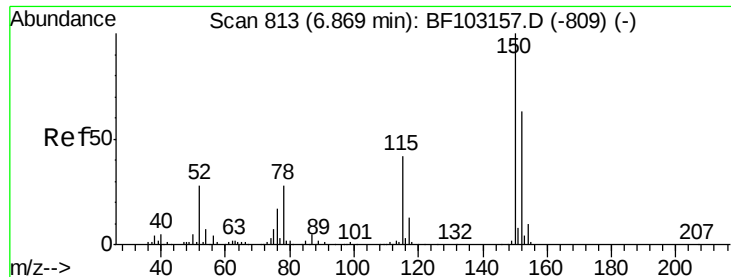
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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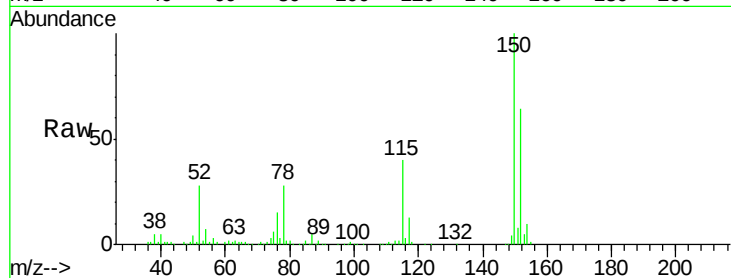


#1

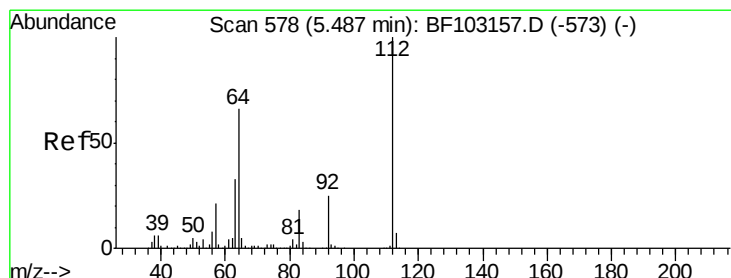
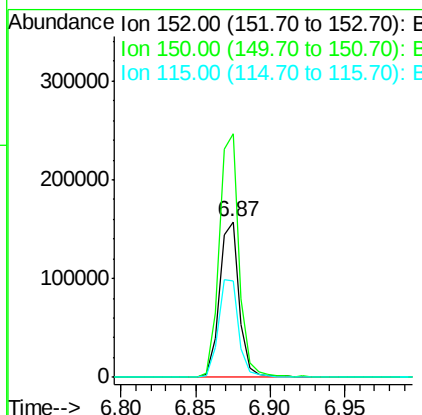
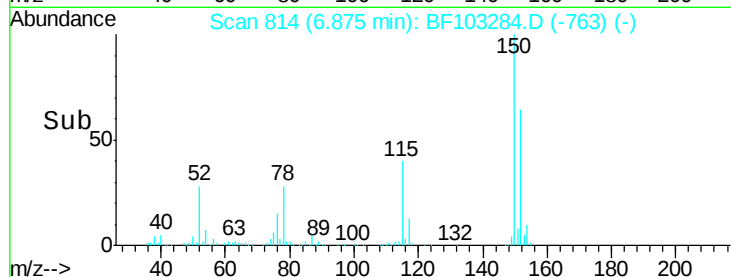
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	62.3	50.1	75.1



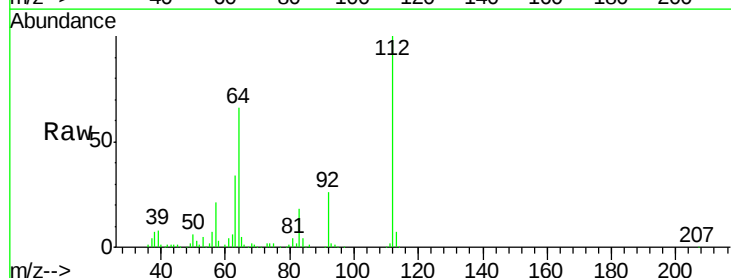
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



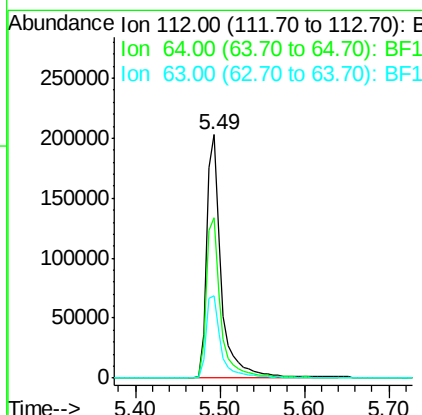
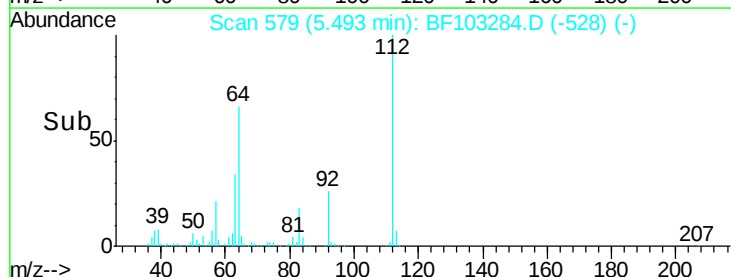
#5

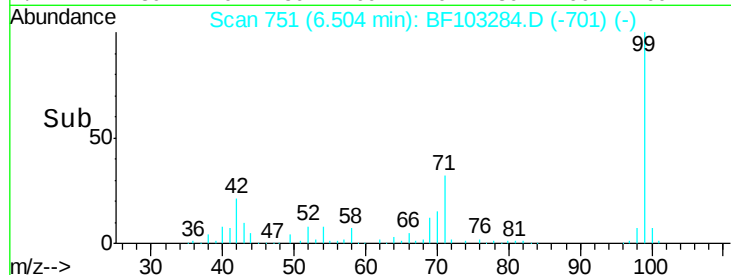
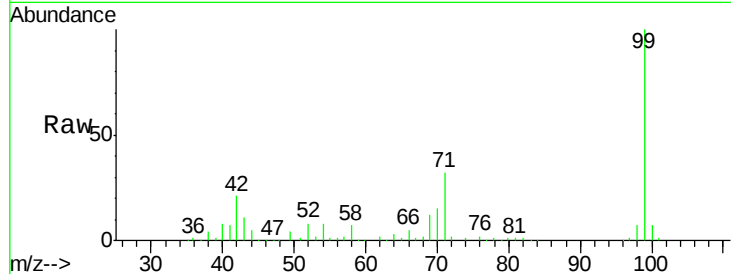
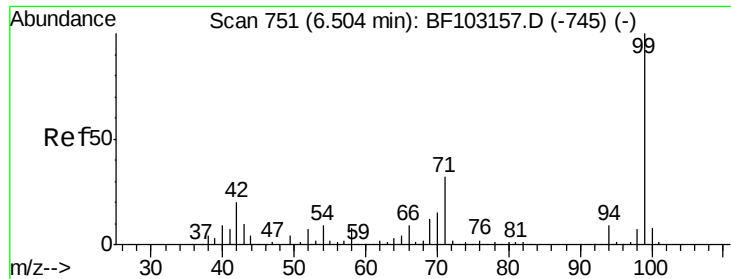
2-Fluorophenol
Concen: 25.23 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	47.9	71.9
63	33.7	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: 28.55 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Instrument :

BNA_F

ClientSampleId :

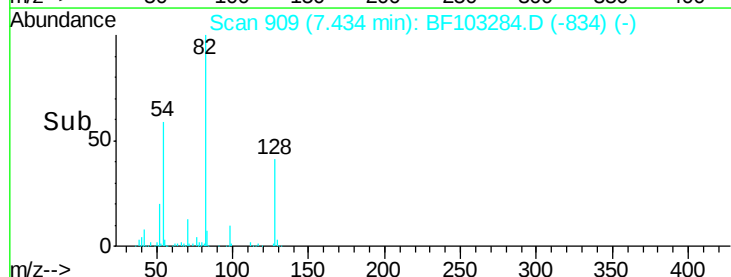
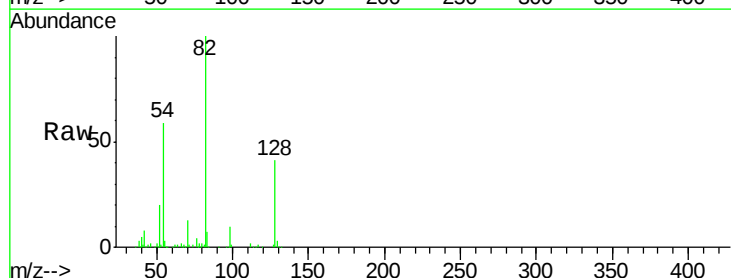
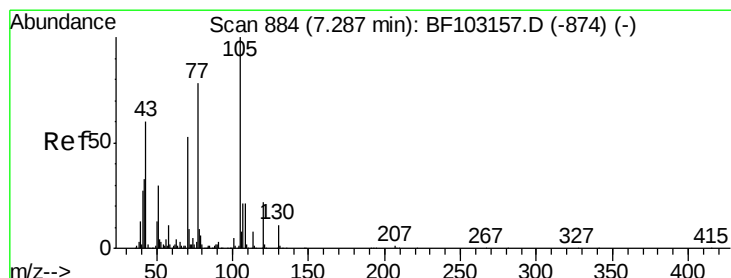
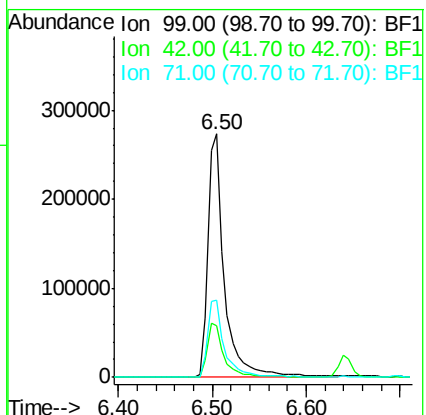
Tot Ion: 99 Resp: 339501

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

71 31.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.82 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Tgt Ion: 70 Resp: 28258

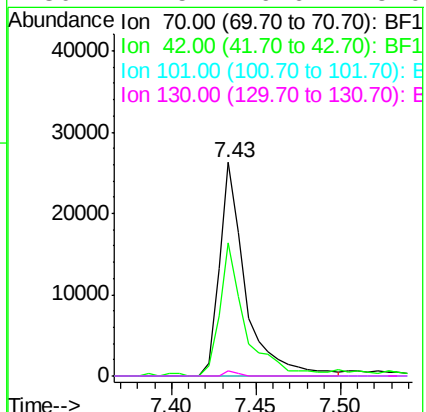
Ion Ratio Lower Upper

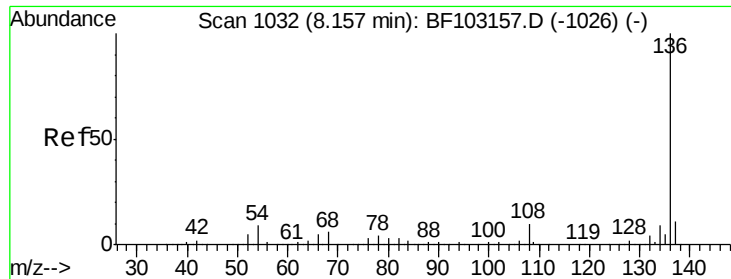
70 100

42 62.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

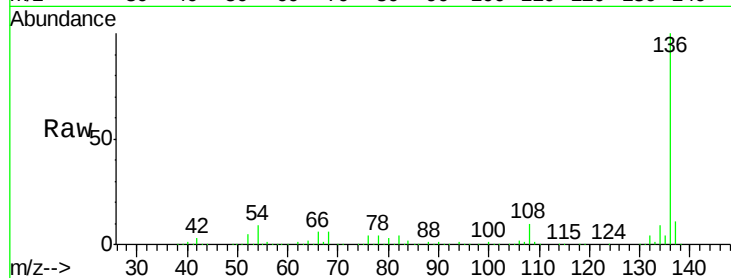




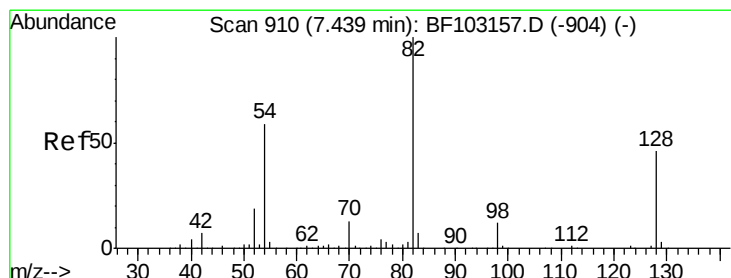
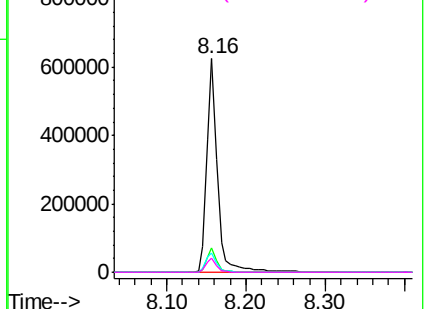
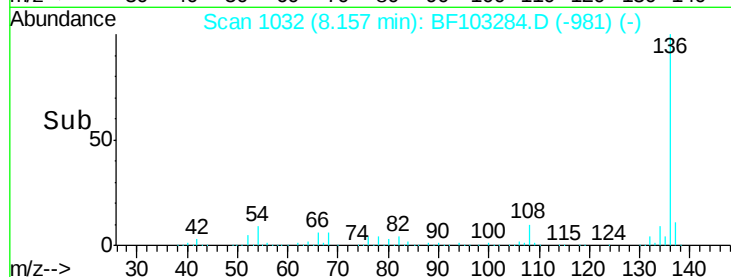
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	592708
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	9.2	6.6 9.8
68	6.3	5.0 7.4

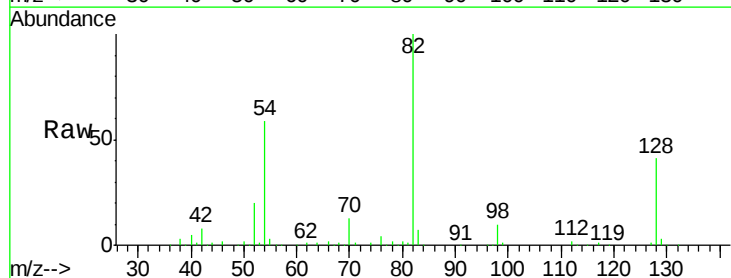


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

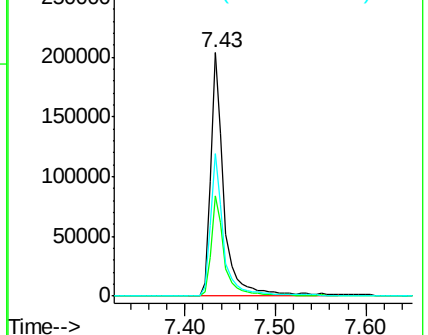
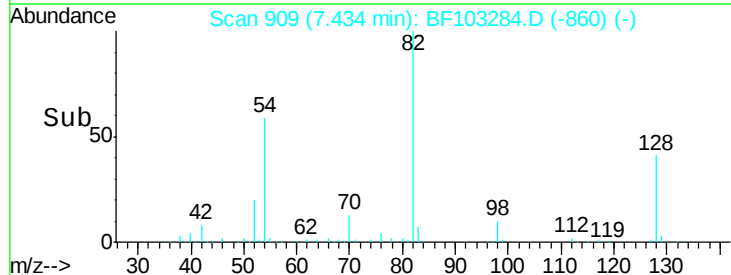


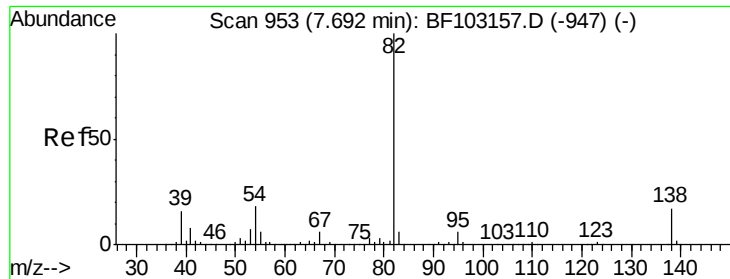
#23
Nitrobenzene-d5
Concen: 20.43 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion: 82	Resp:	212080
Ion Ratio	Lower	Upper
82	100	
128	41.1	36.1 54.1
54	58.8	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: 10.38 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Instrument :

BNA_F

ClientSampled :

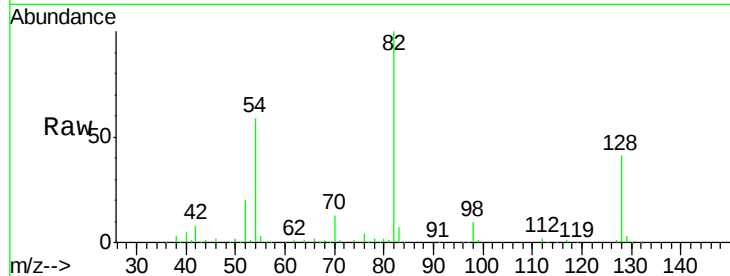
Tot Ion: 82 Resp: 212078

Ion Ratio Lower Upper

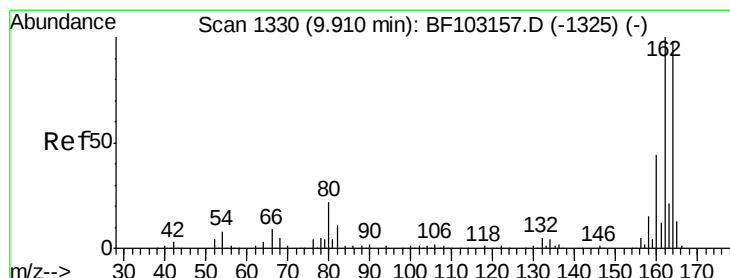
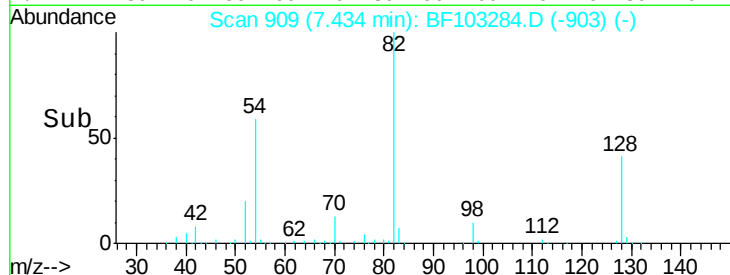
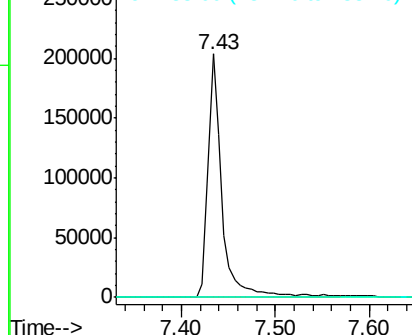
82 100

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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

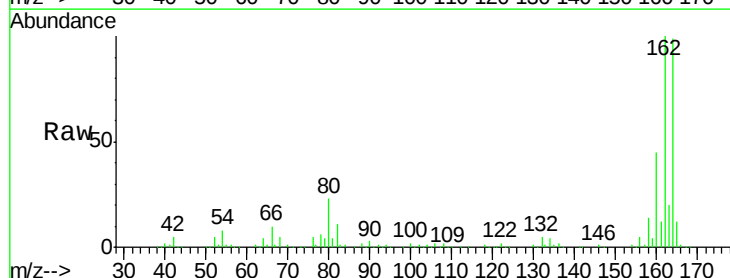
Tgt Ion: 164 Resp: 232583

Ion Ratio Lower Upper

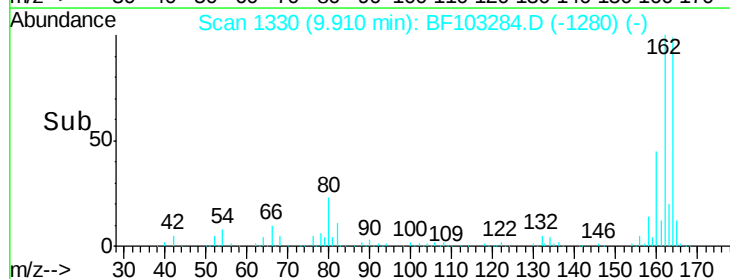
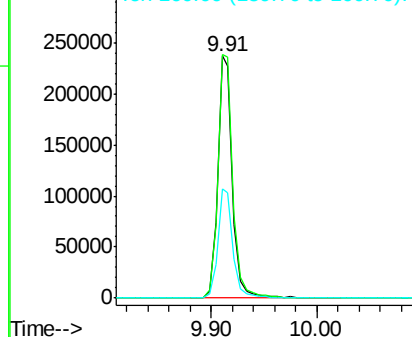
164 100

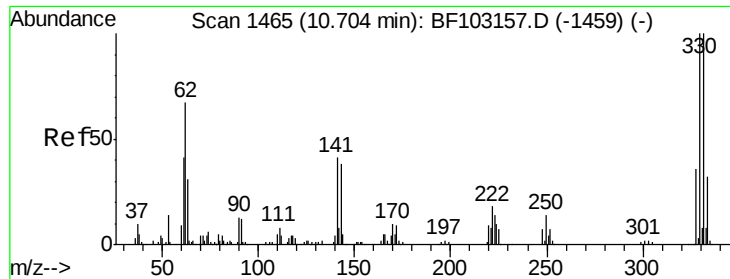
162 100.5 86.1 129.1

160 45.2 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

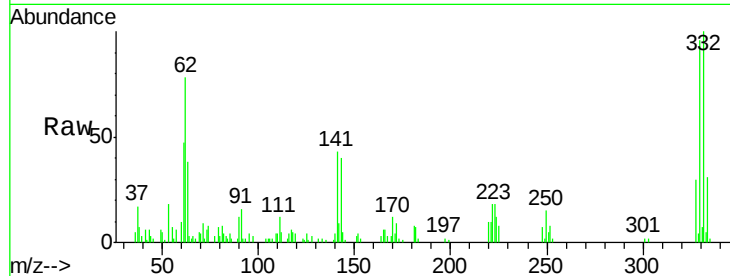




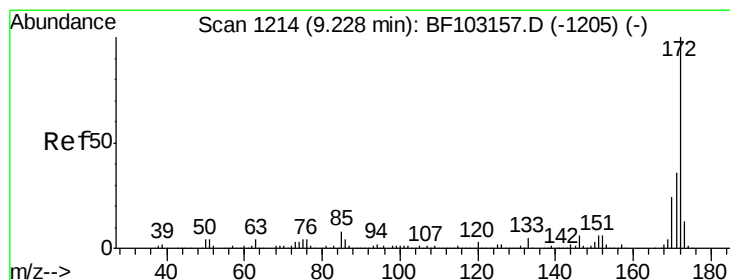
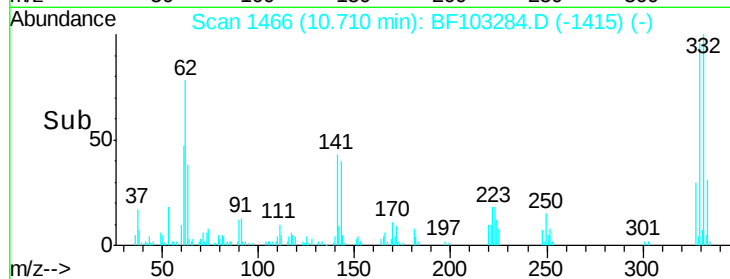
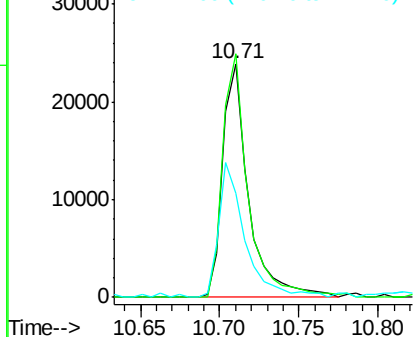
#41
 2,4,6-Tribromophenol
 Concen: 13.84 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103284.D
 Acq: 28 Feb 2018 1:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 27249
 Ion Ratio Lower Upper
 330 100
 332 102.6 77.0 115.6
 141 58.1 29.9 44.9#

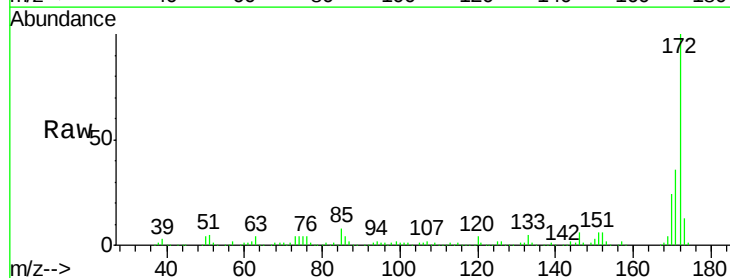


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

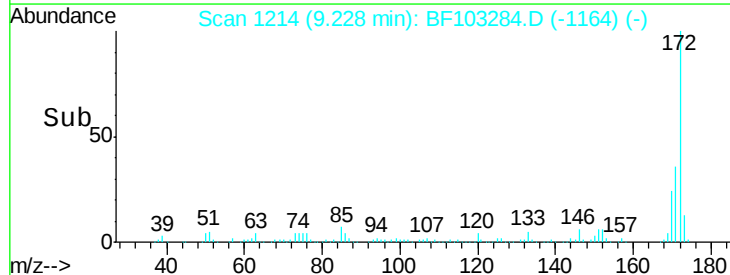
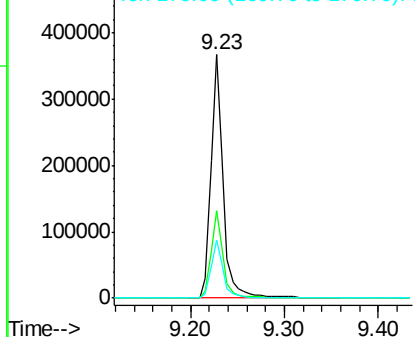


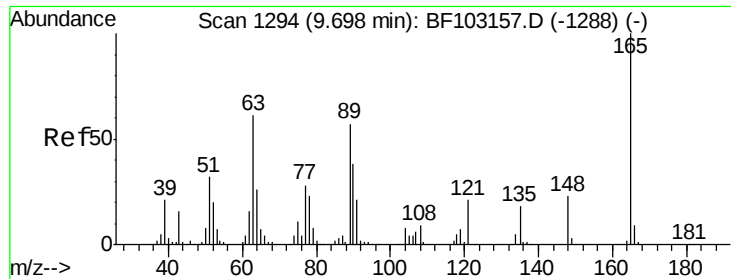
#44
 2-Fluorobiphenyl
 Concen: 19.86 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103284.D
 Acq: 28 Feb 2018 1:35

Tgt Ion:172 Resp: 342104
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.0 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

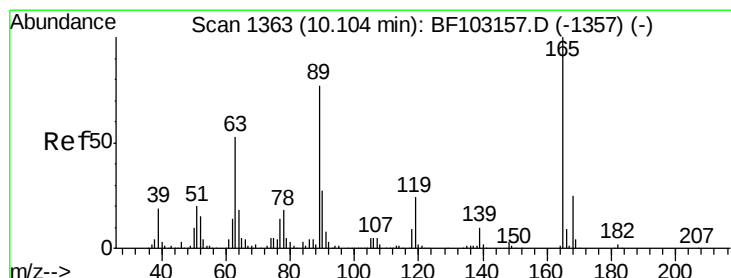
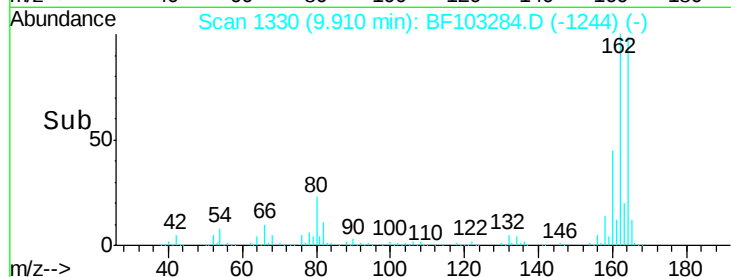
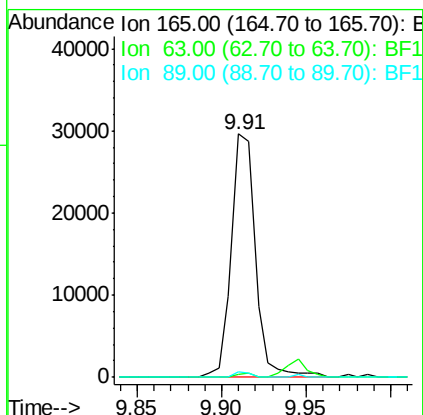
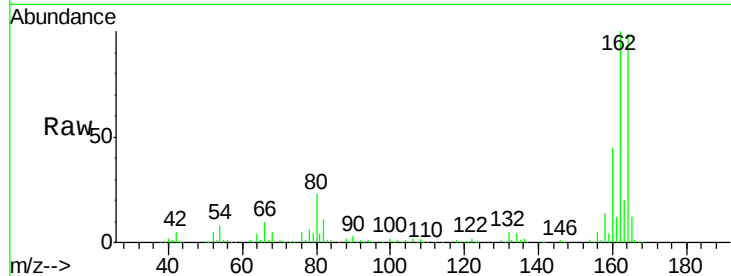




#50
2,6-Dinitrotoluene
Concen: 7.52 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

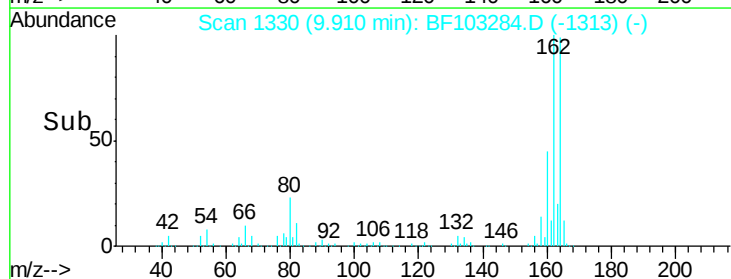
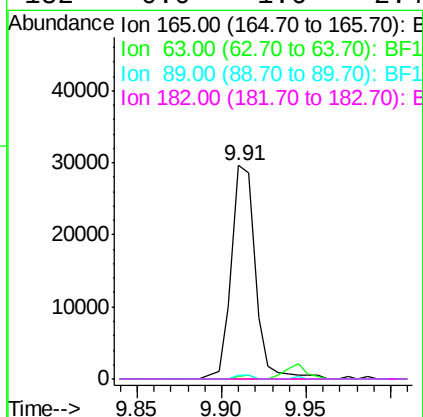
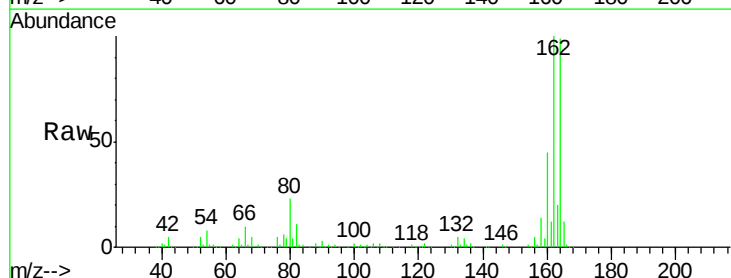
Instrument :
BNA_F
ClientSampleId :

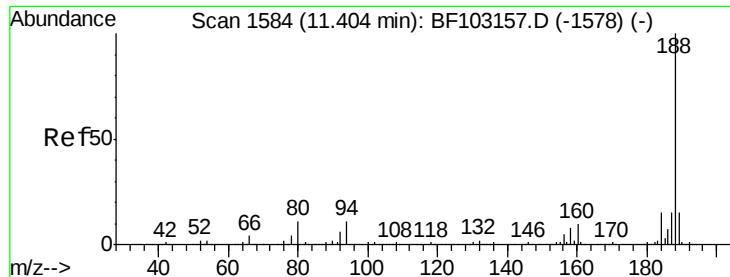
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	2.0	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 5.95 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.20 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#

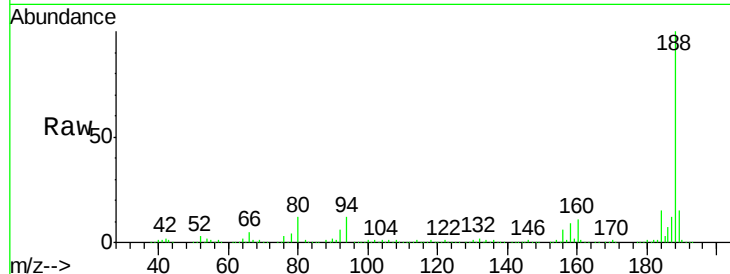




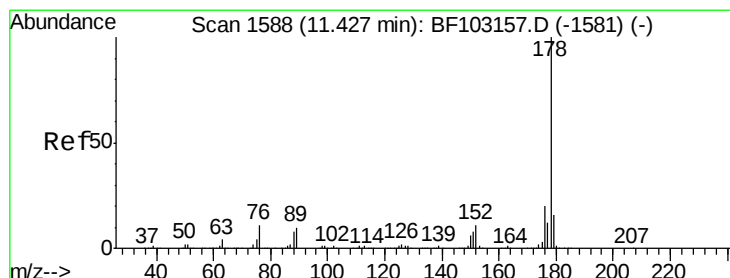
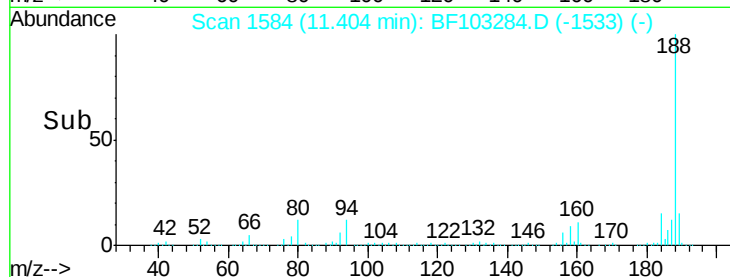
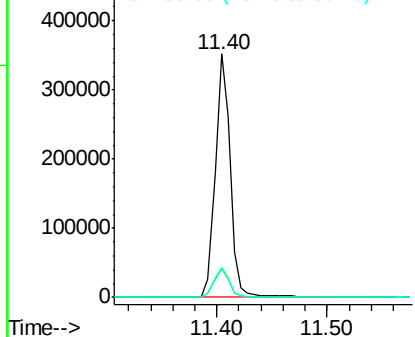
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 327994
Ion Ratio Lower Upper
188 100
94 11.7 8.5 12.7
80 12.4 9.2 13.8

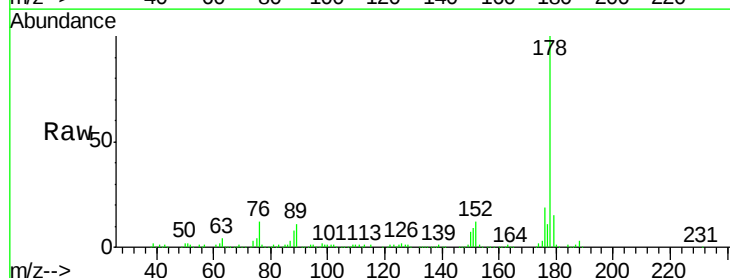


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

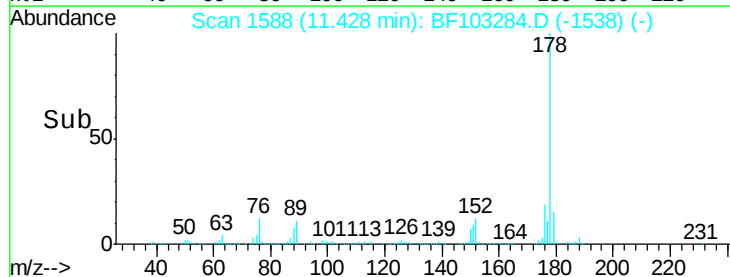
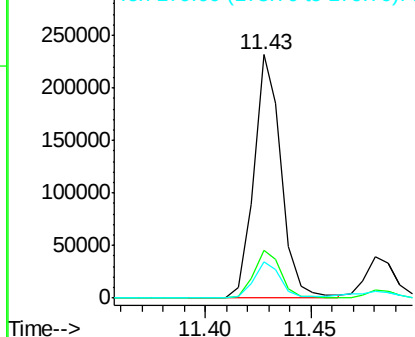


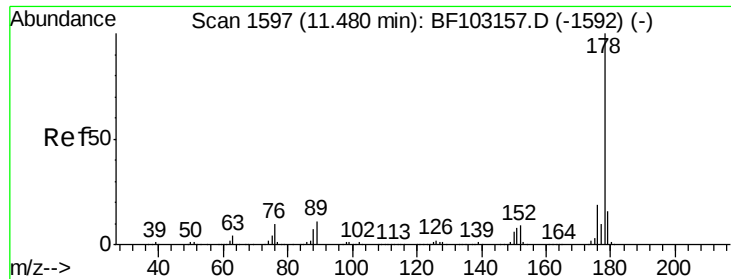
#70
Phenanthrene
Concen: 11.51 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion:178 Resp: 207683
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.8 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

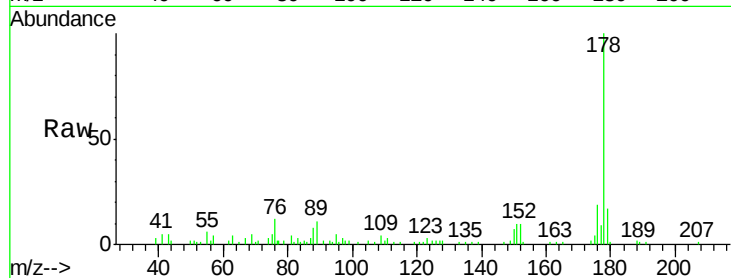




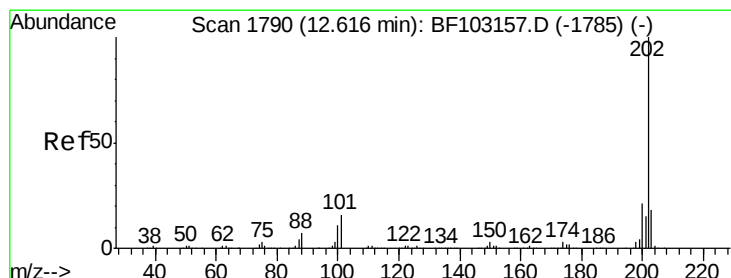
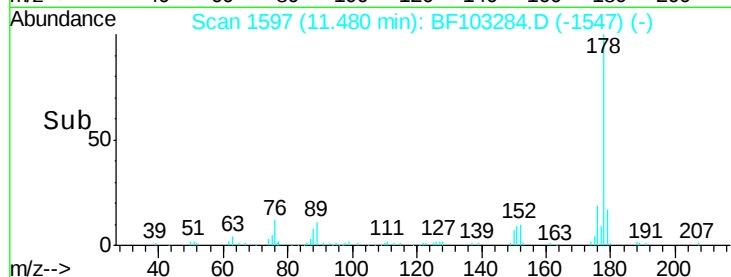
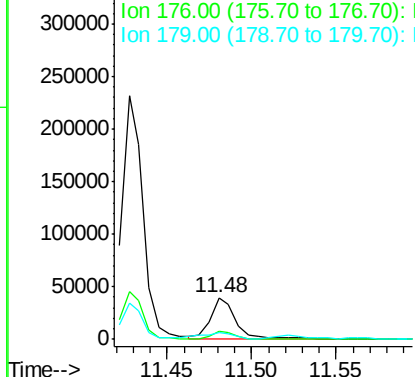
#71
 Anthracene
 Concen: 2.27 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103284.D
 Acq: 28 Feb 2018 1:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 41991
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 16.6 12.6 19.0

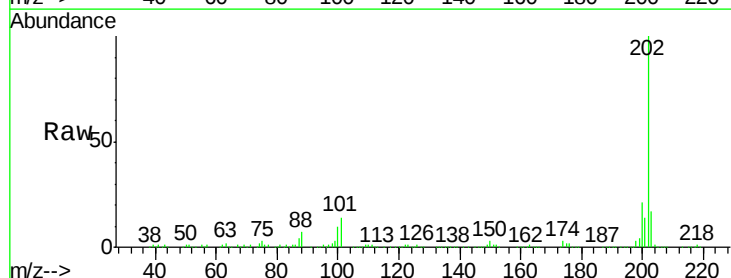


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

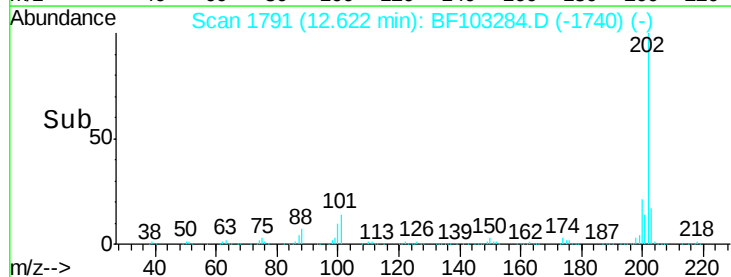
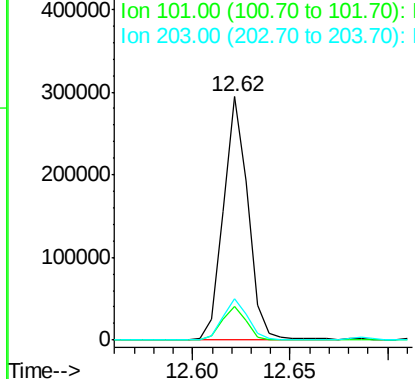


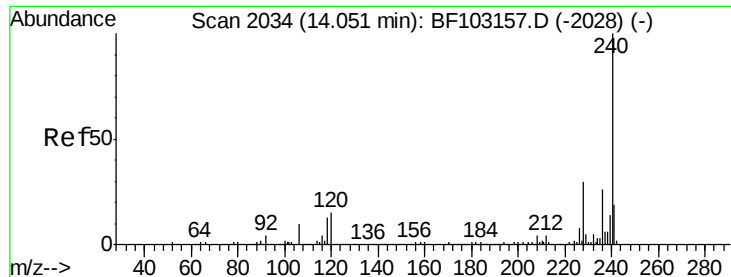
#74
 Fluoranthene
 Concen: 14.26 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF103284.D
 Acq: 28 Feb 2018 1:35

Tgt Ion:202 Resp: 258663
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 34.1
 203 16.9 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: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Instrument :

BNA_F

ClientSampleId :

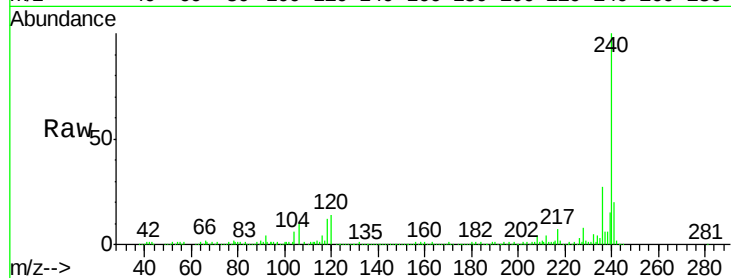
Tot Ion:240 Resp: 243694

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

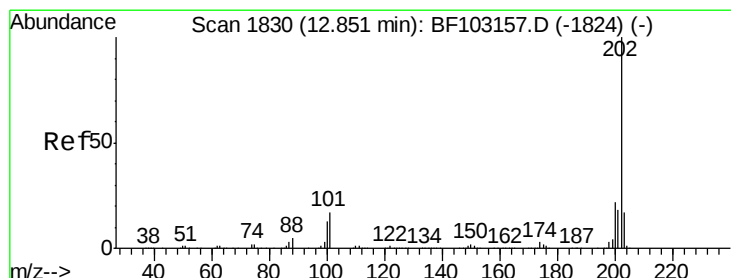
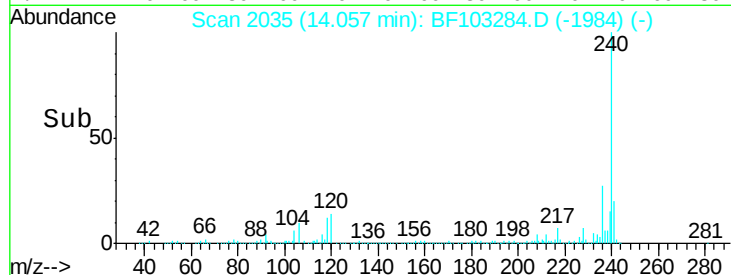
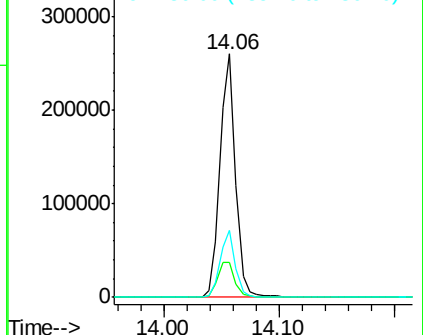
236 27.4 20.7 31.1



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: 11.85 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

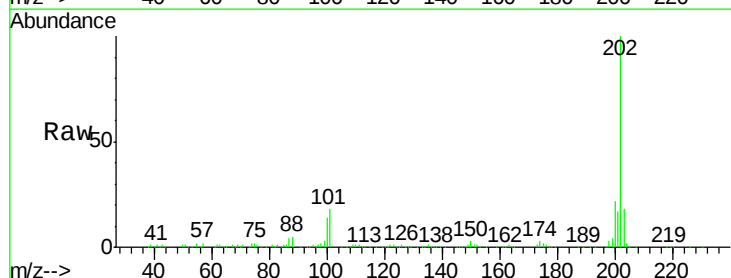
Tgt Ion:202 Resp: 225233

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

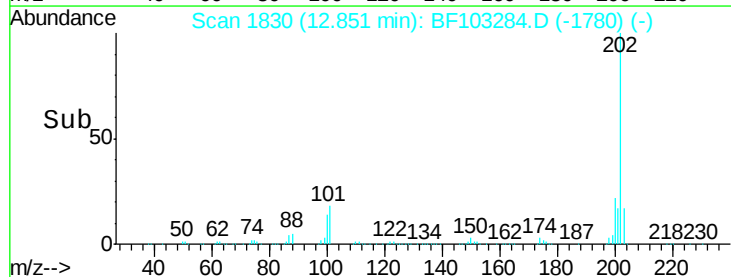
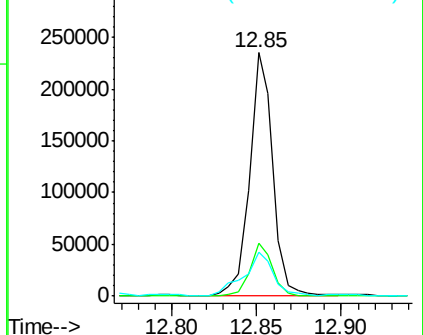
203 17.8 14.3 21.5

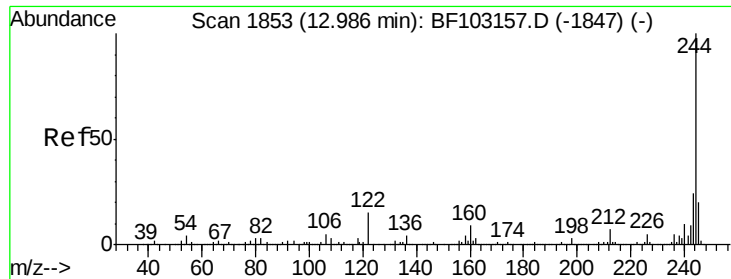


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 20.68 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Instrument :

BNA_F

ClientSampleId :

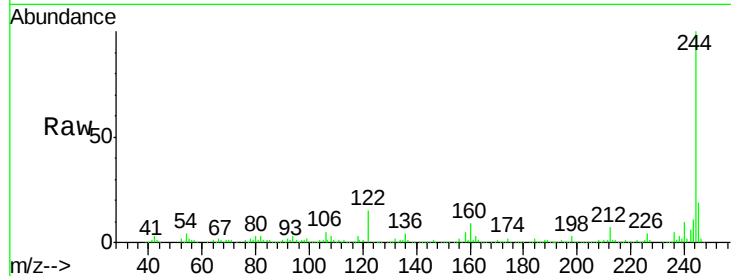
Tot Ion:244 Resp: 209687

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

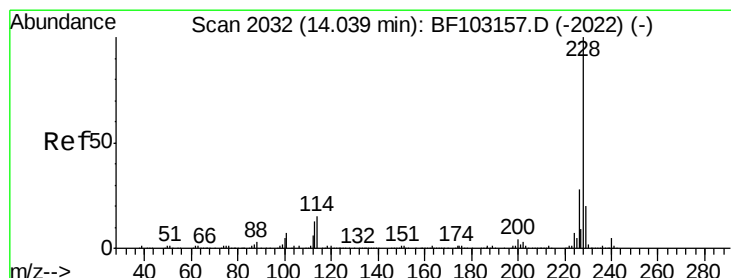
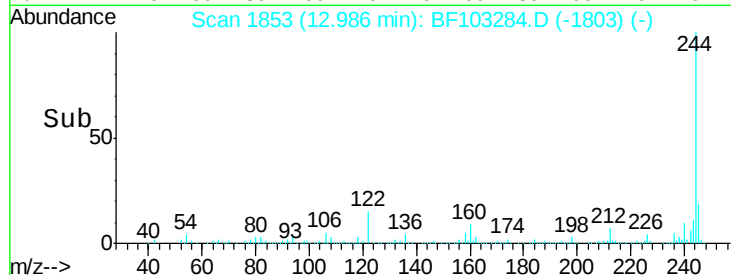
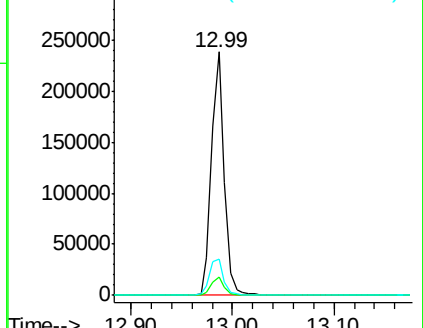
122 15.0 11.0 16.4



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: 7.06 ng

RT: 14.05 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

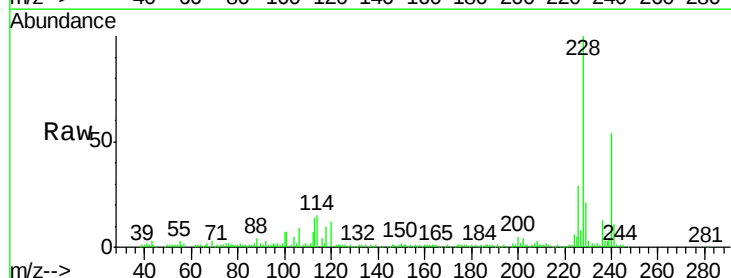
Tgt Ion:228 Resp: 111609

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

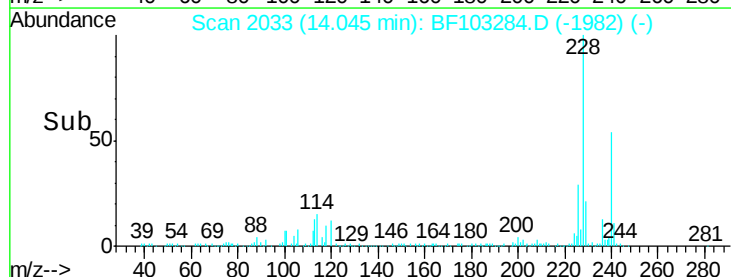
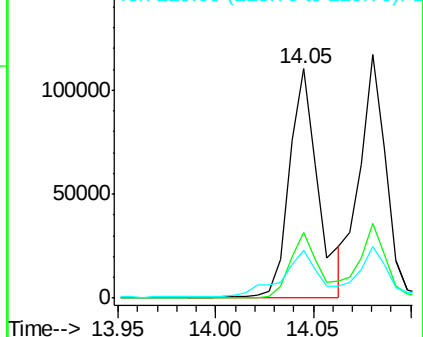
229 21.0 15.8 23.6

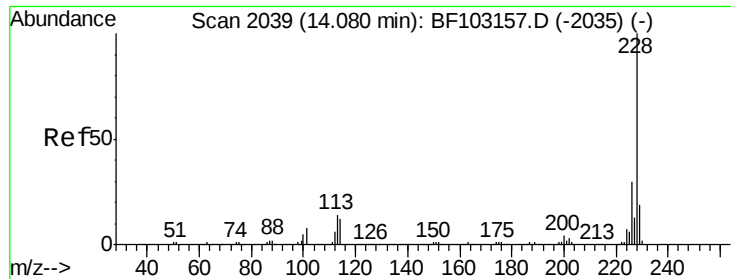


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.16 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Instrument :

BNA_F

ClientSampleId :

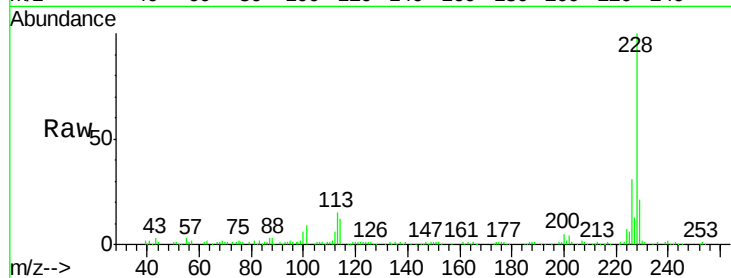
Tot Ion:228 Resp: 109978

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

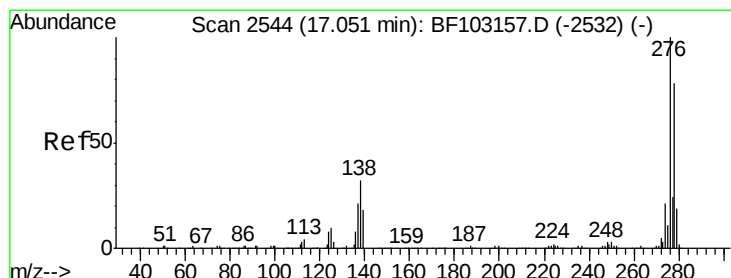
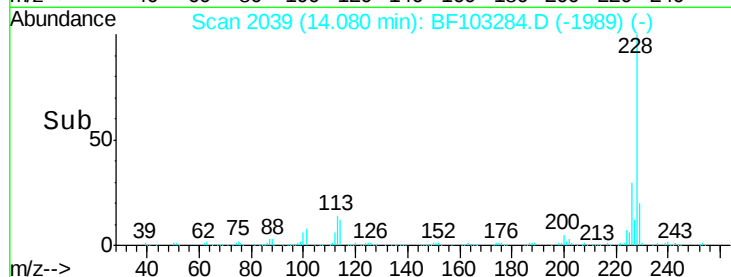
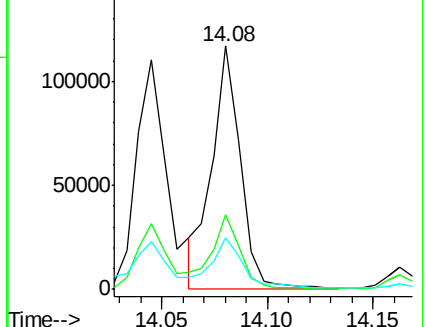
229 21.0 16.2 24.4



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: 2.97 ng

RT: 17.08 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

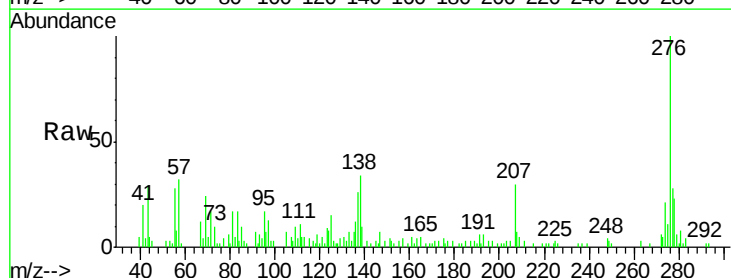
Tgt Ion:276 Resp: 36067

Ion Ratio Lower Upper

276 100

138 31.6 25.0 37.6

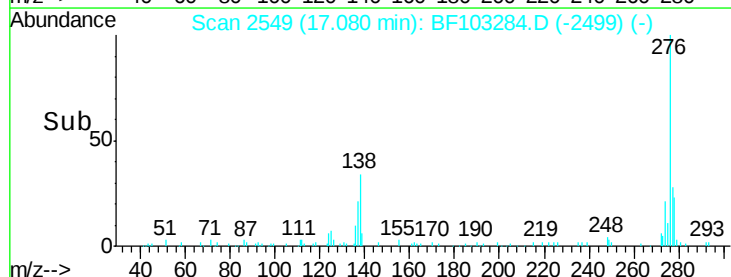
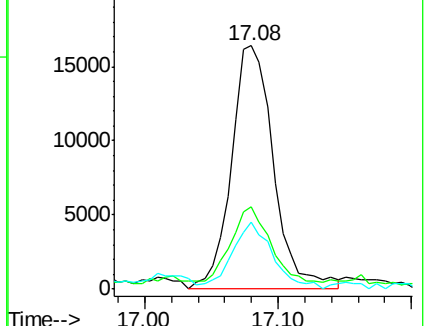
277 26.4 20.1 30.1

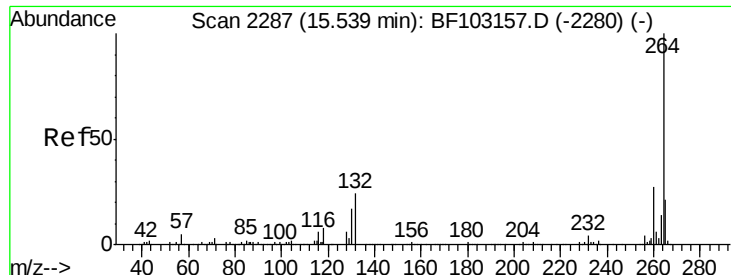


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

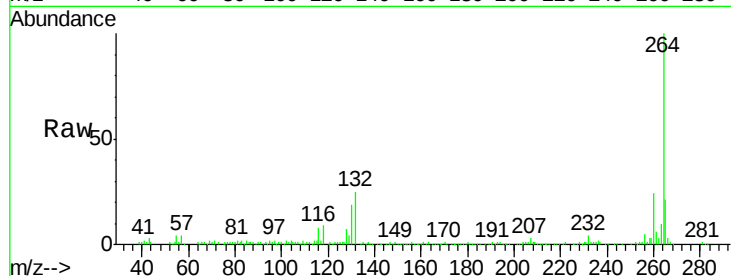




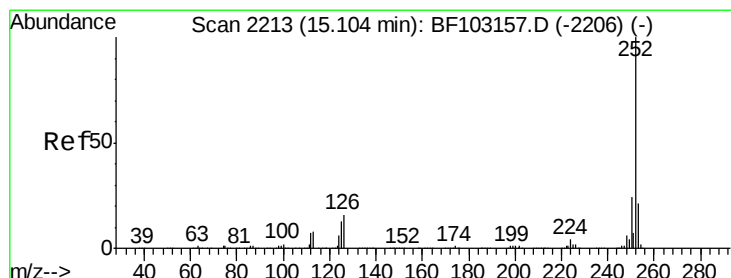
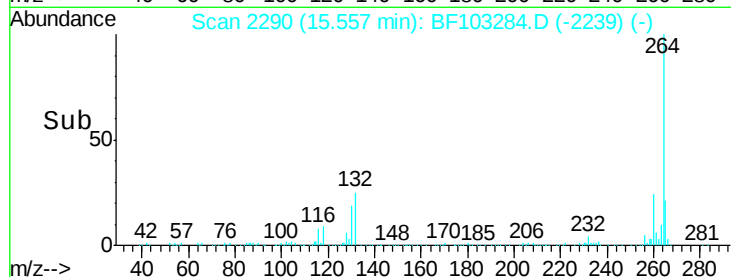
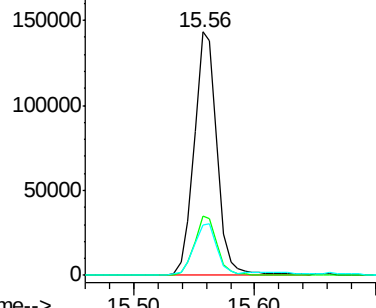
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 187424
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 20.8 17.5 26.3

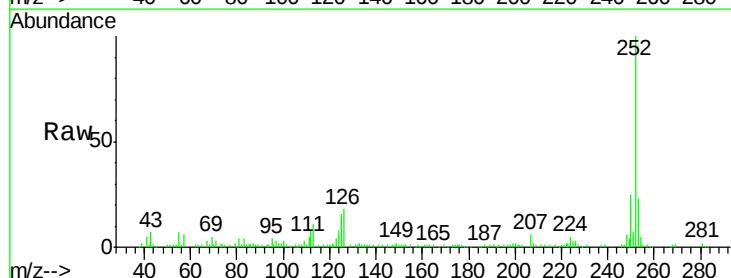


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

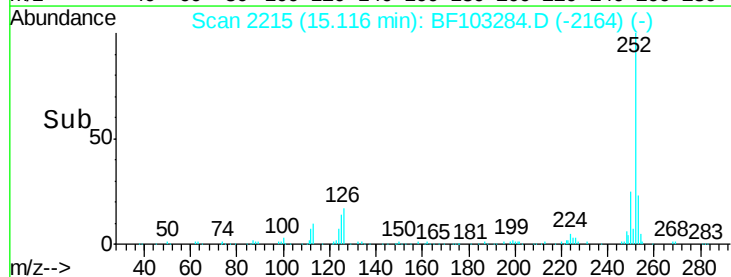
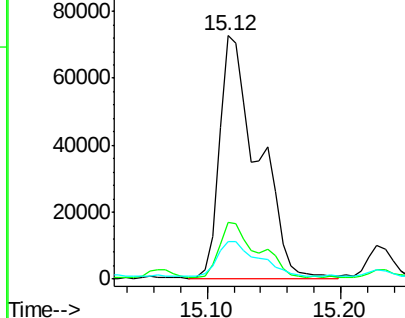


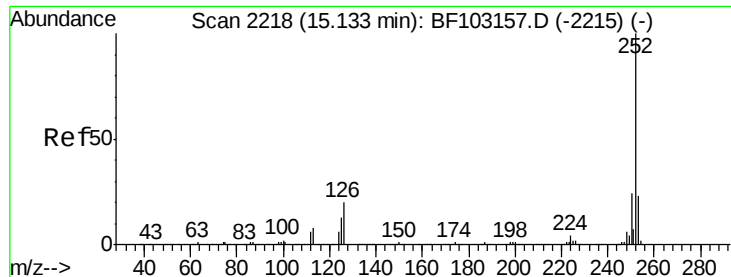
#87
Benzo(b)fluoranthene
Concen: 11.91 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion:252 Resp: 146812
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 15.7 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

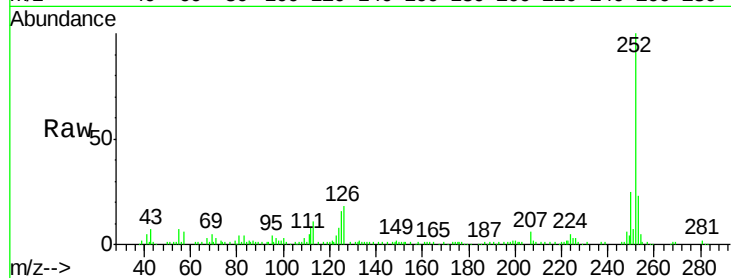




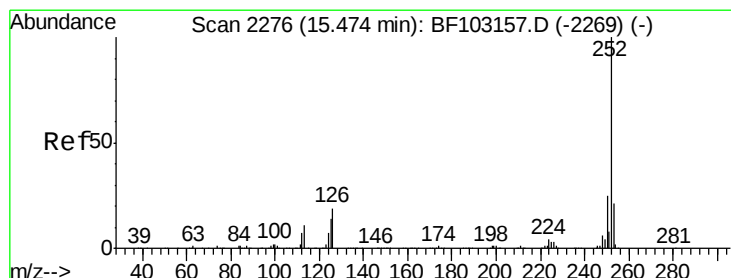
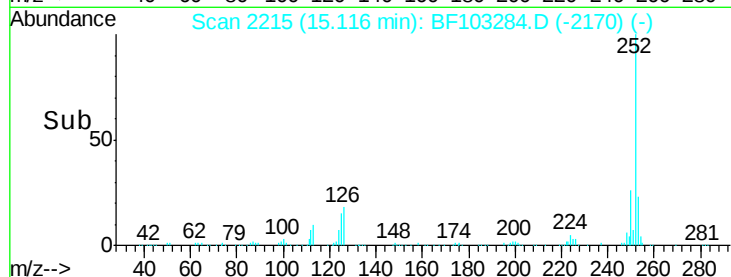
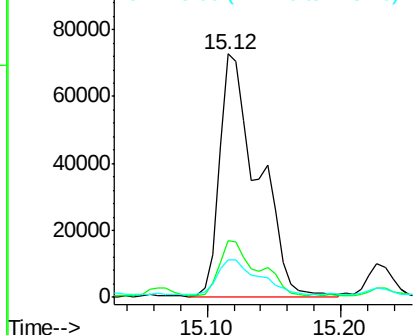
#88
Benzo(k)fluoranthene
Concen: 12.65 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.04 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	15.7	10.2	15.2#

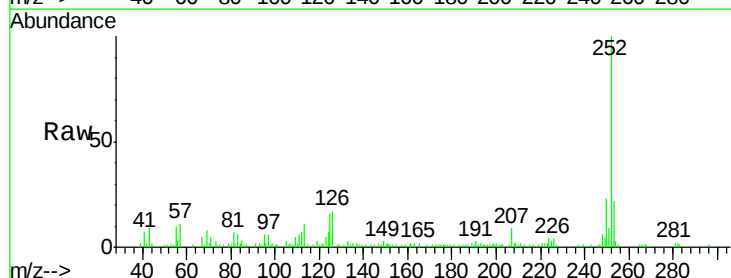


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

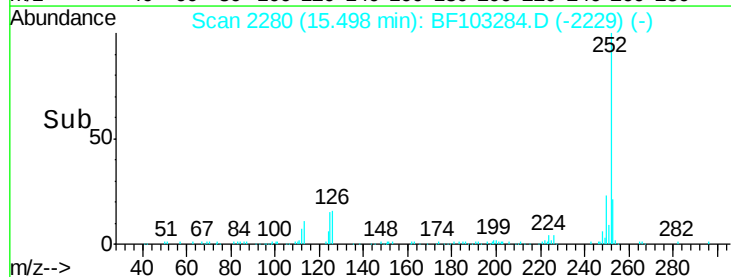
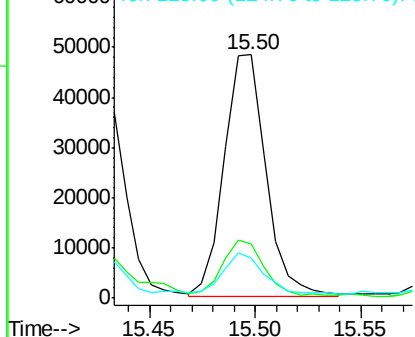


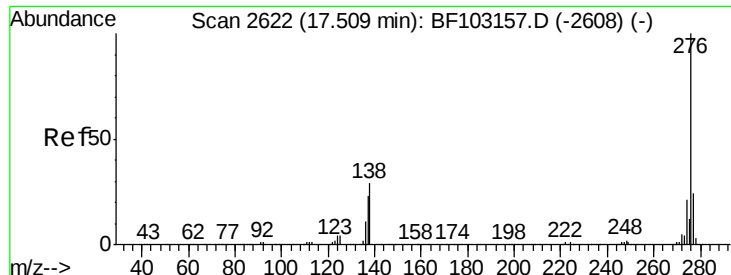
#89
Benzo(a)pyrene
Concen: 6.01 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	16.3	9.8	14.6#



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





#91

Benzo(a,h,i)perylene

Concen: 4.10 ng

RT: 17.54 min Scan# 2628

Delta R.T. 0.01 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Instrument :

BNA_F

ClientSampleId :

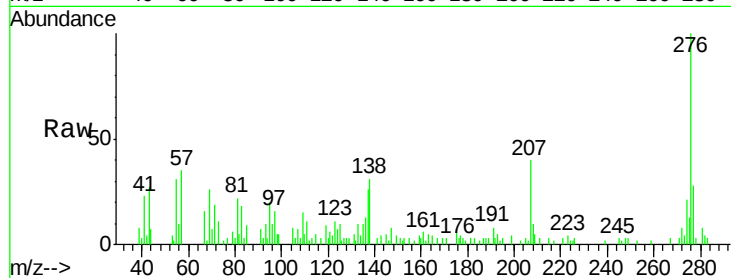
Tot Ion:276 Resp: 34072

Ion Ratio Lower Upper

276 100

277 27.9 17.9 26.9#

138 31.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

