

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103280.D
 Acq On : 27 Feb 2018 22:54
 Operator : SJ/JU
 Sample : J1703-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 00:03:32 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

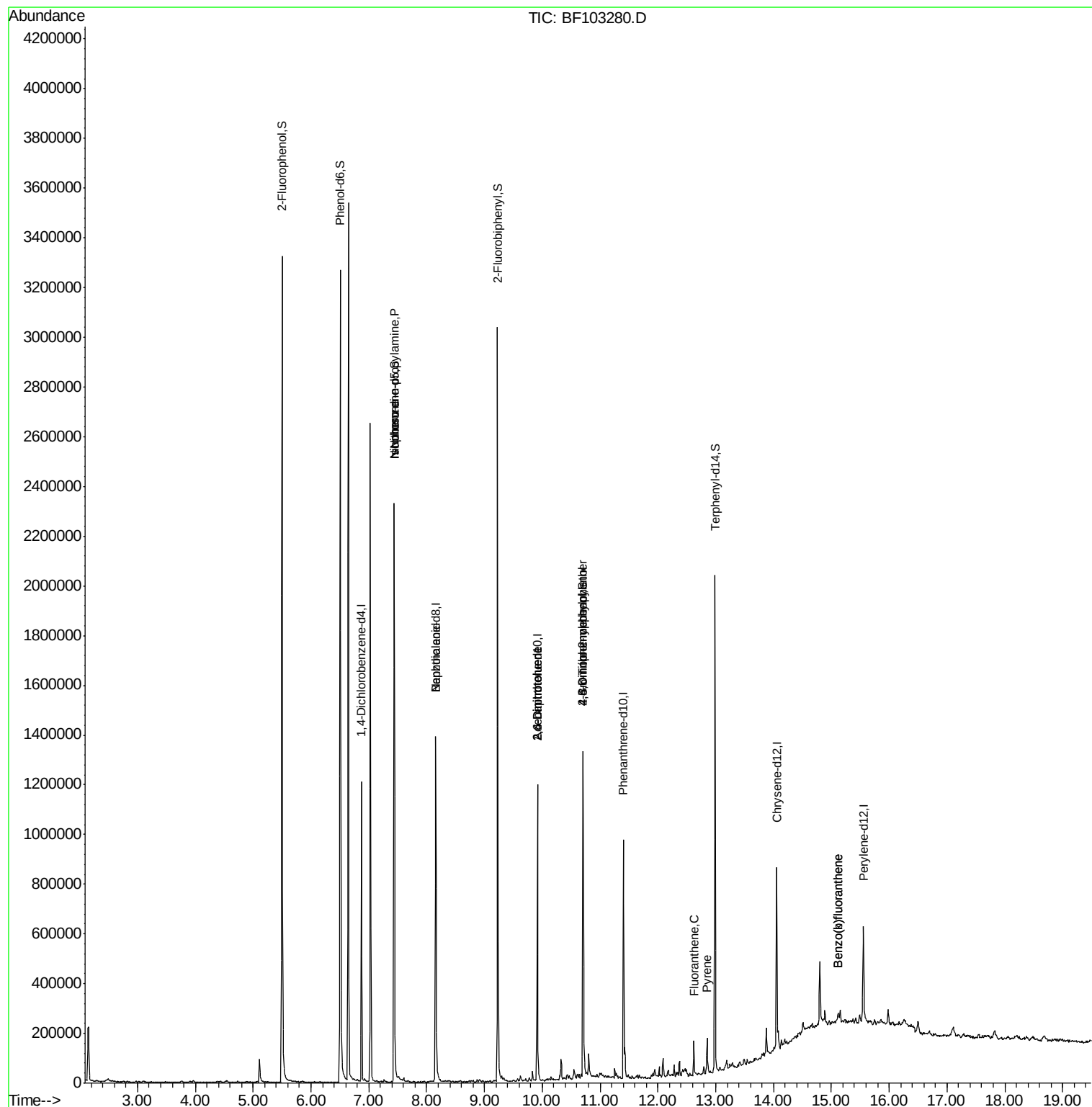
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	155896	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	614397	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	230756	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	338070	20.00	ng	0.00
75) Chrysene-d12	14.06	240	257767	20.00	ng	0.00
86) Perylene-d12	15.56	264	173854	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	971045	94.21	ng	0.00
7) Phenol-d6	6.51	99	1160595	92.02	ng	0.00
23) Nitrobenzene-d5	7.44	82	739264	68.71	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	142524	72.97	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	965356	68.84	ng	0.00
78) Terphenyl-d14	12.99	244	664199	61.94	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1892	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	100798	12.84	ng	85
25) Isophorone	7.44	82	739259	34.89	ng	64
32) Benzoic acid	8.16	122	123	6.93	ng	1
50) 2,6-Dinitrotoluene	9.92	165	29578	7.61	ng	27
56) 2,4-Dinitrotoluene	9.92	165	29578	6.02	ng	24
64) 4,6-Dinitro-2-methylphenol	10.70	198	266	5.06	ng	1
66) 4-Bromophenyl-phenylether	10.70	248	10352	2.94	ng	1
74) Fluoranthene	12.62	202	52624	2.81	ng	97
77) Pyrene	12.86	202	52561	2.62	ng	99
87) Benzo(b)fluoranthene	15.12	252	25562	2.24	ng	69
88) Benzo(k)fluoranthene	15.12	252	25562	2.37	ng	72

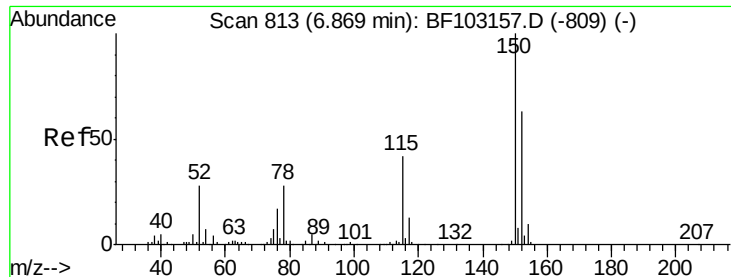
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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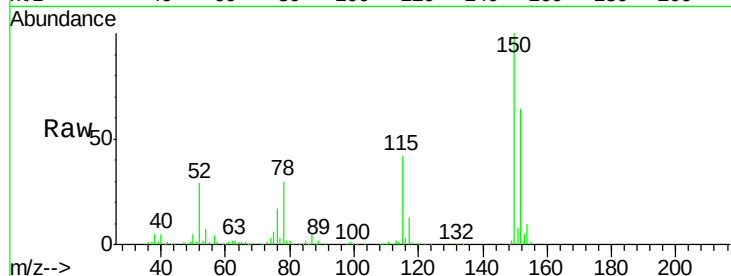


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103280.D
Acq: 27 Feb 2018 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	65.2	50.1	75.1

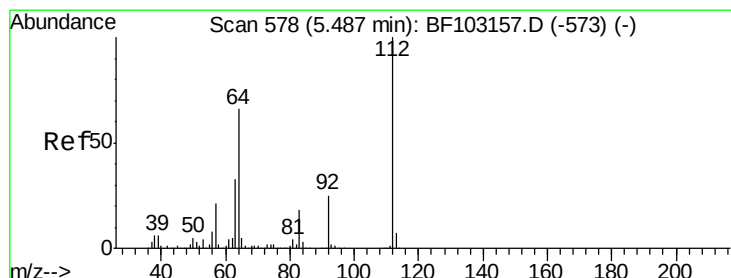
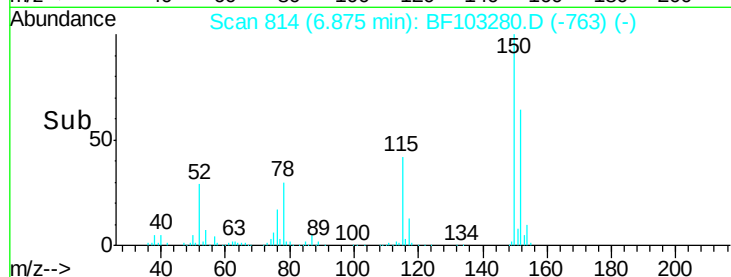
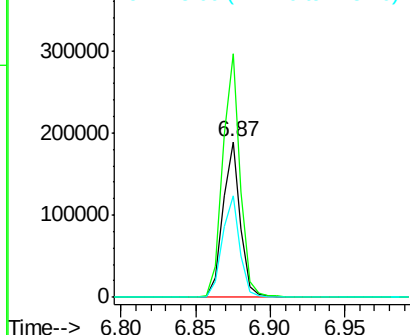


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

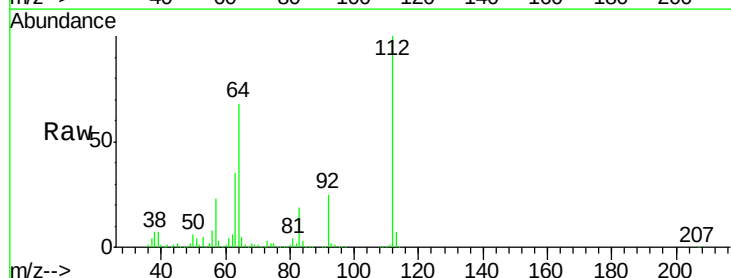
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.21 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103280.D
Acq: 27 Feb 2018 22:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	47.9	71.9
63	35.4	23.7	35.5

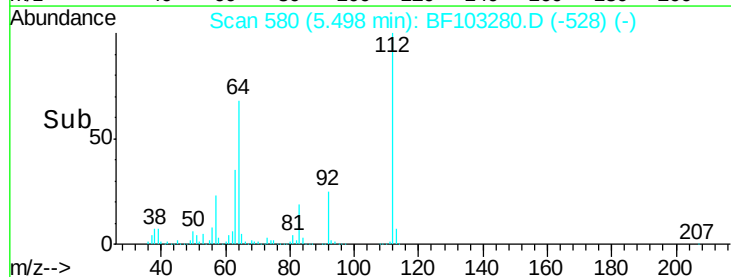
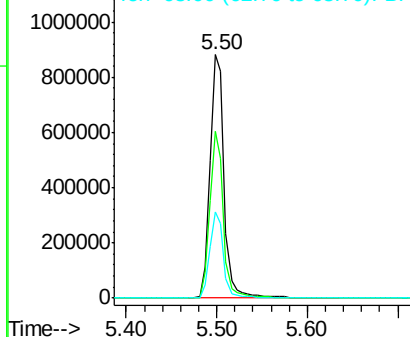


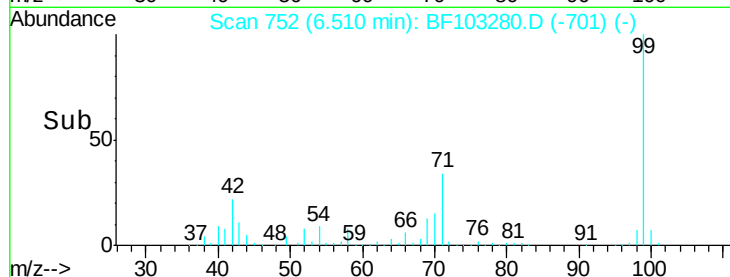
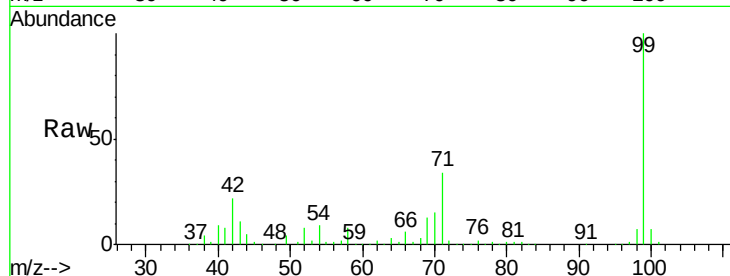
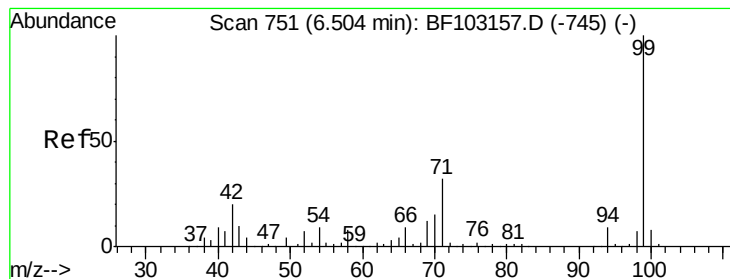
Abundance

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: 92.02 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103280.D

Acq: 27 Feb 2018 22:54

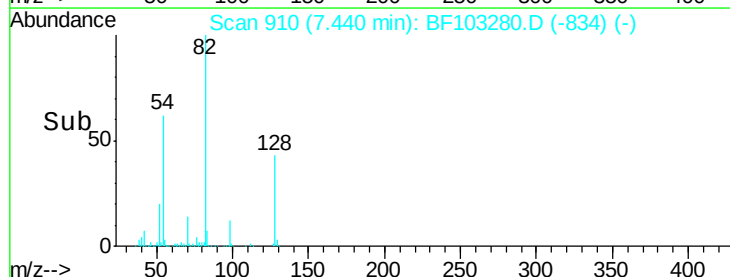
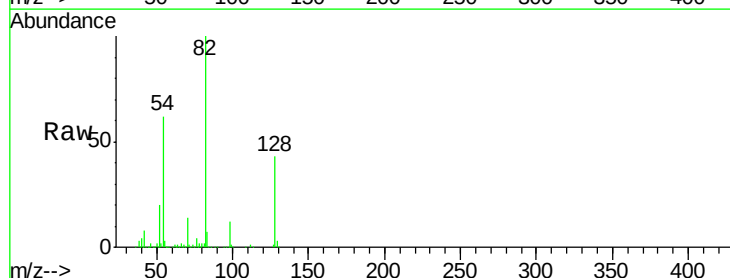
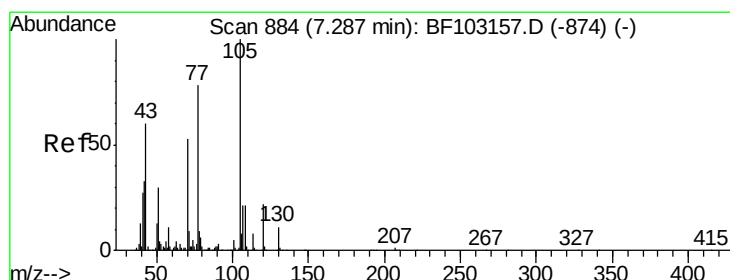
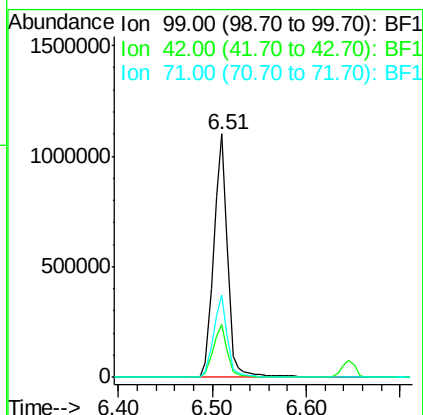
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1160595

Ion	Ratio	Lower	Upper
99	100		
42	21.9	14.5	21.7#
71	33.6	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.84 ng

RT: 7.44 min Scan# 910

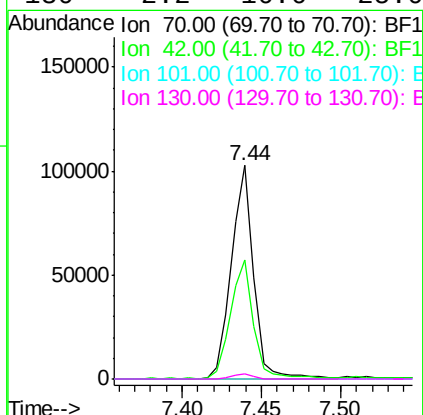
Delta R.T. 0.15 min

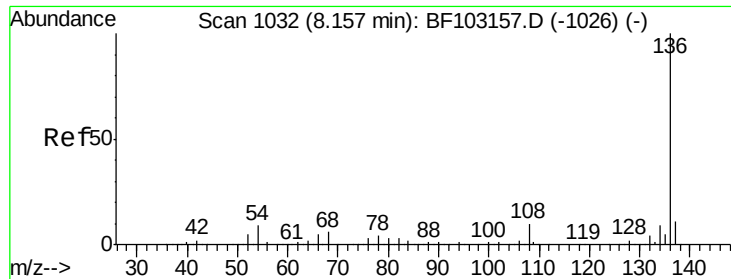
Lab File: BF103280.D

Acq: 27 Feb 2018 22:54

Tgt Ion: 70 Resp: 100798

Ion	Ratio	Lower	Upper
70	100		
42	55.5	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#

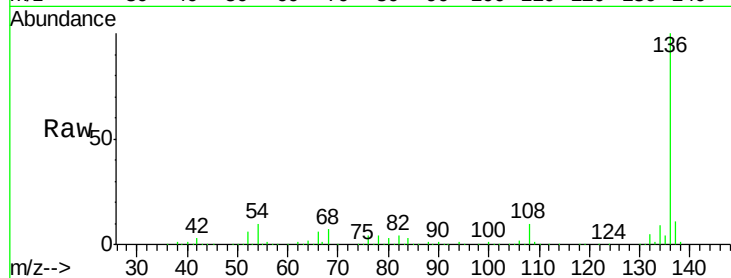




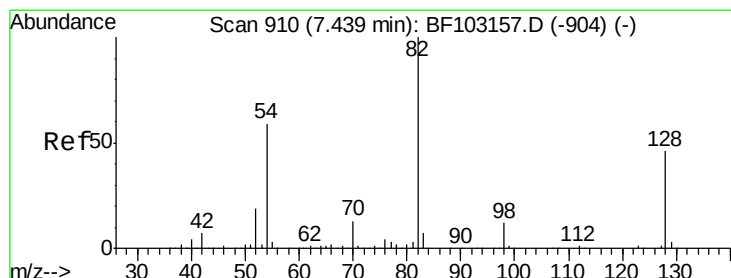
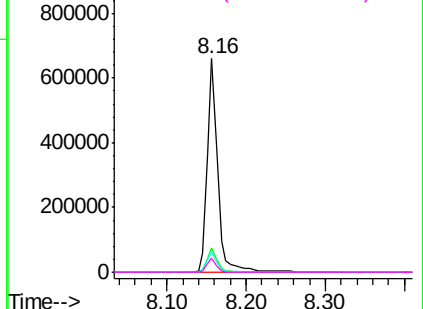
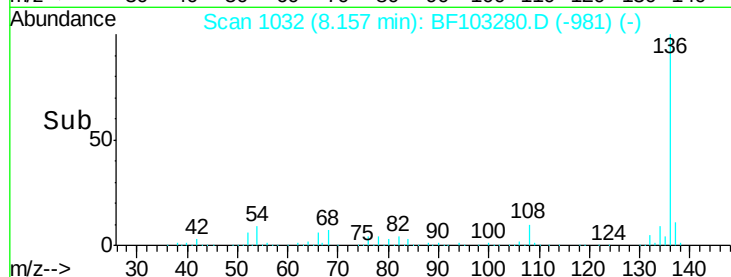
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103280.D
Acq: 27 Feb 2018 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	614397	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	8.9	13.3	
54 9.5	6.6	9.8	
68 6.6	5.0	7.4	

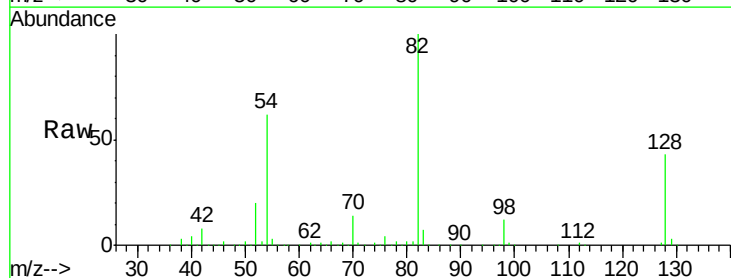


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

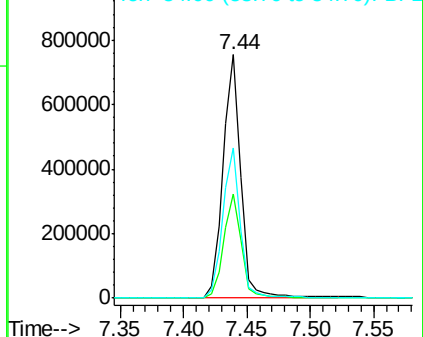
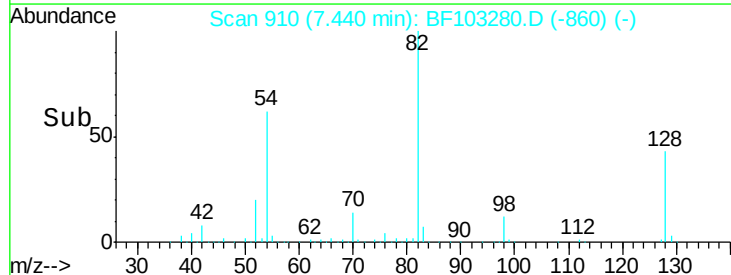


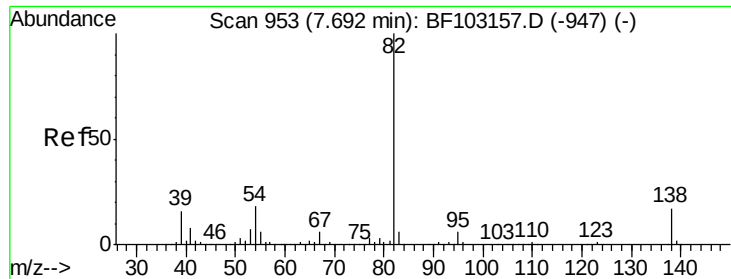
#23
Nitrobenzene-d5
Concen: 68.71 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103280.D
Acq: 27 Feb 2018 22:54

Tgt Ion: 82	Resp: 739264
Ion Ratio	Lower Upper
82 100	
128 43.0	36.1 54.1
54 61.7	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: 34.89 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103280.D

Acq: 27 Feb 2018 22:54

Instrument :

BNA_F

ClientSampled :

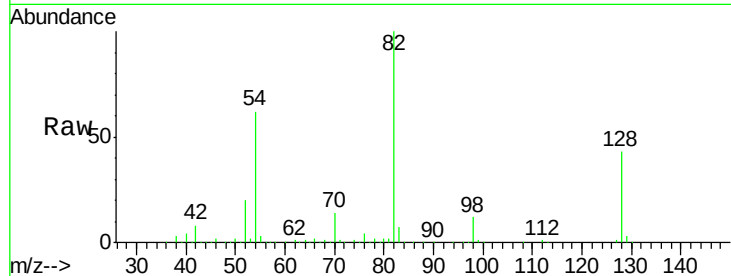
Tot Ion: 82 Resp: 739259

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

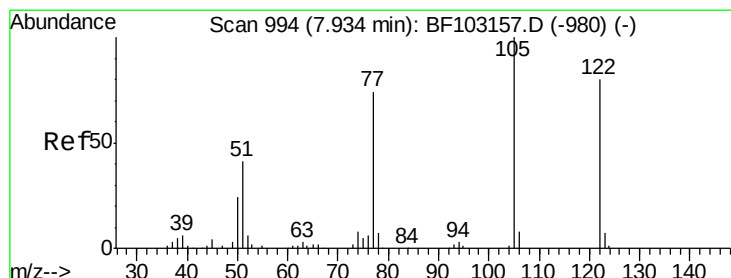
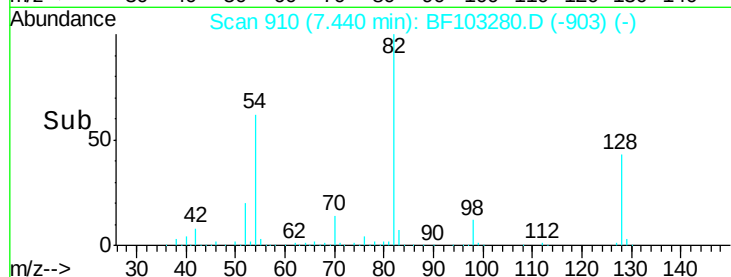
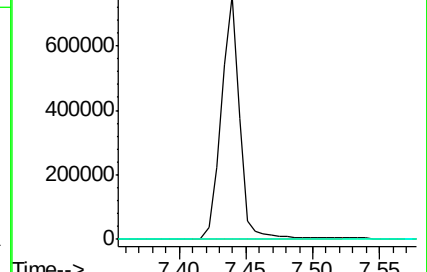
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.93 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.21 min

Lab File: BF103280.D

Acq: 27 Feb 2018 22:54

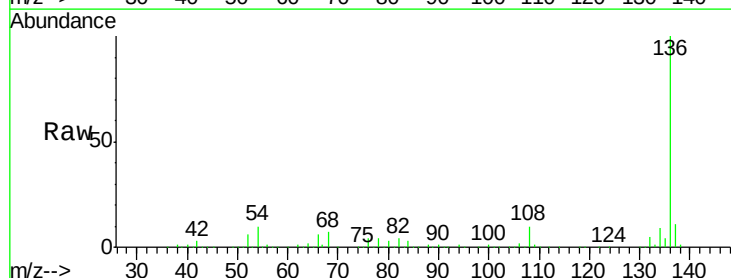
Tgt Ion: 122 Resp: 123

Ion Ratio Lower Upper

122 100

105 225.3 101.1 141.1#

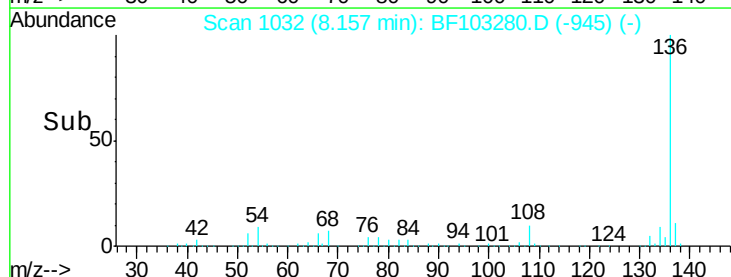
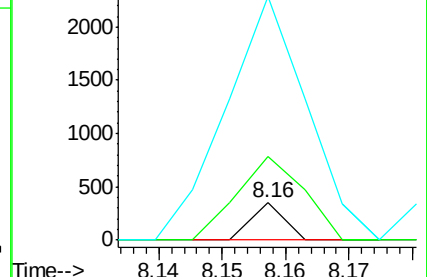
77 656.9 70.7 110.7#

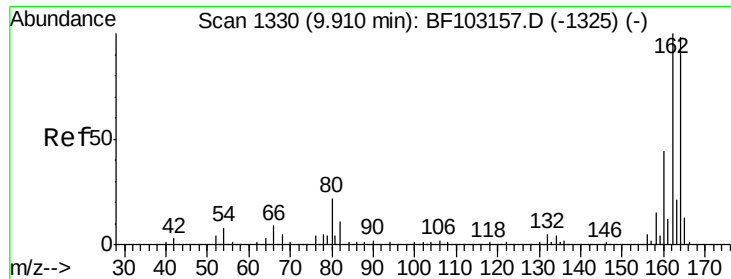


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

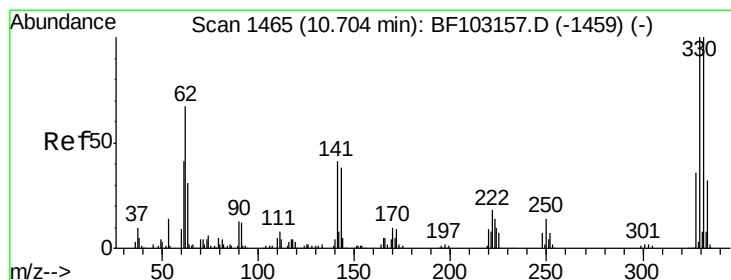
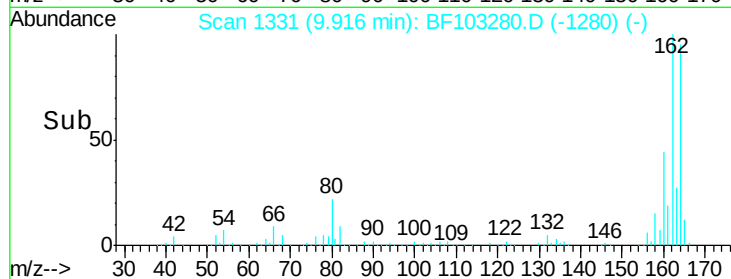
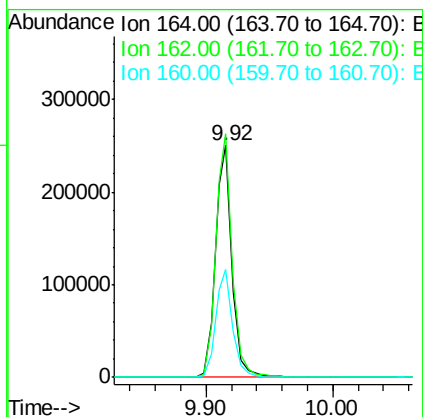
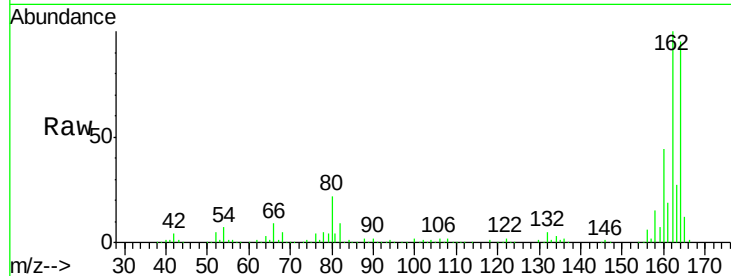




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103280.D
Acq: 27 Feb 2018 22:54

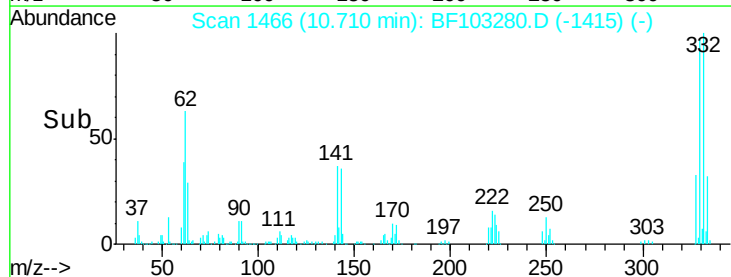
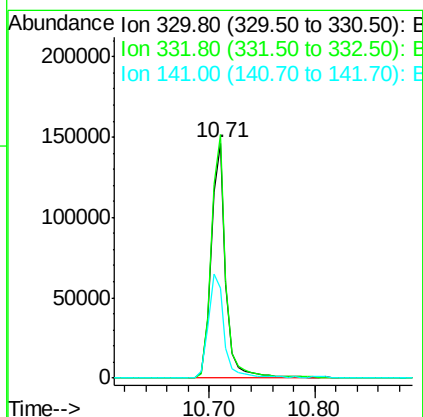
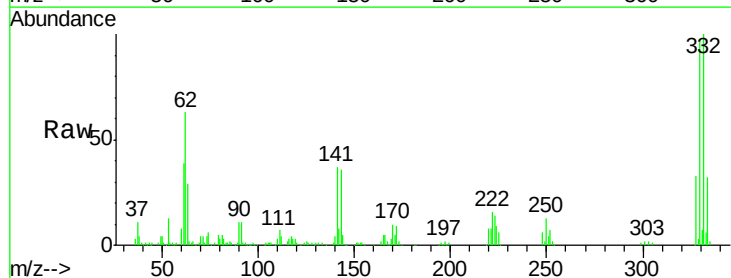
Instrument :
BNA_F
ClientSampleId :

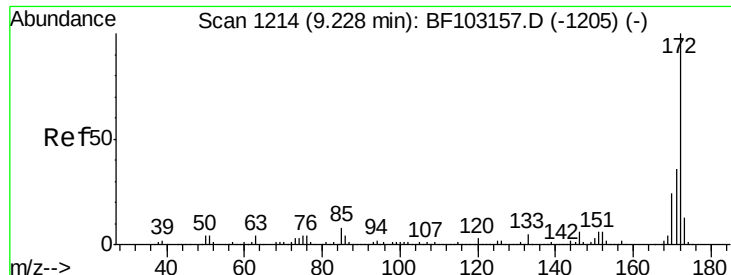
Tot Ion:164 Resp: 230756
Ion Ratio Lower Upper
164 100
162 105.0 86.1 129.1
160 46.4 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 72.97 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BF103280.D
Acq: 27 Feb 2018 22:54

Tgt Ion:330 Resp: 142524
Ion Ratio Lower Upper
330 100
332 103.3 77.0 115.6
141 48.7 29.9 44.9#

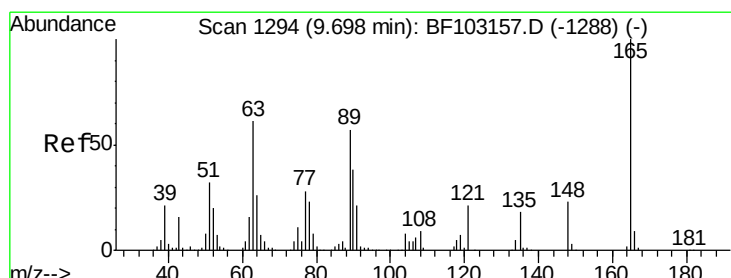
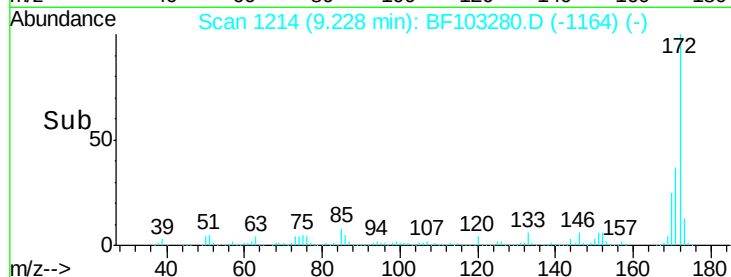
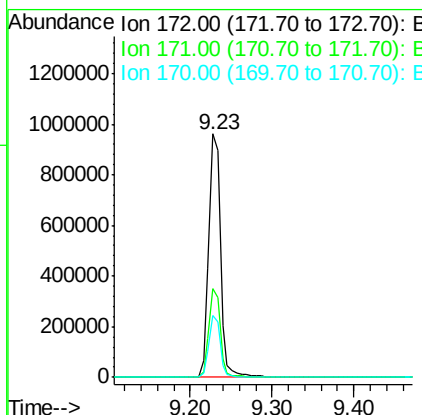
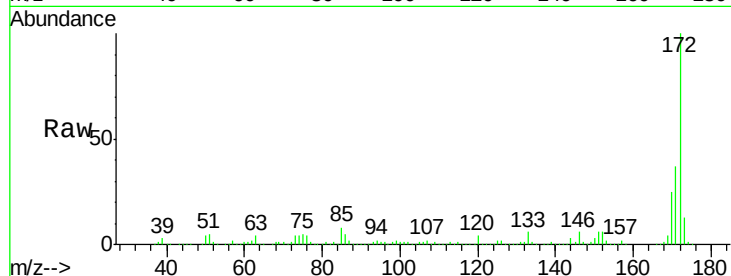




#44
 2-Fluorobiphenyl
 Concen: 68.84 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103280.D
 Acq: 27 Feb 2018 22:54

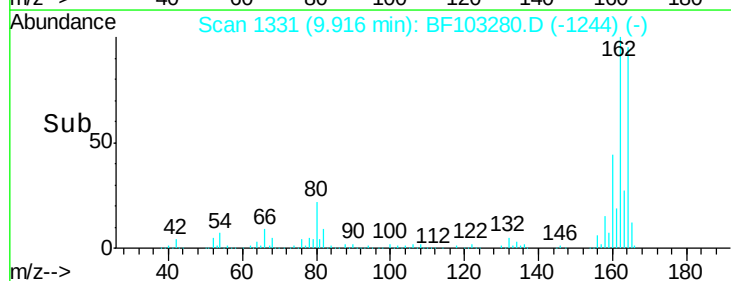
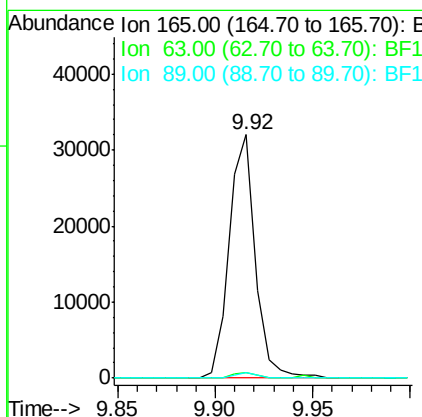
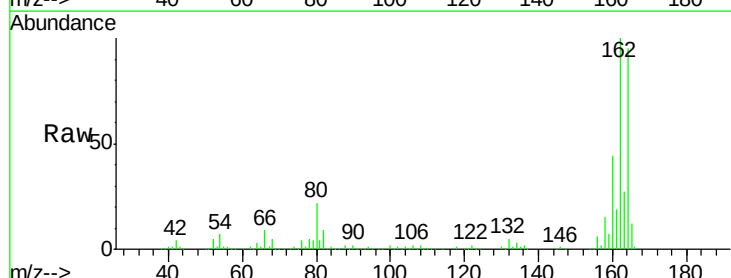
Instrument :
 BNA_F
 ClientSampleId :

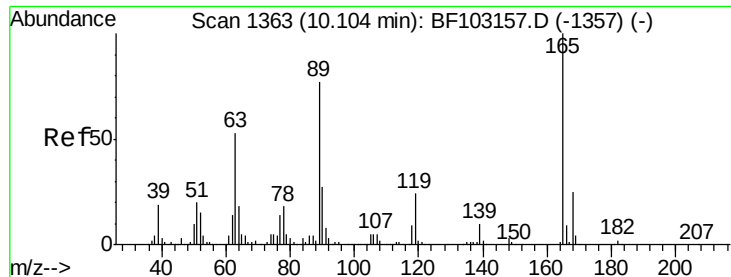
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	25.3	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.61 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103280.D
 Acq: 27 Feb 2018 22:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	44.7	67.1#
89	2.2	44.0	66.0#





#56

2,4-Dinitrotoluene

Concen: 6.02 ng

RT: 9.92 min Scan# 1331

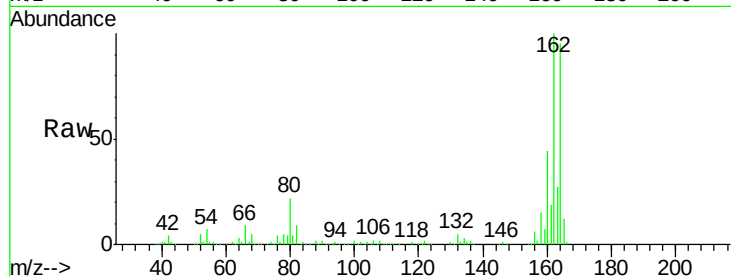
Delta R.T. -0.19 min

Lab File: BF103280.D

Acq: 27 Feb 2018 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	29578
Ion Ratio	Lower	Upper
165	100	
63	2.3	36.4 54.6#
89	2.2	57.8 86.6#
182	0.0	1.6 2.4#

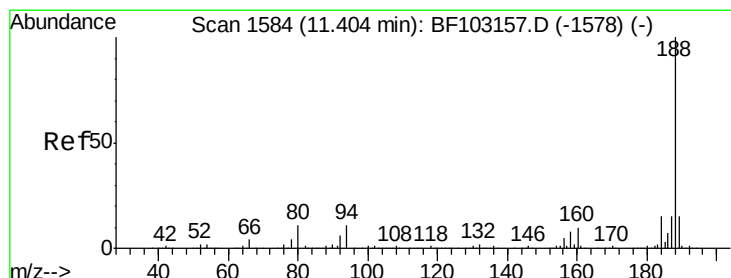
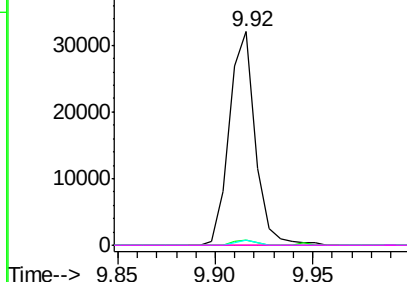
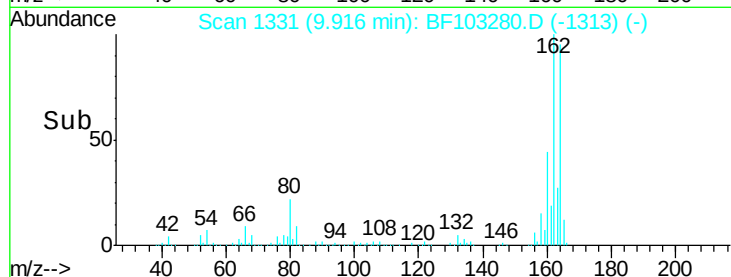


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

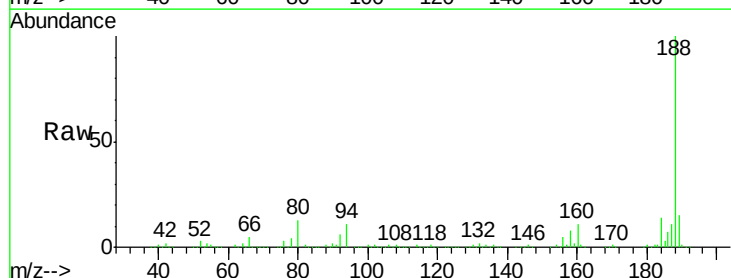
RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF103280.D

Acq: 27 Feb 2018 22:54

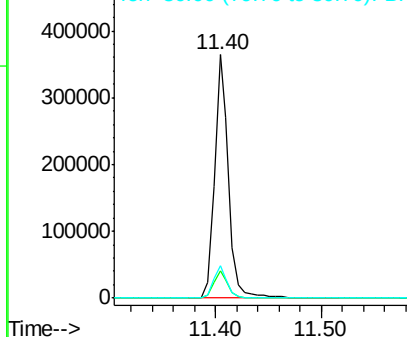
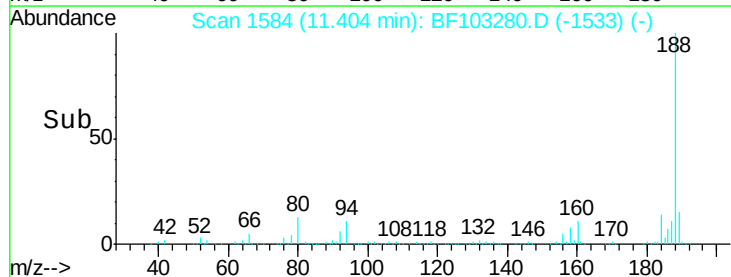
Tgt Ion:188	Resp:	338070
Ion Ratio	Lower	Upper
188	100	
94	11.4	8.5 12.7
80	13.1	9.2 13.8

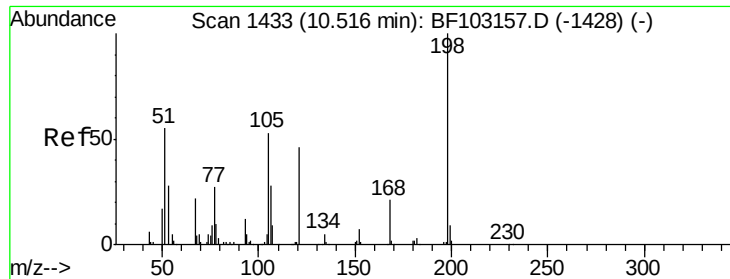


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

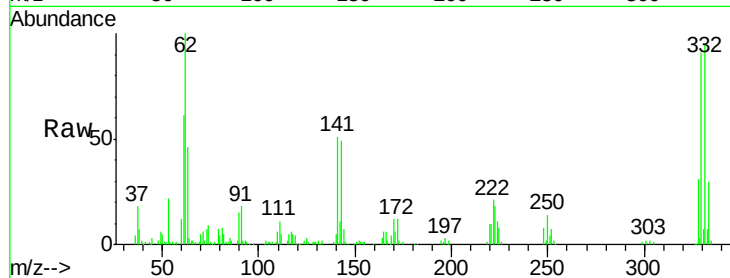




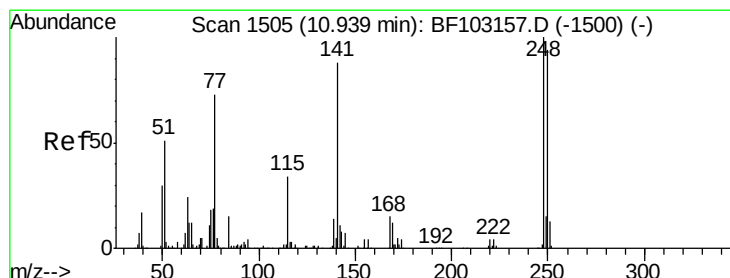
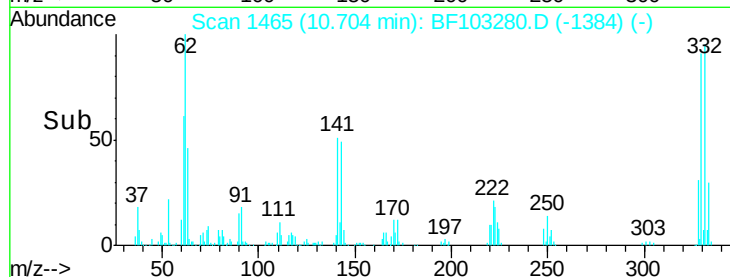
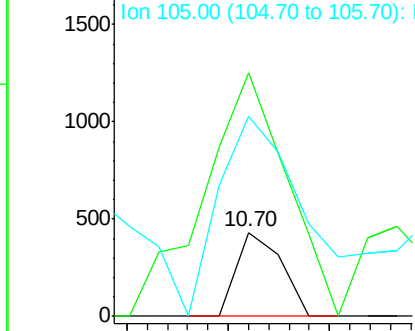
#64
4,6-Dinitro-2-methylphenol
Concen: 5.06 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103280.D
Acq: 27 Feb 2018 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 266
Ion Ratio Lower Upper
198 100
51 289.8 37.7 77.7#
105 238.4 36.3 76.3#

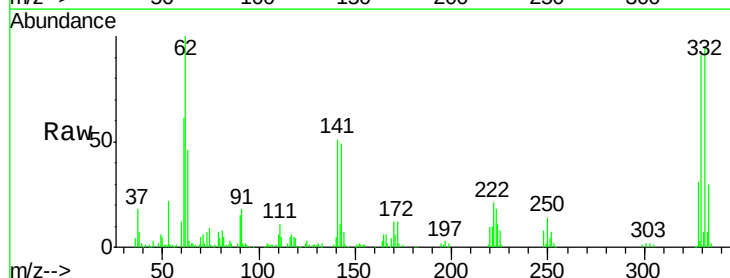


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

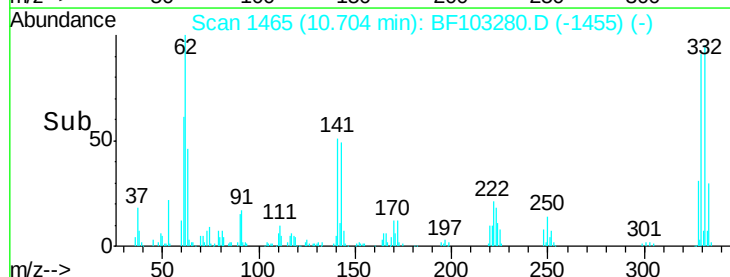
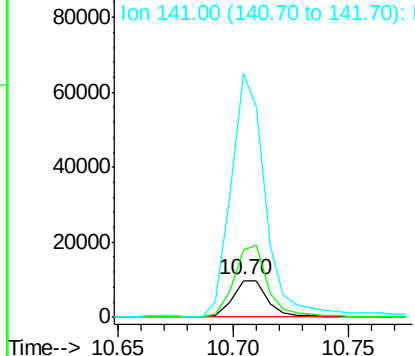


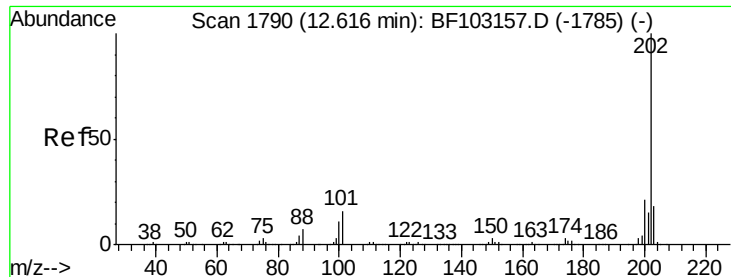
#66
4-Bromophenyl-phenylether
Concen: 2.94 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF103280.D
Acq: 27 Feb 2018 22:54

Tgt Ion:248 Resp: 10352
Ion Ratio Lower Upper
248 100
250 185.9 76.9 115.3#
141 671.9 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





#74

Fluoranthene

Concen: 2.81 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103280.D

Acq: 27 Feb 2018 22:54

Instrument :

BNA_F

ClientSampleId :

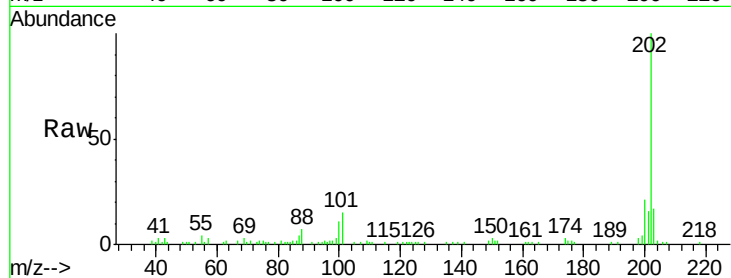
Tot Ion:202 Resp: 52624

Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.1

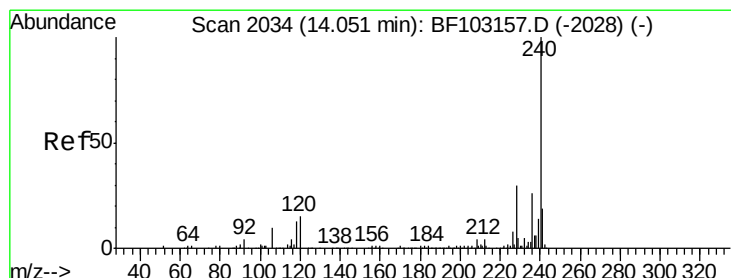
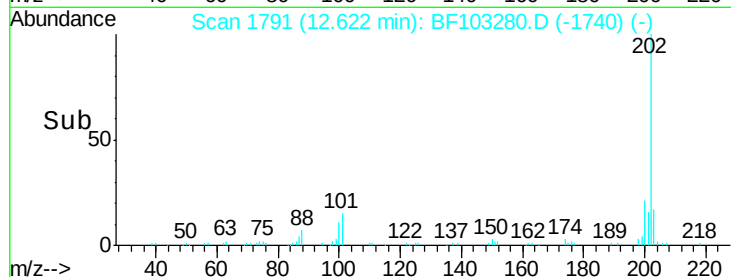
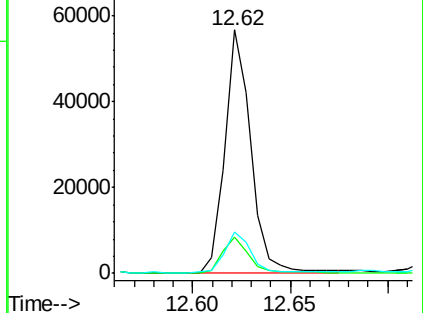
203 16.8 0.0 38.1



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: BF103280.D

Acq: 27 Feb 2018 22:54

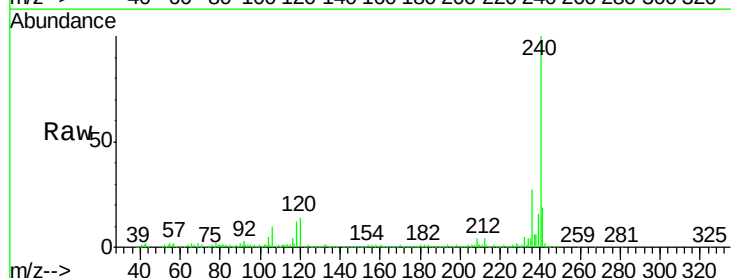
Tgt Ion:240 Resp: 257767

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

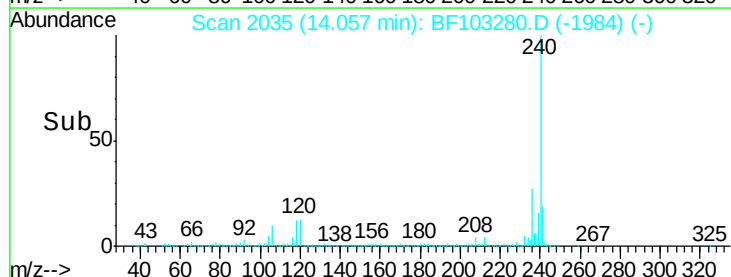
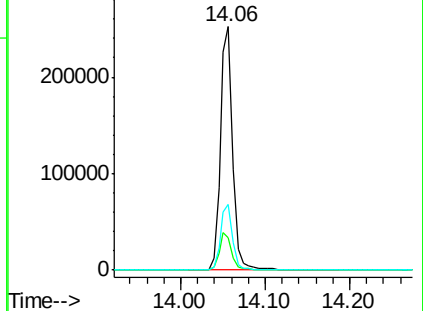
236 27.0 20.7 31.1

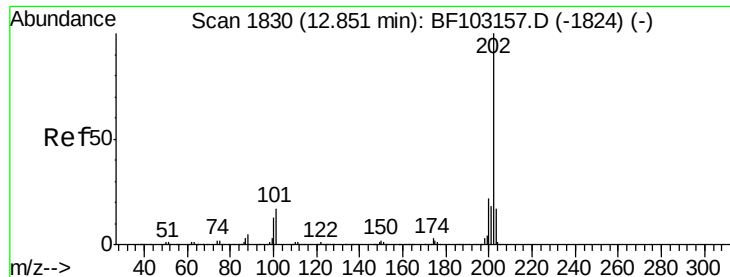


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

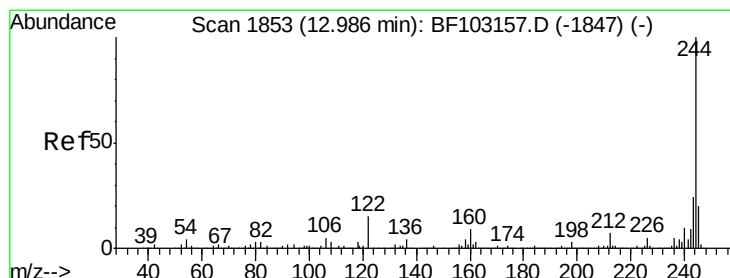
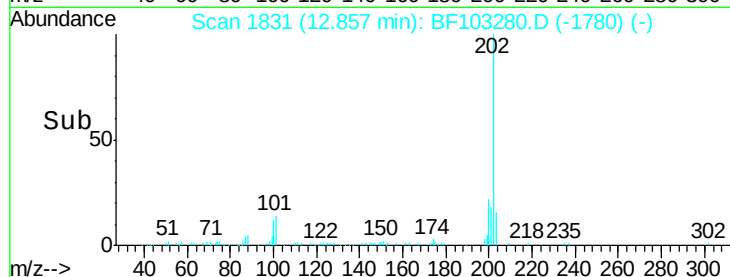
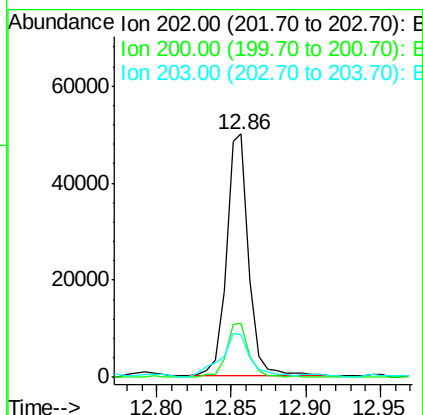
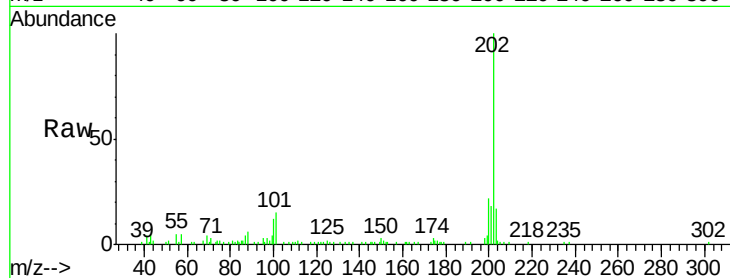




#77
Pvrene
Concen: 2.62 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF103280.D
Acq: 27 Feb 2018 22:54

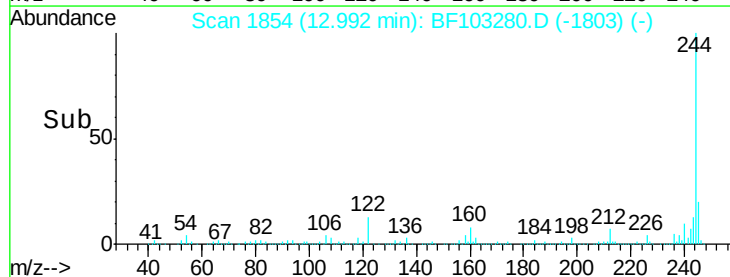
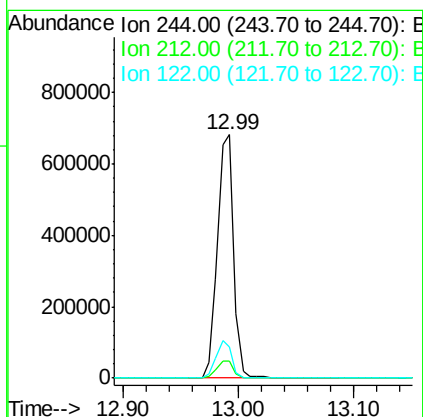
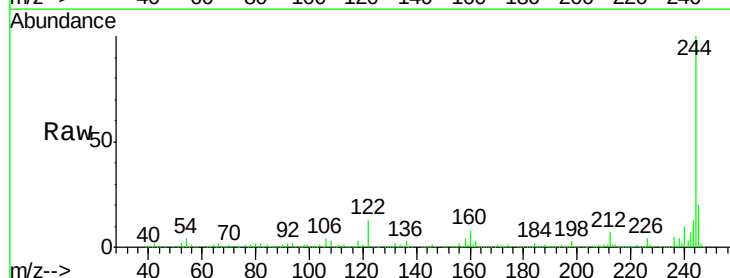
Instrument :
BNA_F
ClientSampleId :

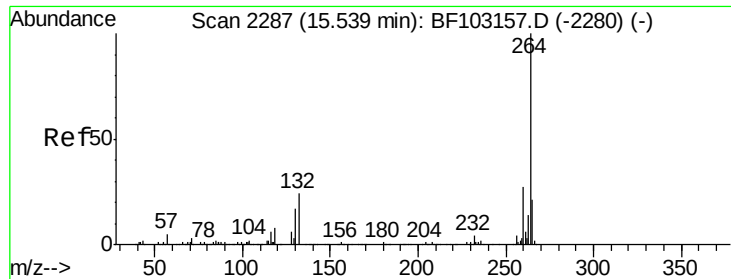
Tot Ion:202 Resp: 52561
Ion Ratio Lower Upper
202 100
200 22.1 17.4 26.2
203 17.3 14.3 21.5



#78
Terphenyl-d14
Concen: 61.94 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BF103280.D
Acq: 27 Feb 2018 22:54

Tgt Ion:244 Resp: 664199
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 12.7 11.0 16.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.00 min

Lab File: BF103280.D

Acq: 27 Feb 2018 22:54

Instrument :

BNA_F

ClientSampleId :

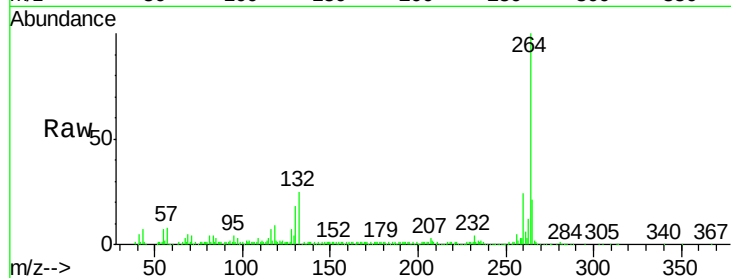
Tot Ion:264 Resp: 173854

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

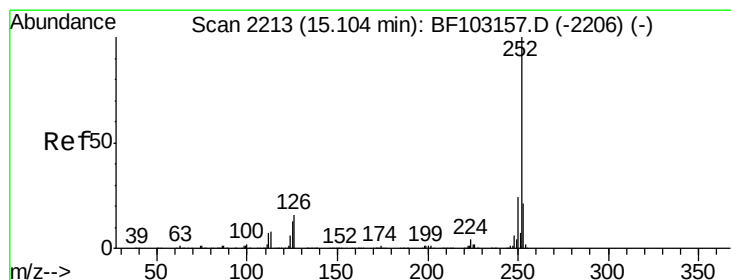
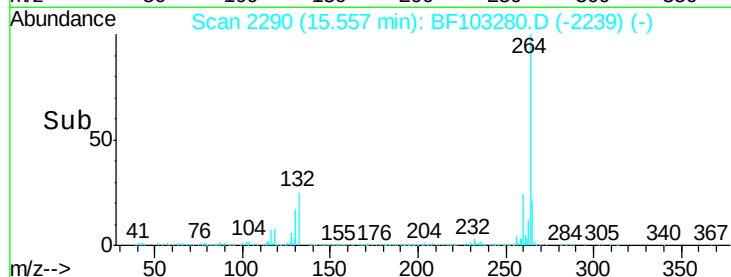
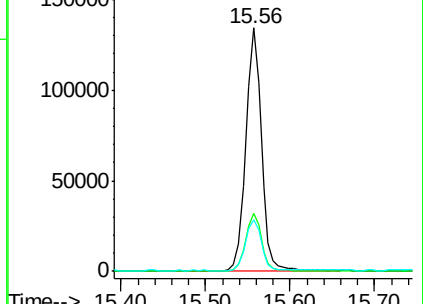
265 21.4 17.5 26.3



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: 2.24 ng

RT: 15.12 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BF103280.D

Acq: 27 Feb 2018 22:54

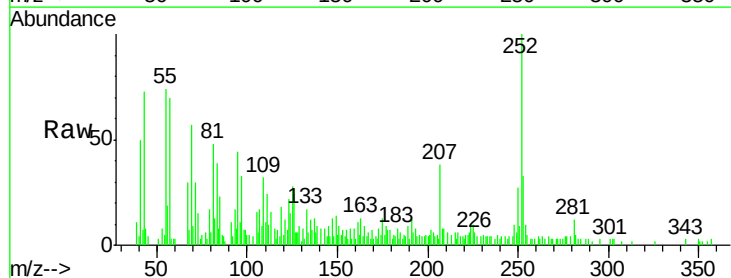
Tgt Ion:252 Resp: 25562

Ion Ratio Lower Upper

252 100

253 32.6 17.0 25.6#

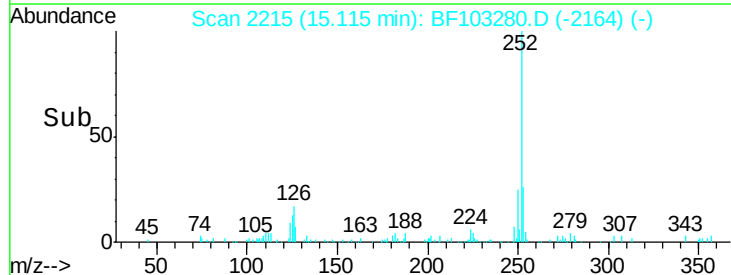
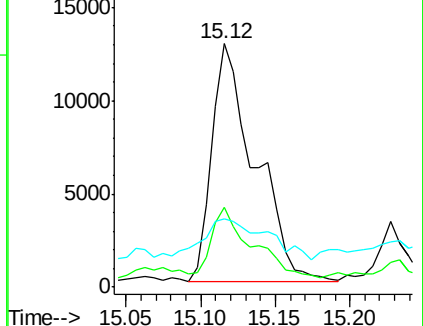
125 28.0 9.0 13.6#

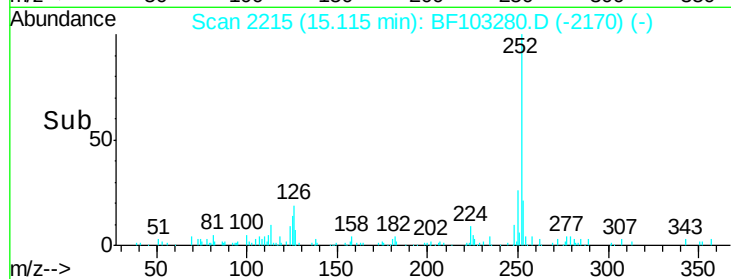
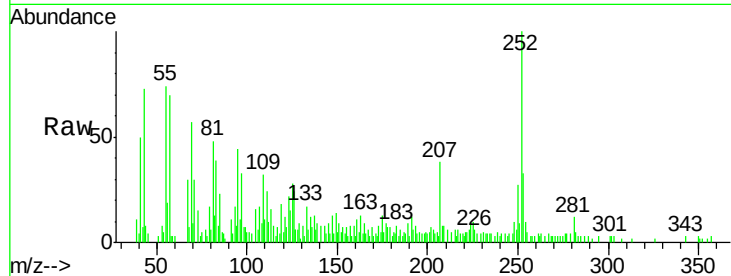
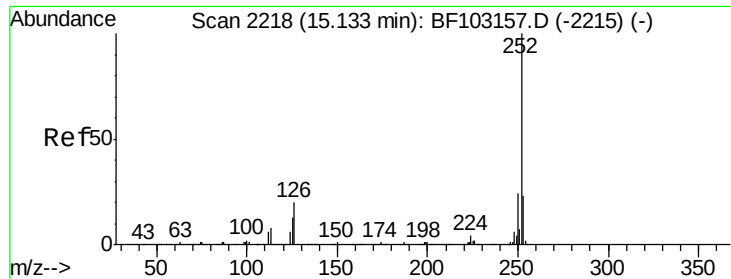


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.37 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.04 min

Lab File: BF103280.D

Acq: 27 Feb 2018 22:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 25562

Ion Ratio Lower Upper

252 100

253 32.6 17.9 26.9#

125 28.0 10.2 15.2#

