

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012318\
 Data File : BF102377.D
 Acq On : 24 Jan 2018 8:23
 Operator : SJ/JU
 Sample : J1236-01 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 24 10:06:00 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

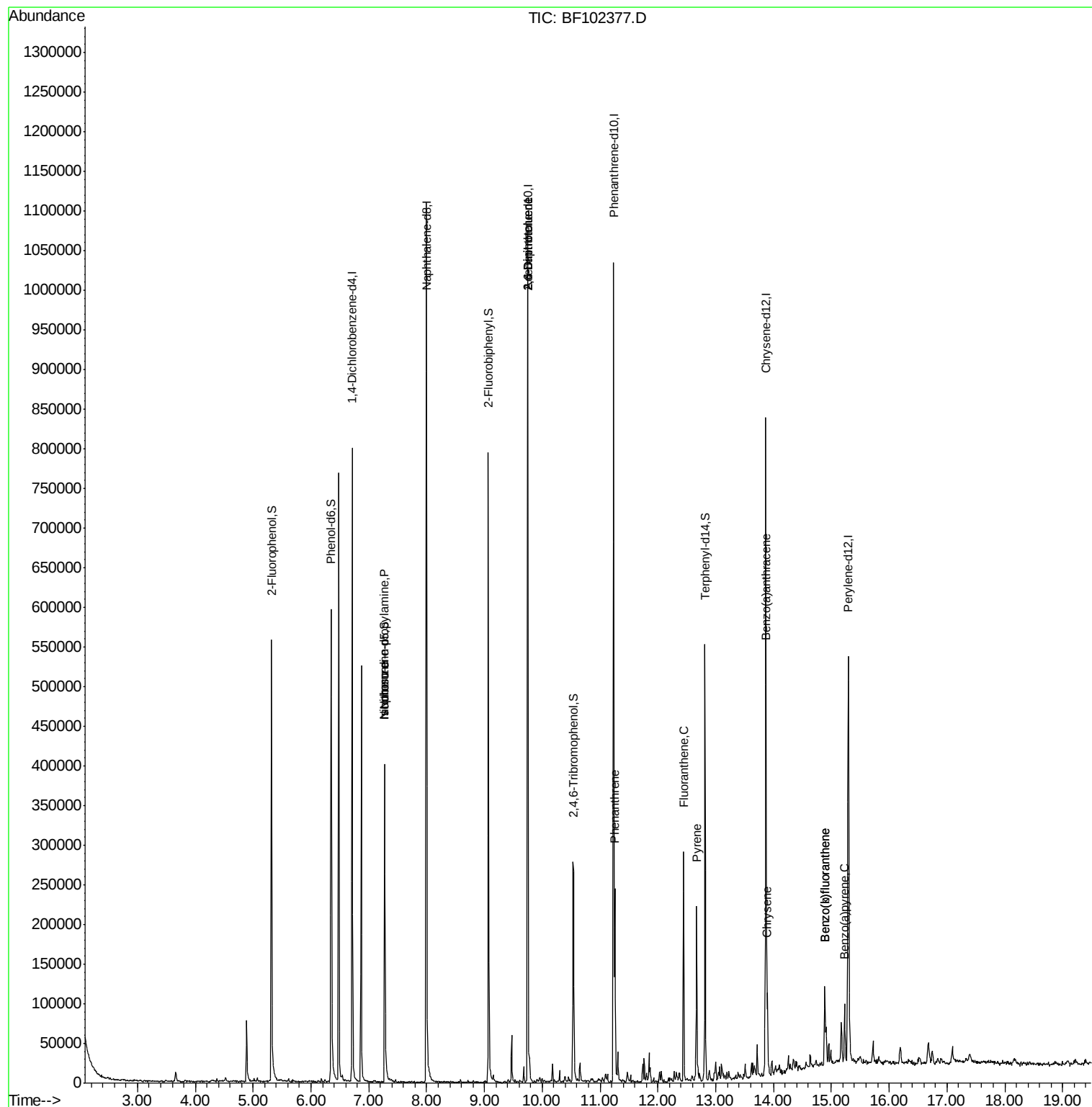
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	126656	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	534531	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	231826	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	354679	20.00	ng	0.00
75) Chrysene-d12	13.87	240	255789	20.00	ng	0.00
86) Perylene-d12	15.29	264	232514	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	173836	20.81	ng	0.00
7) Phenol-d6	6.35	99	224897	22.33	ng	-0.01
23) Nitrobenzene-d5	7.27	82	131616	14.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	36430	15.86	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	255141	16.18	ng	-0.01
78) Terphenyl-d14	12.82	244	168791	14.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	17535	2.845	ng	# 78
25) Isophorone	7.27	82	131614	7.937	ng	# 64
50) 2,6-Dinitrotoluene	9.75	165	28980	7.015	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	28980	5.704	ng	# 23
70) Phenanthrene	11.26	178	84942	4.110	ng	99
74) Fluoranthene	12.45	202	115914	5.500	ng	95
77) Pyrene	12.67	202	97295	4.920	ng	97
80) Benzo(a)anthracene	13.86	228	42692	2.711	ng	97
82) Chrysene	13.90	228	44208	2.764	ng	93
87) Benzo(b)fluoranthene	14.89	252	62796	4.167	ng	97
88) Benzo(k)fluoranthene	14.89	252	62796	4.410	ng	99
89) Benzo(a)pyrene	15.23	252	31777	2.338	ng	98

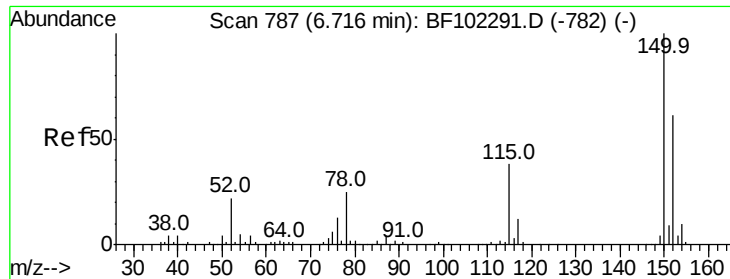
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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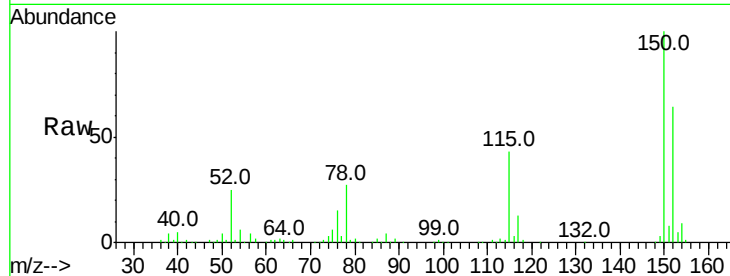


#1

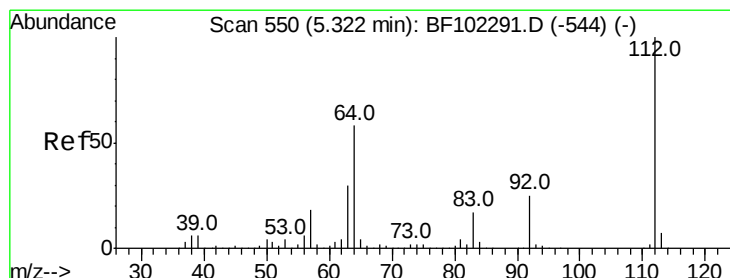
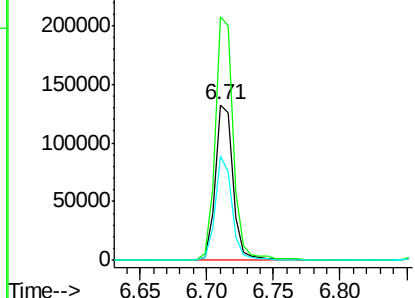
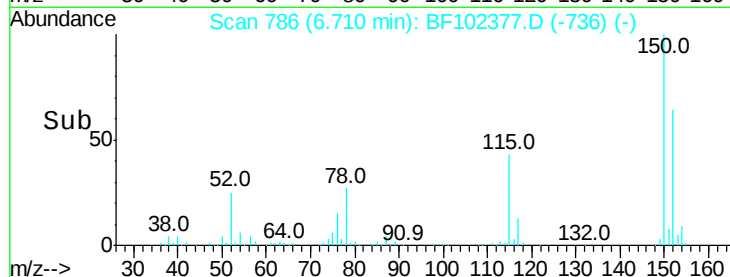
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102377.D
 Acq: 24 Jan 2018 8:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 126656
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.6 186.8
 115 66.7 50.1 75.1



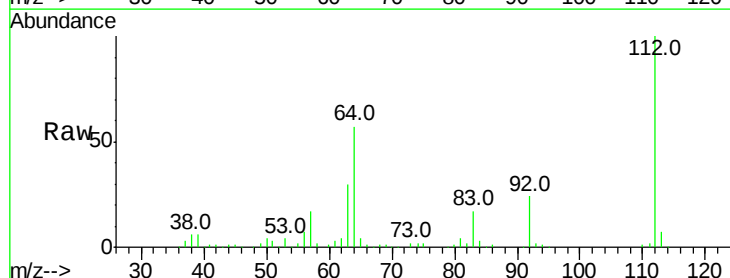
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



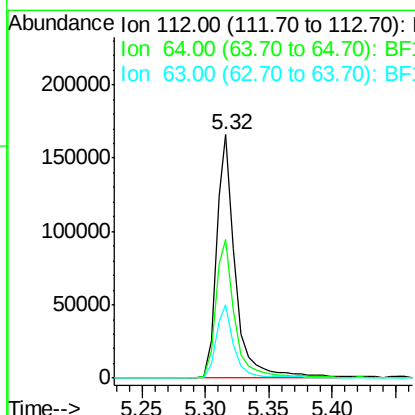
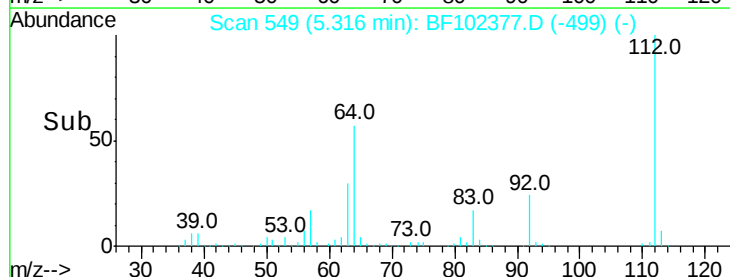
#5

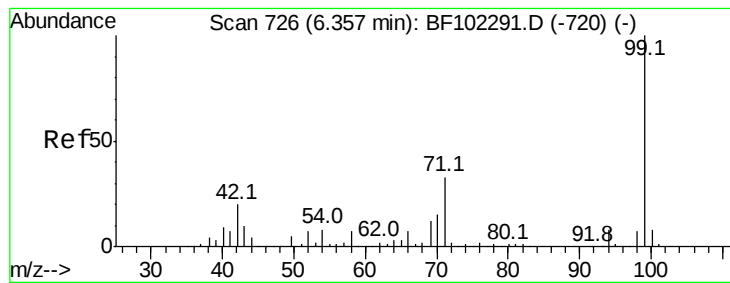
2-Fluorophenol
 Concen: 20.811 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.01 min
 Lab File: BF102377.D
 Acq: 24 Jan 2018 8:23

Tgt Ion:112 Resp: 173836
 Ion Ratio Lower Upper
 112 100
 64 57.1 47.9 71.9
 63 29.9 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: 22.332 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

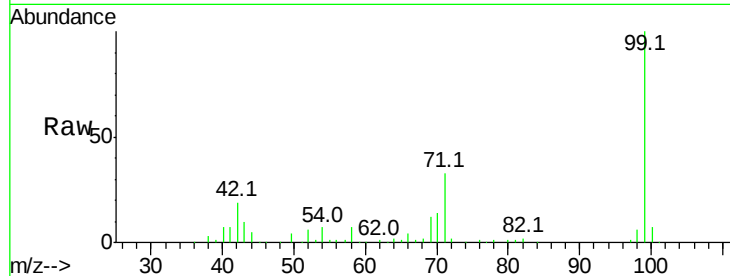
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 224897

Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.5	21.7
71	33.1	25.4	38.0

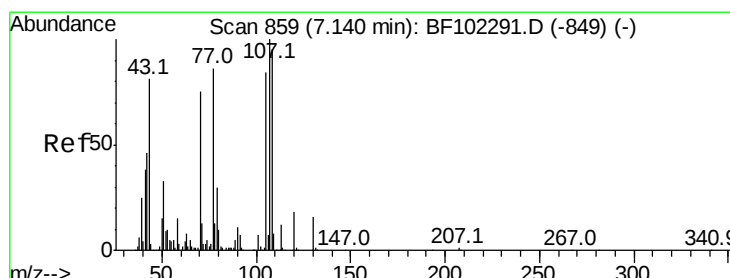
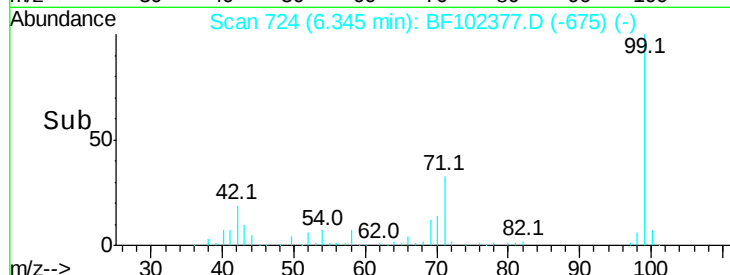
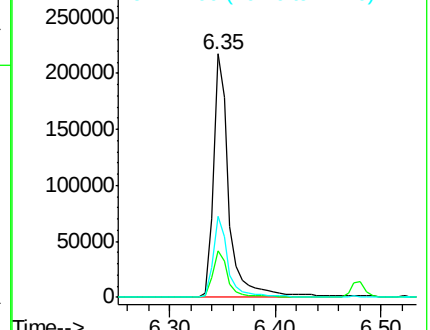


Abundance

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: 2.845 ng

RT: 7.27 min Scan# 882

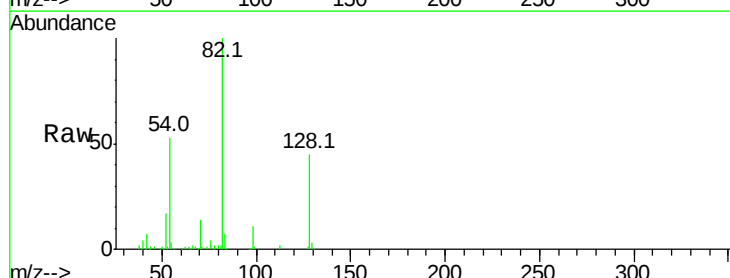
Delta R.T. 0.14 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Tgt Ion: 70 Resp: 17535

Ion	Ratio	Lower	Upper
70	100		
42	47.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



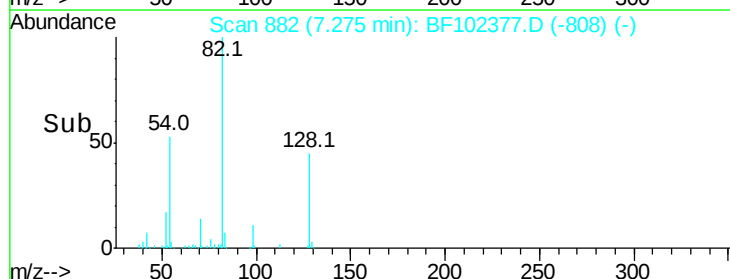
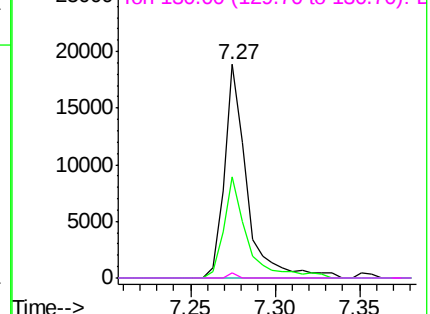
Abundance

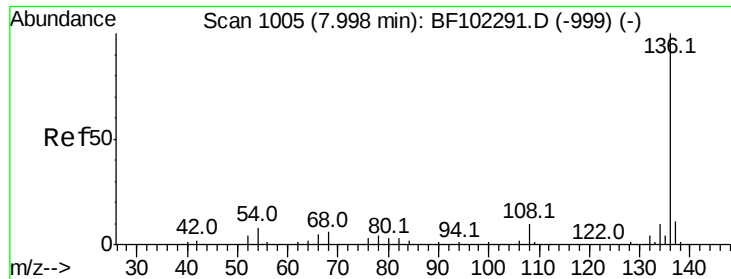
Ion 70.00 (69.70 to 70.70): BF1

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

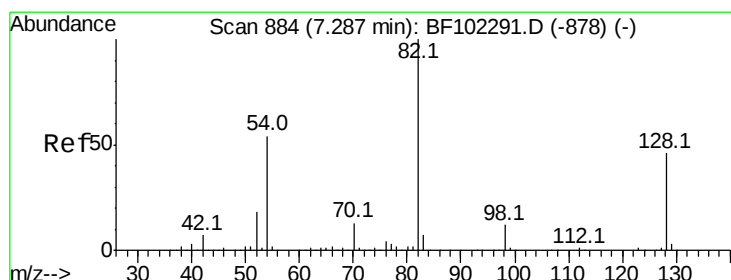
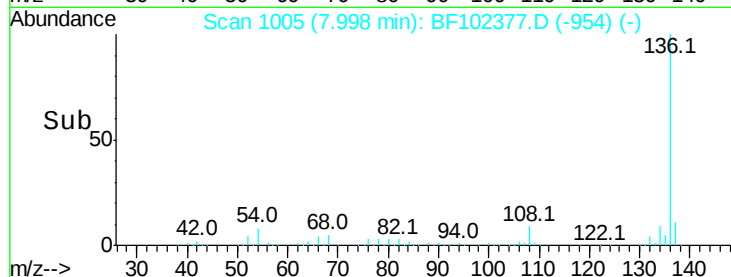
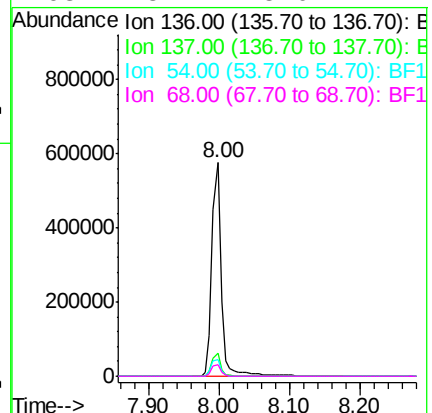
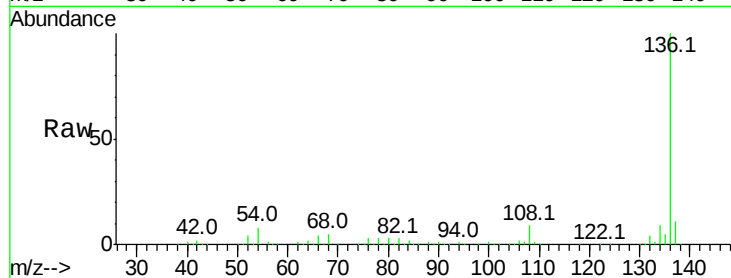




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

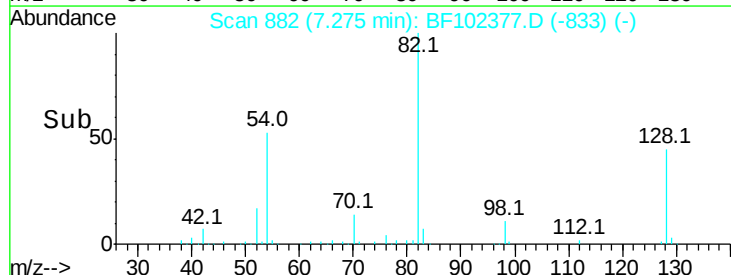
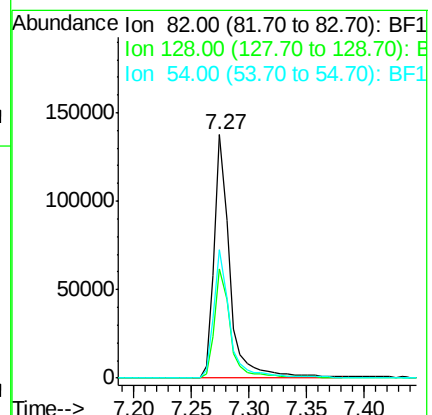
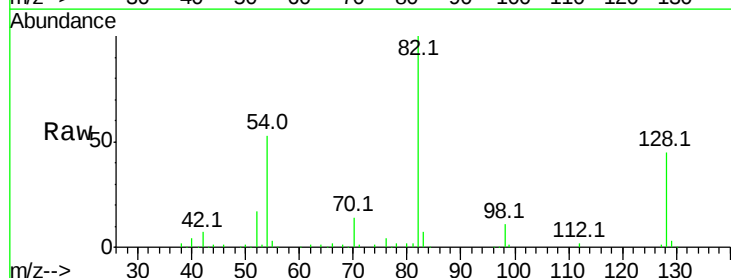
Instrument :
BNA_F
ClientSampleId :

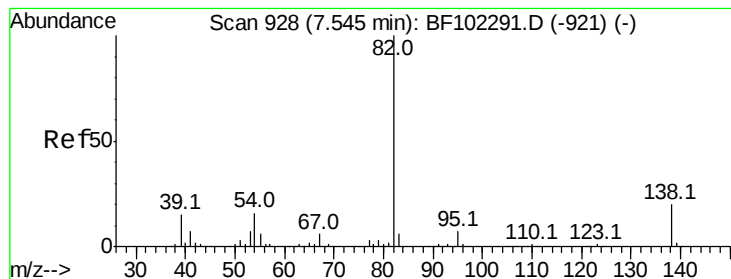
Tot Ion:	136	Resp:	534531
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.7	6.6	9.8
68	5.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 14.150 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Tgt Ion:	82	Resp:	131616
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	52.6	41.4	62.2





#25

Isophorone

Concen: 7.937 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Instrument :

BNA_F

ClientSampled :

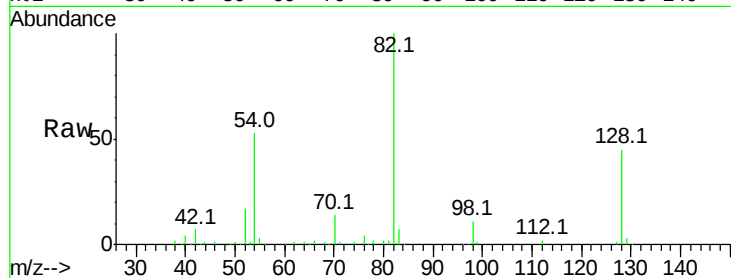
Tot Ion: 82 Resp: 131614

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

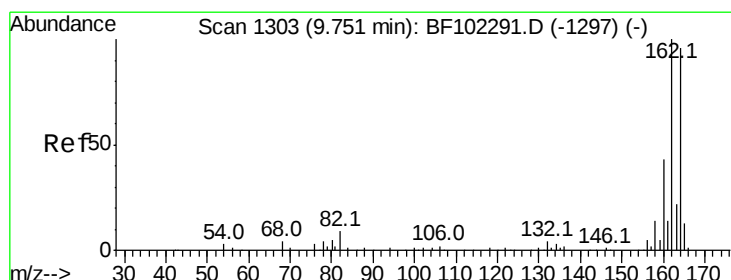
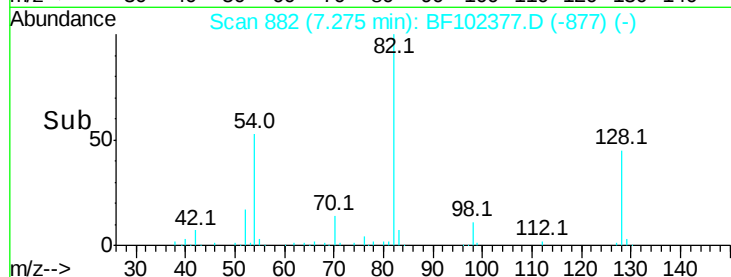
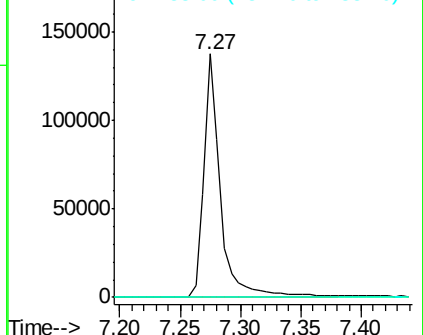
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

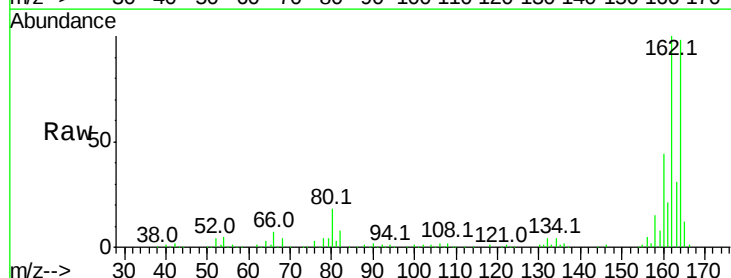
Tgt Ion:164 Resp: 231826

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

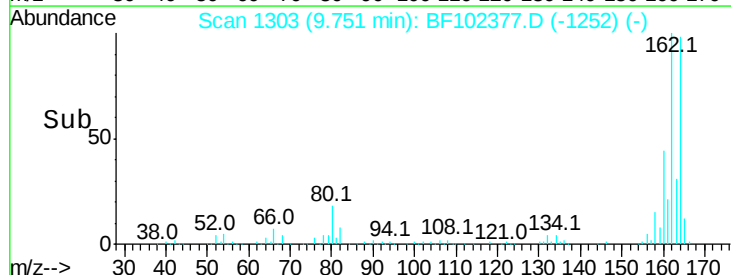
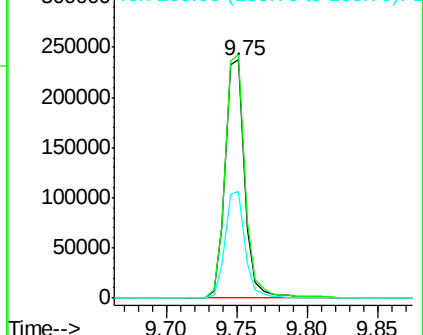
160 44.9 38.3 57.5

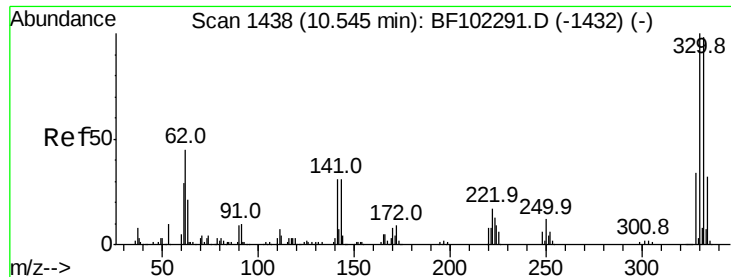


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

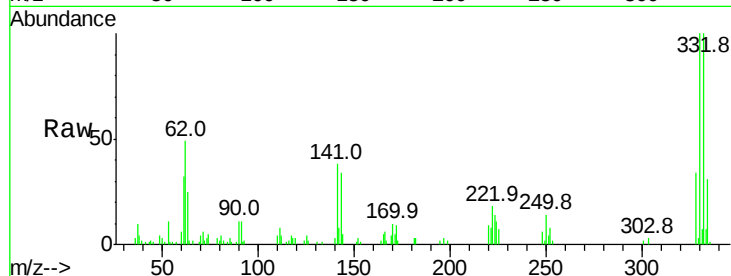




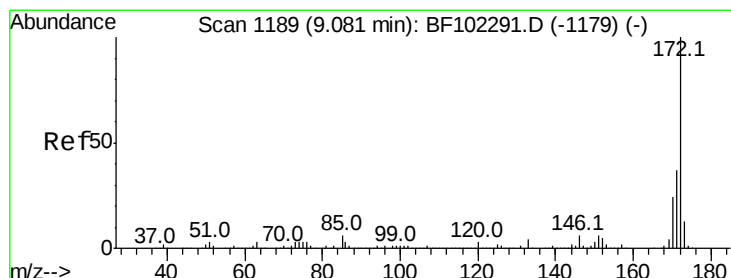
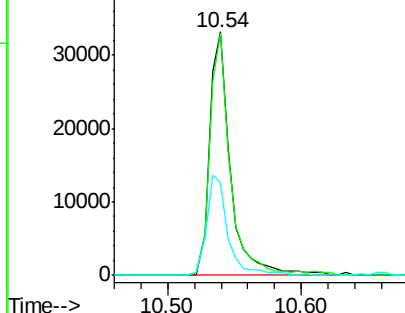
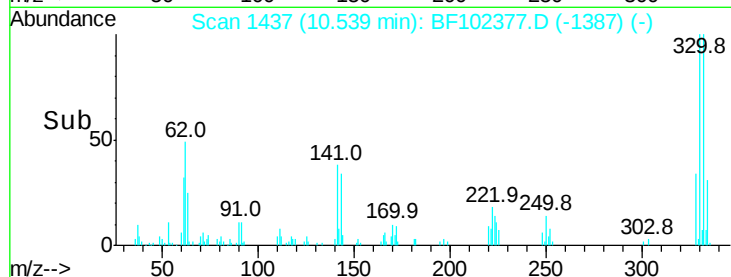
#41
 2,4,6-Tribromophenol
 Concen: 15.859 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102377.D
 Acq: 24 Jan 2018 8:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 36430
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.0 115.6
 141 41.2 29.9 44.9

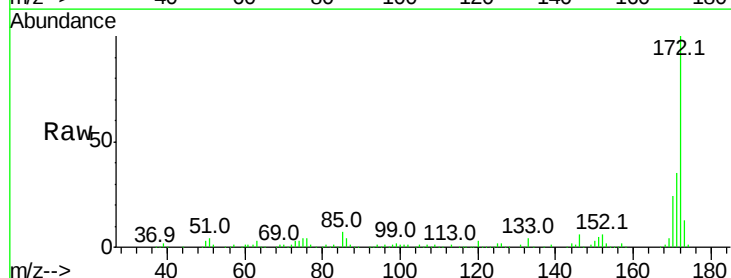


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

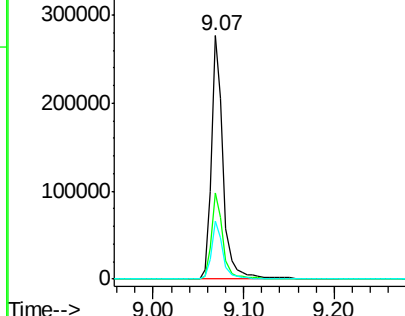
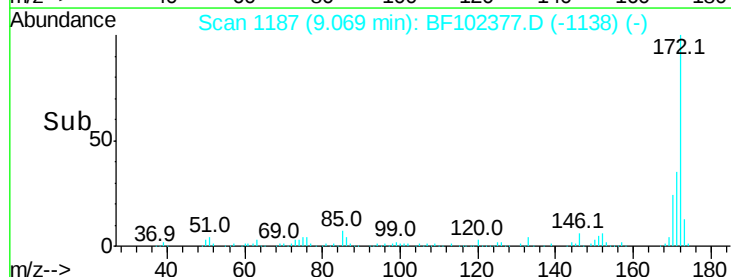


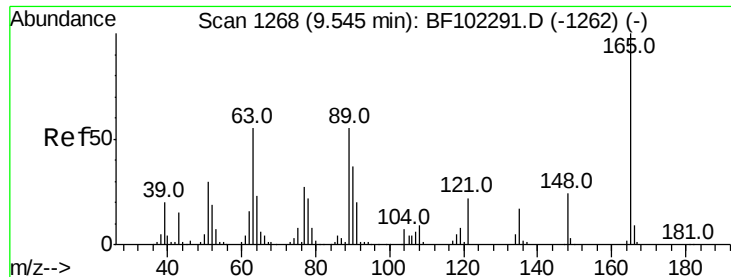
#44
 2-Fluorobiphenyl
 Concen: 16.182 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102377.D
 Acq: 24 Jan 2018 8:23

Tgt Ion:172 Resp: 255141
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.7 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: 7.015 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.20 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Instrument :

BNA_F

ClientSampleId :

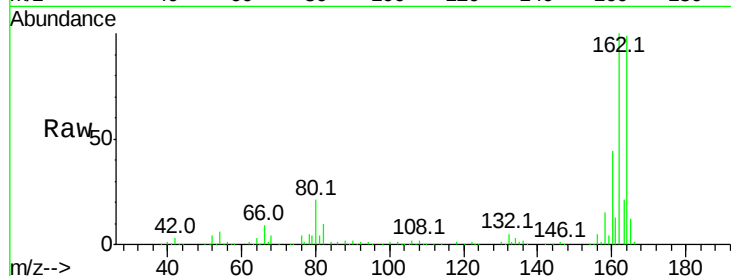
Tot Ion:165 Resp: 28980

Ion Ratio Lower Upper

165 100

63 1.0 44.7 67.1#

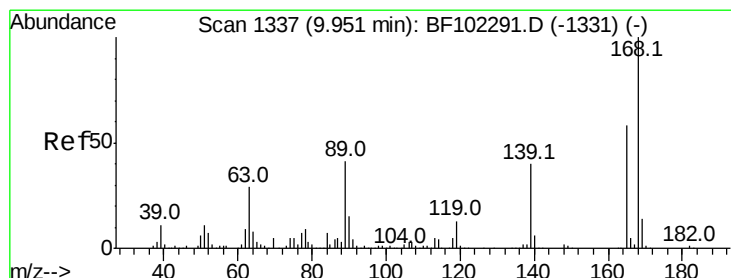
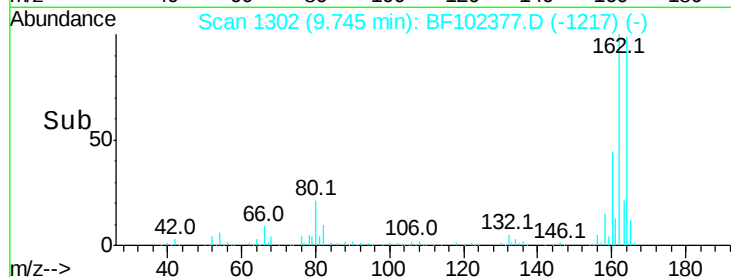
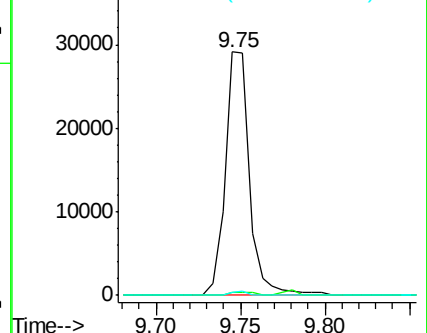
89 1.2 44.0 66.0#



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: 5.704 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Tgt Ion:165 Resp: 28980

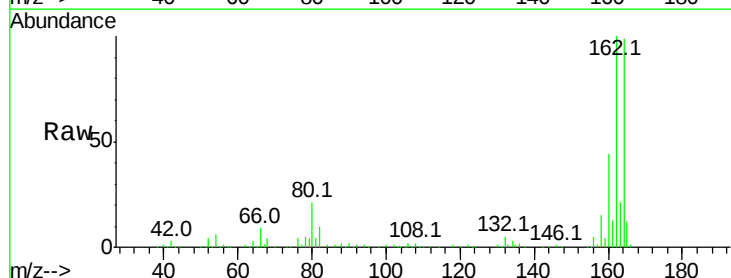
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

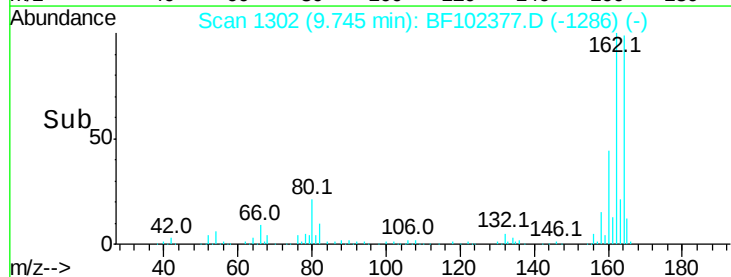
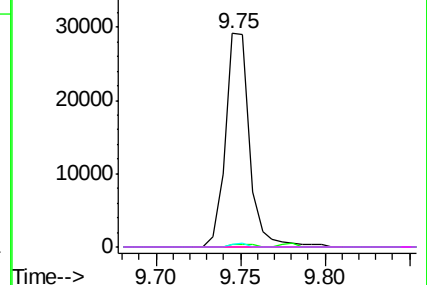


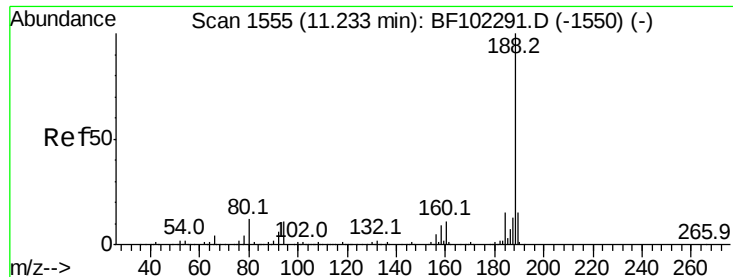
Abundance Ion 165.00 (164.70 to 165.70): E

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

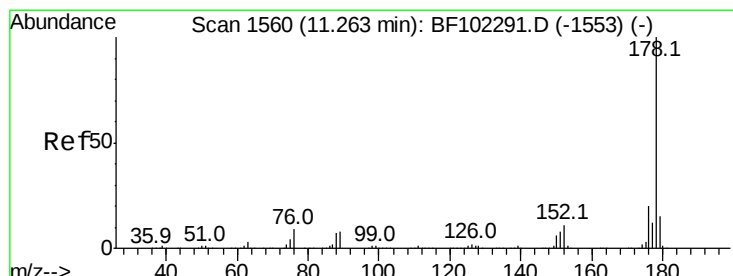
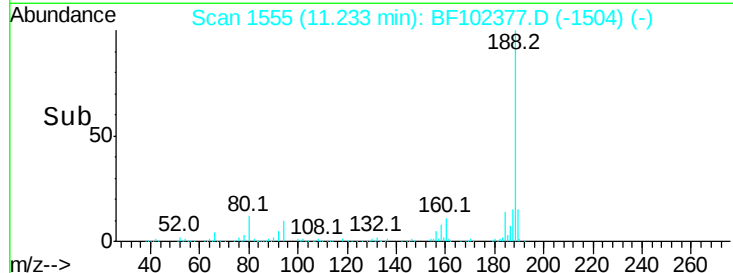
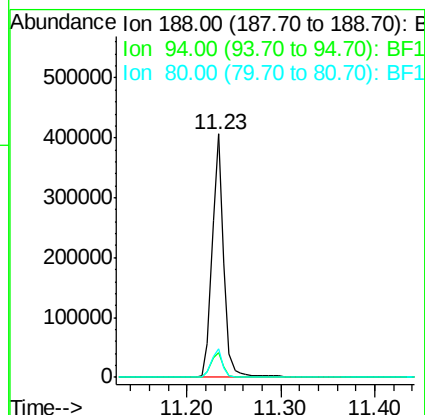
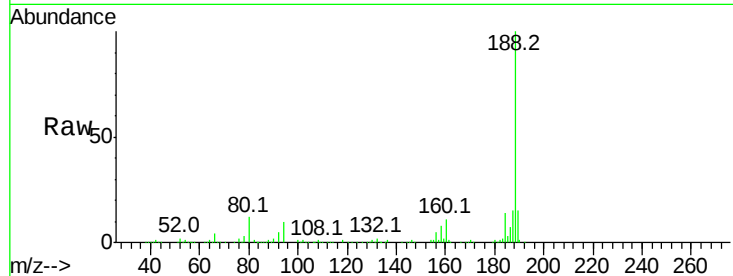




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

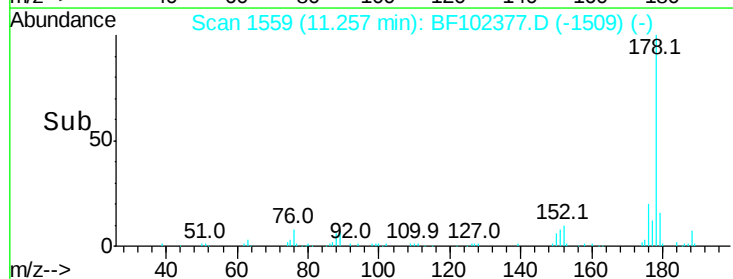
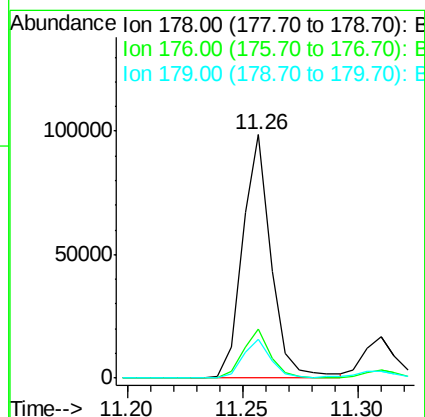
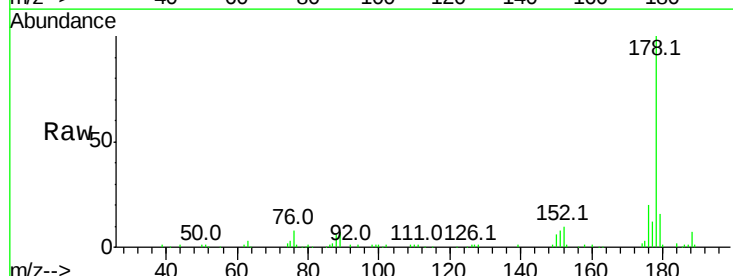
Instrument :
BNA_F
ClientSampleId :

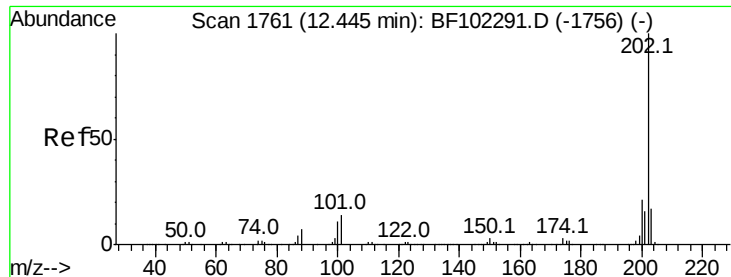
Tot Ion:188 Resp: 354679
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 11.5 9.2 13.8



#70
Phenanthrene
Concen: 4.110 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Tgt Ion:178 Resp: 84942
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 16.1 13.0 19.6





#74

Fluoranthene

Concen: 5.500 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Instrument :

BNA_F

ClientSampleId :

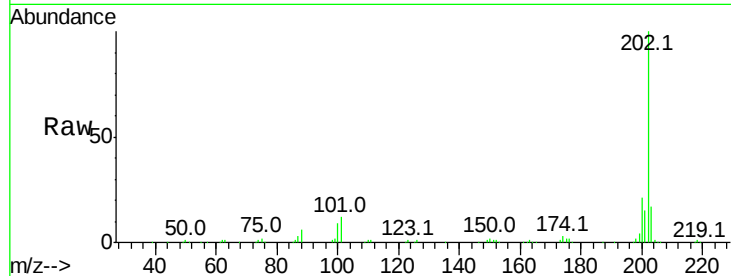
Tot Ion:202 Resp: 115914

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

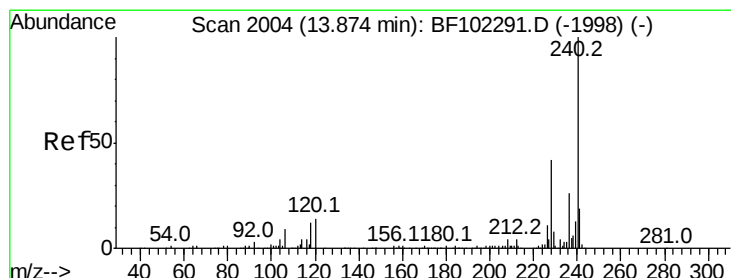
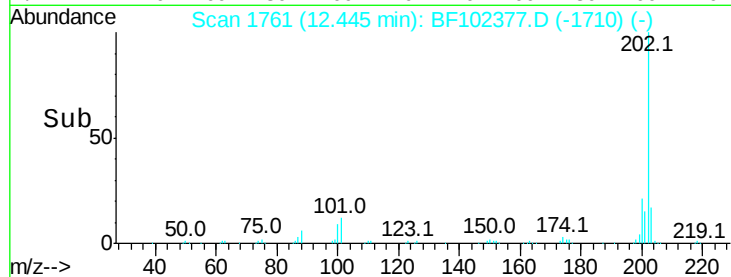
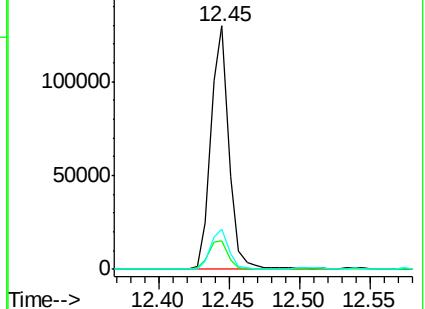
203 16.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

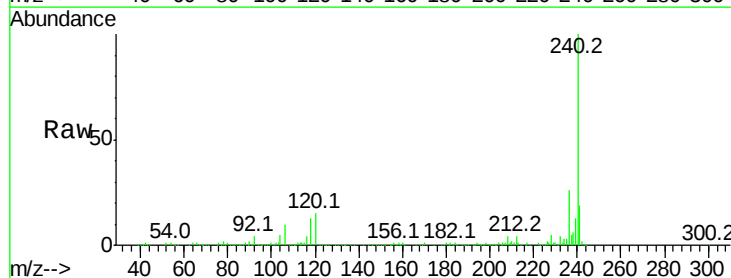
Tgt Ion:240 Resp: 255789

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

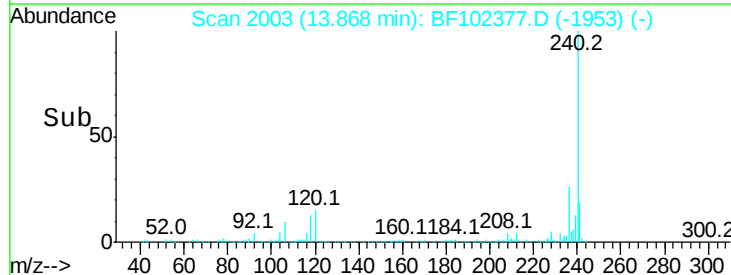
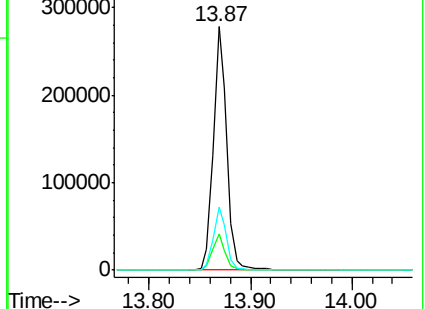
236 26.2 20.7 31.1

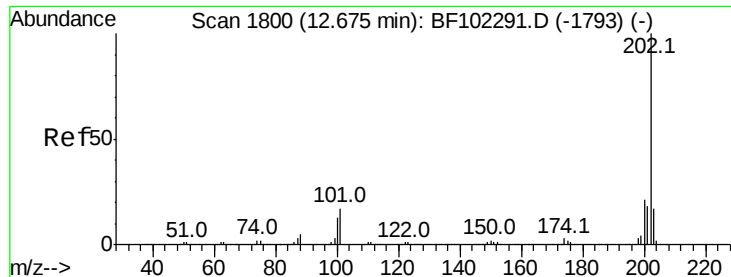


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

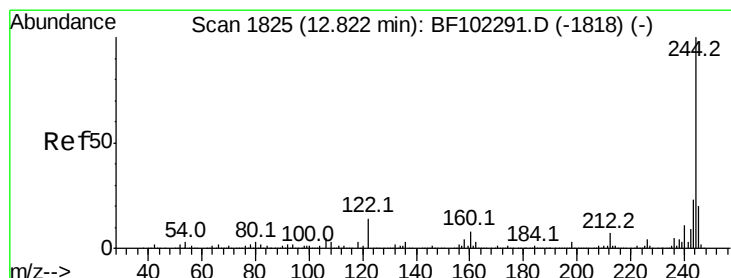
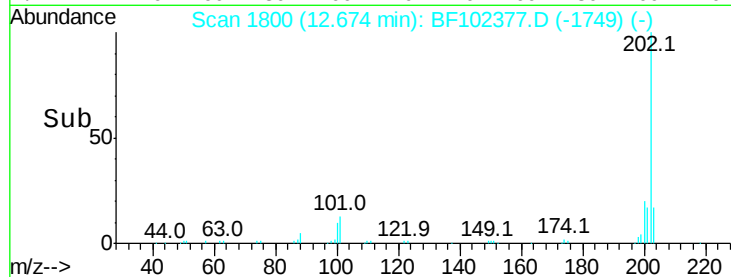
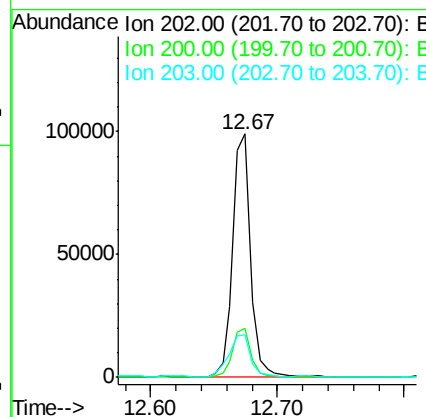
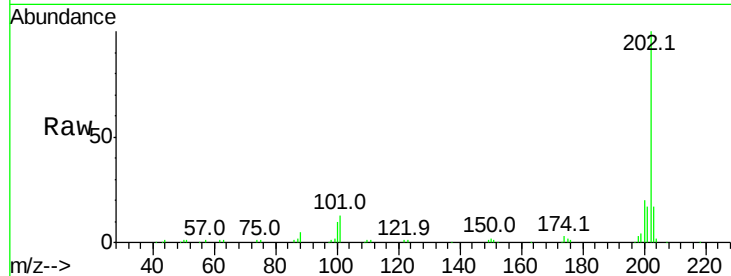




#77
 Pvrene
 Concen: 4.920 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: BF102377.D
 Acq: 24 Jan 2018 8:23

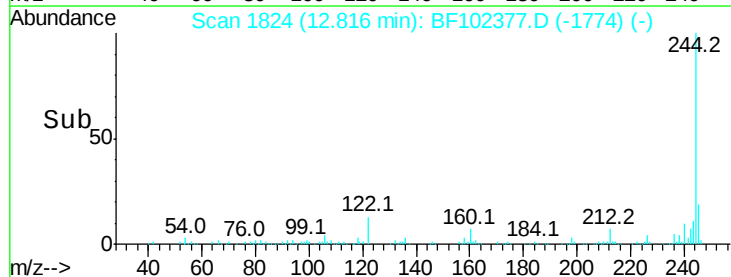
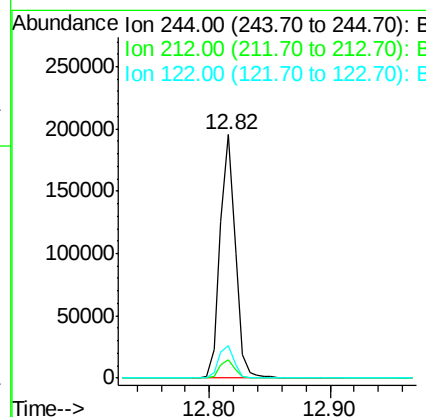
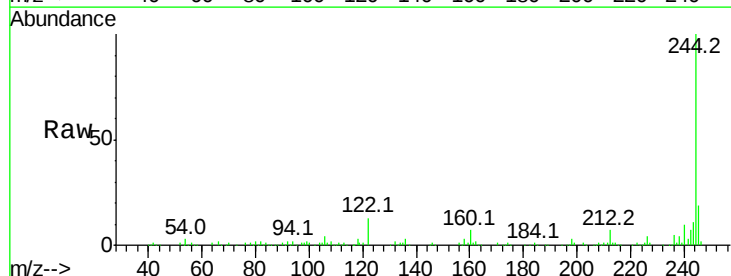
Instrument :
 BNA_F
 ClientSampleId :

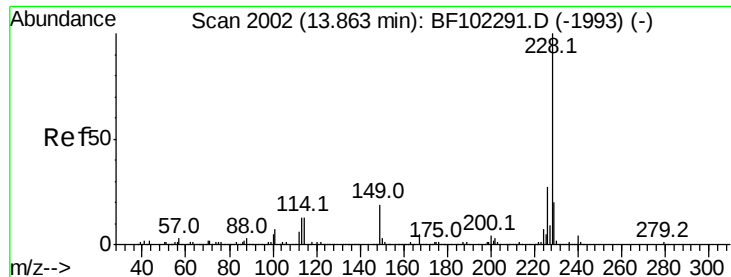
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.4	26.2
203	17.3	14.3	21.5



#78
 Terphenyl-d14
 Concen: 14.876 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102377.D
 Acq: 24 Jan 2018 8:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	13.4	11.0	16.4





#80

Benzo(a)anthracene

Concen: 2.711 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Instrument :

BNA_F

ClientSampleId :

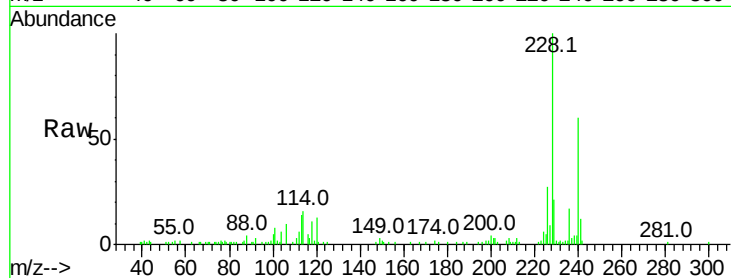
Tot Ion:228 Resp: 42692

Ion Ratio Lower Upper

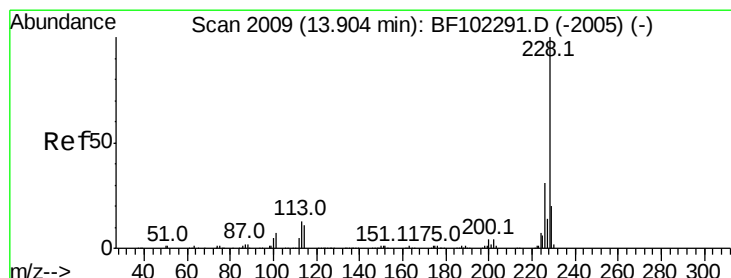
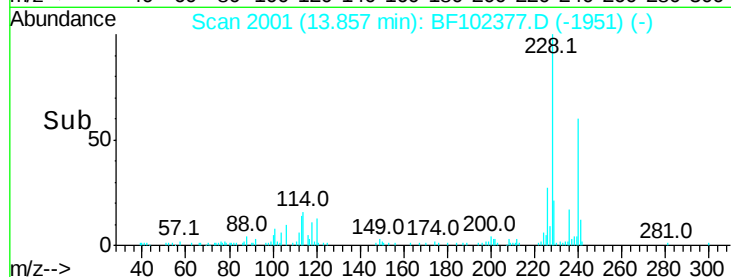
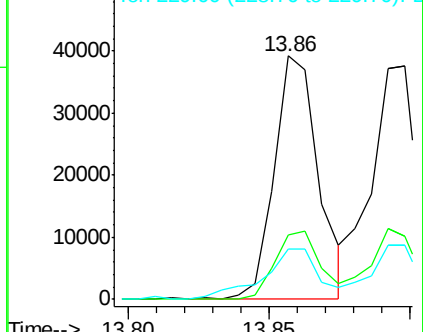
228 100

226 26.6 22.6 33.8

229 20.6 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.764 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

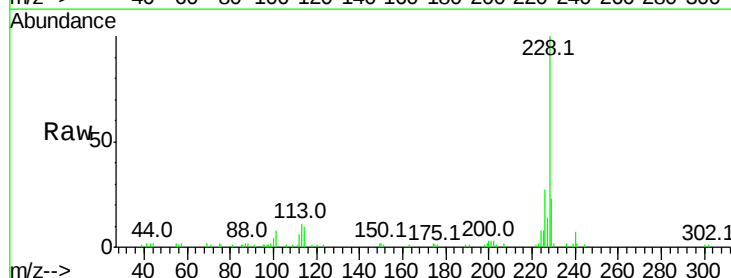
Tgt Ion:228 Resp: 44208

Ion Ratio Lower Upper

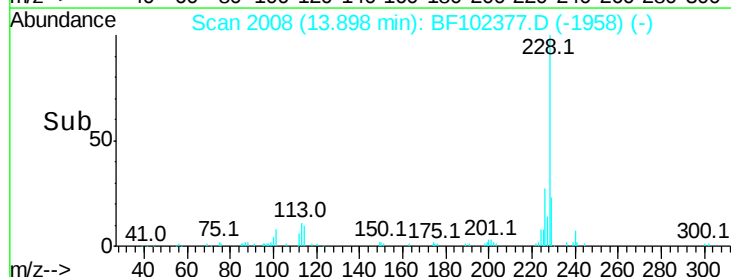
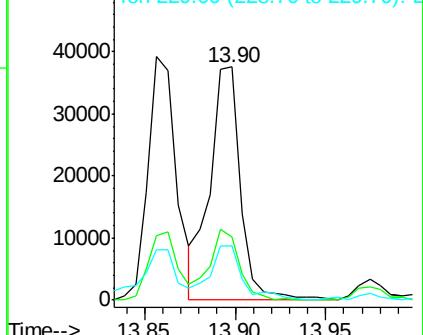
228 100

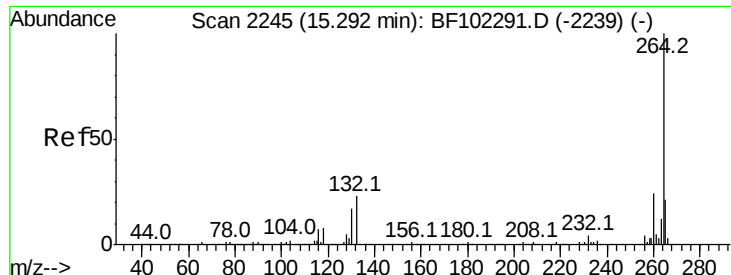
226 27.2 25.0 37.6

229 23.3 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

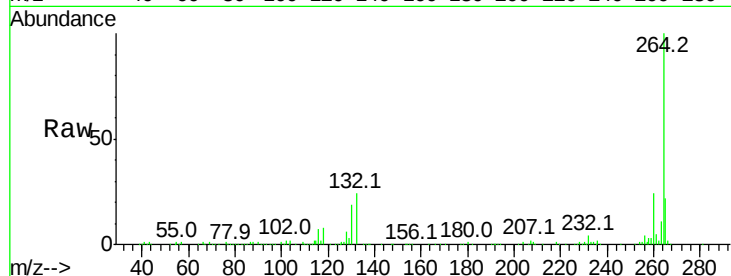




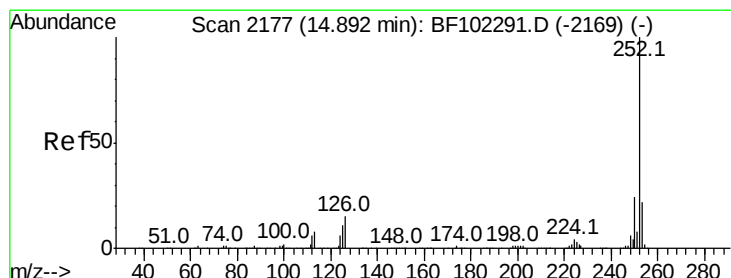
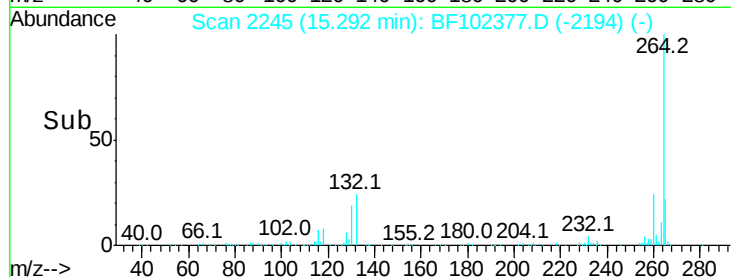
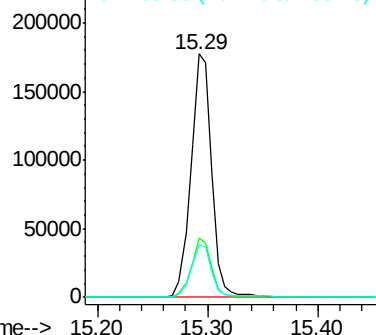
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 232514
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.8 17.5 26.3

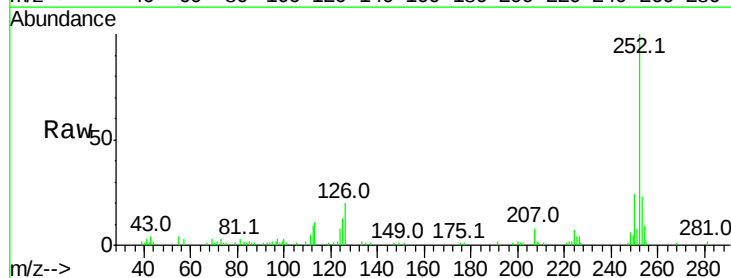


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

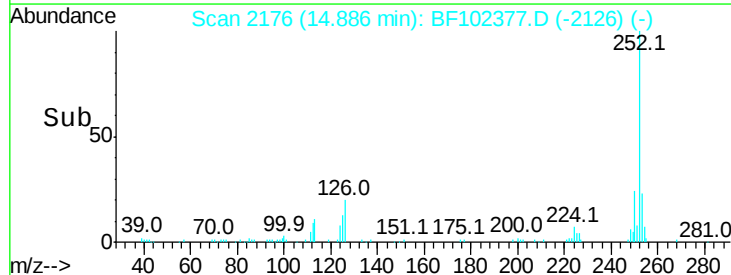
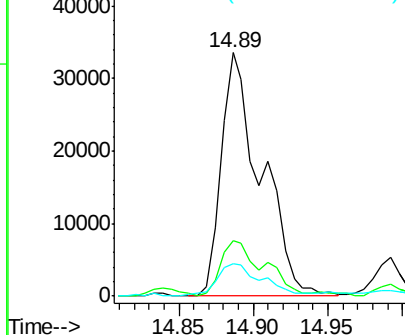


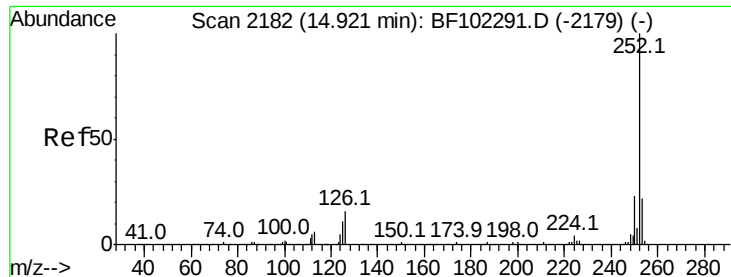
#87
Benzo(b)fluoranthene
Concen: 4.167 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Tgt Ion:252 Resp: 62796
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 13.1 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

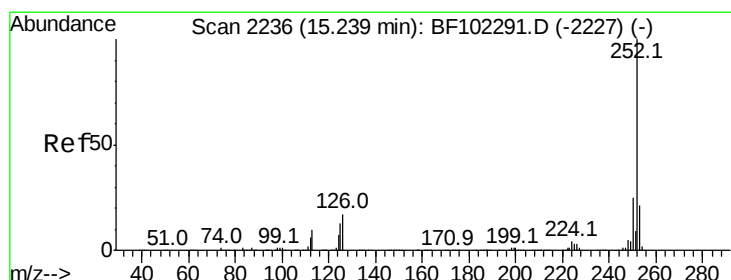
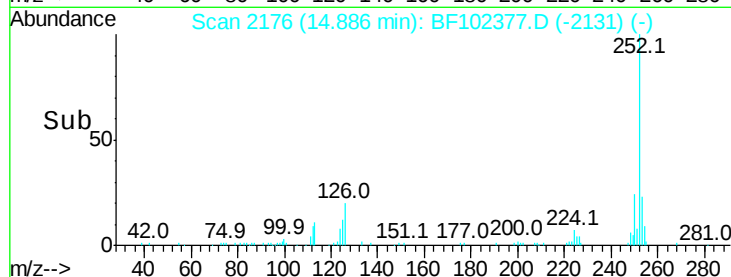
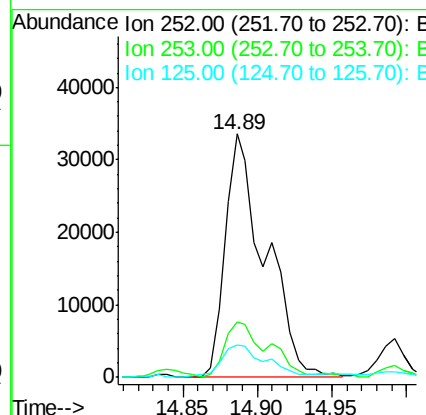
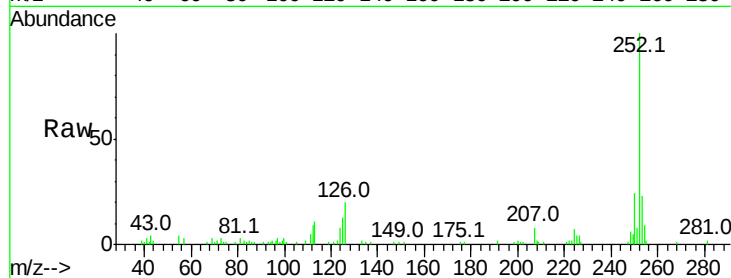




#88
Benzo(k)fluoranthene
Concen: 4.410 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.04 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 62796
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 13.1 10.2 15.2



#89
Benzo(a)pyrene
Concen: 2.338 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Tgt Ion:252 Resp: 31777
Ion Ratio Lower Upper
252 100
253 21.0 17.1 25.7
125 13.7 9.8 14.6

