

Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102597.D
 Acq On : 29 Jan 2018 15:03
 Operator : SJ/JU
 Sample : J1253-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

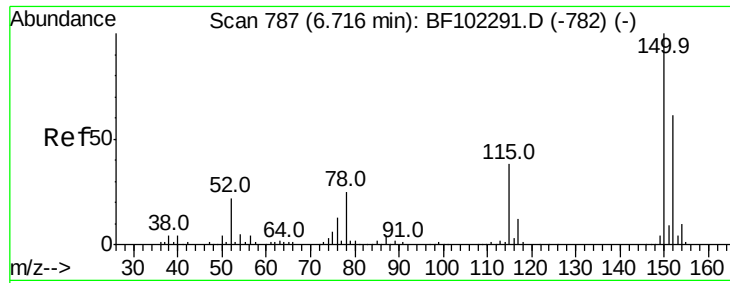
Quant Time: Jan 30 00:07:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	160092	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	643540	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	252491	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	379472	20.00	ng	0.00
75) Chrysene-d12	13.89	240	279303	20.00	ng	0.00
86) Perylene-d12	15.33	264	221395	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	537370	50.90	ng	0.00
7) Phenol-d6	6.36	99	665629	52.29	ng	0.00
23) Nitrobenzene-d5	7.28	82	347762	31.05	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	83354	33.32	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	638748	37.20	ng	0.00
78) Terphenyl-d14	12.82	244	466101	37.62	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	42842	5.500	ng	# 82
25) Isophorone	7.28	82	345041	17.283	ng	# 64
49) Dimethylphthalate	9.47	163	81541	3.907	ng	99
51) Acenaphthene	9.79	154	61970	3.881	ng	98
54) Dibenzofuran	9.96	168	57784	2.674	ng	# 97
57) Fluorene	10.30	166	79054	4.617	ng	97
70) Phenanthrene	11.27	178	809554	36.610	ng	99
71) Anthracene	11.32	178	240821	10.670	ng	99
72) Carbazole	11.48	167	52057	2.364	ng	98
74) Fluoranthene	12.46	202	829193	36.772	ng	99
77) Pyrene	12.69	202	792335	36.691	ng	100
80) Benzo(a)anthracene	13.88	228	210046	12.215	ng	97
82) Chrysene	13.92	228	343794	19.688	ng	98
83) Bis(2-ethylhexyl)phthalate	13.87	149	3301307	228.585	ng	99
85) Indeno(1,2,3-cd)pyrene	16.74	276	109585	7.599	ng	98
87) Benzo(b)fluoranthene	14.92	252	413172	28.793	ng	# 90
88) Benzo(k)fluoranthene	14.92	252	413172	30.476	ng	# 93
89) Benzo(a)pyrene	15.27	252	219607	16.969	ng	# 90
90) Dibenzo(a,h)anthracene	16.74	278	27662	2.639	ng	# 72
91) Benzo(a,h,i)perylene	17.17	276	106113	10.251	ng	# 92

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

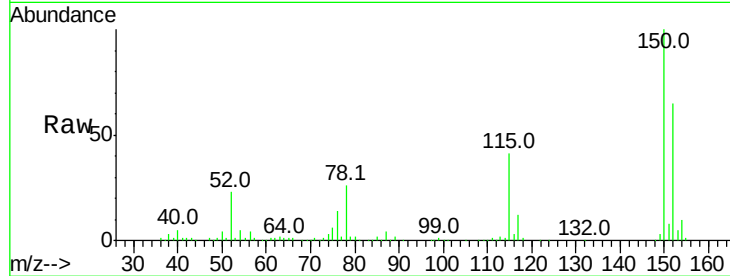


#1

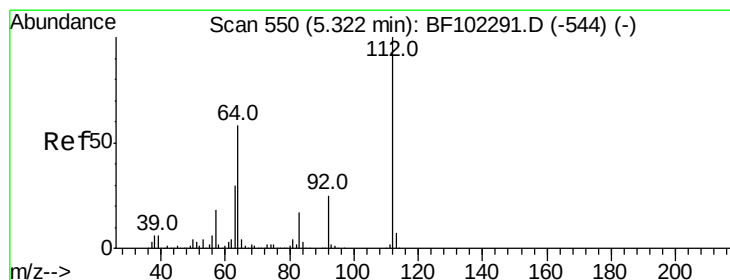
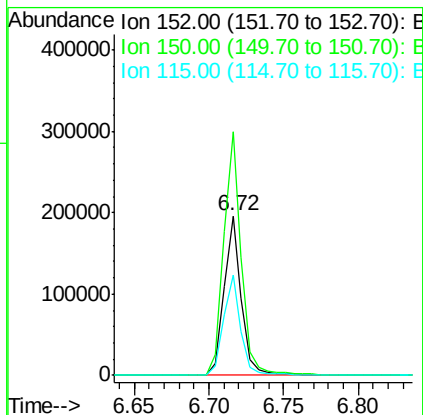
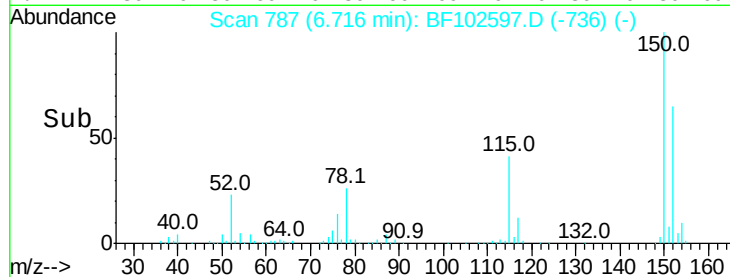
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102597.D
Acq: 29 Jan 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 160092
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 62.8 50.1 75.1



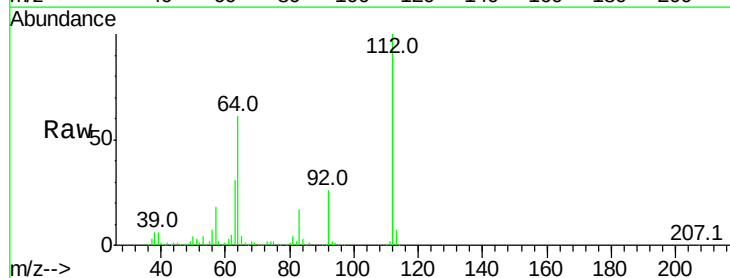
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



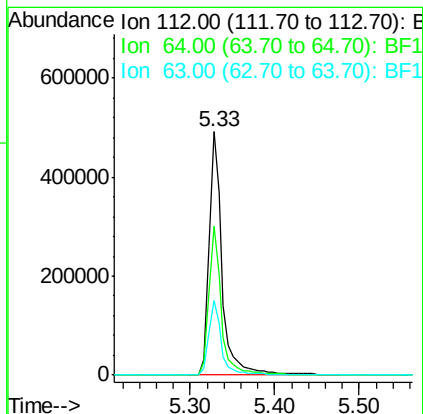
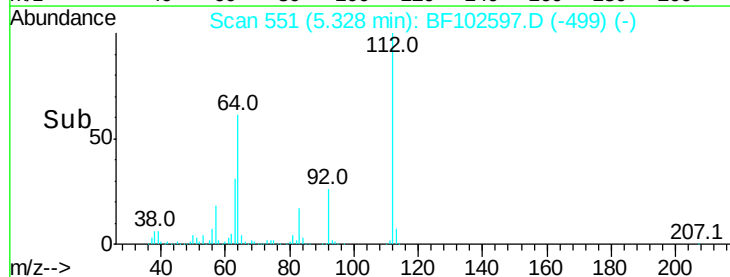
#5

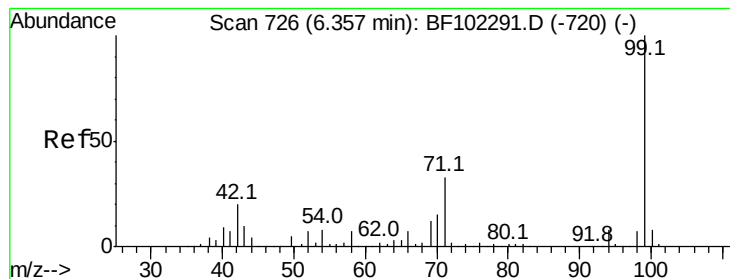
2-Fluorophenol
Concen: 50.895 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102597.D
Acq: 29 Jan 2018 15:03

Tgt Ion:112 Resp: 537370
Ion Ratio Lower Upper
112 100
64 61.2 47.9 71.9
63 30.5 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: 52.292 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

Instrument :

BNA_F

ClientSampled :

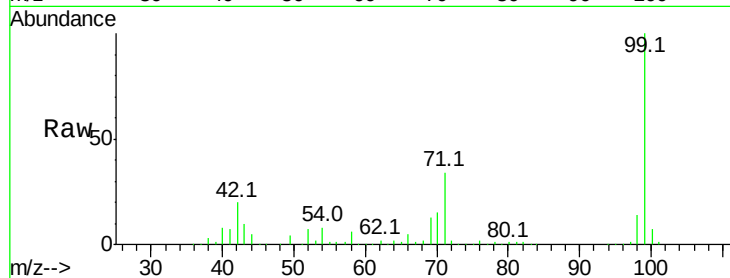
Tot Ion: 99 Resp: 665629

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

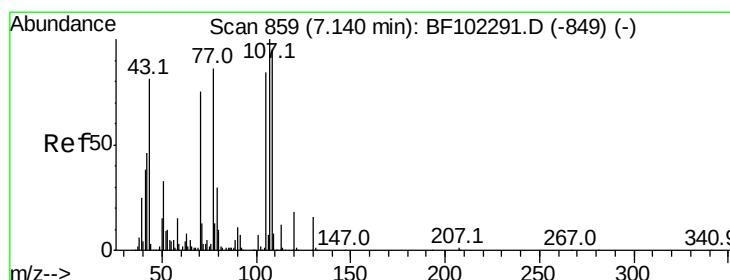
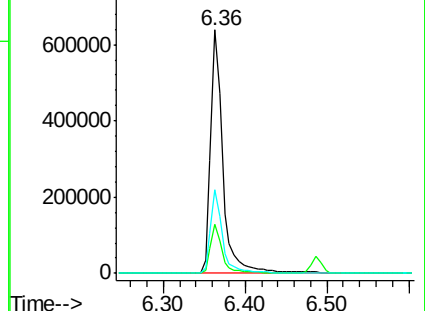
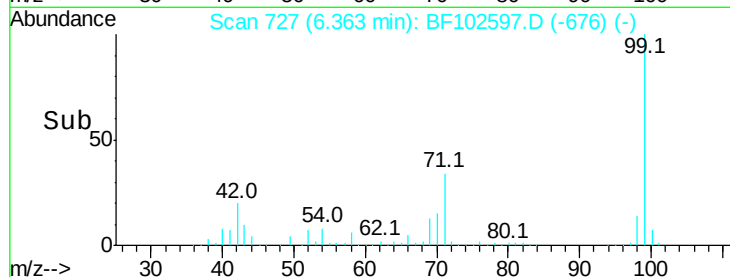
71 34.3 25.4 38.0



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: 5.500 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

Tgt Ion: 70 Resp: 42842

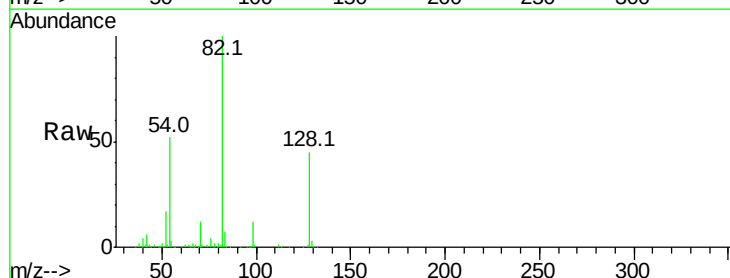
Ion Ratio Lower Upper

70 100

42 51.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

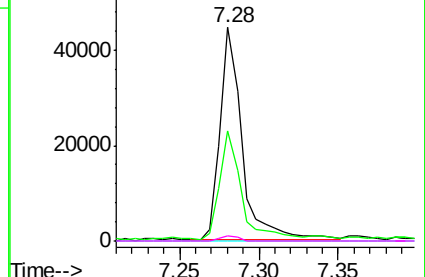
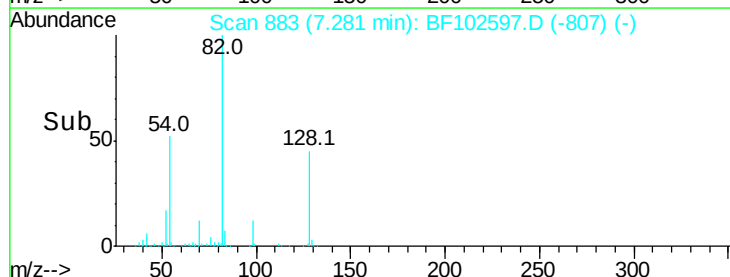


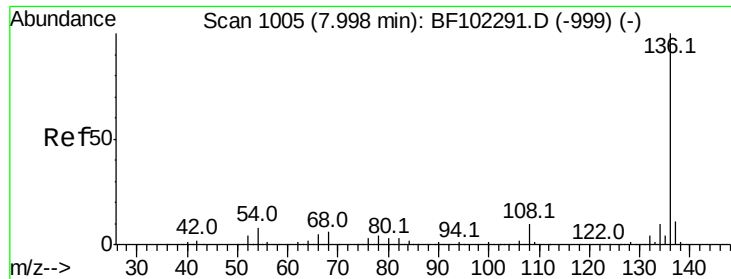
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

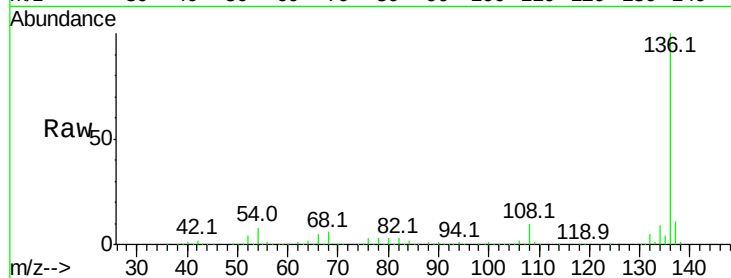




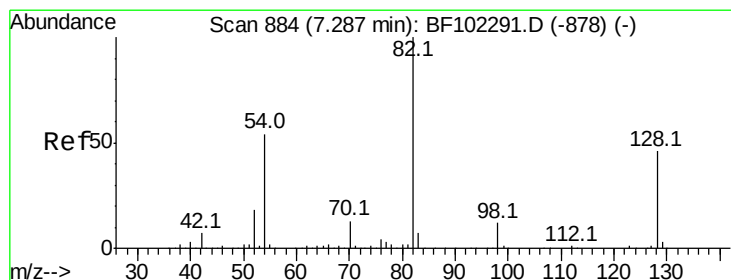
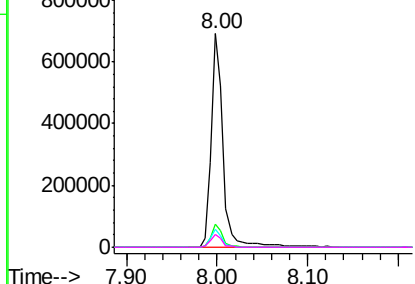
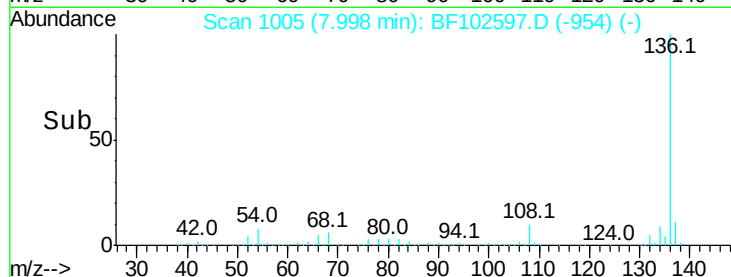
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102597.D
Acq: 29 Jan 2018 15:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	643540
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.5	6.6	9.8
68	6.0	5.0	7.4

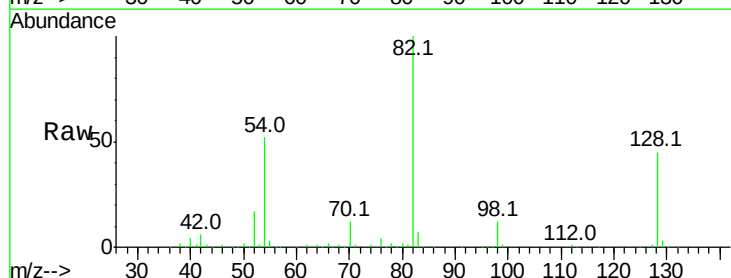


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

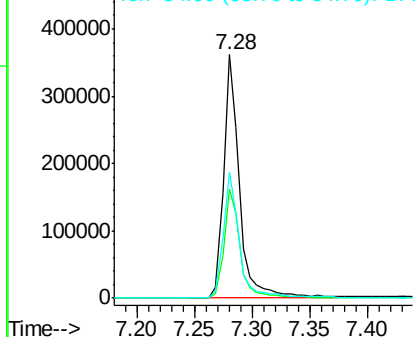
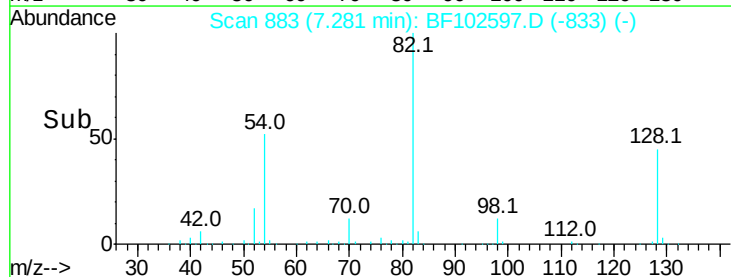


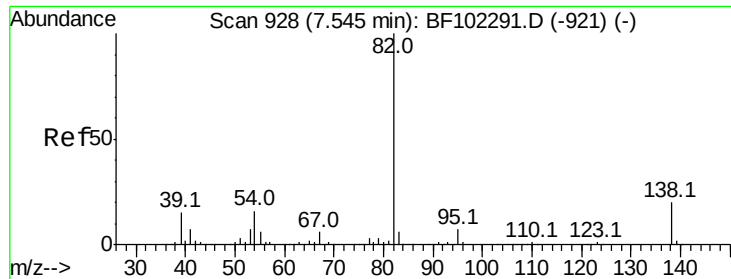
#23
Nitrobenzene-d5
Concen: 31.054 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102597.D
Acq: 29 Jan 2018 15:03

Tgt Ion:	82	Resp:	347762
Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.1	54.1
54	51.9	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: 17.283 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

Instrument :

BNA_F

ClientSampled :

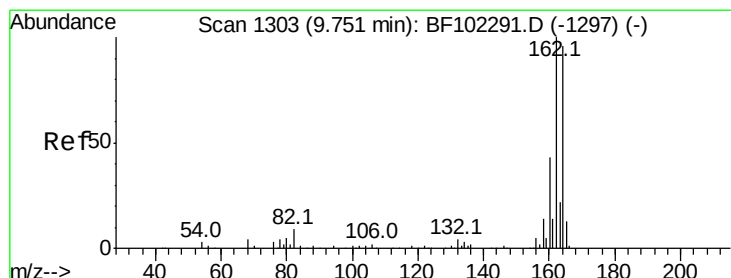
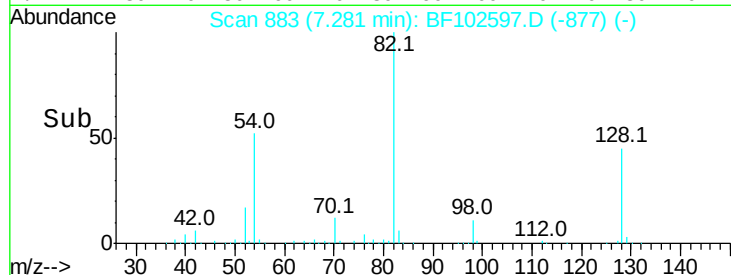
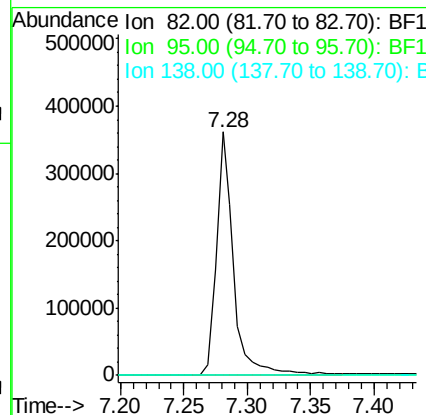
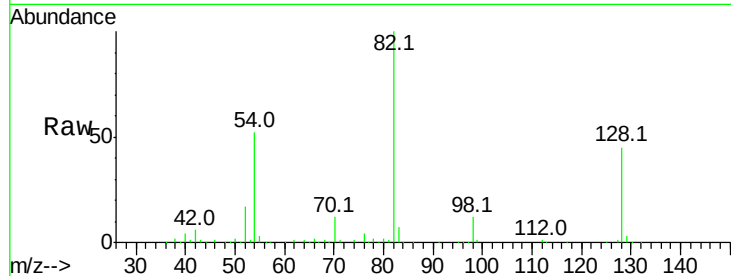
Tot Ion: 82 Resp: 345041

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

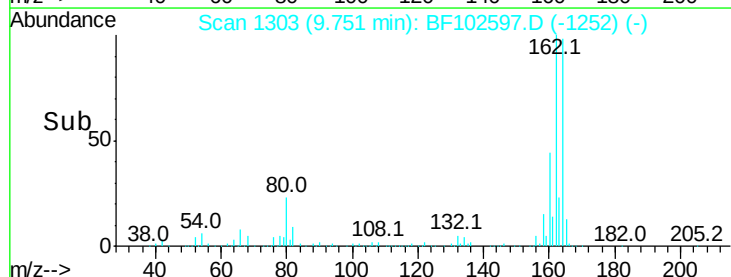
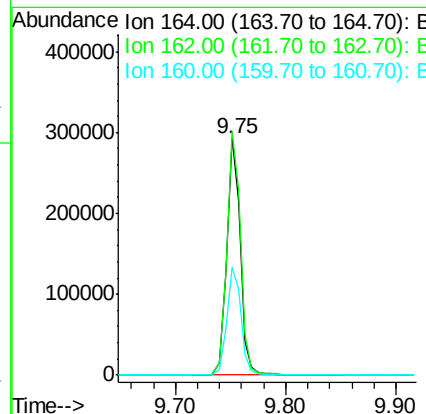
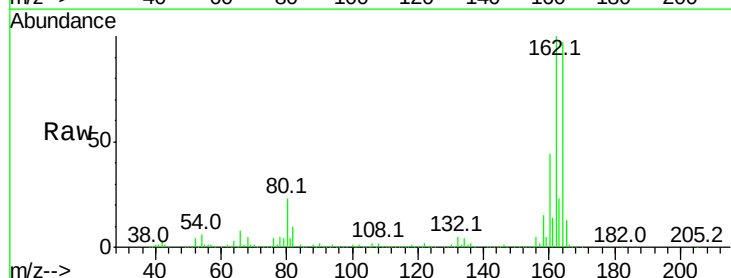
Tgt Ion:164 Resp: 252491

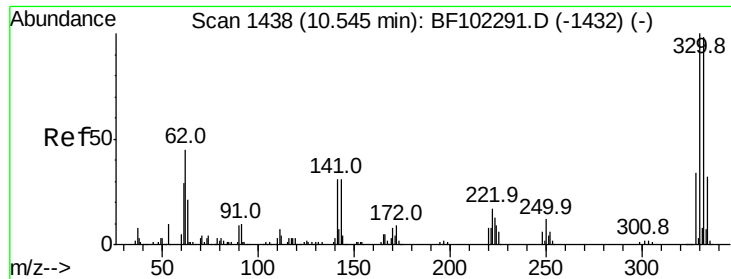
Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

160 45.4 38.3 57.5

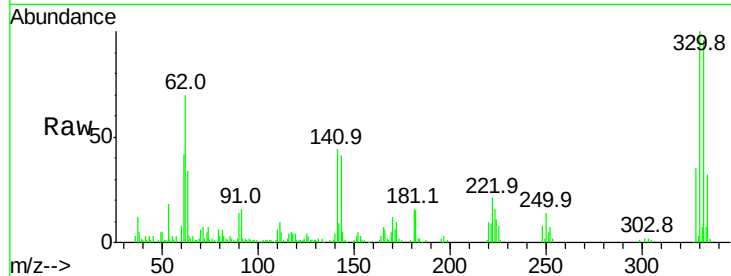




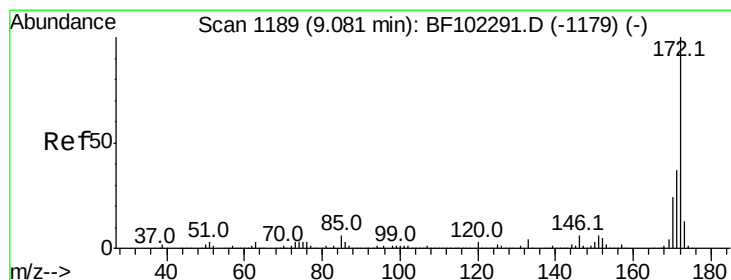
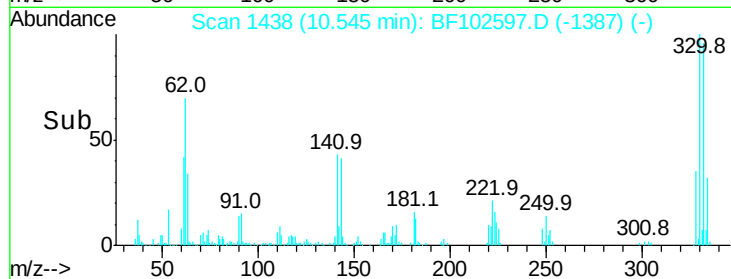
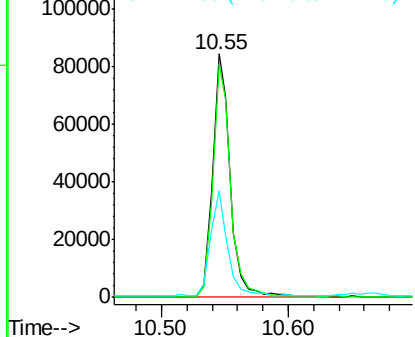
#41
 2,4,6-Tribromophenol
 Concen: 33.317 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102597.D
 Acq: 29 Jan 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 83354
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 42.1 29.9 44.9

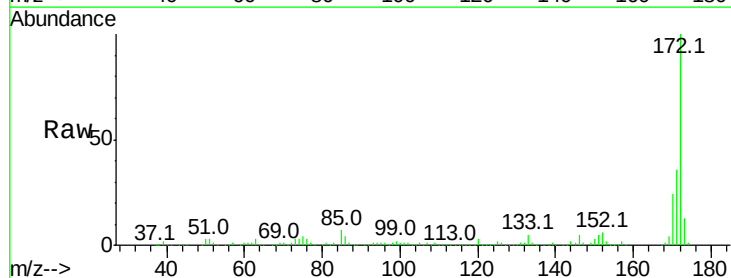


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

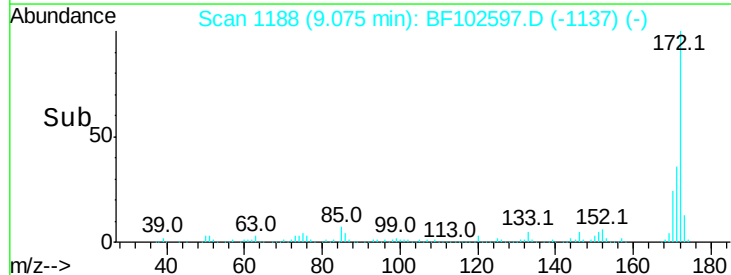
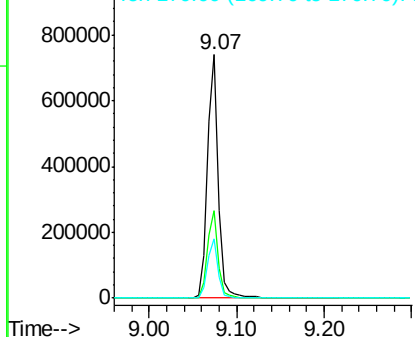


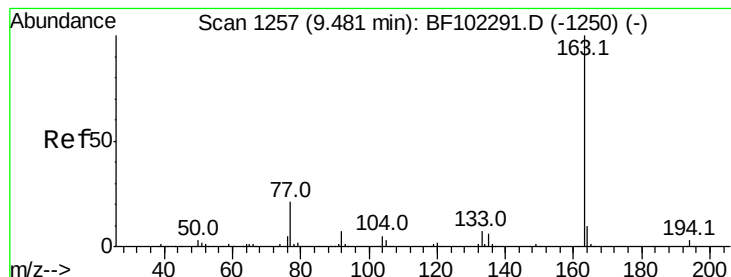
#44
 2-Fluorobiphenyl
 Concen: 37.197 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF102597.D
 Acq: 29 Jan 2018 15:03

Tgt Ion:172 Resp: 638748
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.2 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: 3.907 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

Instrument :

BNA_F

ClientSampleId :

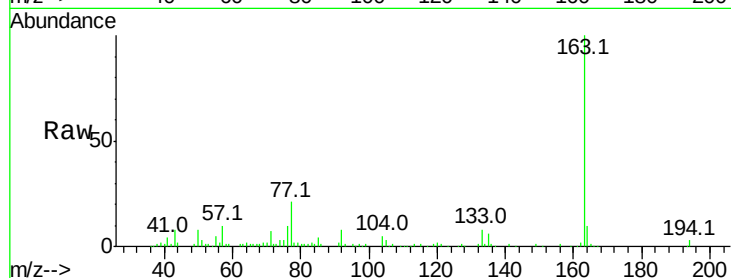
Tot Ion:163 Resp: 81541

Ion Ratio Lower Upper

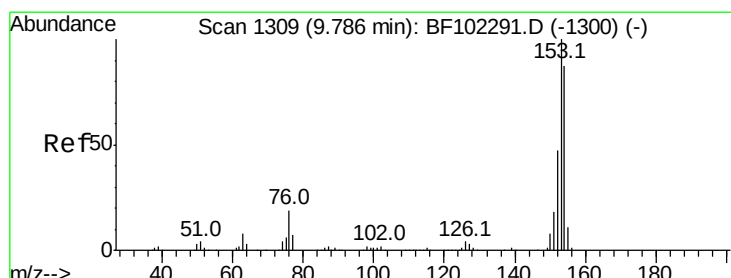
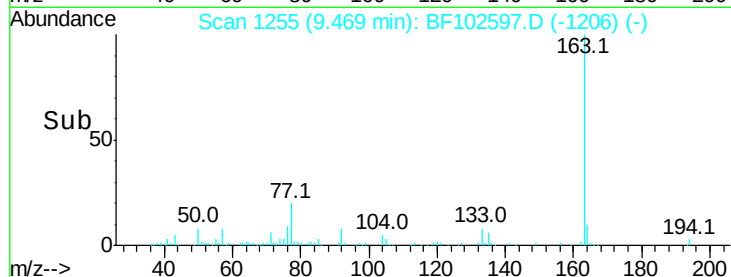
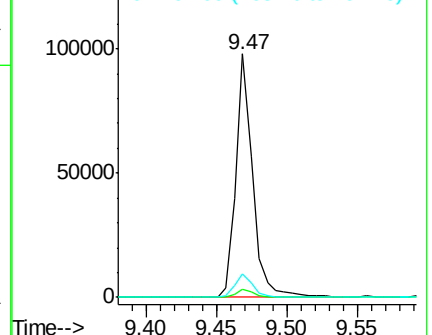
163 100

194 3.5 2.7 4.1

164 9.8 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



#51

Acenaphthene

Concen: 3.881 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

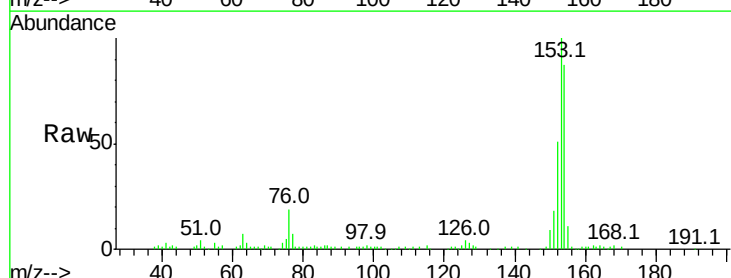
Tgt Ion:154 Resp: 61970

Ion Ratio Lower Upper

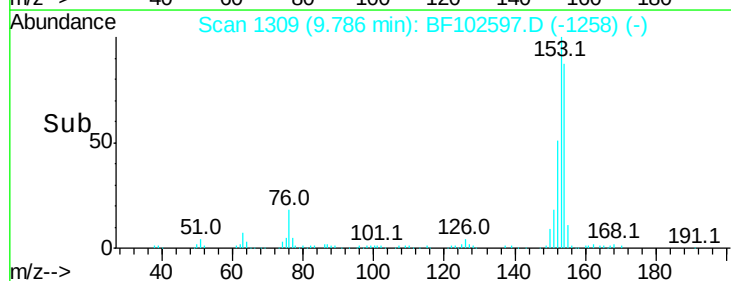
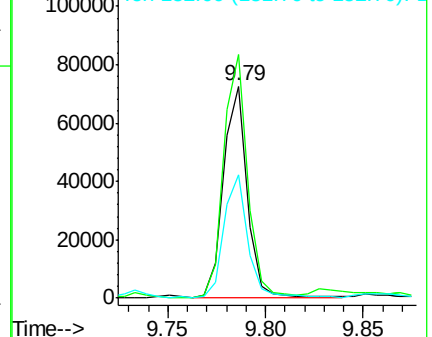
154 100

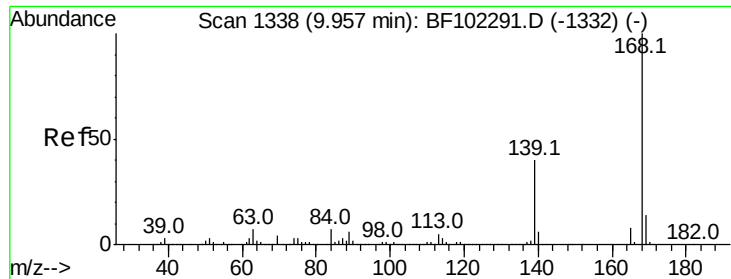
153 114.9 91.2 136.8

152 58.4 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 2.674 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

Instrument :

BNA_F

ClientSampleId :

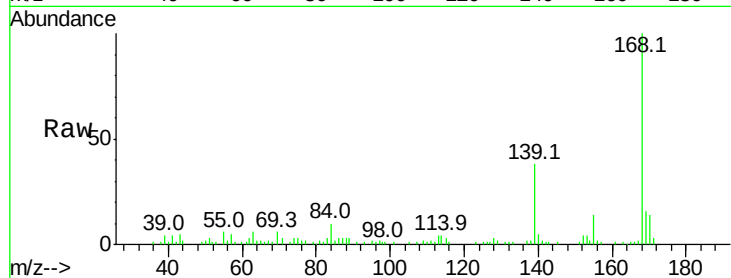
Tot Ion:168 Resp: 57784

Ion Ratio Lower Upper

168 100

139 38.3 30.1 45.1

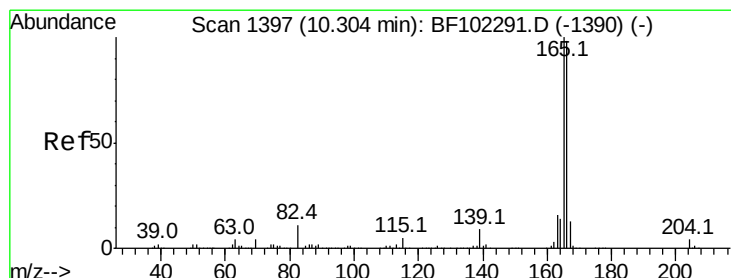
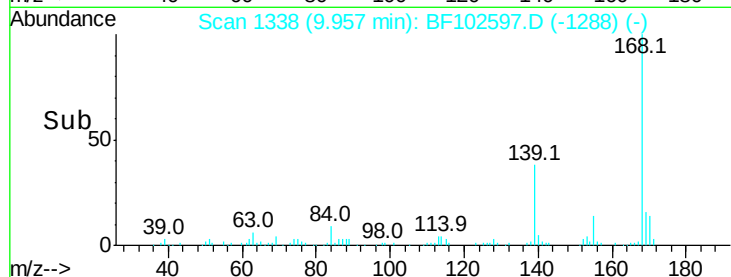
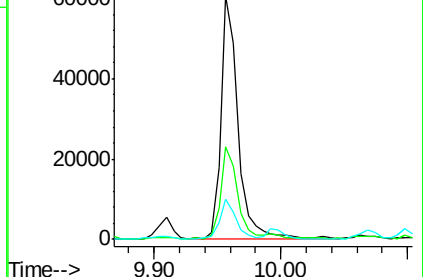
169 16.5 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 4.617 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

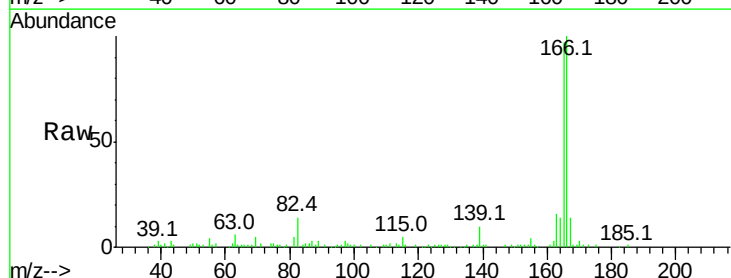
Tgt Ion:166 Resp: 79054

Ion Ratio Lower Upper

166 100

165 97.3 79.8 119.8

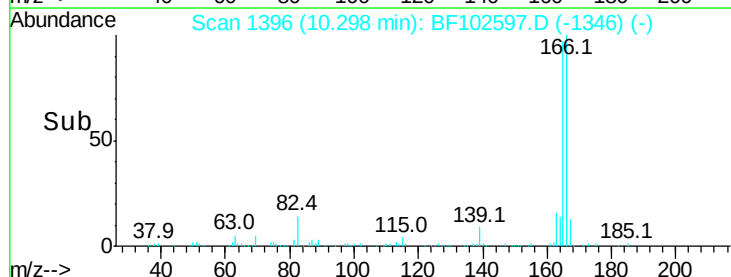
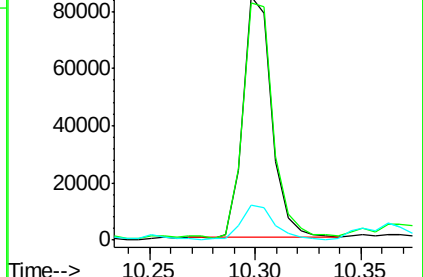
167 14.3 10.6 16.0

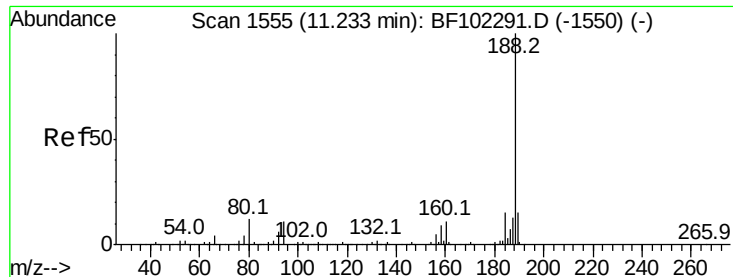


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

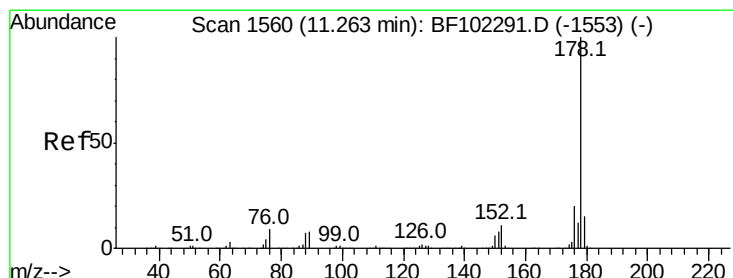
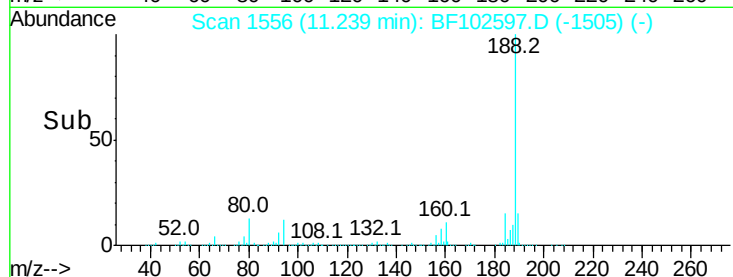
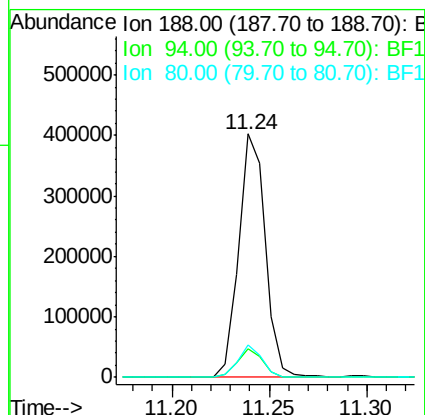
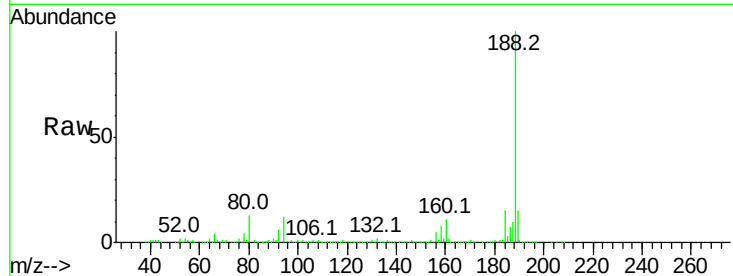




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF102597.D
Acq: 29 Jan 2018 15:03

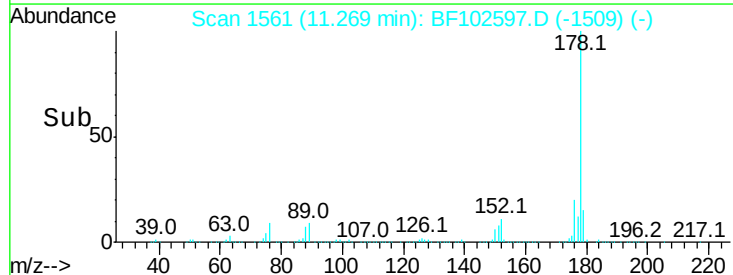
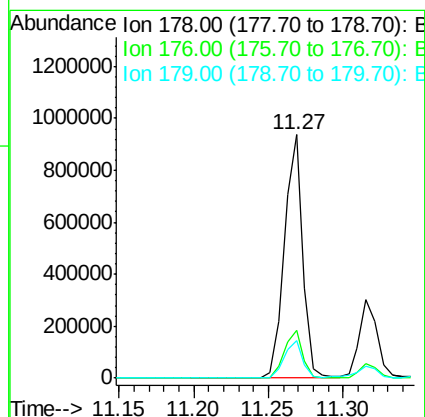
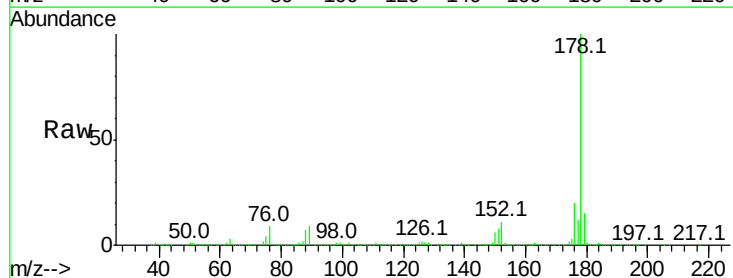
Instrument :
BNA_F
ClientSampleId :

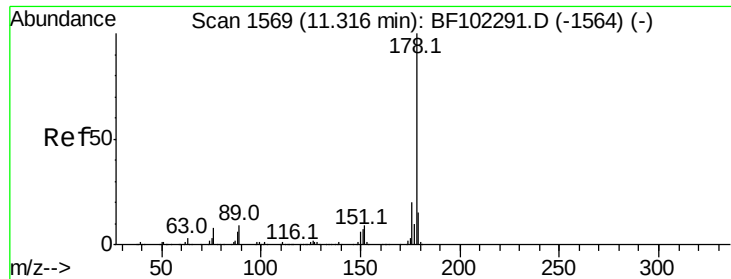
Tot Ion:188 Resp: 379472
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 13.1 9.2 13.8



#70
Phenanthrene
Concen: 36.610 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF102597.D
Acq: 29 Jan 2018 15:03

Tgt Ion:178 Resp: 809554
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.5 13.0 19.6

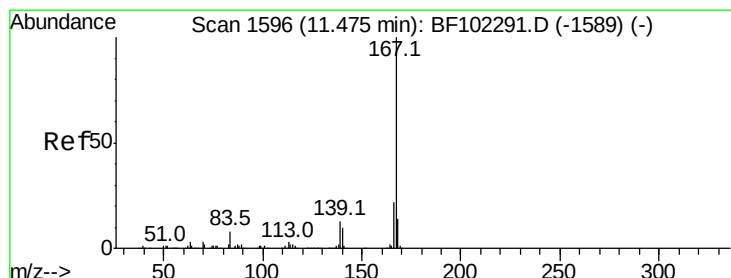
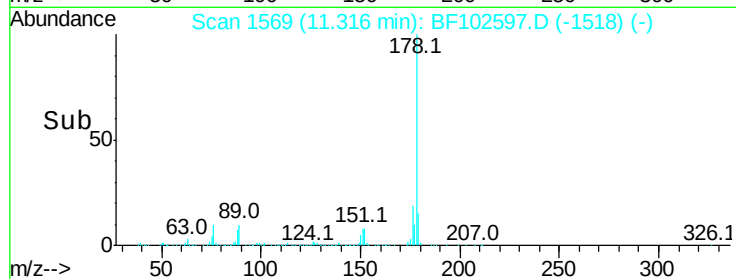
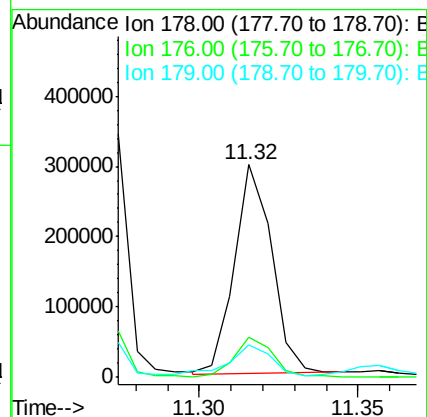
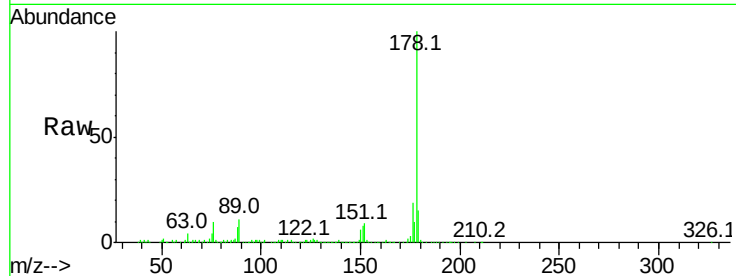




#71
 Anthracene
 Concen: 10.670 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF102597.D
 Acq: 29 Jan 2018 15:03

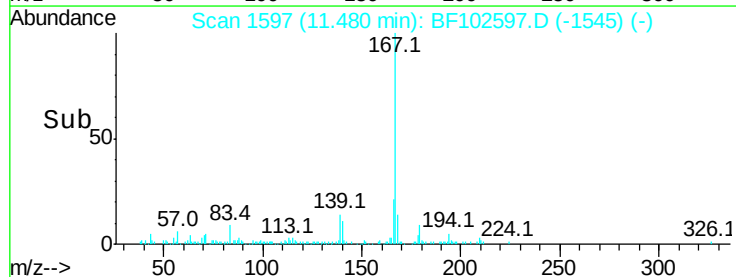
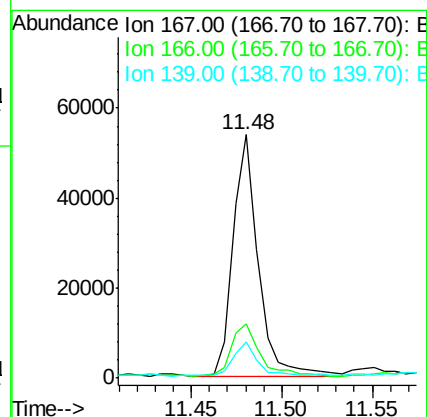
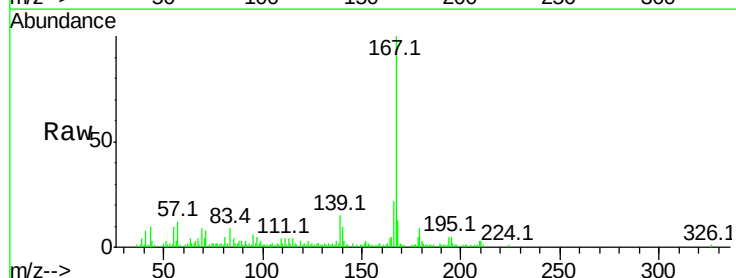
Instrument :
 BNA_F
 ClientSampled :

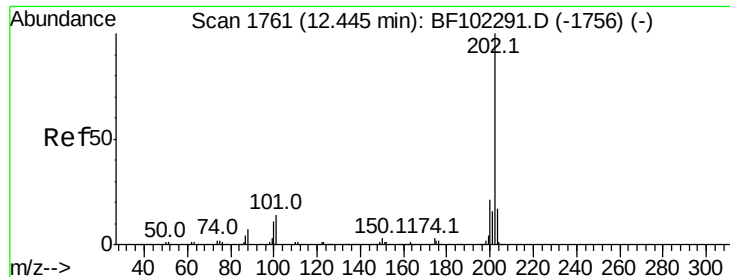
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.4	12.6	19.0



#72
 Carbazole
 Concen: 2.364 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF102597.D
 Acq: 29 Jan 2018 15:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	14.9	10.9	16.3





#74

Fluoranthene

Concen: 36.772 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102597.D

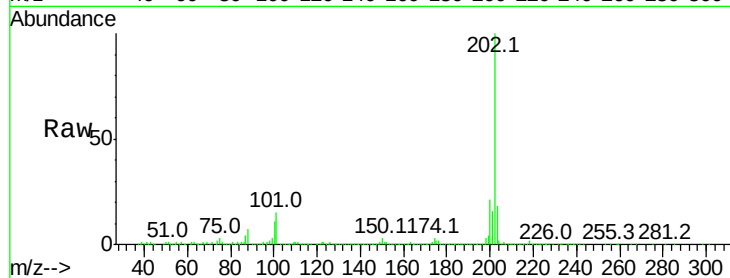
Acq: 29 Jan 2018 15:03

Instrument :

BNA_F

ClientSampleId :

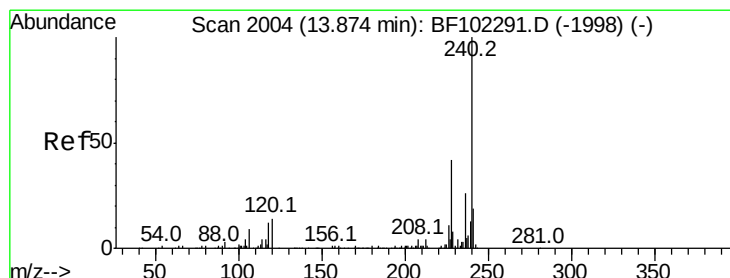
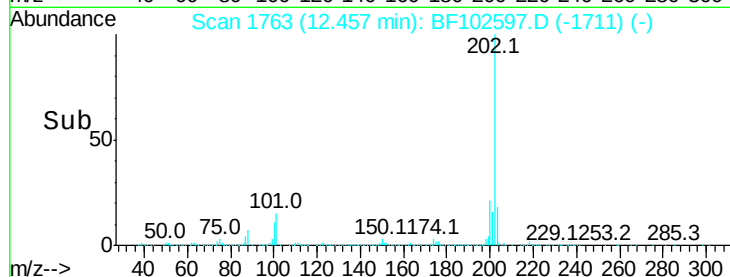
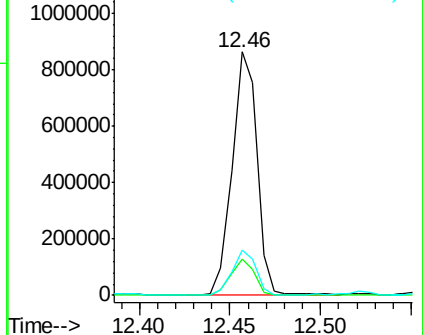
Tot Ion:	202	Resp:	829193
Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.1
203	18.3	0.0	38.1



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

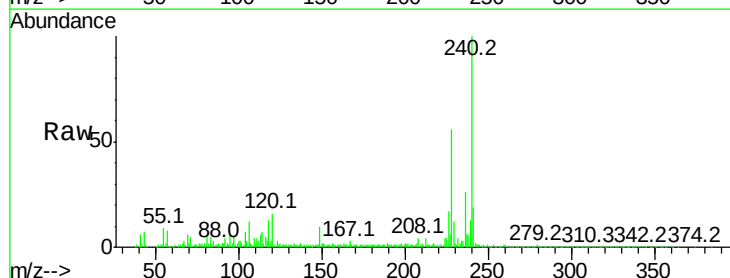
RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

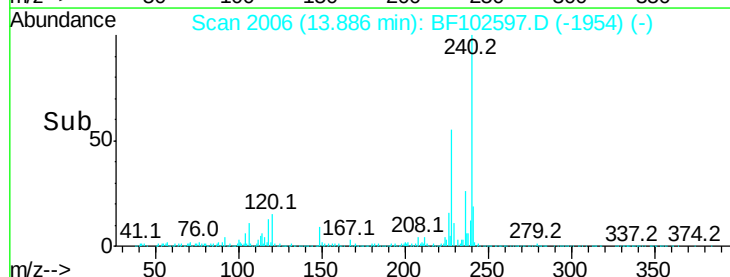
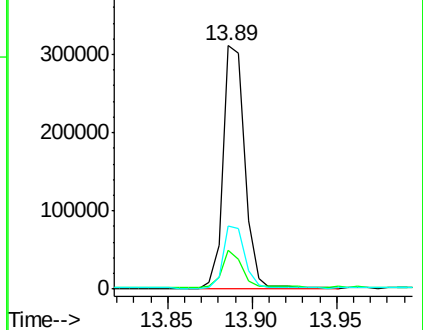
Tgt Ion:	240	Resp:	279303
Ion	Ratio	Lower	Upper
240	100		
120	15.8	9.5	14.3#
236	25.9	20.7	31.1

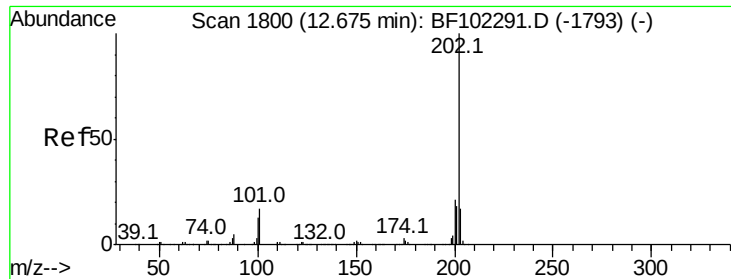


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

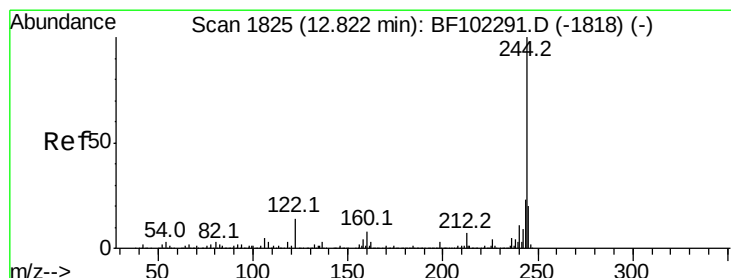
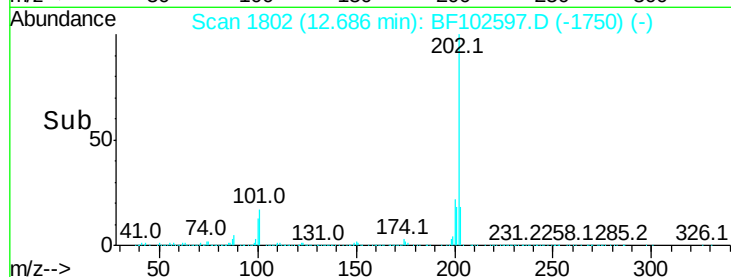
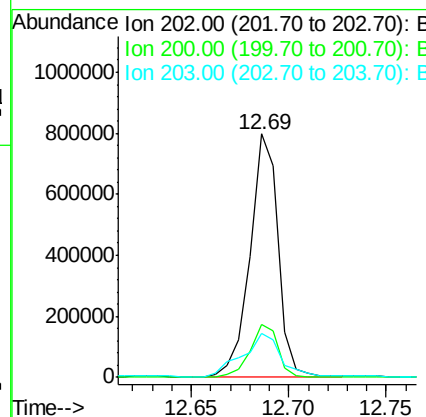
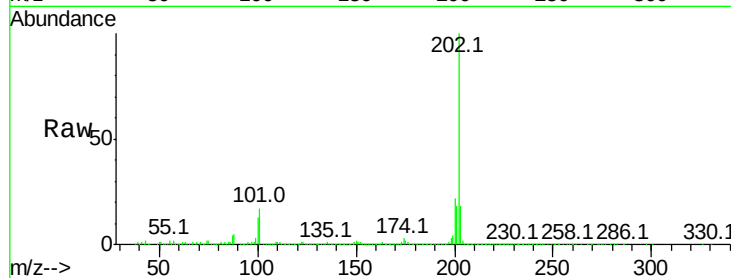




#77
Pvrene
Concen: 36.691 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF102597.D
Acq: 29 Jan 2018 15:03

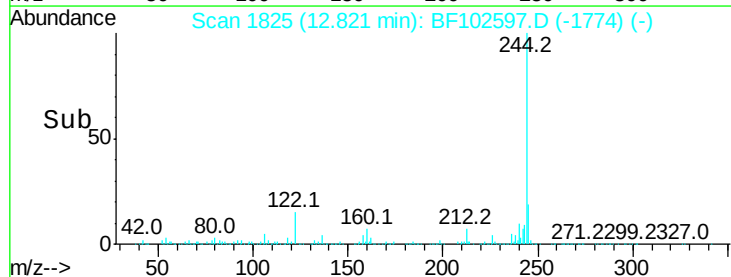
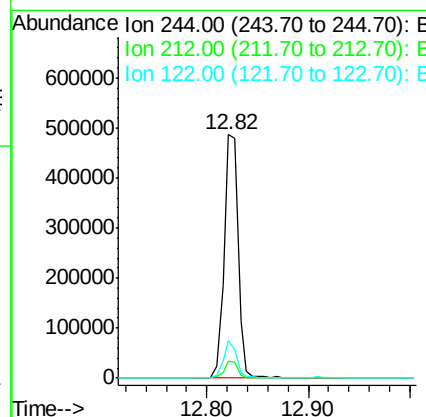
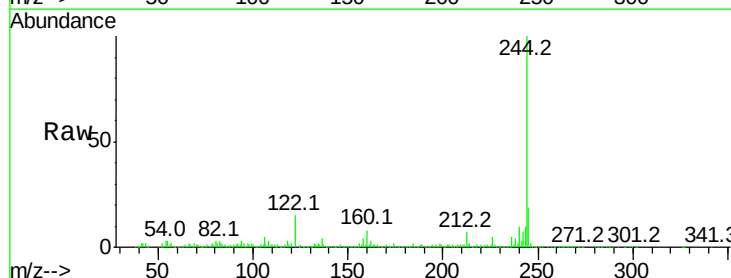
Instrument :
BNA_F
ClientSampleId :

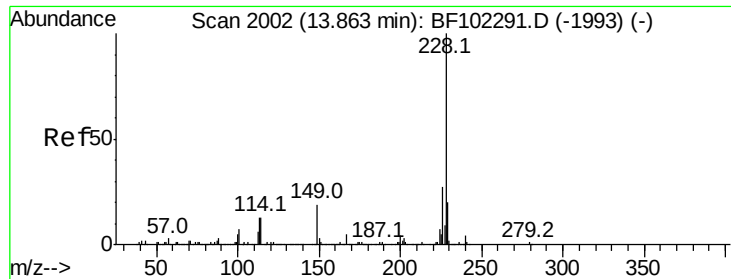
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.2	14.3	21.5



#78
Terphenyl-d14
Concen: 37.621 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF102597.D
Acq: 29 Jan 2018 15:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	15.4	11.0	16.4





#80

Benzo(a)anthracene

Concen: 12.215 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

Instrument :

BNA_F

ClientSampleId :

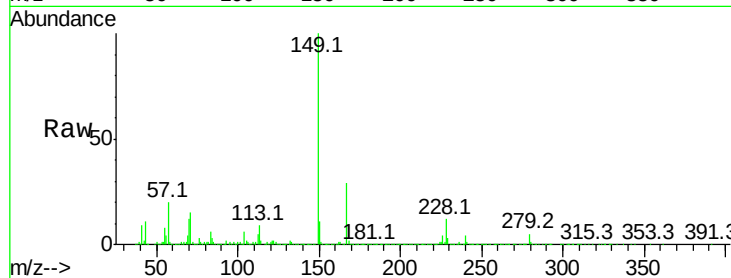
Tot Ion:228 Resp: 210046

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

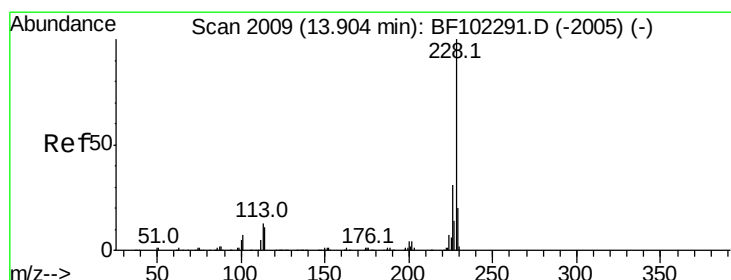
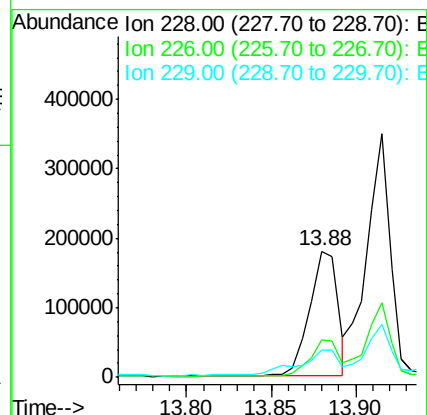
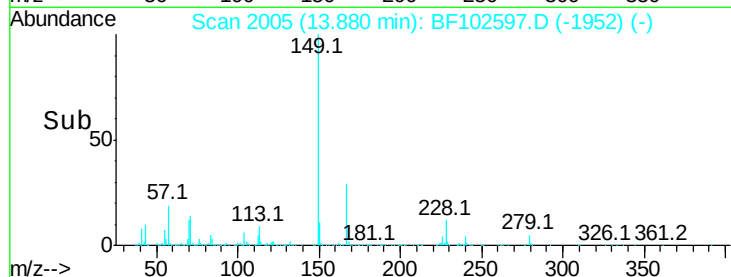
229 21.4 15.8 23.6



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: 19.688 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

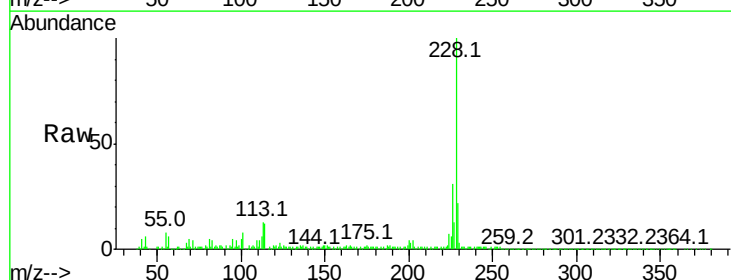
Tgt Ion:228 Resp: 343794

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

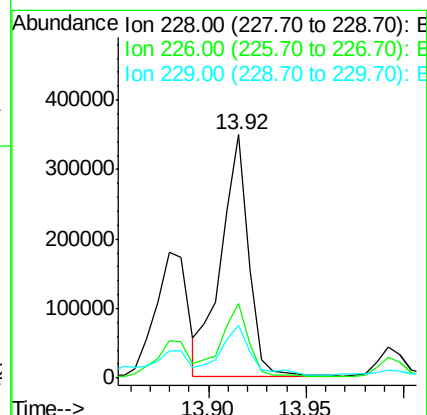
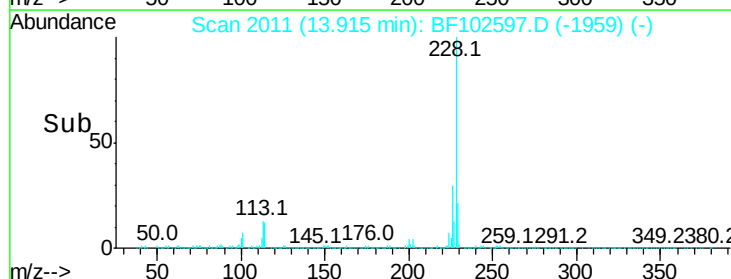
229 21.8 16.2 24.4

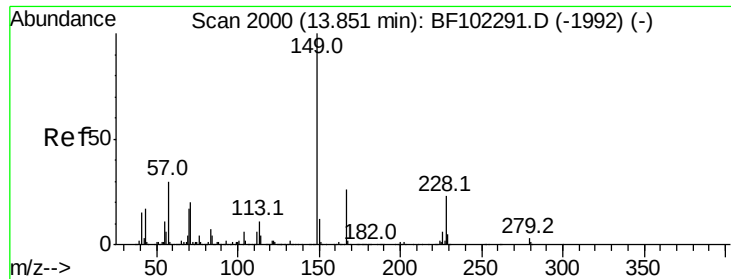


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

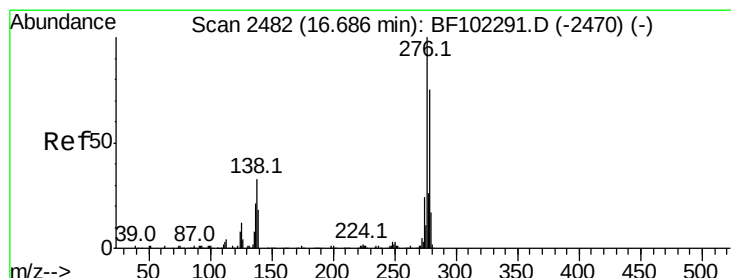
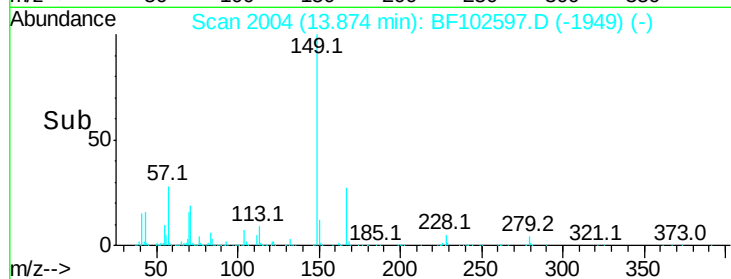
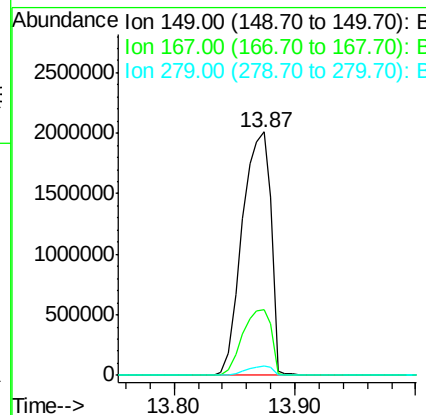
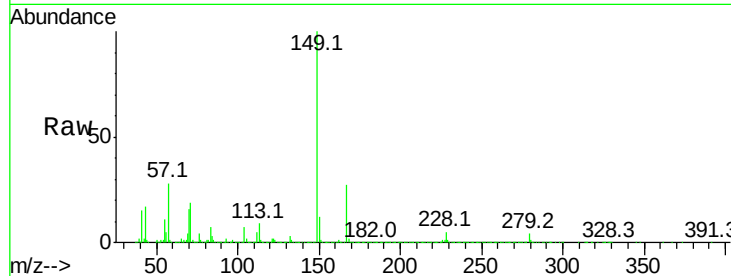




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 228.585 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.02 min
 Lab File: BF102597.D
 Acq: 29 Jan 2018 15:03

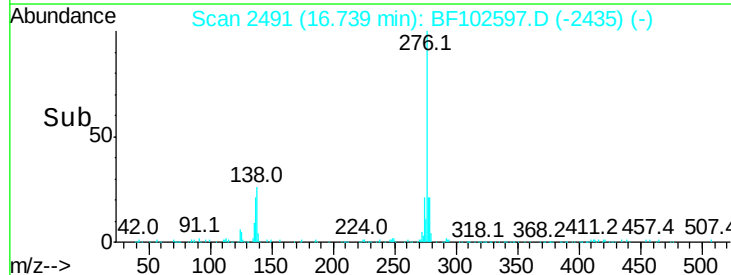
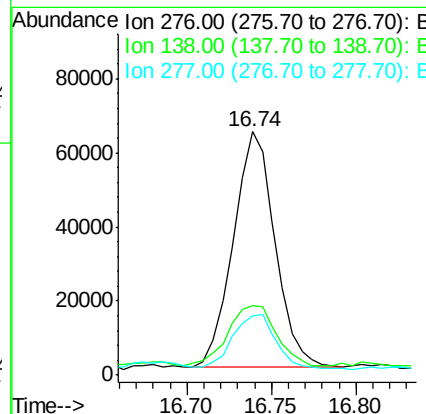
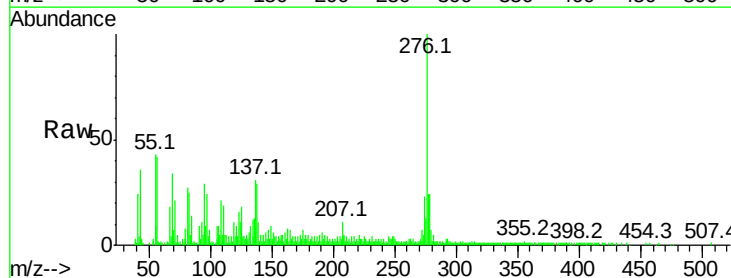
Instrument :
 BNA_F
 ClientSampleId :

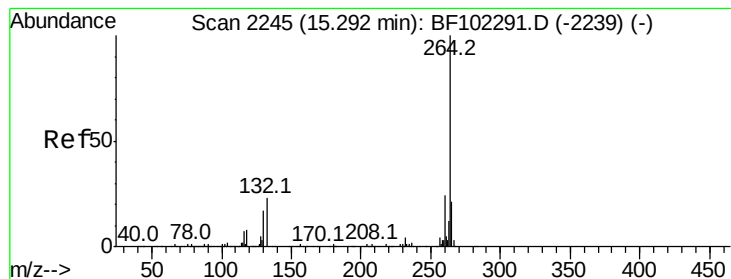
Tot Ion:149 Resp: 3301307
 Ion Ratio Lower Upper
 149 100
 167 27.0 21.3 31.9
 279 4.1 3.0 4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.599 ng
 RT: 16.74 min Scan# 2491
 Delta R.T. 0.03 min
 Lab File: BF102597.D
 Acq: 29 Jan 2018 15:03

Tgt Ion:276 Resp: 109585
 Ion Ratio Lower Upper
 276 100
 138 30.2 25.0 37.6
 277 24.4 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.02 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

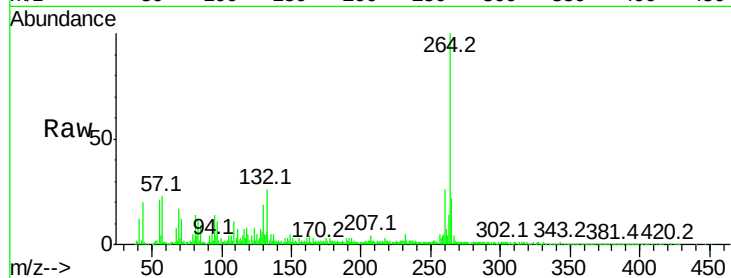
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 221395

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.2	28.8
265	22.3	17.5	26.3

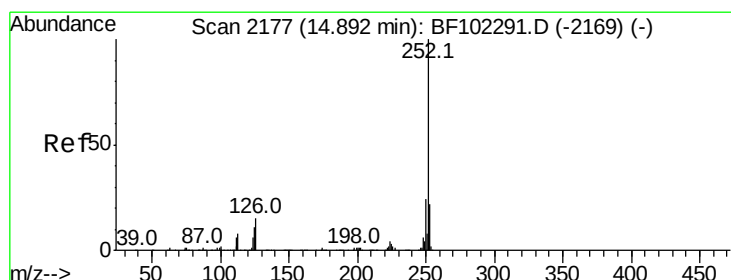
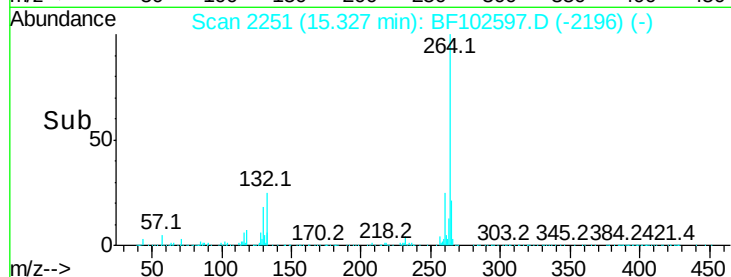
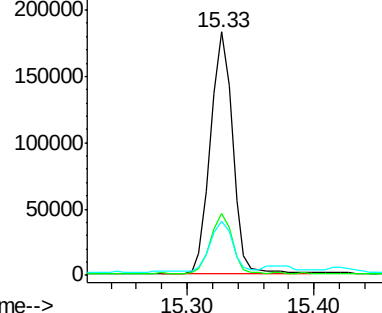


Abundance

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: 28.793 ng

RT: 14.92 min Scan# 2181

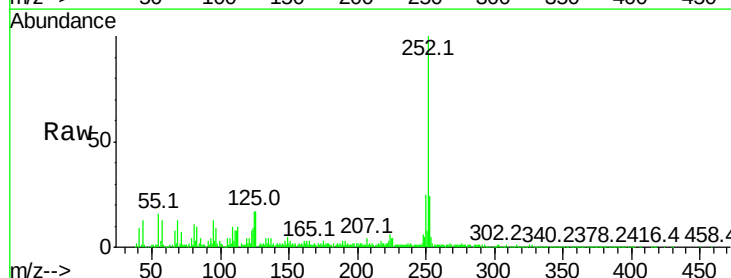
Delta R.T. 0.02 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

Tgt Ion:252 Resp: 413172

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	17.1	9.0	13.6

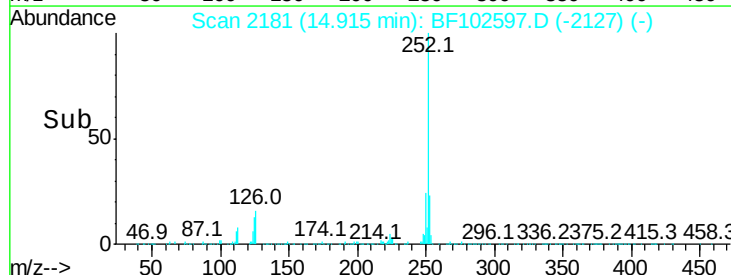
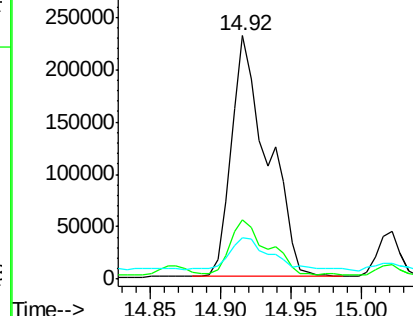


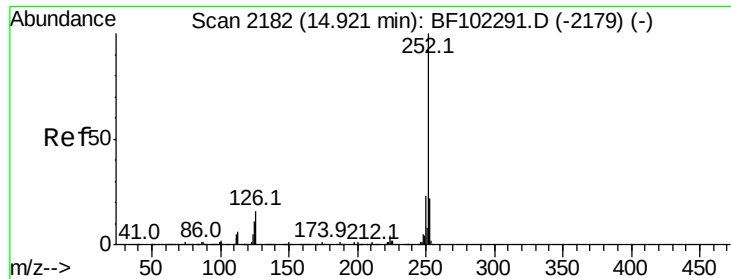
Abundance

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

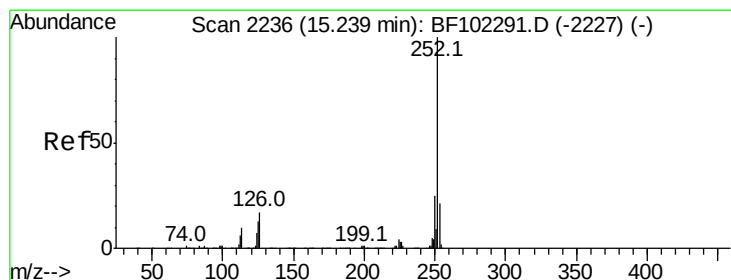
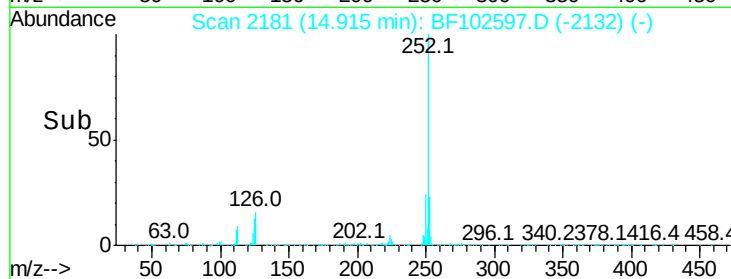
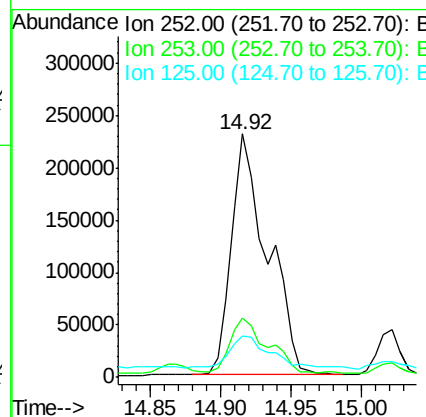
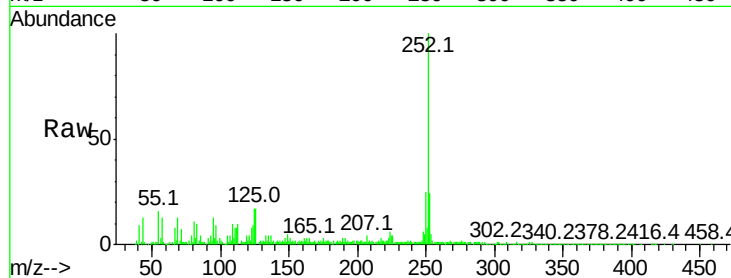




#88
Benzo(k)fluoranthene
Concen: 30.476 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF102597.D
Acq: 29 Jan 2018 15:03

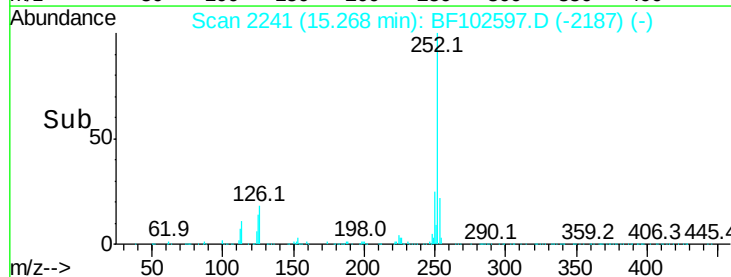
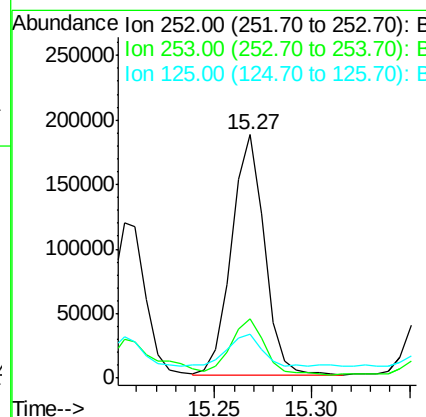
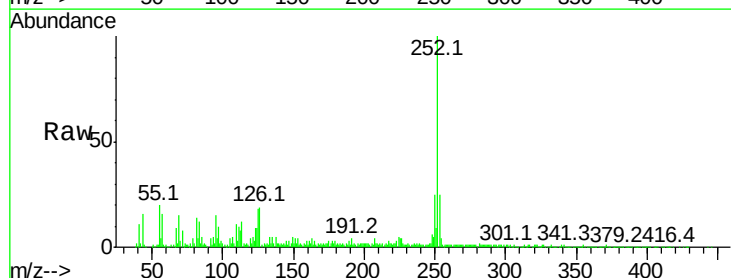
Instrument :
BNA_F
ClientSampleId :

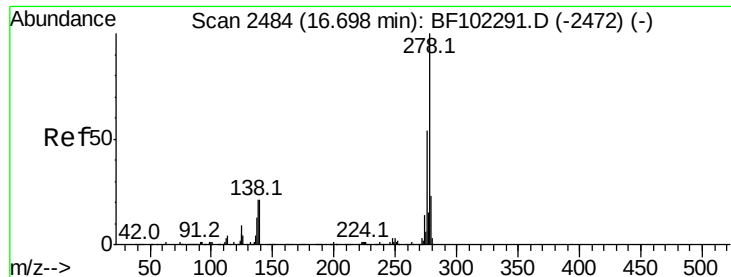
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	17.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 16.969 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF102597.D
Acq: 29 Jan 2018 15:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	17.8	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.639 ng

RT: 16.74 min Scan# 2491

Delta R.T. 0.02 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

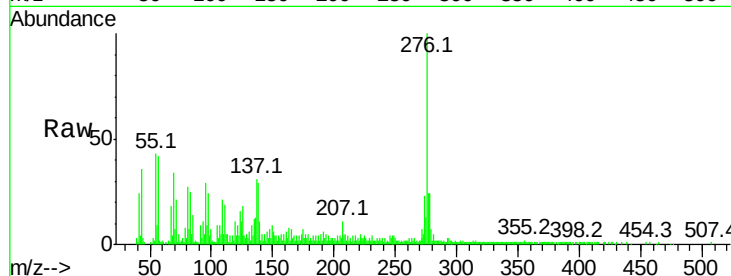
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 27662

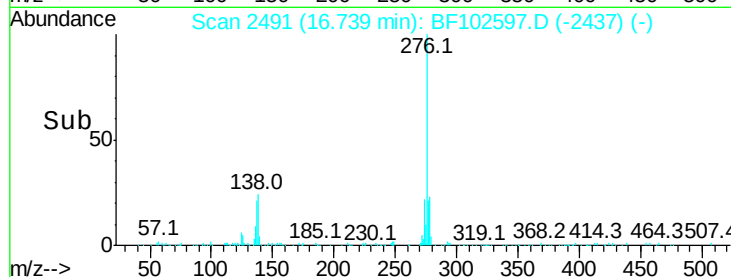
Ion	Ratio	Lower	Upper
278	100		
139	43.7	15.9	23.9
279	27.4	19.0	28.4



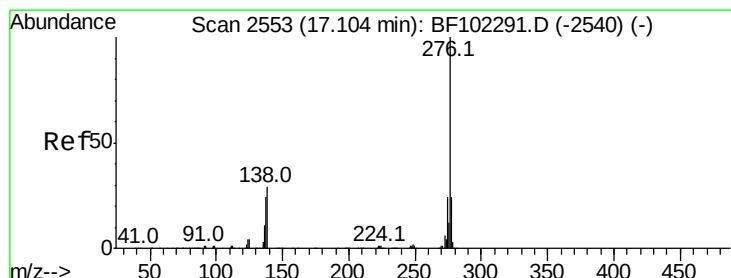
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#91

Benzo(g,h,i)perylene

Concen: 10.251 ng

RT: 17.17 min Scan# 2564

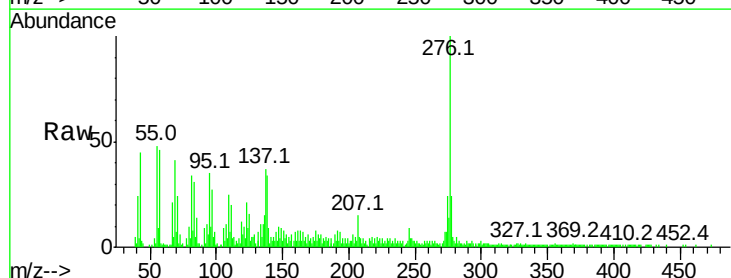
Delta R.T. 0.04 min

Lab File: BF102597.D

Acq: 29 Jan 2018 15:03

Tgt Ion:276 Resp: 106113

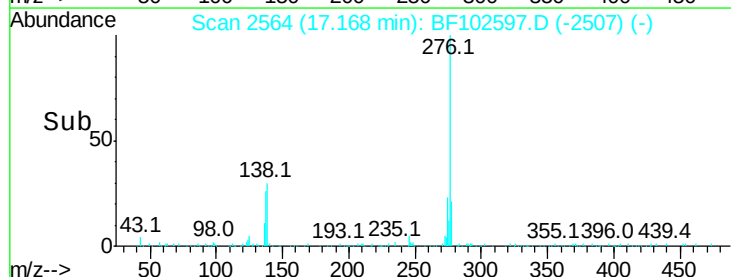
Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	33.8	21.8	32.8



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



Time-->