

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102514.D
 Acq On : 27 Jan 2018 17:05
 Operator : SJ/JU
 Sample : J1023-05 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012518

Quant Time: Jan 27 20:59:47 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	6.71	152	151229	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	603065	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	248282	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	361785	20.00	ng	0.00
75) Chrysene-d12	13.87	240	270673	20.00	ng	0.00
86) Perylene-d12	15.30	264	272290	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	531952	53.33	ng	0.00
7) Phenol-d6	6.35	99	627569	52.19	ng	-0.01
23) Nitrobenzene-d5	7.27	82	381177	36.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	101425	41.23	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	618781	36.64	ng	0.00
78) Terphenyl-d14	12.82	244	393249	32.75	ng	0.00

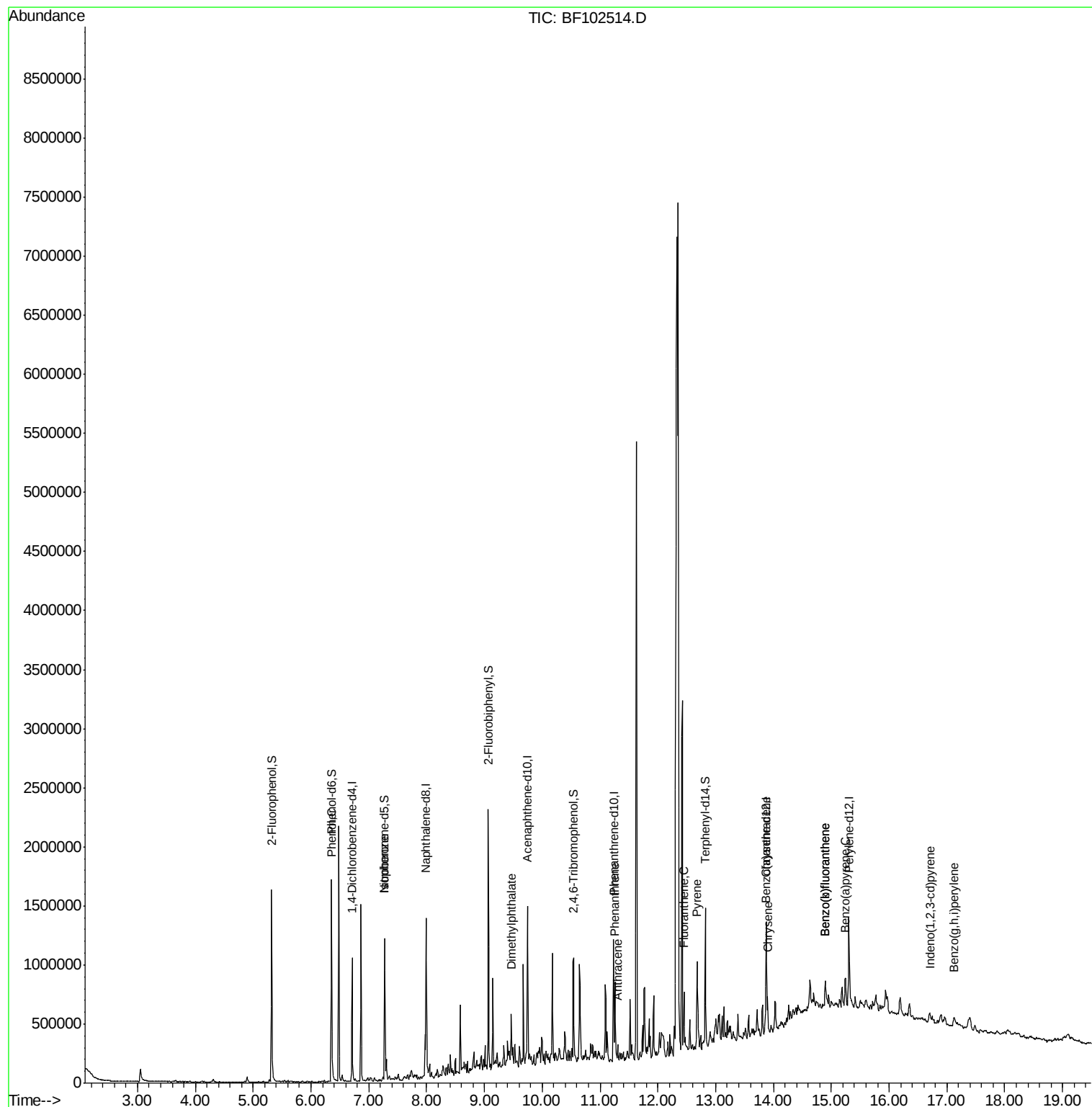
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	26498	2.019	ng	77
25) Isophorone	7.27	82	378088	20.209	ng	# 64
49) Dimethylphthalate	9.46	163	81760	3.984	ng	99
70) Phenanthrene	11.26	178	224864	10.666	ng	99
71) Anthracene	11.31	178	43811	2.036	ng	95
74) Fluoranthene	12.45	202	201668	9.381	ng	99
77) Pyrene	12.68	202	279842	13.372	ng	98
80) Benzo(a)anthracene	13.86	228	123330	7.401	ng	92
82) Chrysene	13.90	228	121872	7.202	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	43040	3.080	ng	98
87) Benzo(b)fluoranthene	14.90	252	146898	8.324	ng	# 86
88) Benzo(k)fluoranthene	14.90	252	146898	8.810	ng	# 89
89) Benzo(a)pyrene	15.24	252	97991	6.156	ng	# 91
91) Benzo(g,h,i)perylene	17.13	276	51516	4.047	ng	91

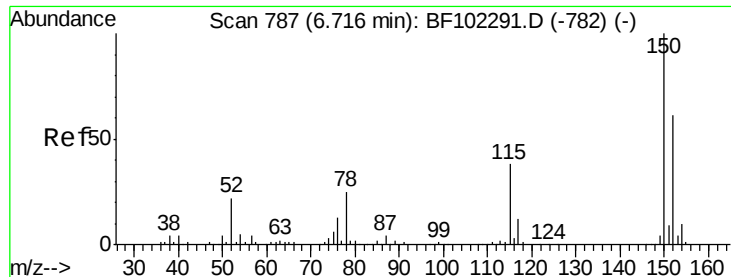
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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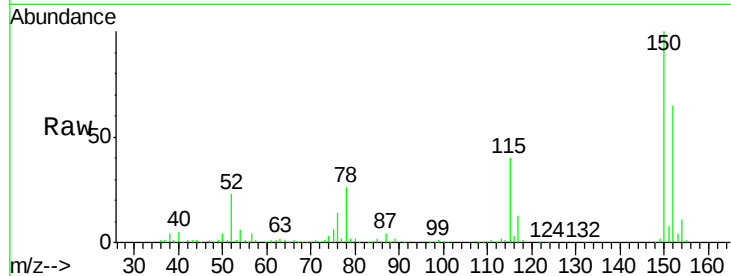


#1

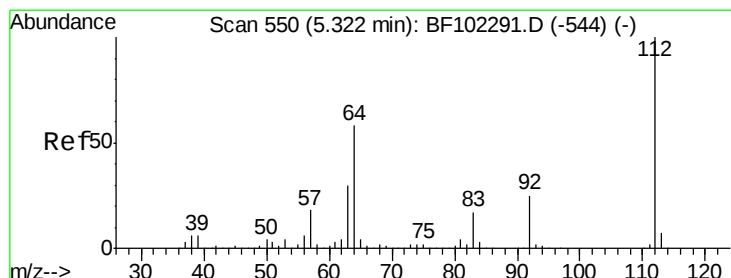
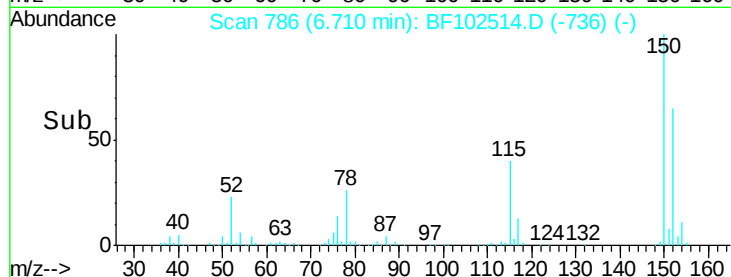
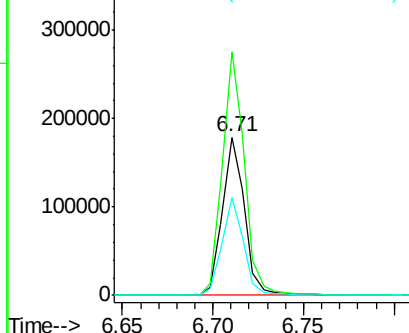
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102514.D
 Acq: 27 Jan 2018 17:05

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012518

Tgt Ion:152 Resp: 151229
 Ion Ratio Lower Upper
 152 100
 150 153.8 124.6 186.8
 115 61.9 50.1 75.1



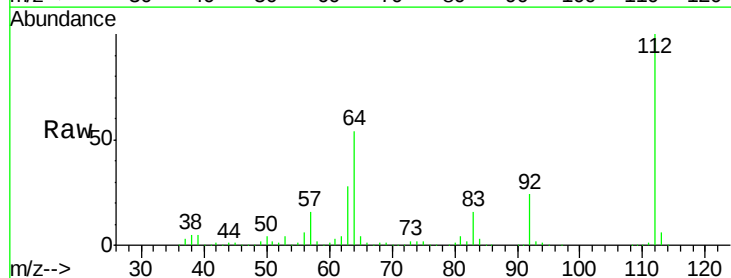
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



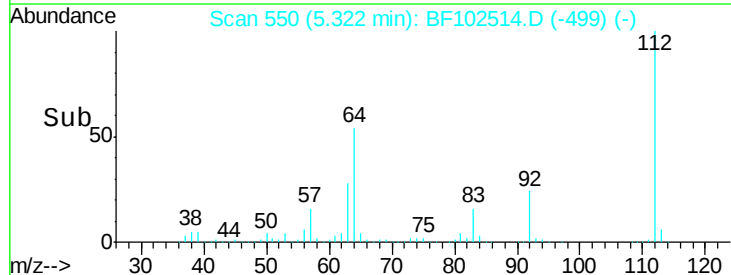
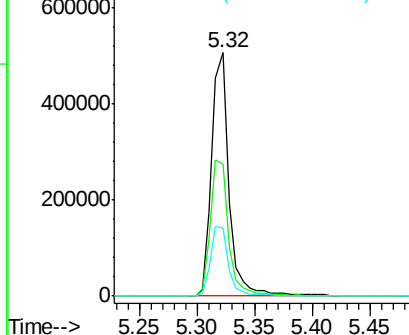
#5

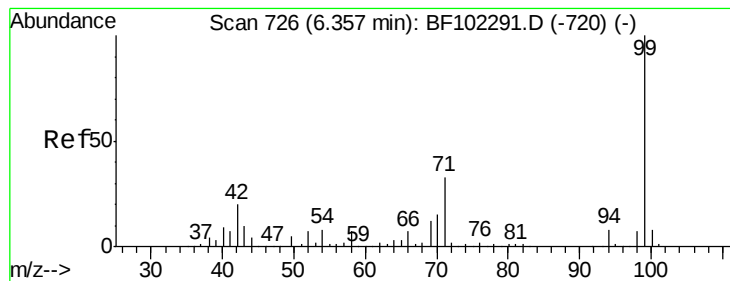
2-Fluorophenol
 Concen: 53.335 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: BF102514.D
 Acq: 27 Jan 2018 17:05

Tgt Ion:112 Resp: 531952
 Ion Ratio Lower Upper
 112 100
 64 54.3 47.9 71.9
 63 27.9 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: 52.192 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

ClientSampleId :

TR-05-012518

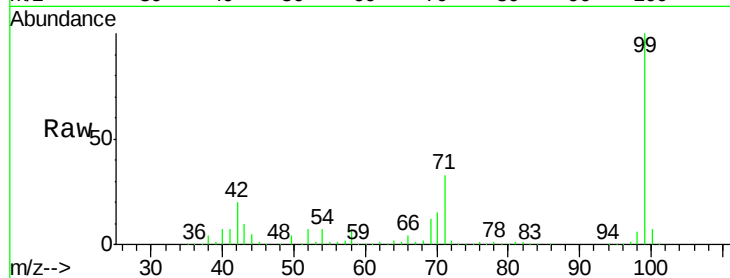
Tgt Ion: 99 Resp: 627569

Ion Ratio Lower Upper

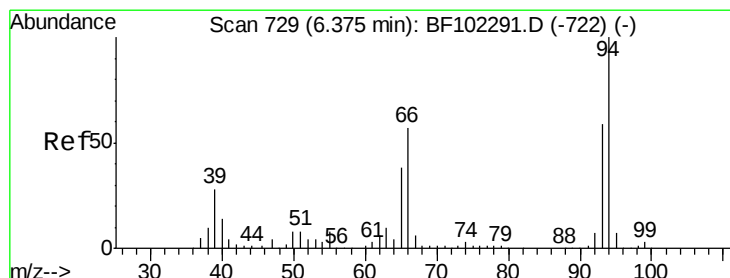
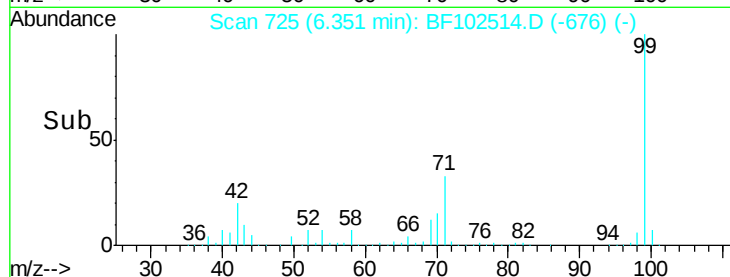
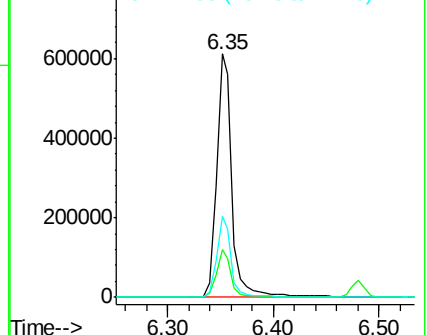
99 100

42 19.7 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



#10

Phenol

Concen: 2.019 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

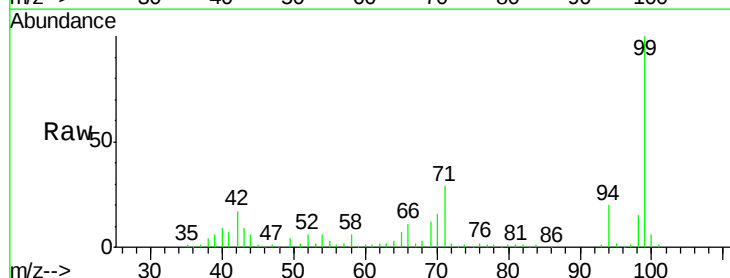
Tgt Ion: 94 Resp: 26498

Ion Ratio Lower Upper

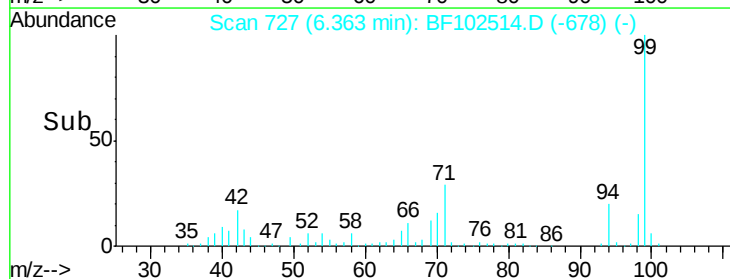
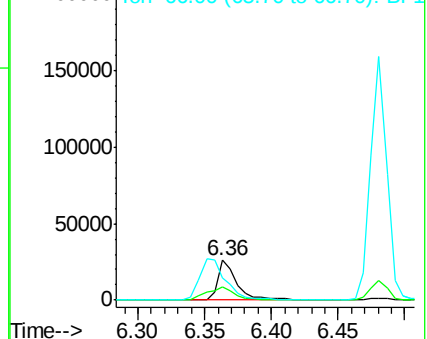
94 100

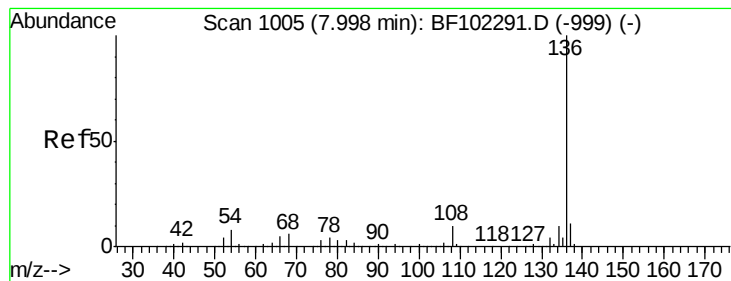
65 33.3 7.9 47.9

66 55.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

ClientSampleId :

TR-05-012518

Tgt Ion: 136 Resp: 603065

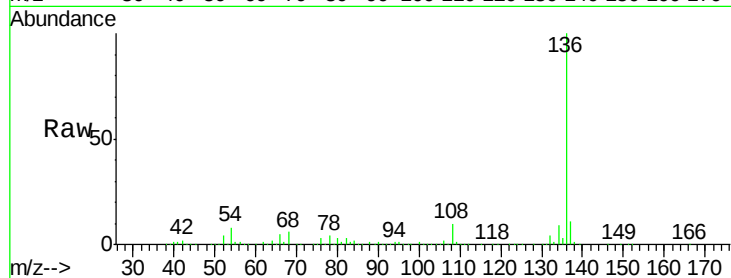
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 8.5 6.6 9.8

68 6.2 5.0 7.4

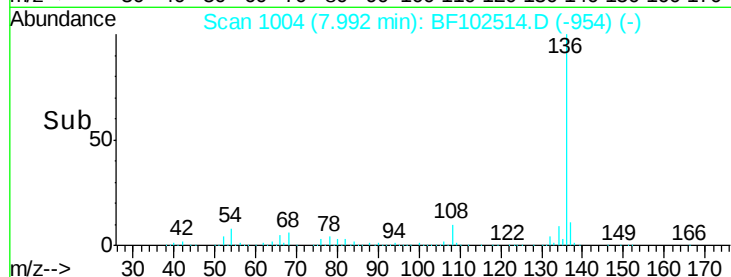


Abundance Ion 136.00 (135.70 to 136.70): E

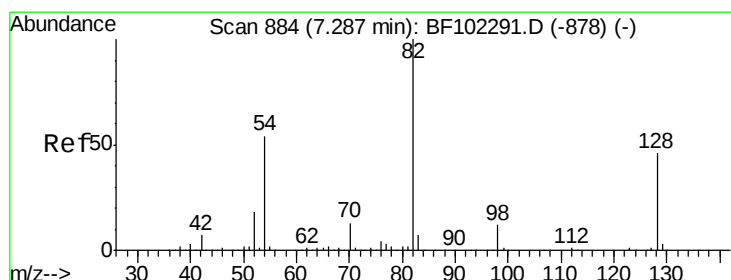
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 36.323 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

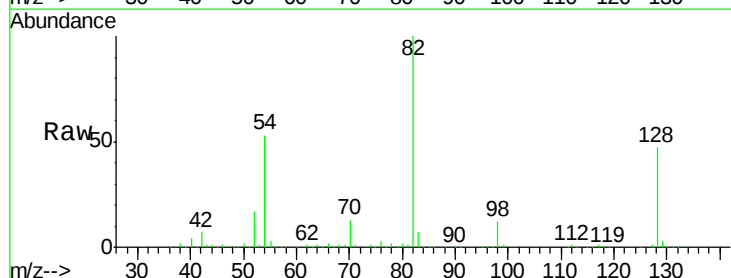
Tgt Ion: 82 Resp: 381177

Ion Ratio Lower Upper

82 100

128 46.7 36.1 54.1

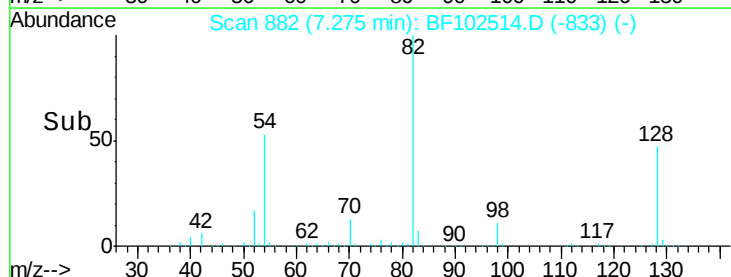
54 53.4 41.4 62.2



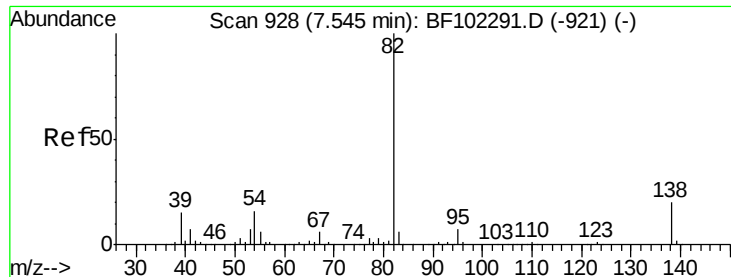
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 20.209 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

ClientSampleId :

TR-05-012518

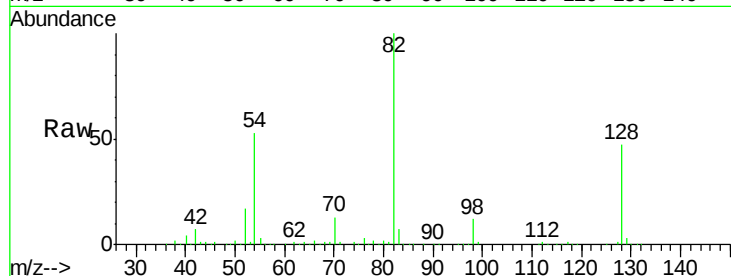
Tgt Ion: 82 Resp: 378088

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#

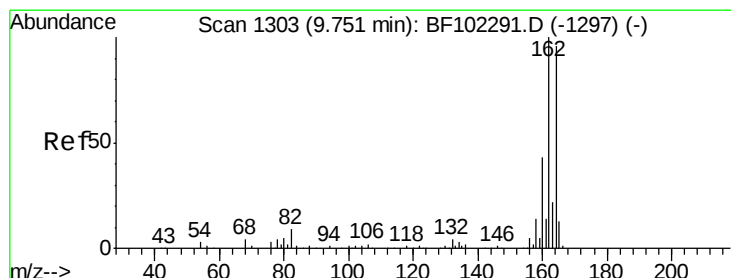
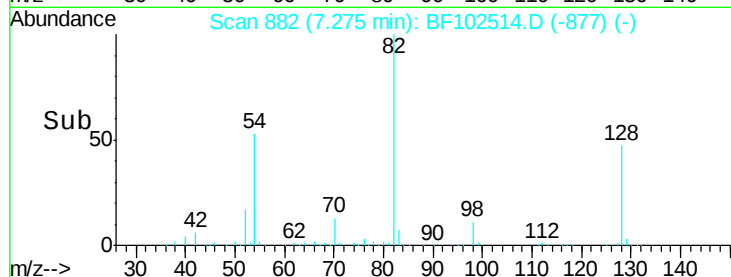


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

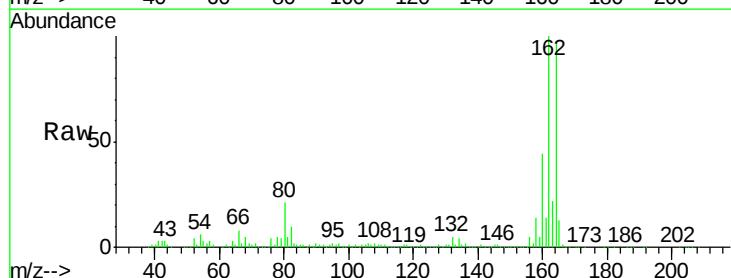
Tgt Ion: 164 Resp: 248282

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

160 44.7 38.3 57.5

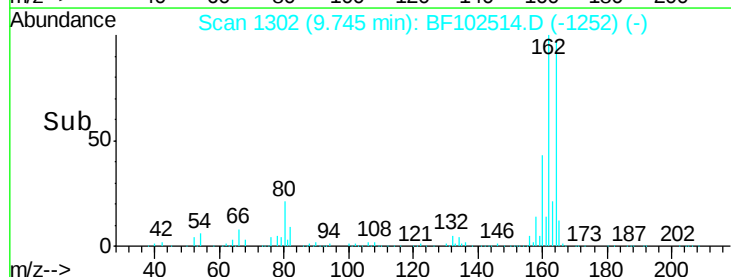


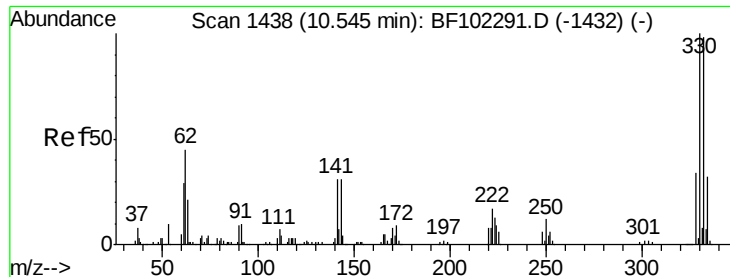
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->

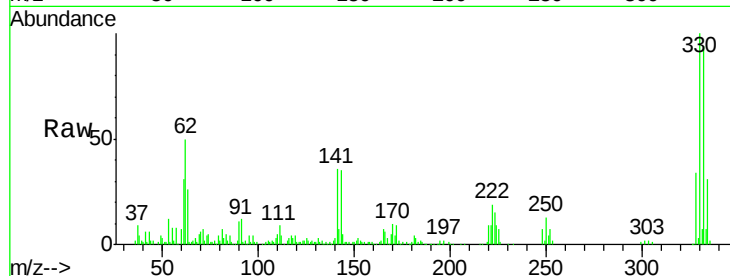




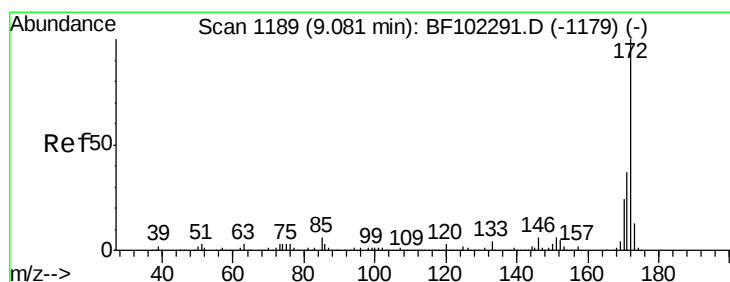
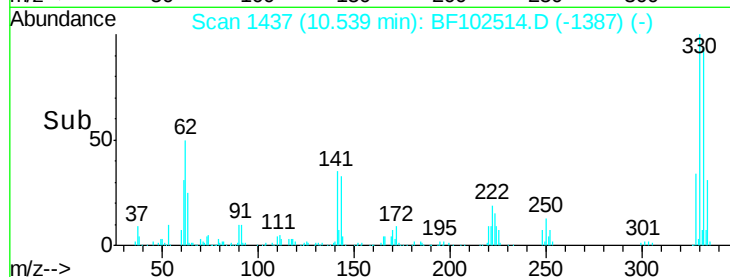
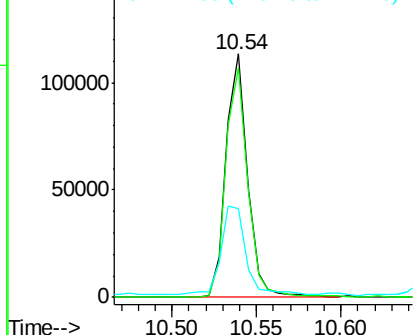
#41
 2,4,6-Tribromophenol
 Concen: 41.228 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102514.D
 Acq: 27 Jan 2018 17:05

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012518

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	41.9	29.9	44.9

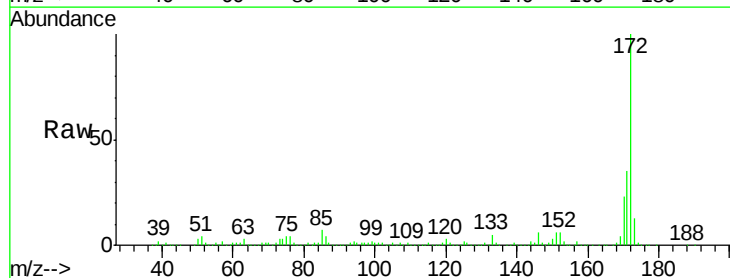


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

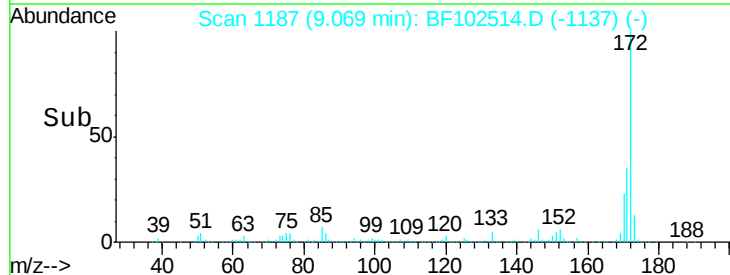
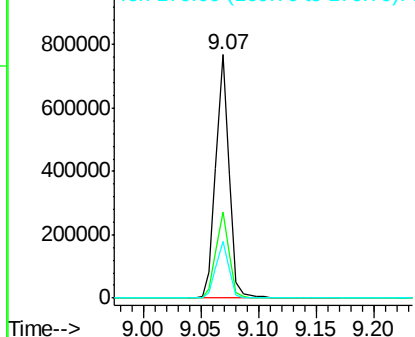


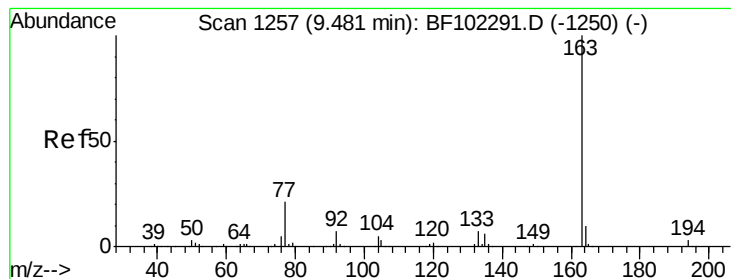
#44
 2-Fluorobiphenyl
 Concen: 36.645 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102514.D
 Acq: 27 Jan 2018 17:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.5	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: 3.984 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

ClientSampleId :

TR-05-012518

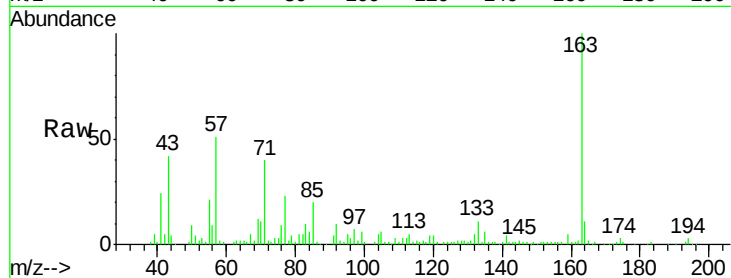
Tgt Ion:163 Resp: 81760

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

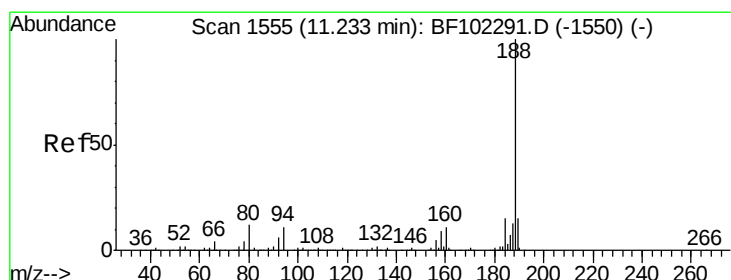
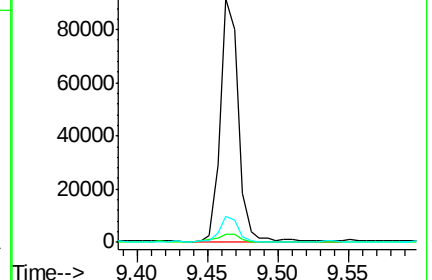
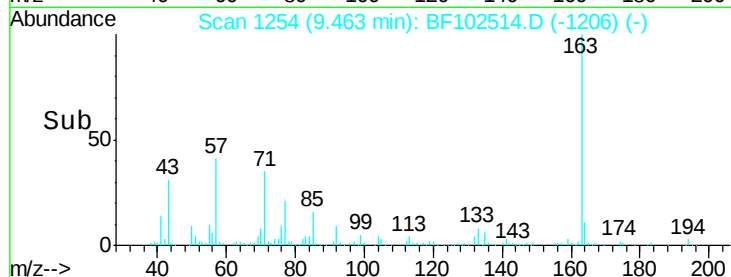
164 10.6 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

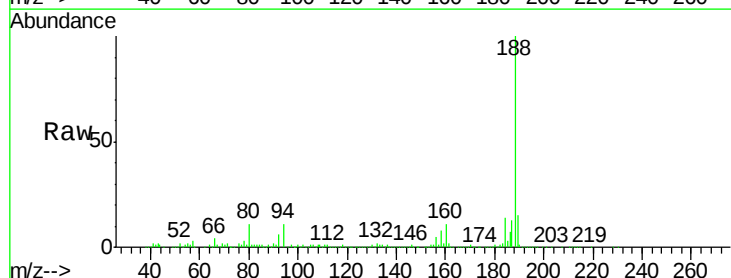
Tgt Ion:188 Resp: 361785

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

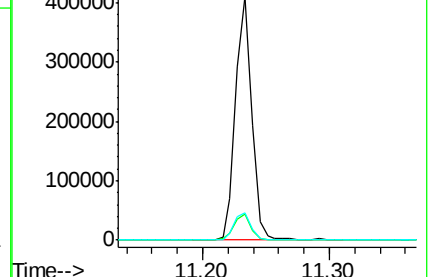
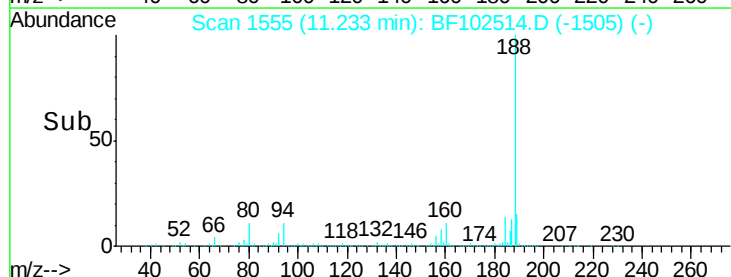
80 11.0 9.2 13.8

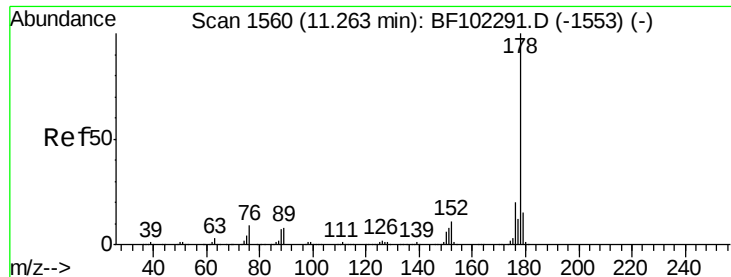


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 10.666 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

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TR-05-012518

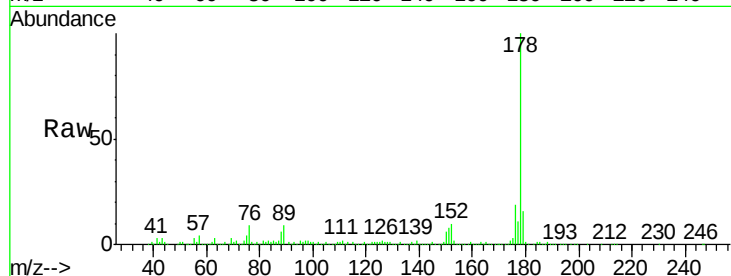
Tgt Ion:178 Resp: 224864

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

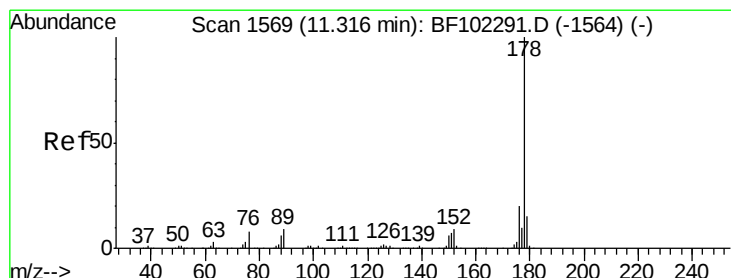
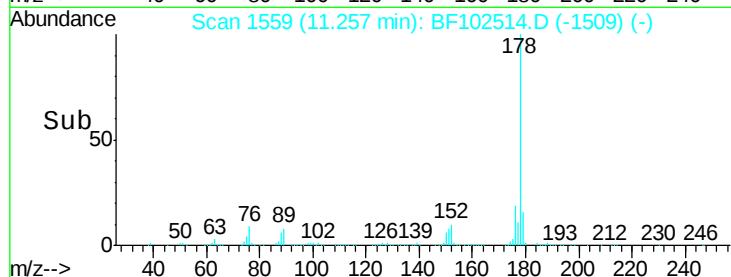
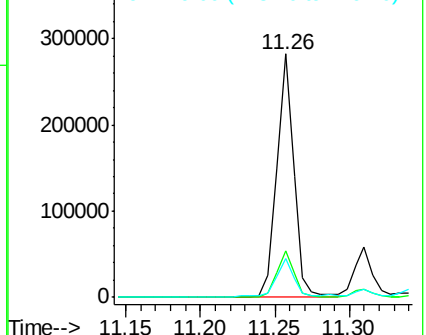
179 16.0 13.0 19.6



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: 2.036 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

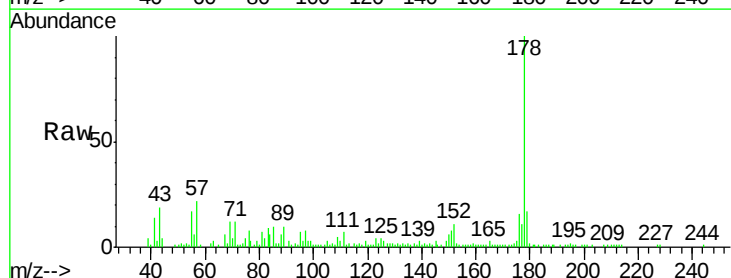
Tgt Ion:178 Resp: 43811

Ion Ratio Lower Upper

178 100

176 16.2 15.4 23.2

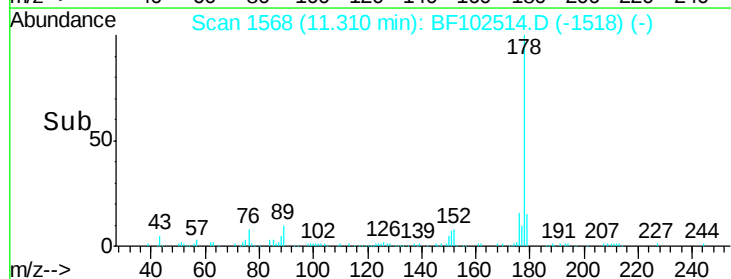
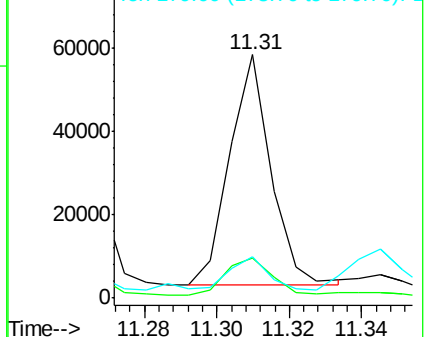
179 16.9 12.6 19.0

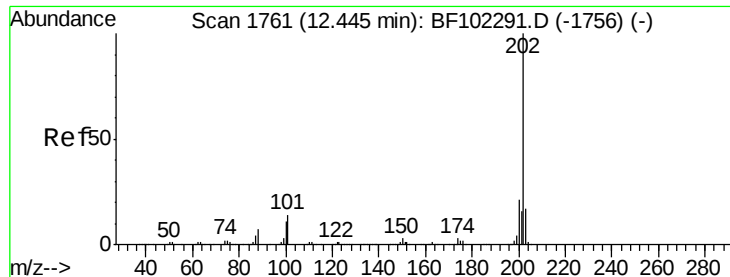


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.381 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

ClientSampleId :

TR-05-012518

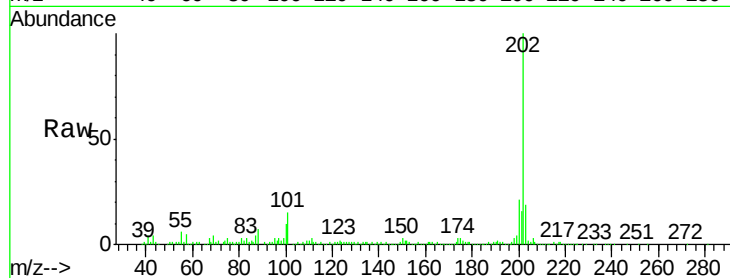
Tgt Ion:202 Resp: 201668

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.1

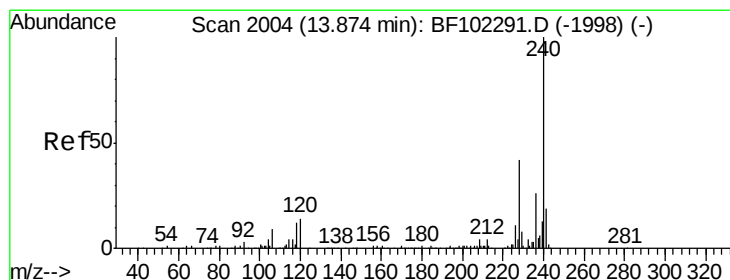
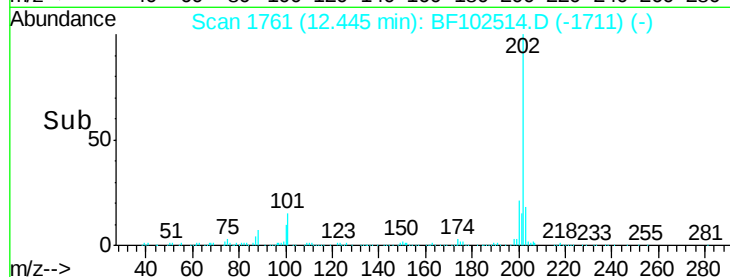
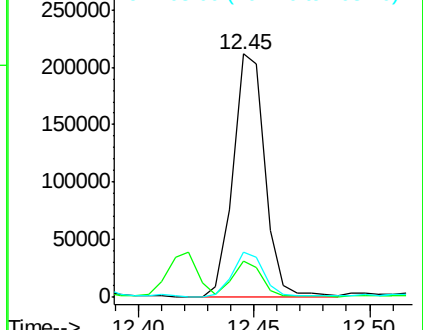
203 18.5 0.0 38.1



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# 2004

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

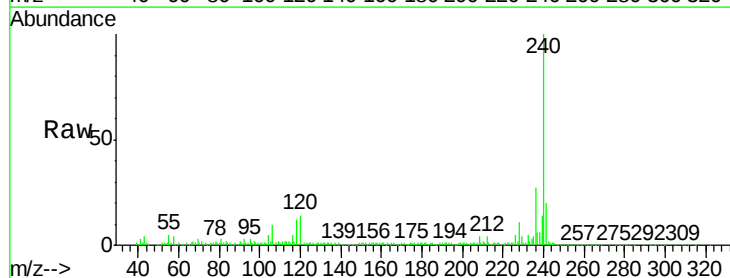
Tgt Ion:240 Resp: 270673

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

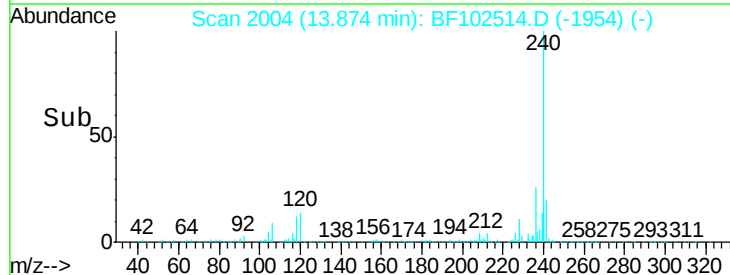
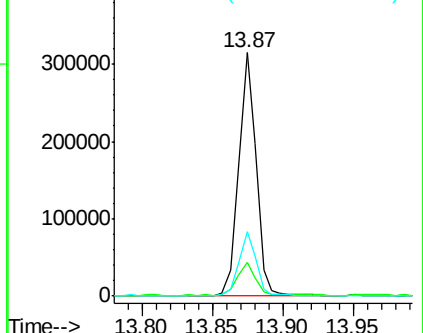
236 26.6 20.7 31.1

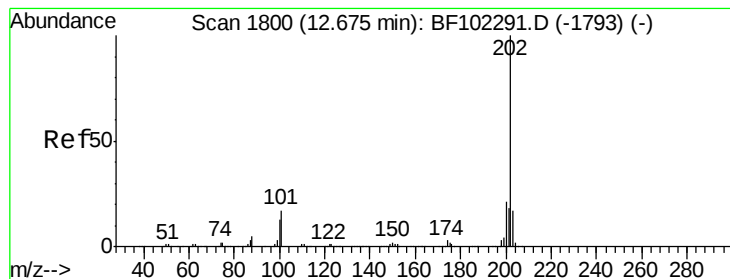


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.372 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

ClientSampleId :

TR-05-012518

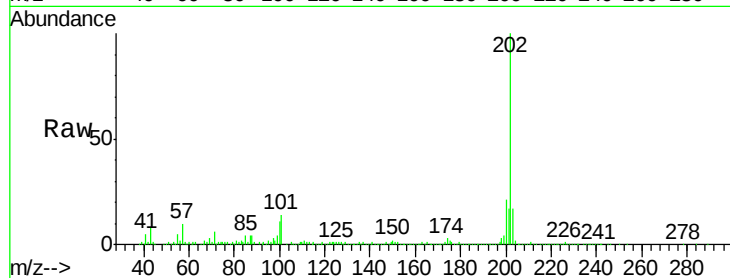
Tgt Ion:202 Resp: 279842

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

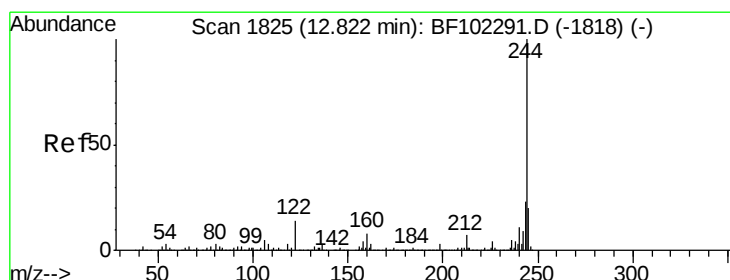
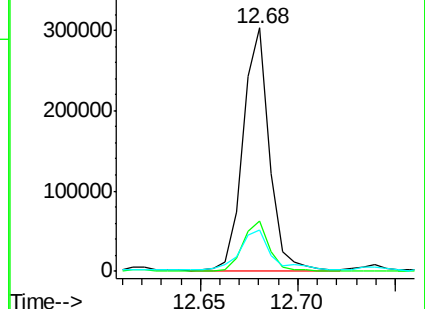
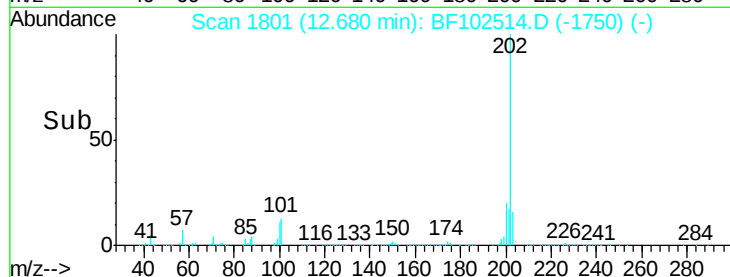
203 17.2 14.3 21.5



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: 32.753 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

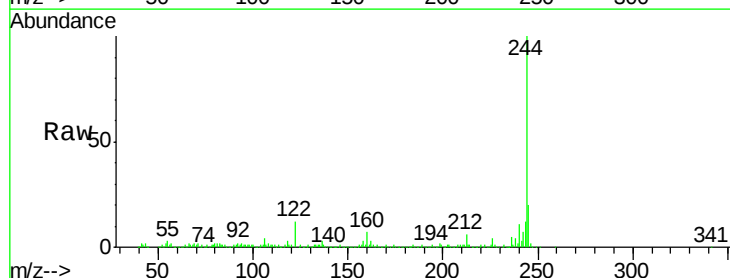
Tgt Ion:244 Resp: 393249

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

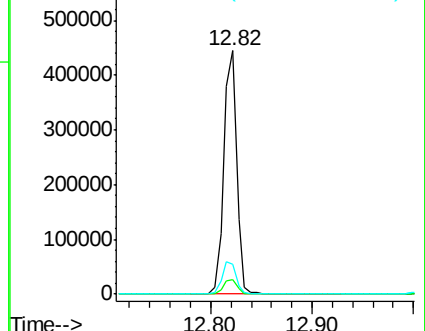
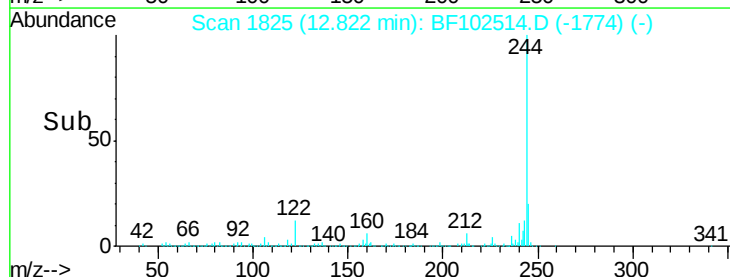
122 12.5 11.0 16.4

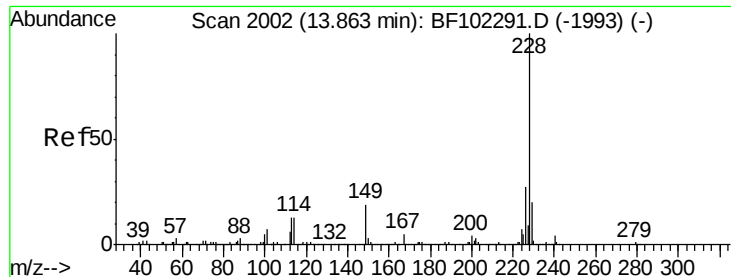


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.401 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

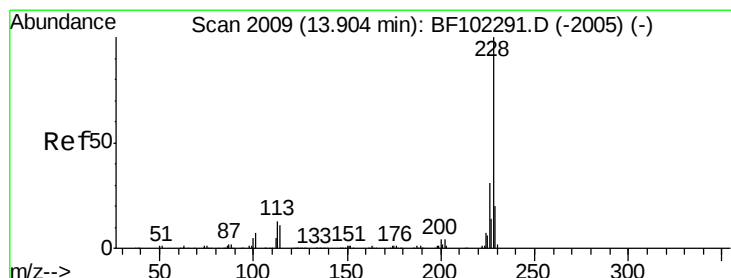
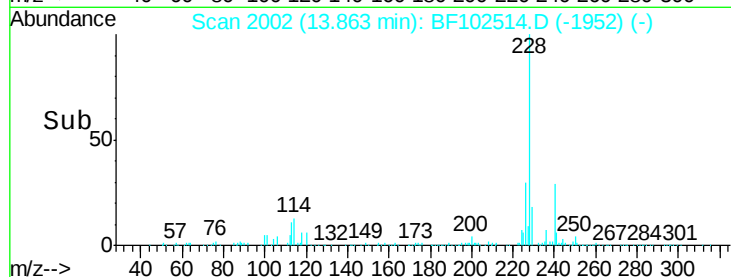
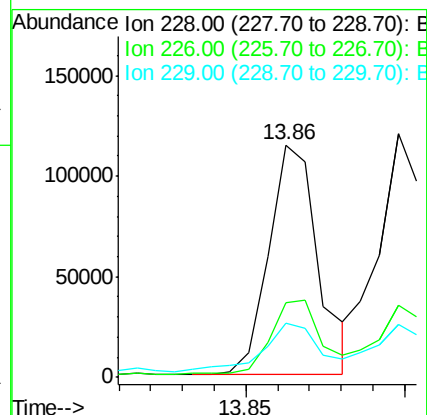
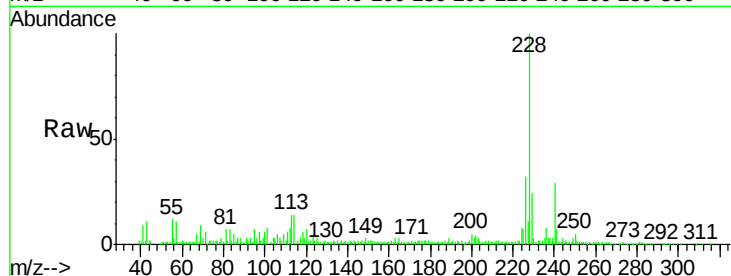
Instrument :

BNA_F

ClientSampleId :

TR-05-012518

Tgt Ion:	228	Resp:	123330
Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	23.5	15.8	23.6



#82

Chrysene

Concen: 7.202 ng

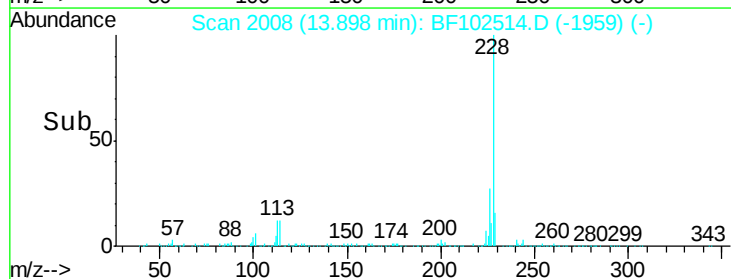
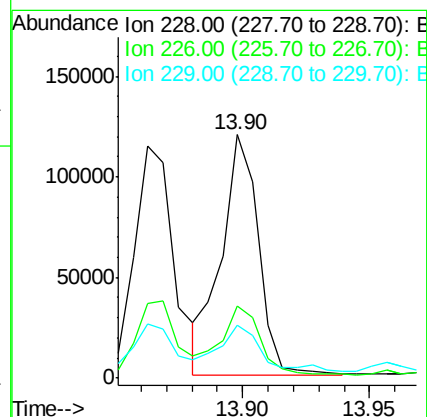
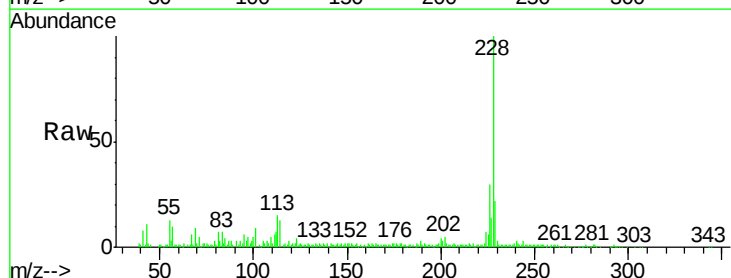
RT: 13.90 min Scan# 2008

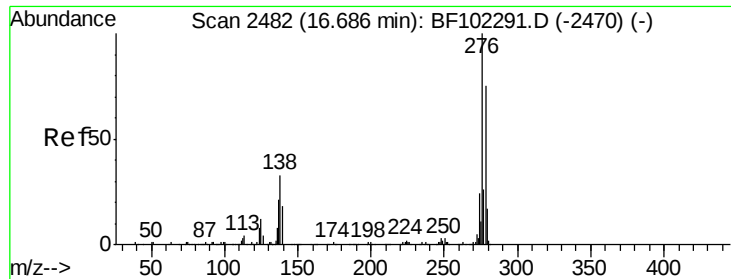
Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Tgt Ion:	228	Resp:	121872
Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	21.6	16.2	24.4

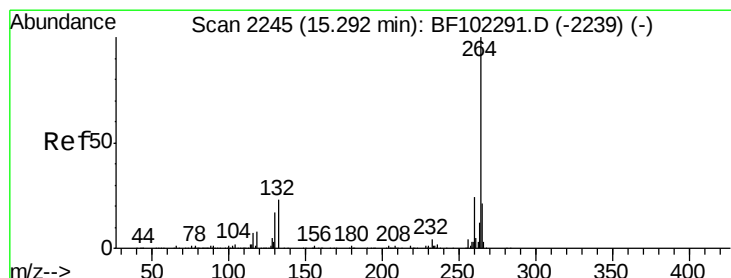
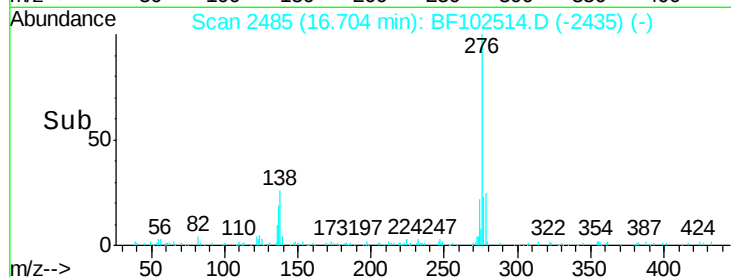
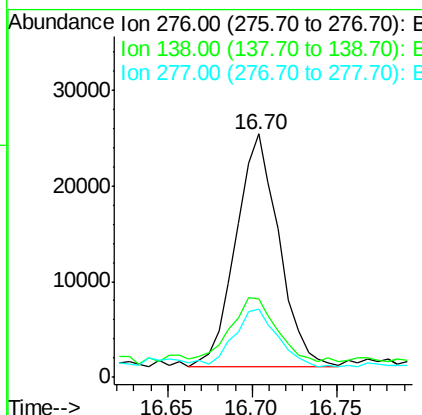
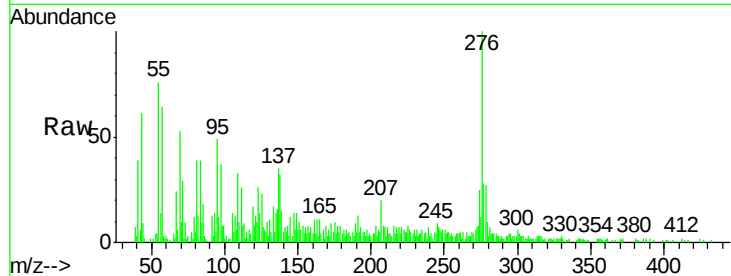




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.080 ng
 RT: 16.70 min Scan# 2485
 Delta R.T. -0.01 min
 Lab File: BF102514.D
 Acq: 27 Jan 2018 17:05

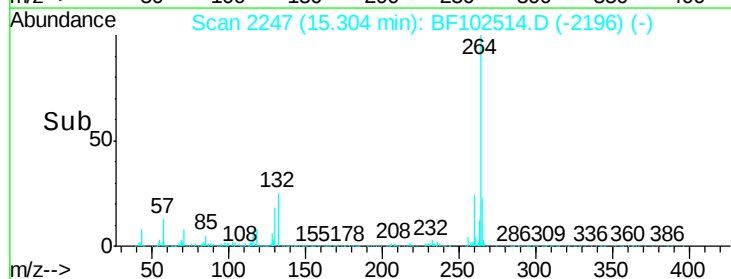
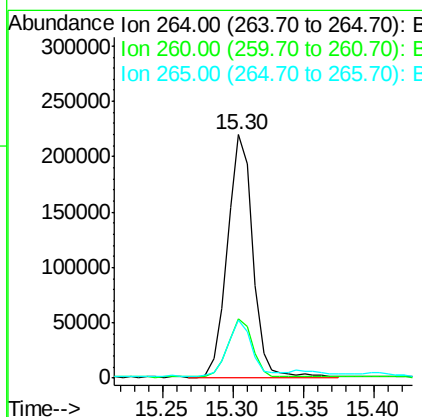
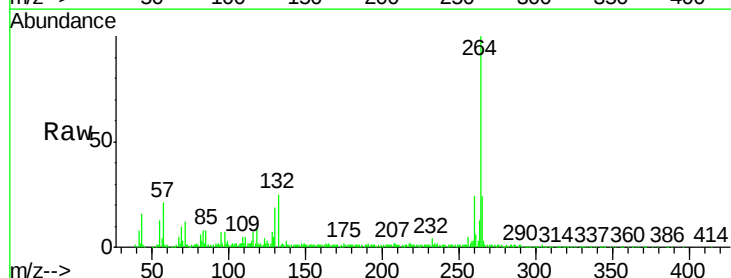
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012518

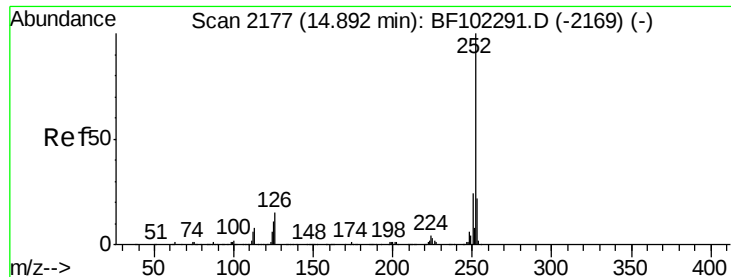
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.7	25.0	37.6
277	24.8	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. 0.00 min
 Lab File: BF102514.D
 Acq: 27 Jan 2018 17:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 8.324 ng

RT: 14.90 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

ClientSampleId :

TR-05-012518

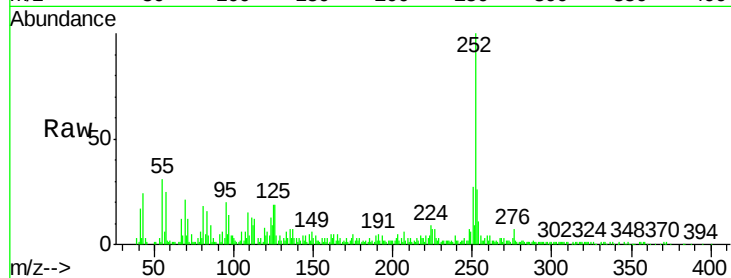
Tgt Ion:252 Resp: 146898

Ion Ratio Lower Upper

252 100

253 26.4 17.0 25.6#

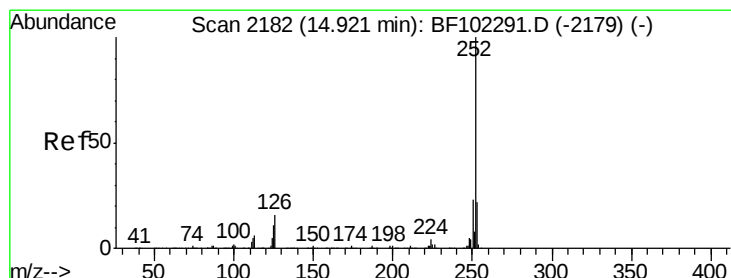
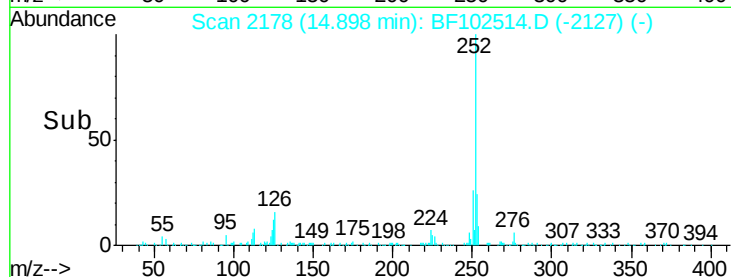
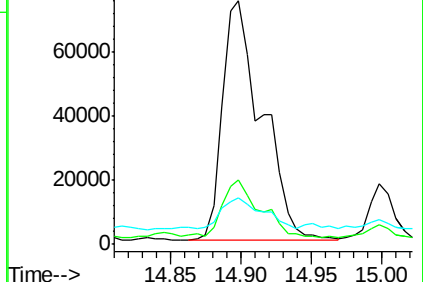
125 19.2 9.0 13.6#



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: 8.810 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.03 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

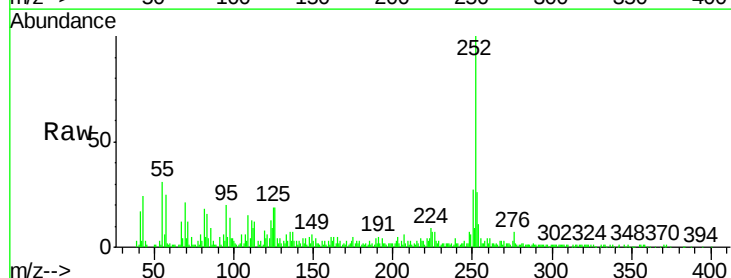
Tgt Ion:252 Resp: 146898

Ion Ratio Lower Upper

252 100

253 26.4 17.9 26.9

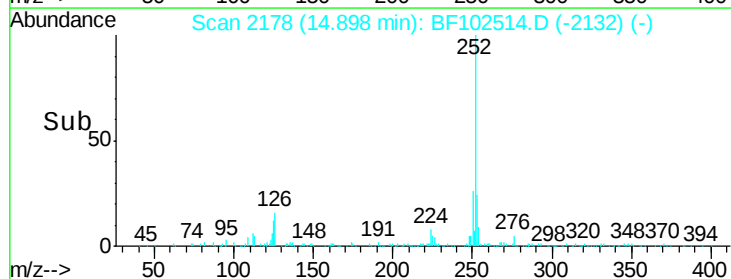
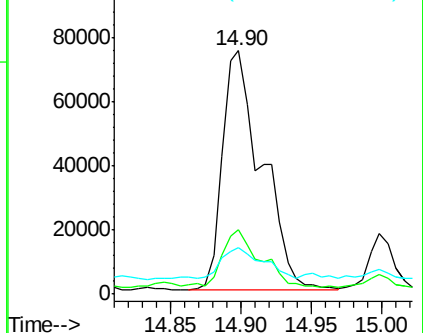
125 19.2 10.2 15.2#

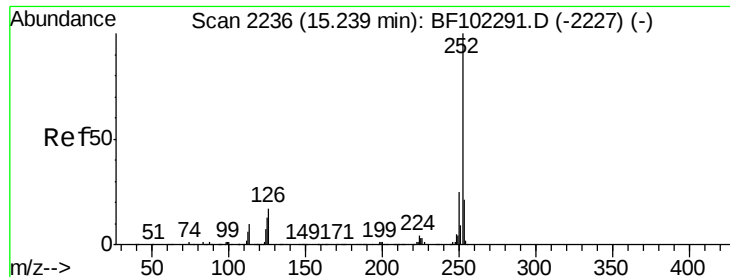


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.156 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

Instrument :

BNA_F

ClientSampleId :

TR-05-012518

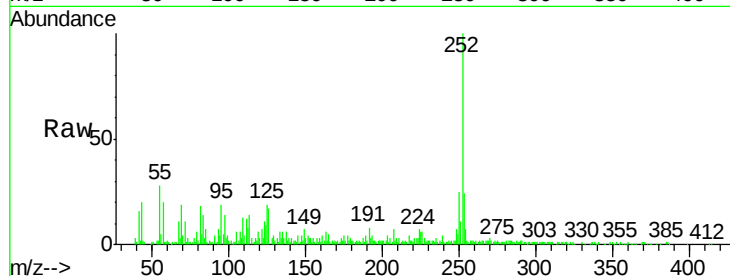
Tgt Ion:252 Resp: 97991

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 18.7 9.8 14.6#



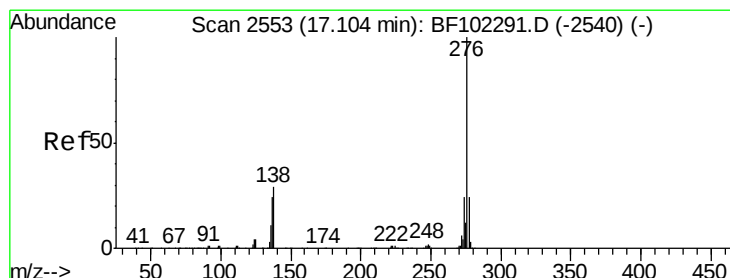
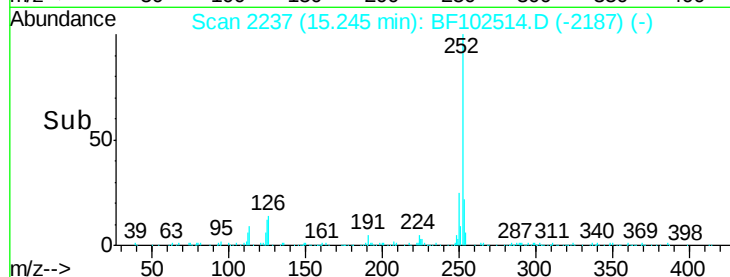
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

15.24

Time-->



#91

Benzo(g,h,i)perylene

Concen: 4.047 ng

RT: 17.13 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BF102514.D

Acq: 27 Jan 2018 17:05

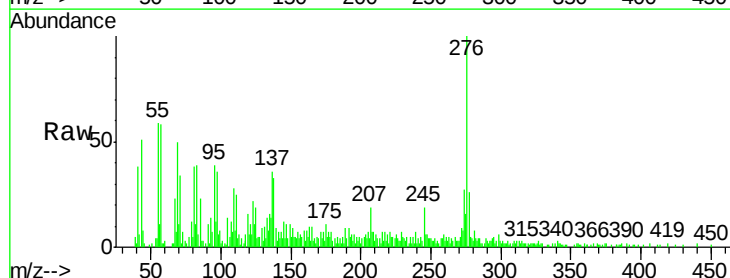
Tgt Ion:276 Resp: 51516

Ion Ratio Lower Upper

276 100

277 26.0 17.9 26.9

138 32.7 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

17.13

Time-->

