

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102483.D
 Acq On : 26 Jan 2018 21:50
 Operator : SJ/JU
 Sample : J1257-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 23:06:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	154956	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	630151	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	244368	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	302705	20.00	ng	0.01
75) Chrysene-d12	13.91	240	201024	20.00	ng	0.03
86) Perylene-d12	15.35	264	160011	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	178028	17.42	ng	0.00
7) Phenol-d6	6.36	99	223289	18.12	ng	0.00
23) Nitrobenzene-d5	7.28	82	96651	8.81	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	25656	10.60	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	222447	13.38	ng	0.00
78) Terphenyl-d14	12.85	244	112685	12.64	ng	0.02

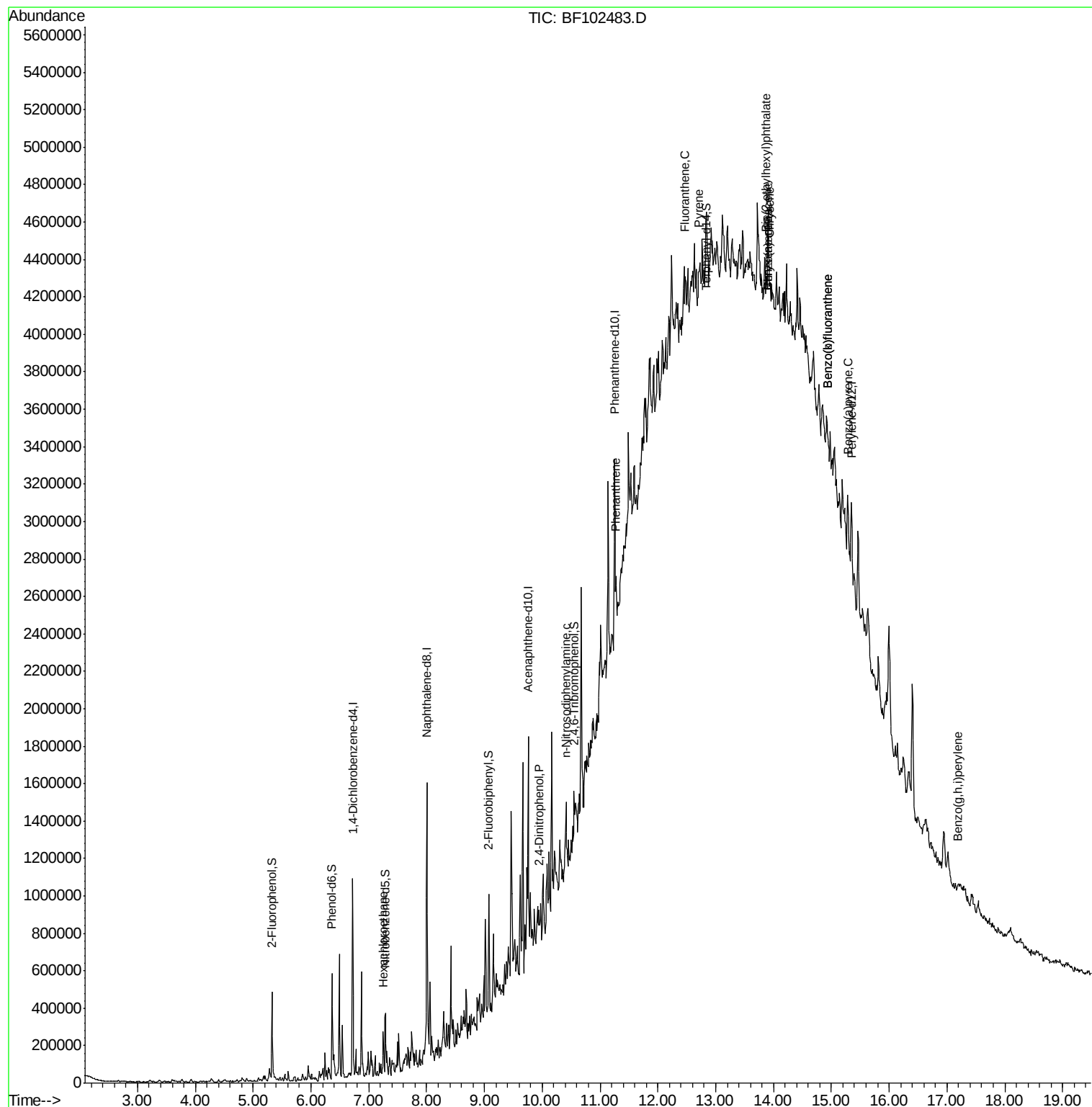
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.25	117	10294	2.315	ng	# 1
53) 2,4-Dinitrophenol	9.95	184	441	3.911	ng	# 25
65) n-Nitrosodiphenylamine	10.42	169	22460	2.022	ng	# 51
70) Phenanthrene	11.27	178	79116	4.485	ng	# 91
74) Fluoranthene	12.47	202	80409	4.470	ng	# 87
77) Pyrene	12.70	202	91151	5.865	ng	# 88
80) Benzo(a)anthracene	13.90	228	30849	2.493	ng	# 54
82) Chrysene	13.93	228	35406	2.817	ng	# 69
83) Bis(2-ethylhexyl)phthalate	13.87	149	76783	7.387	ng	# 88
87) Benzo(b)fluoranthene	14.94	252	51674	4.982	ng	# 1
88) Benzo(k)fluoranthene	14.94	252	51674	5.274	ng	# 1
89) Benzo(a)pyrene	15.29	252	24603	2.630	ng	# 1
91) Benzo(a,h,i)perylene	17.18	276	16463	2.201	ng	# 55

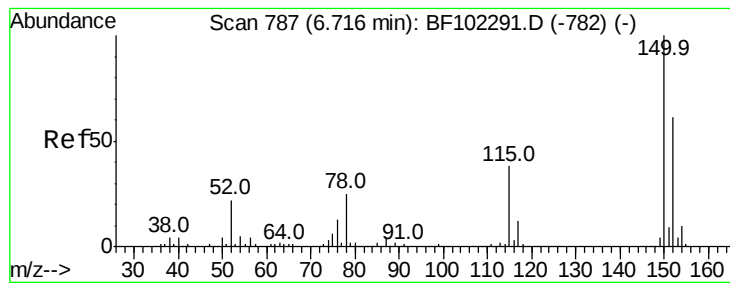
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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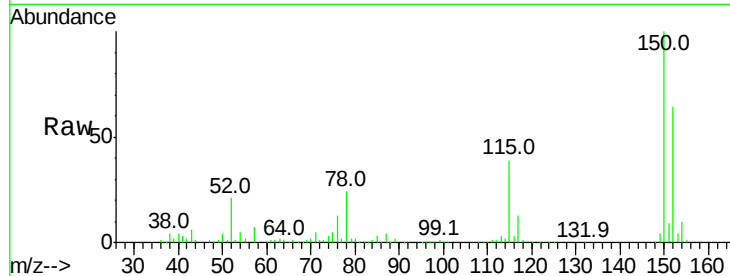


#1

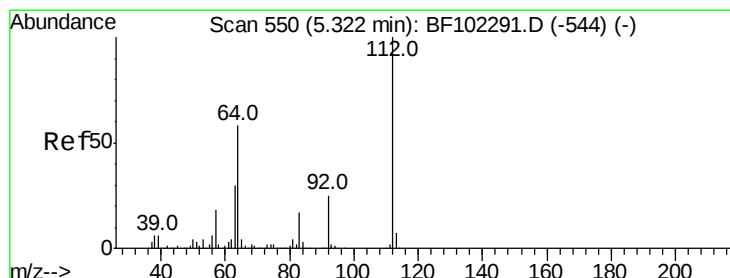
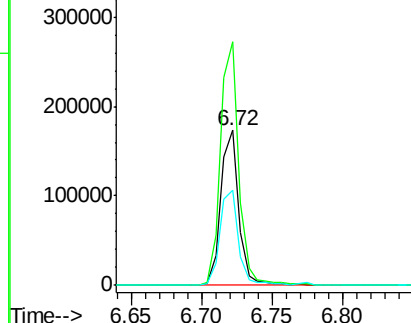
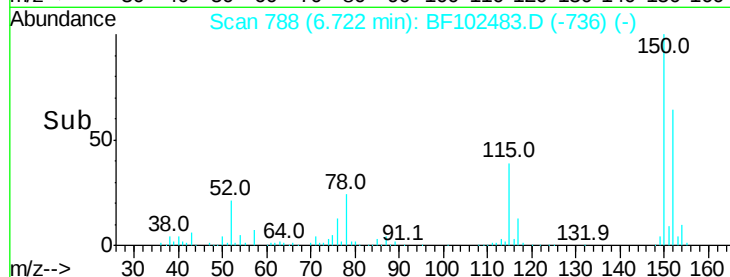
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BF102483.D
 Acq: 26 Jan 2018 21:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 154956
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.6 186.8
 115 61.3 50.1 75.1



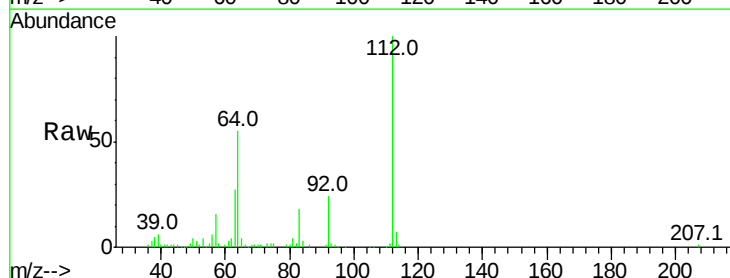
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



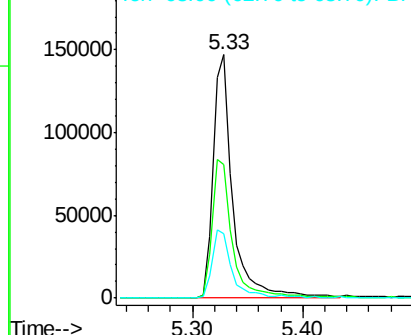
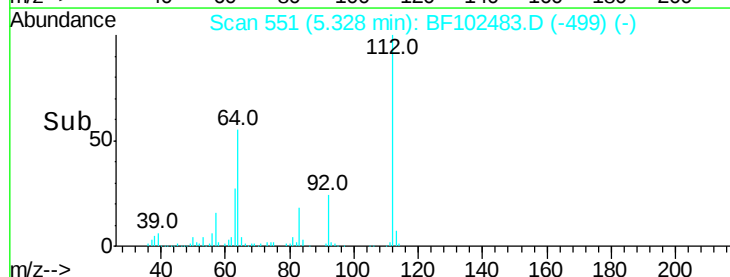
#5

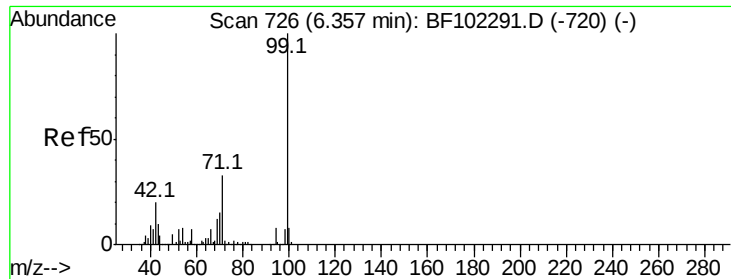
2-Fluorophenol
 Concen: 17.420 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102483.D
 Acq: 26 Jan 2018 21:50

Tgt Ion:112 Resp: 178028
 Ion Ratio Lower Upper
 112 100
 64 54.7 47.9 71.9
 63 26.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 18.123 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

Instrument :

BNA_F

ClientSampled :

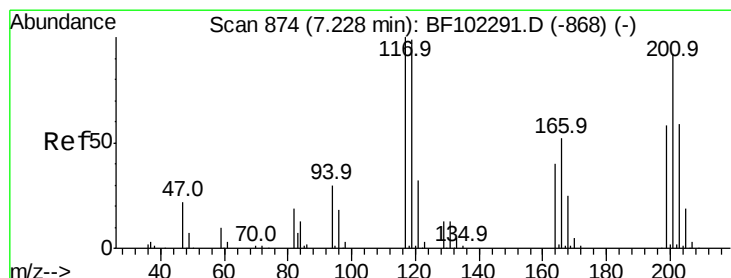
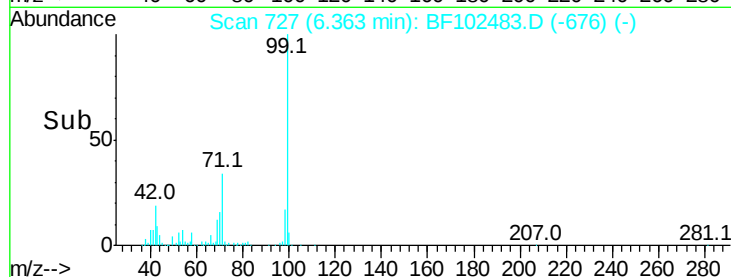
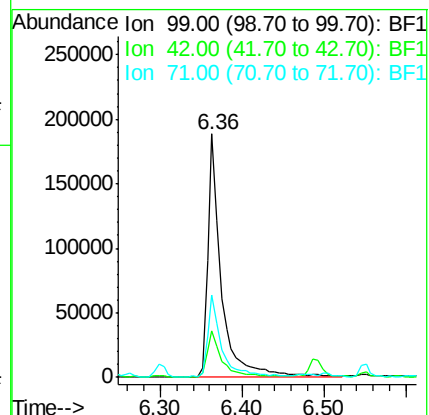
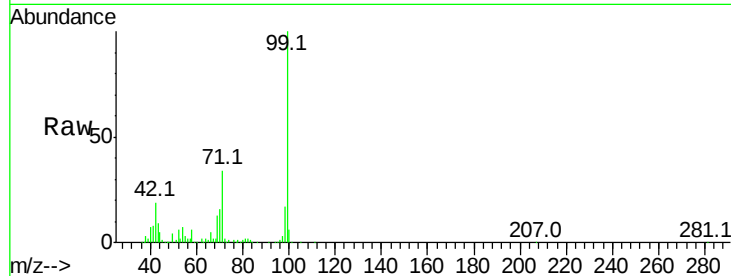
Tot Ion: 99 Resp: 223289

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 34.1 25.4 38.0



#18

Hexachloroethane

Concen: 2.315 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.03 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

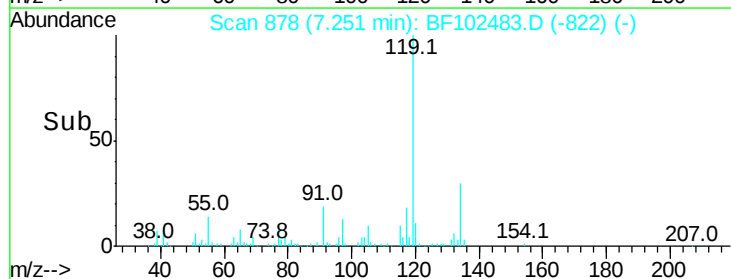
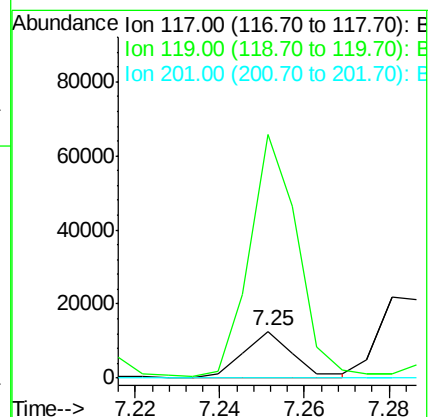
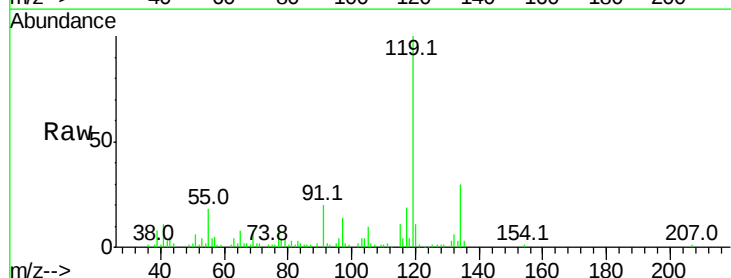
Tgt Ion: 117 Resp: 10294

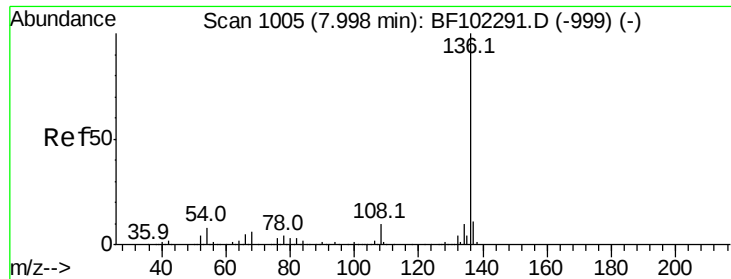
Ion Ratio Lower Upper

117 100

119 519.7 75.8 113.8#

201 0.0 75.7 113.5#

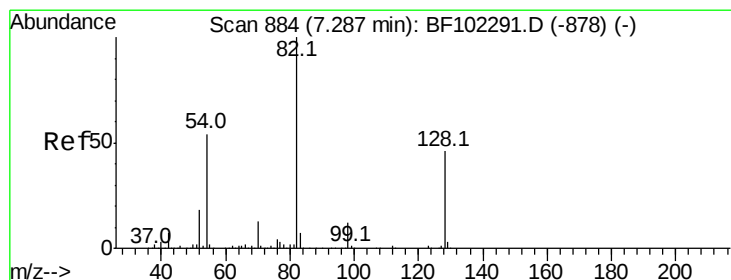
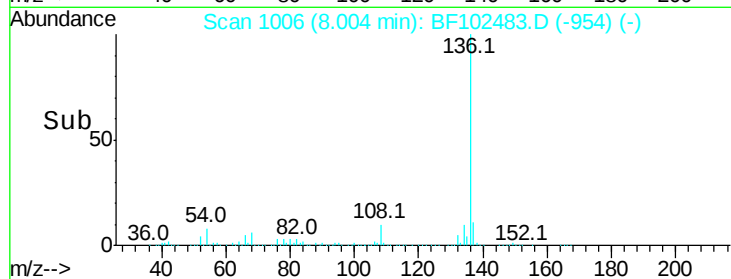
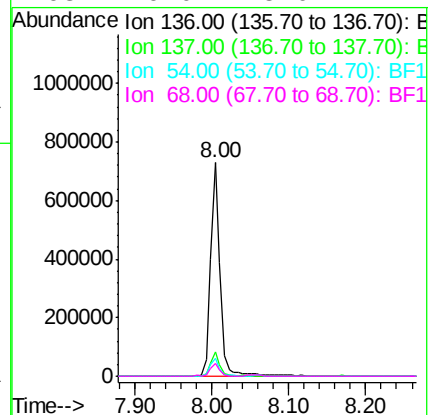
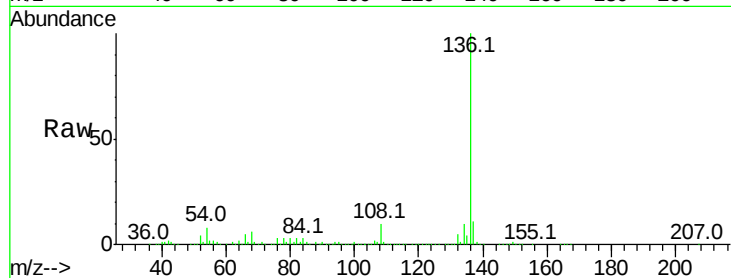




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF102483.D
Acq: 26 Jan 2018 21:50

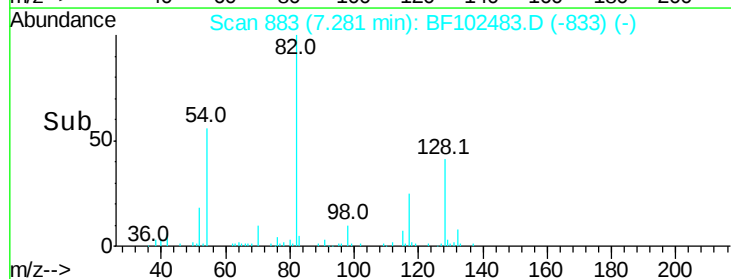
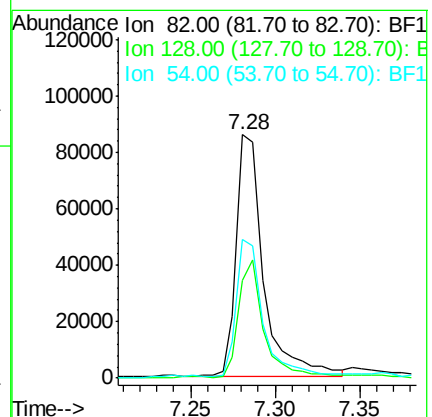
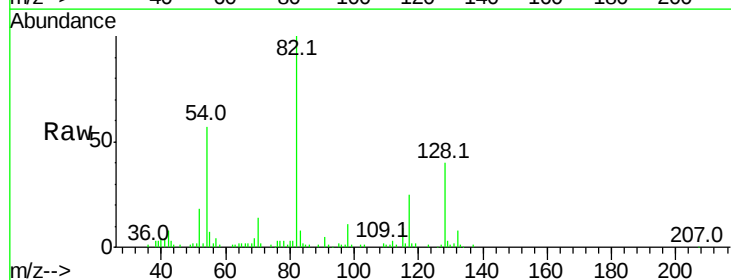
Instrument :
BNA_F
ClientSampleId :

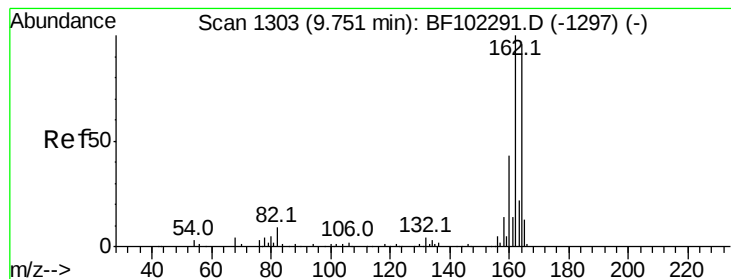
Tot Ion:136	Resp: 630151
Ion Ratio	Lower Upper
136 100	
137 11.3	8.9 13.3
54 8.4	6.6 9.8
68 6.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 8.814 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102483.D
Acq: 26 Jan 2018 21:50

Tgt Ion: 82	Resp: 96651
Ion Ratio	Lower Upper
82 100	
128 40.3	36.1 54.1
54 56.8	41.4 62.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

Instrument :

BNA_F

ClientSampleId :

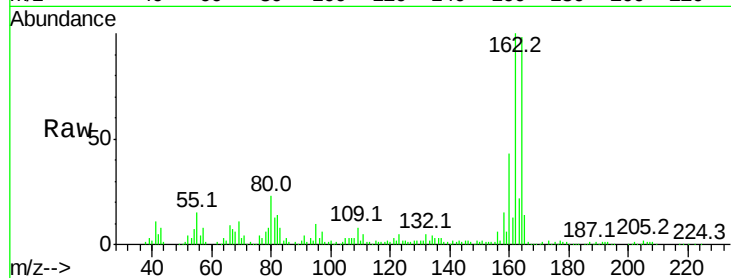
Tot Ion:164 Resp: 244368

Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

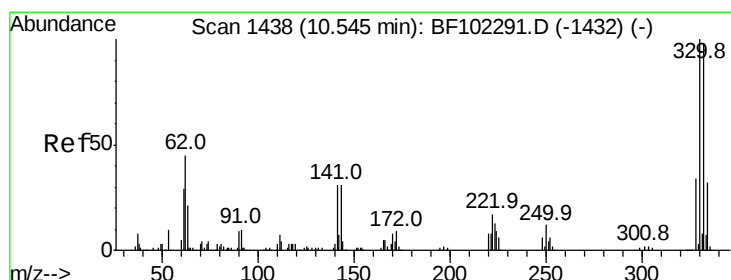
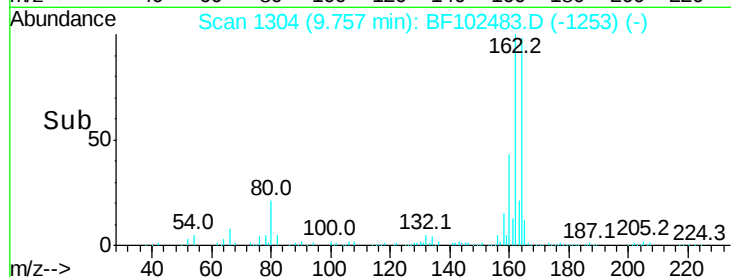
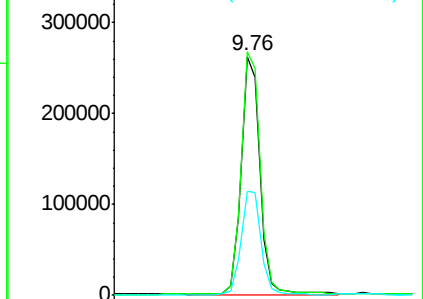
160 43.6 38.3 57.5



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: 10.596 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

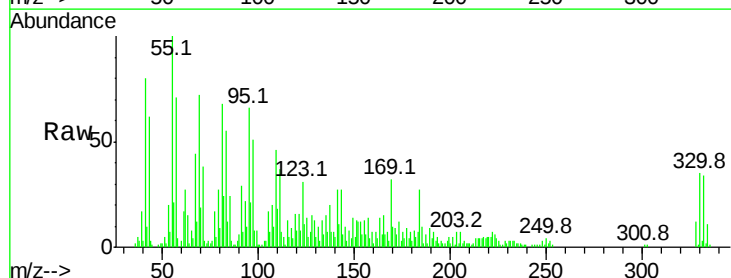
Tgt Ion:330 Resp: 25656

Ion Ratio Lower Upper

330 100

332 94.1 77.0 115.6

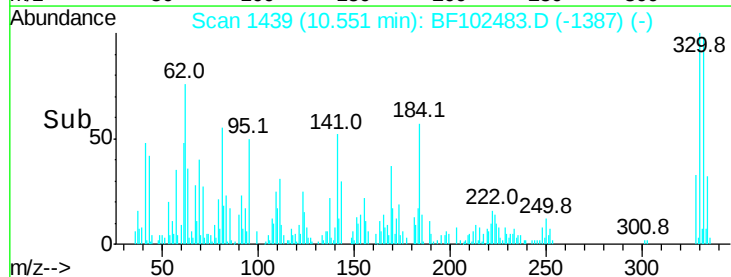
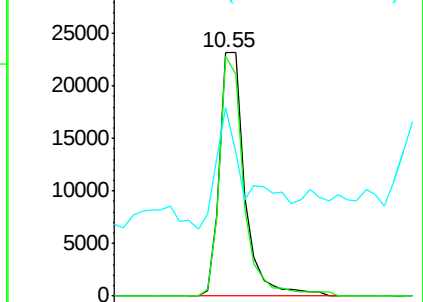
141 51.9 29.9 44.9#

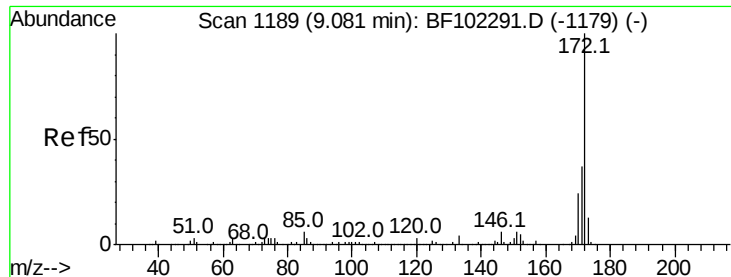


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

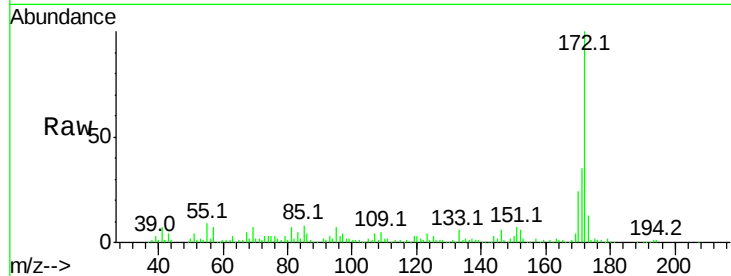




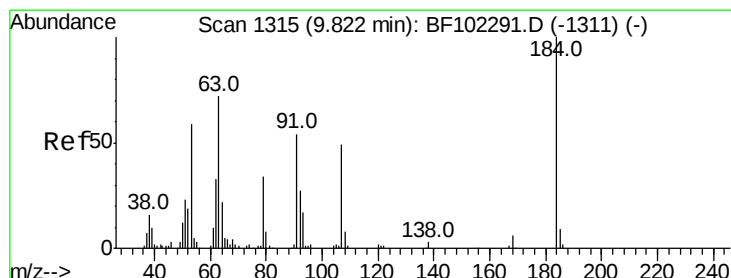
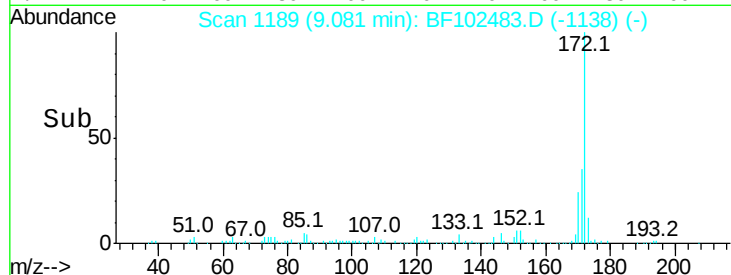
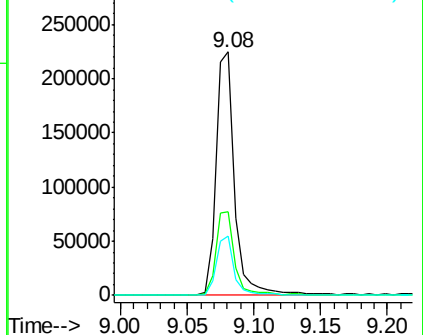
#44
2-Fluorobiphenyl
Concen: 13.385 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BF102483.D
Acq: 26 Jan 2018 21:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 222447
Ion Ratio Lower Upper
172 100
171 34.6 29.7 44.5
170 24.1 19.6 29.4

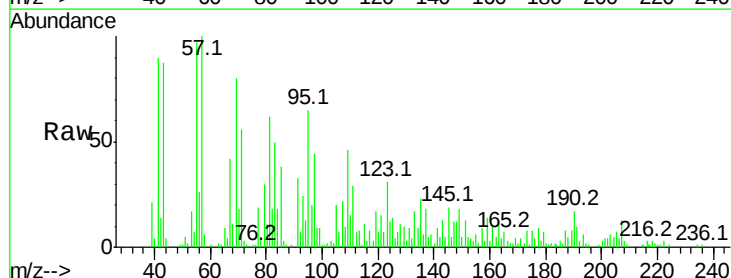


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

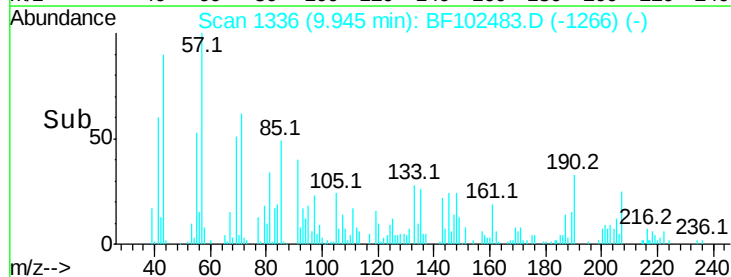
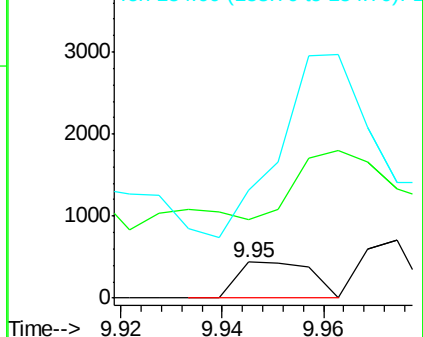


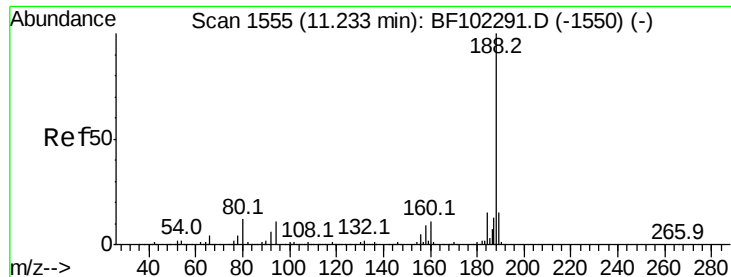
#53
2,4-Dinitrophenol
Concen: 3.911 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.11 min
Lab File: BF102483.D
Acq: 26 Jan 2018 21:50

Tgt Ion:184 Resp: 441
Ion Ratio Lower Upper
184 100
63 217.1 54.2 81.2#
154 301.4 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

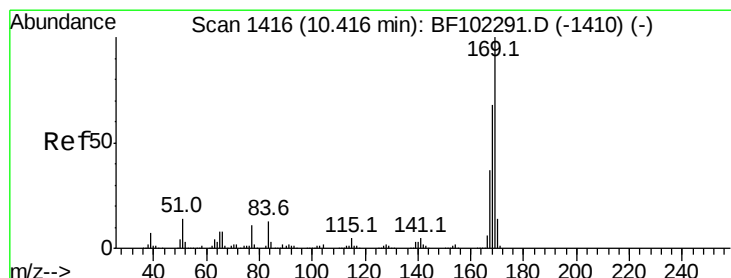
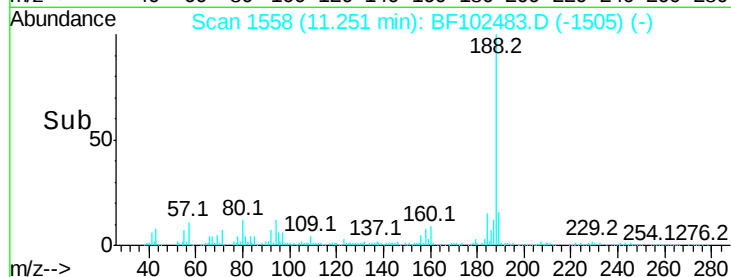
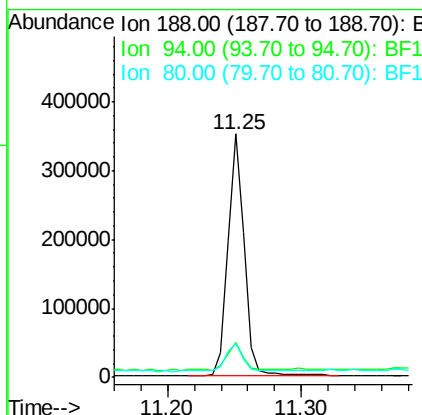
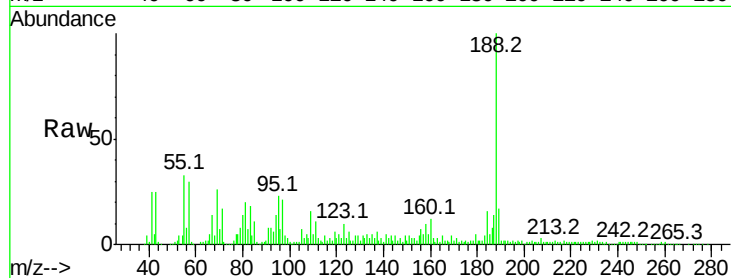




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF102483.D
Acq: 26 Jan 2018 21:50

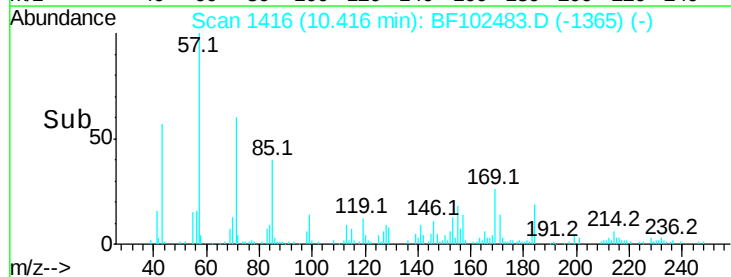
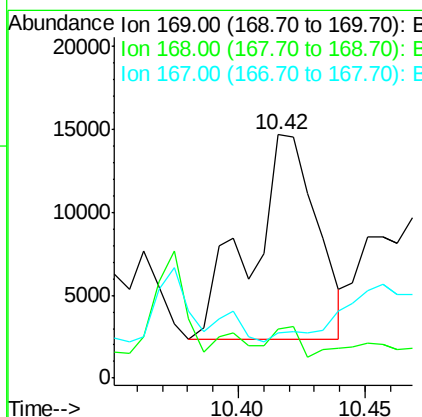
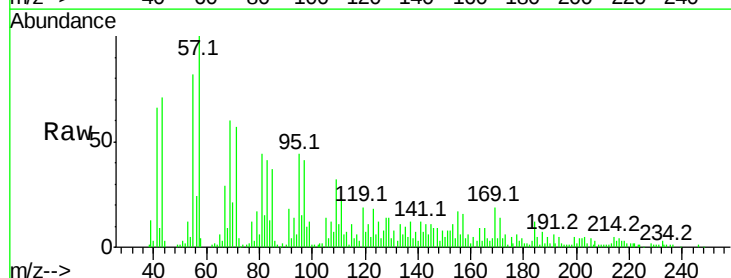
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BNA_F
ClientSampleId :

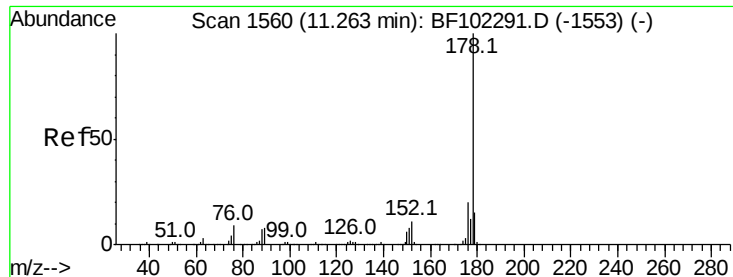
Tot Ion:188 Resp: 302705
Ion Ratio Lower Upper
188 100
94 14.1 8.5 12.7#
80 14.1 9.2 13.8#



#65
n-Nitrosodiphenylamine
Concen: 2.022 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BF102483.D
Acq: 26 Jan 2018 21:50

Tgt Ion:169 Resp: 22460
Ion Ratio Lower Upper
169 100
168 20.4 54.4 81.6#
167 18.4 29.8 44.6#

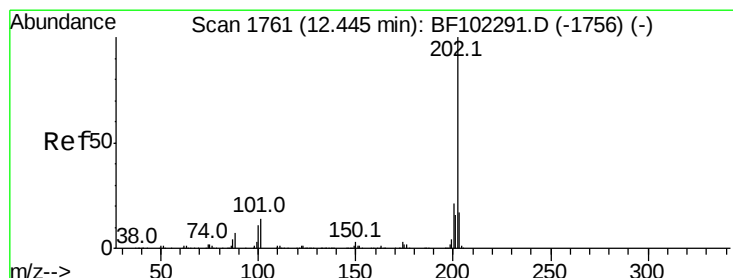
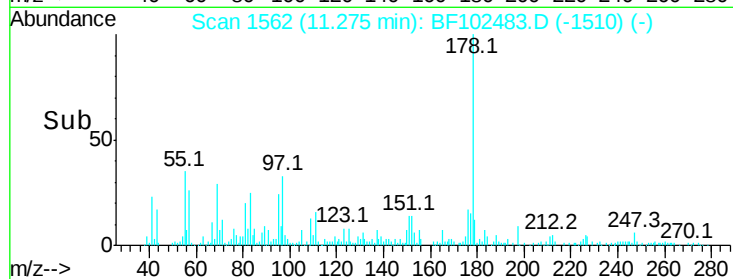
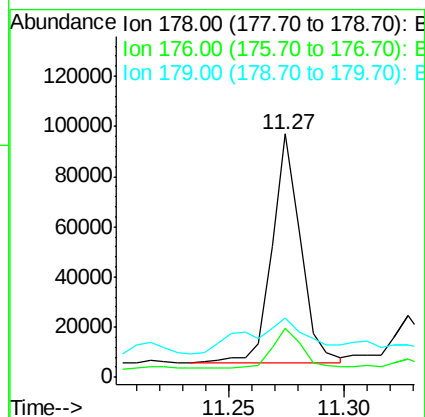
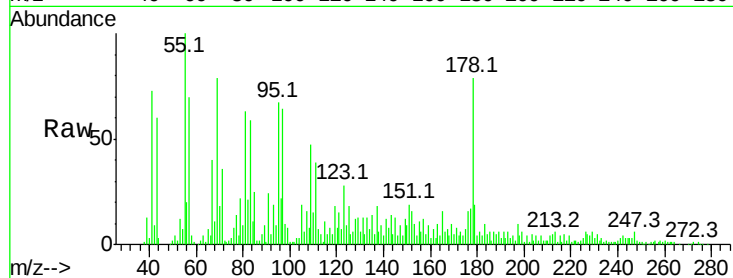




#70
Phenanthrene
Concen: 4.485 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BF102483.D
Acq: 26 Jan 2018 21:50

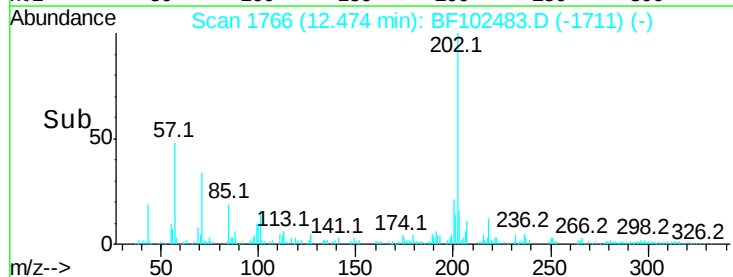
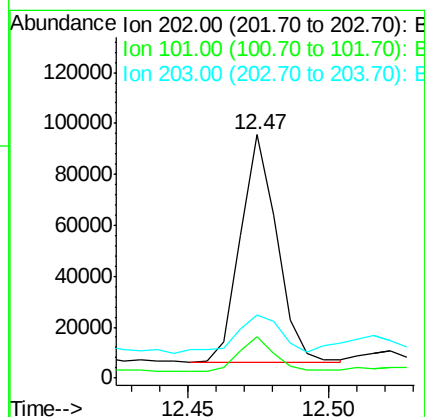
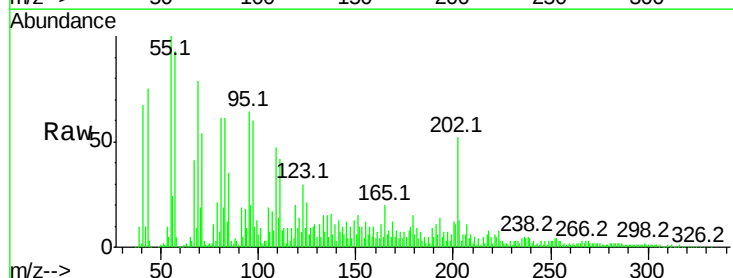
Instrument :
BNA_F
ClientSampleId :

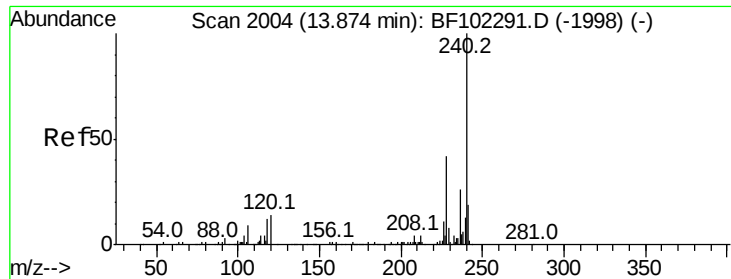
Tot Ion:178 Resp: 79116
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 24.5 13.0 19.6#



#74
Fluoranthene
Concen: 4.470 ng
RT: 12.47 min Scan# 1766
Delta R.T. 0.02 min
Lab File: BF102483.D
Acq: 26 Jan 2018 21:50

Tgt Ion:202 Resp: 80409
Ion Ratio Lower Upper
202 100
101 16.8 0.0 34.1
203 25.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.03 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

Instrument :

BNA_F

ClientSampleId :

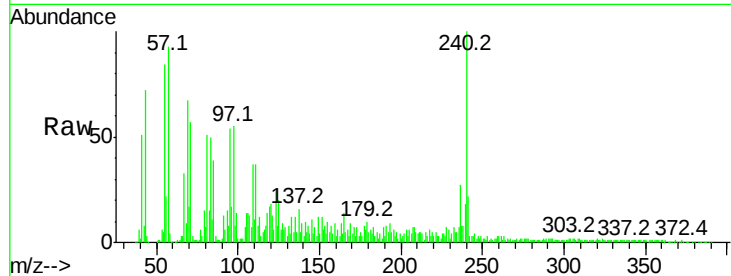
Tot Ion:240 Resp: 201024

Ion Ratio Lower Upper

240 100

120 18.4 9.5 14.3#

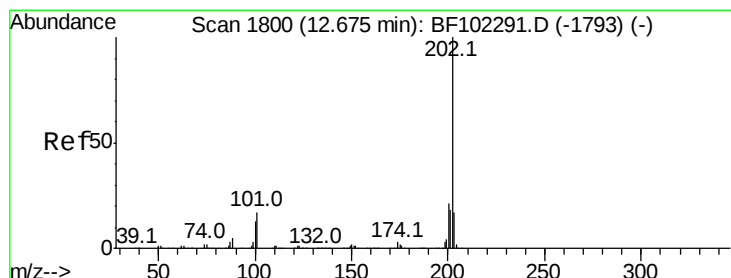
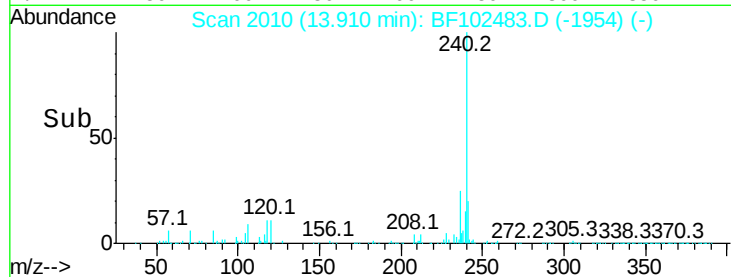
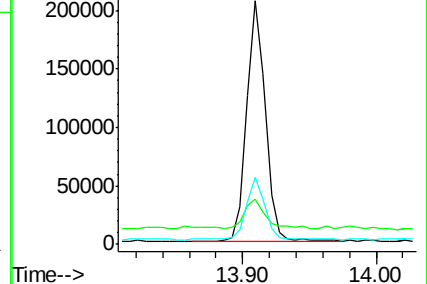
236 27.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.865 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.02 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

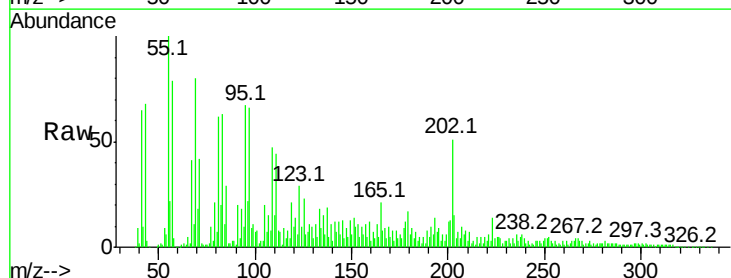
Tgt Ion:202 Resp: 91151

Ion Ratio Lower Upper

202 100

200 22.7 17.4 26.2

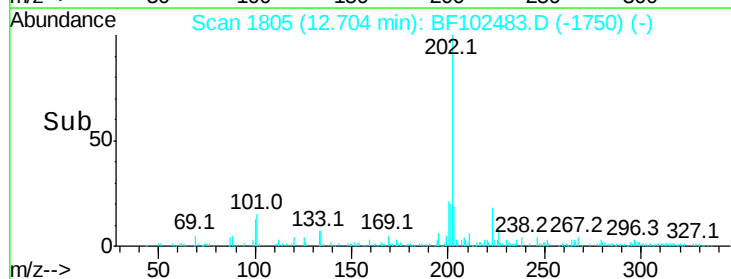
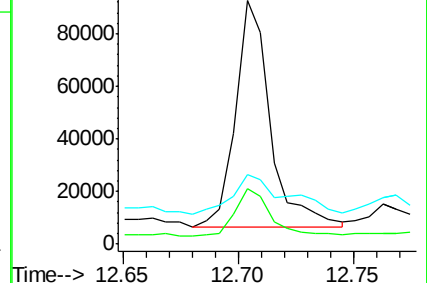
203 28.6 14.3 21.5#

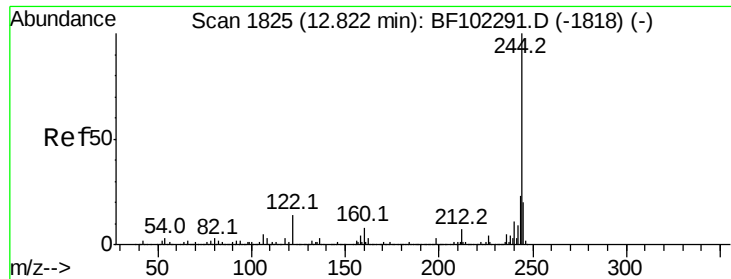


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.637 ng

RT: 12.85 min Scan# 1829

Delta R.T. 0.02 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

Instrument :

BNA_F

ClientSampleId :

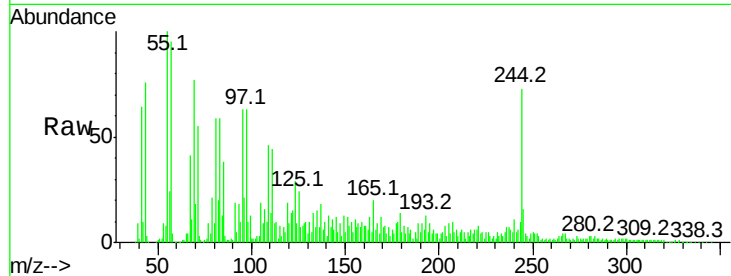
Tot Ion:244 Resp: 112685

Ion Ratio Lower Upper

244 100

212 8.4 5.4 8.0#

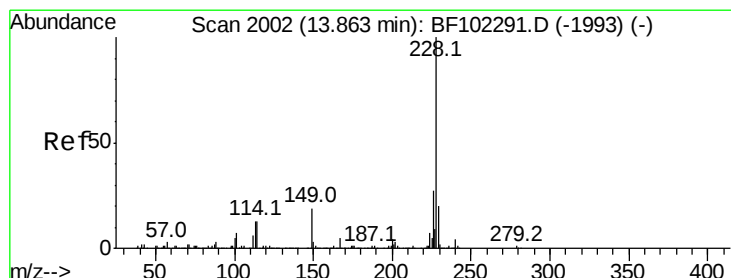
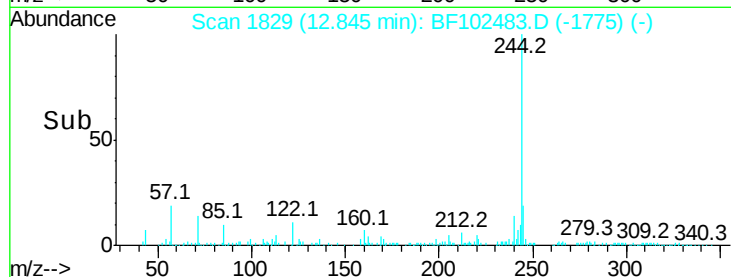
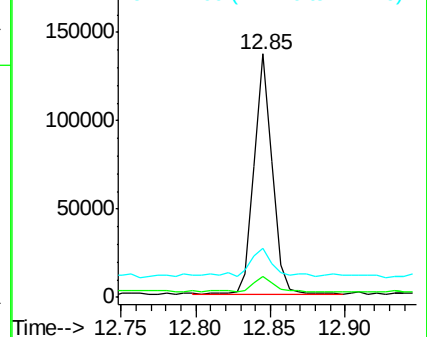
122 20.2 11.0 16.4#



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: 2.493 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.03 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

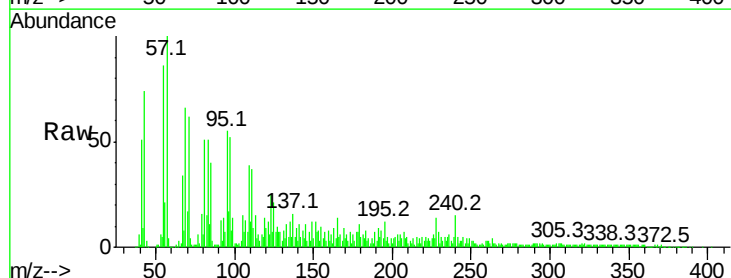
Tgt Ion:228 Resp: 30849

Ion Ratio Lower Upper

228 100

226 41.6 22.6 33.8#

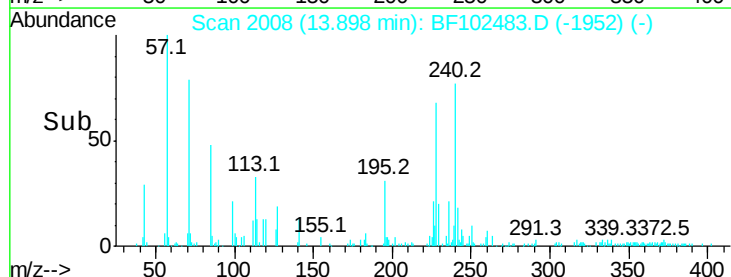
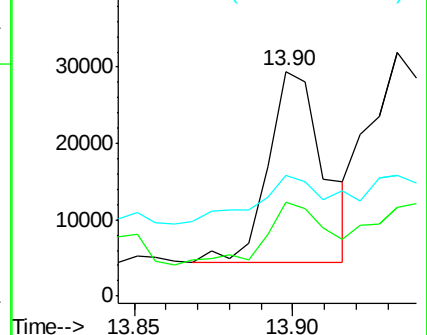
229 53.8 15.8 23.6#

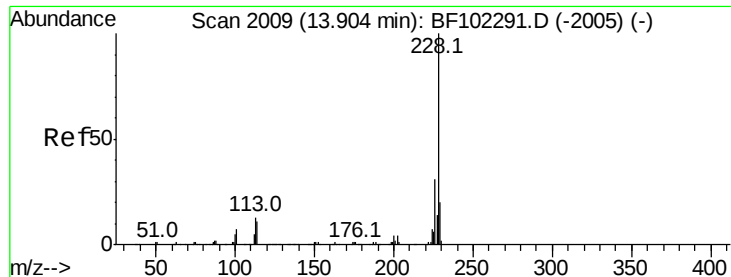


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.817 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.02 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

Instrument :

BNA_F

ClientSampleId :

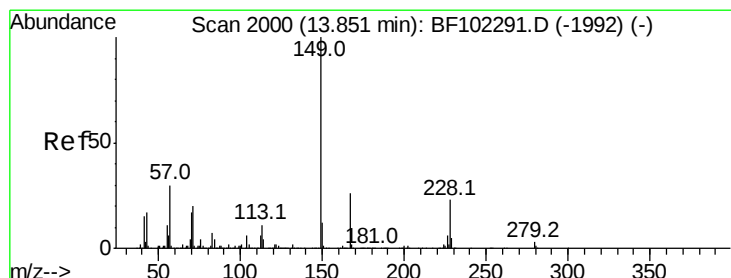
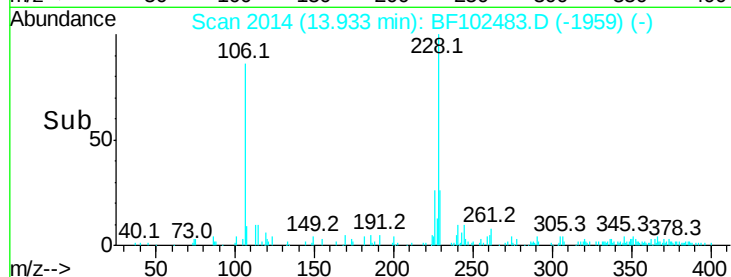
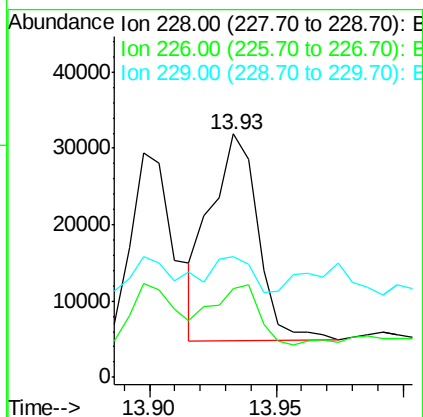
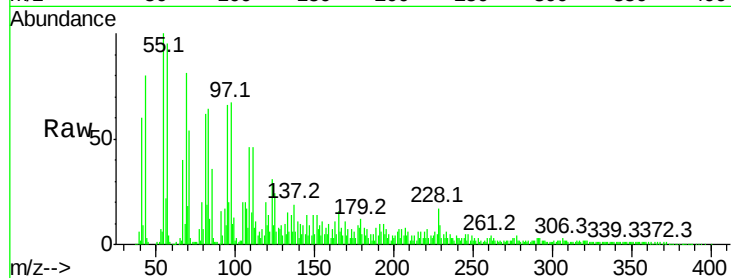
Tot Ion:228 Resp: 35406

Ion Ratio Lower Upper

228 100

226 36.7 25.0 37.6

229 49.6 16.2 24.4#



#83

Bis(2-ethylhexyl)phthalate

Concen: 7.387 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.02 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

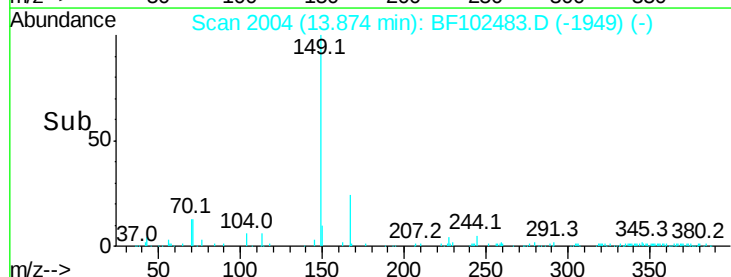
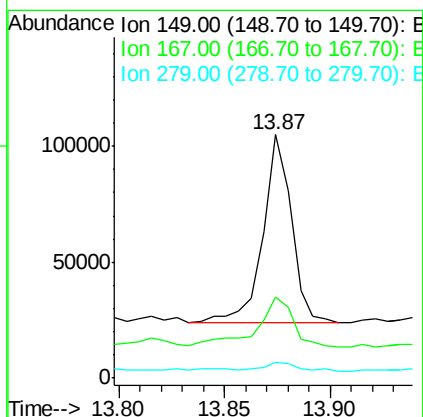
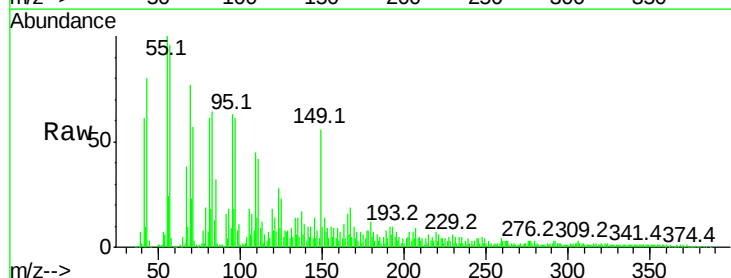
Tgt Ion:149 Resp: 76783

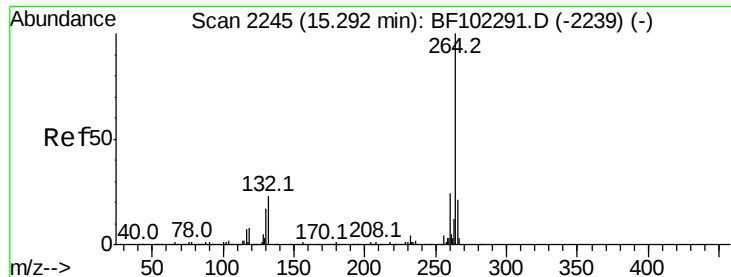
Ion Ratio Lower Upper

149 100

167 33.2 21.3 31.9#

279 6.2 3.0 4.4#

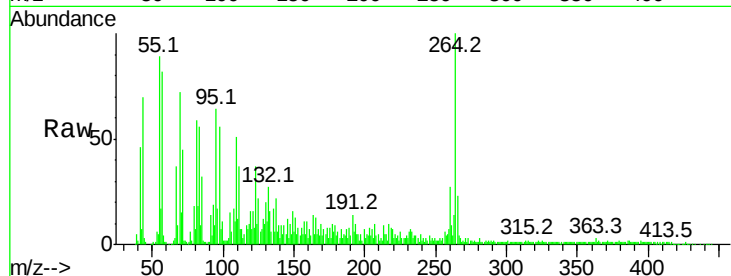




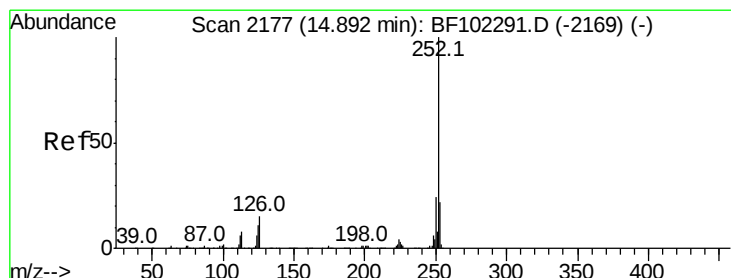
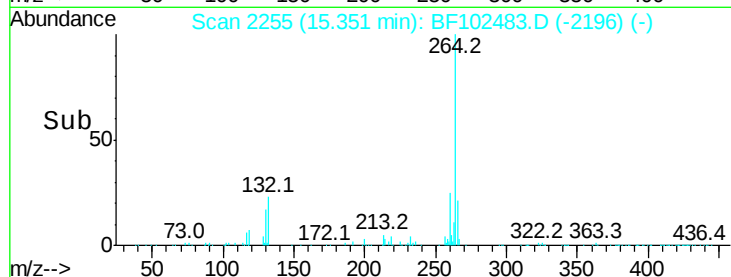
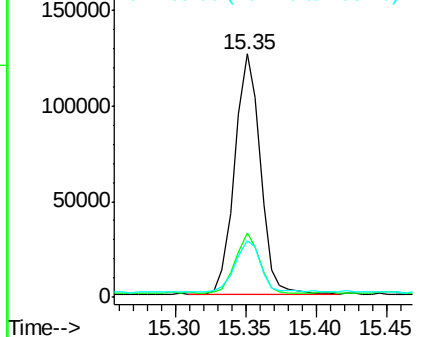
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.05 min
Lab File: BF102483.D
Acq: 26 Jan 2018 21:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.6	19.2	28.8
265	23.4	17.5	26.3

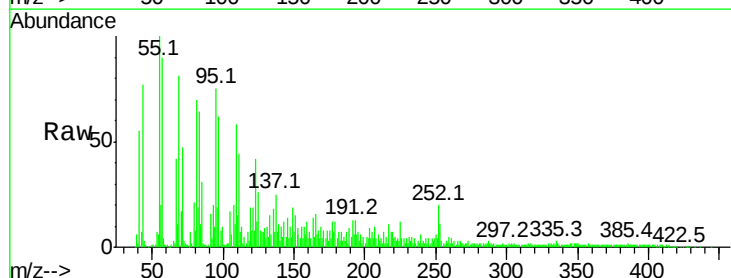


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

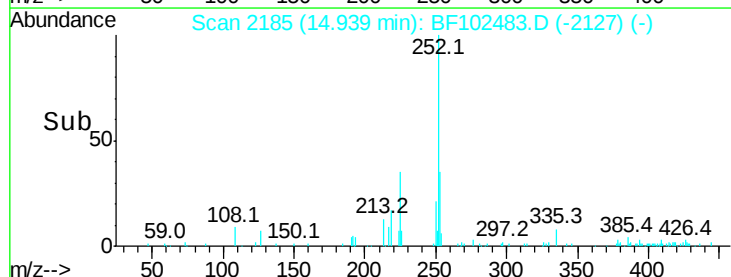
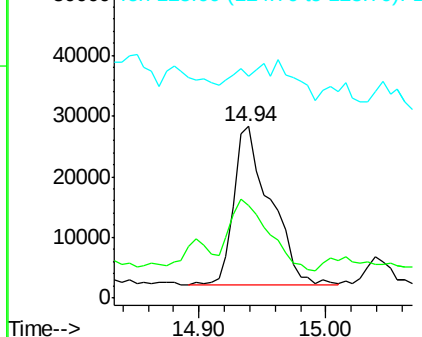


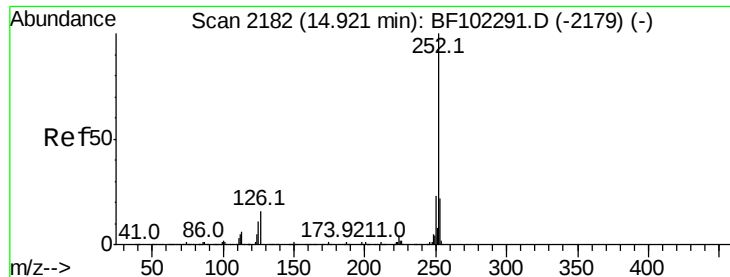
#87
Benzo(b)fluoranthene
Concen: 4.982 ng
RT: 14.94 min Scan# 2185
Delta R.T. 0.04 min
Lab File: BF102483.D
Acq: 26 Jan 2018 21:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	53.7	17.0	25.6#
125	129.2	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: 5.274 ng

RT: 14.94 min Scan# 2185

Delta R.T. 0.01 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

Instrument :

BNA_F

ClientSampleId :

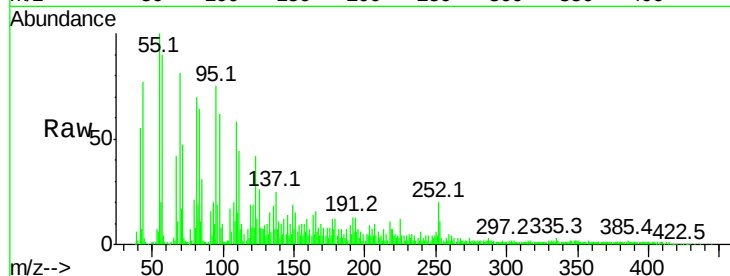
Tot Ion:252 Resp: 51674

Ion Ratio Lower Upper

252 100

253 53.7 17.9 26.9#

125 129.2 10.2 15.2#

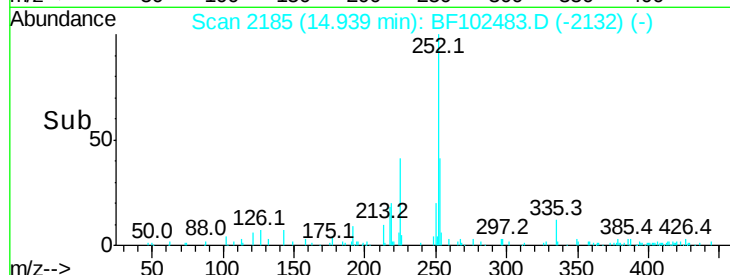


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

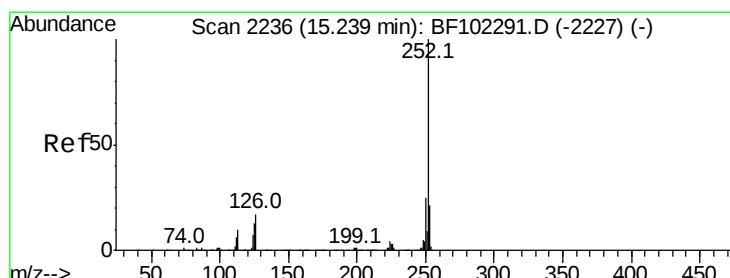


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#89

Benzo(a)pyrene

Concen: 2.630 ng

RT: 15.29 min Scan# 2245

Delta R.T. 0.05 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

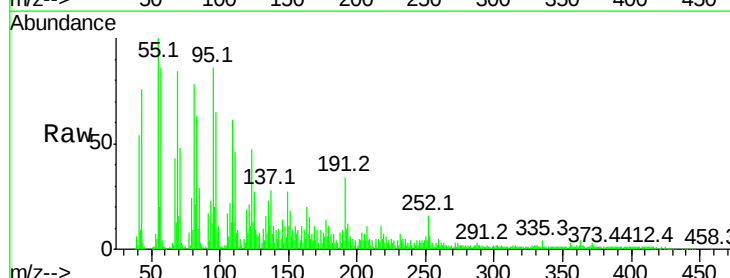
Tgt Ion:252 Resp: 24603

Ion Ratio Lower Upper

252 100

253 39.1 17.1 25.7#

125 168.9 9.8 14.6#

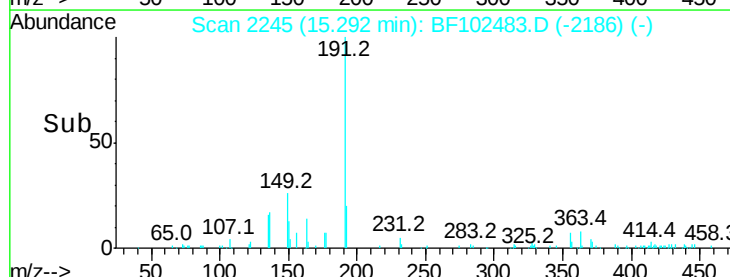


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

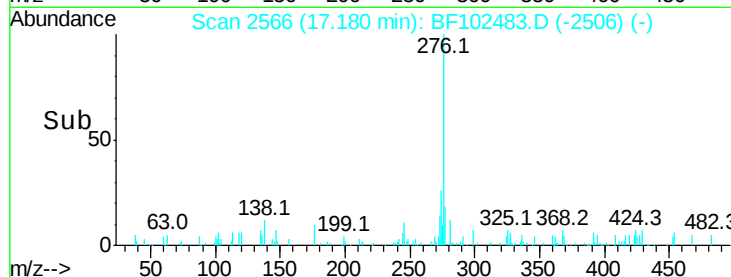
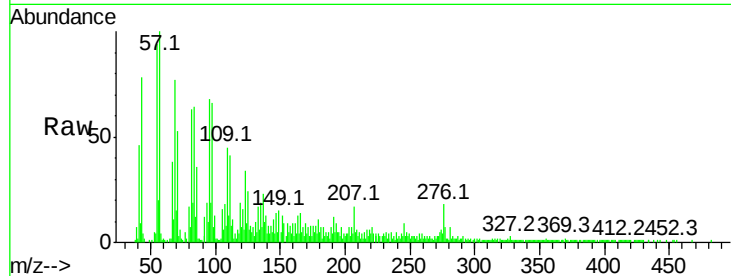
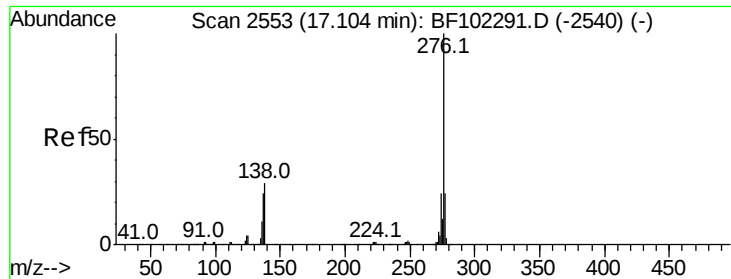


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#91

Benzo(a,h,i)perylene

Concen: 2.201 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.05 min

Lab File: BF102483.D

Acq: 26 Jan 2018 21:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 16463

Ion Ratio Lower Upper

276 100

277 37.3 17.9 26.9#

138 56.4 21.8 32.8#

