

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102447.D
 Acq On : 26 Jan 2018 1:59
 Operator : SJ/JU
 Sample : J1289-19
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 03:11:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	136438	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	527100	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	212632	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	309429	20.00	ng	0.00
75) Chrysene-d12	13.88	240	253342	20.00	ng	0.00
86) Perylene-d12	15.31	264	195191	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	812516	90.30	ng	0.01
7) Phenol-d6	6.36	99	961075	88.59	ng	0.00
23) Nitrobenzene-d5	7.29	82	570152	62.16	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	144151	68.42	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	864756	59.80	ng	0.00
78) Terphenyl-d14	12.82	244	582945	51.87	ng	0.00

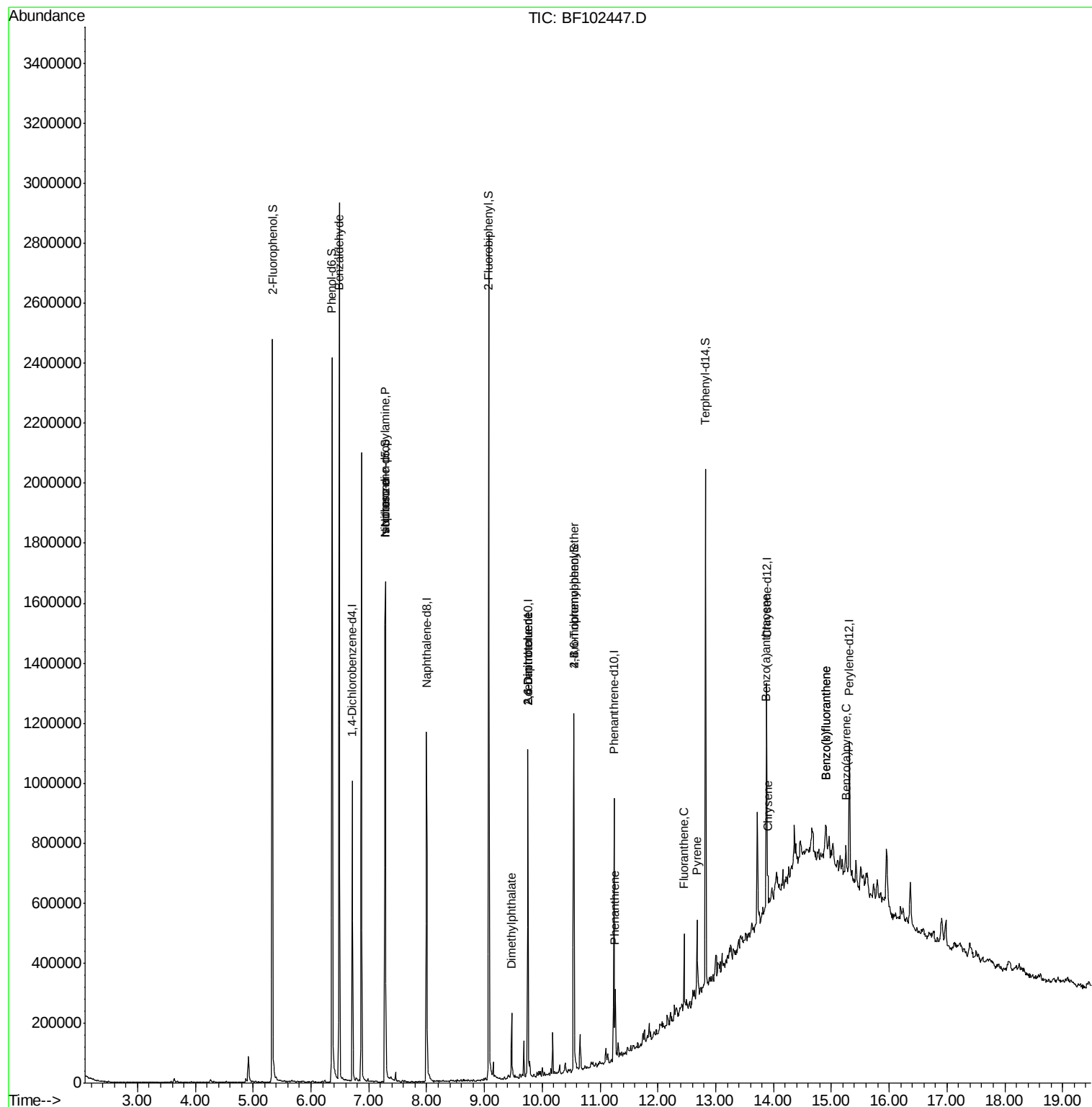
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	17550	2.355	ng	81
19) n-Nitroso-di-n-propylamine	7.29	70	74944	11.289	ng	# 77
25) Isophorone	7.29	82	570148	34.868	ng	# 64
49) Dimethylphthalate	9.47	163	81777	4.653	ng	98
50) 2,6-Dinitrotoluene	9.75	165	27240	7.189	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	27240	5.846	ng	# 24
66) 4-Bromophenyl-phenylether	10.55	248	9487	2.848	ng	# 1
70) Phenanthrene	11.26	178	84070	4.662	ng	98
74) Fluoranthene	12.45	202	100332	5.457	ng	97
77) Pyrene	12.68	202	92184	4.706	ng	98
80) Benzo(a)anthracene	13.87	228	39520	2.534	ng	# 89
82) Chrysene	13.90	228	36637	2.313	ng	# 89
87) Benzo(b)fluoranthene	14.90	252	46078	3.642	ng	# 24
88) Benzo(k)fluoranthene	14.90	252	46078	3.855	ng	# 29
89) Benzo(a)pyrene	15.25	252	24920	2.184	ng	# 65

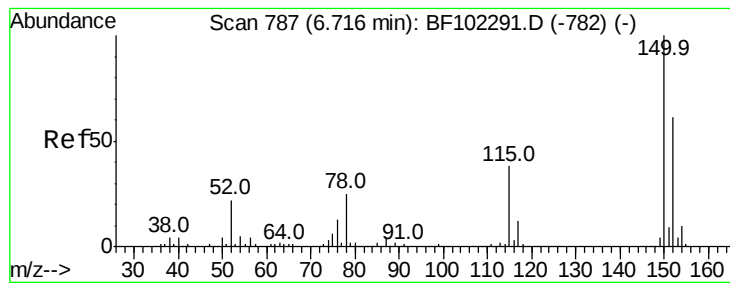
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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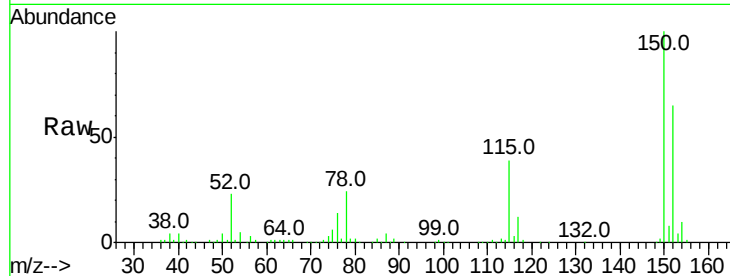


#1

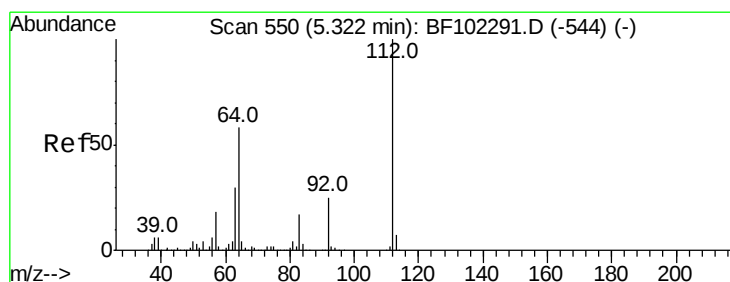
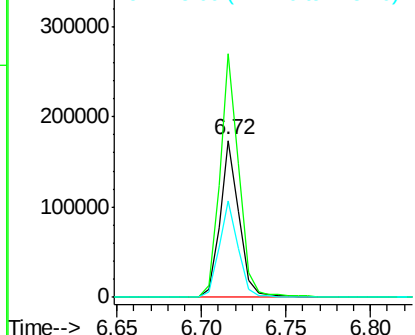
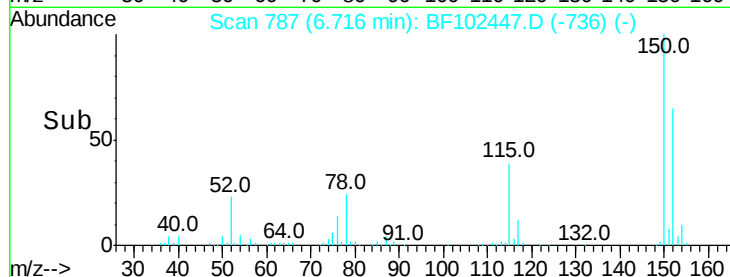
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102447.D
Acq: 26 Jan 2018 1:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136438
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 61.1 50.1 75.1



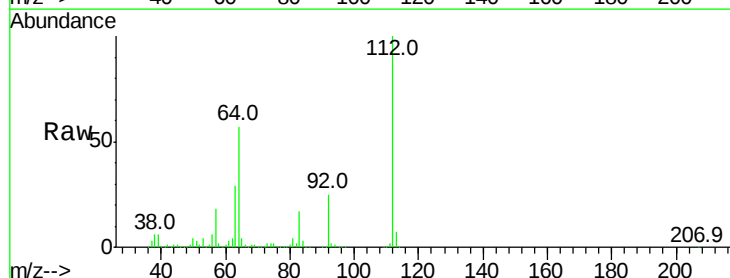
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



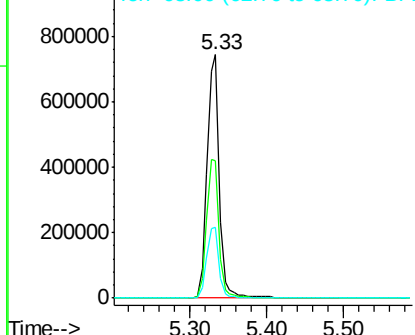
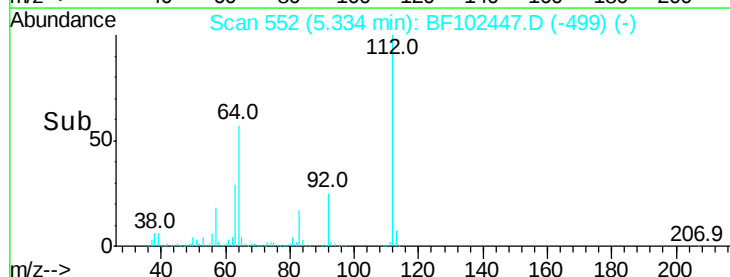
#5

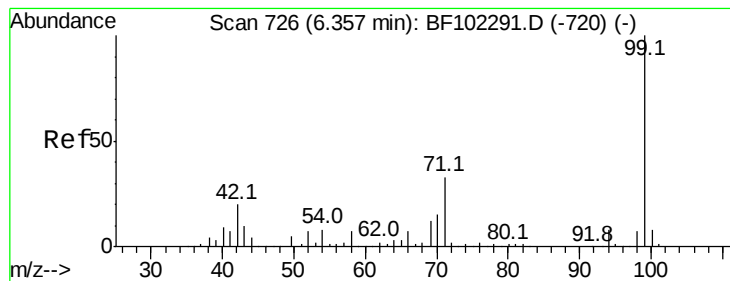
2-Fluorophenol
Concen: 90.296 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102447.D
Acq: 26 Jan 2018 1:59

Tgt Ion:112 Resp: 812516
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 29.1 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: 88.592 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

Instrument :

BNA_F

ClientSampled :

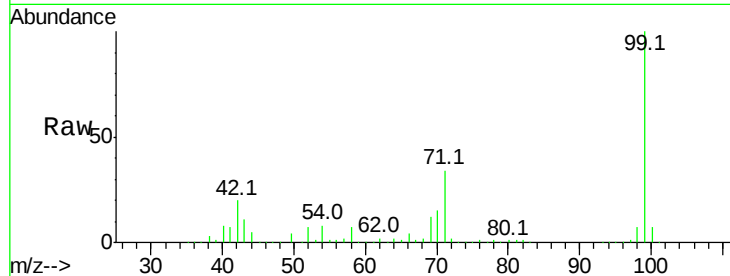
Tot Ion: 99 Resp: 961075

Ion Ratio Lower Upper

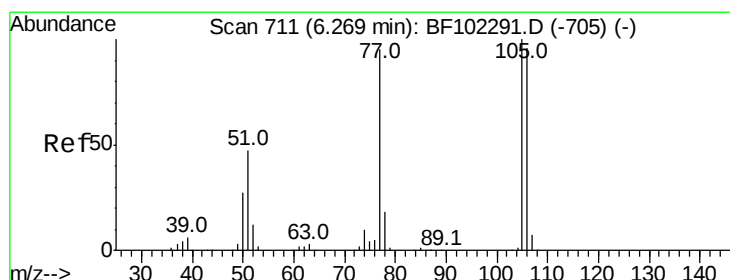
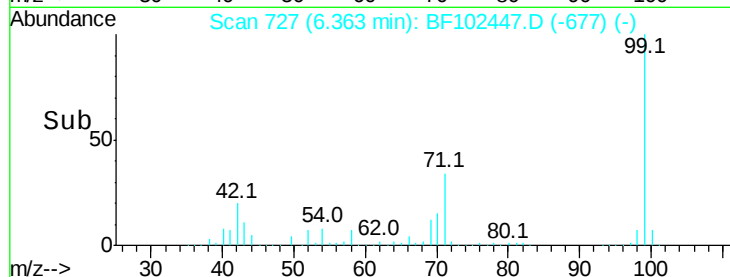
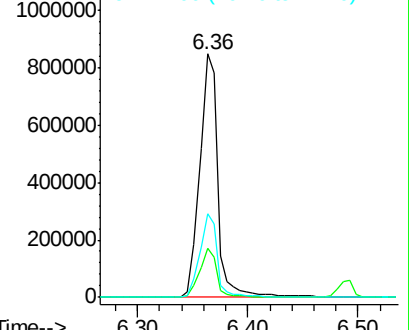
99 100

42 20.0 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



#9

Benzaldehyde

Concen: 2.355 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

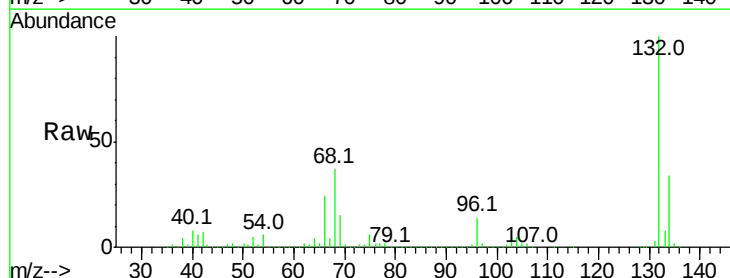
Tgt Ion: 77 Resp: 17550

Ion Ratio Lower Upper

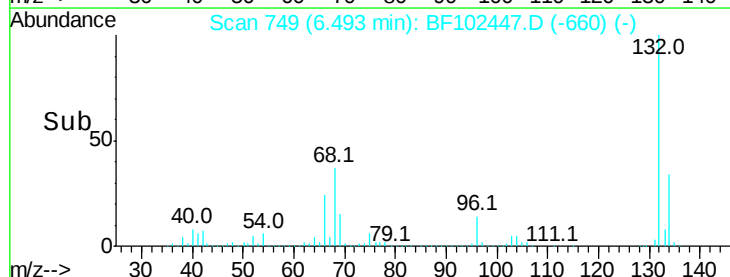
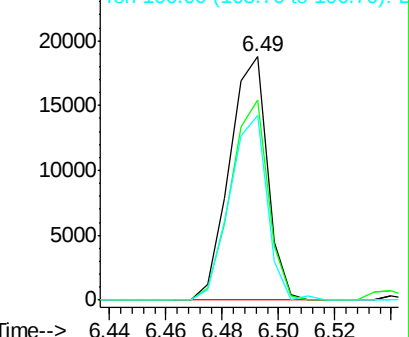
77 100

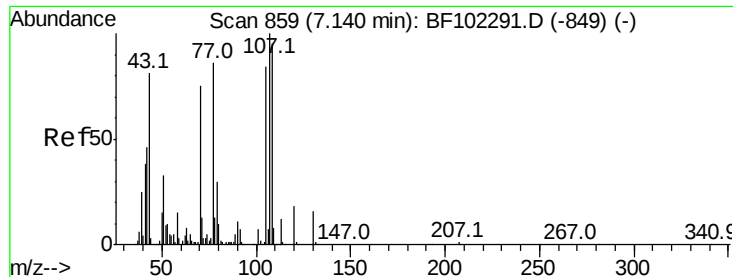
105 82.4 81.1 121.1

106 75.7 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

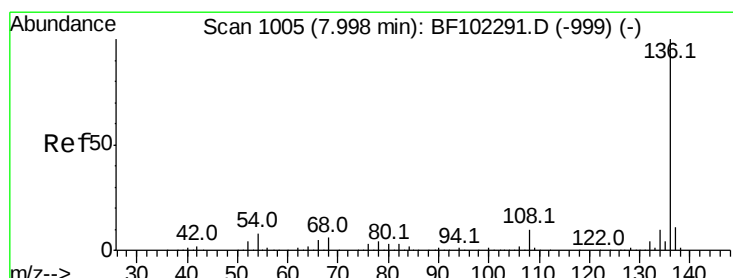
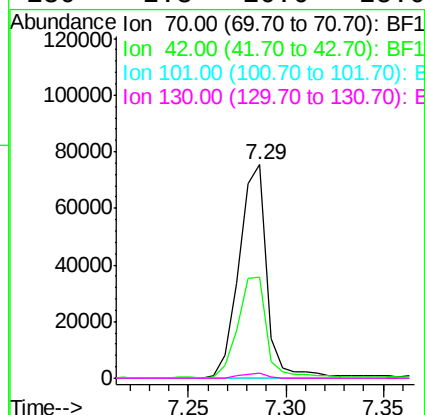
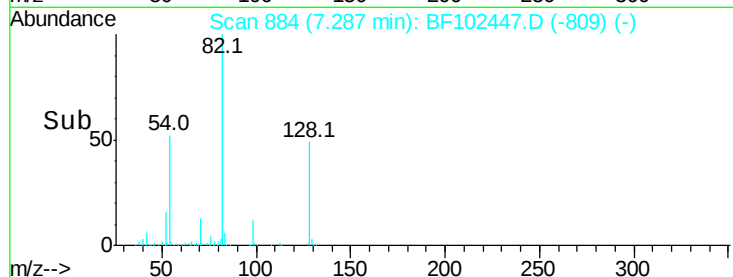
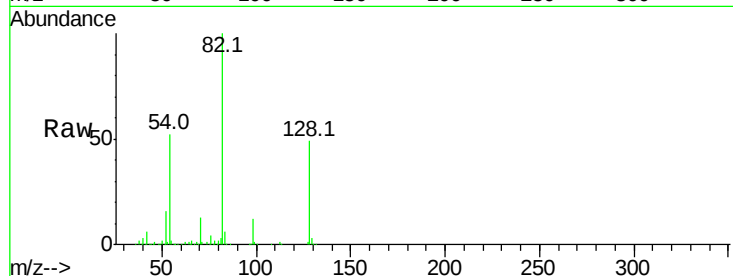




#19
n-Nitroso-di-n-propylamine
Concen: 11.289 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.14 min
Lab File: BF102447.D
Acq: 26 Jan 2018 1:59

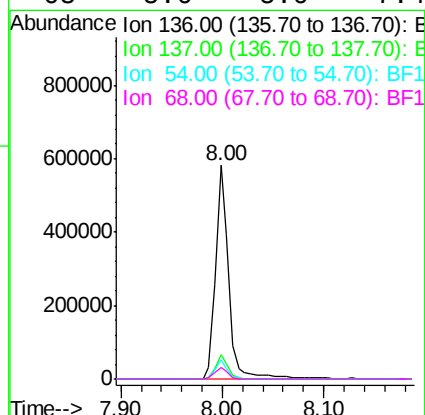
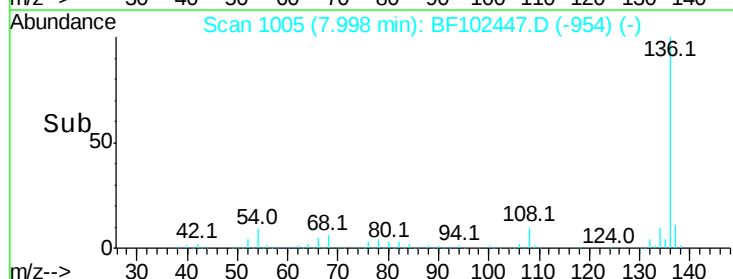
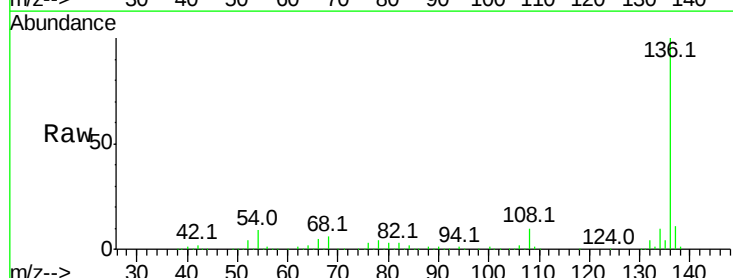
Instrument :
BNA_F
ClientSampled :

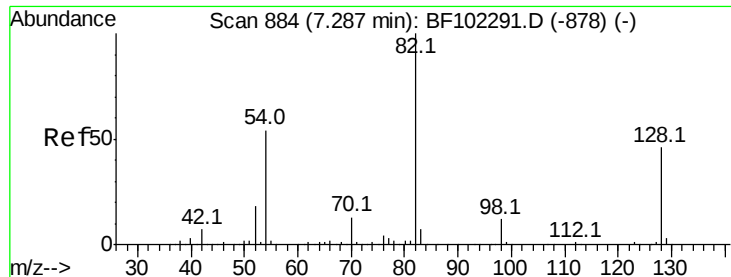
Tot Ion: 70 Resp: 74944
Ion Ratio Lower Upper
70 100
42 47.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102447.D
Acq: 26 Jan 2018 1:59

Tgt Ion:136 Resp: 527100
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 9.0 6.6 9.8
68 5.6 5.0 7.4

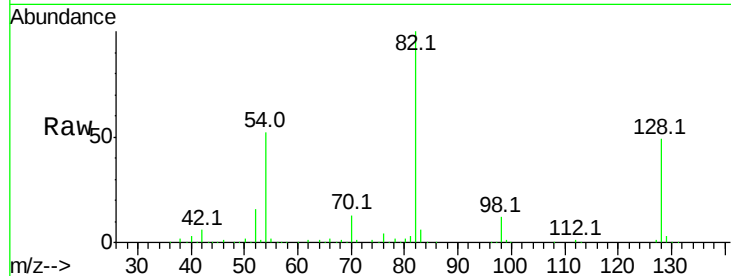




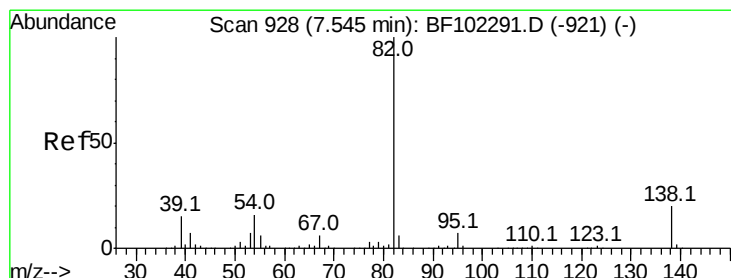
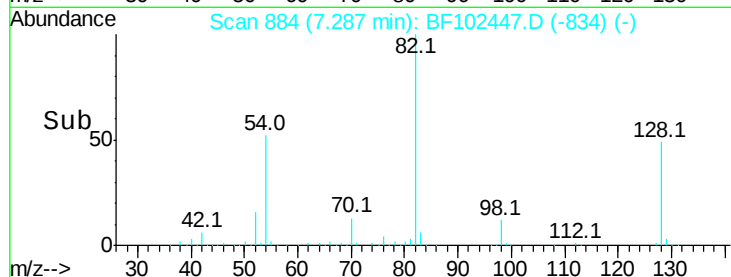
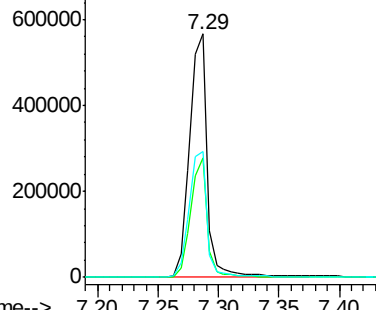
#23
 Nitrobenzene-d5
 Concen: 62.161 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF102447.D
 Acq: 26 Jan 2018 1:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 570152
 Ion Ratio Lower Upper
 82 100
 128 49.2 36.1 54.1
 54 51.6 41.4 62.2

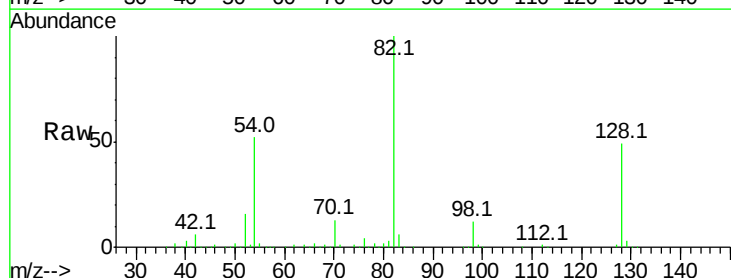


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

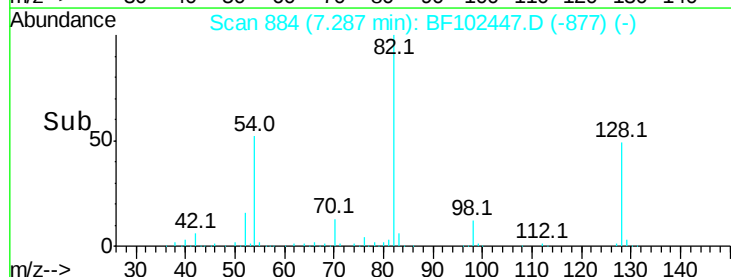
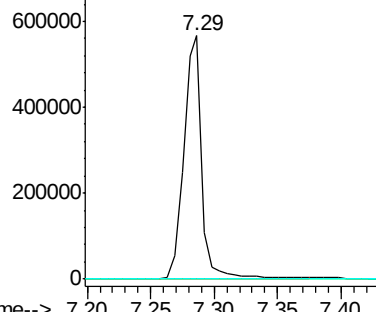


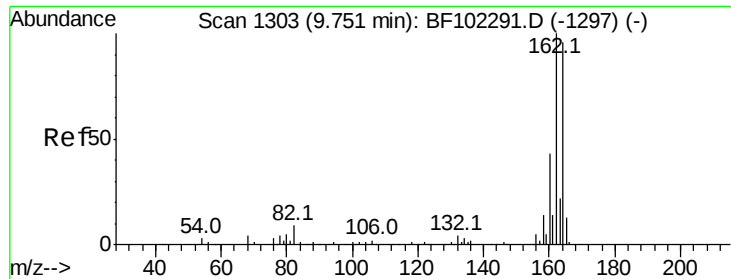
#25
 Isophorone
 Concen: 34.868 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.26 min
 Lab File: BF102447.D
 Acq: 26 Jan 2018 1:59

Tgt Ion: 82 Resp: 570148
 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

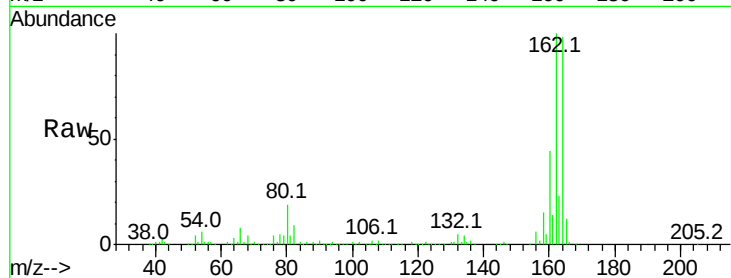




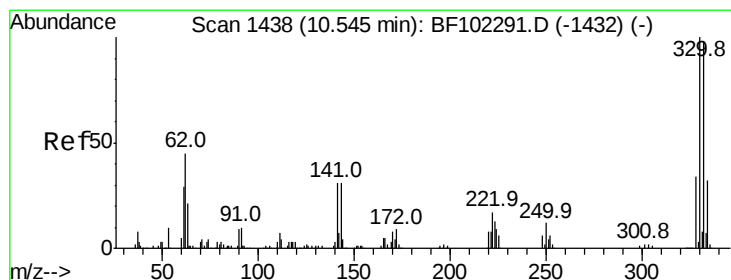
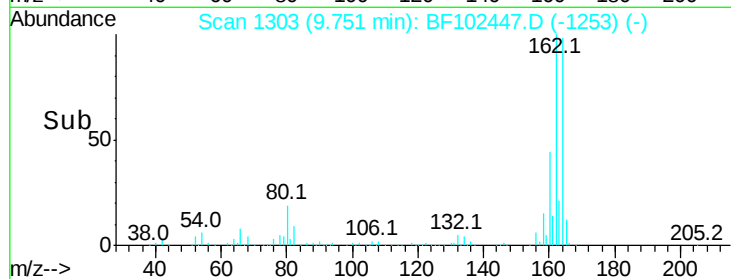
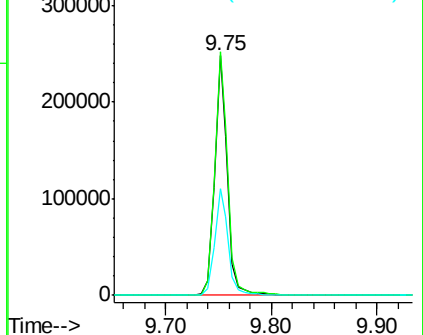
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102447.D
 Acq: 26 Jan 2018 1:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 212632
 Ion Ratio Lower Upper
 164 100
 162 101.8 86.1 129.1
 160 44.8 38.3 57.5

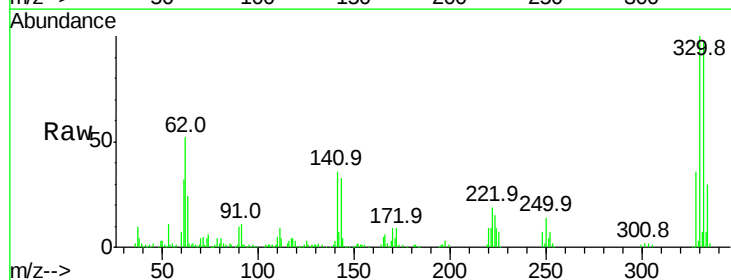


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

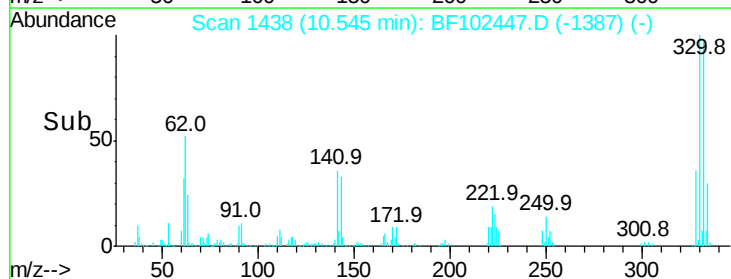
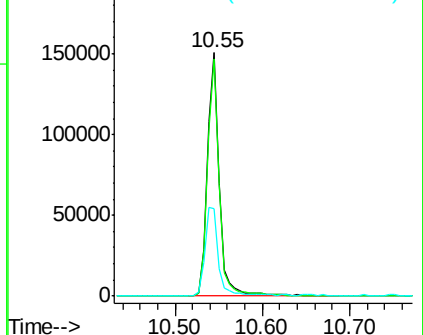


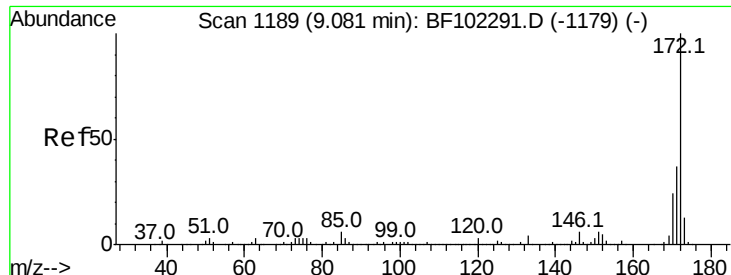
#41
 2,4,6-Tribromophenol
 Concen: 68.419 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102447.D
 Acq: 26 Jan 2018 1:59

Tgt Ion:330 Resp: 144151
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 41.4 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

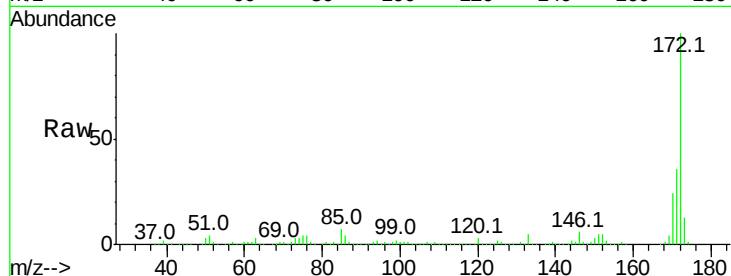




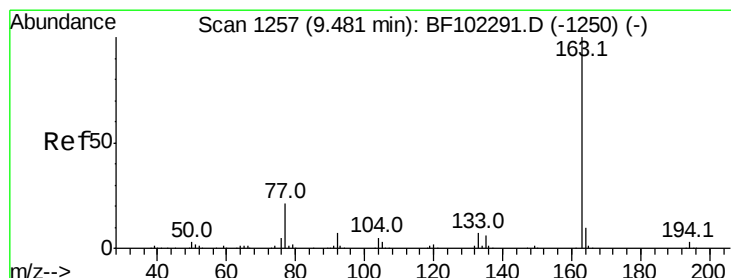
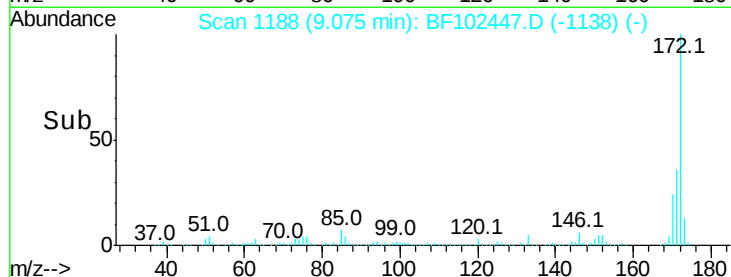
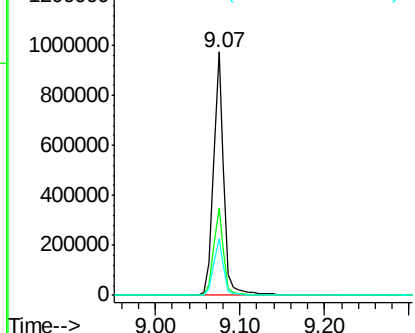
#44
2-Fluorobiphenyl
Concen: 59.798 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102447.D
Acq: 26 Jan 2018 1:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 864756
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.5 19.6 29.4

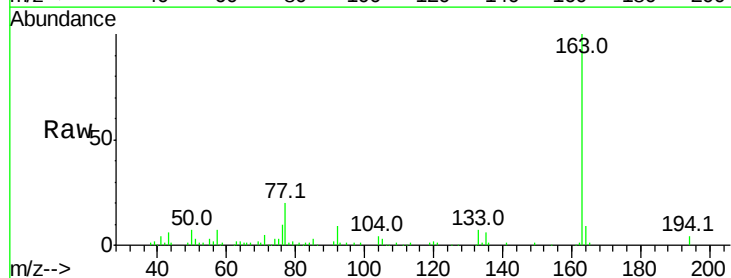


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

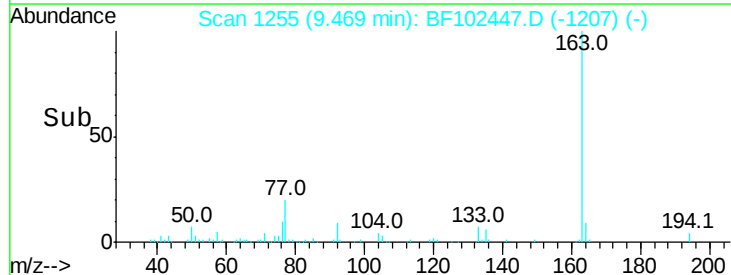
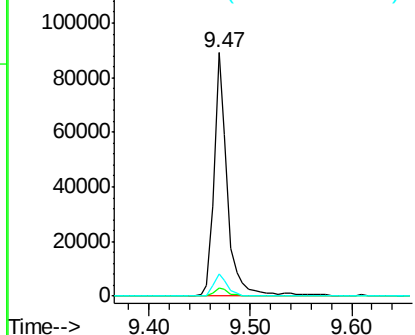


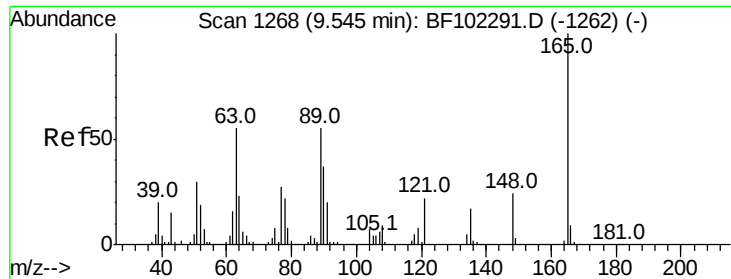
#49
Dimethylphthalate
Concen: 4.653 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102447.D
Acq: 26 Jan 2018 1:59

Tgt Ion:163 Resp: 81777
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.3 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

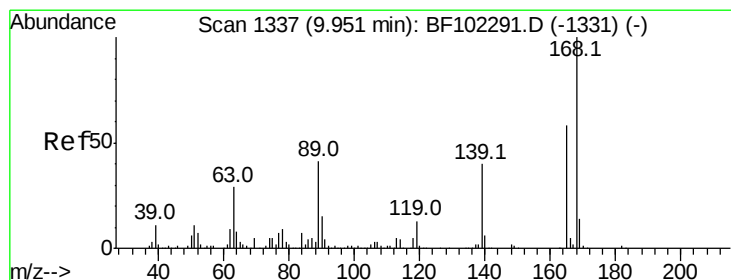
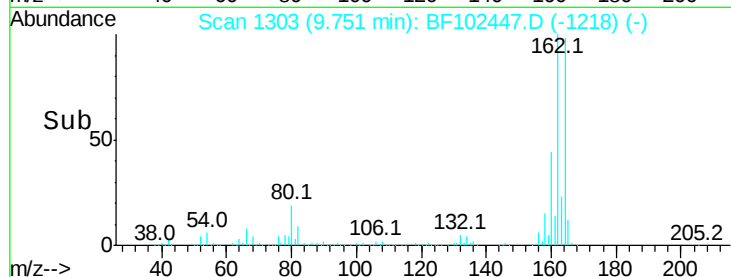
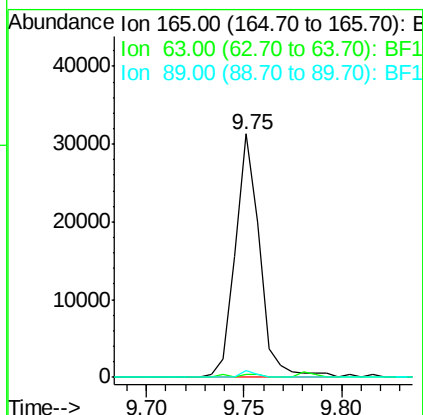
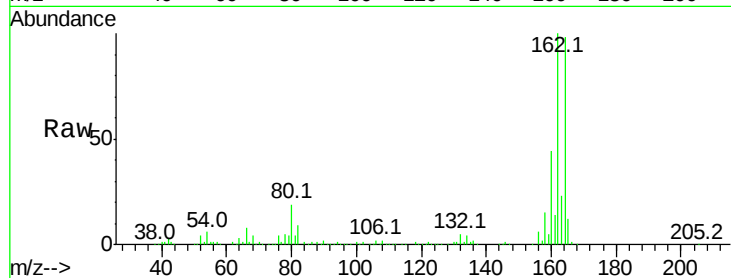




#50
 2,6-Dinitrotoluene
 Concen: 7.189 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.20 min
 Lab File: BF102447.D
 Acq: 26 Jan 2018 1:59

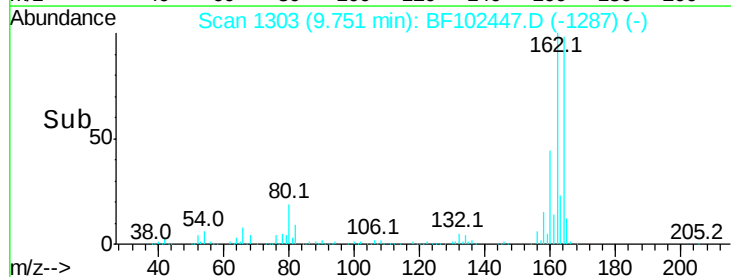
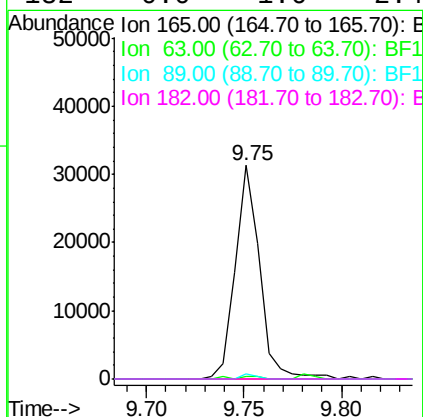
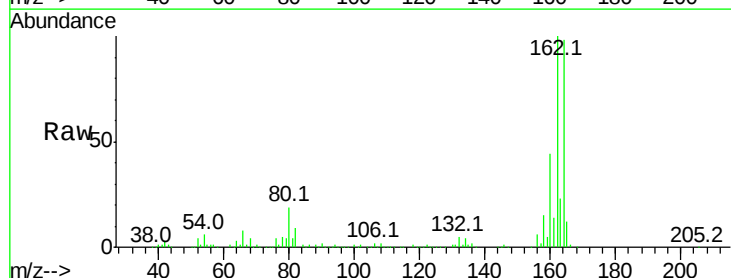
Instrument :
 BNA_F
 ClientSampleId :

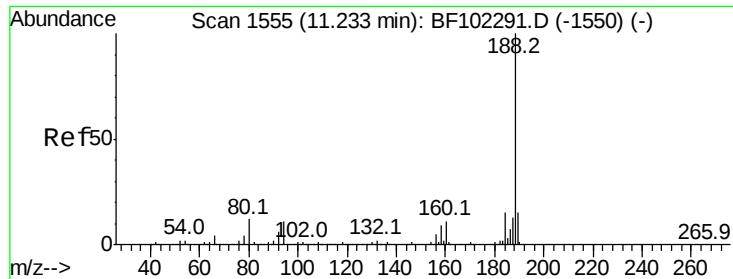
Tot Ion:165 Resp: 27240
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 2.6 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.846 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF102447.D
 Acq: 26 Jan 2018 1:59

Tgt Ion:165 Resp: 27240
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 2.6 57.8 86.6#
 182 0.0 1.6 2.4#

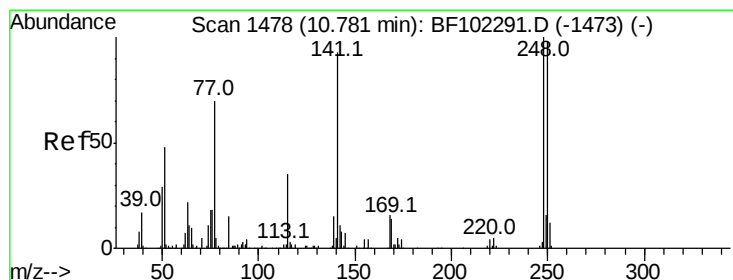
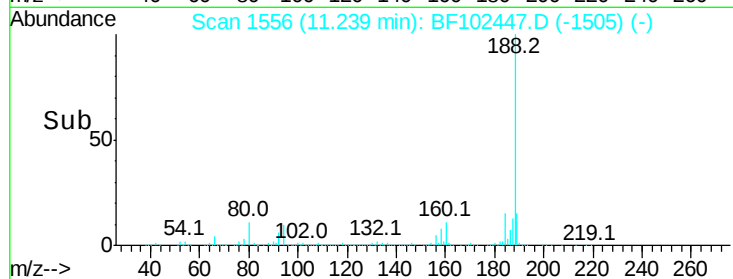
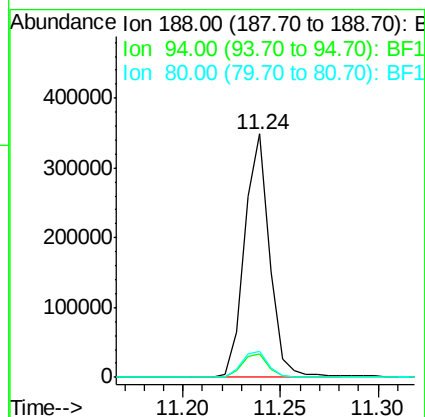
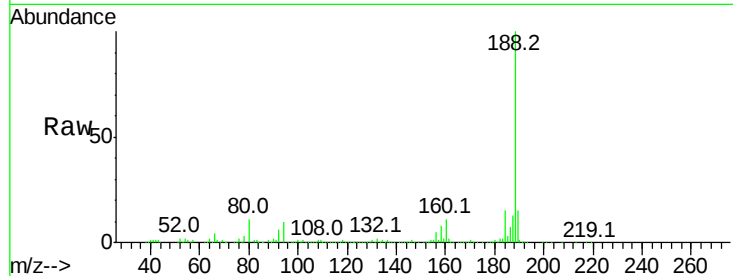




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102447.D
Acq: 26 Jan 2018 1:59

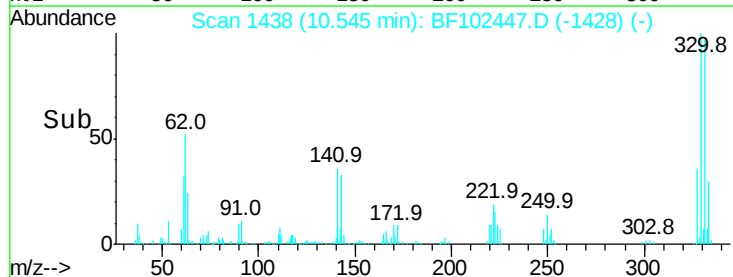
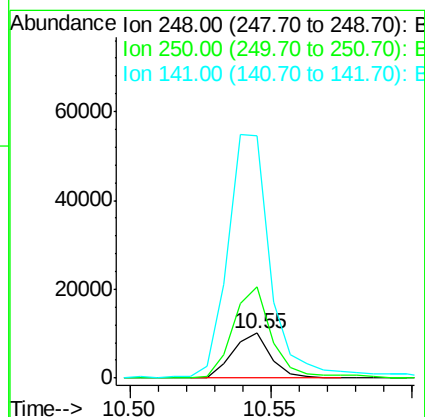
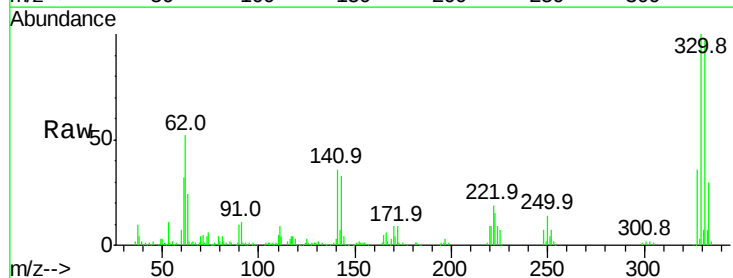
Instrument :
BNA_F
ClientSampleId :

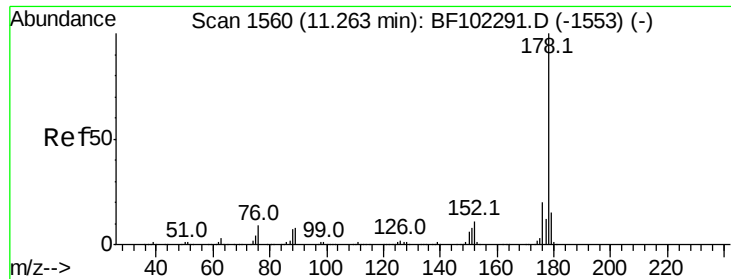
Tot Ion:188 Resp: 309429
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.848 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102447.D
Acq: 26 Jan 2018 1:59

Tgt Ion:248 Resp: 9487
Ion Ratio Lower Upper
248 100
250 203.4 76.9 115.3#
141 540.6 74.4 111.6#





#70

Phenanthrene

Concen: 4.662 ng

RT: 11.26 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

Instrument :

BNA_F

ClientSampleId :

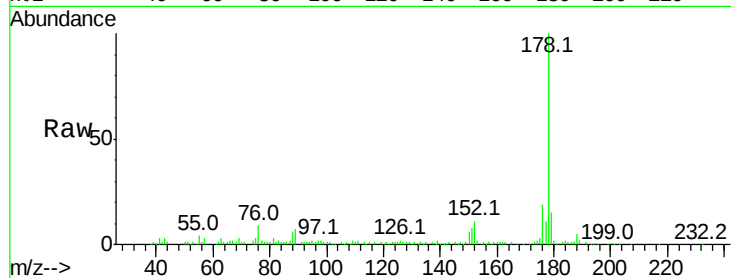
Tot Ion:178 Resp: 84070

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

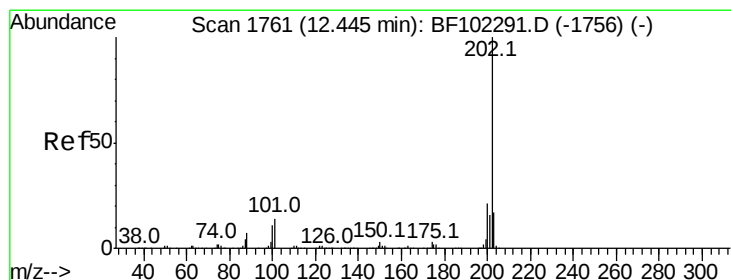
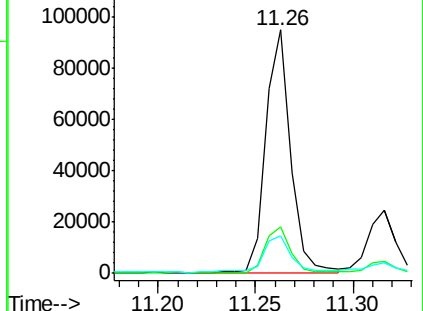
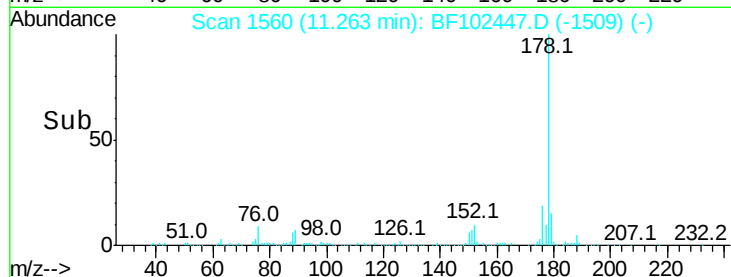
179 15.2 13.0 19.6



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



#74

Fluoranthene

Concen: 5.457 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

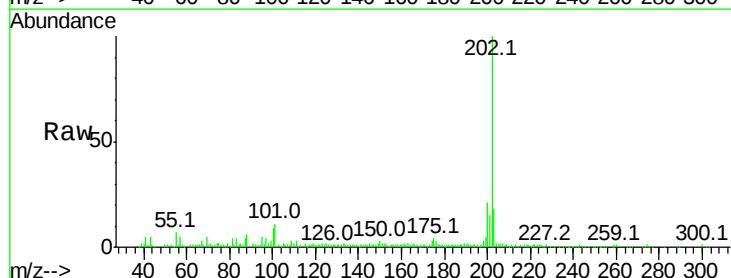
Tgt Ion:202 Resp: 100332

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

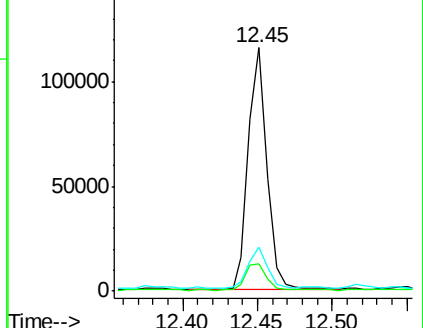
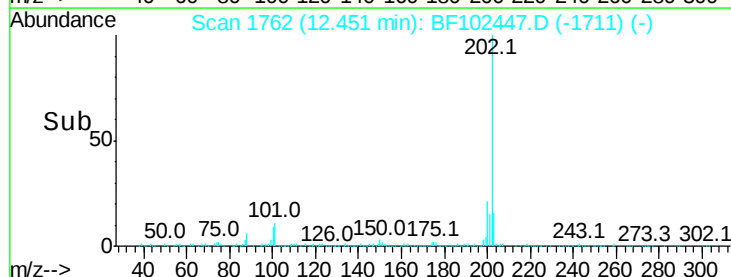
203 17.9 0.0 38.1

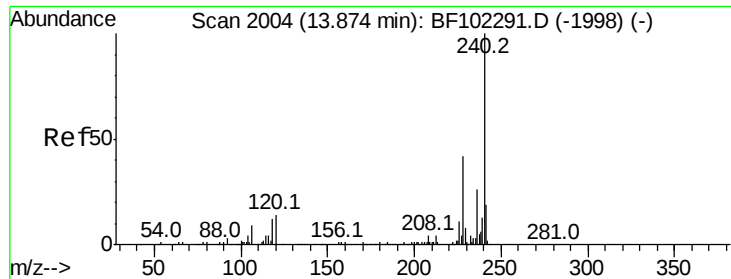


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

Instrument :

BNA_F

ClientSampleId :

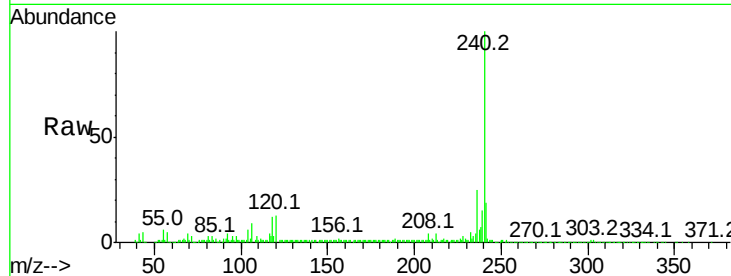
Tot Ion:240 Resp: 253342

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

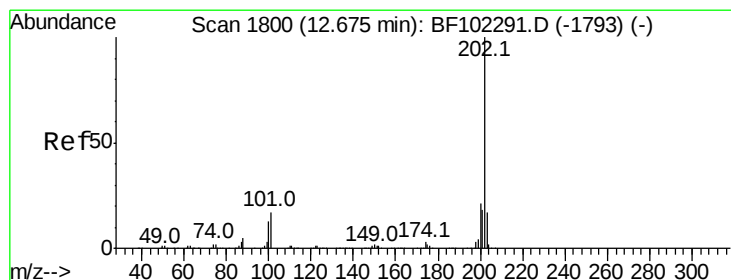
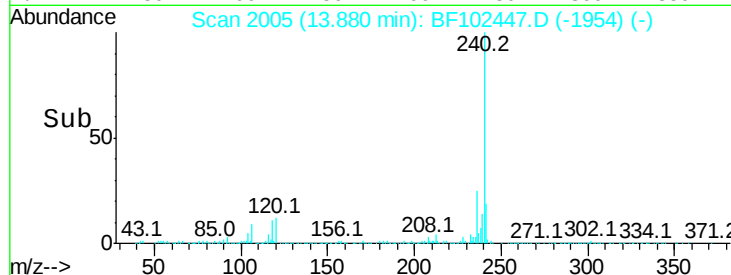
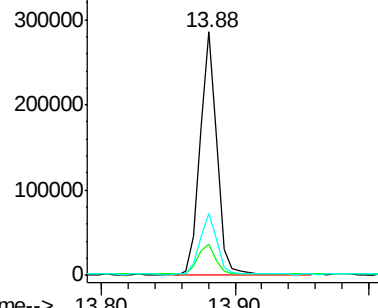
236 25.4 20.7 31.1



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: 4.706 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

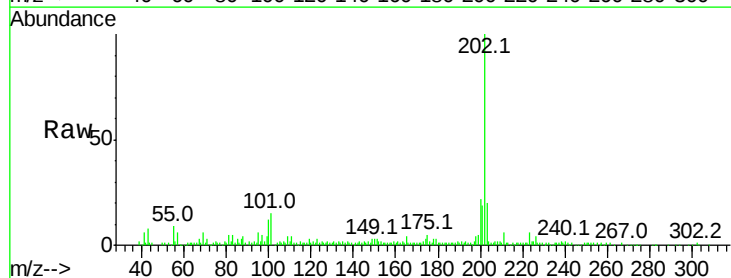
Tgt Ion:202 Resp: 92184

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

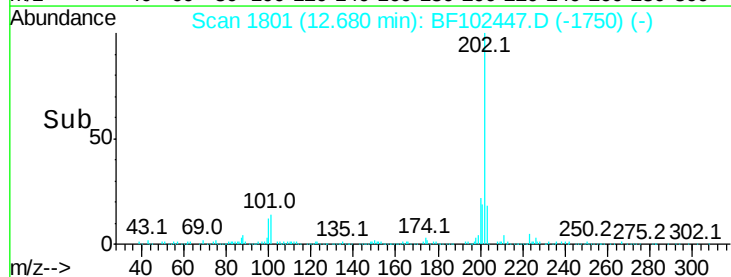
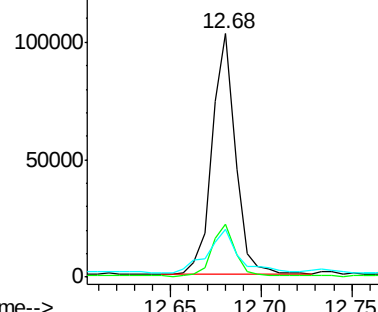
203 19.8 14.3 21.5

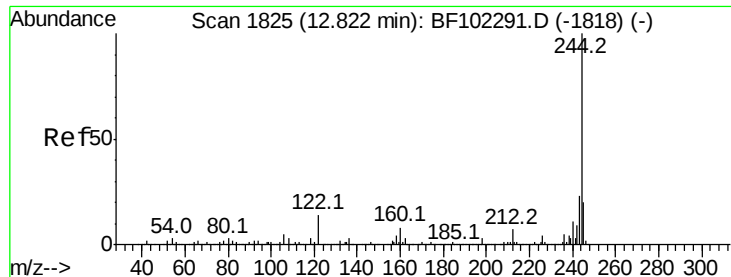


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.873 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

Instrument :

BNA_F

ClientSampleId :

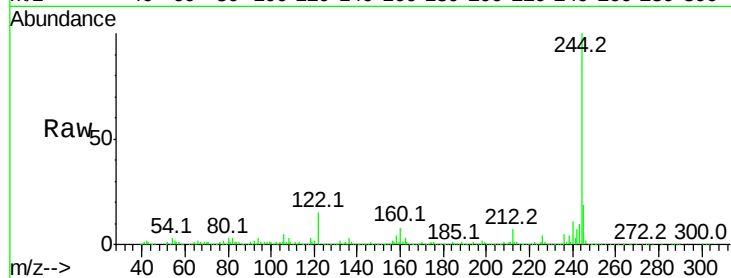
Tot Ion:244 Resp: 582945

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

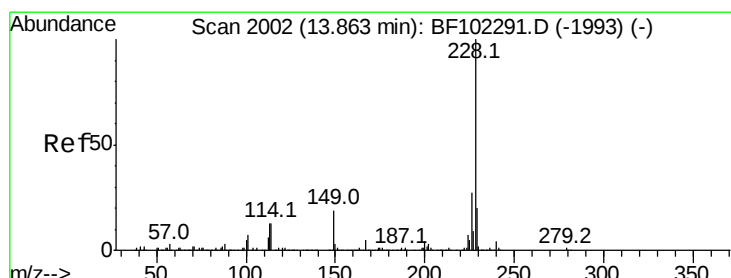
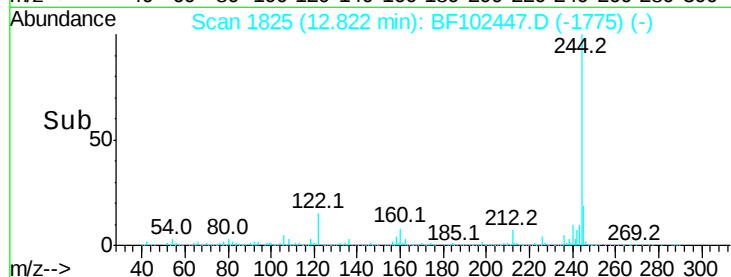
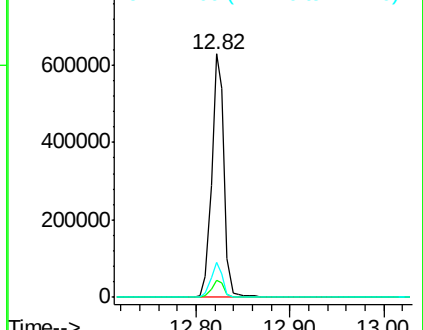
122 14.6 11.0 16.4



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: 2.534 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

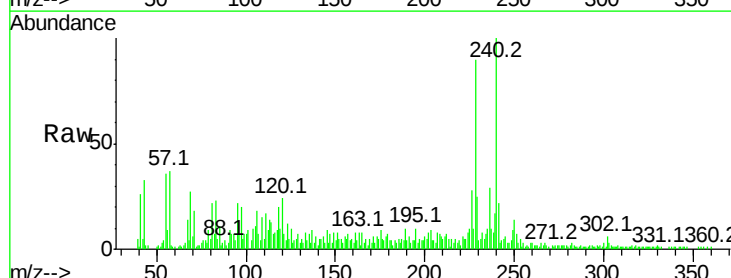
Tgt Ion:228 Resp: 39520

Ion Ratio Lower Upper

228 100

226 31.0 22.6 33.8

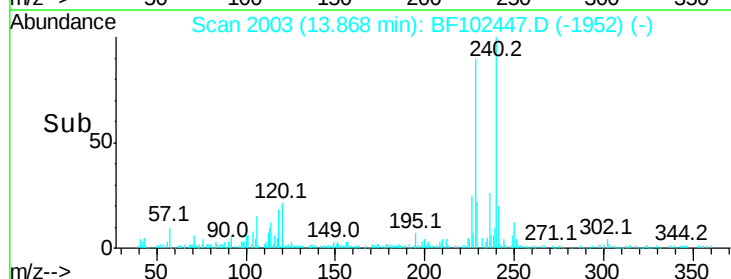
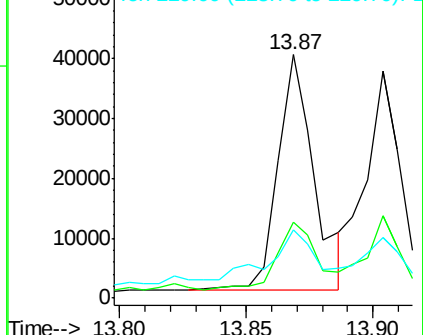
229 28.2 15.8 23.6#

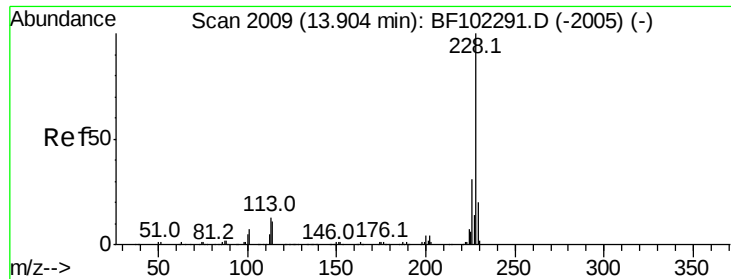


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.313 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

Instrument :

BNA_F

ClientSampleId :

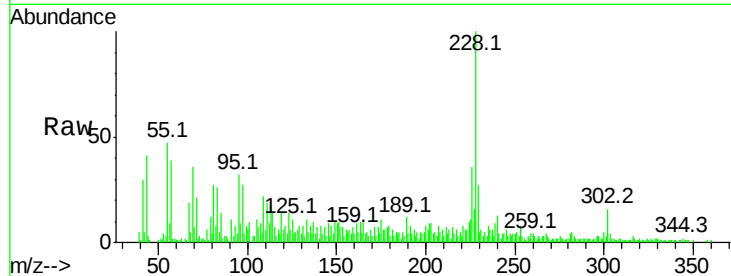
Tot Ion:228 Resp: 36637

Ion Ratio Lower Upper

228 100

226 36.2 25.0 37.6

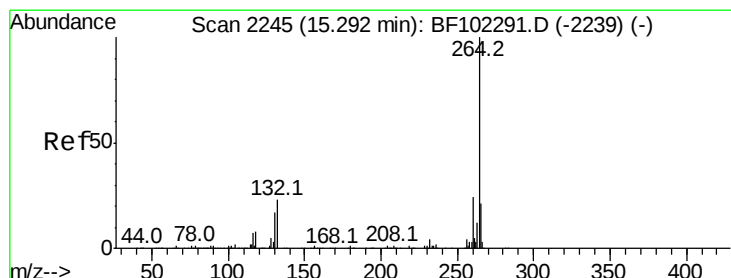
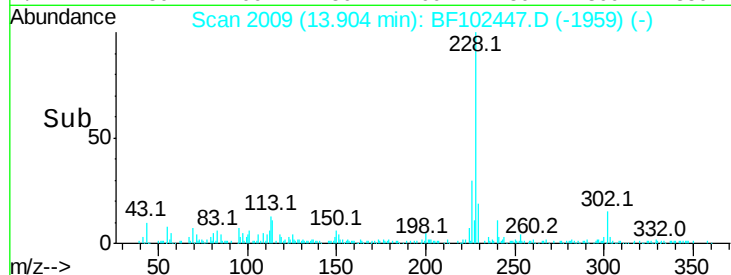
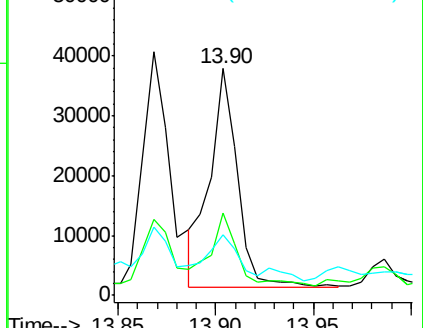
229 26.6 16.2 24.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.01 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

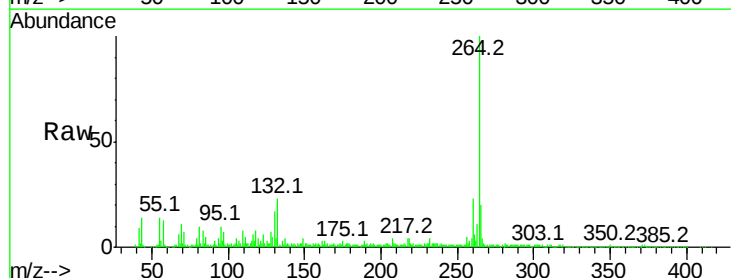
Tgt Ion:264 Resp: 195191

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

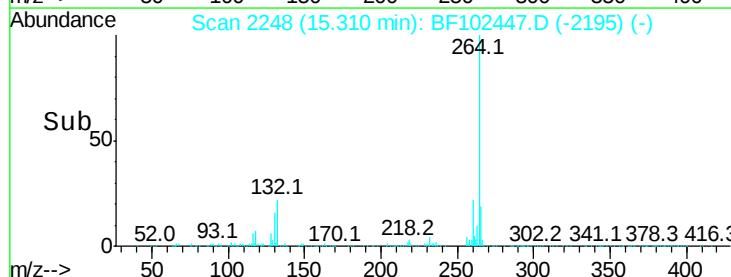
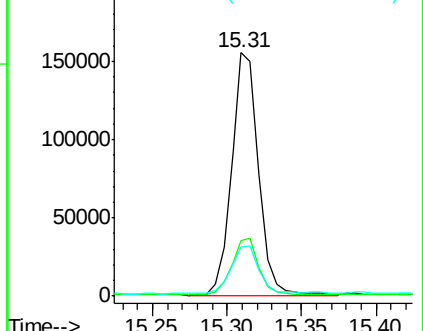
265 20.2 17.5 26.3

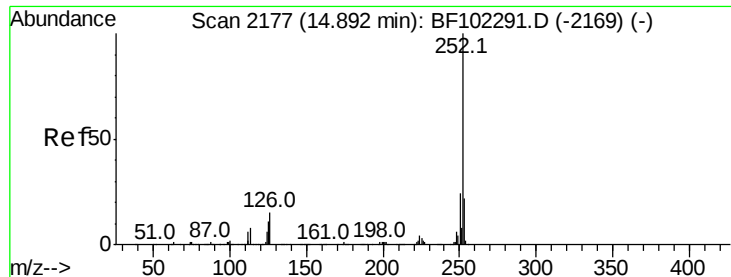


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.642 ng

RT: 14.90 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

Instrument :

BNA_F

ClientSampleId :

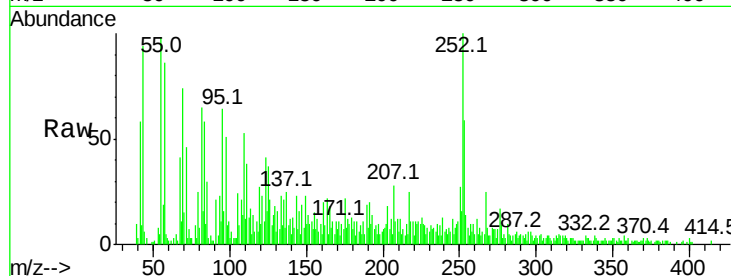
Tot Ion:252 Resp: 46078

Ion Ratio Lower Upper

252 100

253 59.3 17.0 25.6#

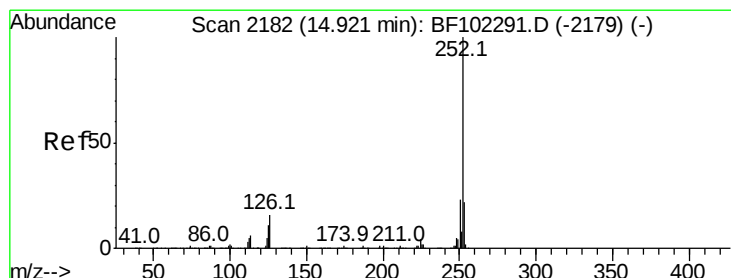
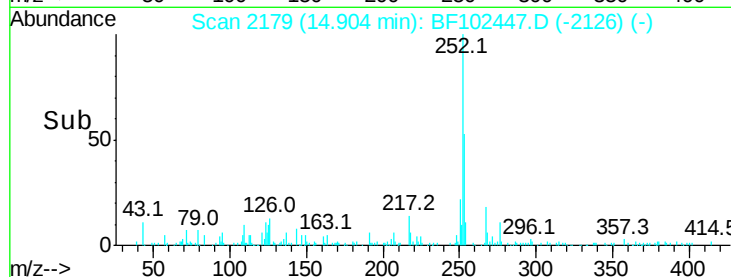
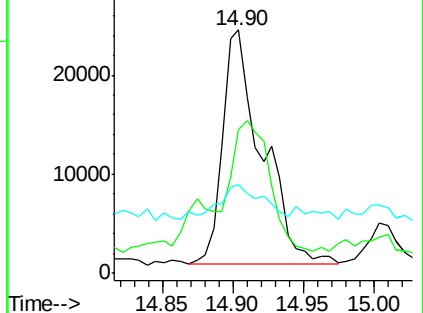
125 36.6 9.0 13.6#



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: 3.855 ng

RT: 14.90 min Scan# 2179

Delta R.T. -0.02 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

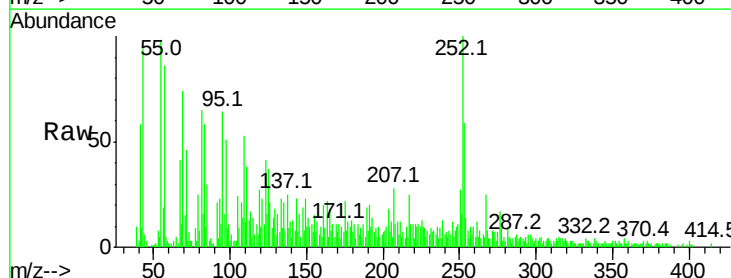
Tgt Ion:252 Resp: 46078

Ion Ratio Lower Upper

252 100

253 59.3 17.9 26.9#

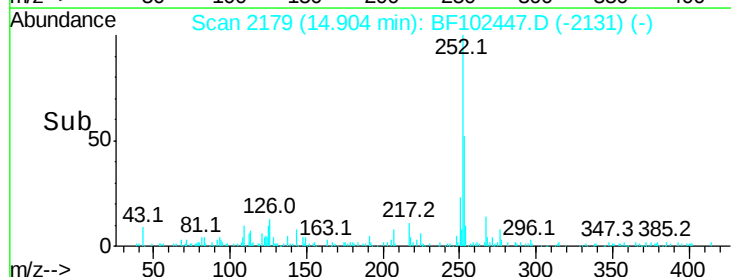
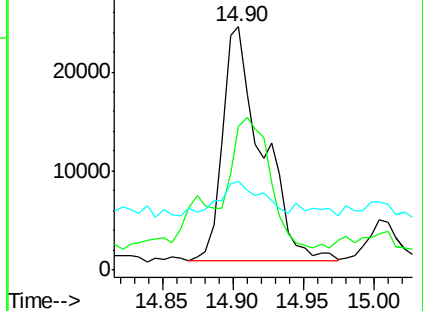
125 36.6 10.2 15.2#

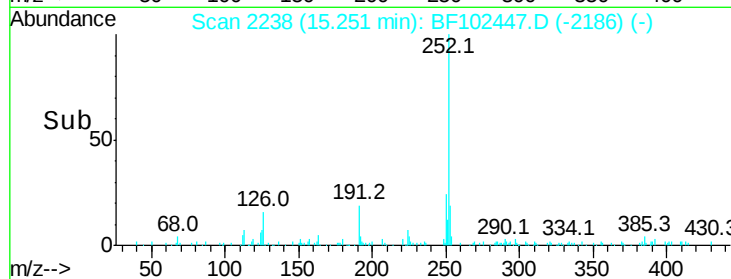
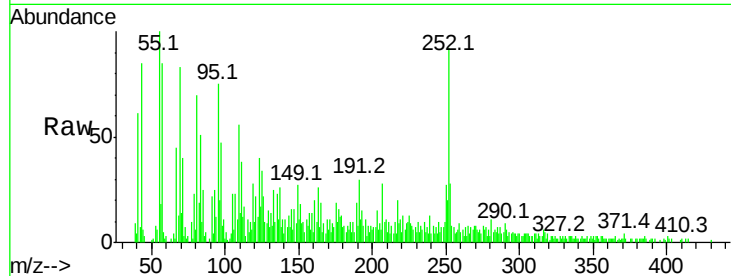
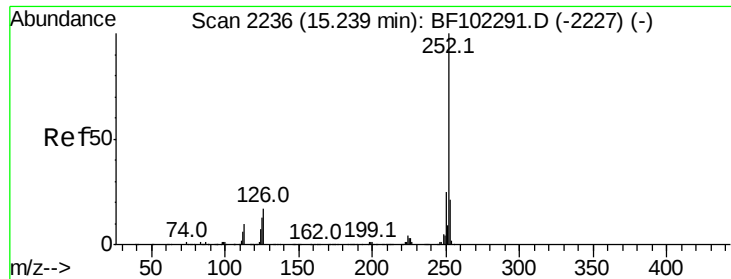


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.184 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF102447.D

Acq: 26 Jan 2018 1:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 24920

Ion Ratio Lower Upper

252 100

253 30.0 17.1 25.7#

125 37.5 9.8 14.6#

