

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010218\
 Data File : BF101845.D
 Acq On : 2 Jan 2018 12:36
 Operator : SJ/JU
 Sample : I6686-07 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 02 13:21:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	137162	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	525961	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	211174	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	321191	20.00	ng	0.00
75) Chrysene-d12	13.97	240	282889	20.00	ng	0.00
86) Perylene-d12	15.44	264	281677	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	477653	51.87	ng	0.00
7) Phenol-d6	6.43	99	561603	49.01	ng	0.00
23) Nitrobenzene-d5	7.35	82	326667	34.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	86832	42.67	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	517388	38.01	ng	0.00
78) Terphenyl-d14	12.90	244	350885	29.90	ng	0.00

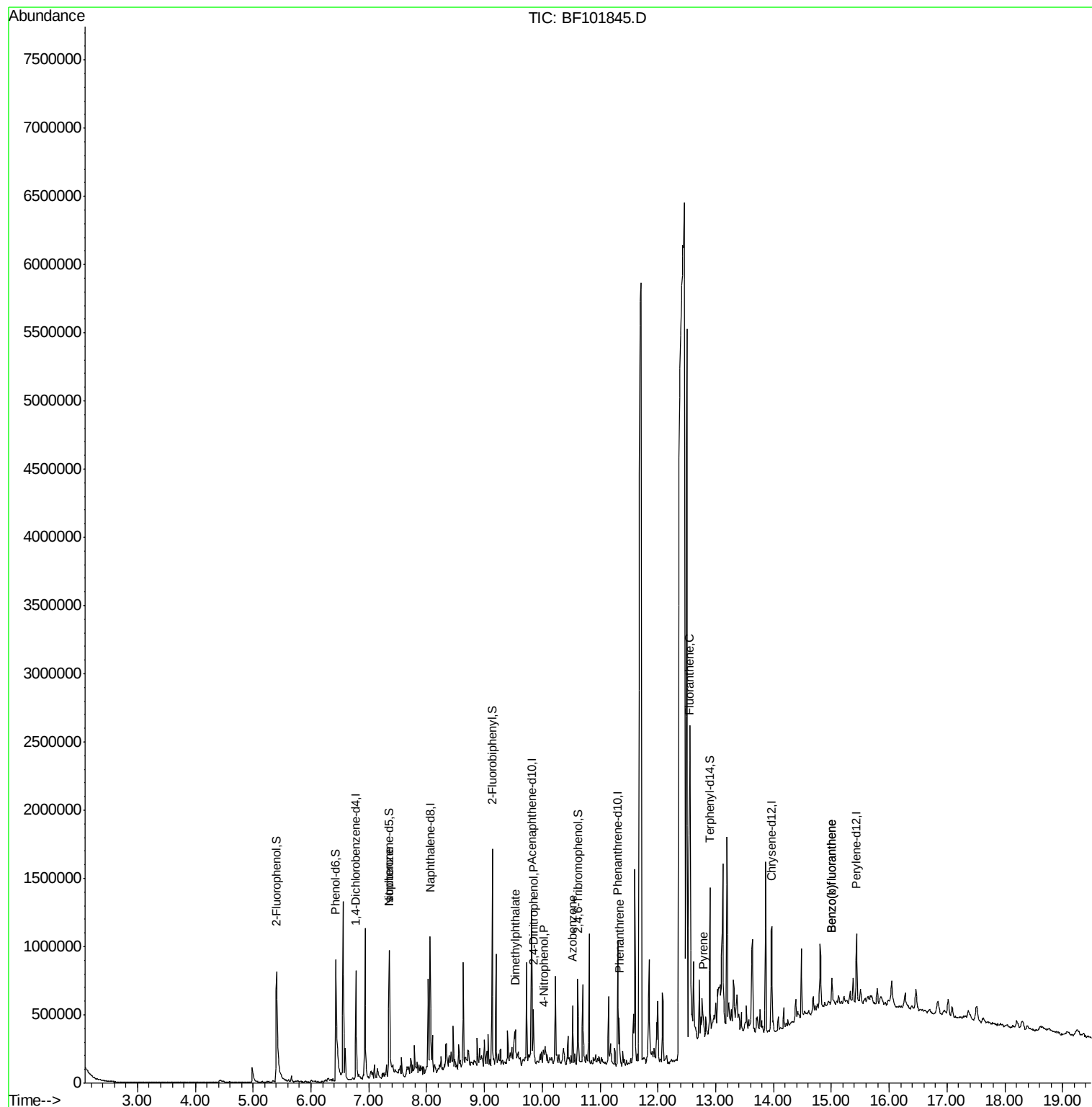
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.35	82	326667	17.234	ng	# 65
49) Dimethylphthalate	9.53	163	71476	4.208	ng	# 99
53) 2,4-Dinitrophenol	9.85	184	566	10.730	ng	# 1
55) 4-Nitrophenol	10.03	139	9327	4.970	ng	# 29
62) Azobenzene	10.53	77	57027	3.273	ng	# 1
70) Phenanthrene	11.33	178	128455	7.192	ng	98
74) Fluoranthene	12.54	202	94960	5.065	ng	96
77) Pyrene	12.79	202	93797	4.418	ng	98
87) Benzo(b)fluoranthene	15.02	252	52627	3.065	ng	# 79
88) Benzo(k)fluoranthene	15.02	252	52627	3.153	ng	# 82

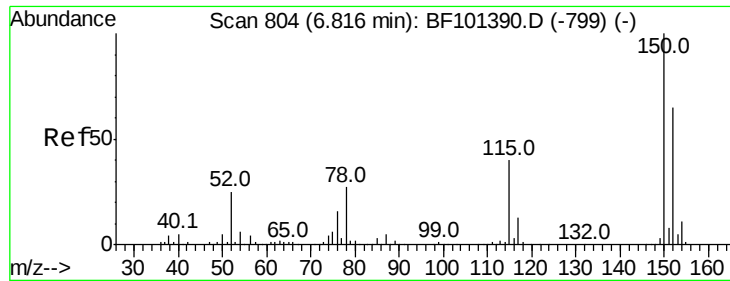
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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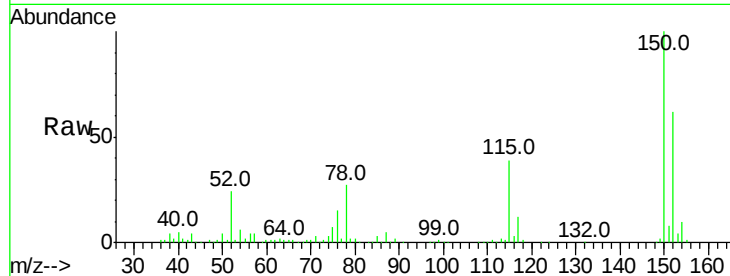


#1

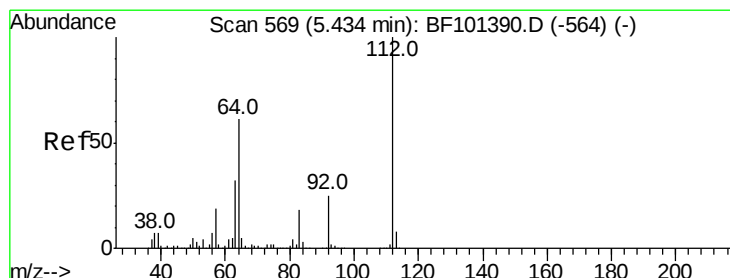
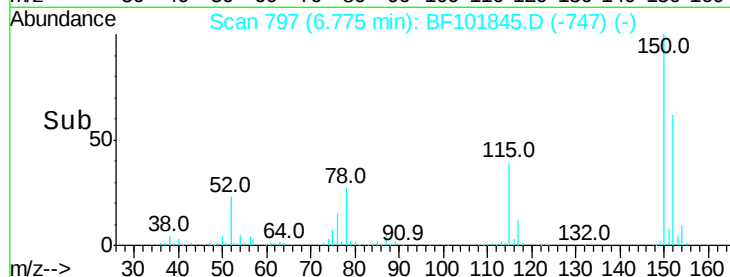
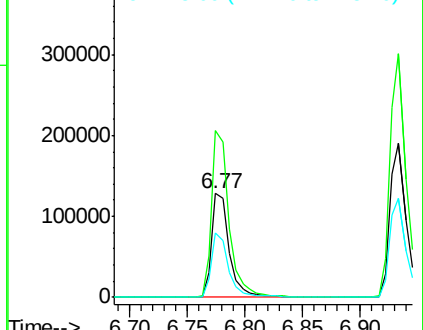
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF101845.D
Acq: 2 Jan 2018 12:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137162
Ion Ratio Lower Upper
152 100
150 160.8 124.6 186.8
115 62.6 50.1 75.1



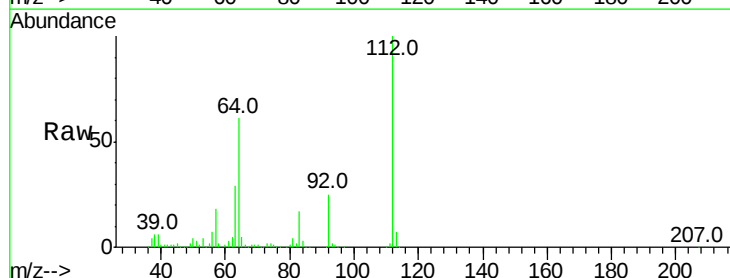
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



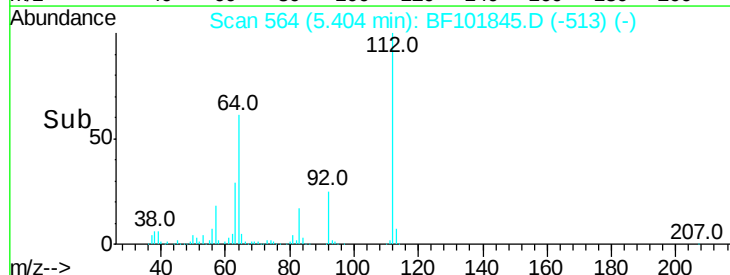
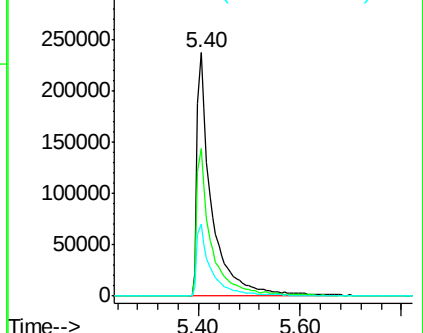
#5

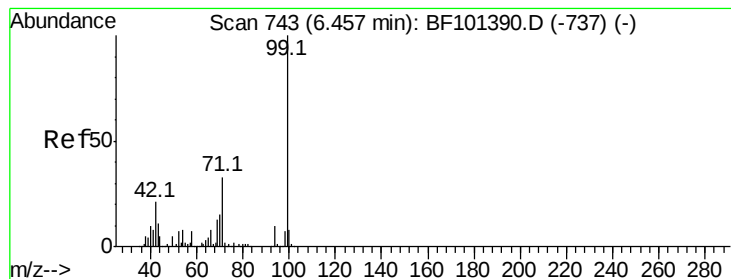
2-Fluorophenol
Concen: 51.873 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF101845.D
Acq: 2 Jan 2018 12:36

Tgt Ion:112 Resp: 477653
Ion Ratio Lower Upper
112 100
64 60.6 47.9 71.9
63 29.4 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: 49.006 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

Instrument :

BNA_F

ClientSampleId :

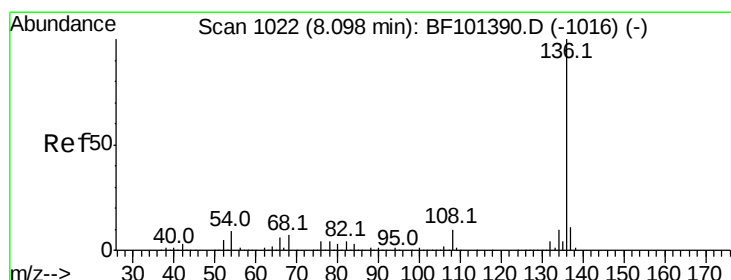
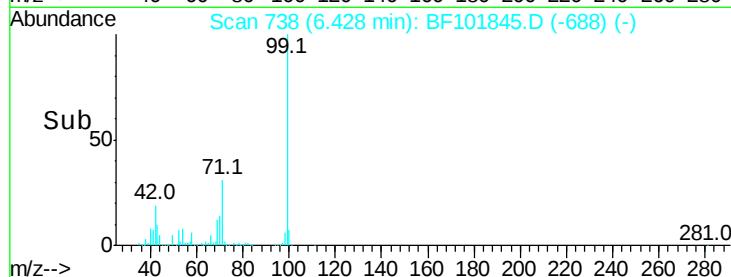
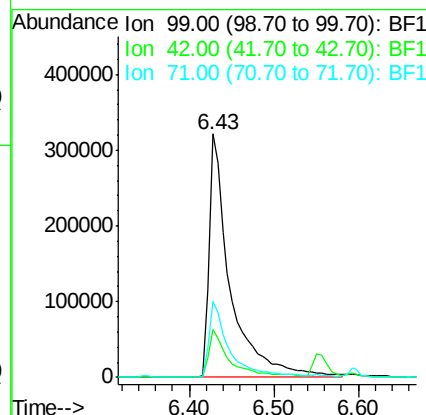
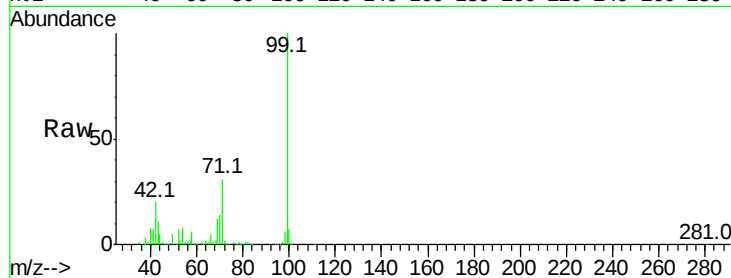
Tot Ion: 99 Resp: 561603

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 31.3 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

Tgt Ion: 136 Resp: 525961

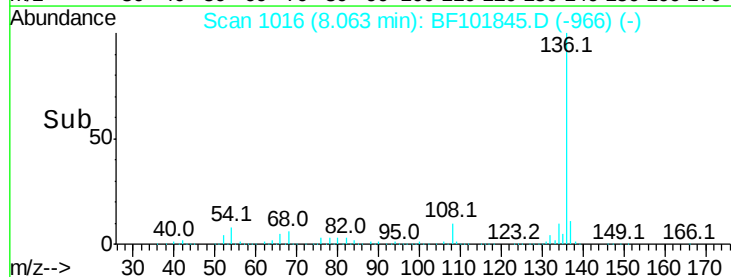
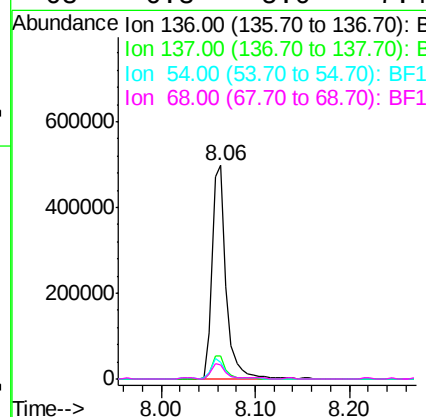
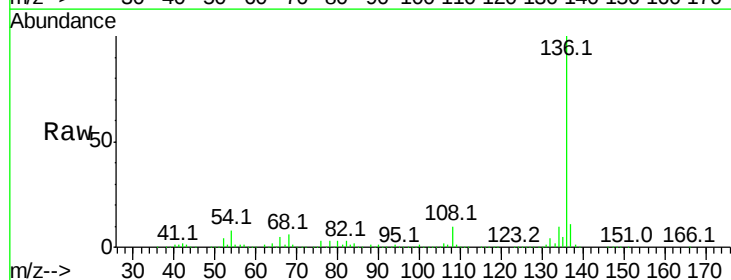
Ion Ratio Lower Upper

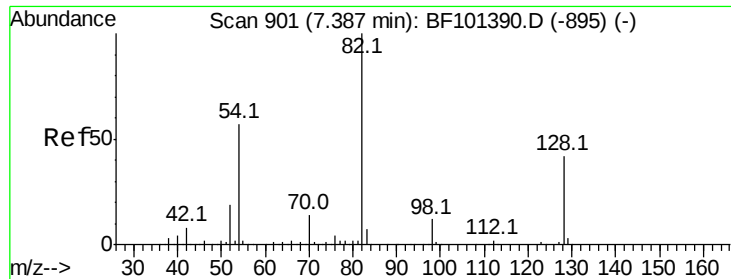
136 100

137 10.9 8.9 13.3

54 7.9 6.6 9.8

68 6.3 5.0 7.4

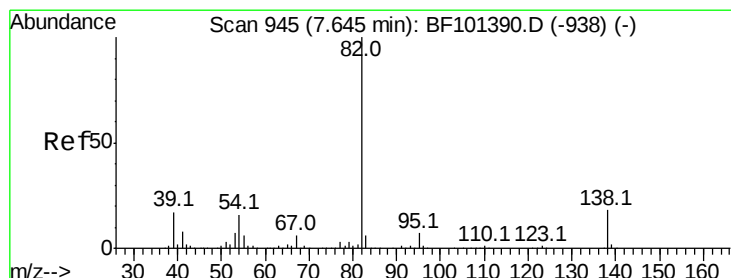
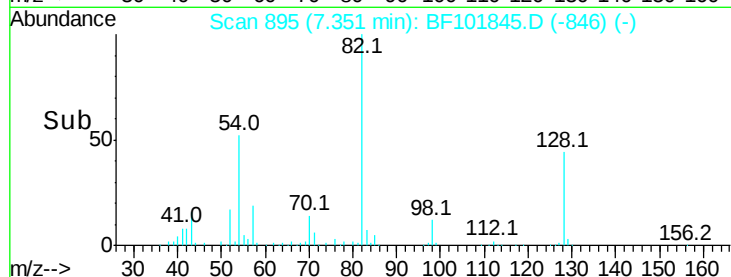
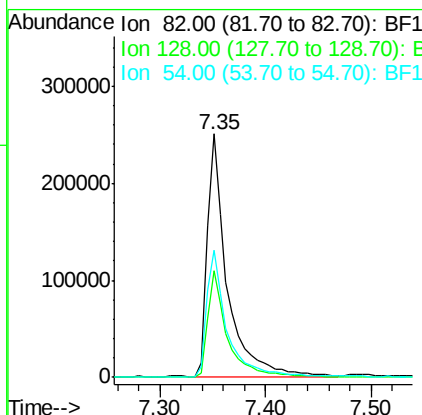
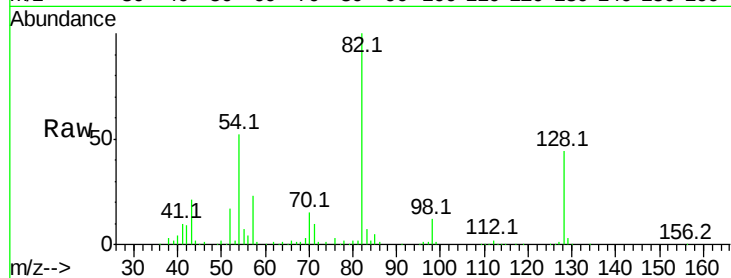




#23
Nitrobenzene-d5
Concen: 34.573 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF101845.D
Acq: 2 Jan 2018 12:36

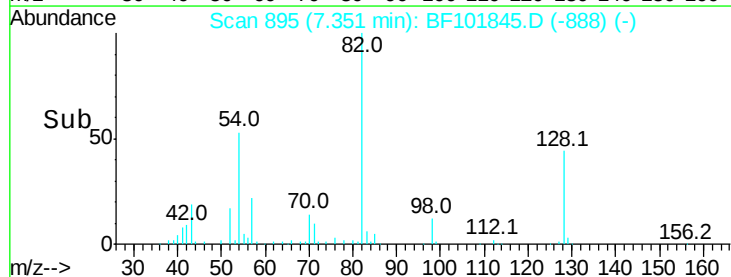
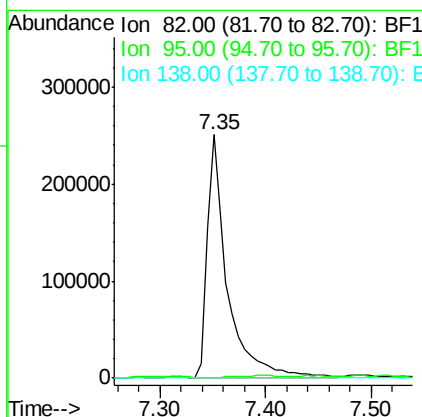
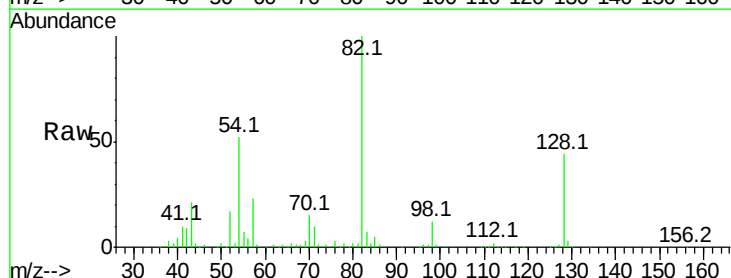
Instrument :
BNA_F
ClientSampleId :

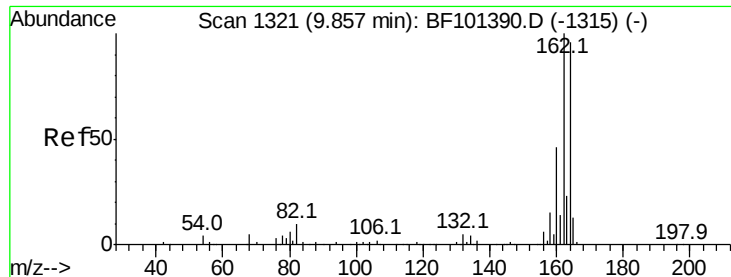
Tot Ion	82	Resp	326667
Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.1	54.1
54	52.4	41.4	62.2



#25
Isophorone
Concen: 17.234 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF101845.D
Acq: 2 Jan 2018 12:36

Tgt Ion	82	Resp	326667
Ion	Ratio	Lower	Upper
82	100		
95	0.4	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

Instrument :

BNA_F

ClientSampleId :

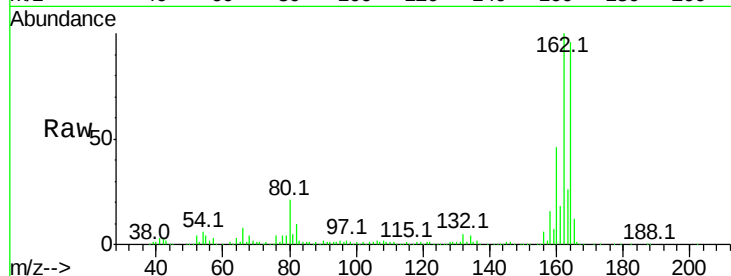
Tot Ion:164 Resp: 211174

Ion Ratio Lower Upper

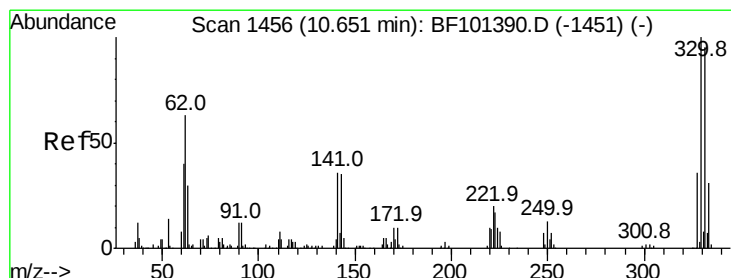
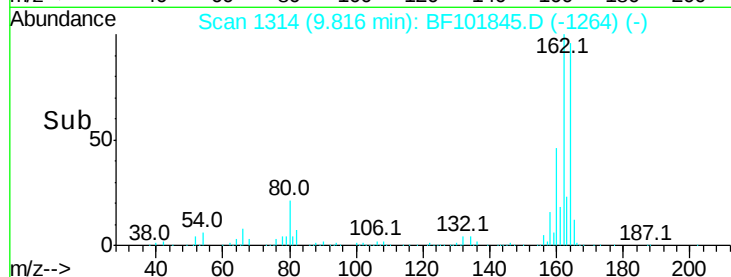
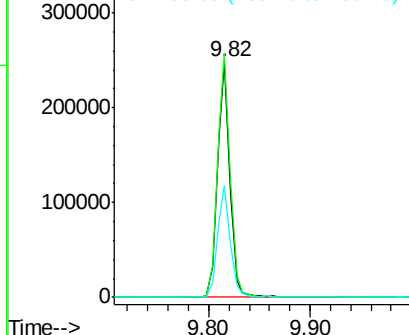
164 100

162 103.7 86.1 129.1

160 47.6 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: 42.673 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

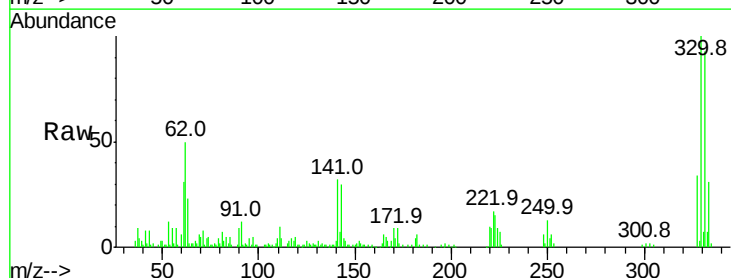
Tgt Ion:330 Resp: 86832

Ion Ratio Lower Upper

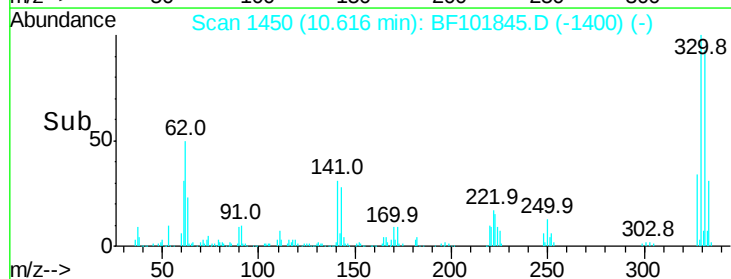
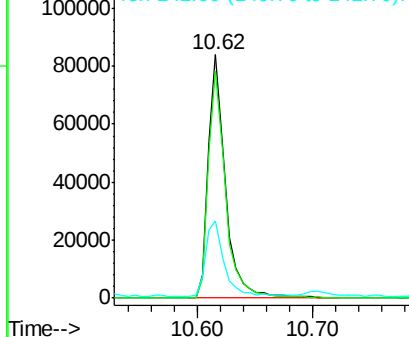
330 100

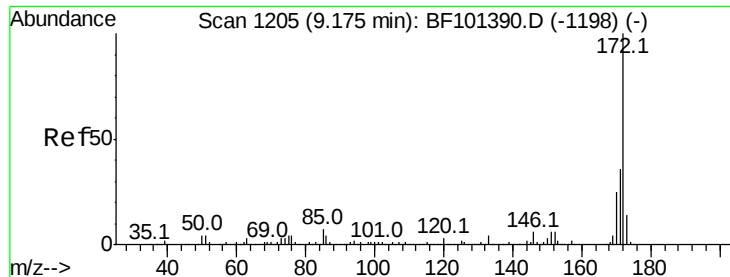
332 93.8 77.0 115.6

141 33.3 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



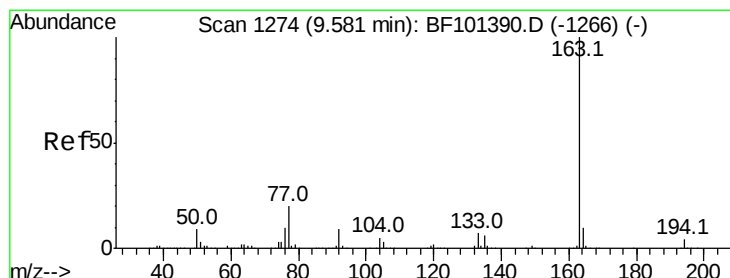
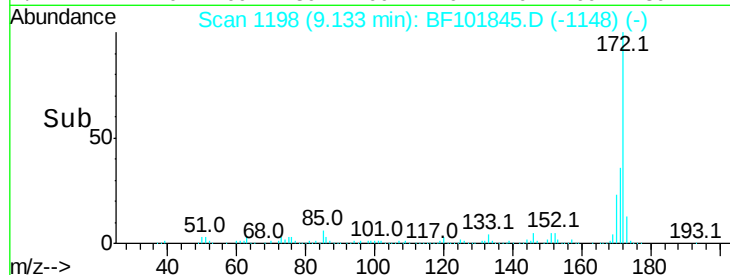
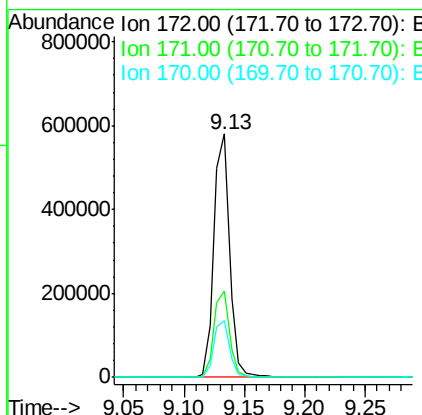
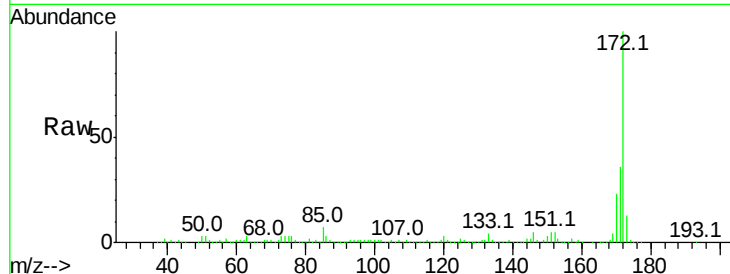


#44
 2-Fluorobiphenyl
 Concen: 38.006 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF101845.D
 Acq: 2 Jan 2018 12:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 517388

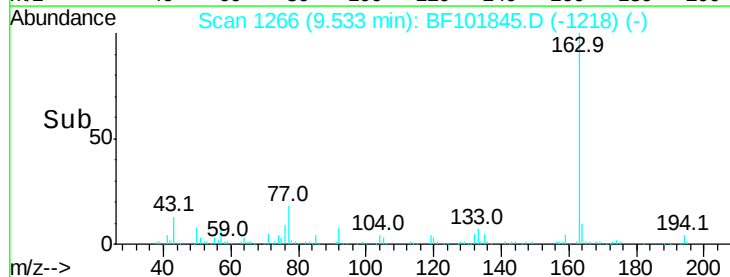
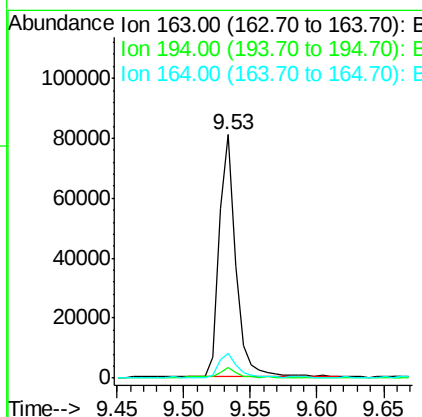
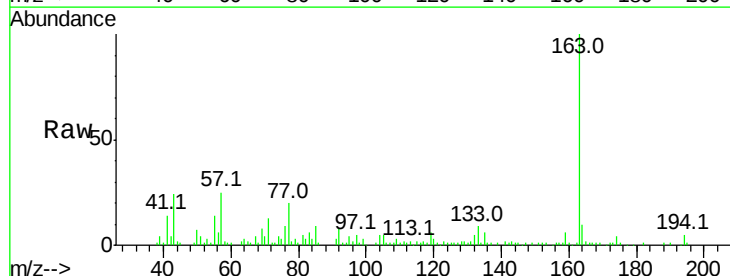
Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.3	19.6	29.4

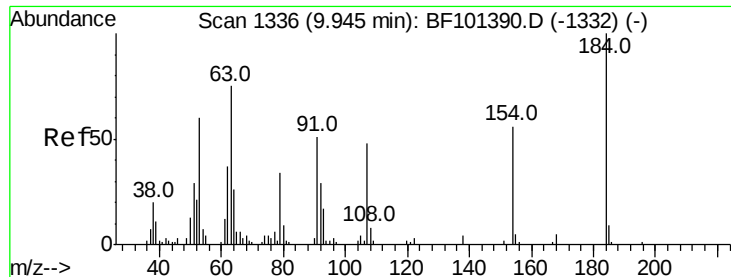


#49
 Dimethylphthalate
 Concen: 4.208 ng
 RT: 9.53 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: BF101845.D
 Acq: 2 Jan 2018 12:36

Tgt Ion:163 Resp: 71476

Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.7	4.1#
164	10.3	8.2	12.2





#53

2,4-Dinitrophenol

Concen: 10.730 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.09 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

Instrument :

BNA_F

ClientSampleId :

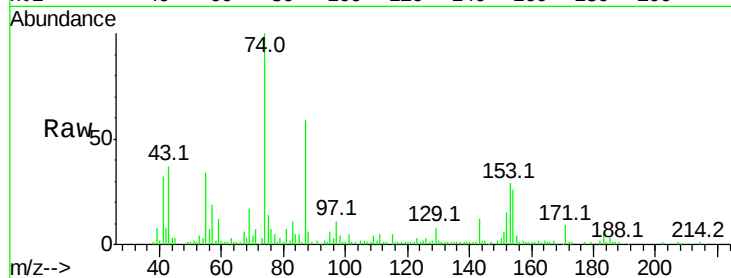
Tot Ion:184 Resp: 566

Ion Ratio Lower Upper

184 100

63 282.9 54.2 81.2#

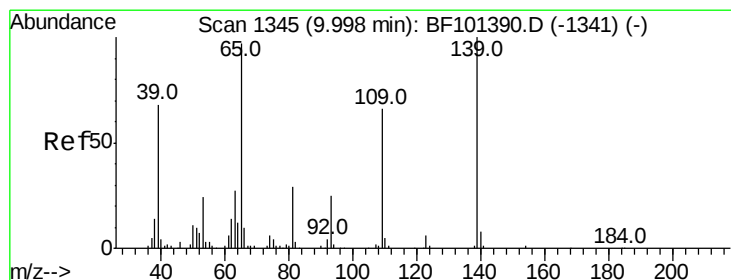
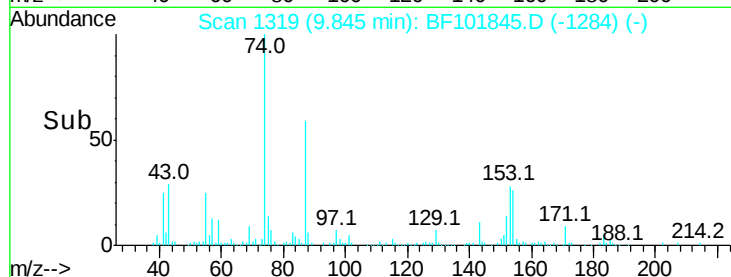
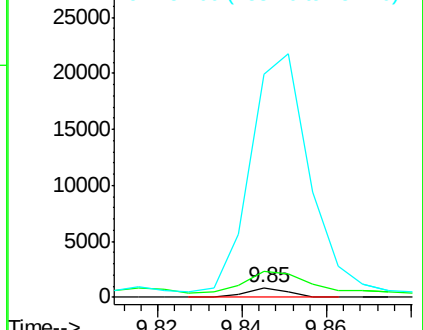
154 2368.6 184.0 276.0#



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



#55

4-Nitrophenol

Concen: 4.970 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.04 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

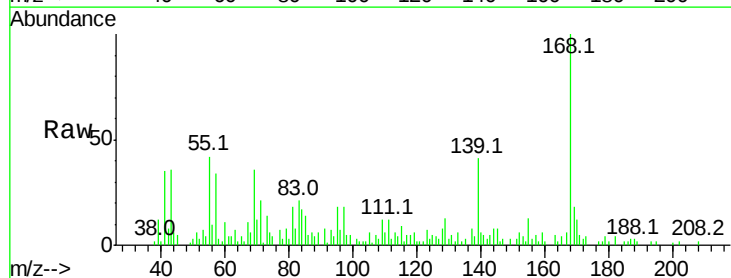
Tgt Ion:139 Resp: 9327

Ion Ratio Lower Upper

139 100

109 29.4 48.4 88.4#

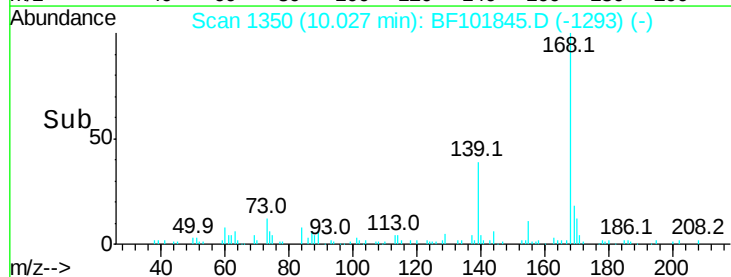
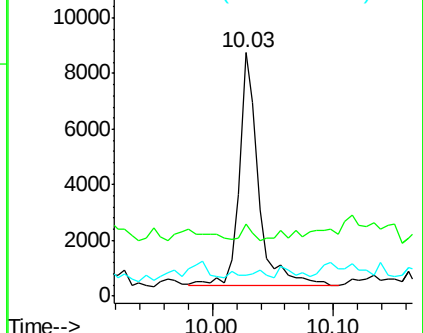
65 8.6 72.6 112.6#

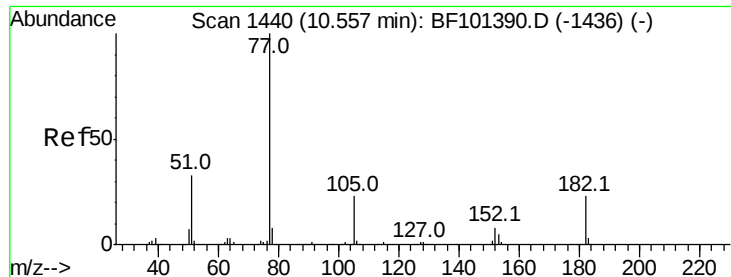


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#62

Azobenzene

Concen: 3.273 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.01 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 57027

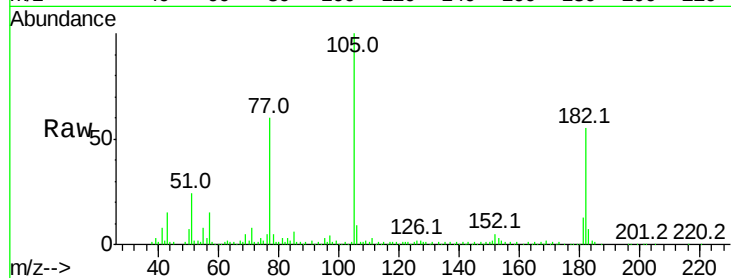
Ion Ratio Lower Upper

77 100

182 91.9 1.7 41.7#

105 166.3 3.0 43.0#

51 39.7 9.9 49.9

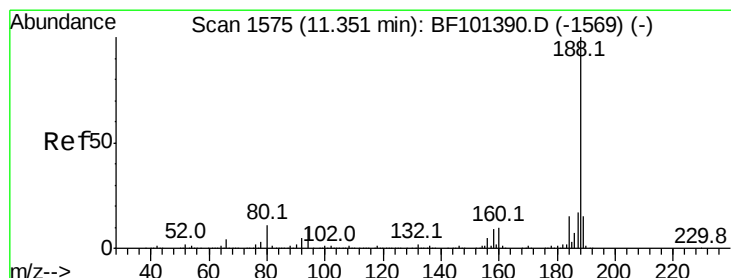
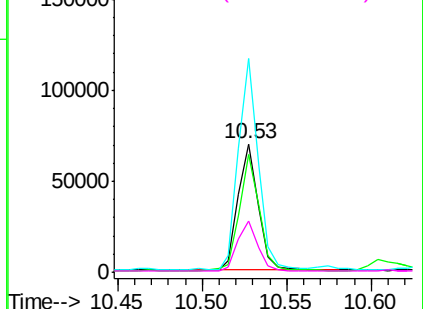
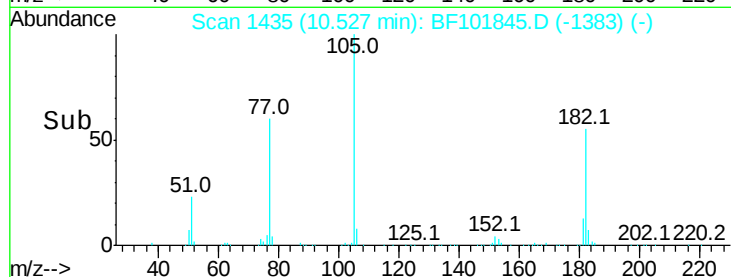


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

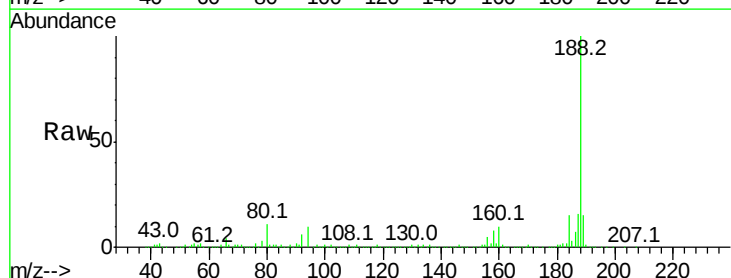
Tgt Ion: 188 Resp: 321191

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

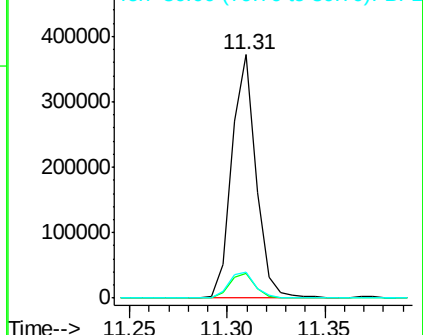
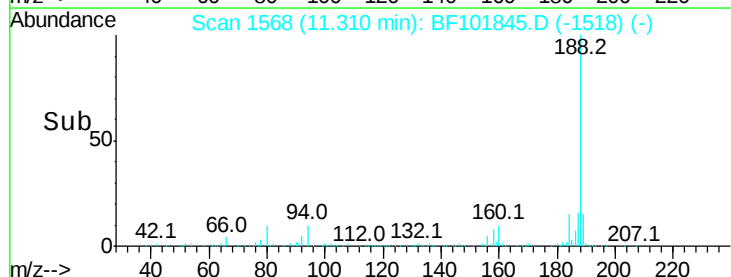
80 10.6 9.2 13.8

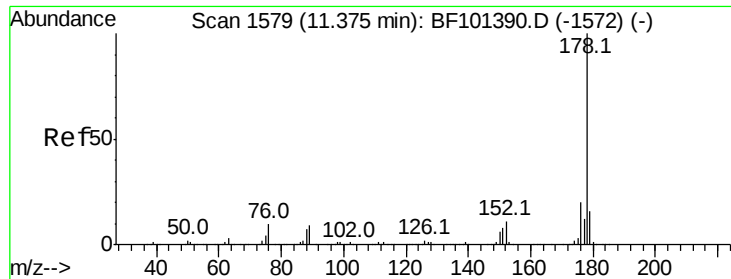


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 7.192 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

Instrument :

BNA_F

ClientSampleId :

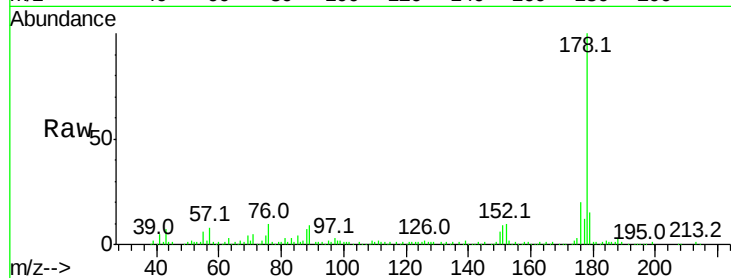
Tot Ion:178 Resp: 128455

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

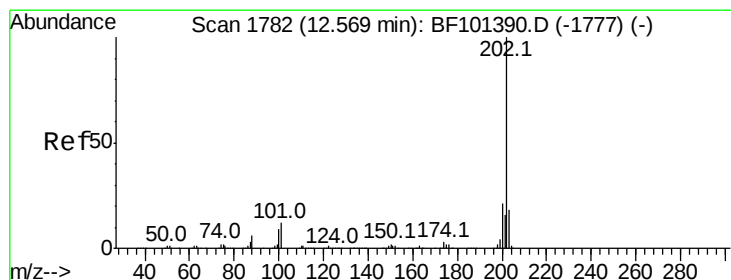
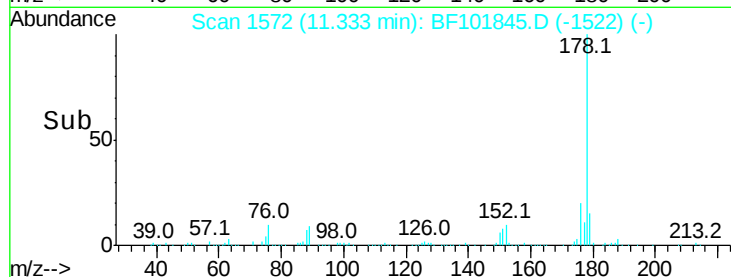
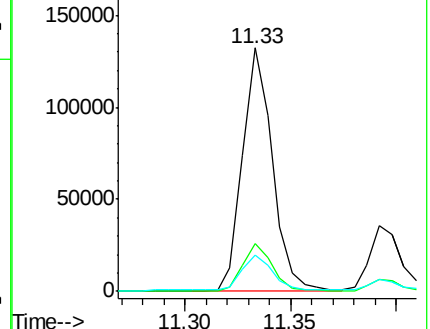
179 15.0 13.0 19.6



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



#74

Fluoranthene

Concen: 5.065 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

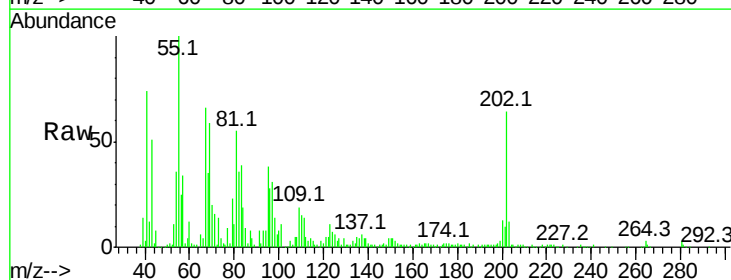
Tgt Ion:202 Resp: 94960

Ion Ratio Lower Upper

202 100

101 16.6 0.0 34.1

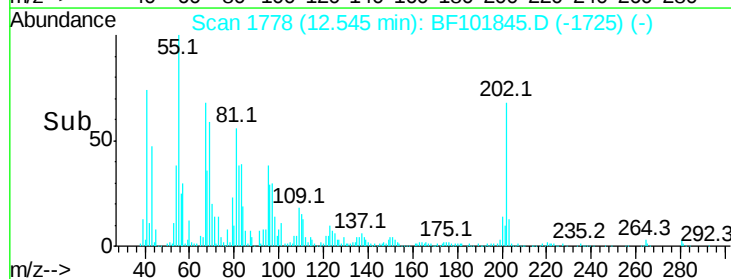
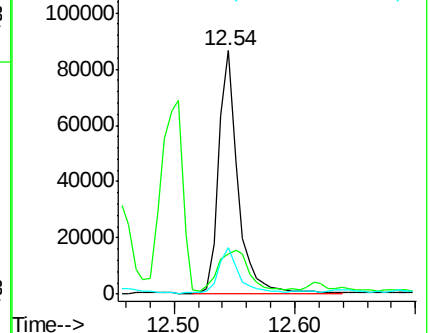
203 18.9 0.0 38.1

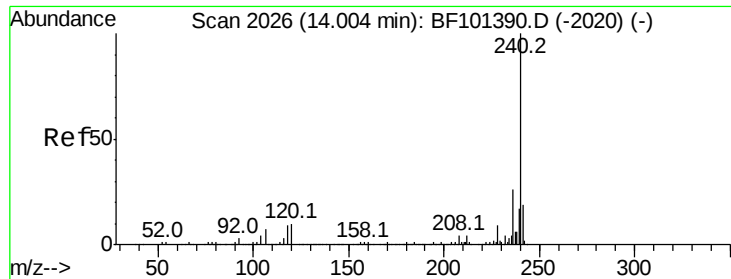


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

Instrument :

BNA_F

ClientSampleId :

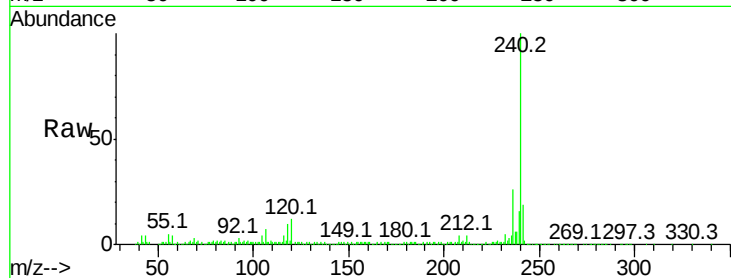
Tot Ion:240 Resp: 282889

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

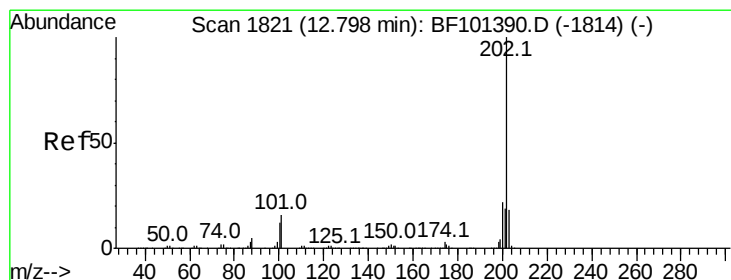
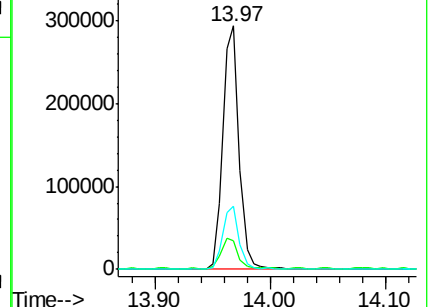
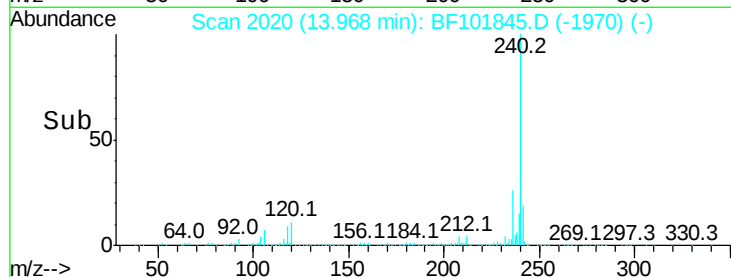
236 26.0 20.7 31.1



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: 4.418 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.02 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

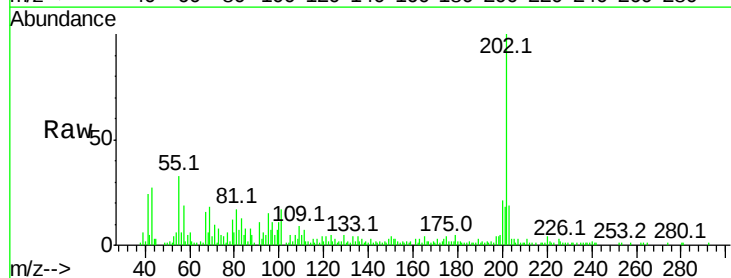
Tgt Ion:202 Resp: 93797

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

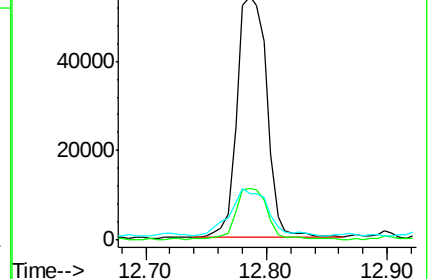
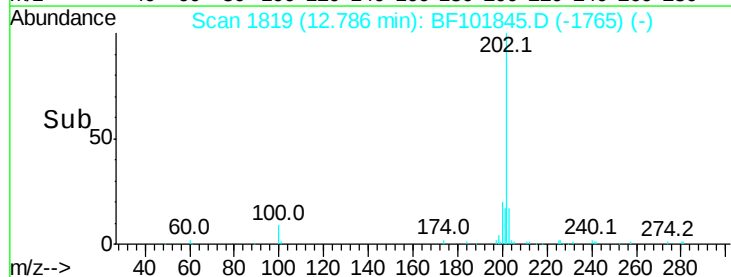
203 19.3 14.3 21.5

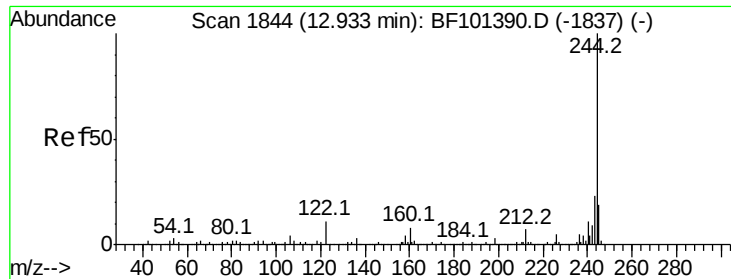


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 29.902 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

Instrument :

BNA_F

ClientSampleId :

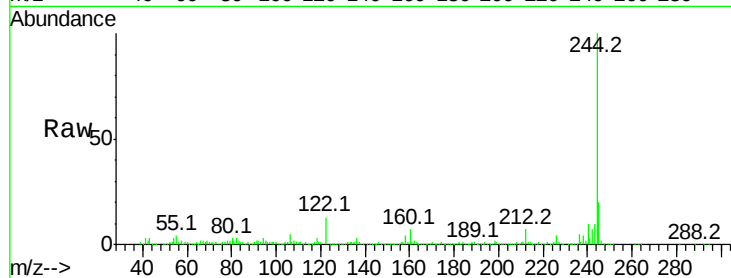
Tot Ion:244 Resp: 350885

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

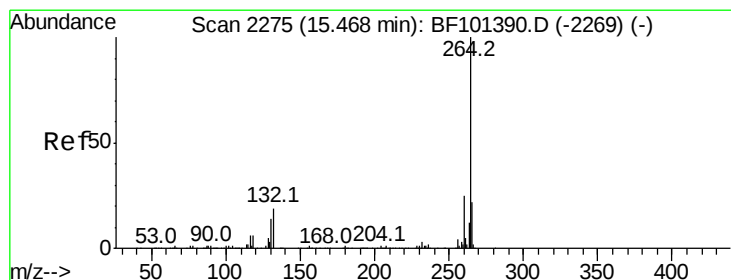
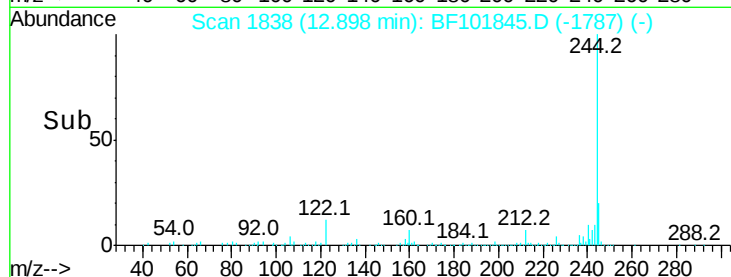
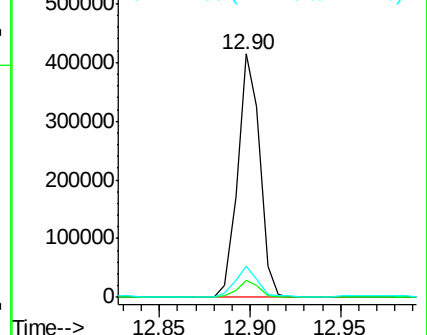
122 12.6 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

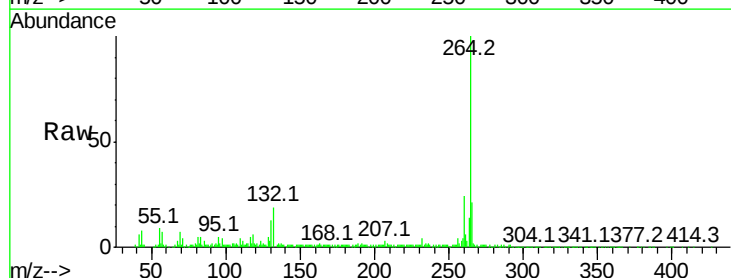
Tgt Ion:264 Resp: 281677

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

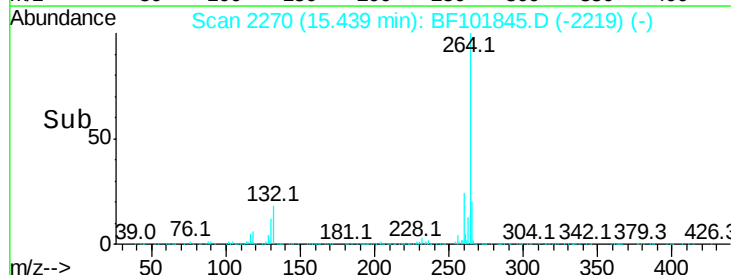
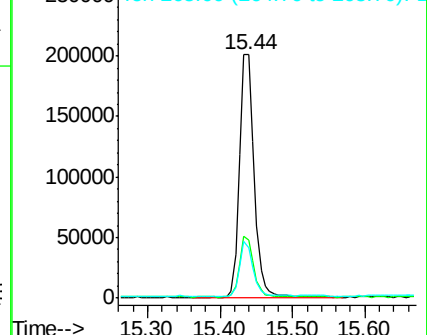
265 20.9 17.5 26.3

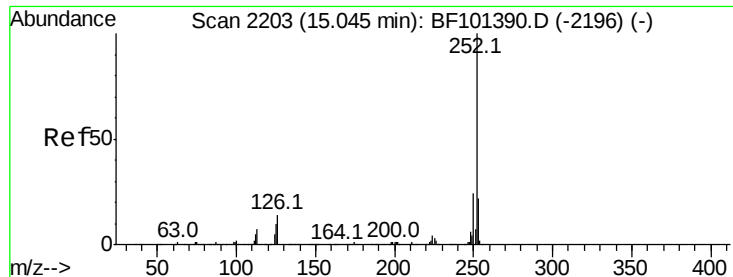


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.065 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

Instrument :

BNA_F

ClientSampleId :

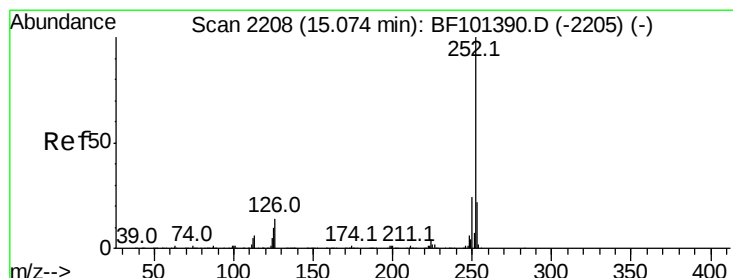
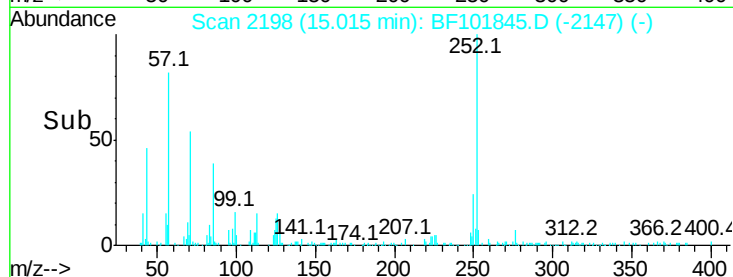
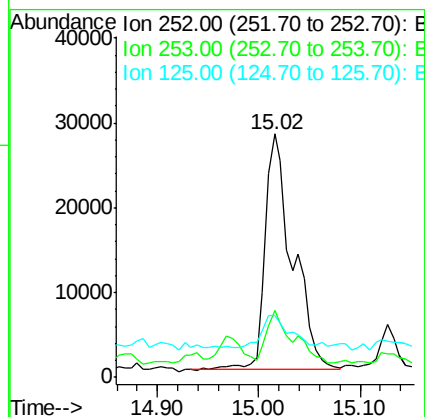
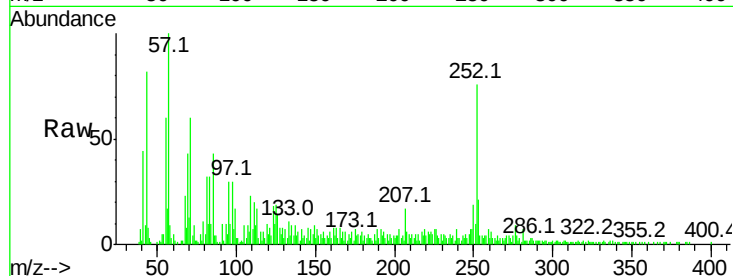
Tot Ion:252 Resp: 52627

Ion Ratio Lower Upper

252 100

253 27.3 17.0 25.6#

125 25.3 9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 3.153 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF101845.D

Acq: 2 Jan 2018 12:36

Tgt Ion:252 Resp: 52627

Ion Ratio Lower Upper

252 100

253 27.3 17.9 26.9#

125 25.3 10.2 15.2#

