

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107819.D
 Acq On : 30 Jul 2018 23:53
 Operator : JU/SJ
 Sample : J4164-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 01:06:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	188808	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	780779	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	326452	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	602298	20.00	ng	0.00
75) Chrysene-d12	14.15	240	542673	20.00	ng	0.00
86) Perylene-d12	15.68	264	509899	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1263481	113.73	ng	0.00
7) Phenol-d6	6.61	99	1542459	105.35	ng	0.00
23) Nitrobenzene-d5	7.52	82	1041141	76.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	411452	92.76	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1673763	71.45	ng	0.00
78) Terphenyl-d14	13.08	244	1428085	57.06	ng	0.00

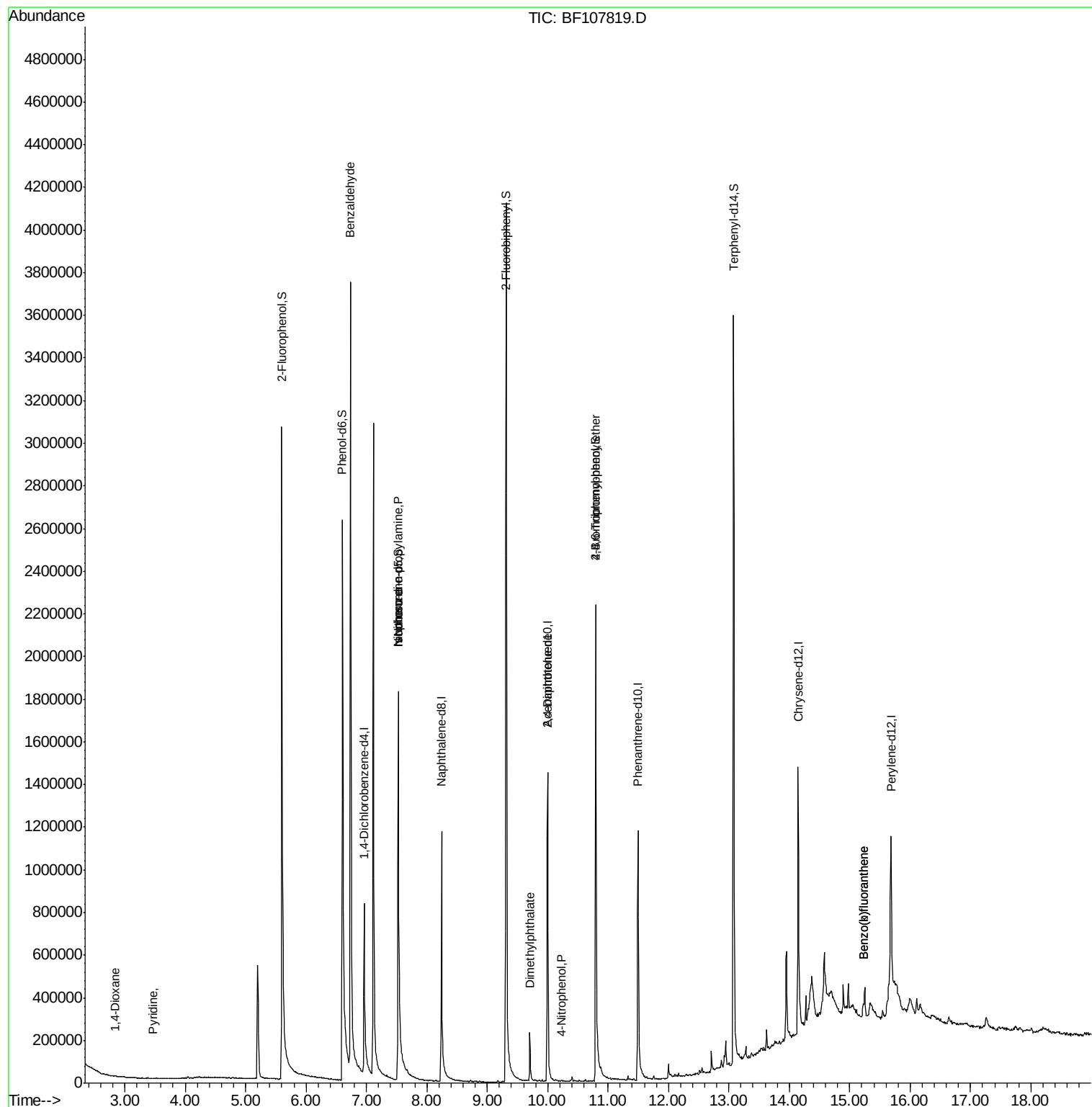
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.84	88	253	5.836	ng	# 27
3) Pyridine	3.47	79	129	6.263	ng	# 1
9) Benzaldehyde	6.74	77	27269	3.087	ng	87
19) n-Nitroso-di-n-propylamine	7.52	70	124867	13.444	ng	# 79
25) Isophorone	7.52	82	1059880	47.642	ng	# 64
49) Dimethylphthalate	9.71	163	115403	4.707	ng	99
55) 4-Nitrophenol	10.24	139	111	9.344	ng	# 9
56) 2,4-Dinitrotoluene	10.00	165	39894	5.697	ng	# 23
66) 4-Bromophenyl-phenylether	10.80	248	23925	3.408	ng	# 1
87) Benzo(b)fluoranthene	15.22	252	63662	2.531	ng	# 93
88) Benzo(k)fluoranthene	15.22	252	63662	2.062	ng	# 95

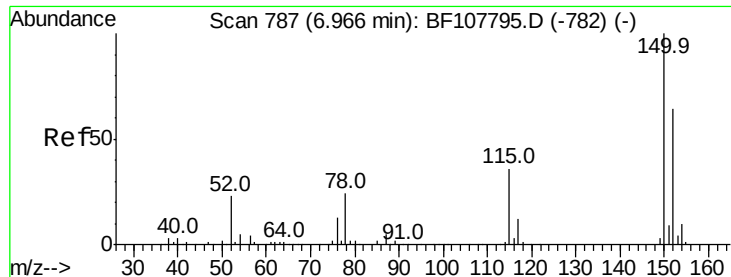
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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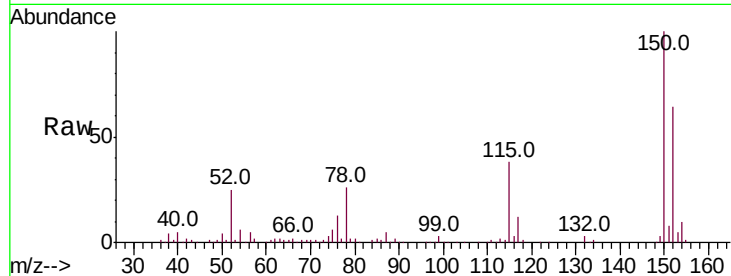


#1

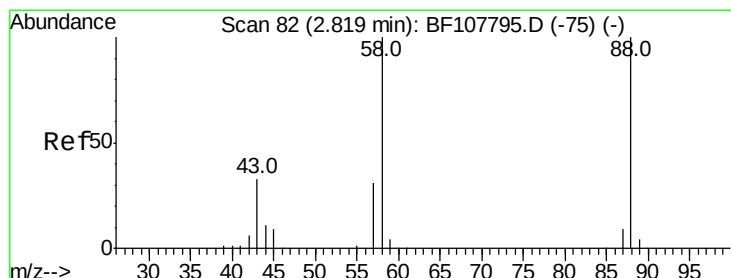
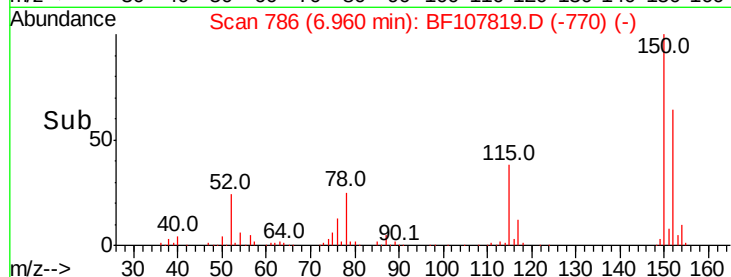
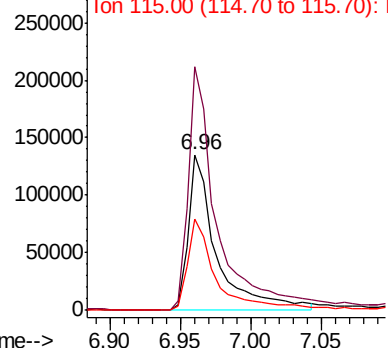
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 188808
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 58.7 50.1 75.1



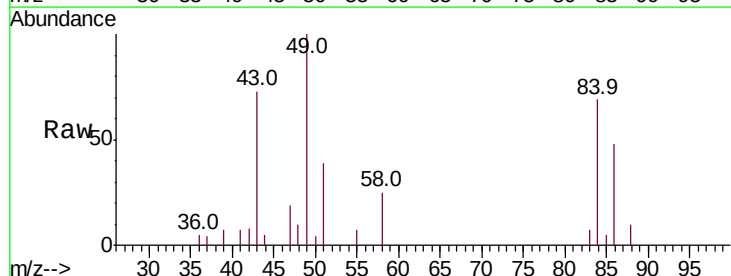
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



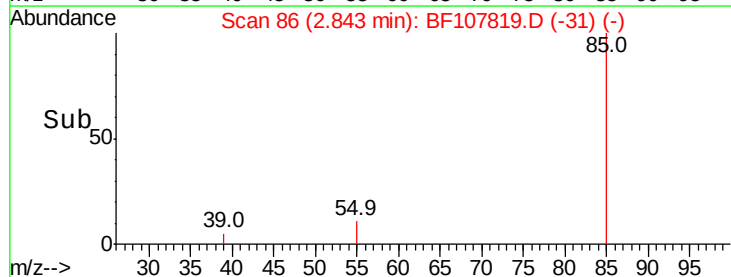
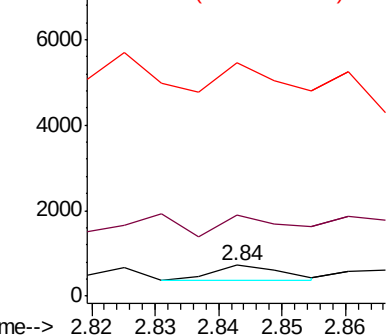
#2

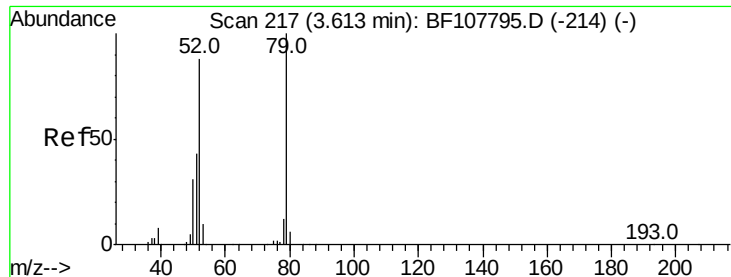
1,4-Dioxane
Concen: 5.836 ng
RT: 2.84 min Scan# 86
Delta R.T. 0.02 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

Tgt Ion: 88 Resp: 253
Ion Ratio Lower Upper
88 100
58 147.8 62.6 93.8#
43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 6.263 ng

RT: 3.47 min Scan# 193

Delta R.T. -0.14 min

Lab File: BF107819.D

Acq: 30 Jul 2018 23:53

Instrument :

BNA_F

ClientSampleId :

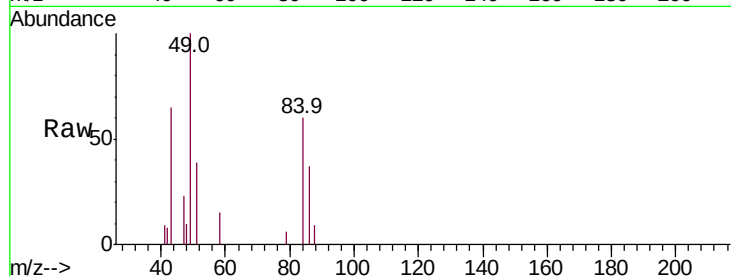
Tot Ion: 79 Resp: 129

Ion Ratio Lower Upper

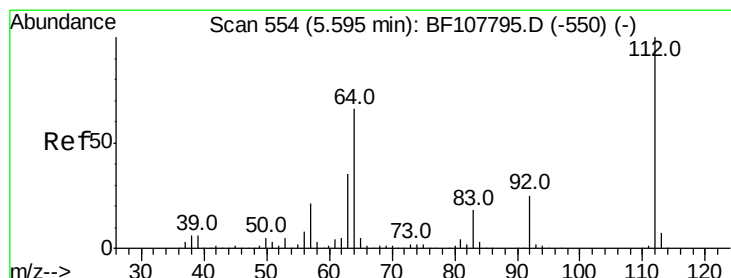
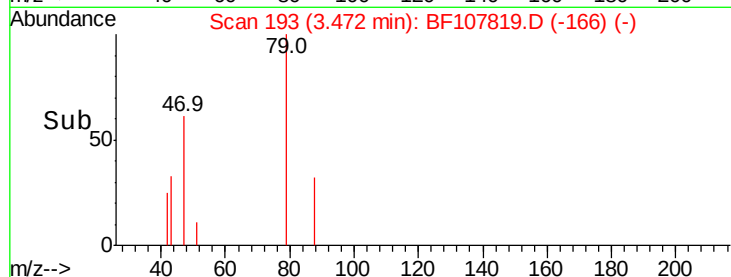
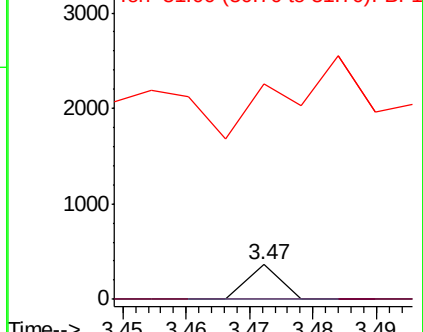
79 100

52 0.0 59.8 89.6#

51 618.6 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#5

2-Fluorophenol

Concen: 113.732 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107819.D

Acq: 30 Jul 2018 23:53

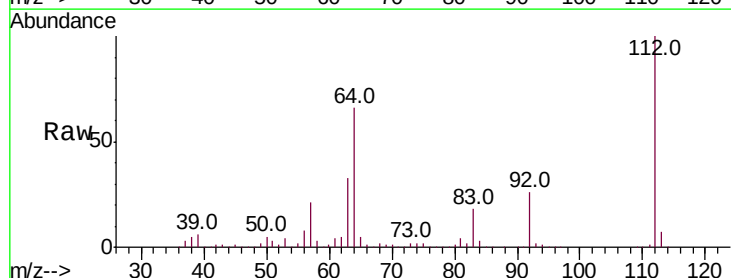
Tgt Ion: 112 Resp: 1263481

Ion Ratio Lower Upper

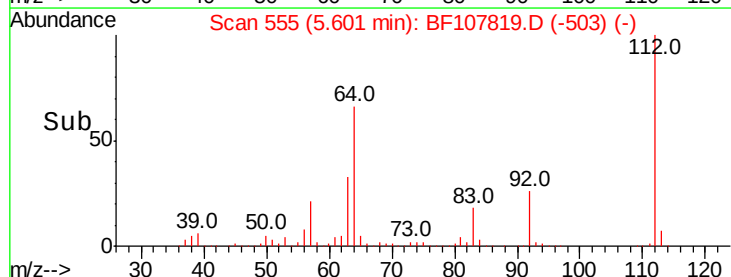
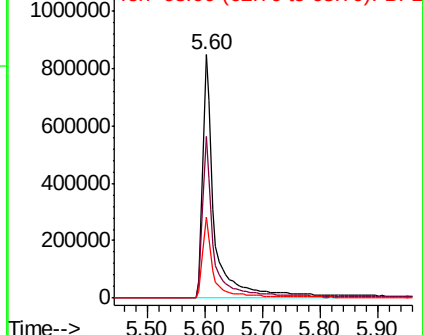
112 100

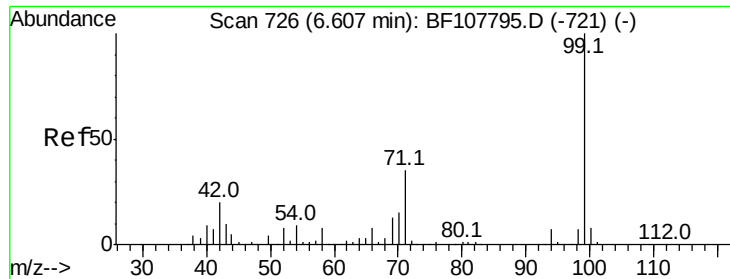
64 66.5 47.9 71.9

63 33.5 23.7 35.5



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





#7

Phenol-d6

Concen: 105.349 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107819.D

Acq: 30 Jul 2018 23:53

Instrument :

BNA_F

ClientSampleId :

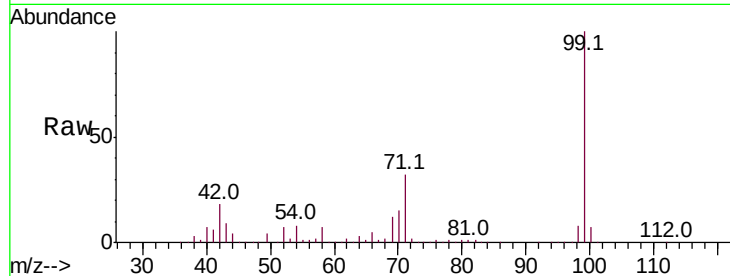
Tot Ion: 99 Resp: 1542459

Ion Ratio Lower Upper

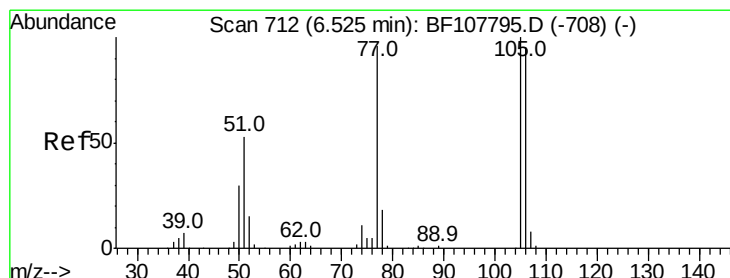
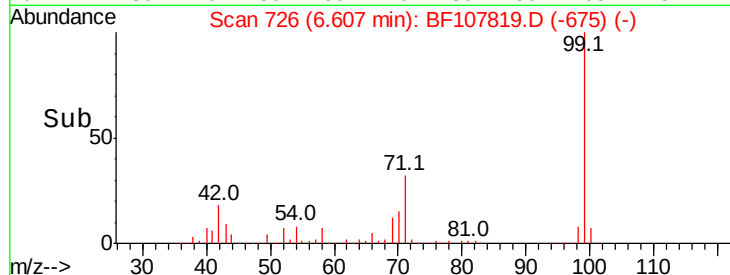
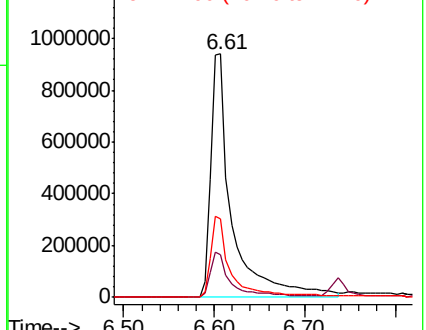
99 100

42 17.7 14.5 21.7

71 32.2 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: 3.087 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF107819.D

Acq: 30 Jul 2018 23:53

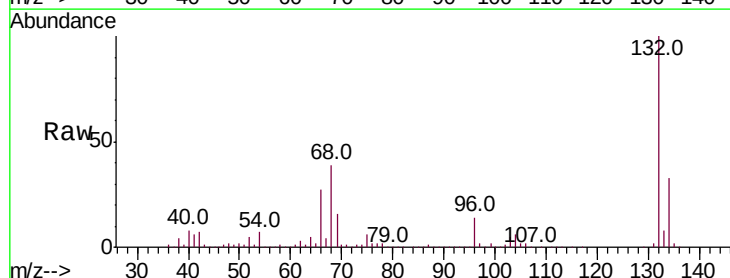
Tgt Ion: 77 Resp: 27269

Ion Ratio Lower Upper

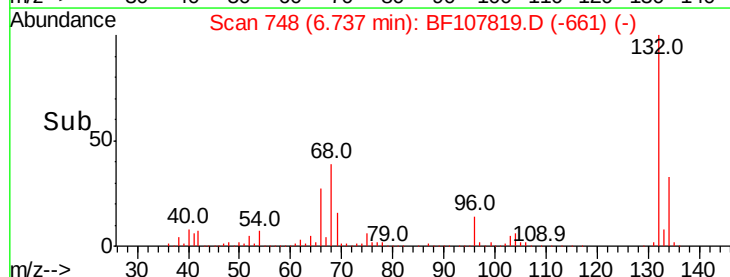
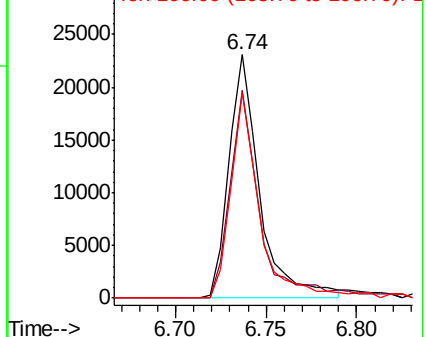
77 100

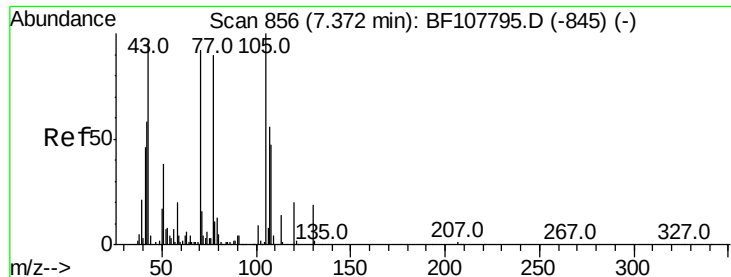
105 85.1 81.1 121.1

106 84.2 74.5 114.5



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

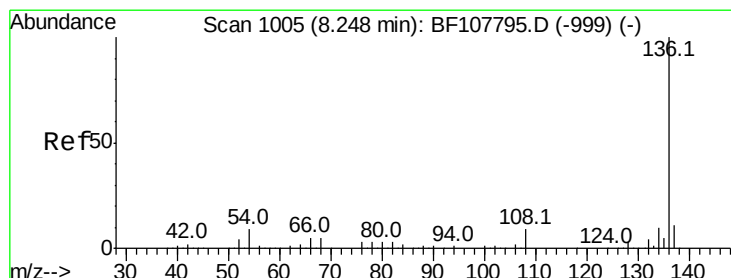
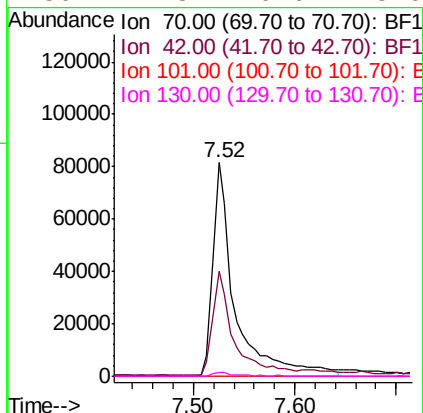
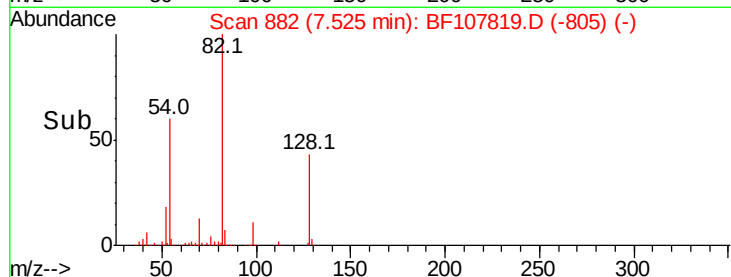
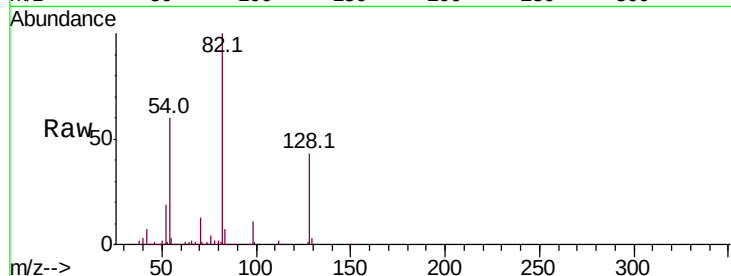




#19
n-Nitroso-di-n-propylamine
Concen: 13.444 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.15 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

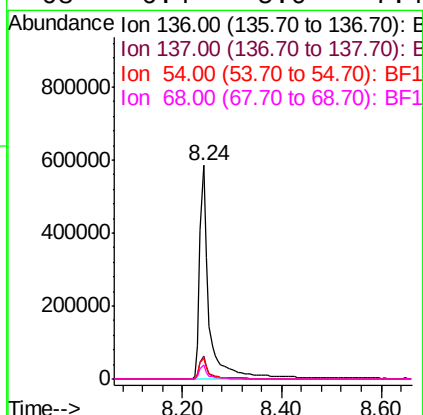
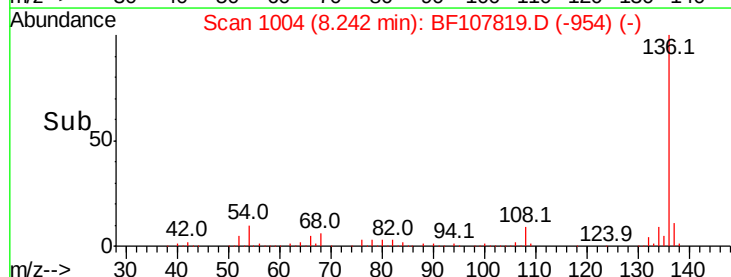
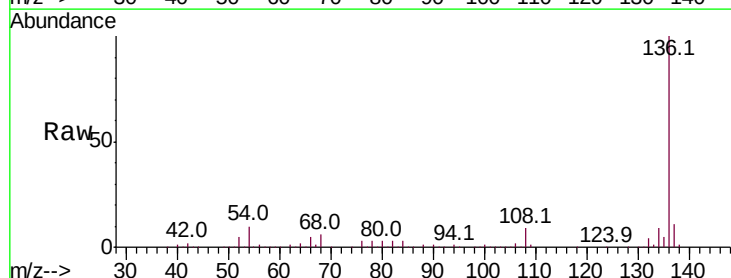
Instrument :
BNA_F
ClientSampleId :

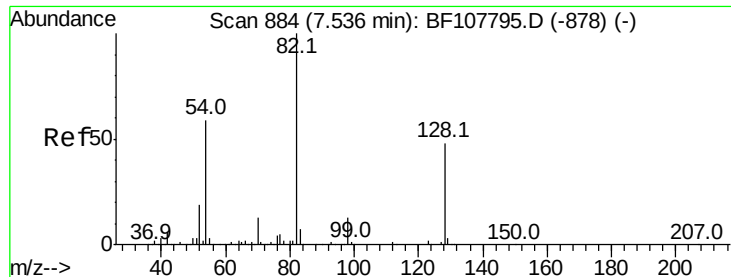
Tot Ion: 70 Resp: 124867
Ion Ratio Lower Upper
70 100
42 49.1 47.5 71.3
101 0.0 7.4 11.2#
130 1.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

Tgt Ion:136 Resp: 780779
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.9 6.6 9.8#
68 6.4 5.0 7.4

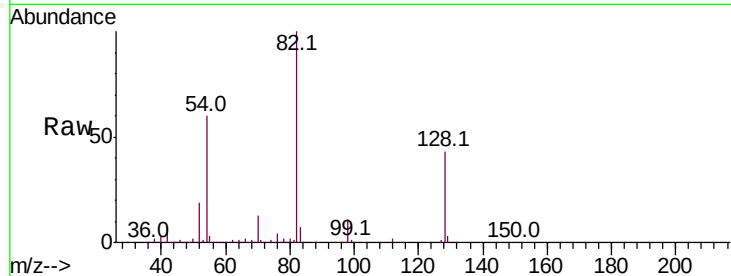




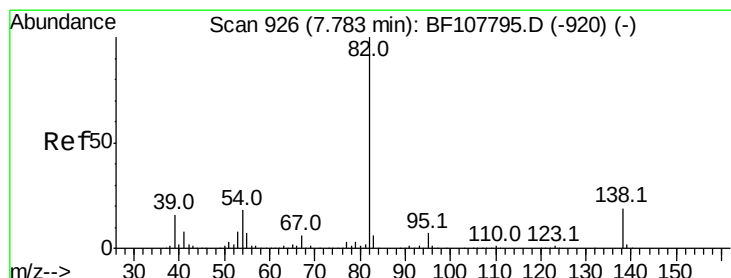
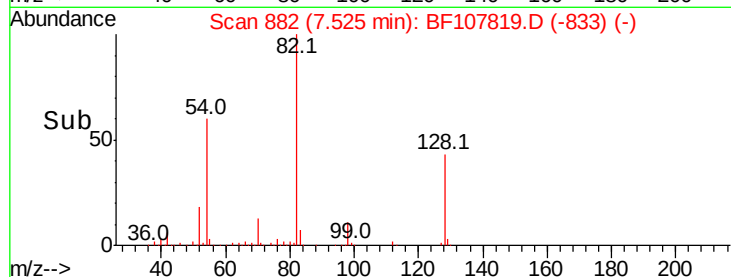
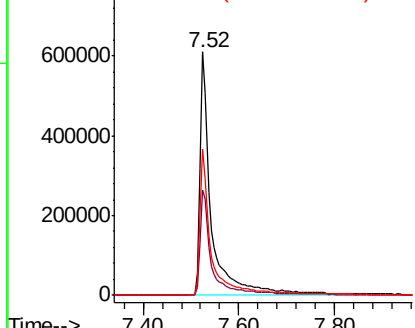
#23
Nitrobenzene-d5
Concen: 76.821 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1041141
Ion Ratio Lower Upper
82 100
128 43.5 36.1 54.1
54 60.2 41.4 62.2

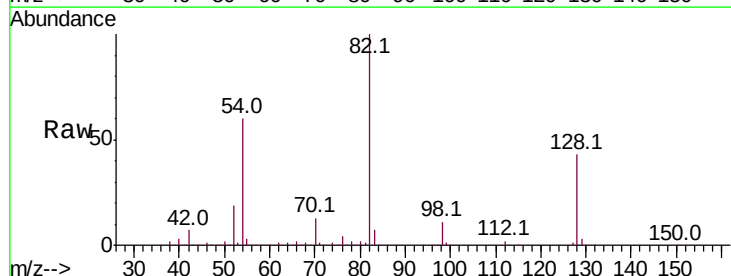


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

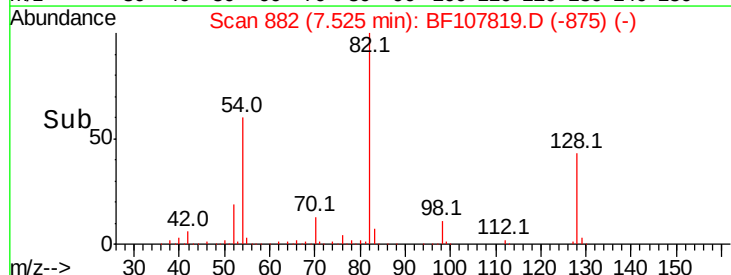
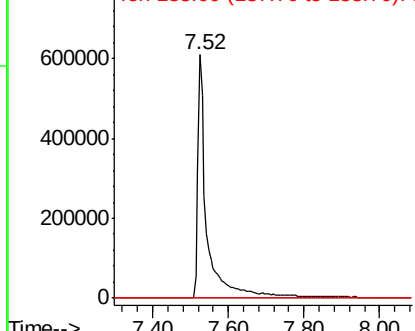


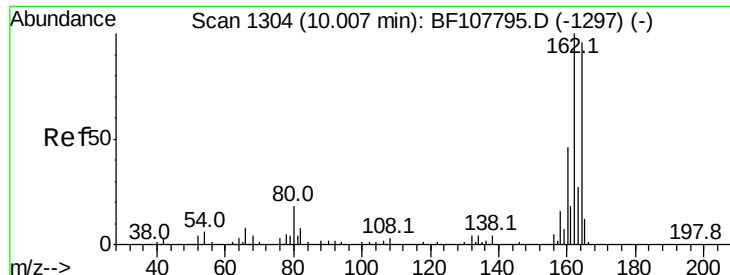
#25
Isophorone
Concen: 47.642 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

Tgt Ion: 82 Resp: 1059880
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: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107819.D

Acq: 30 Jul 2018 23:53

Instrument :

BNA_F

ClientSampleId :

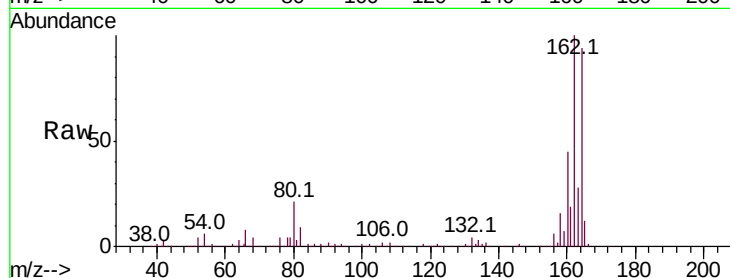
Tot Ion:164 Resp: 326452

Ion Ratio Lower Upper

164 100

162 105.9 86.1 129.1

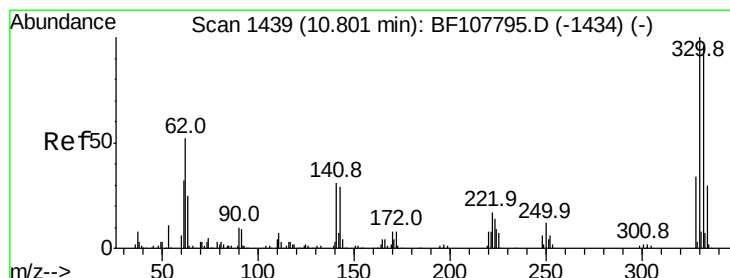
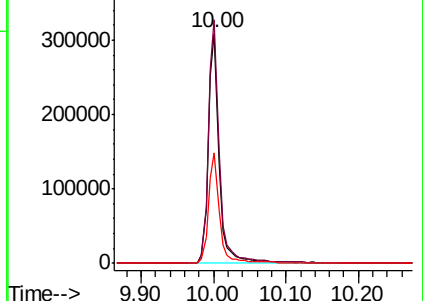
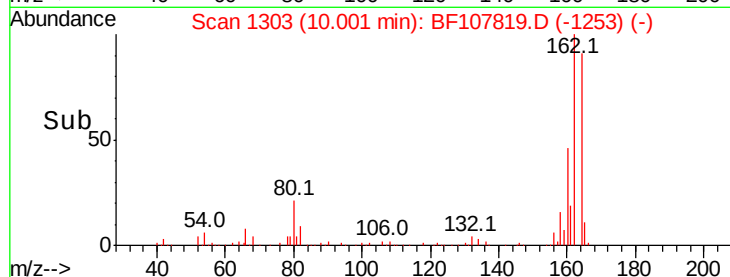
160 48.1 38.3 57.5



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: 92.757 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107819.D

Acq: 30 Jul 2018 23:53

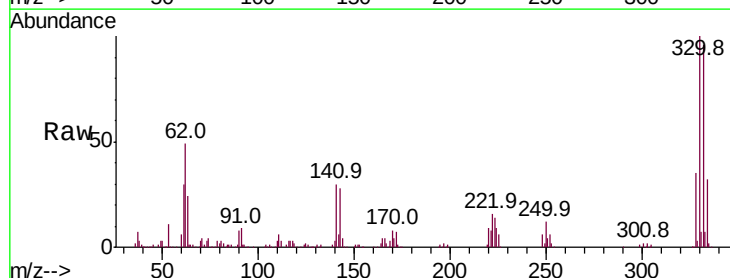
Tgt Ion:330 Resp: 411452

Ion Ratio Lower Upper

330 100

332 95.0 77.0 115.6

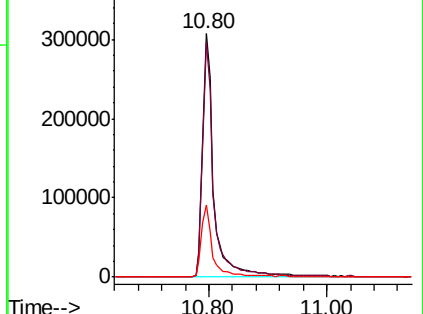
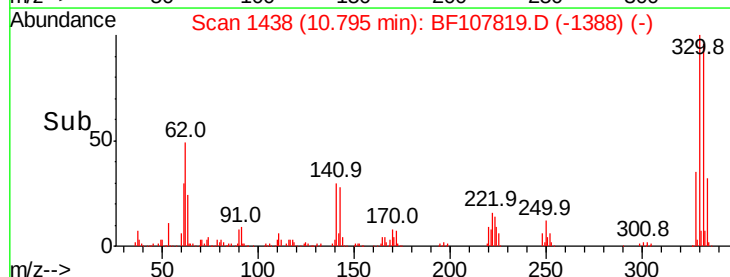
141 28.9 29.9 44.9#

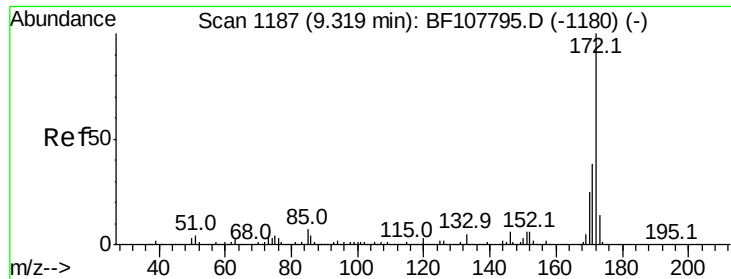


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

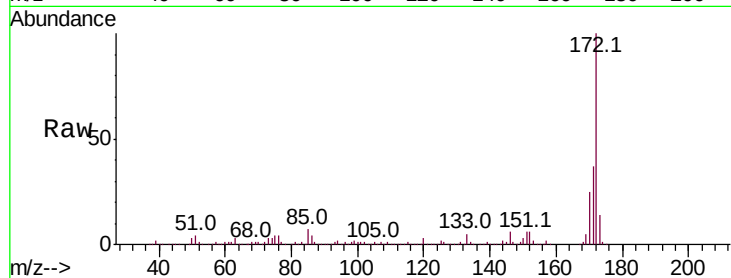




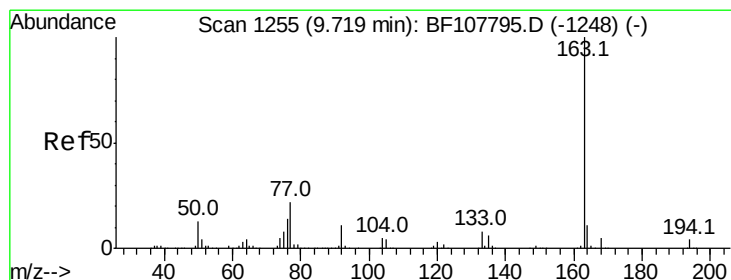
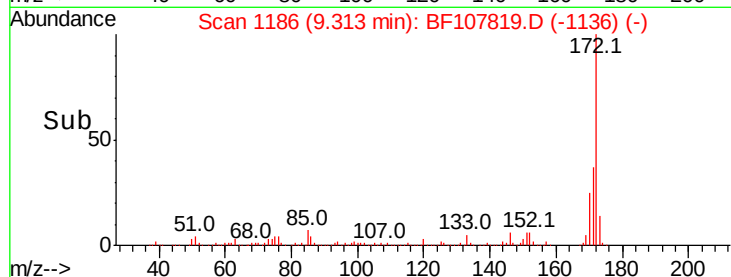
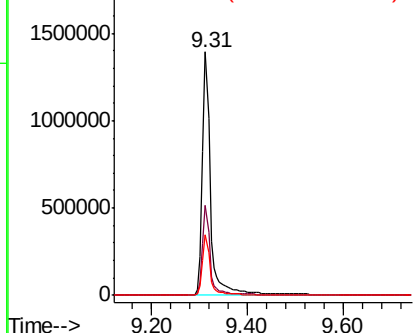
#44
2-Fluorobiphenyl
Concen: 71.446 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1673763
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.7 19.6 29.4

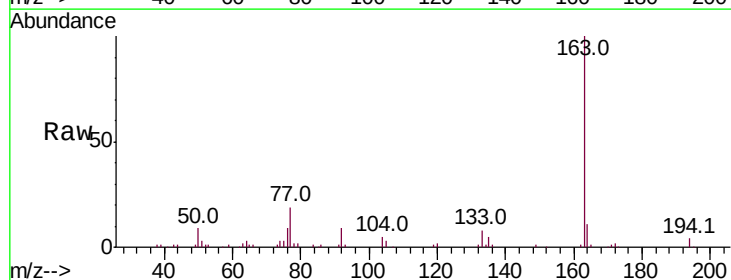


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

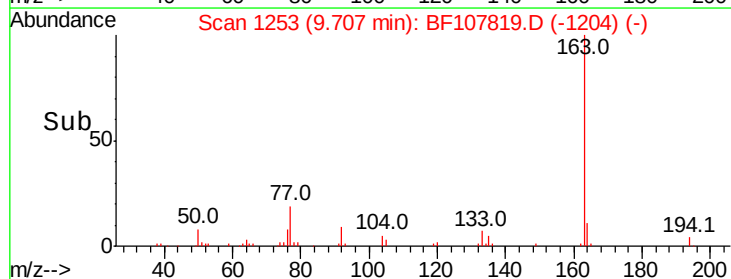
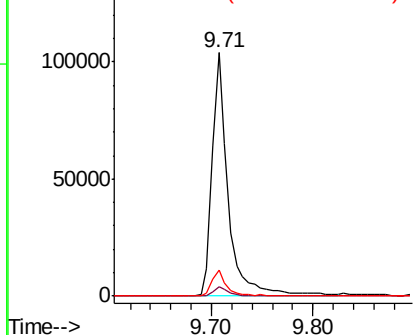


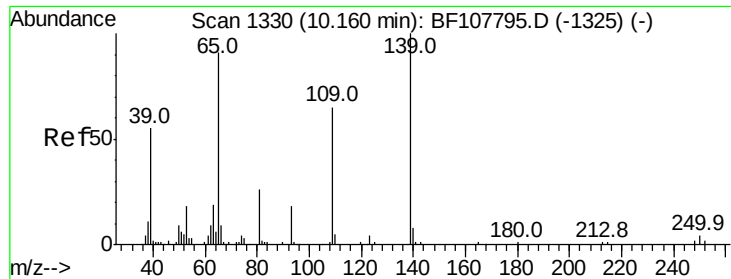
#49
Dimethylphthalate
Concen: 4.707 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

Tgt Ion:163 Resp: 115403
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.5 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





#55

4-Nitrophenol

Concen: 9.344 ng

RT: 10.24 min Scan# 1343

Delta R.T. 0.08 min

Lab File: BF107819.D

Acq: 30 Jul 2018 23:53

Instrument :

BNA_F

ClientSampled :

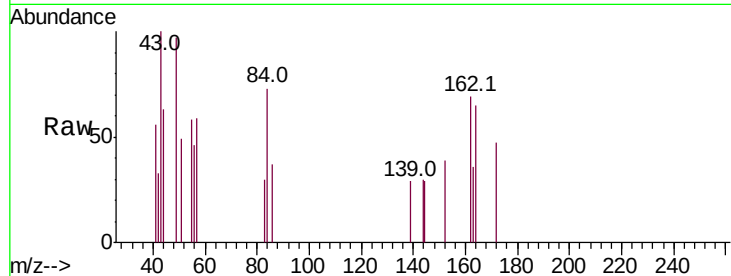
Tot Ion:139 Resp: 111

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 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

10.24

300

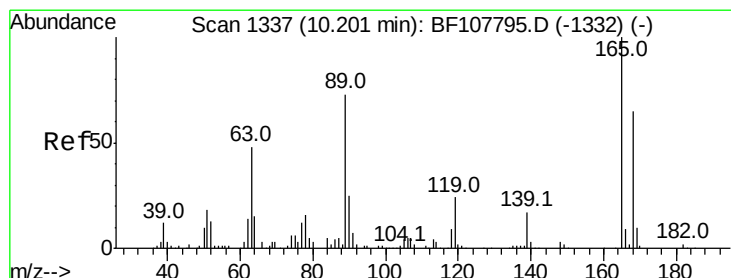
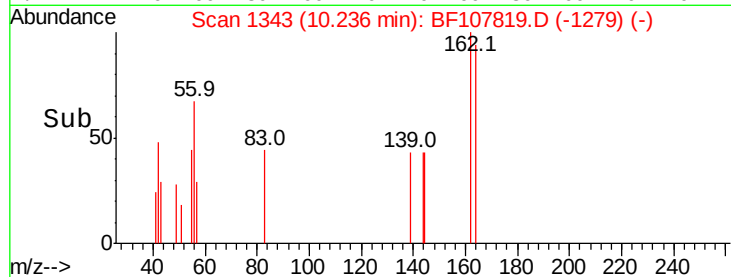
200

100

0

10.22 10.24

Time-->



#56

2,4-Dinitrotoluene

Concen: 5.697 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF107819.D

Acq: 30 Jul 2018 23:53

Tgt Ion:165 Resp: 39894

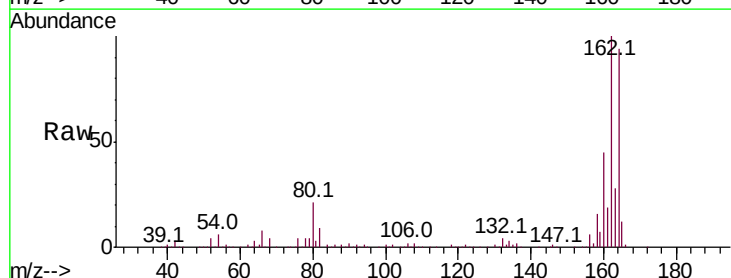
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E

60000 Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

10.00

40000

30000

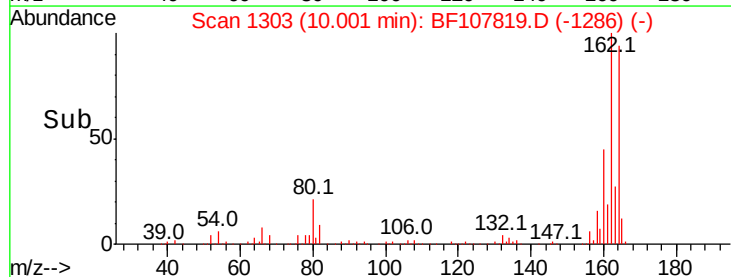
20000

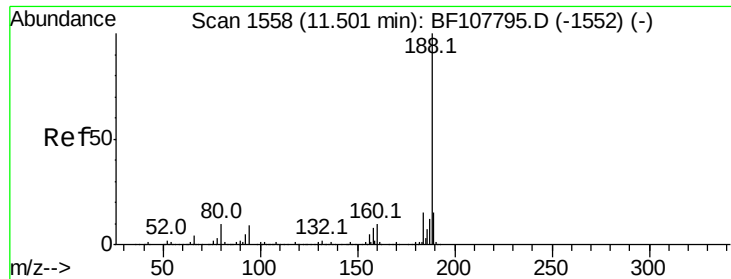
10000

0

9.95 10.00 10.05

Time-->

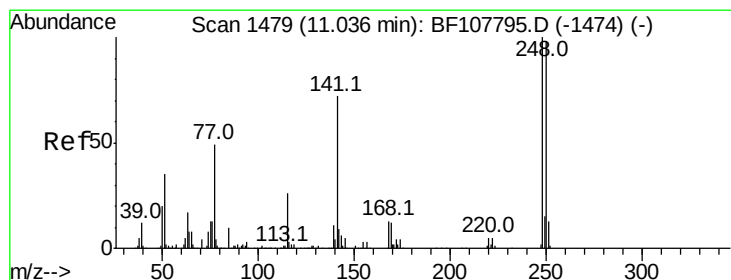
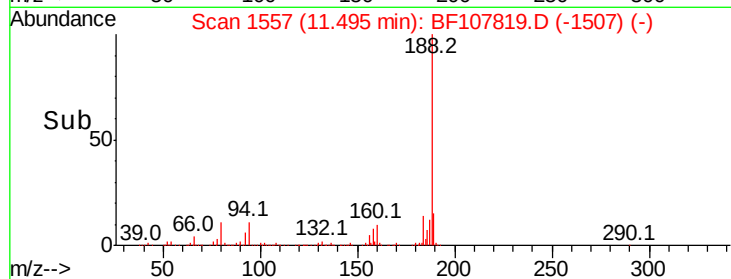
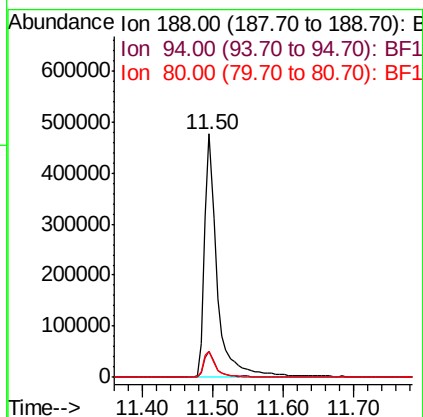
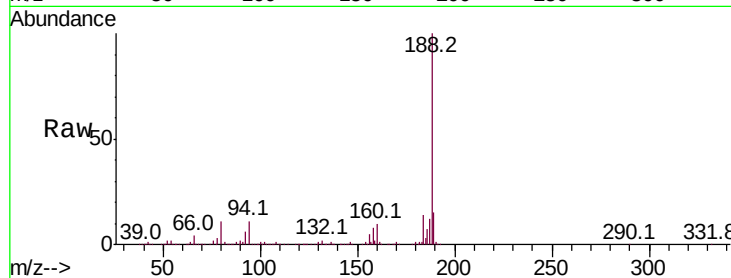




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

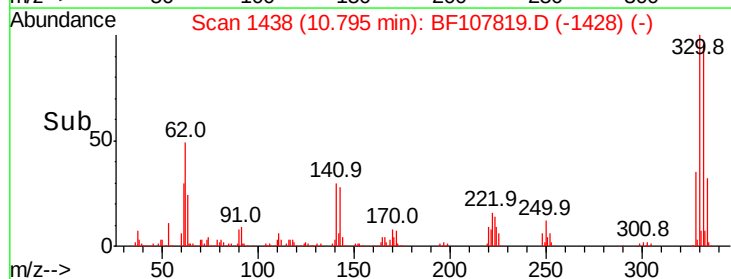
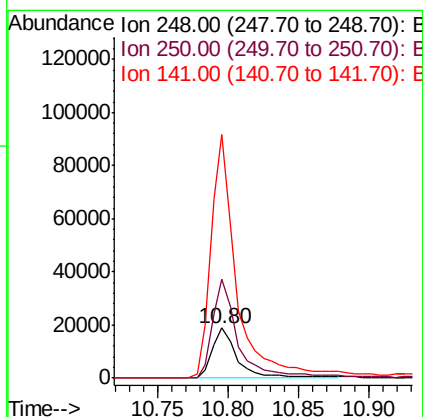
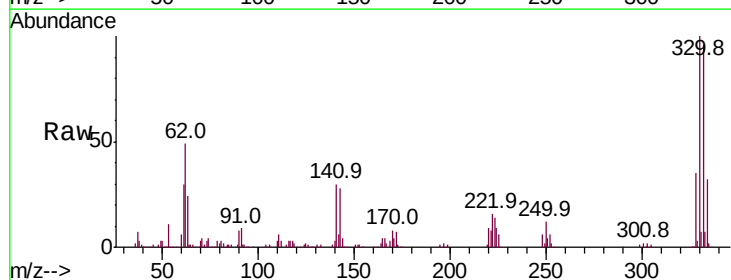
Instrument :
BNA_F
ClientSampleId :

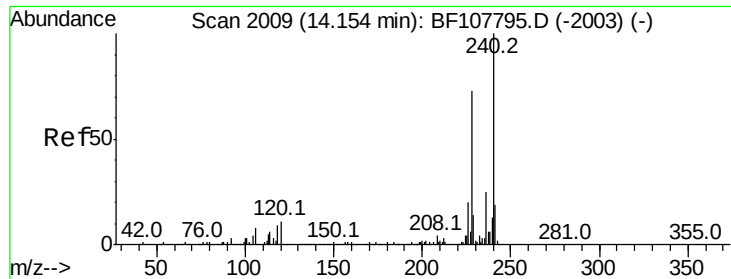
Tot Ion:188 Resp: 602298
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 10.8 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.408 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

Tgt Ion:248 Resp: 23925
Ion Ratio Lower Upper
248 100
250 198.9 76.9 115.3#
141 488.1 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107819.D

Acq: 30 Jul 2018 23:53

Instrument :

BNA_F

ClientSampleId :

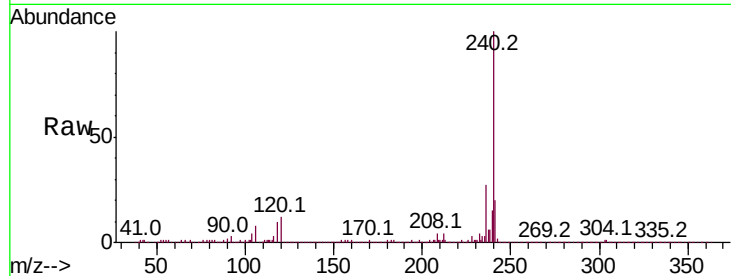
Tot Ion:240 Resp: 542673

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

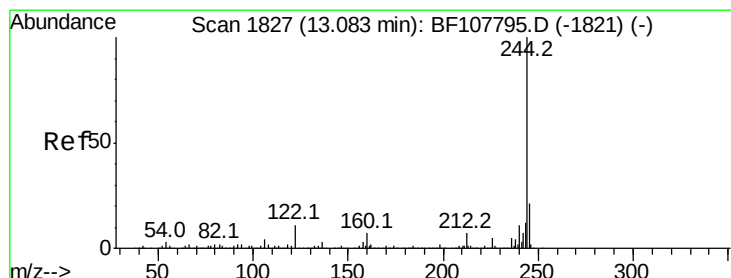
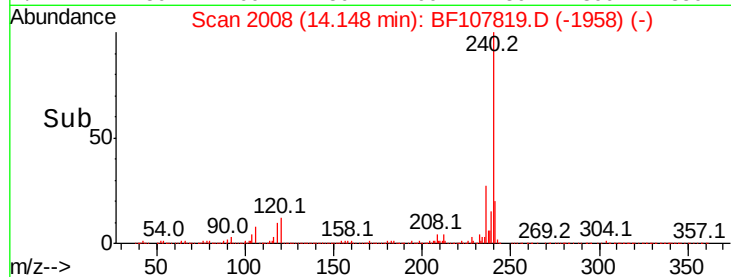
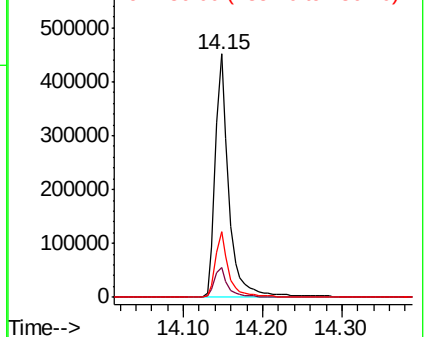
236 26.8 20.7 31.1



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



#78

Terphenyl-d14

Concen: 57.064 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107819.D

Acq: 30 Jul 2018 23:53

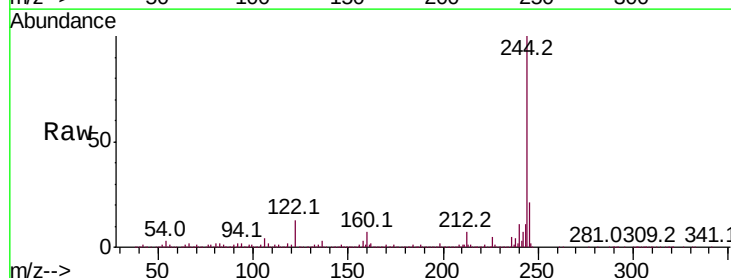
Tgt Ion:244 Resp: 1428085

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

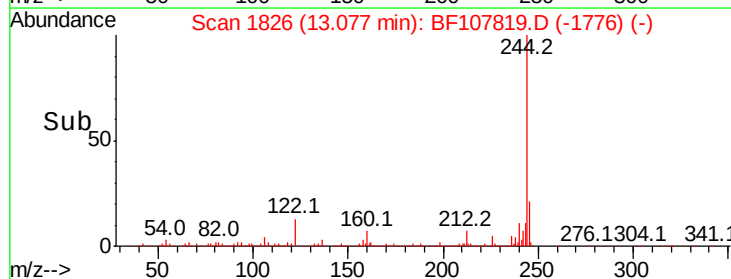
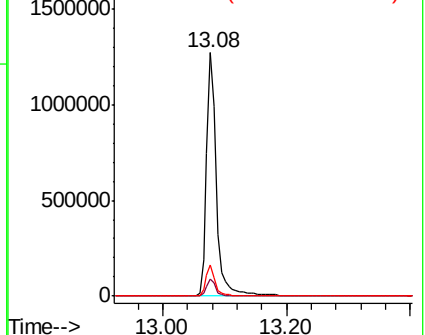
122 12.6 11.0 16.4

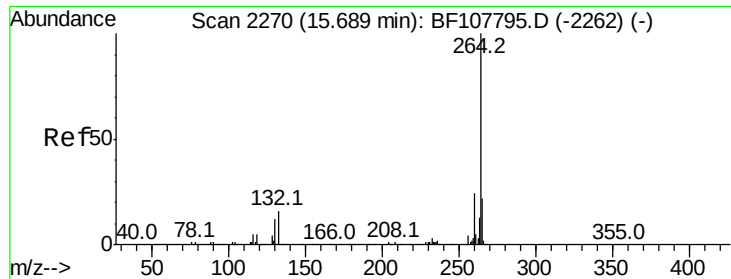


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

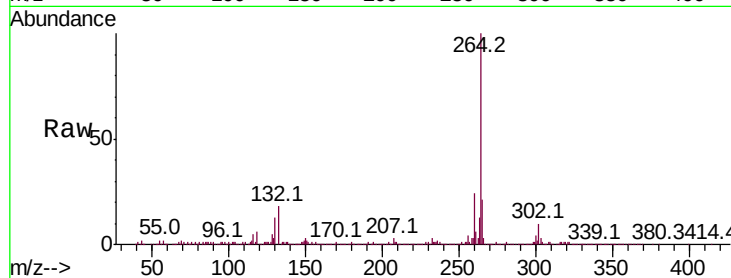




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	17.5	26.3

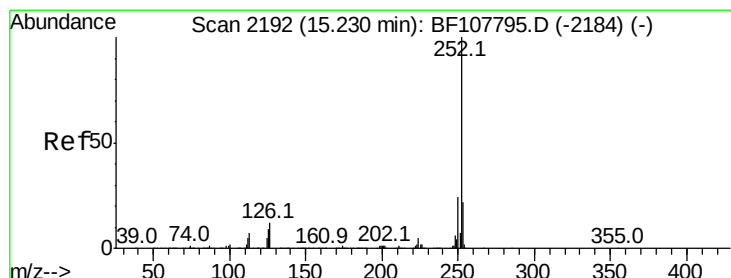
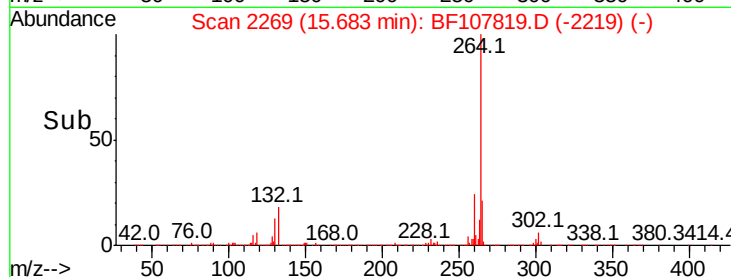
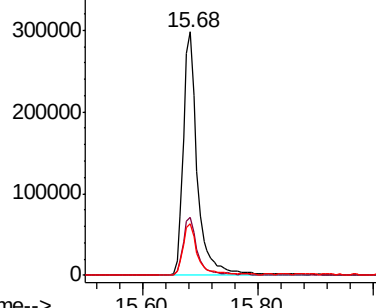


Abundance

Ion 264.00 (263.70 to 264.70): E

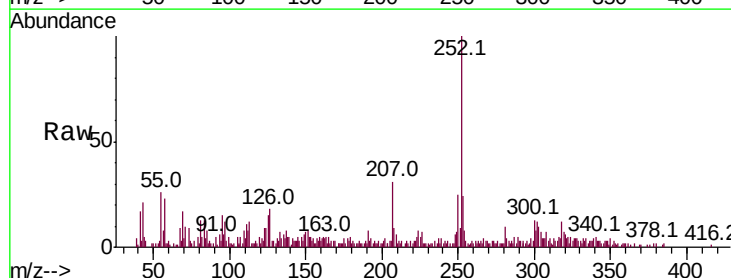
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 2.531 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF107819.D
Acq: 30 Jul 2018 23:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	15.4	9.0	13.6

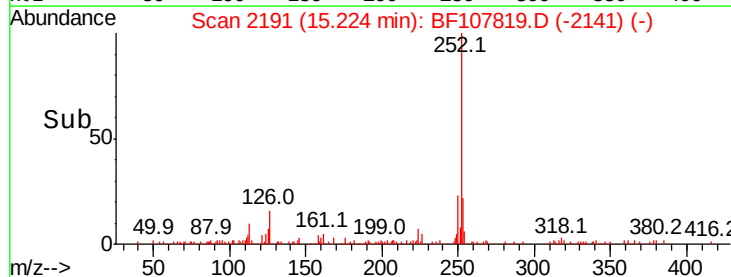
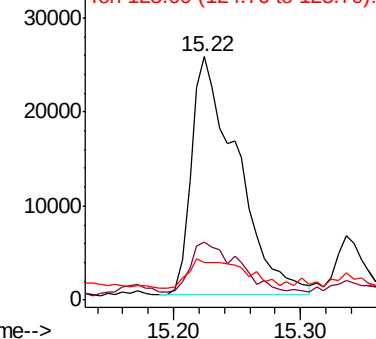


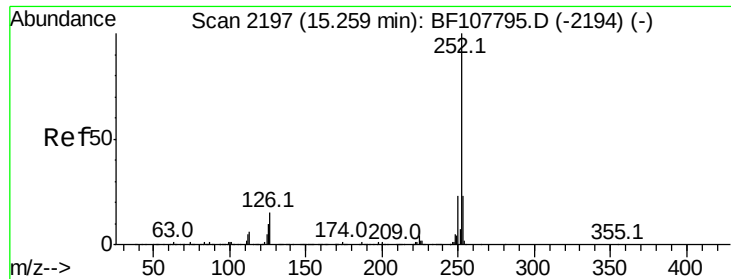
Abundance

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

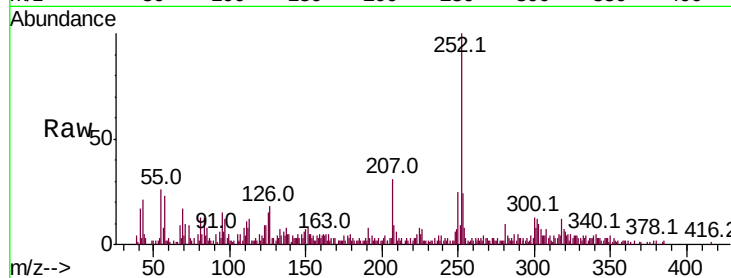




#88
 Benzo(k)fluoranthene
 Concen: 2.062 ng
 RT: 15.22 min Scan# 2191
 Delta R.T. -0.04 min
 Lab File: BF107819.D
 Acq: 30 Jul 2018 23:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	15.4	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

