

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
 Data File : BF107899.D
 Acq On : 1 Aug 2018 19:50
 Operator : JU/SJ
 Sample : J4256-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 00:59:52 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	6.97	152	142058	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	584524	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	236477	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	454350	20.00	ng	0.00
75) Chrysene-d12	14.15	240	354347	20.00	ng	0.00
86) Perylene-d12	15.69	264	376825	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	606345	72.54	ng	0.00
7) Phenol-d6	6.60	99	535162	48.58	ng	0.00
23) Nitrobenzene-d5	7.53	82	971556	95.76	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	436419	135.82	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1779805	104.88	ng	0.00
78) Terphenyl-d14	13.08	244	1378560	84.36	ng	0.00

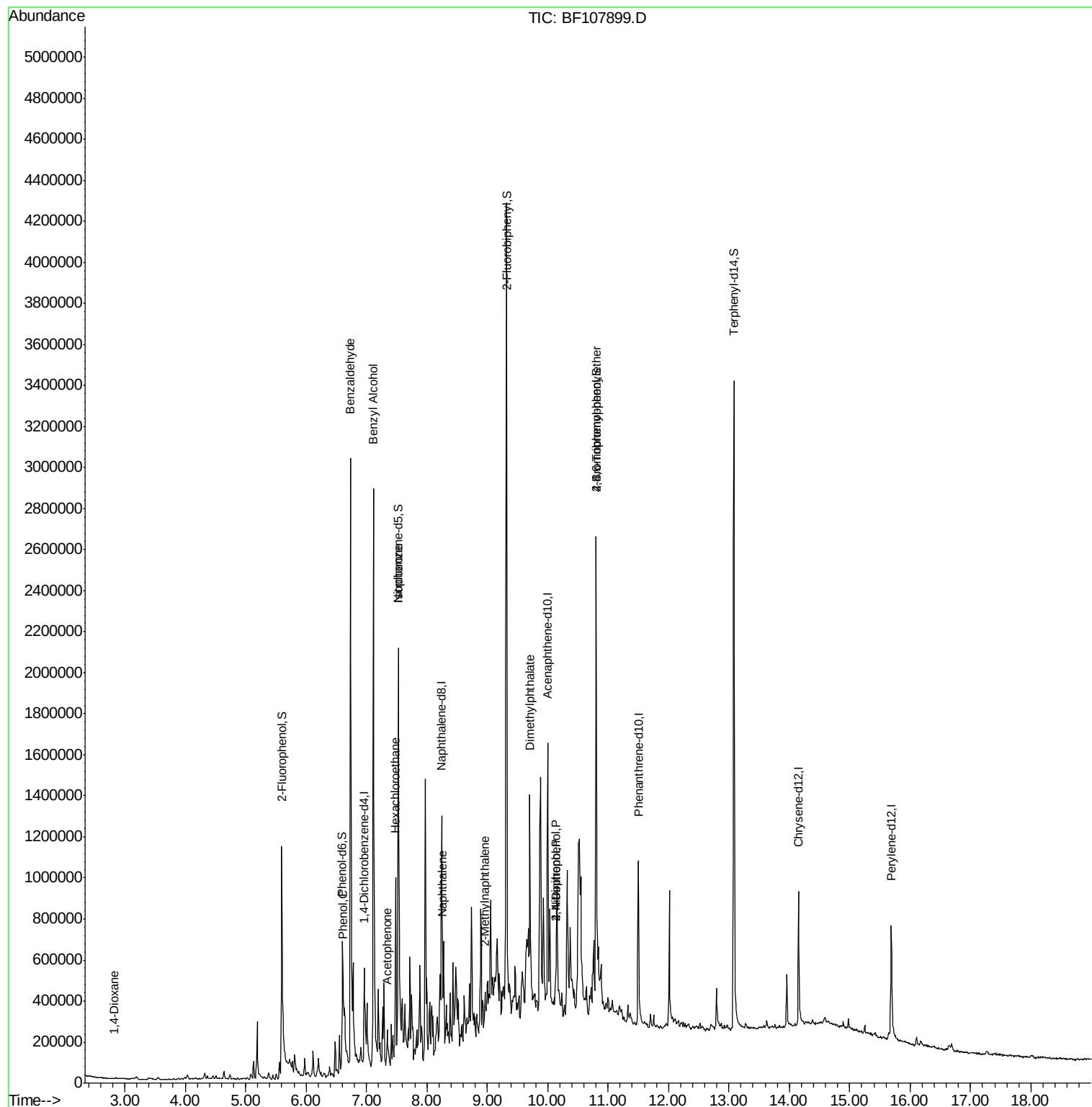
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.81	88	583	5.924	ng	# 5
9) Benzaldehyde	6.74	77	19831	2.984	ng	# 84
10) Phenol	6.62	94	38800	2.953	ng	# 51
15) Benzyl Alcohol	7.11	79	15365	2.244	ng	# 41
18) Hexachloroethane	7.48	117	46517	10.557	ng	# 1
22) Acetophenone	7.34	105	35805	2.546	ng	# 63
25) Isophorone	7.53	82	971537	58.334	ng	# 64
31) Naphthalene	8.27	128	67518	2.485	ng	# 90
37) 2-Methylnaphthalene	8.95	142	84435	4.947	ng	# 99
49) Dimethylphthalate	9.71	163	332033	18.696	ng	# 85
53) 2,4-Dinitrophenol	10.13	184	245	8.548	ng	# 1
55) 4-Nitrophenol	10.13	139	3406	10.627	ng	# 11
66) 4-Bromophenyl-phenylether	10.80	248	25077	4.735	ng	# 1

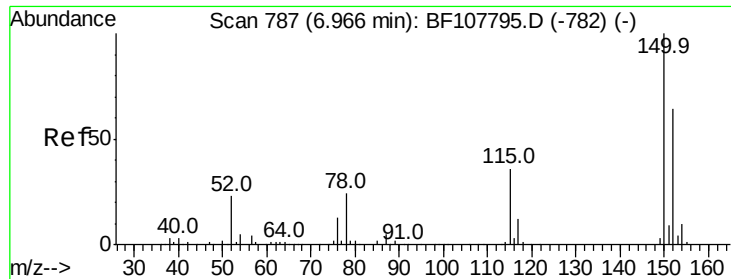
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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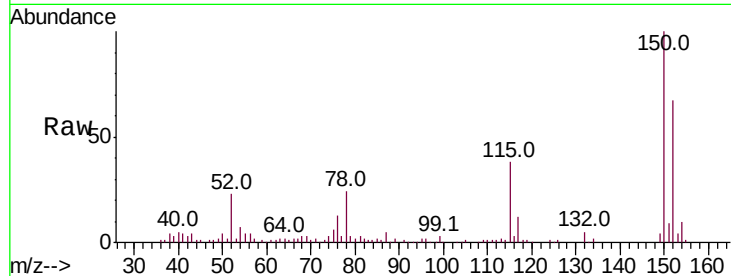


#1

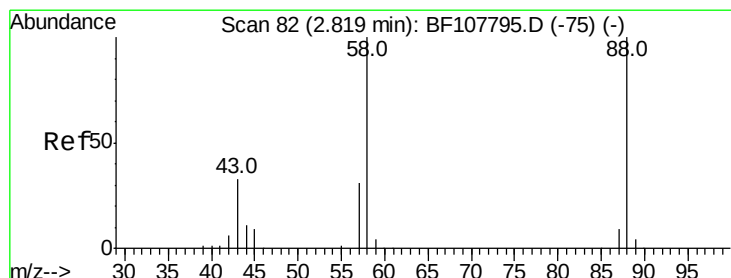
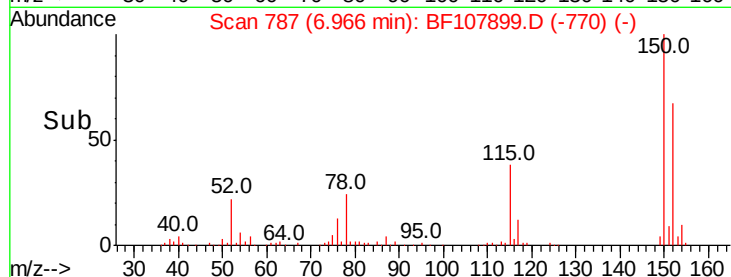
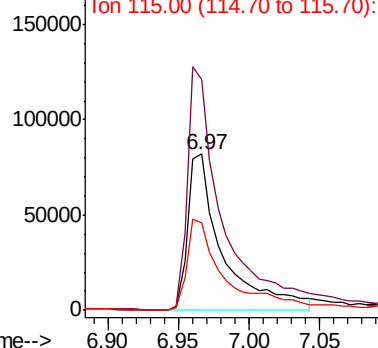
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107899.D
Acq: 1 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142058
Ion Ratio Lower Upper
152 100
150 148.4 124.6 186.8
115 56.0 50.1 75.1



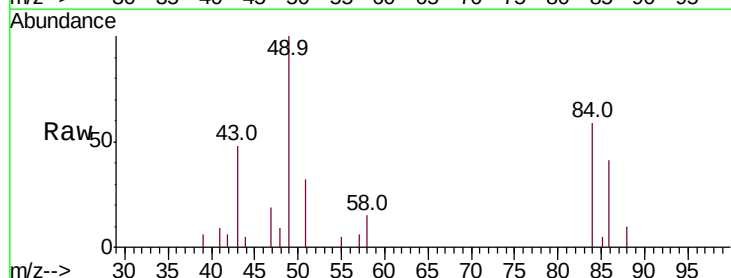
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



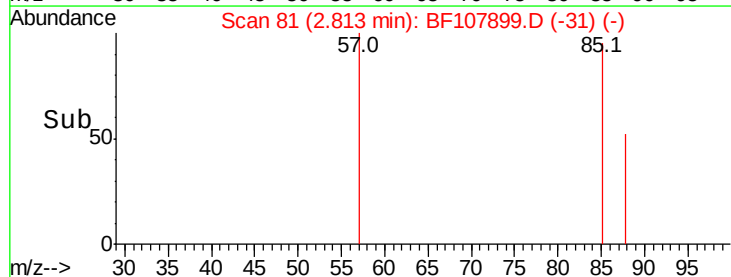
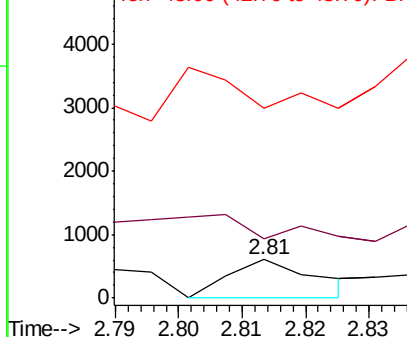
#2

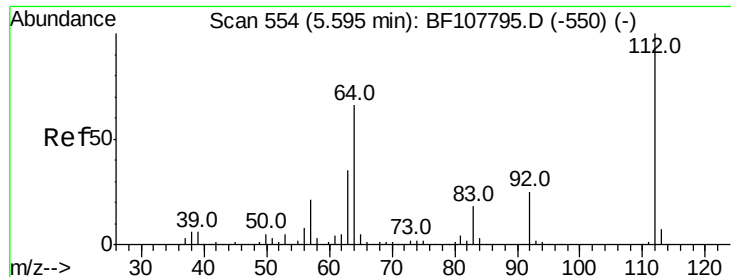
1,4-Dioxane
Concen: 5.924 ng
RT: 2.81 min Scan# 81
Delta R.T. -0.01 min
Lab File: BF107899.D
Acq: 1 Aug 2018 19:50

Tgt Ion: 88 Resp: 583
Ion Ratio Lower Upper
88 100
58 122.6 62.6 93.8#
43 143.6 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





#5

2-Fluorophenol

Concen: 72.542 ng

RT: 5.60 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF107899.D

Acq: 1 Aug 2018 19:50

Instrument :

BNA_F

ClientSampleId :

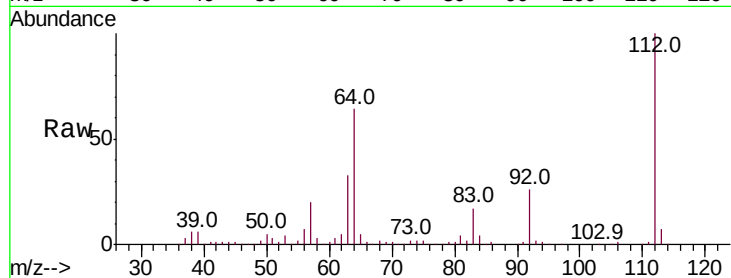
Tot Ion:112 Resp: 606345

Ion Ratio Lower Upper

112 100

64 64.1 47.9 71.9

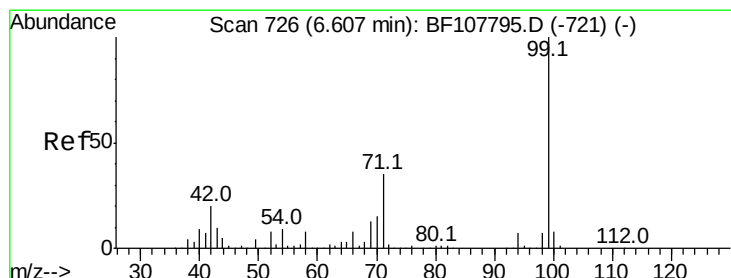
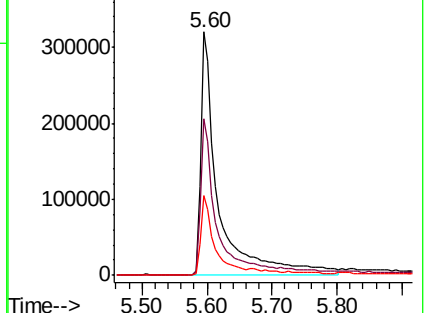
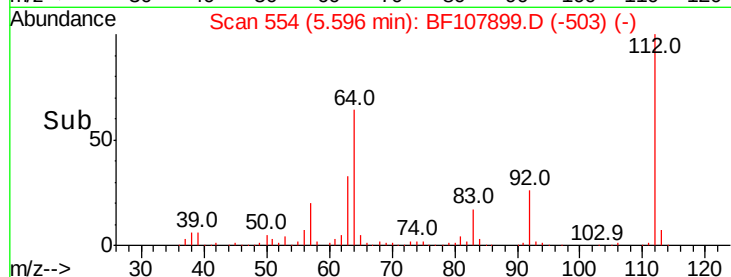
63 32.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 48.580 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107899.D

Acq: 1 Aug 2018 19:50

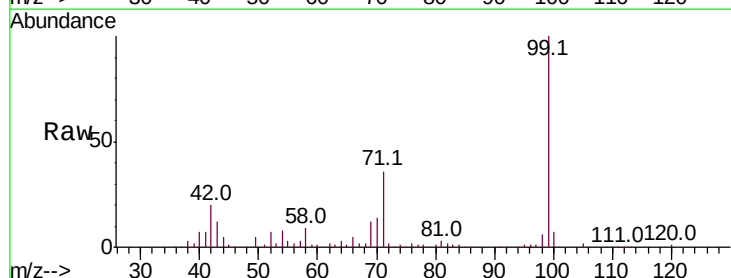
Tgt Ion: 99 Resp: 535162

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

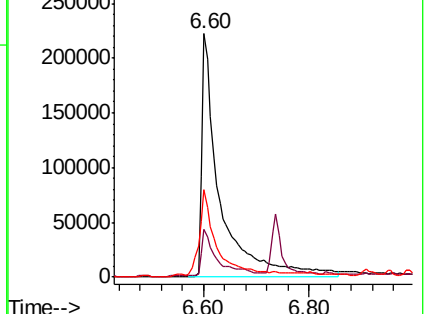
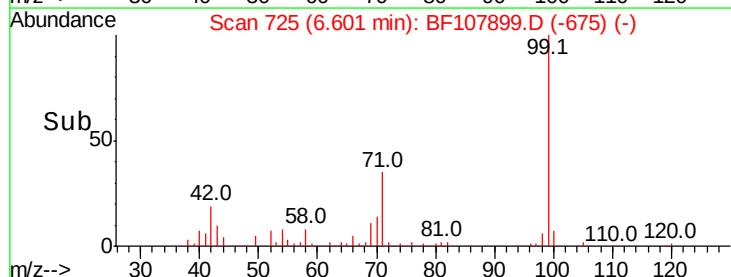
71 35.8 25.4 38.0

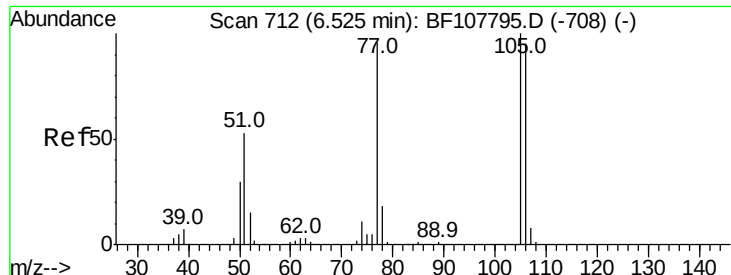


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 2.984 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF107899.D

Acq: 1 Aug 2018 19:50

Instrument :

BNA_F

ClientSampleId :

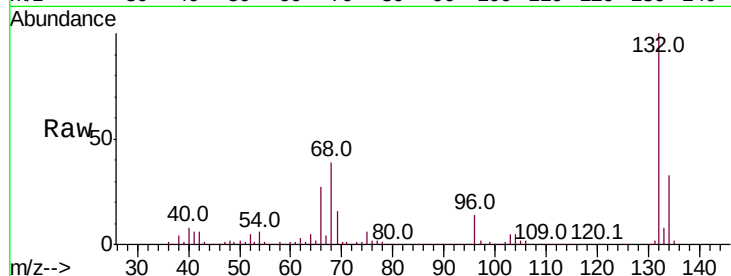
Tot Ion: 77 Resp: 19831

Ion Ratio Lower Upper

77 100

105 89.9 81.1 121.1

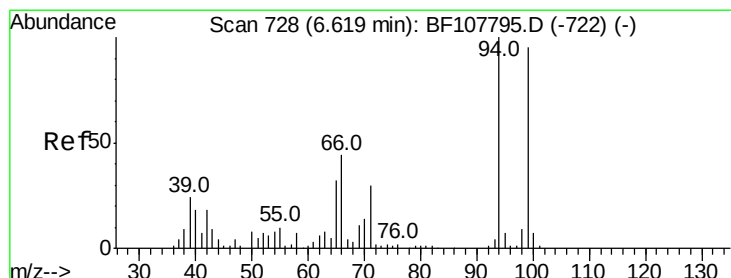
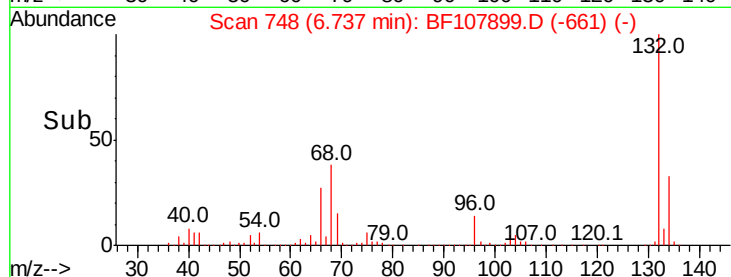
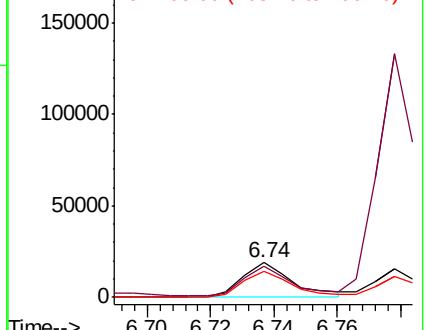
106 74.8 74.5 114.5



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



#10

Phenol

Concen: 2.953 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF107899.D

Acq: 1 Aug 2018 19:50

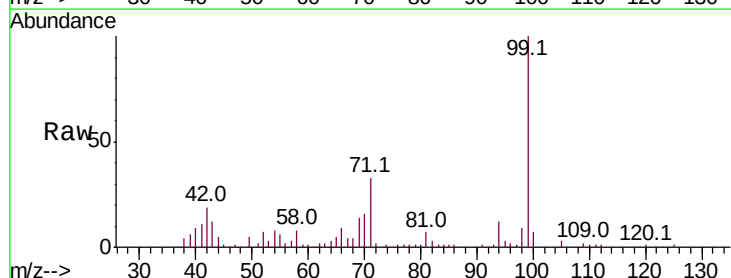
Tgt Ion: 94 Resp: 38800

Ion Ratio Lower Upper

94 100

65 43.6 7.9 47.9

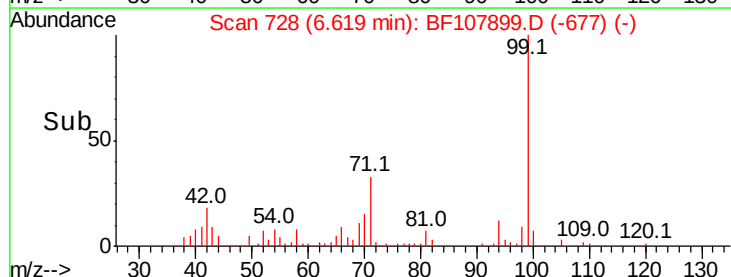
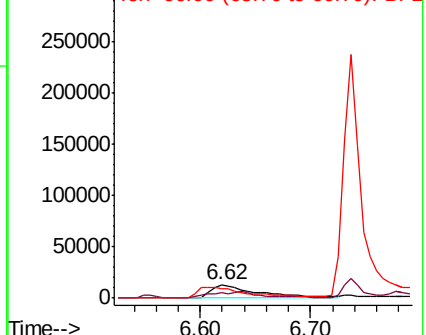
66 73.8 16.2 56.2#

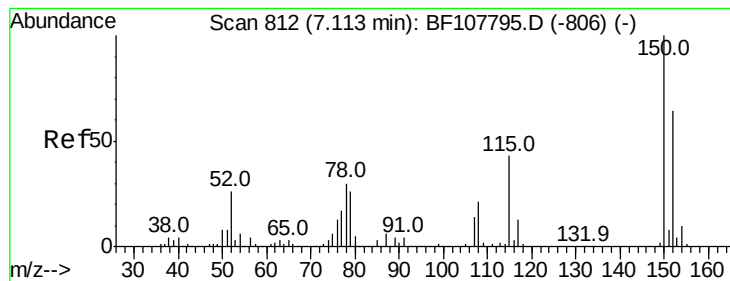


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.244 ng

RT: 7.11 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF107899.D

Acq: 1 Aug 2018 19:50

Instrument :

BNA_F

ClientSampled :

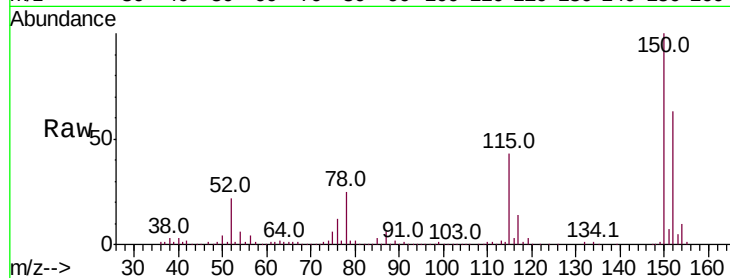
Tot Ion: 79 Resp: 15365

Ion Ratio Lower Upper

79 100

108 25.3 65.1 97.7#

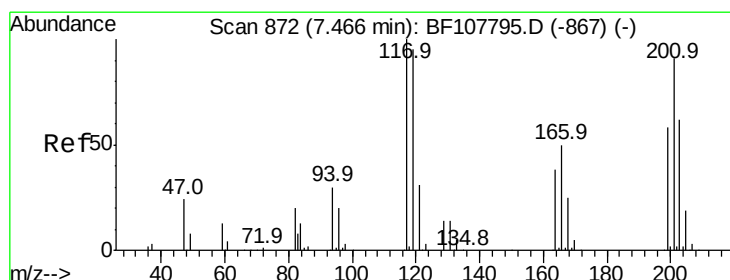
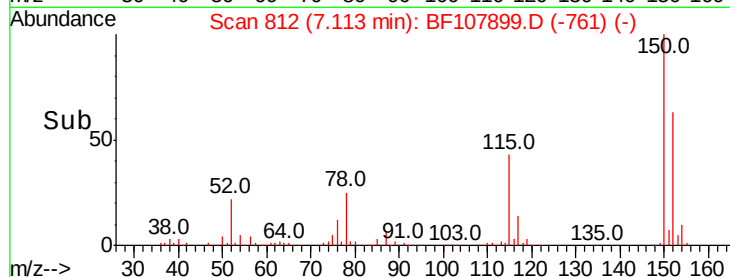
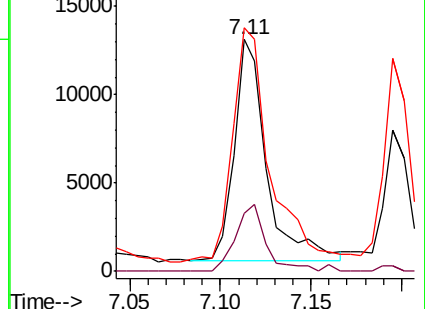
77 105.1 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 10.557 ng

RT: 7.48 min Scan# 875

Delta R.T. 0.02 min

Lab File: BF107899.D

Acq: 1 Aug 2018 19:50

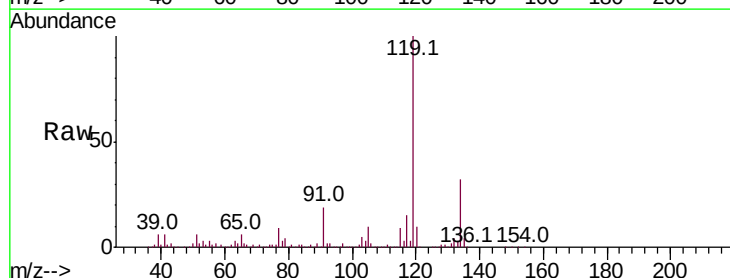
Tgt Ion: 117 Resp: 46517

Ion Ratio Lower Upper

117 100

119 668.9 75.8 113.8#

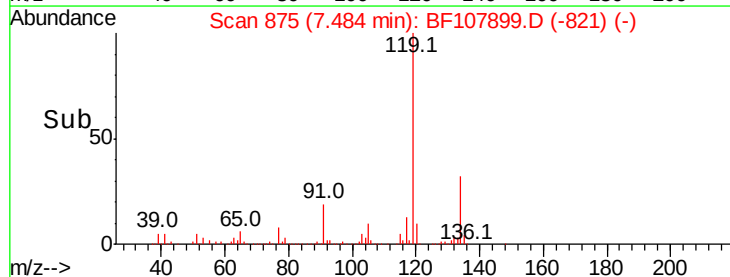
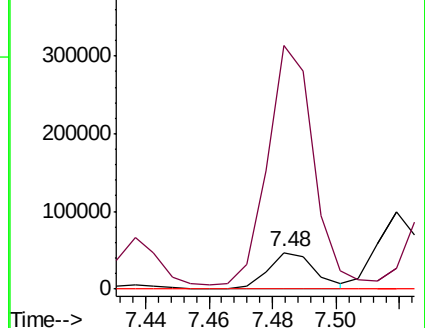
201 0.0 75.7 113.5#

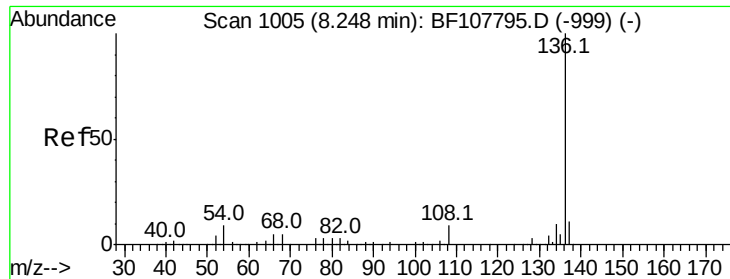


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

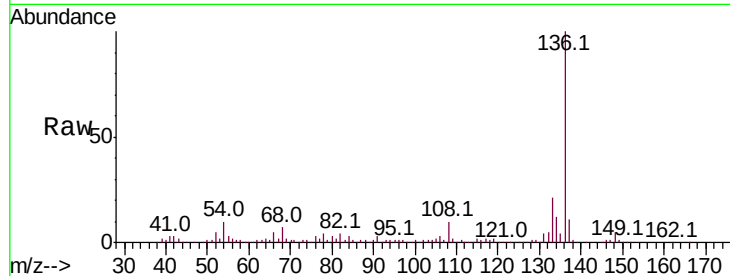




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107899.D
Acq: 1 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	584524
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.3	6.6	9.8#
68	6.6	5.0	7.4



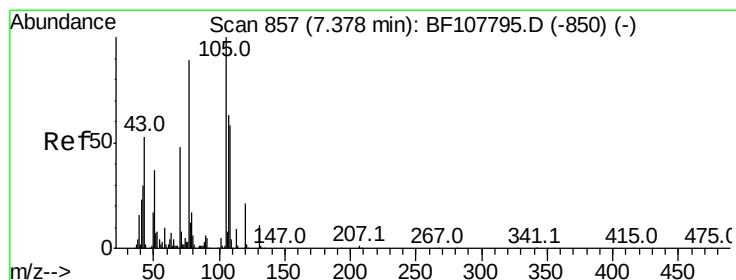
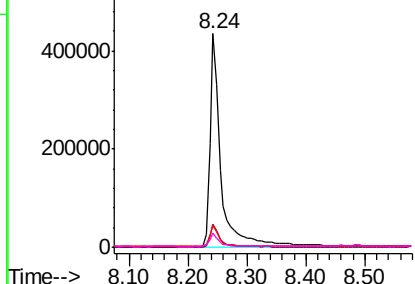
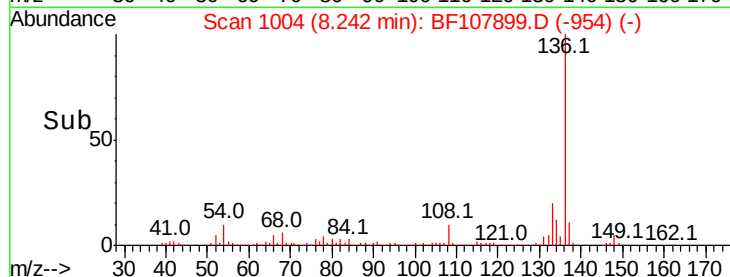
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

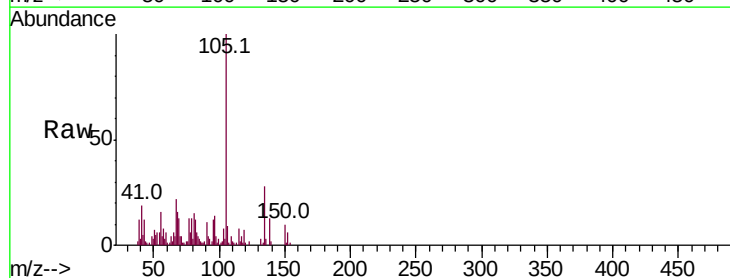
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 2.546 ng
RT: 7.34 min Scan# 851
Delta R.T. -0.04 min
Lab File: BF107899.D
Acq: 1 Aug 2018 19:50

Tgt Ion:	105	Resp:	35805
Ion	Ratio	Lower	Upper
105	100		
71	3.7	4.4	6.6#
51	7.5	22.3	33.5#
120	0.8	16.9	25.3#



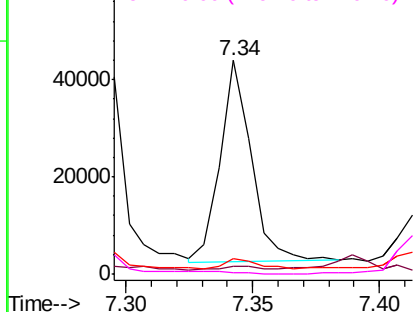
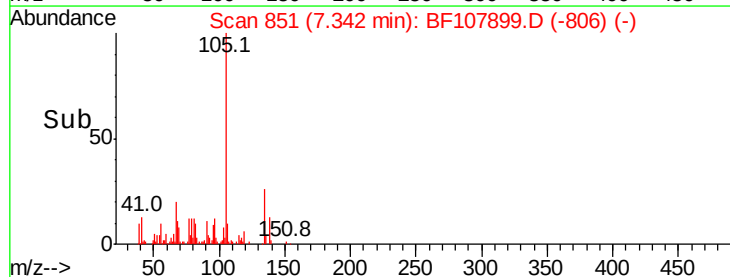
Abundance

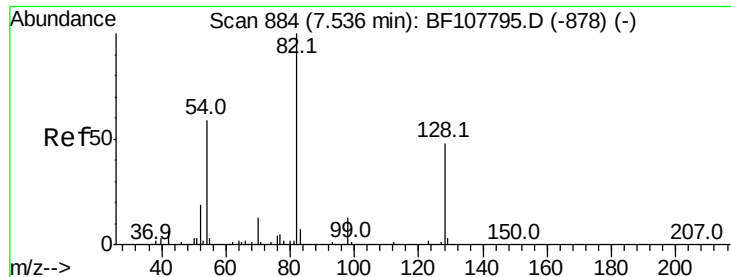
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

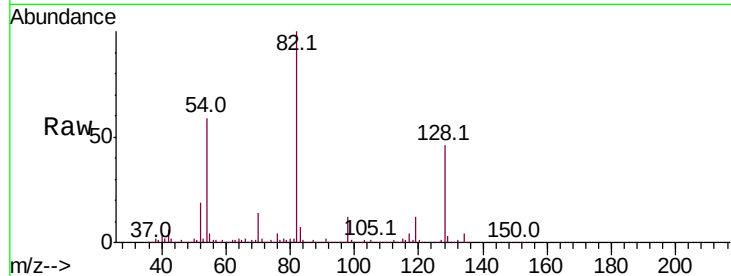




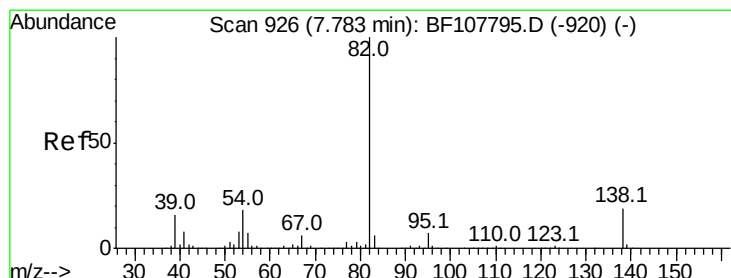
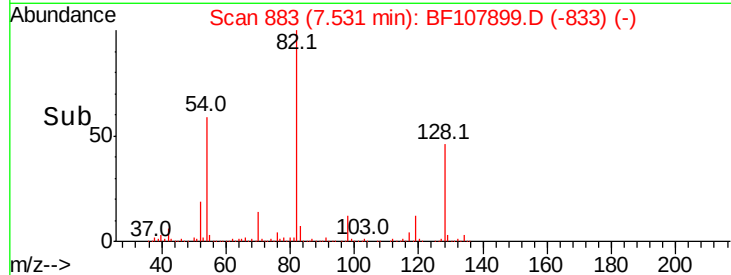
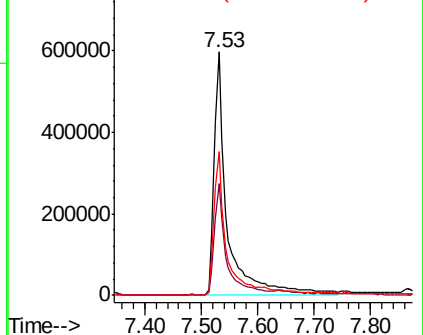
#23
Nitrobenzene-d5
Concen: 95.756 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107899.D
Acq: 1 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 971556
Ion Ratio Lower Upper
82 100
128 46.1 36.1 54.1
54 59.3 41.4 62.2

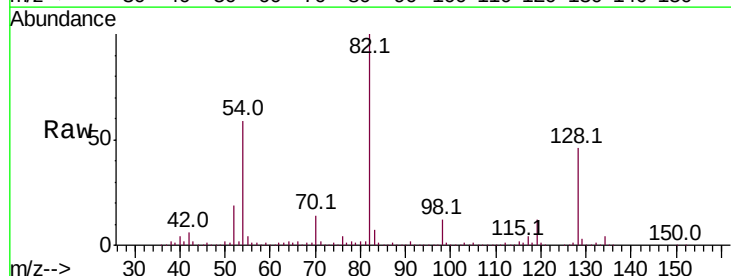


Abundance Ion 82.00 (81.70 to 82.70): BF1
800000 Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

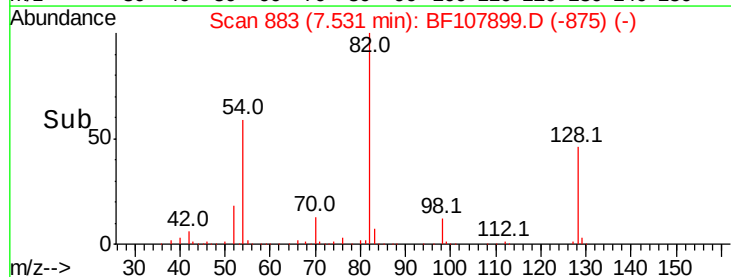
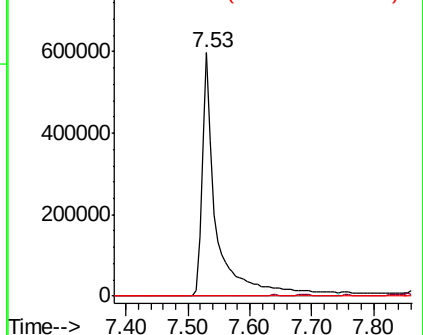


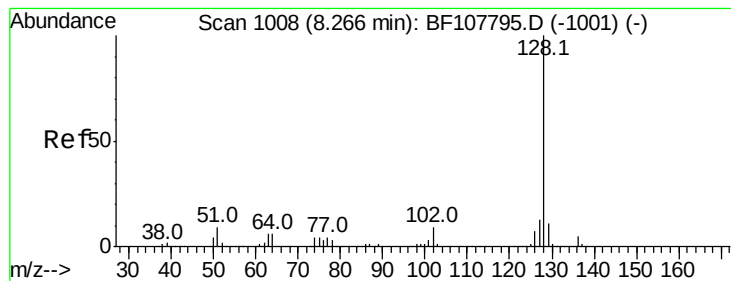
#25
Isophorone
Concen: 58.334 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.25 min
Lab File: BF107899.D
Acq: 1 Aug 2018 19:50

Tgt Ion: 82 Resp: 971537
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000 Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 2.485 ng

RT: 8.27 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF107899.D

Acq: 1 Aug 2018 19:50

Instrument :

BNA_F

ClientSampled :

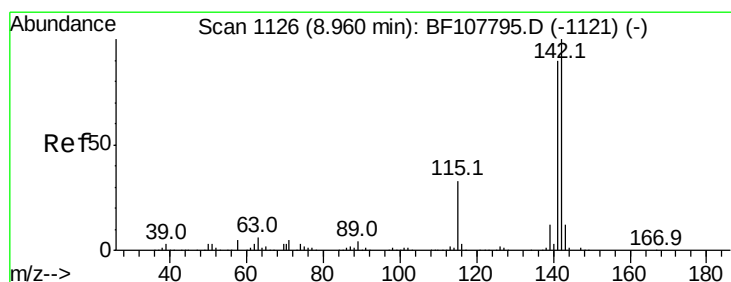
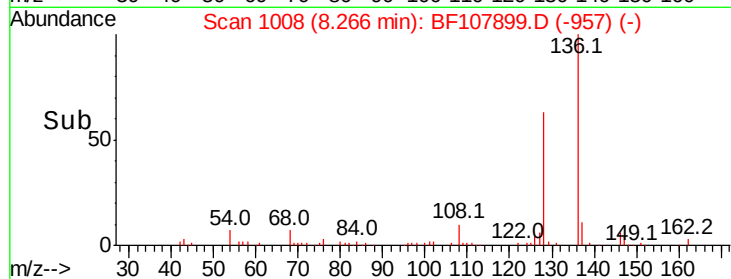
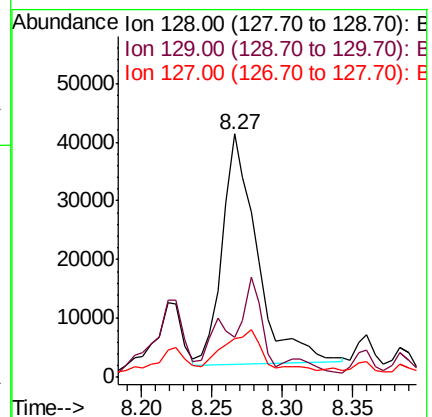
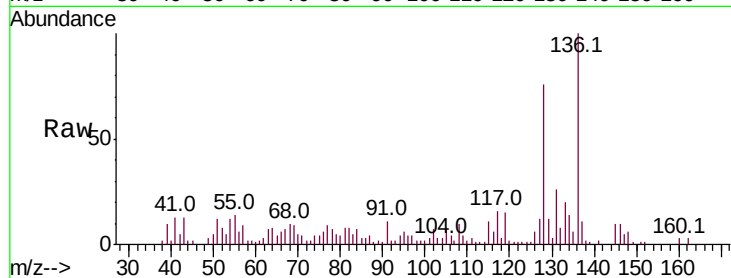
Tot Ion:128 Resp: 67518

Ion Ratio Lower Upper

128 100

129 16.3 8.8 13.2#

127 16.0 10.9 16.3



#37

2-Methylnaphthalene

Concen: 4.947 ng

RT: 8.95 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BF107899.D

Acq: 1 Aug 2018 19:50

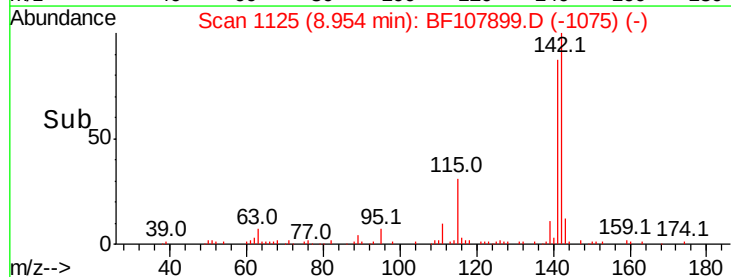
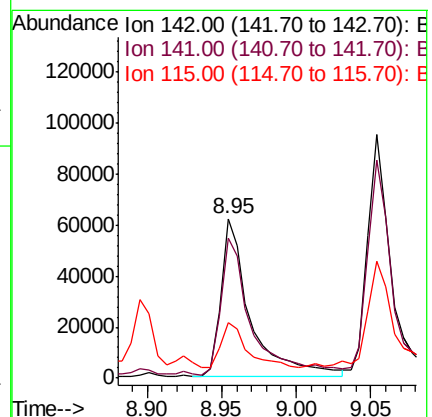
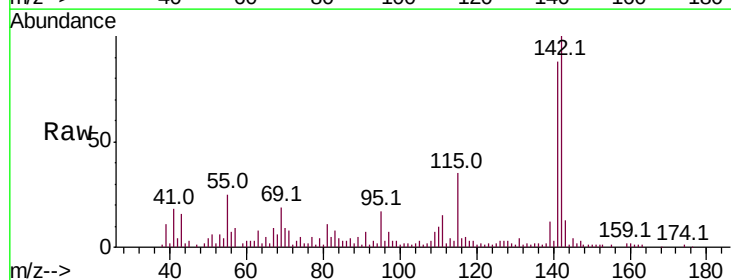
Tgt Ion:142 Resp: 84435

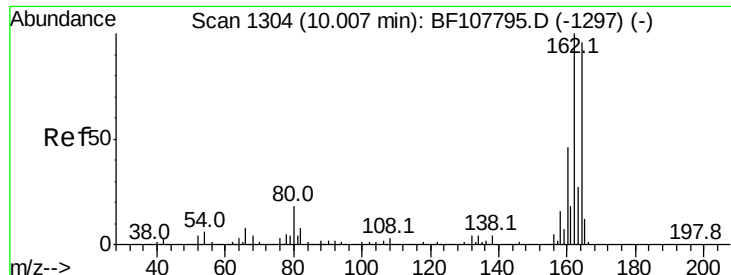
Ion Ratio Lower Upper

142 100

141 88.2 70.8 106.2

115 35.0 26.1 39.1

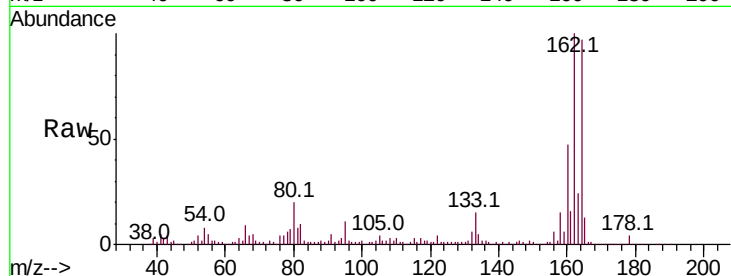




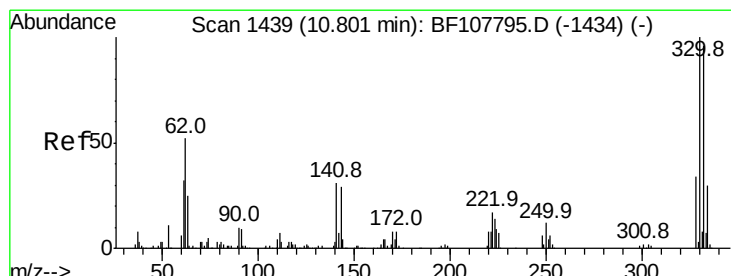
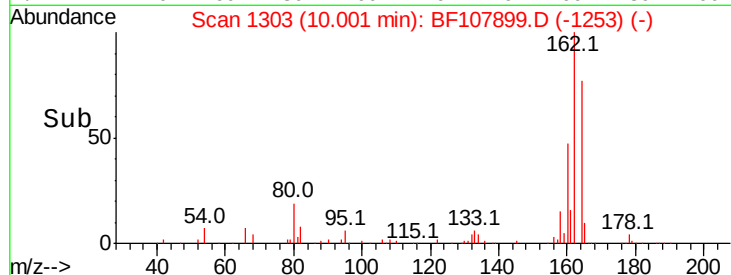
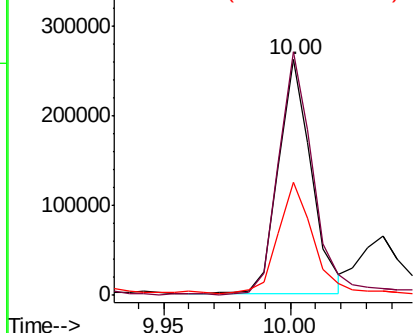
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107899.D
Acq: 1 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 236477
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 48.2 38.3 57.5

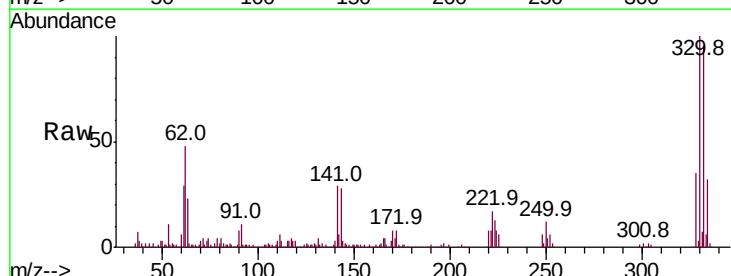


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

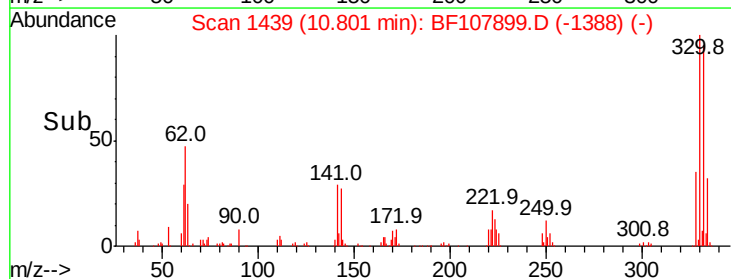
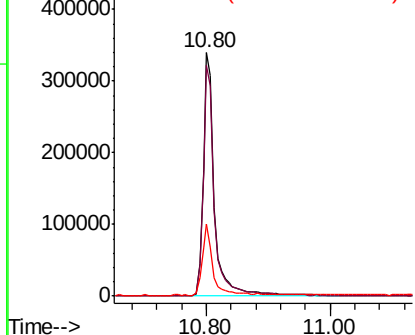


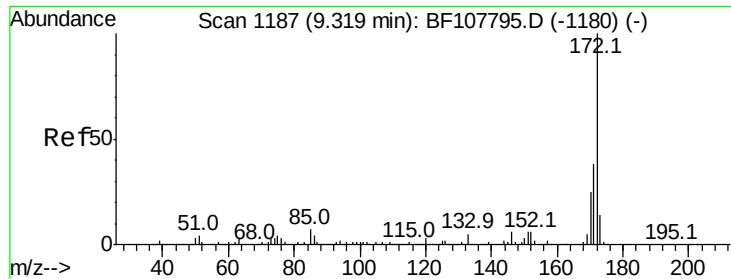
#41
2,4,6-Tribromophenol
Concen: 135.819 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF107899.D
Acq: 1 Aug 2018 19:50

Tgt Ion:330 Resp: 436419
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 27.3 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

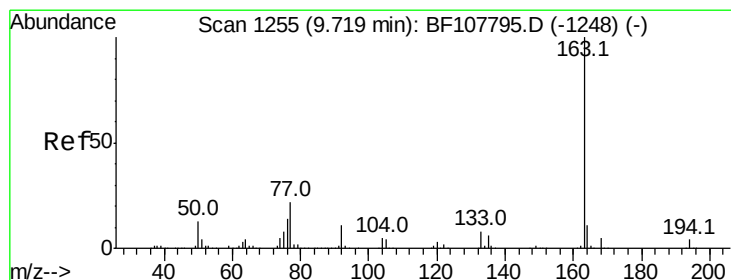
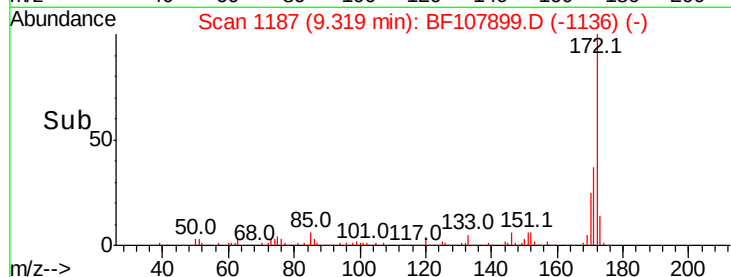
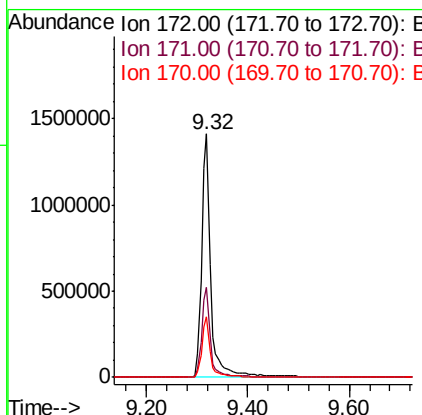
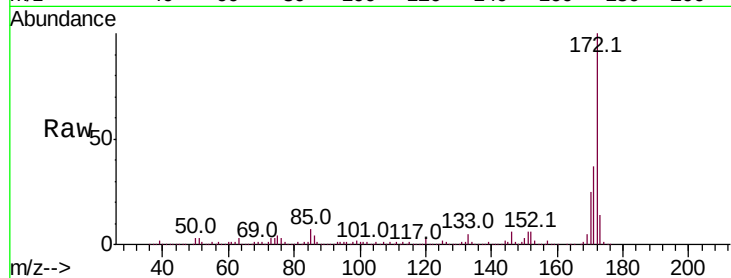




#44
2-Fluorobiphenyl
Concen: 104.879 ng
RT: 9.32 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BF107899.D
Acq: 1 Aug 2018 19:50

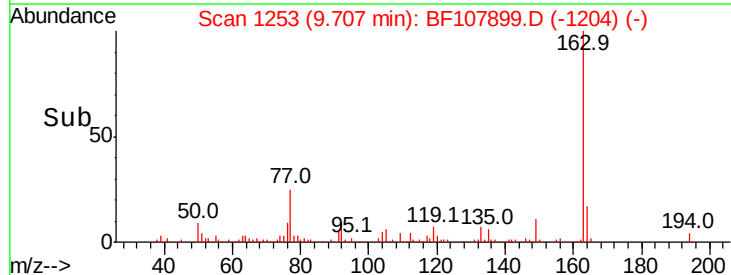
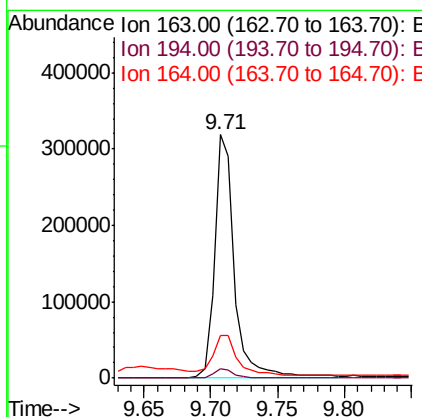
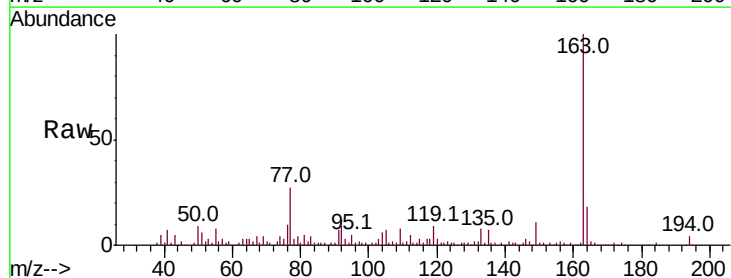
Instrument :
BNA_F
ClientSampleId :

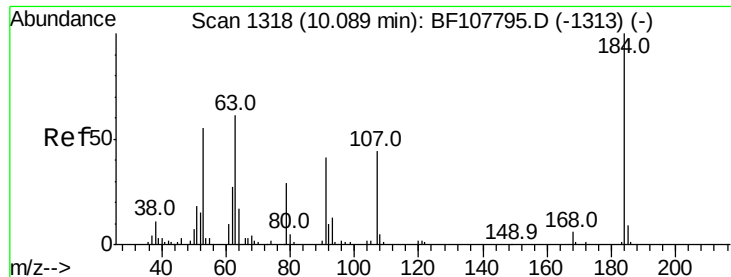
Tot Ion:172 Resp: 1779805
Ion Ratio Lower Upper
172 100
171 37.2 29.7 44.5
170 25.1 19.6 29.4



#49
Dimethylphthalate
Concen: 18.696 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107899.D
Acq: 1 Aug 2018 19:50

Tgt Ion:163 Resp: 332033
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 17.7 8.2 12.2#

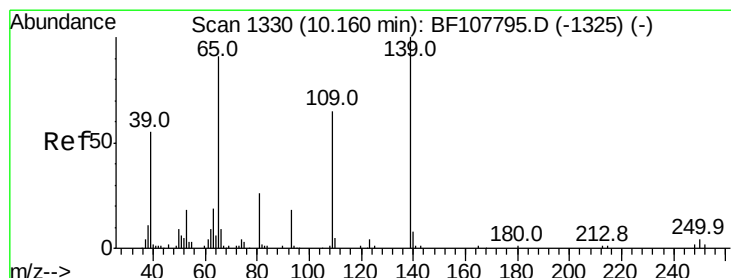
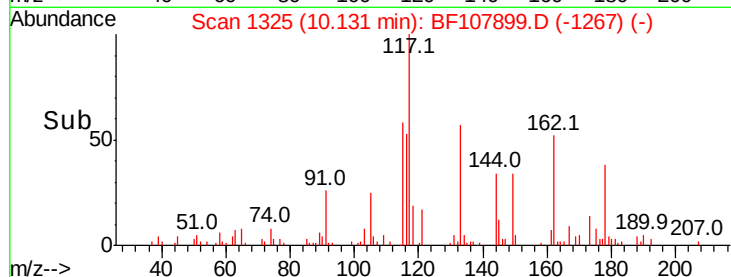
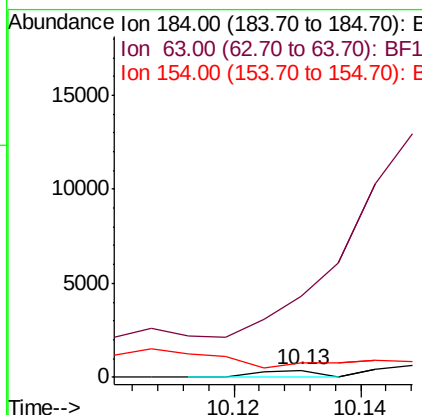
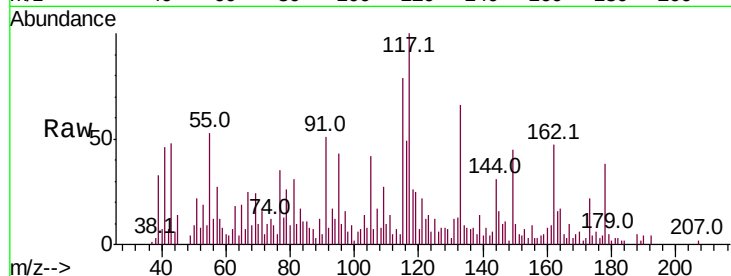




#53
 2,4-Dinitrophenol
 Concen: 8.548 ng
 RT: 10.13 min Scan# 1325
 Delta R.T. 0.04 min
 Lab File: BF107899.D
 Acq: 1 Aug 2018 19:50

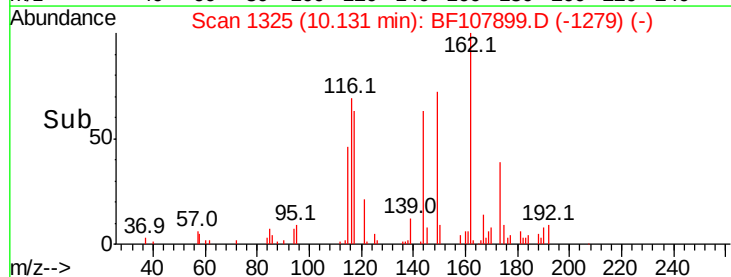
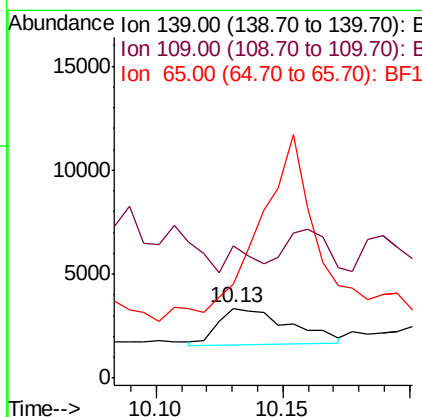
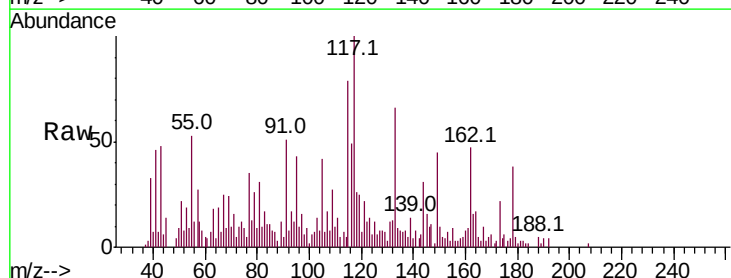
Instrument :
 BNA_F
 ClientSampleId :

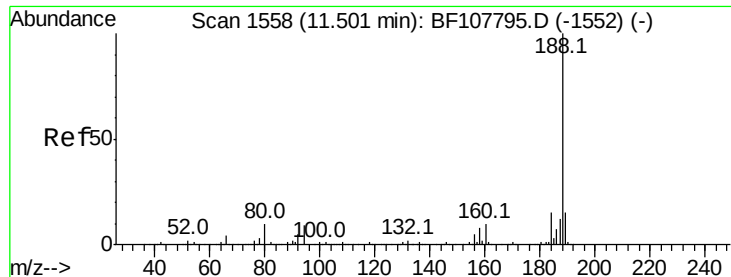
Tot Ion:184 Resp: 245
 Ion Ratio Lower Upper
 184 100
 63 1125.5 54.2 81.2#
 154 211.0 184.0 276.0



#55
 4-Nitrophenol
 Concen: 10.627 ng
 RT: 10.13 min Scan# 1325
 Delta R.T. -0.03 min
 Lab File: BF107899.D
 Acq: 1 Aug 2018 19:50

Tgt Ion:139 Resp: 3406
 Ion Ratio Lower Upper
 139 100
 109 189.8 48.4 88.4#
 65 135.0 72.6 112.6#

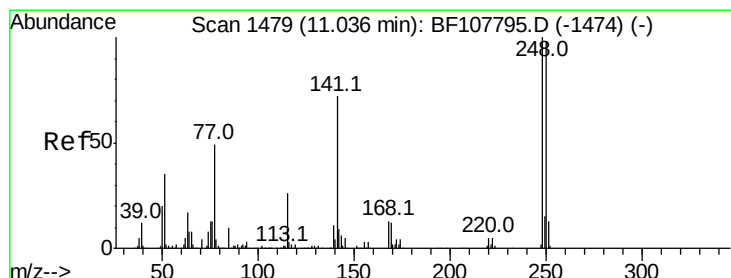
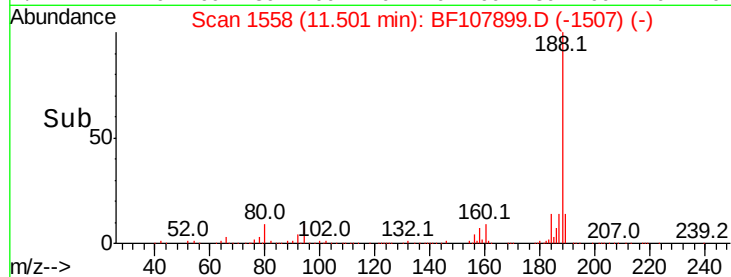
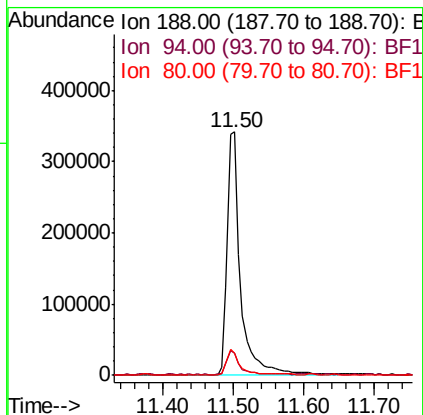
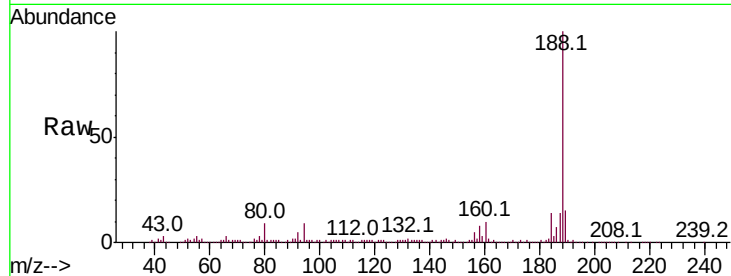




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF107899.D
 Acq: 1 Aug 2018 19:50

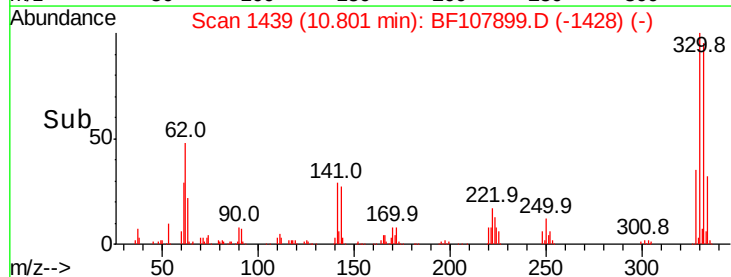
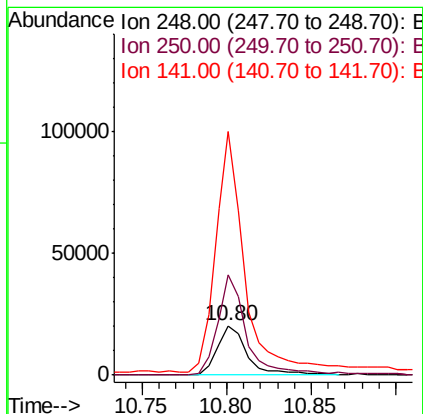
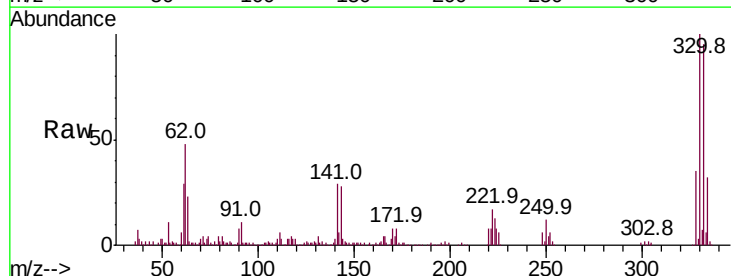
Instrument :
 BNA_F
 ClientSampleId :

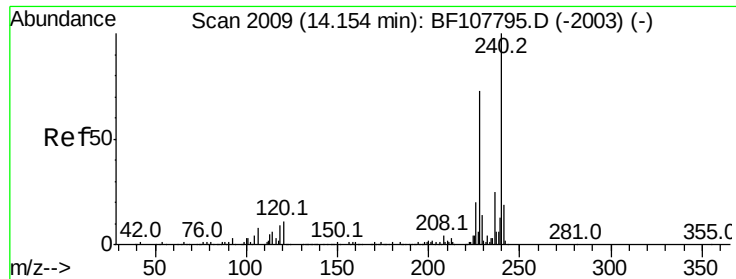
Tot Ion:188 Resp: 454350
 Ion Ratio Lower Upper
 188 100
 94 8.9 8.5 12.7
 80 9.2 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.735 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF107899.D
 Acq: 1 Aug 2018 19:50

Tgt Ion:248 Resp: 25077
 Ion Ratio Lower Upper
 248 100
 250 201.8 76.9 115.3#
 141 491.5 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107899.D

Acq: 1 Aug 2018 19:50

Instrument :

BNA_F

ClientSampleId :

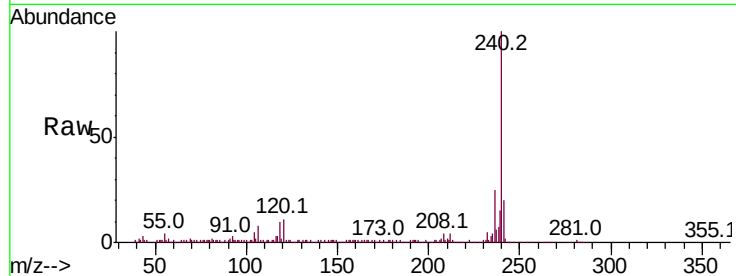
Tot Ion:240 Resp: 354347

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

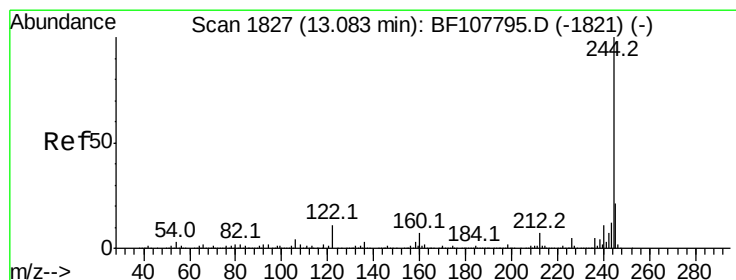
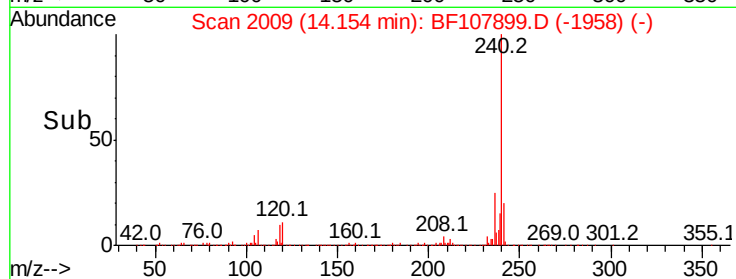
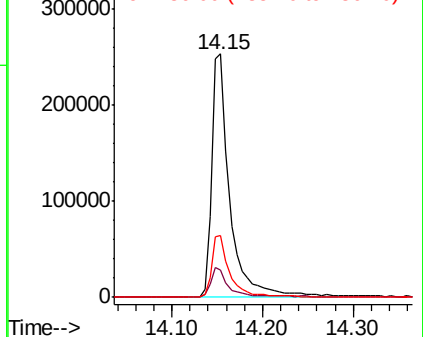
236 25.3 20.7 31.1



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: 84.361 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107899.D

Acq: 1 Aug 2018 19:50

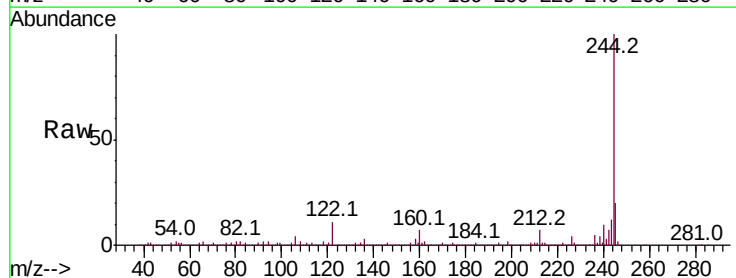
Tgt Ion:244 Resp: 1378560

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

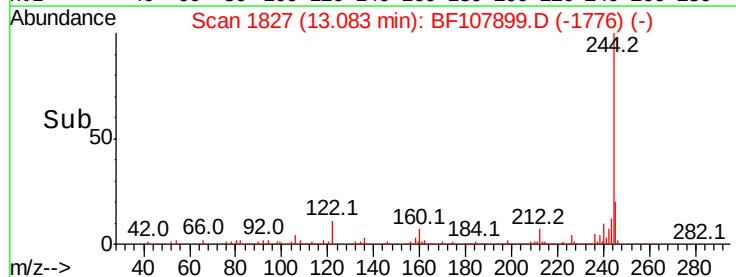
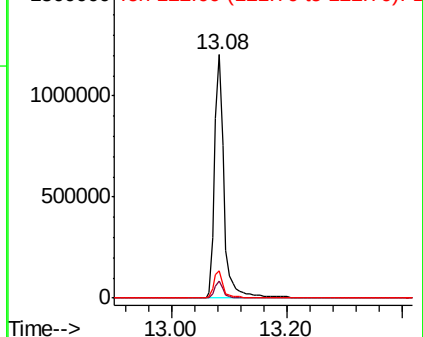
122 11.0 11.0 16.4

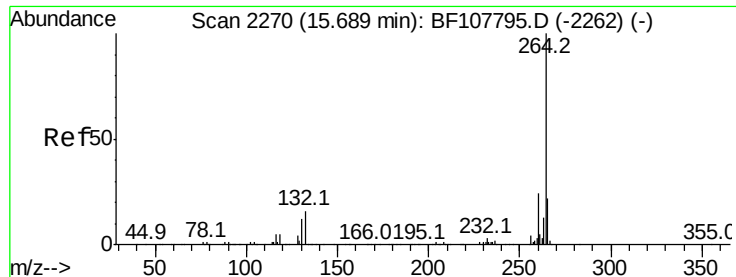


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107899.D
Acq: 1 Aug 2018 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	17.5	26.3

