

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107944.D
 Acq On : 3 Aug 2018 18:11
 Operator : JU/SJ
 Sample : J4316-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OW-2-4

Quant Time: Aug 03 22:59:25 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	6.95	152	135601	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	616559	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	250405	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	458901	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	305330	20.00	ng	-0.01
86) Perylene-d12	15.68	264	357965	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	330156	41.38	ng	0.00
7) Phenol-d6	6.61	99	350150	33.30	ng	0.00
23) Nitrobenzene-d5	7.52	82	829914	77.55	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	389446	114.46	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1565564	87.12	ng	-0.01
78) Terphenyl-d14	13.07	244	1169806	83.08	ng	-0.01

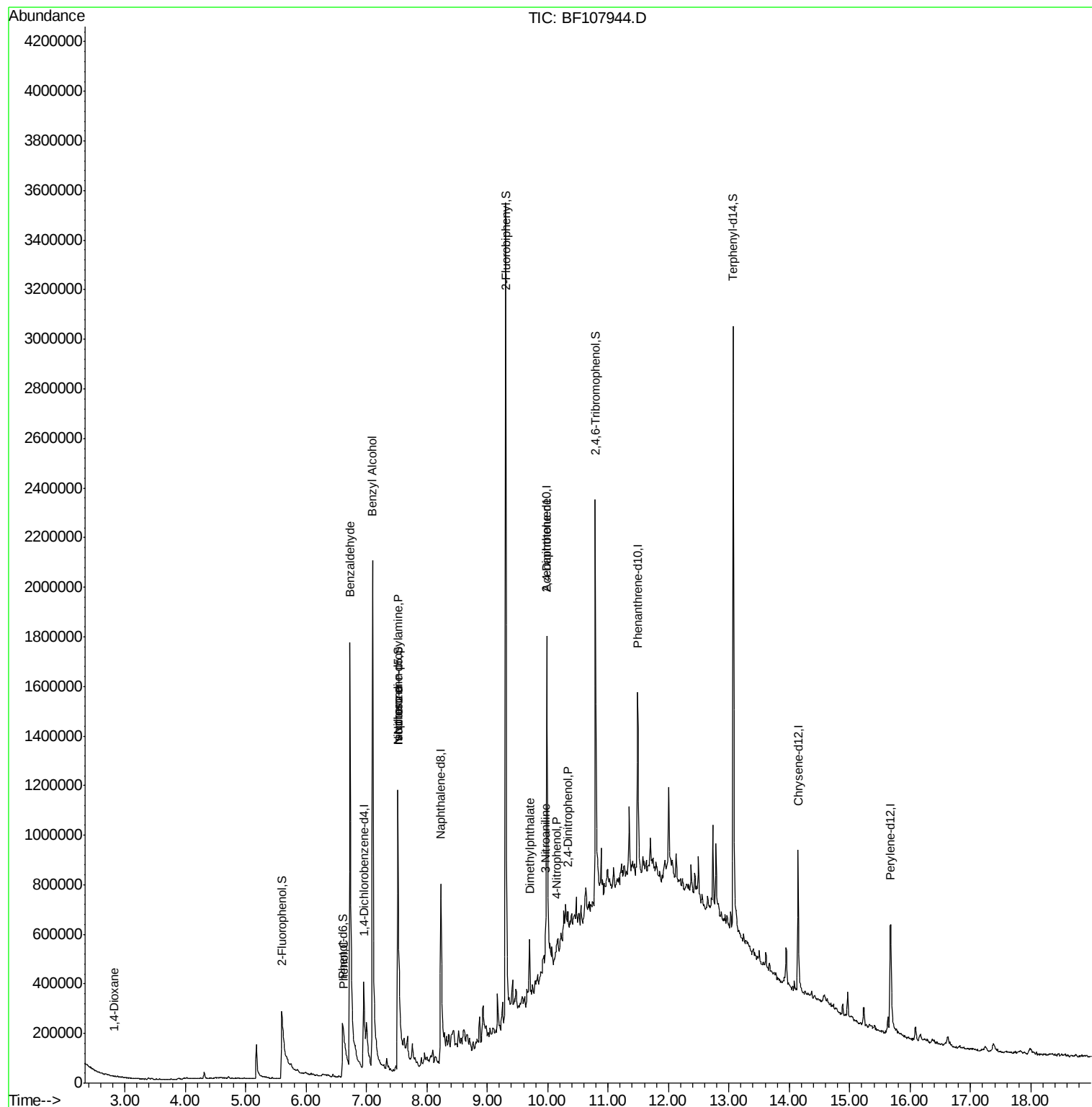
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.82	88	422	5.893	ng	# 20
9) Benzaldehyde	6.72	77	17696	2.789	ng	# 86
10) Phenol	6.63	94	26505	2.114	ng	# 65
15) Benzyl Alcohol	7.10	79	13967	2.137	ng	# 46
19) n-Nitroso-di-n-propylamine	7.52	70	89742	13.454	ng	# 84
25) Isophorone	7.52	82	829914	47.241	ng	# 64
49) Dimethylphthalate	9.70	163	144714	7.695	ng	# 99
52) 3-Nitroaniline	9.97	138	14155	2.749	ng	# 11
53) 2,4-Dinitrophenol	10.32	184	108	8.485	ng	# 1
55) 4-Nitrophenol	10.15	139	1422	9.831	ng	# 1
56) 2,4-Dinitrotoluene	9.99	165	33140	6.170	ng	# 26

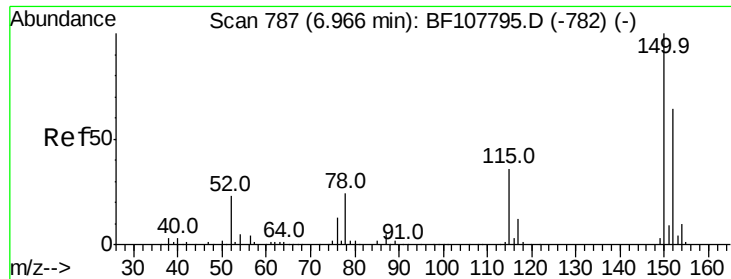
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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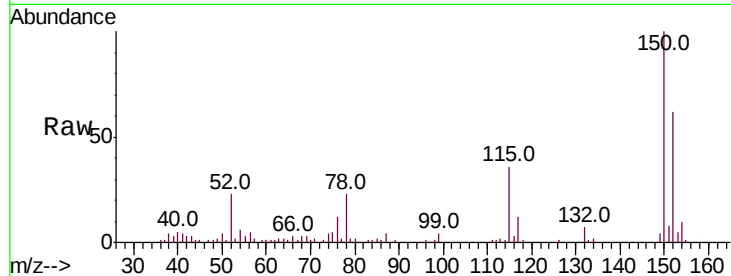


#1

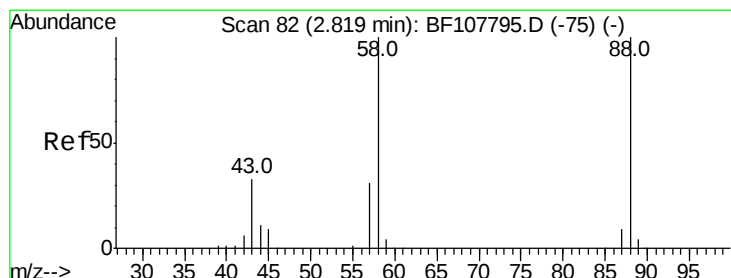
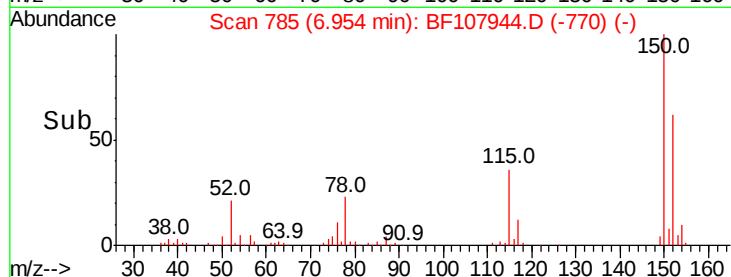
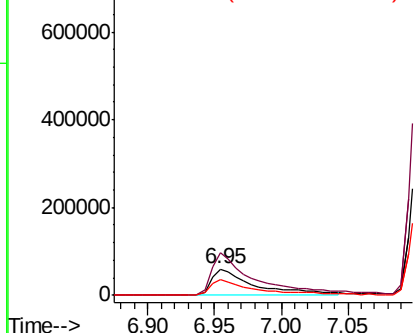
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107944.D
Acq: 3 Aug 2018 18:11

Instrument :
BNA_F
ClientSampleId :
OW-2-4

Tot Ion:152 Resp: 135601
Ion Ratio Lower Upper
152 100
150 160.3 124.6 186.8
115 58.4 50.1 75.1



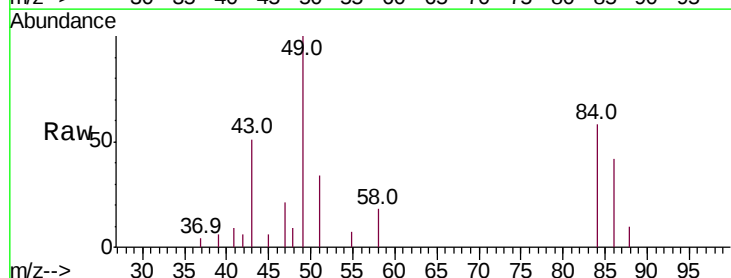
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



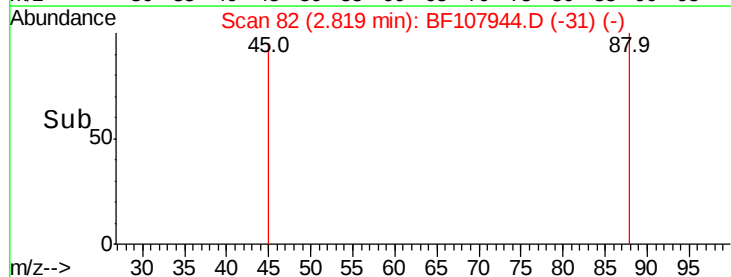
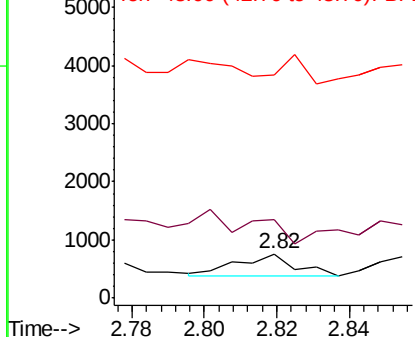
#2

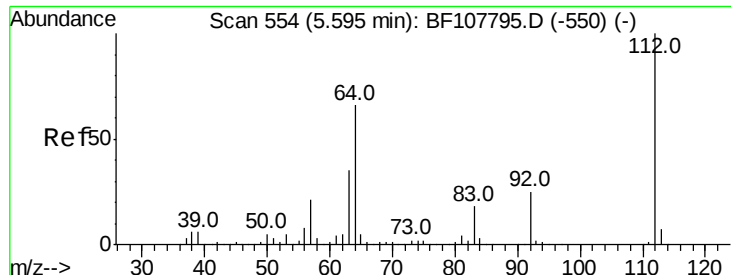
1,4-Dioxane
Concen: 5.893 ng
RT: 2.82 min Scan# 82
Delta R.T. 0.00 min
Lab File: BF107944.D
Acq: 3 Aug 2018 18:11

Tgt Ion: 88 Resp: 422
Ion Ratio Lower Upper
88 100
58 0.0 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





#5

2-Fluorophenol

Concen: 41.380 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107944.D

Acq: 3 Aug 2018 18:11

Instrument :

BNA_F

ClientSampleId :

OW-2-4

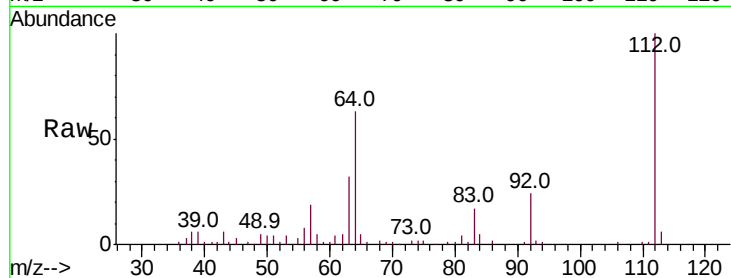
Tot Ion:112 Resp: 330156

Ion Ratio Lower Upper

112 100

64 62.8 47.9 71.9

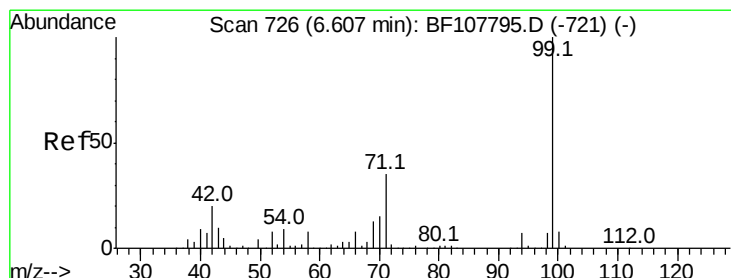
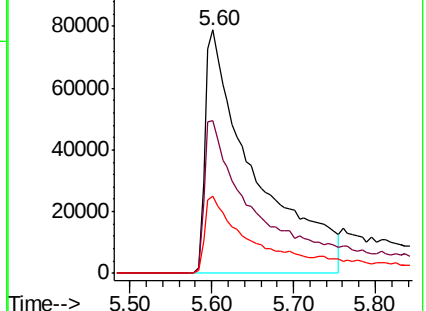
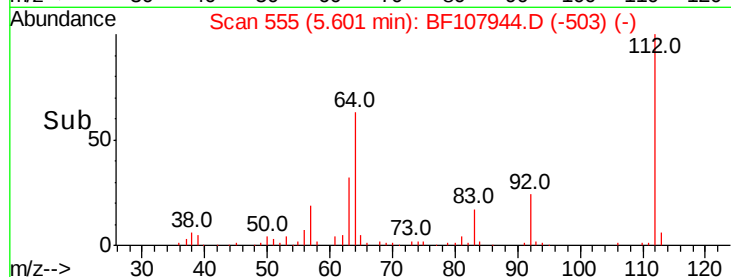
63 31.6 23.7 35.5



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: 33.299 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107944.D

Acq: 3 Aug 2018 18:11

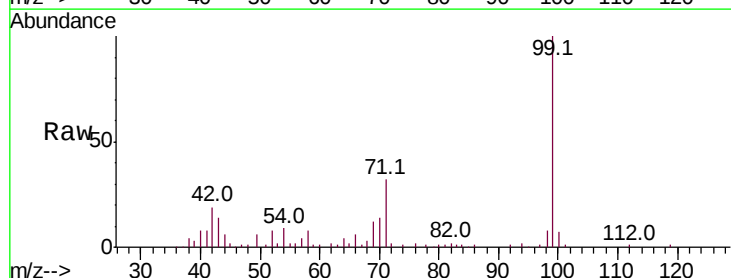
Tgt Ion: 99 Resp: 350150

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

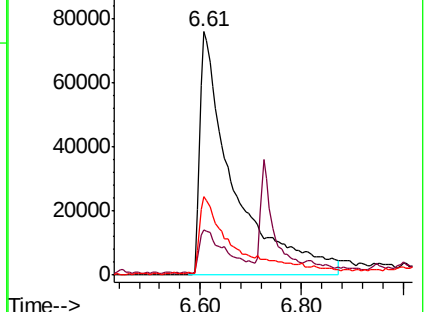
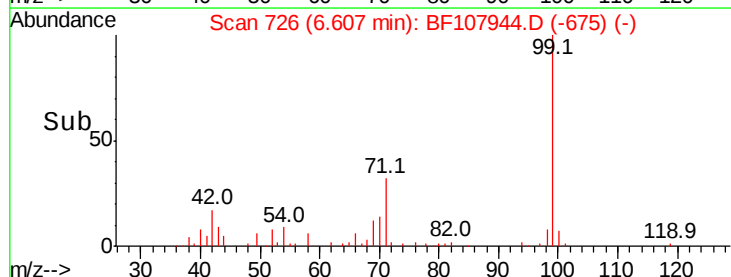
71 32.3 25.4 38.0

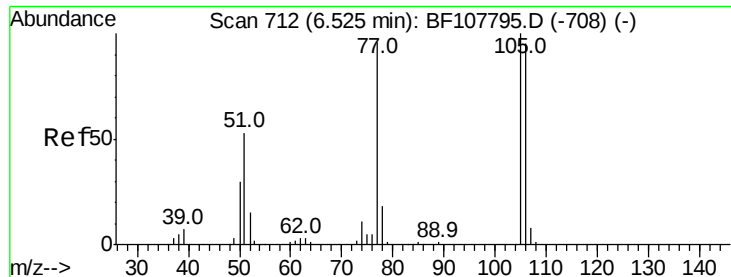


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 2.789 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.20 min

Lab File: BF107944.D

Acq: 3 Aug 2018 18:11

Instrument :

BNA_F

ClientSampled :

OW-2-4

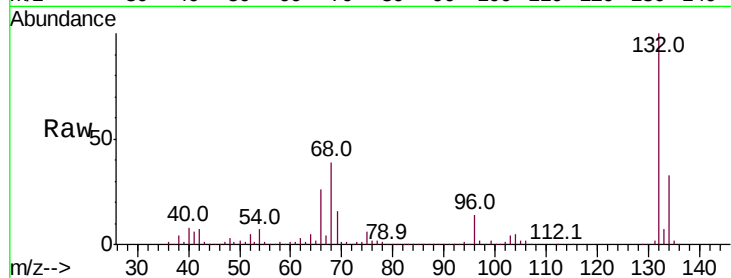
Tot Ion: 77 Resp: 17696

Ion Ratio Lower Upper

77 100

105 88.8 81.1 121.1

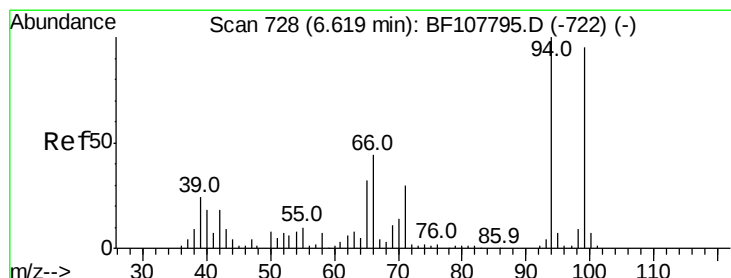
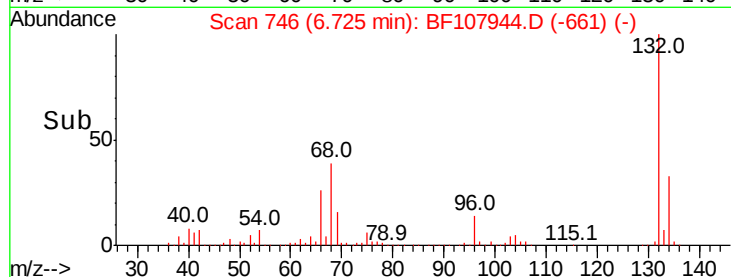
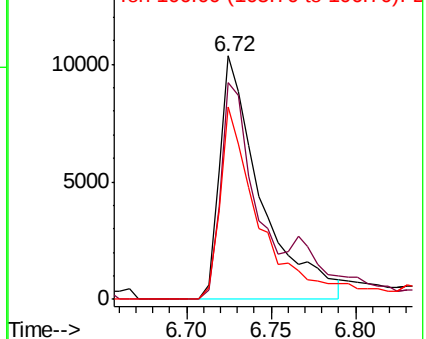
106 78.9 74.5 114.5



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: 2.114 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF107944.D

Acq: 3 Aug 2018 18:11

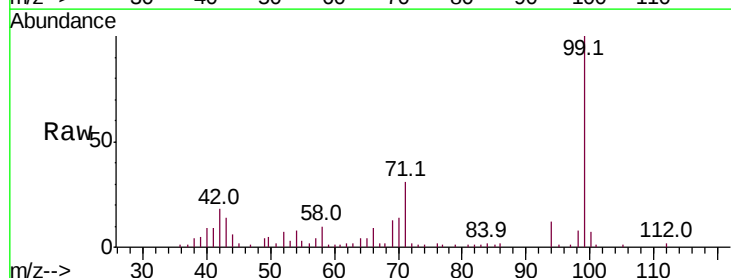
Tgt Ion: 94 Resp: 26505

Ion Ratio Lower Upper

94 100

65 31.6 7.9 47.9

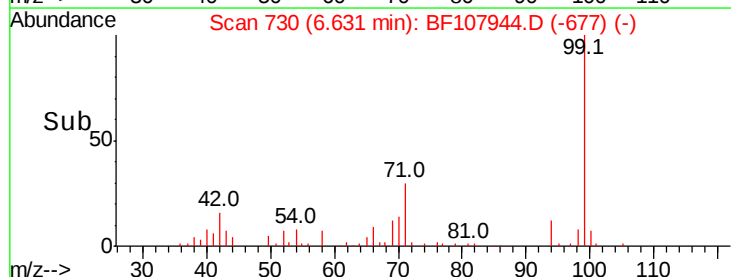
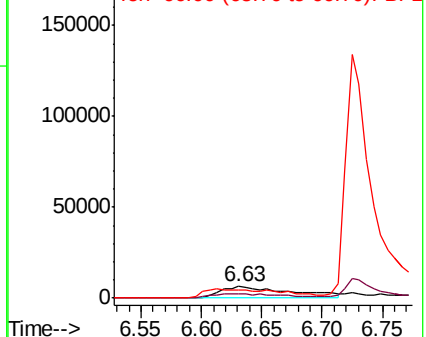
66 69.6 16.2 56.2#

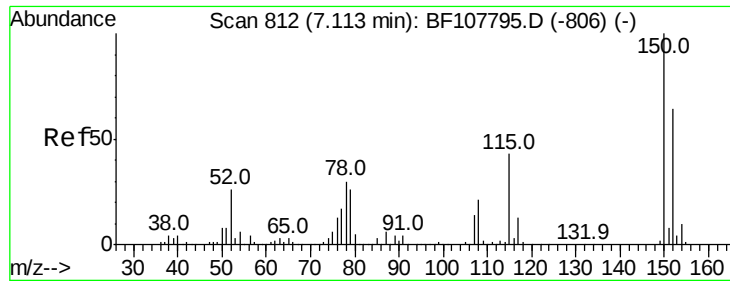


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

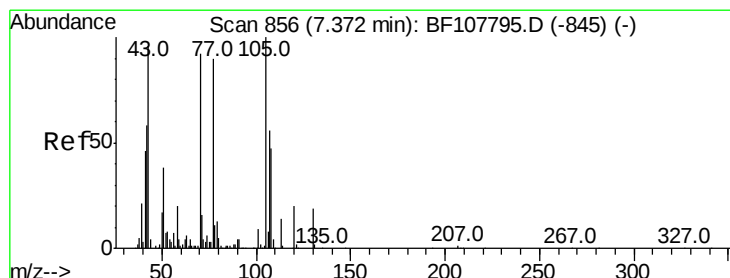
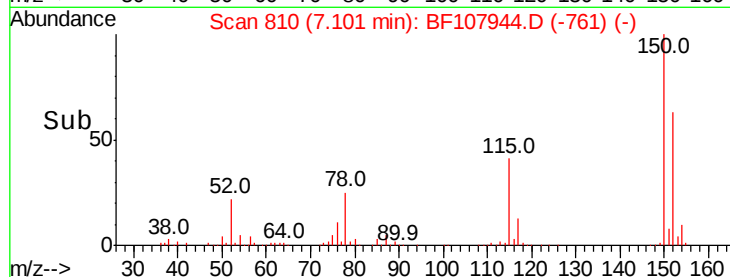
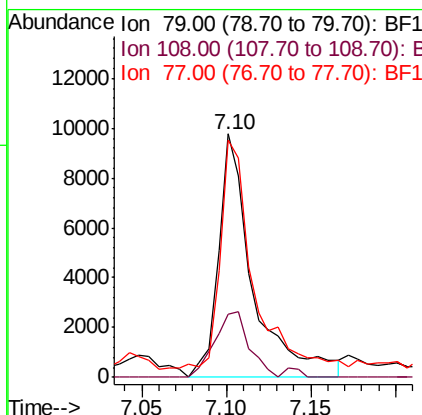
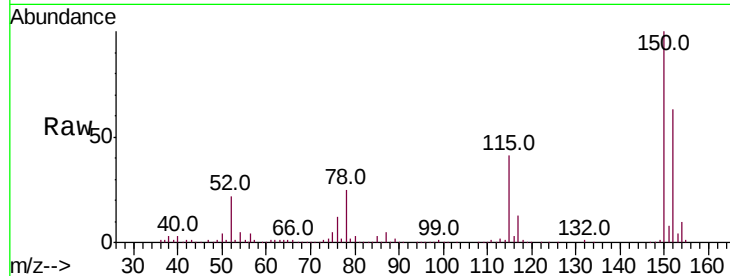




#15
Benzyl Alcohol
Concen: 2.137 ng
RT: 7.10 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF107944.D
Acq: 3 Aug 2018 18:11

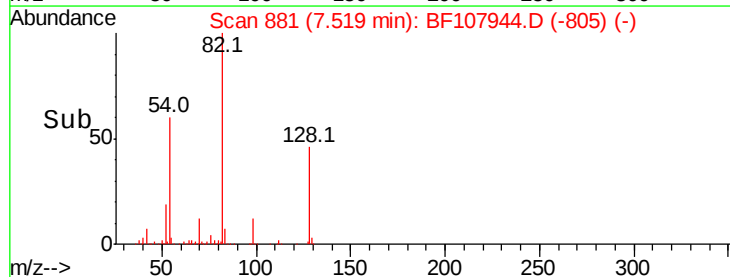
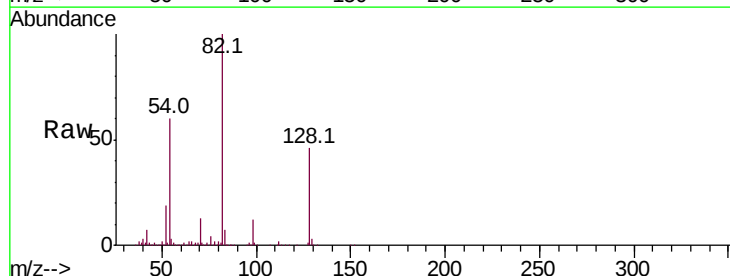
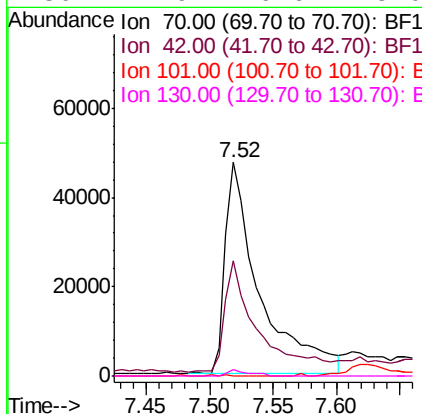
Instrument :
BNA_F
ClientSampleId :
OW-2-4

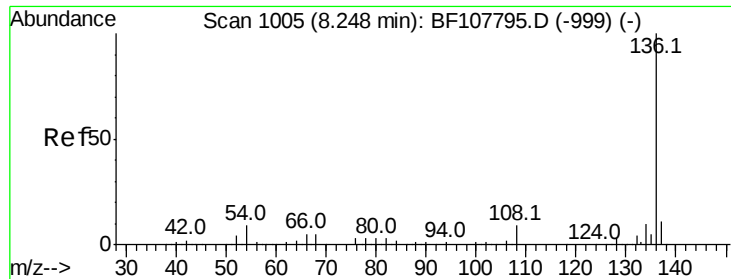
Tot Ion: 79 Resp: 13967
Ion Ratio Lower Upper
79 100
108 25.8 65.1 97.7#
77 97.5 50.6 75.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.454 ng
RT: 7.52 min Scan# 881
Delta R.T. 0.15 min
Lab File: BF107944.D
Acq: 3 Aug 2018 18:11

Tgt Ion: 70 Resp: 89742
Ion Ratio Lower Upper
70 100
42 54.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.9 16.6 25.0#

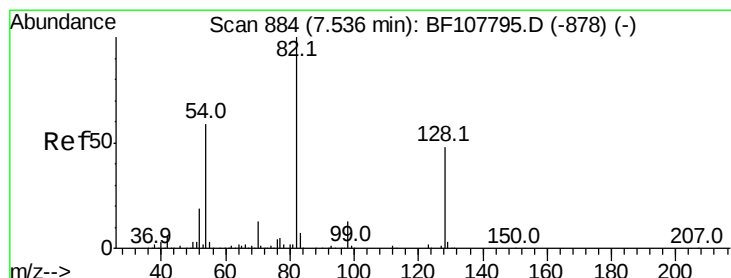
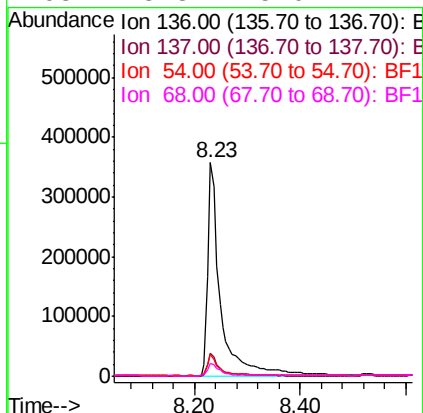
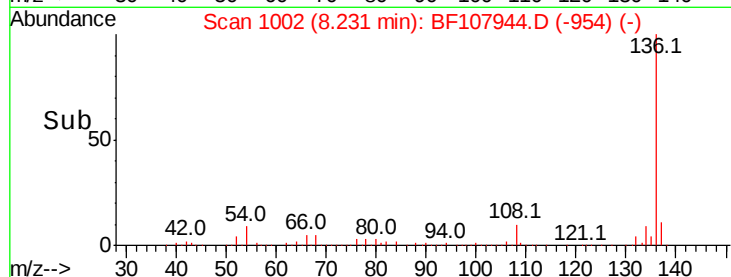
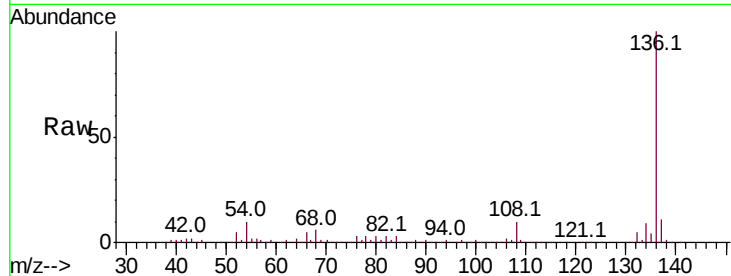




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107944.D
Acq: 3 Aug 2018 18:11

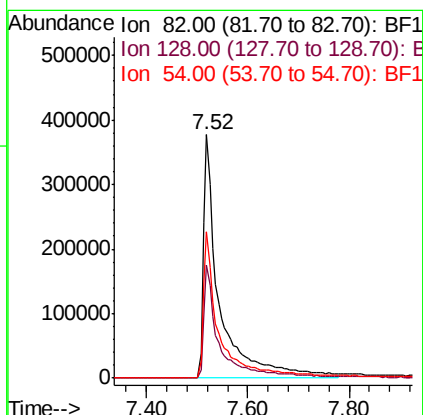
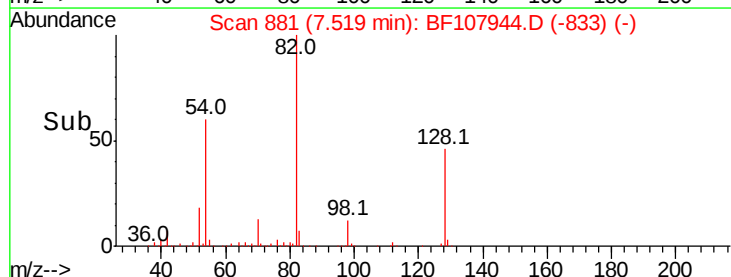
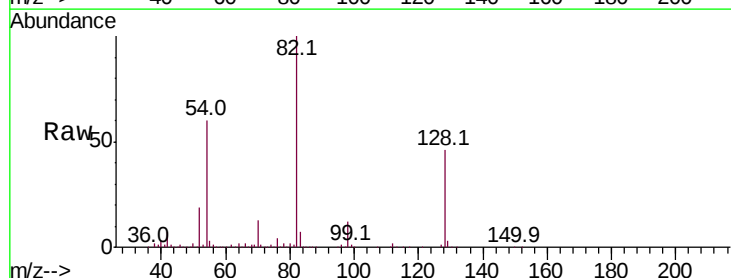
Instrument :
BNA_F
ClientSampled :
OW-2-4

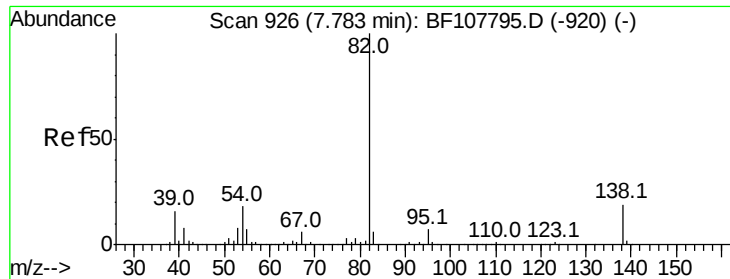
Tot Ion:136	Resp:	616559	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	8.9	13.3	
54 10.0	6.6	9.8#	
68 5.8	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 77.546 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107944.D
Acq: 3 Aug 2018 18:11

Tgt Ion: 82	Resp: 829914
Ion Ratio	Lower Upper
82 100	
128 46.3	36.1 54.1
54 60.3	41.4 62.2





#25

Isophorone

Concen: 47.241 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF107944.D

Acq: 3 Aug 2018 18:11

Instrument :

BNA_F

ClientSampleId :

OW-2-4

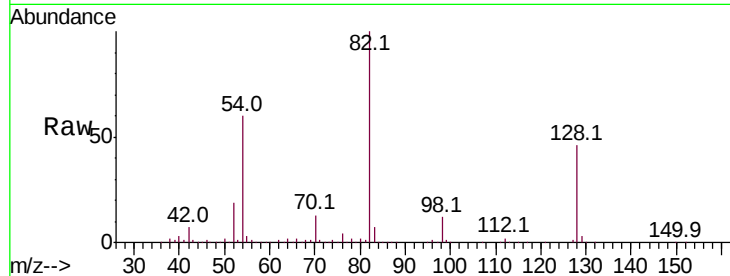
Tot Ion: 82 Resp: 829914

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

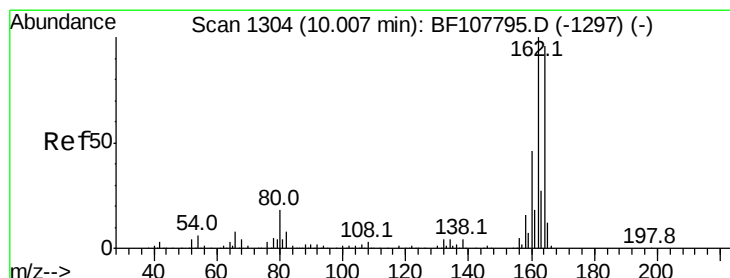
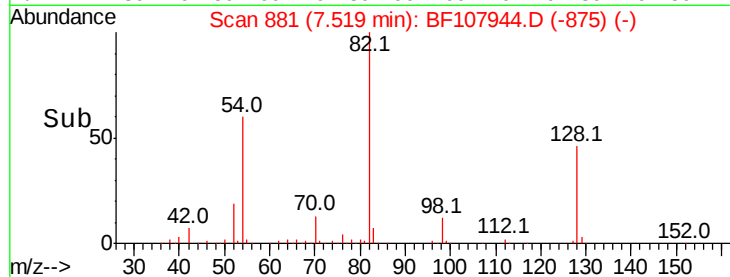
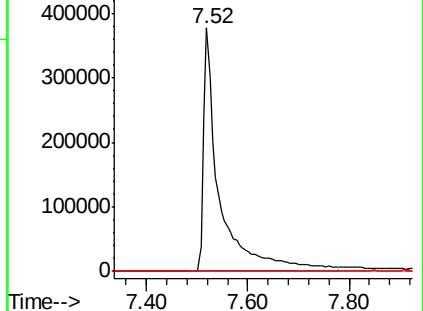
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.99 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF107944.D

Acq: 3 Aug 2018 18:11

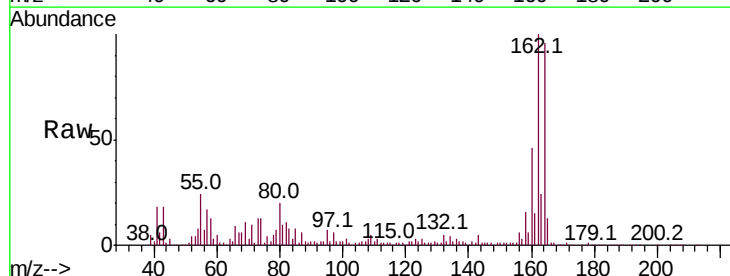
Tgt Ion:164 Resp: 250405

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

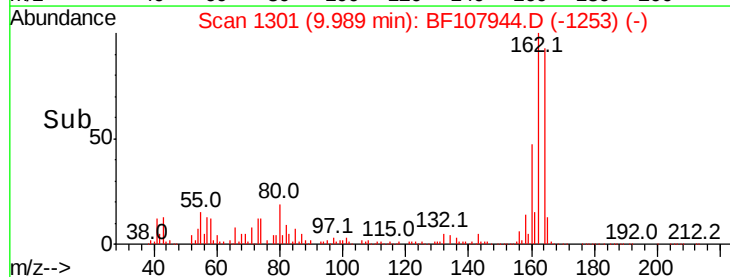
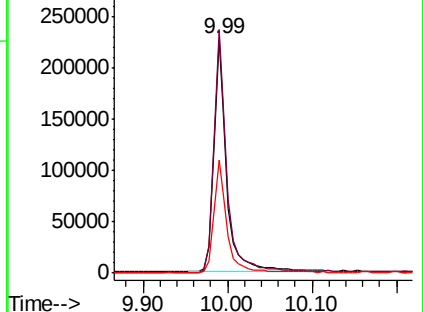
160 48.4 38.3 57.5

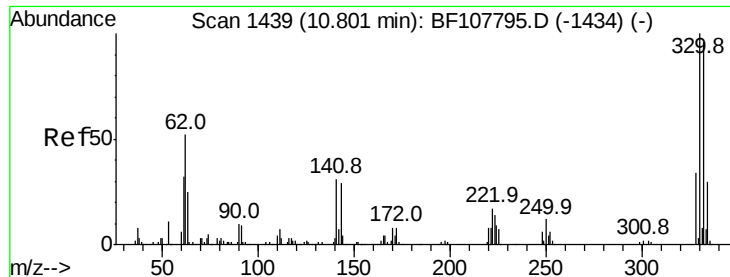


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

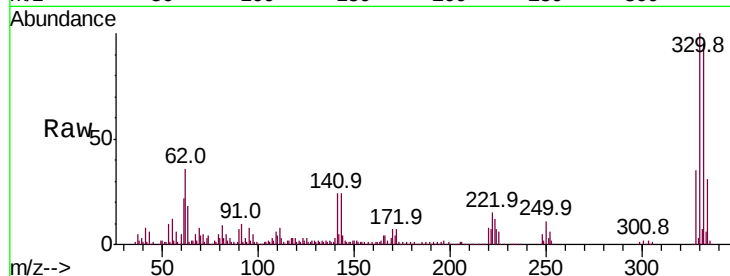




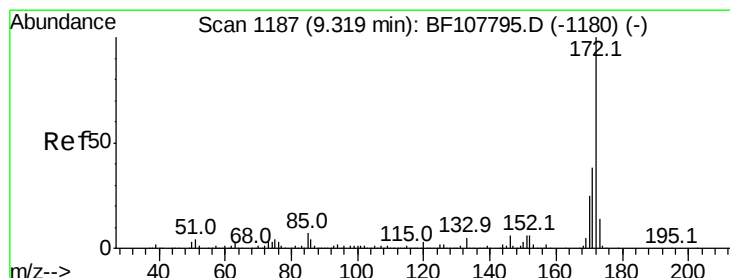
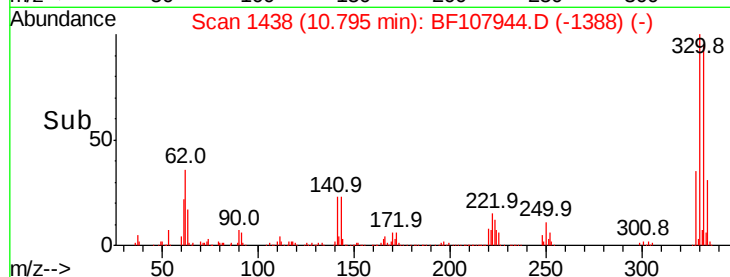
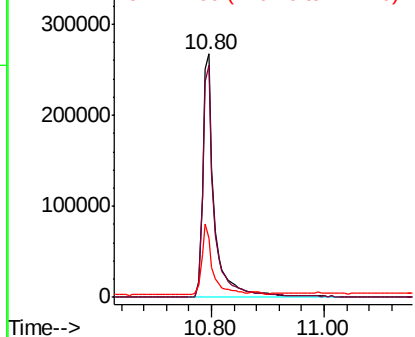
#41
 2,4,6-Tribromophenol
 Concen: 114.459 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107944.D
 Acq: 3 Aug 2018 18:11

Instrument :
 BNA_F
 ClientSampleId :
 OW-2-4

Tot Ion:330 Resp: 389446
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 26.8 29.9 44.9#

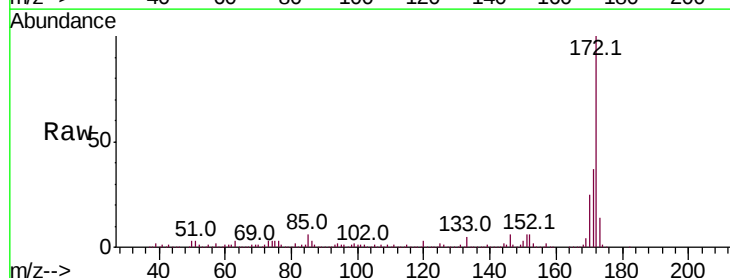


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

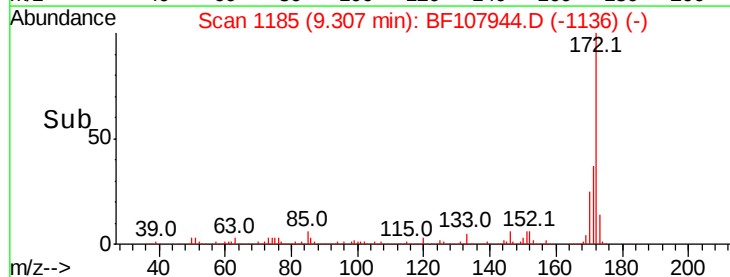
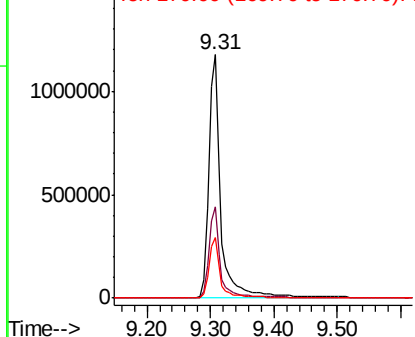


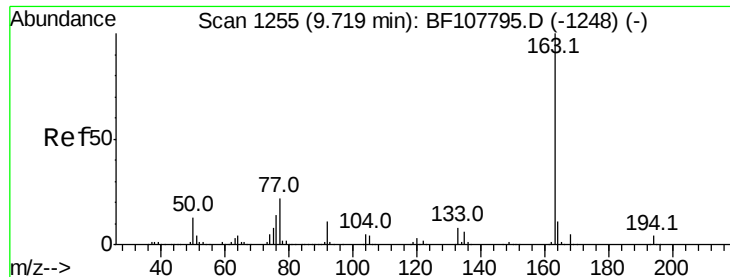
#44
 2-Fluorobiphenyl
 Concen: 87.123 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107944.D
 Acq: 3 Aug 2018 18:11

Tgt Ion:172 Resp: 1565564
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.7 44.5
 170 24.9 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: 7.695 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF107944.D

Acq: 3 Aug 2018 18:11

Instrument :

BNA_F

ClientSampleId :

OW-2-4

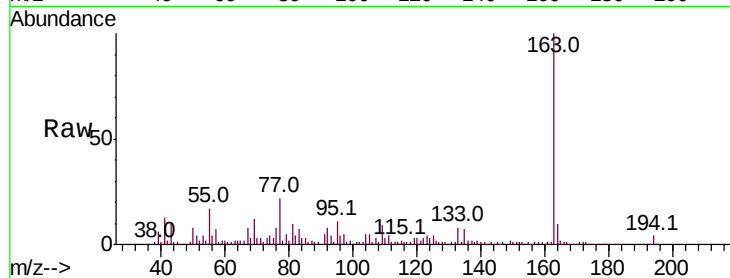
Tot Ion:163 Resp: 144714

Ion Ratio Lower Upper

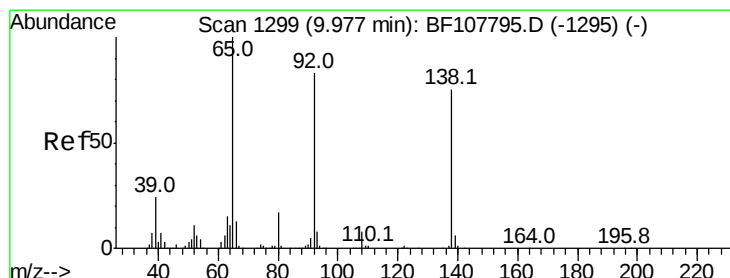
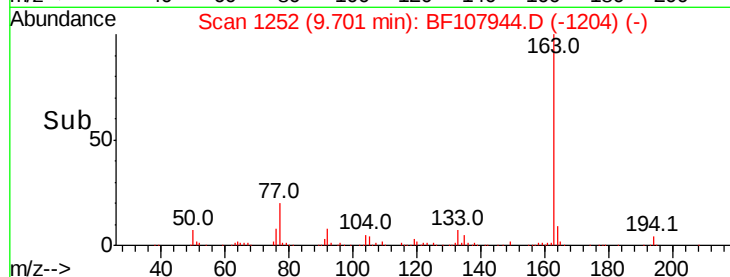
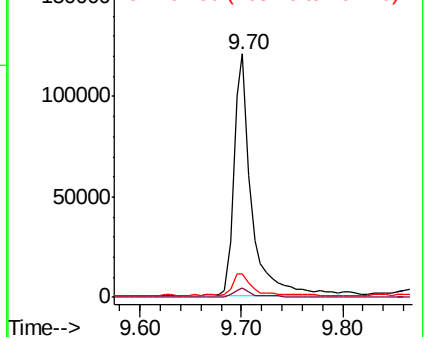
163 100

194 4.0 2.7 4.1

164 9.8 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



#52

3-Nitroaniline

Concen: 2.749 ng

RT: 9.97 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF107944.D

Acq: 3 Aug 2018 18:11

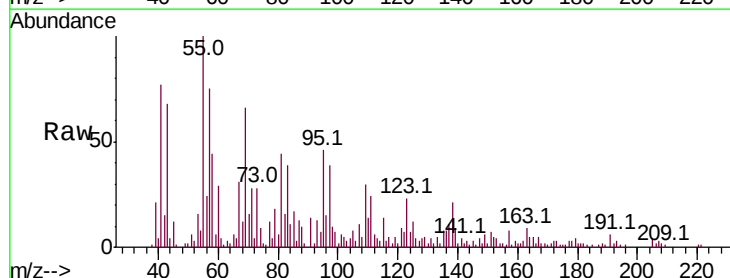
Tgt Ion:138 Resp: 14155

Ion Ratio Lower Upper

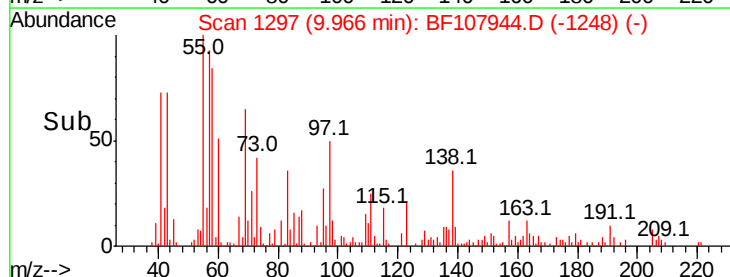
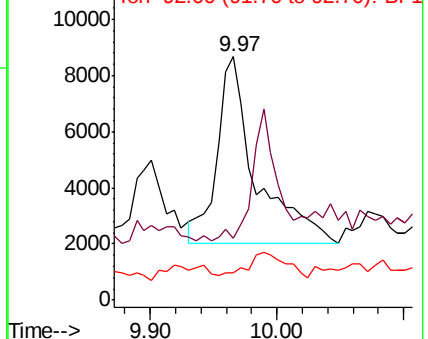
138 100

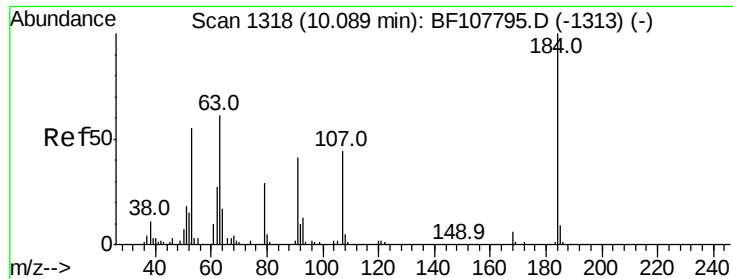
108 25.7 9.4 14.0#

92 11.3 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

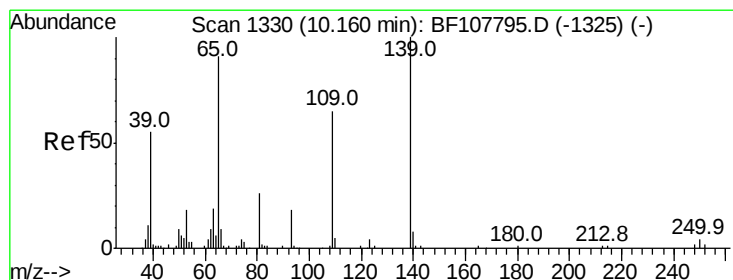
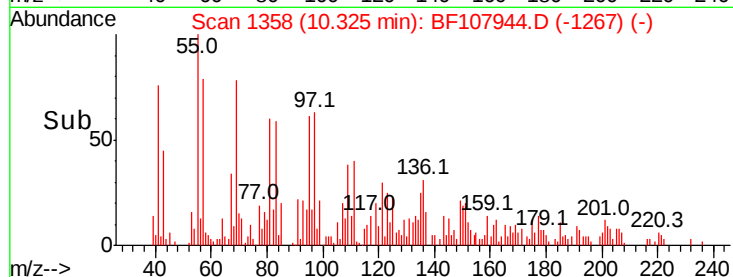
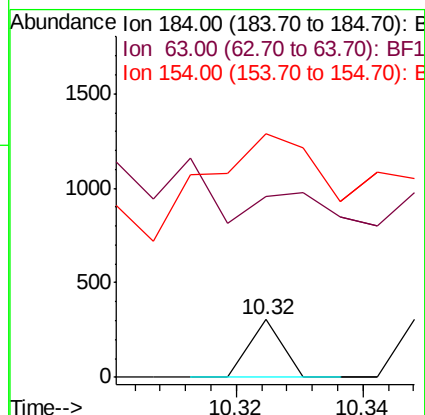
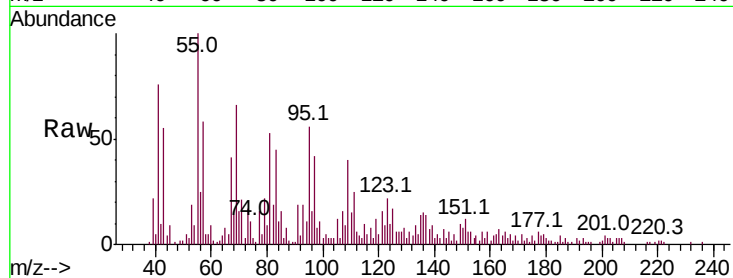




#53
2,4-Dinitrophenol
Concen: 8.485 ng
RT: 10.32 min Scan# 1358
Delta R.T. 0.24 min
Lab File: BF107944.D
Acq: 3 Aug 2018 18:11

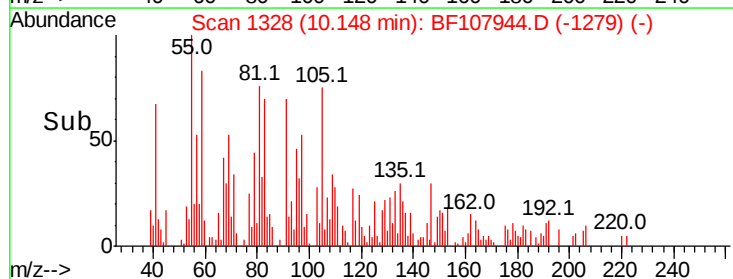
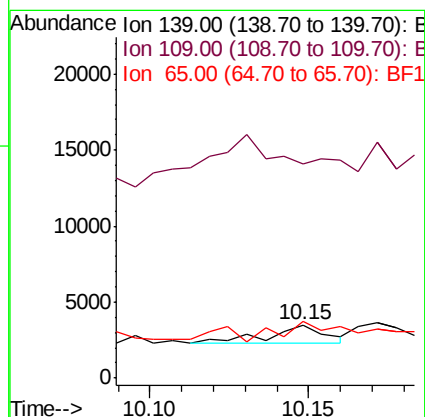
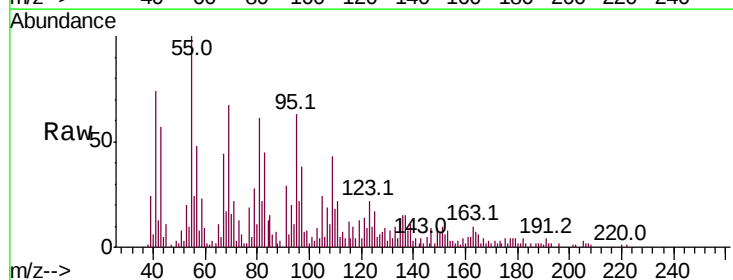
Instrument :
BNA_F
ClientSampleId :
OW-2-4

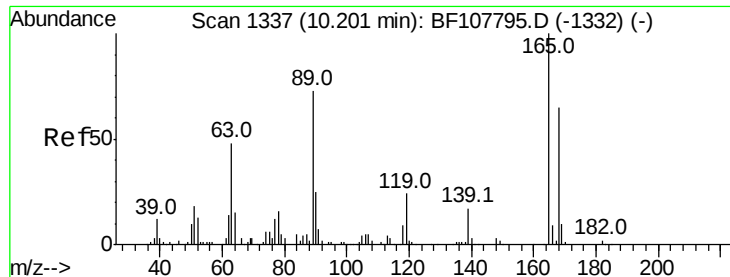
Tot Ion:184 Resp: 108
Ion Ratio Lower Upper
184 100
63 313.8 54.2 81.2#
154 422.3 184.0 276.0#



#55
4-Nitrophenol
Concen: 9.831 ng
RT: 10.15 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF107944.D
Acq: 3 Aug 2018 18:11

Tgt Ion:139 Resp: 1422
Ion Ratio Lower Upper
139 100
109 404.6 48.4 88.4#
65 106.6 72.6 112.6

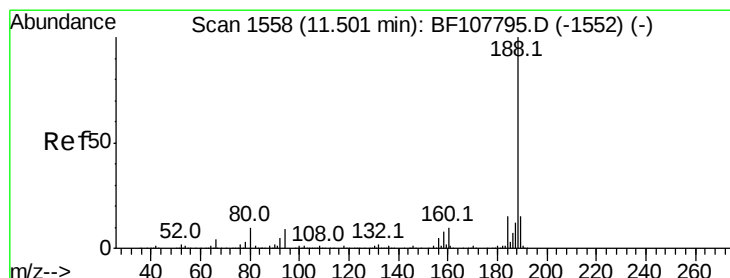
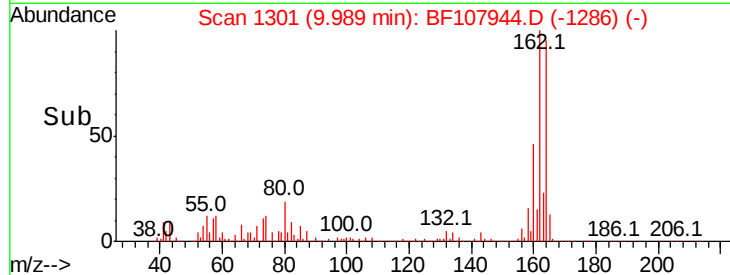
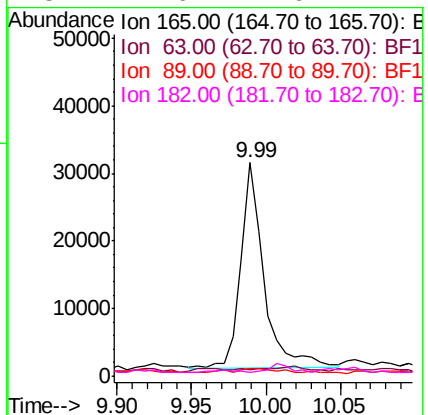
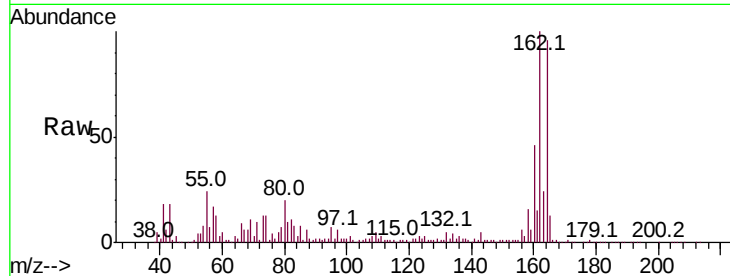




#56
 2,4-Dinitrotoluene
 Concen: 6.170 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.21 min
 Lab File: BF107944.D
 Acq: 3 Aug 2018 18:11

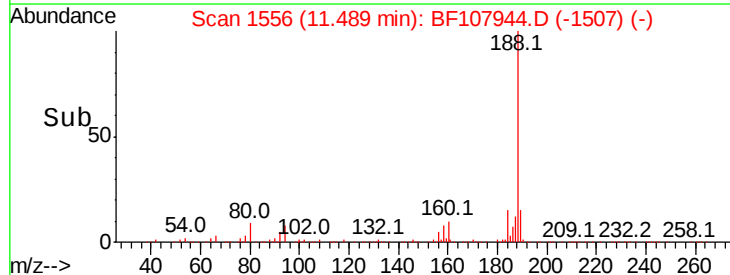
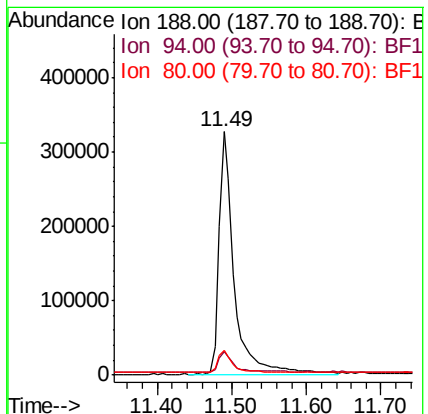
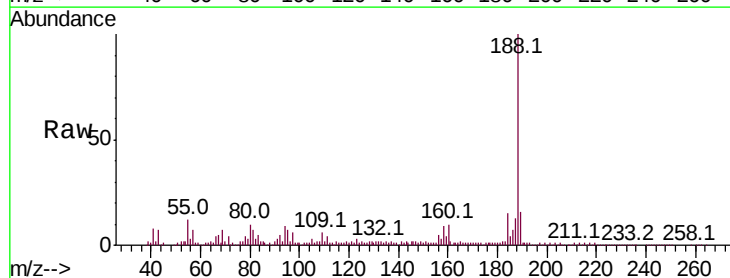
Instrument :
 BNA_F
 ClientSampleID :
 OW-2-4

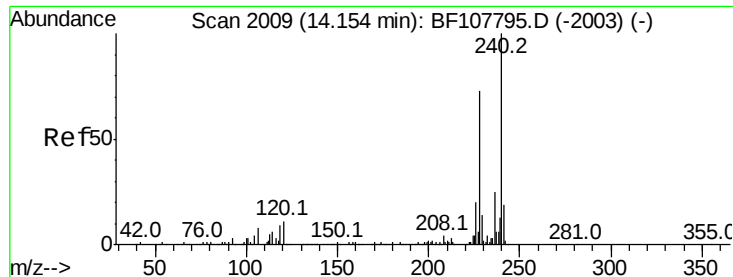
Tot Ion:165	Resp:	33140
Ion Ratio	Lower	Upper
165	100	
63	3.2	36.4 54.6#
89	3.9	57.8 86.6#
182	1.6	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107944.D
 Acq: 3 Aug 2018 18:11

Tgt Ion:188	Resp:	458901
Ion Ratio	Lower	Upper
188	100	
94	9.4	8.5 12.7
80	10.2	9.2 13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107944.D

Acq: 3 Aug 2018 18:11

Instrument :

BNA_F

ClientSampleId :

OW-2-4

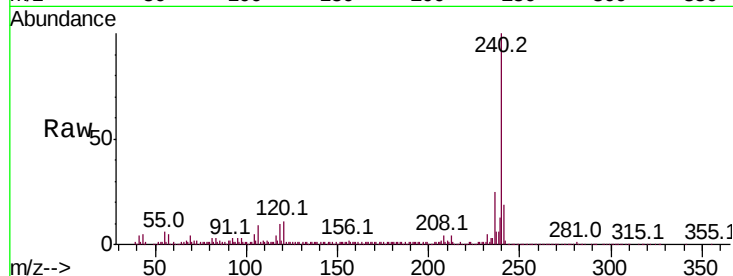
Tot Ion:240 Resp: 305330

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

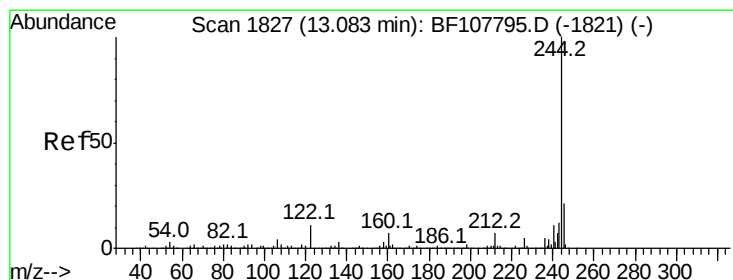
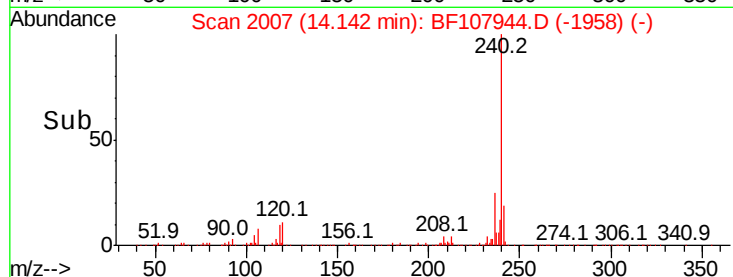
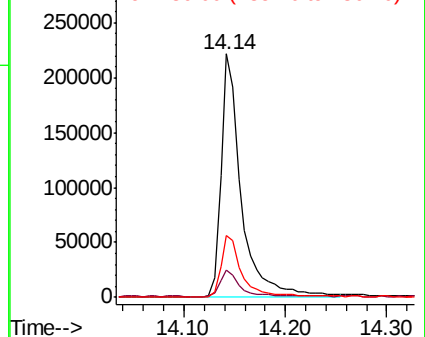
236 25.2 20.7 31.1



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: 83.079 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107944.D

Acq: 3 Aug 2018 18:11

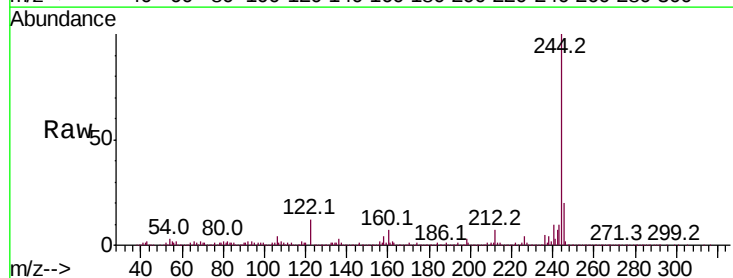
Tgt Ion:244 Resp: 1169806

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

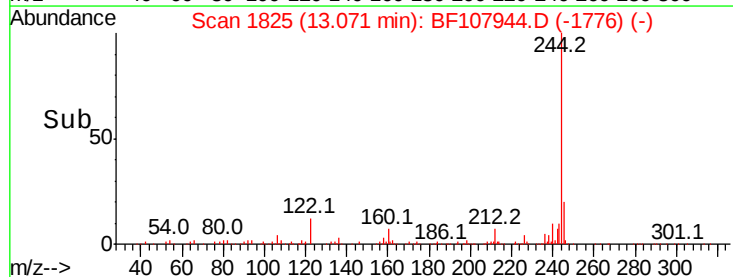
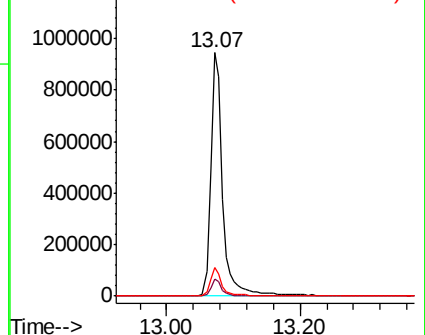
122 12.0 11.0 16.4

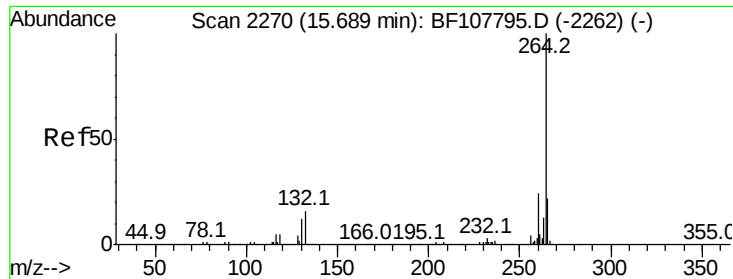


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.68 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: BF107944.D
 Acq: 3 Aug 2018 18:11

Instrument :
 BNA_F
 ClientSampleId :
 OW-2-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.7	17.5	26.3

