

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112618\
 Data File : BF110985.D
 Acq On : 27 Nov 2018 1:09
 Operator : JU/SJ
 Sample : J6030-02 DL10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DTW-03DL

Quant Time: Nov 27 03:00:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 26 15:26:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	52098	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	193500	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	81074	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	148015	20.00	ng	0.00
76) Chrysene-d12	14.14	240	90801	20.00	ng	0.00
87) Perylene-d12	15.67	264	70509	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	22232	7.08	ng	0.02
7) Phenol-d6	6.59	99	19364	4.73	ng	0.02
23) Nitrobenzene-d5	7.51	82	24582	7.27	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	8052	10.00	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	45150	8.07	ng	0.00
79) Terphenyl-d14	13.06	244	41796	8.96	ng	0.00

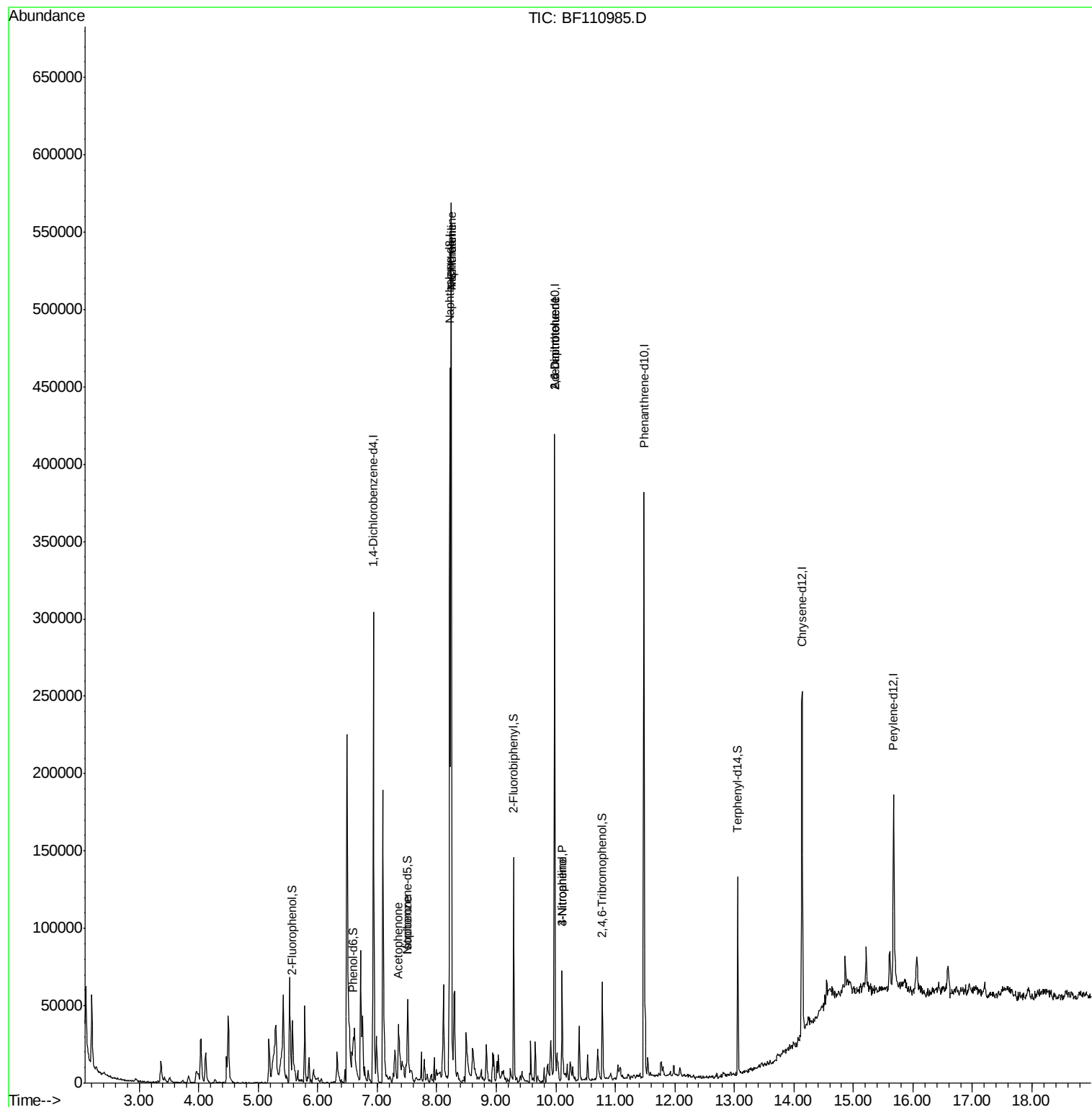
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	461	Below Cal		96
22) Acetophenone	7.36	105	16780	3.700	ng	# 93
25) Isophorone	7.51	82	24582	4.432	ng	# 67
31) Naphthalene	8.25	128	283524	31.258	ng	# 99
33) 4-Chloroaniline	8.25	127	37072	9.603	ng	# 39
51) 2,6-Dinitrotoluene	9.98	165	10416	7.869	ng	# 21
53) 3-Nitroaniline	10.10	138	3291	2.133	ng	# 1
56) 4-Nitrophenol	10.10	139	120	4.370	ng	# 1
57) 2,4-Dinitrotoluene	9.98	165	10416	6.065	ng	# 17

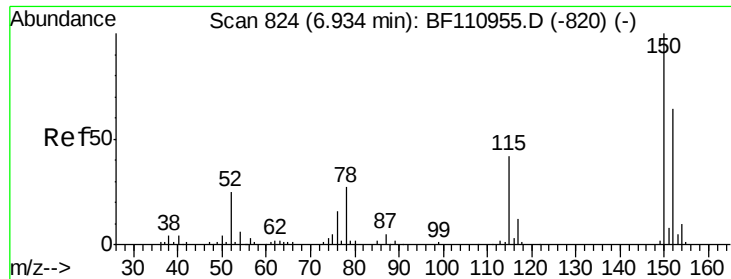
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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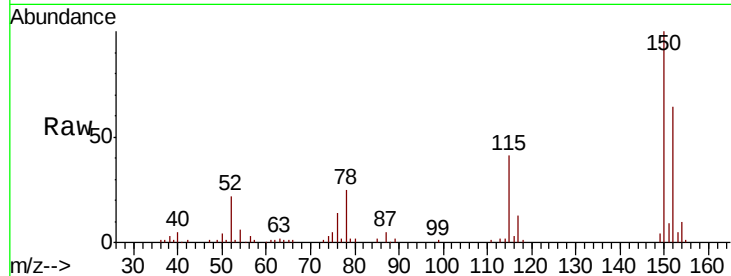




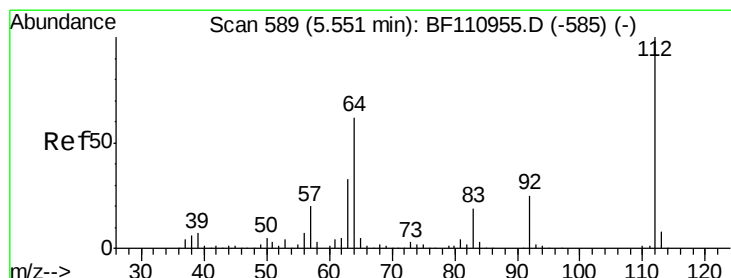
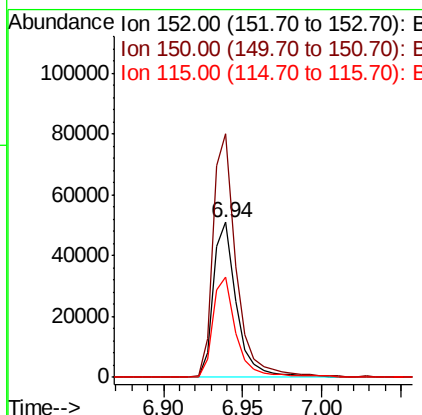
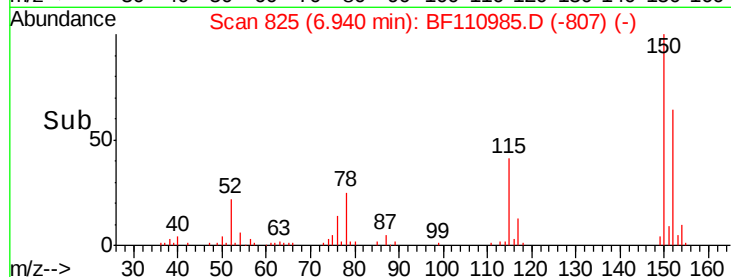
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF110985.D
 Acq: 27 Nov 2018 1:09

Instrument :
 BNA_F
 ClientSampleId :
 DTW-03DL

Tgt Ion:152 Resp: 52098
 Ion Ratio Lower Upper
 152 100
 150 157.1 122.7 184.1
 115 64.9 49.1 73.7

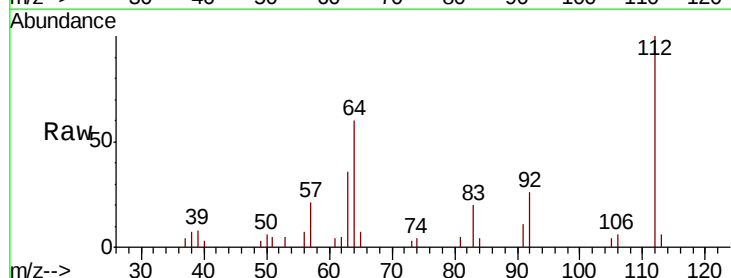


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

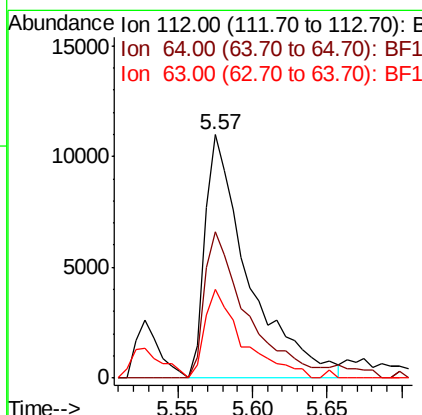
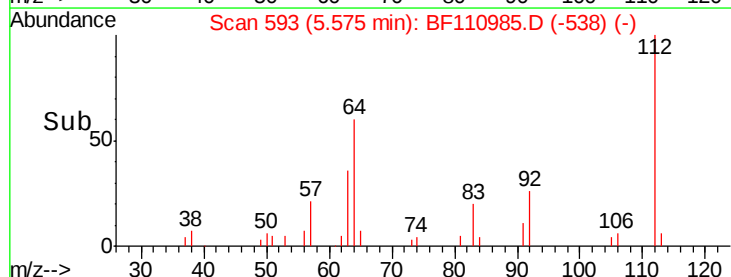


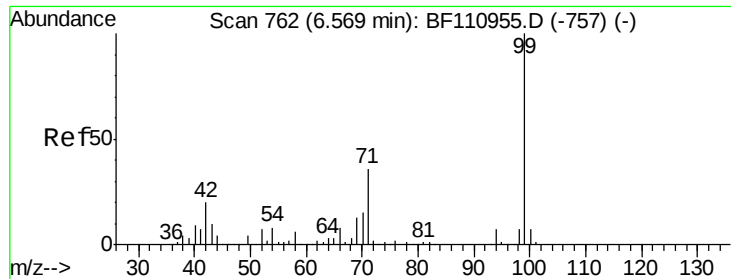
#5
 2-Fluorophenol
 Concen: 7.077 ng
 RT: 5.57 min Scan# 593
 Delta R.T. 0.02 min
 Lab File: BF110985.D
 Acq: 27 Nov 2018 1:09

Tgt Ion:112 Resp: 22232
 Ion Ratio Lower Upper
 112 100
 64 60.3 44.1 66.1
 63 36.2 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: 4.730 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.02 min

Lab File: BF110985.D

Acq: 27 Nov 2018 1:09

Instrument :

BNA_F

ClientSampleId :

DTW-03DL

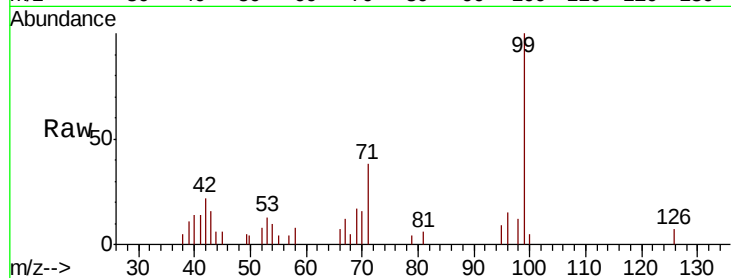
Tgt Ion: 99 Resp: 19364

Ion Ratio Lower Upper

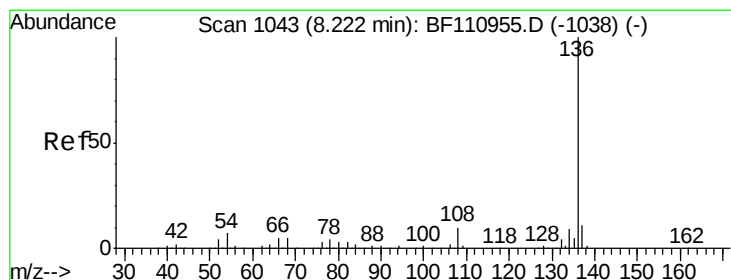
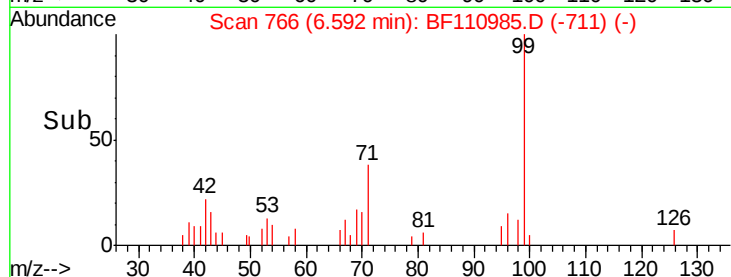
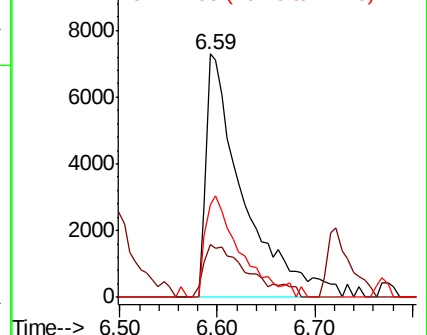
99 100

42 21.8 15.8 23.6

71 37.8 28.0 42.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BF110985.D

Acq: 27 Nov 2018 1:09

Tgt Ion: 136 Resp: 193500

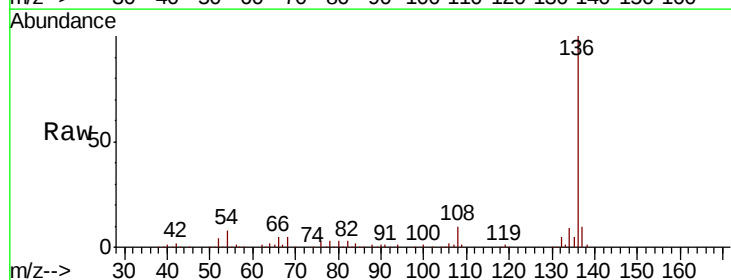
Ion Ratio Lower Upper

136 100

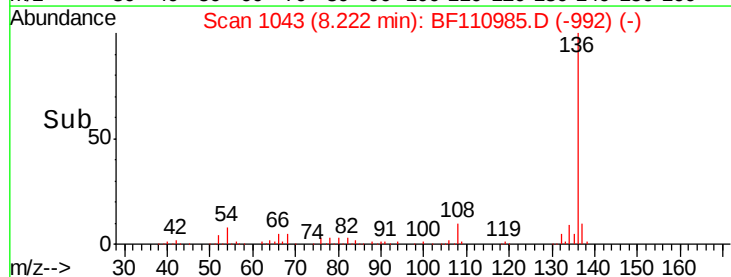
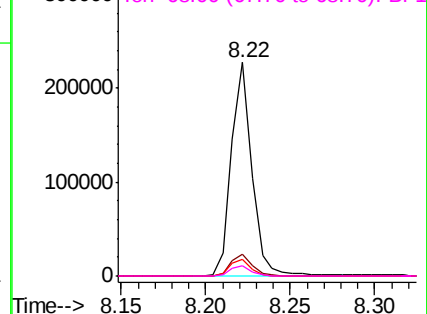
137 10.5 8.8 13.2

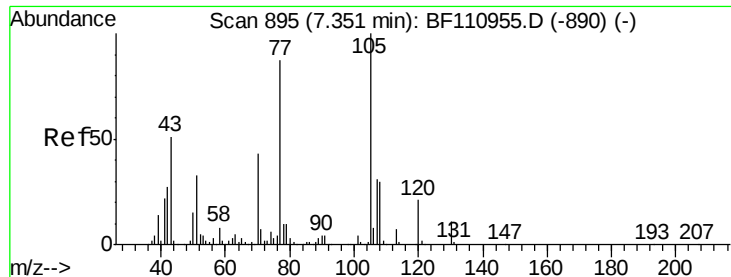
54 7.8 5.4 8.2

68 4.5 4.2 6.2



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: 3.700 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.01 min

Lab File: BF110985.D

Acq: 27 Nov 2018 1:09

Instrument :

BNA_F

ClientSampleId :

DTW-03DL

Tgt Ion: 105 Resp: 16780

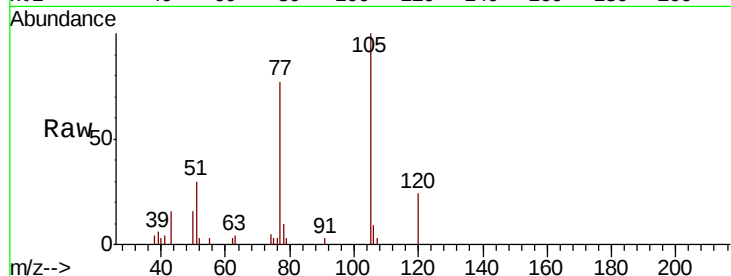
Ion Ratio Lower Upper

105 100

71 0.0 5.2 7.8#

51 29.6 21.8 32.8

120 23.7 17.0 25.4

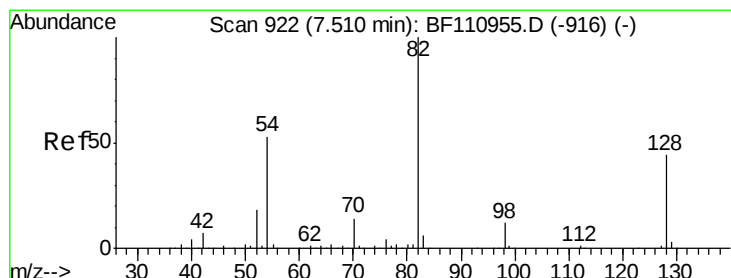
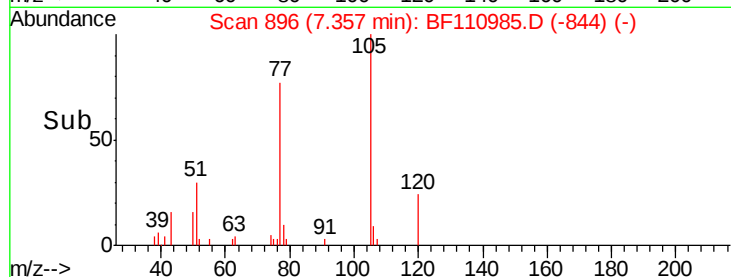
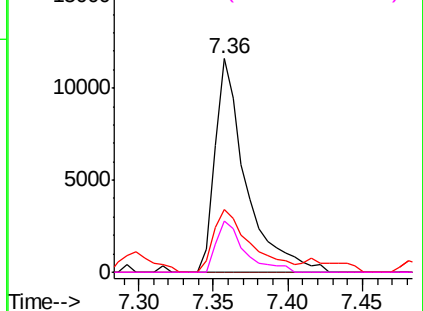


Abundance Ion 105.00 (104.70 to 105.70): E

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: 7.271 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF110985.D

Acq: 27 Nov 2018 1:09

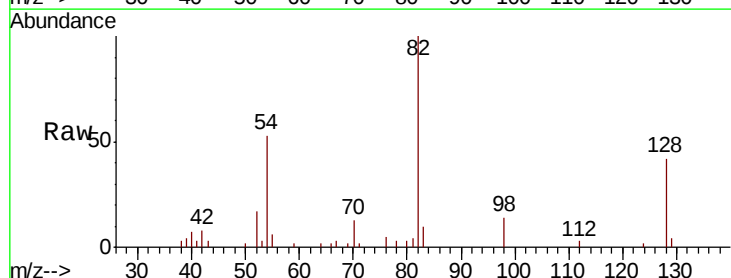
Tgt Ion: 82 Resp: 24582

Ion Ratio Lower Upper

82 100

128 42.3 34.2 51.2

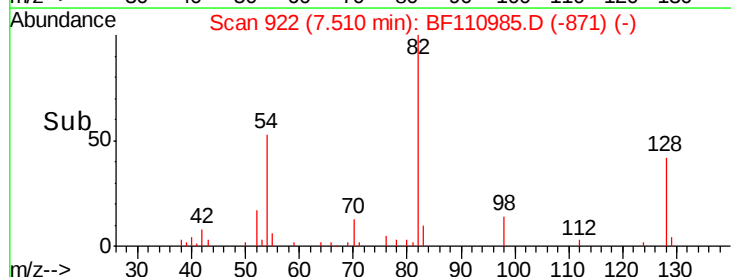
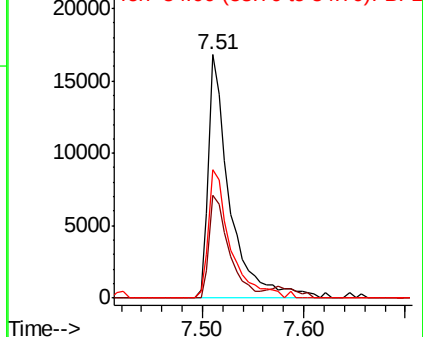
54 52.8 38.6 58.0

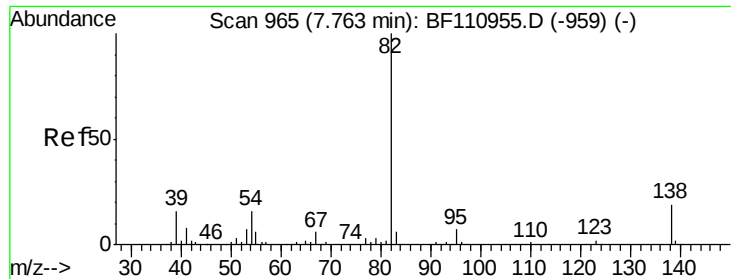


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 4.432 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.25 min

Lab File: BF110985.D

Acq: 27 Nov 2018 1:09

Instrument :

BNA_F

ClientSampleId :

DTW-03DL

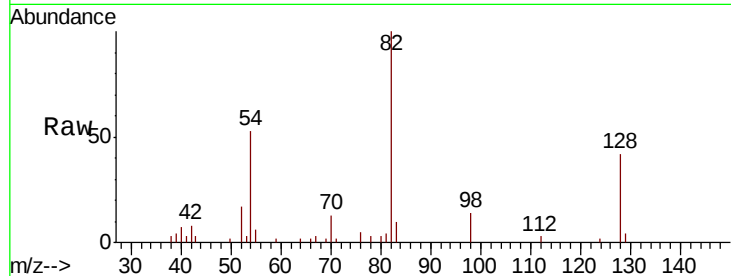
Tgt Ion: 82 Resp: 24582

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

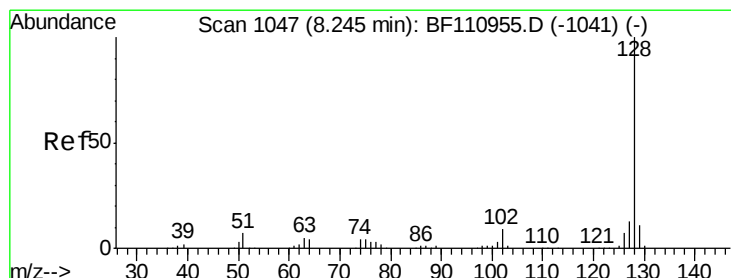
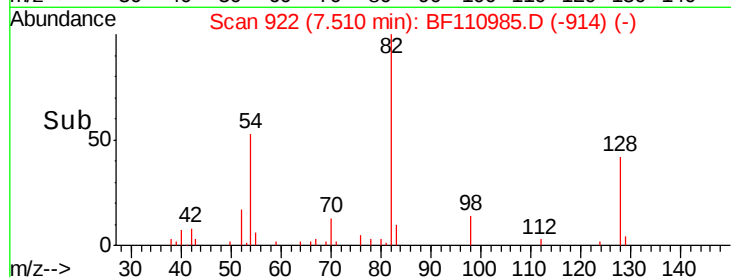
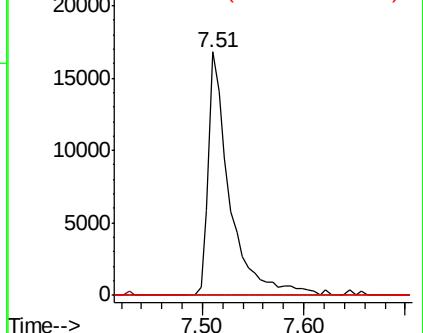
138 0.0 13.2 19.8#



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



#31

Naphthalene

Concen: 31.258 ng

RT: 8.25 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF110985.D

Acq: 27 Nov 2018 1:09

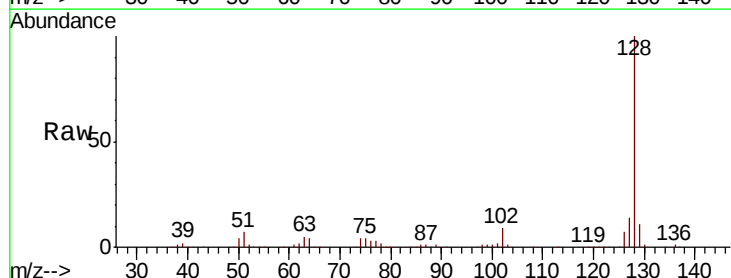
Tgt Ion: 128 Resp: 283524

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

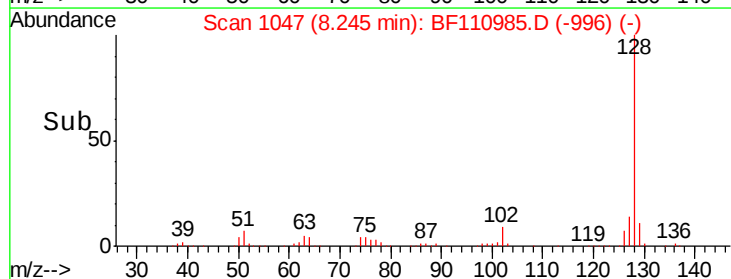
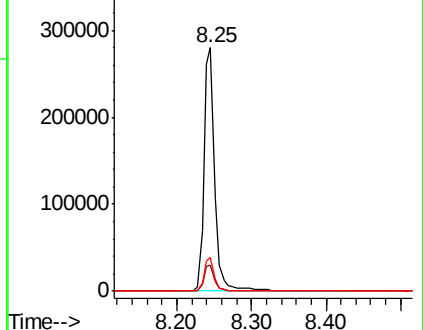
127 13.6 10.8 16.2

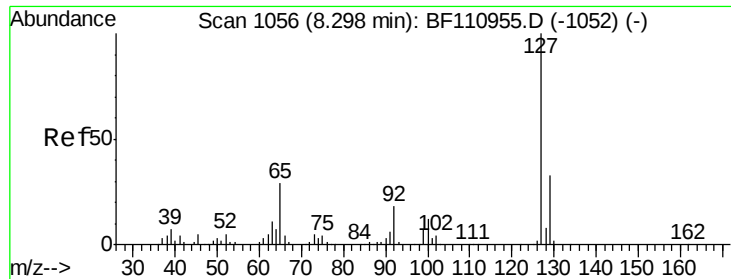


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

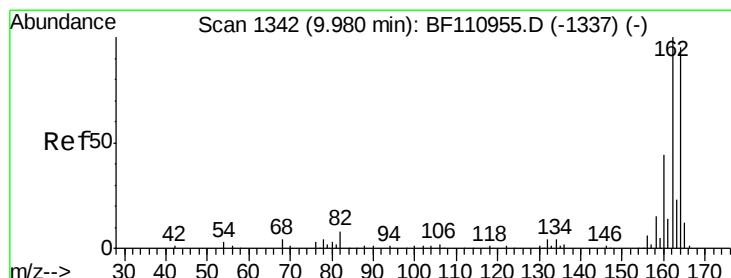
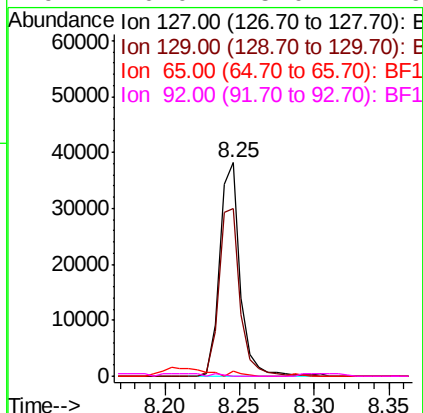
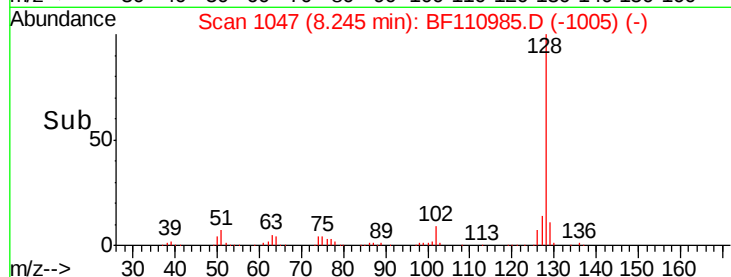
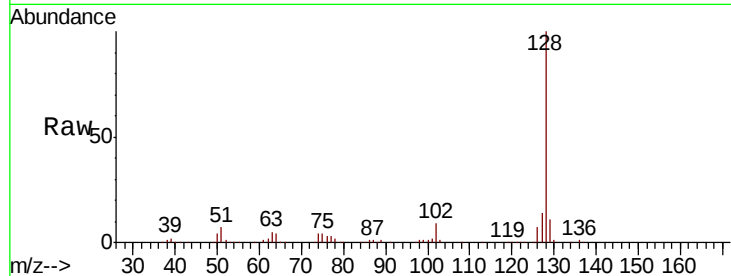




#33
 4-Chloroaniline
 Concen: 9.603 ng
 RT: 8.25 min Scan# 1047
 Delta R.T. -0.05 min
 Lab File: BF110985.D
 Acq: 27 Nov 2018 1:09

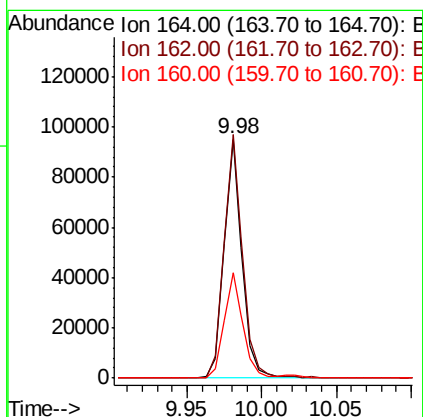
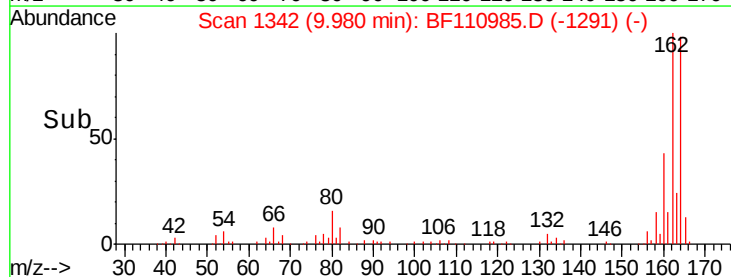
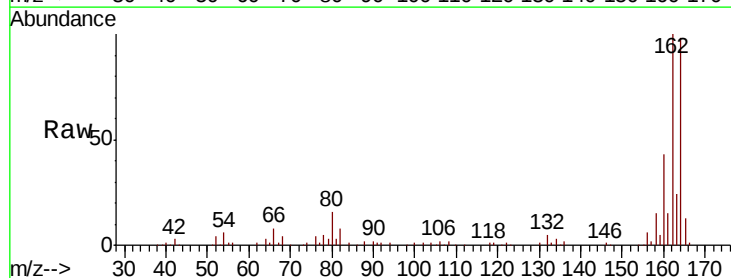
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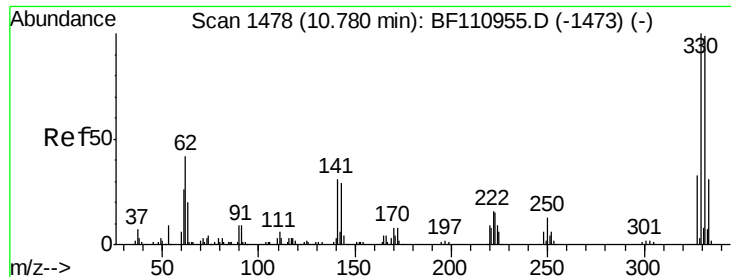
Tgt Ion:127 Resp: 37072
 Ion Ratio Lower Upper
 127 100
 129 78.5 26.0 39.0#
 65 2.7 25.1 37.7#
 92 0.0 15.0 22.6#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: BF110985.D
 Acq: 27 Nov 2018 1:09

Tgt Ion:164 Resp: 81074
 Ion Ratio Lower Upper
 164 100
 162 102.0 83.0 124.6
 160 44.3 37.0 55.6

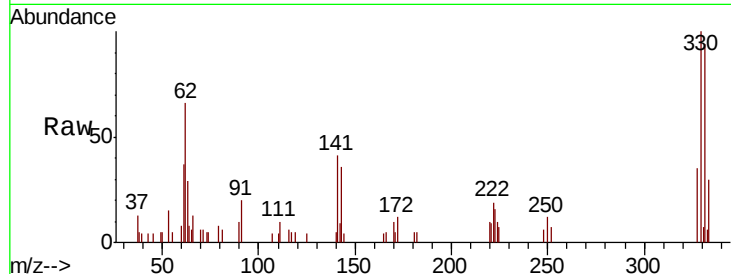




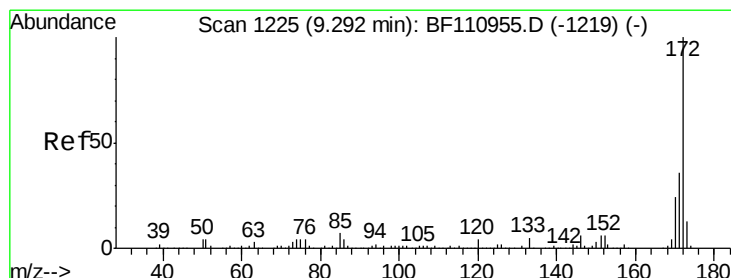
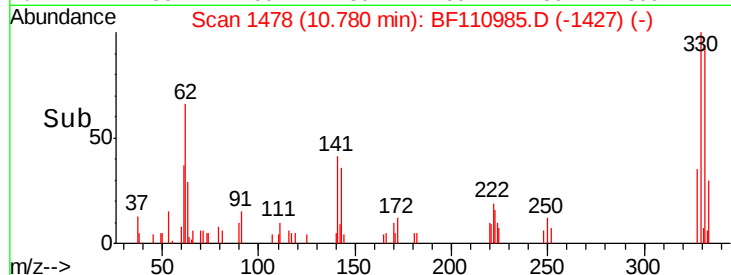
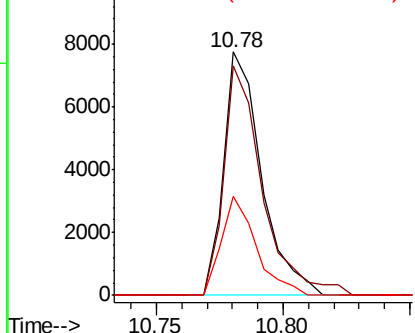
#42
 2,4,6-Tribromophenol
 Concen: 10.000 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: BF110985.D
 Acq: 27 Nov 2018 1:09

Instrument :
 BNA_F
 ClientSampleId :
 DTW-03DL

Tgt Ion:330 Resp: 8052
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.1 115.7
 141 37.5 27.0 40.4

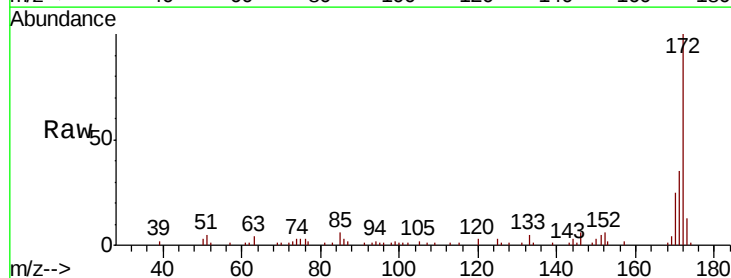


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

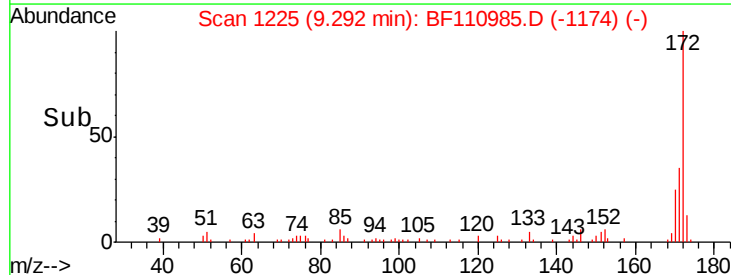
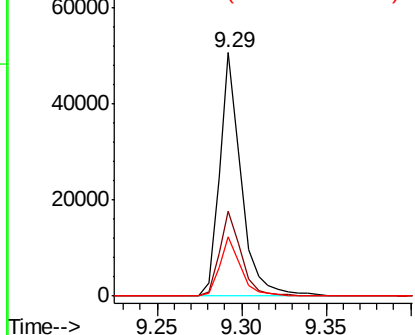


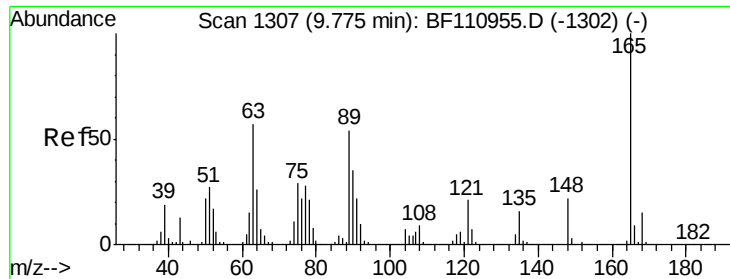
#45
 2-Fluorobiphenyl
 Concen: 8.068 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: BF110985.D
 Acq: 27 Nov 2018 1:09

Tgt Ion:172 Resp: 45150
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 24.6 19.7 29.5



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





#51

2,6-Dinitrotoluene

Concen: 7.869 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF110985.D

Acq: 27 Nov 2018 1:09

Instrument :

BNA_F

ClientSampleId :

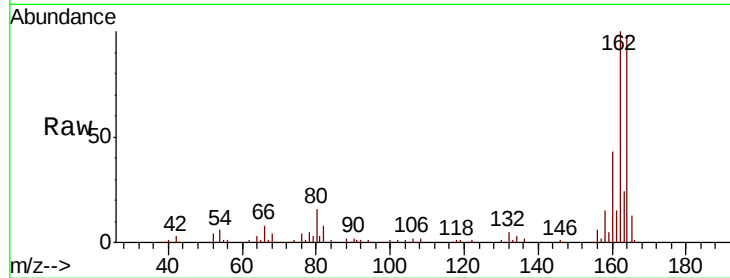
DTW-03DL

Tgt Ion:165 Resp: 10416
Ion Ratio Lower Upper

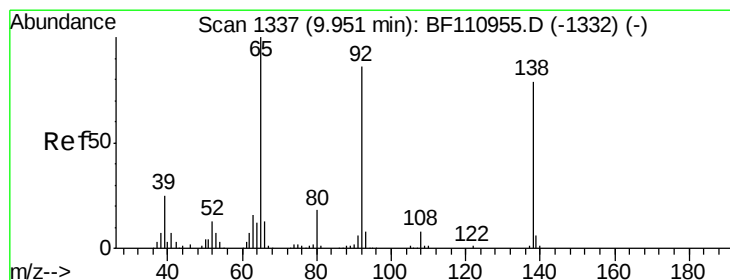
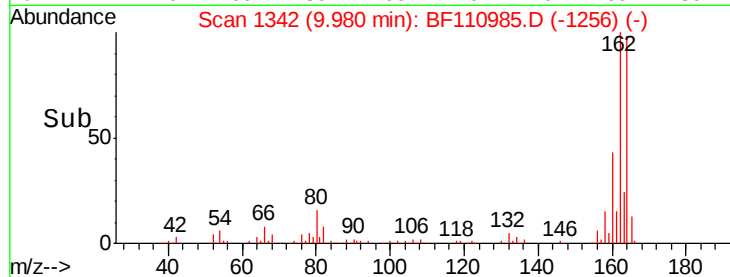
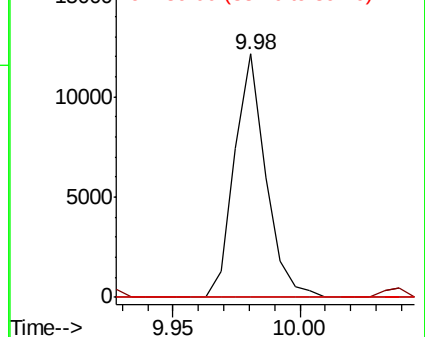
165 100

63 0.0 48.9 73.3#

89 0.0 46.6 69.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#53

3-Nitroaniline

Concen: 2.133 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.15 min

Lab File: BF110985.D

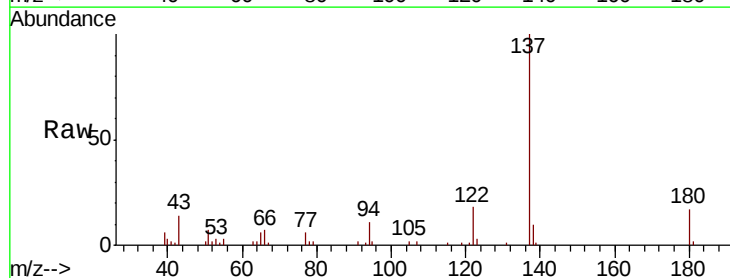
Acq: 27 Nov 2018 1:09

Tgt Ion:138 Resp: 3291
Ion Ratio Lower Upper

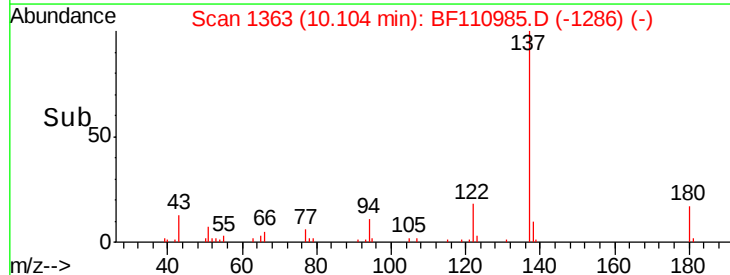
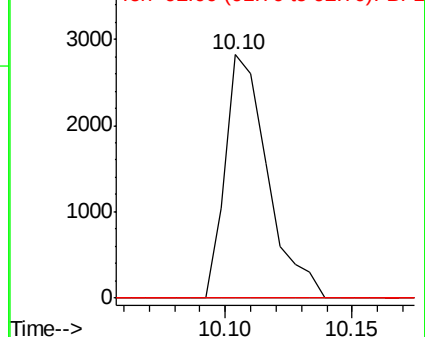
138 100

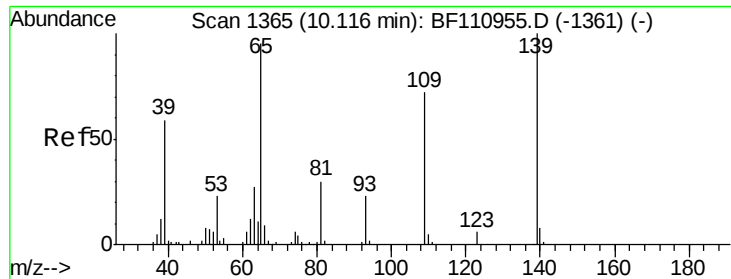
108 0.0 8.7 13.1#

92 0.0 97.0 145.4#



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

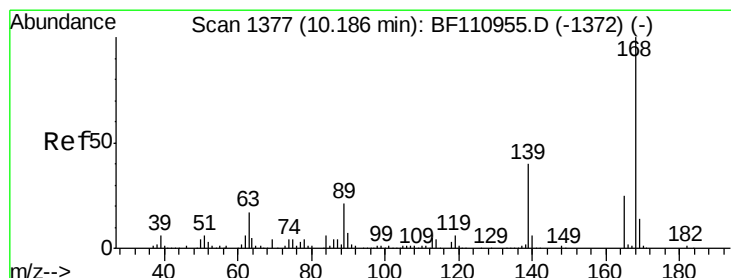
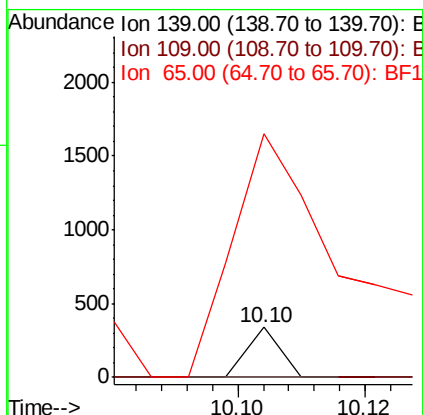
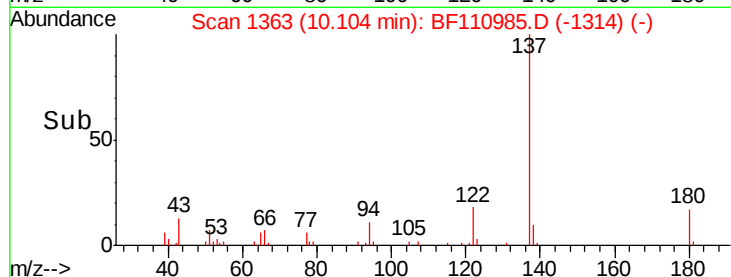
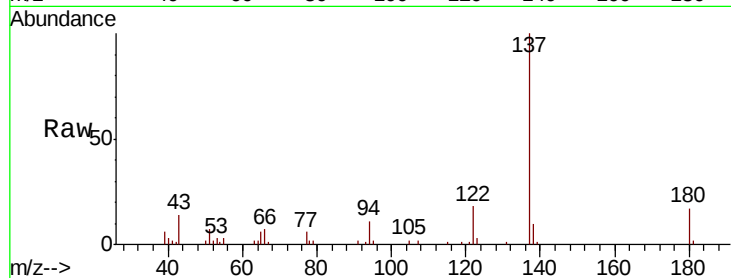




#56
4-Nitrophenol
Concen: 4.370 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF110985.D
Acq: 27 Nov 2018 1:09

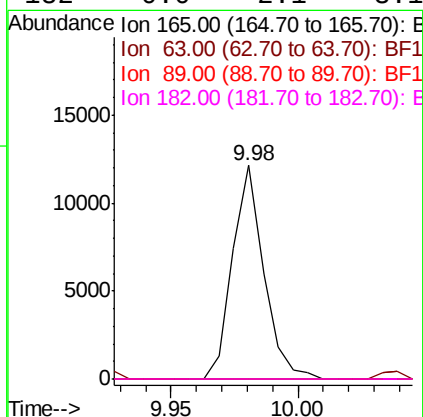
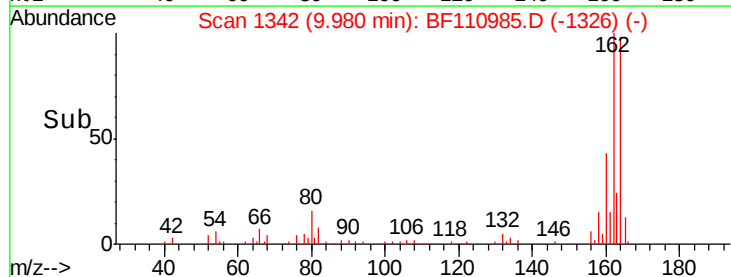
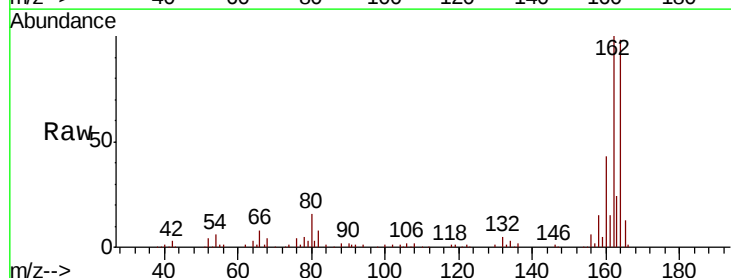
Instrument :
BNA_F
ClientSampleId :
DTW-03DL

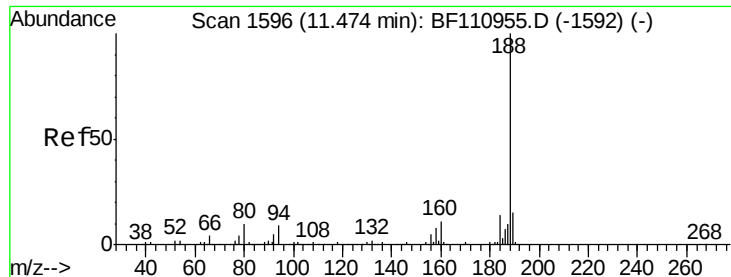
Tgt Ion:139 Resp: 120
Ion Ratio Lower Upper
139 100
109 0.0 55.8 95.8#
65 485.6 77.9 117.9#



#57
2,4-Dinitrotoluene
Concen: 6.065 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF110985.D
Acq: 27 Nov 2018 1:09

Tgt Ion:165 Resp: 10416
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 0.0 62.2 93.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF110985.D

Acq: 27 Nov 2018 1:09

Instrument :

BNA_F

ClientSampleId :

DTW-03DL

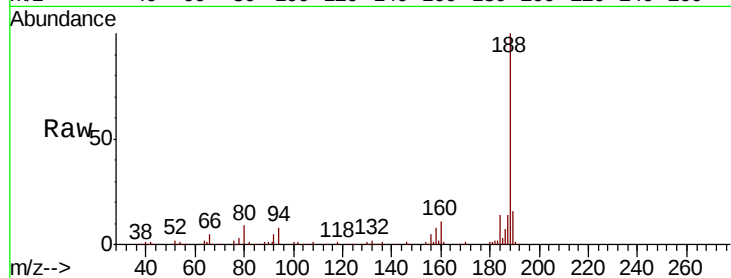
Tgt Ion:188 Resp: 148015

Ion Ratio Lower Upper

188 100

94 7.8 7.2 10.8

80 8.7 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.48

200000

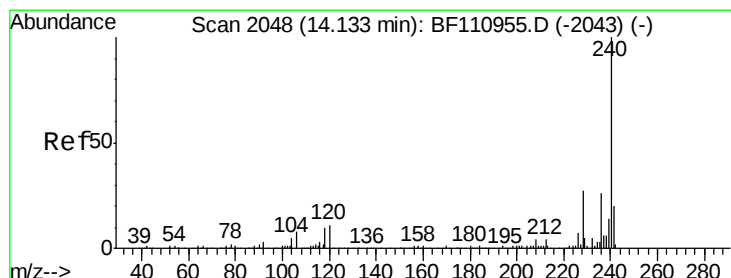
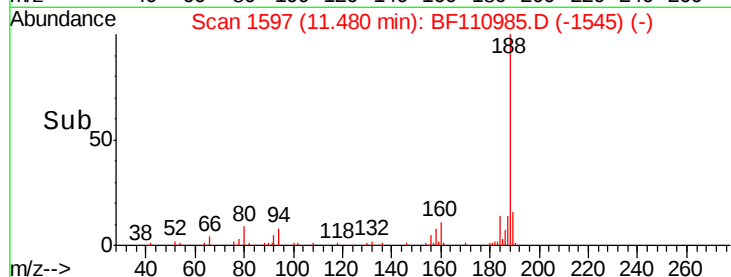
150000

100000

50000

0

Time--> 11.40 11.50 11.60



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2049

Delta R.T. 0.01 min

Lab File: BF110985.D

Acq: 27 Nov 2018 1:09

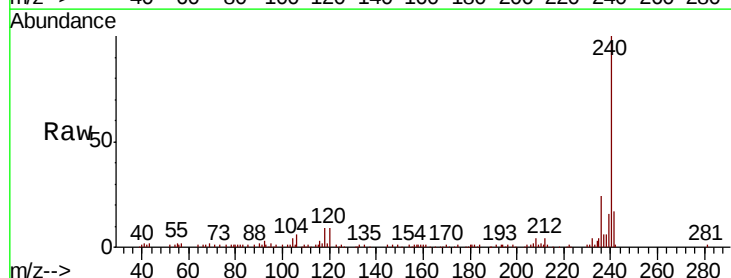
Tgt Ion:240 Resp: 90801

Ion Ratio Lower Upper

240 100

120 9.0 8.3 12.5

236 24.4 21.2 31.8



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

14.14

100000

80000

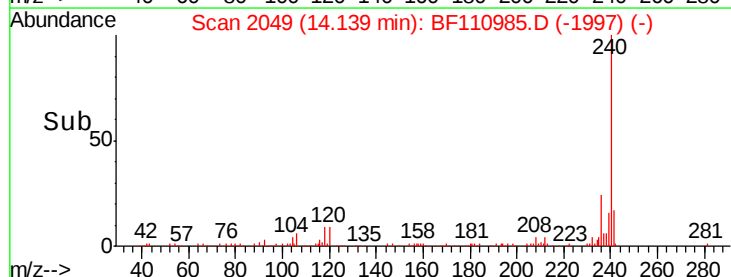
60000

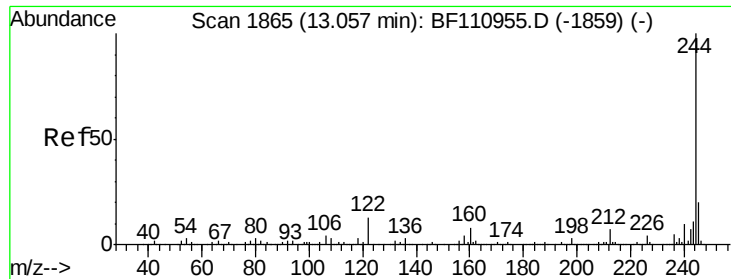
40000

20000

0

Time--> 14.10 14.20





#79

Terphenyl-d14

Concen: 8.960 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BF110985.D

Acq: 27 Nov 2018 1:09

Instrument :

BNA_F

ClientSampleId :

DTW-03DL

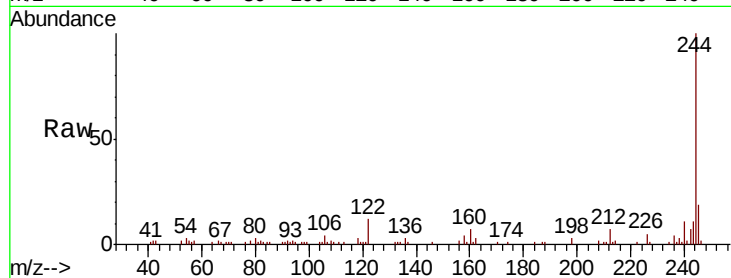
Tgt Ion:244 Resp: 41796

Ion Ratio Lower Upper

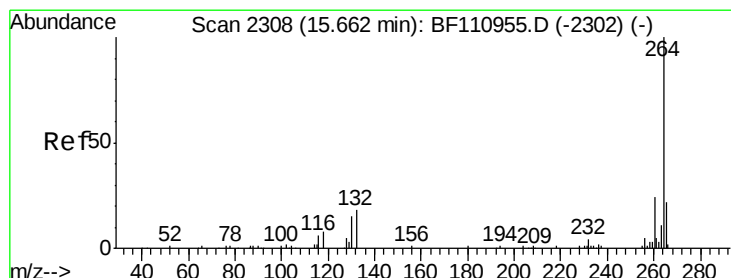
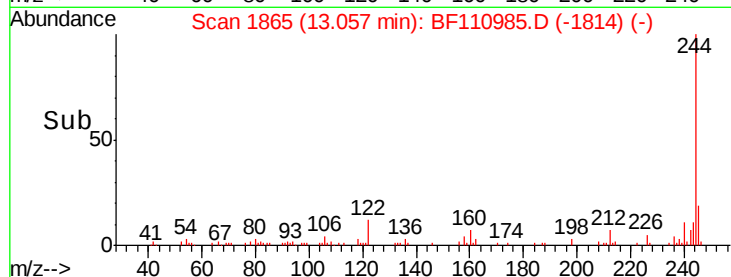
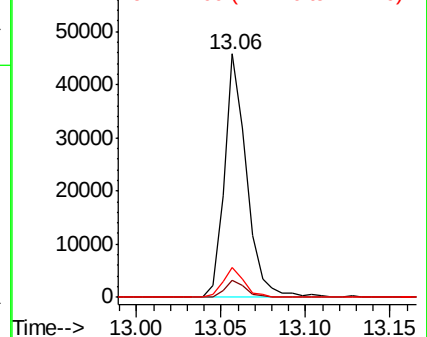
244 100

212 6.9 5.8 8.8

122 12.2 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF110985.D

Acq: 27 Nov 2018 1:09

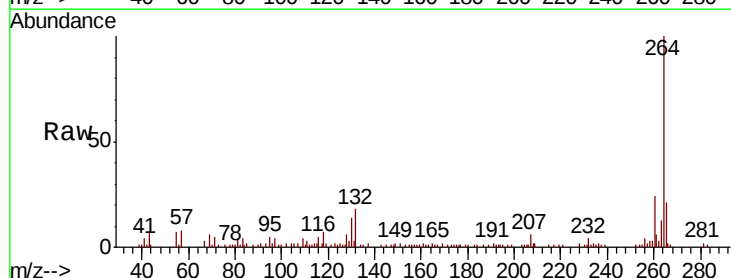
Tgt Ion:264 Resp: 70509

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 21.4 16.7 25.1



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

