

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102925.D
 Acq On : 12 Feb 2018 17:22
 Operator : SJ/JU
 Sample : J1520-01 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 01:04:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

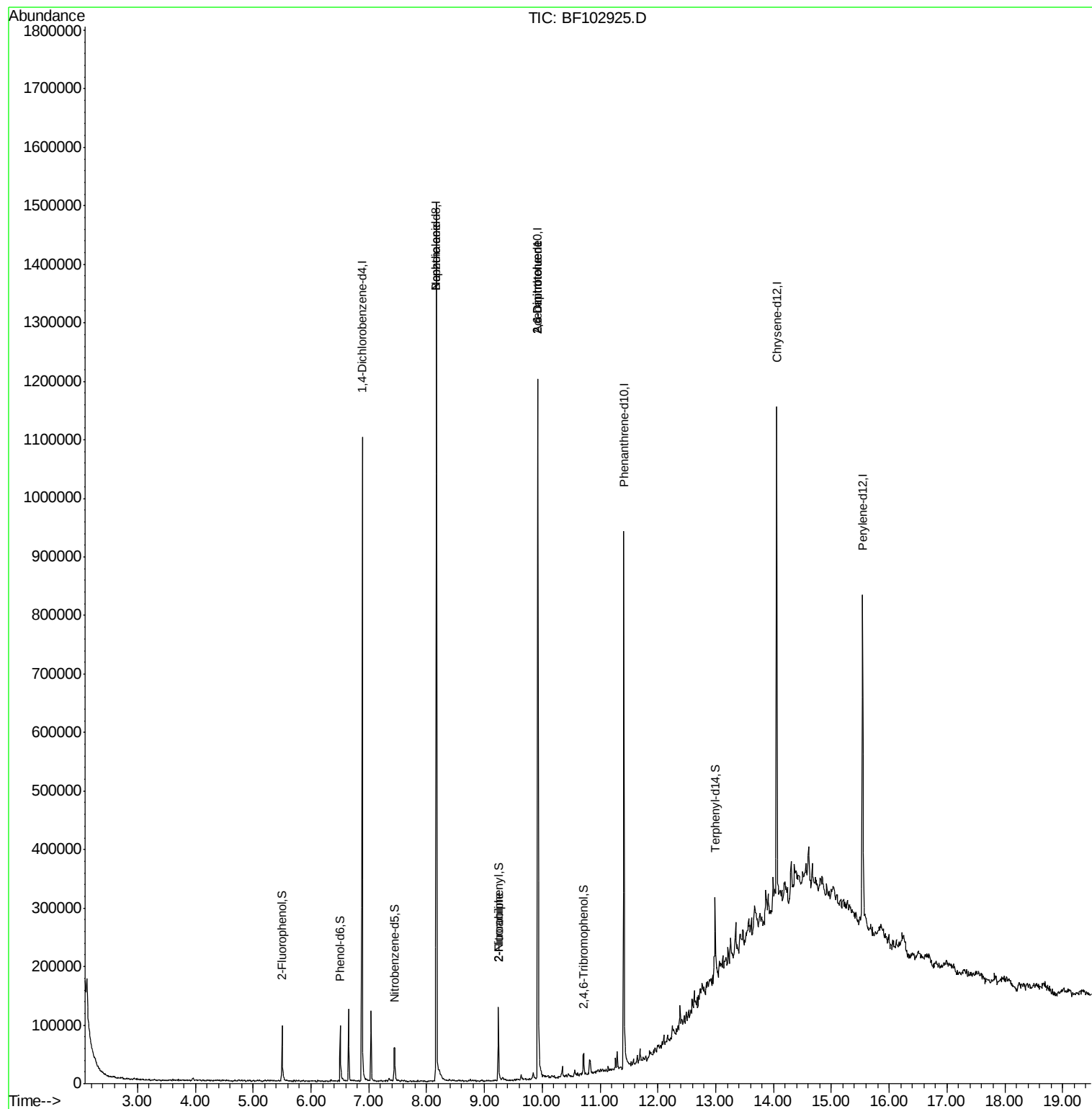
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	163305	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	648758	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	254976	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	355610	20.00	ng	0.00
75) Chrysene-d12	14.06	240	305790	20.00	ng	0.00
86) Perylene-d12	15.54	264	268411	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	29379	2.73	ng	0.00
7) Phenol-d6	6.50	99	35237	2.72	ng	0.00
23) Nitrobenzene-d5	7.45	82	21808	2.33	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	4595	2.24	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	44562	2.90	ng	0.00
78) Terphenyl-d14	12.99	244	31580	2.45	ng	0.00
Target Compounds						
32) Benzoic acid	8.17	122	112	8.56	ng	# 1
47) 2-Nitroaniline	9.24	65	141	3.50	ng	# 28
50) 2,6-Dinitrotoluene	9.92	165	31047	8.21	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	31169	8.83	ng	# 23

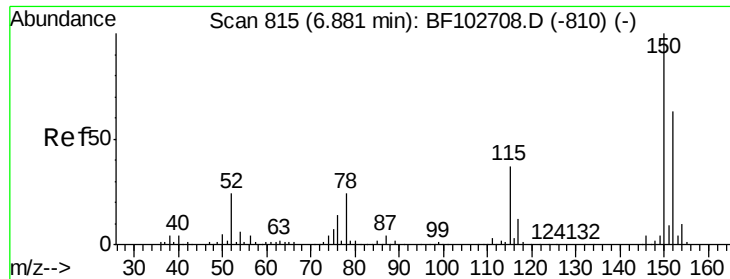
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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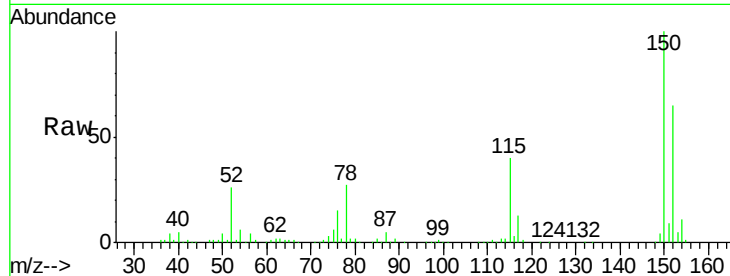


#1

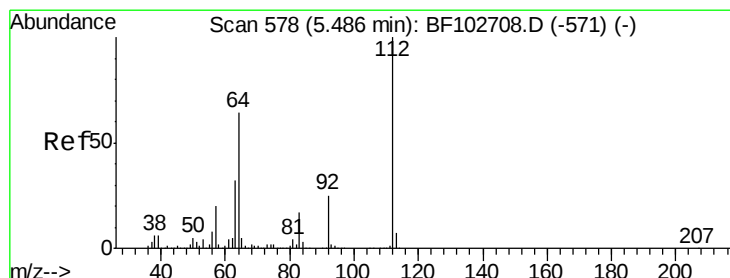
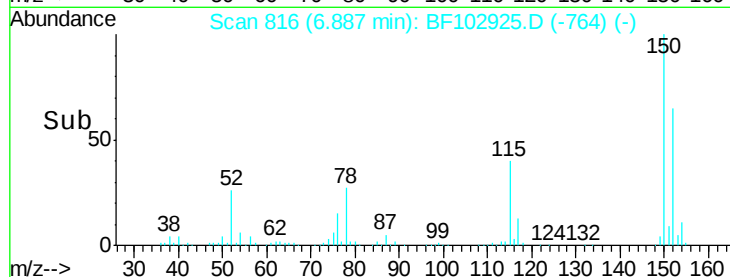
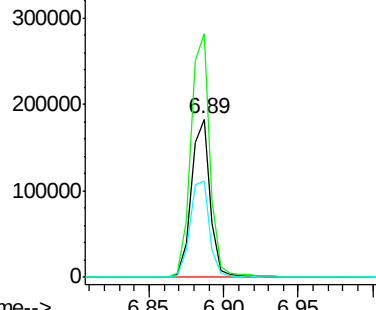
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102925.D
Acq: 12 Feb 2018 17:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 163305
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 60.9 50.1 75.1



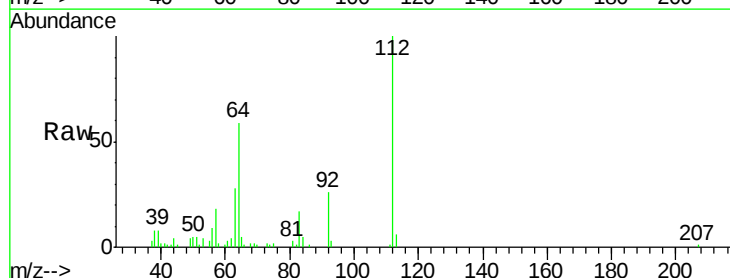
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



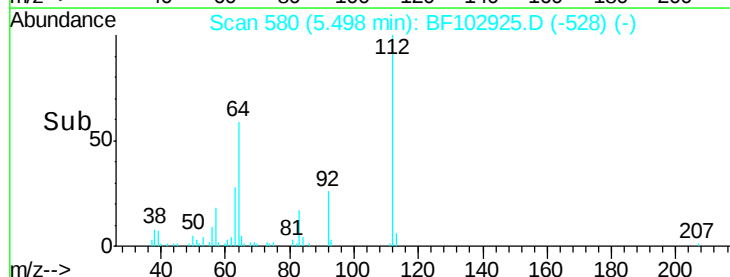
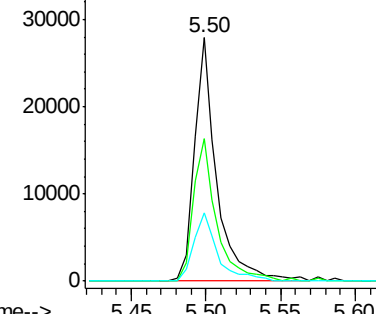
#5

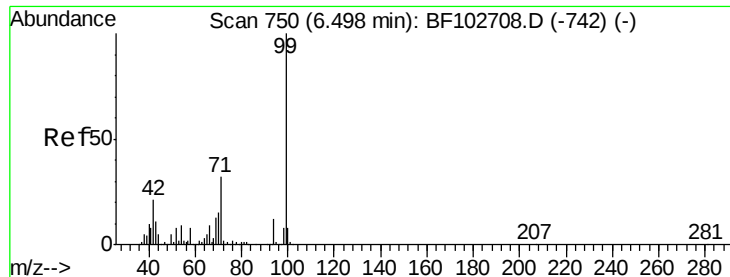
2-Fluorophenol
Concen: 2.73 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102925.D
Acq: 12 Feb 2018 17:22

Tgt Ion:112 Resp: 29379
Ion Ratio Lower Upper
112 100
64 58.6 47.9 71.9
63 27.9 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: 2.72 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF102925.D

Acq: 12 Feb 2018 17:22

Instrument :

BNA_F

ClientSampleId :

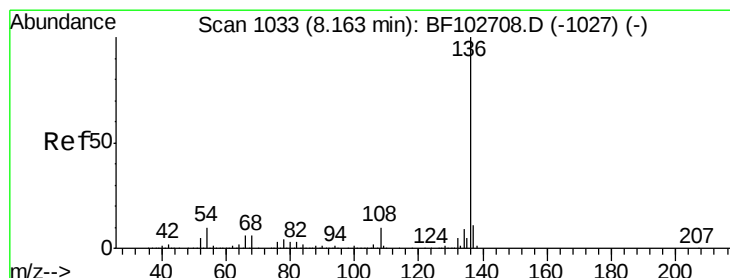
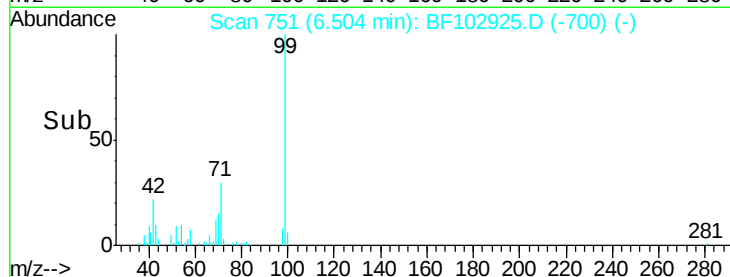
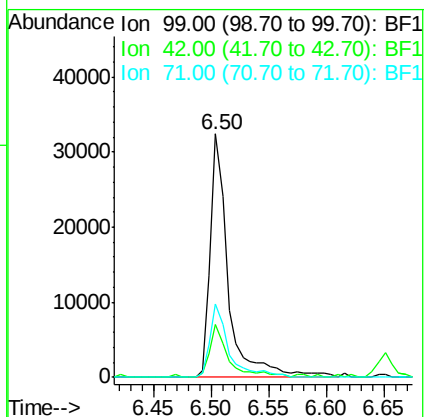
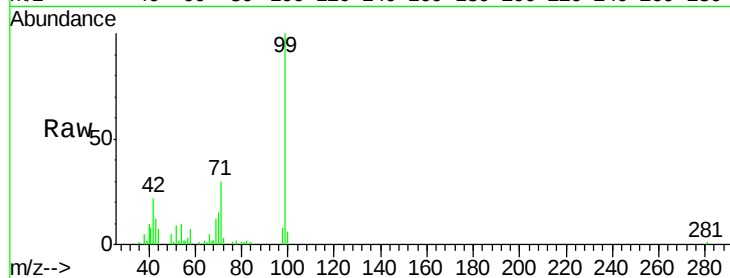
Tot Ion: 99 Resp: 35237

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

71 30.3 25.4 38.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF102925.D

Acq: 12 Feb 2018 17:22

Tgt Ion: 136 Resp: 648758

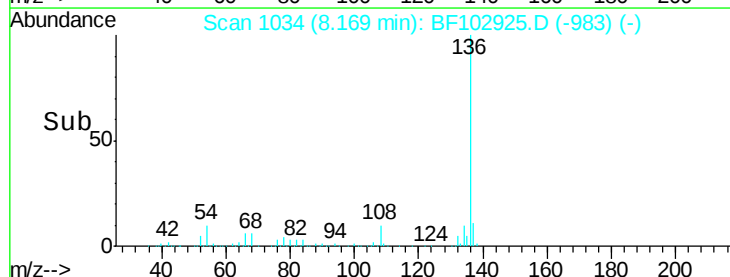
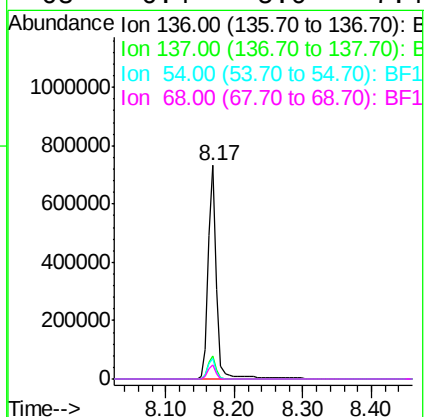
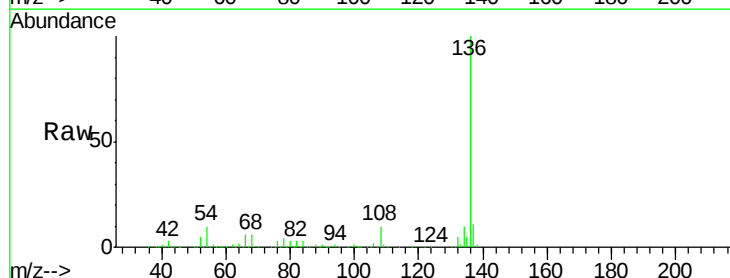
Ion Ratio Lower Upper

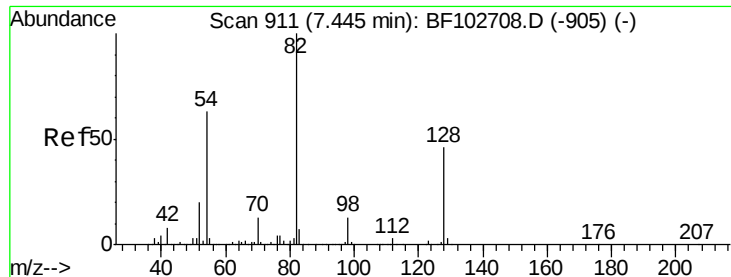
136 100

137 11.1 8.9 13.3

54 9.6 6.6 9.8

68 6.4 5.0 7.4

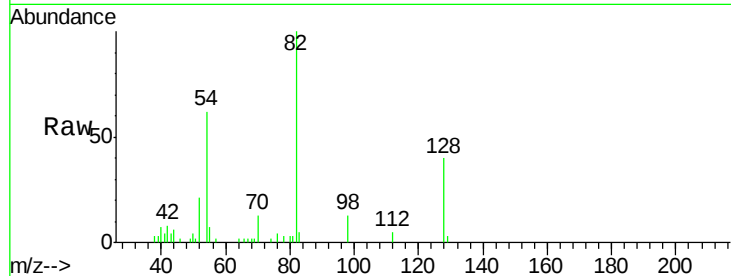




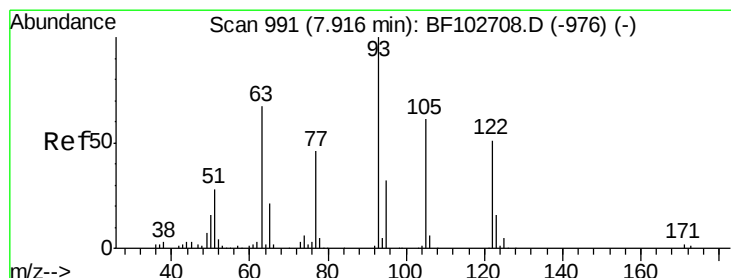
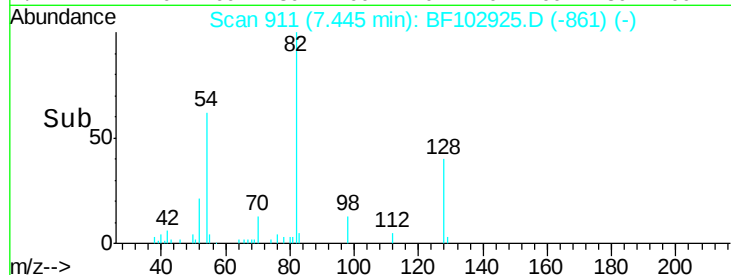
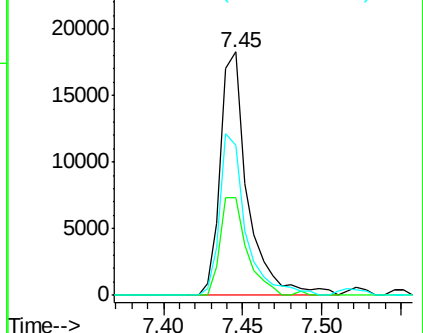
#23
Nitrobenzene-d5
Concen: 2.33 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102925.D
Acq: 12 Feb 2018 17:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	21808
Ion Ratio	100	Lower	Upper
128	40.3	36.1	54.1
54	61.7	41.4	62.2

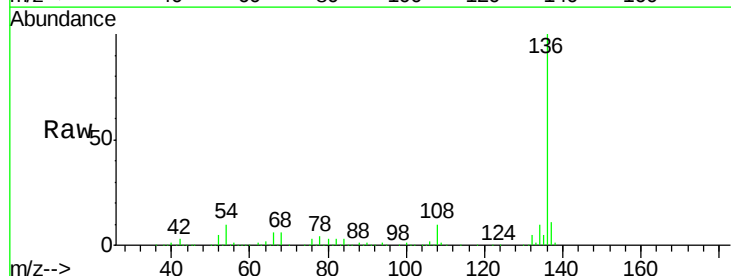


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

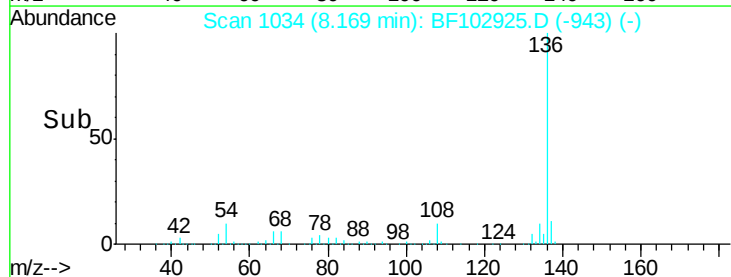
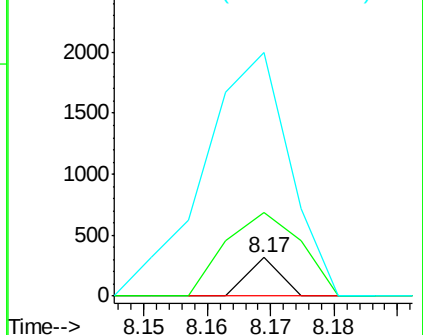


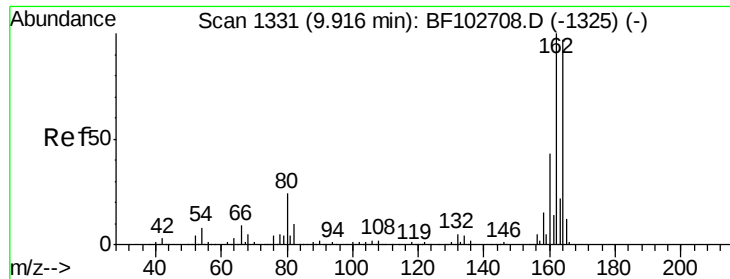
#32
Benzoic acid
Concen: 8.56 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.24 min
Lab File: BF102925.D
Acq: 12 Feb 2018 17:22

Tgt Ion	122	Resp	112
Ion Ratio	100	Lower	Upper
105	215.4	101.1	141.1#
77	628.0	70.7	110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

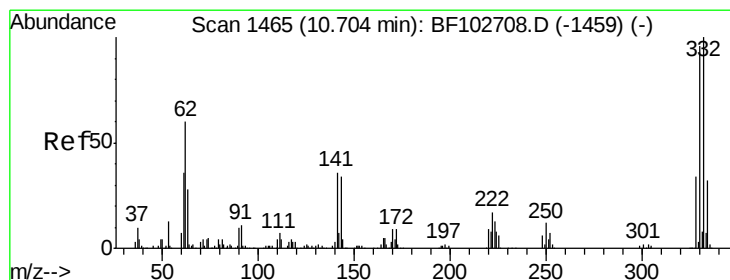
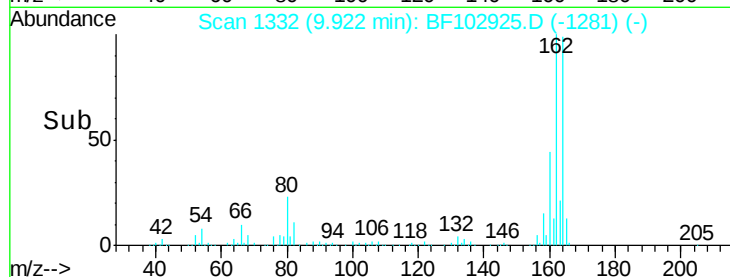
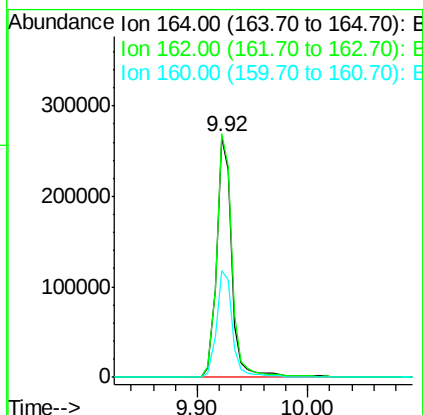
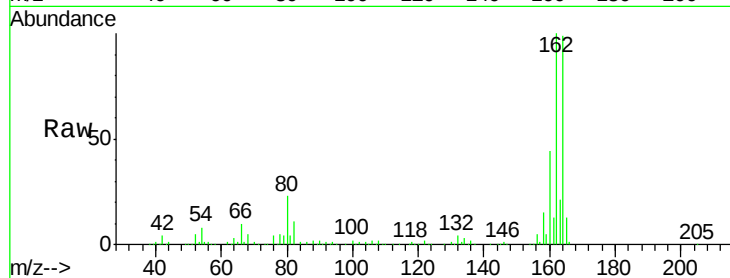




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102925.D
Acq: 12 Feb 2018 17:22

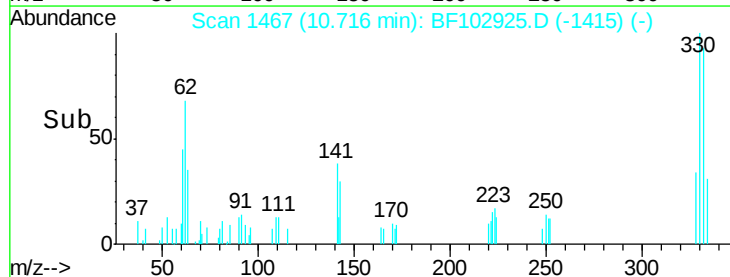
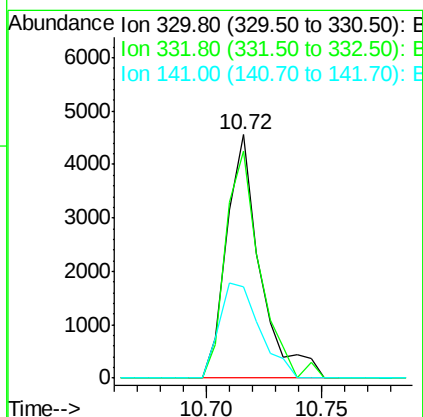
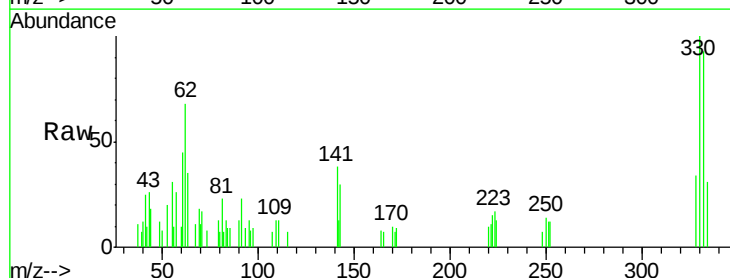
Instrument :
BNA_F
ClientSampleId :

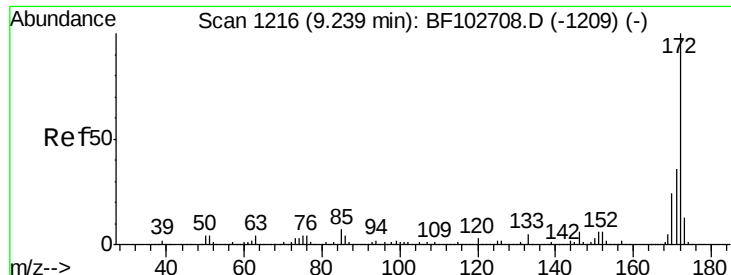
Tot Ion:164 Resp: 254976
Ion Ratio Lower Upper
164 100
162 101.3 86.1 129.1
160 44.2 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 2.24 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF102925.D
Acq: 12 Feb 2018 17:22

Tgt Ion:330 Resp: 4595
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.6
141 47.1 29.9 44.9#

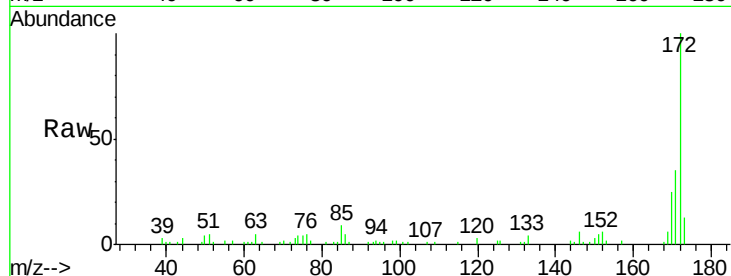




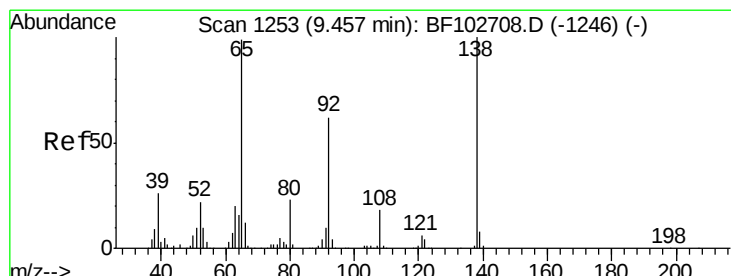
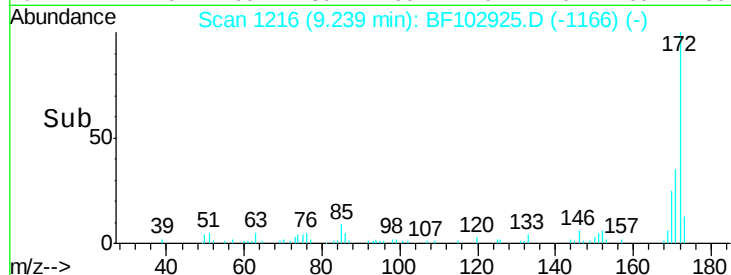
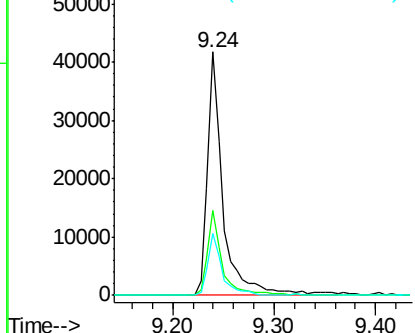
#44
 2-Fluorobiphenyl
 Concen: 2.90 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102925.D
 Acq: 12 Feb 2018 17:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 44562
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 25.2 19.6 29.4

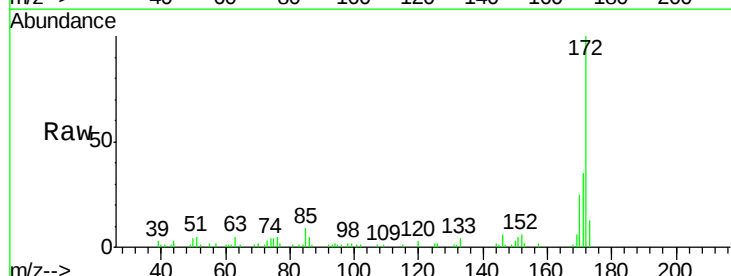


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

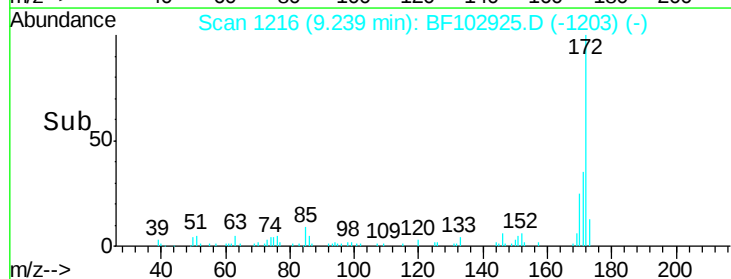
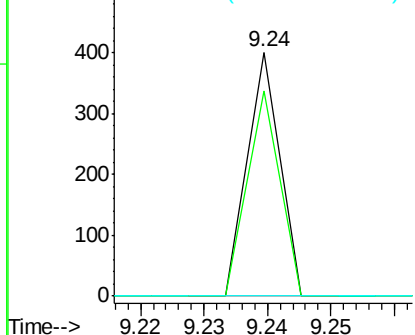


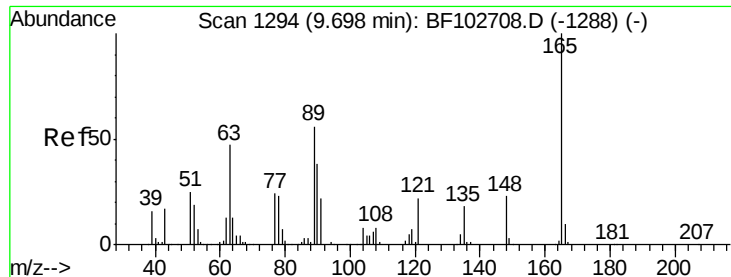
#47
 2-Nitroaniline
 Concen: 3.50 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.22 min
 Lab File: BF102925.D
 Acq: 12 Feb 2018 17:22

Tgt Ion: 65 Resp: 141
 Ion Ratio Lower Upper
 65 100
 92 84.3 55.8 83.6#
 138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

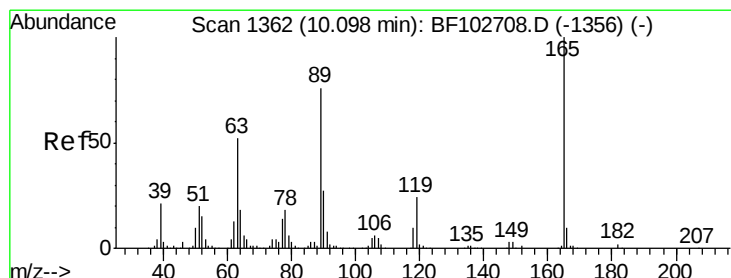
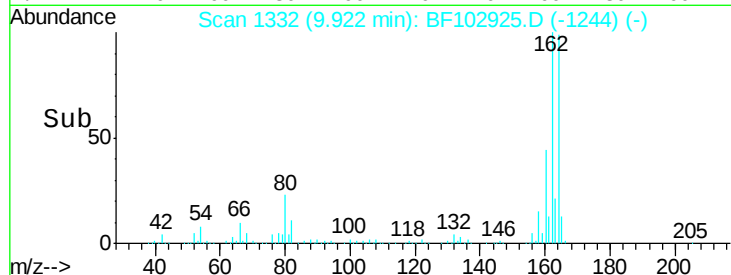
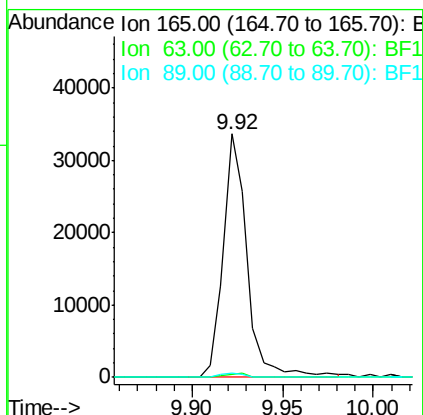
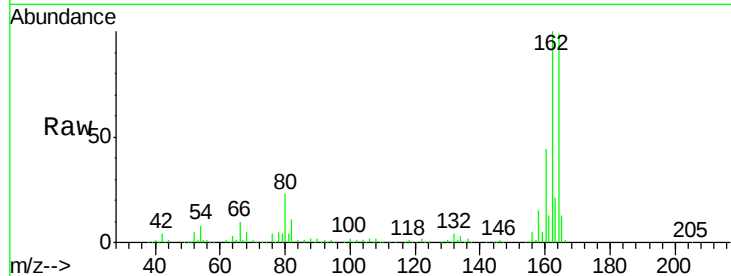




#50
 2,6-Dinitrotoluene
 Concen: 8.21 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102925.D
 Acq: 12 Feb 2018 17:22

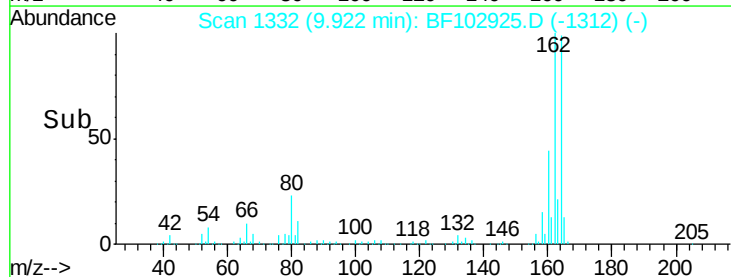
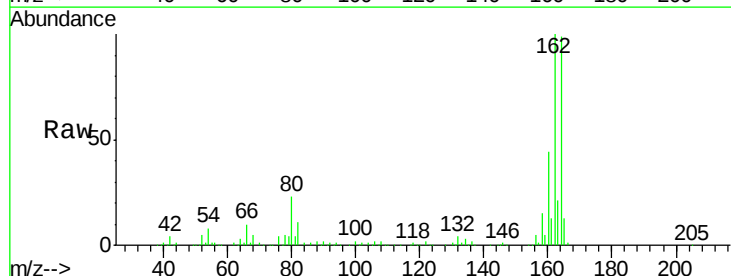
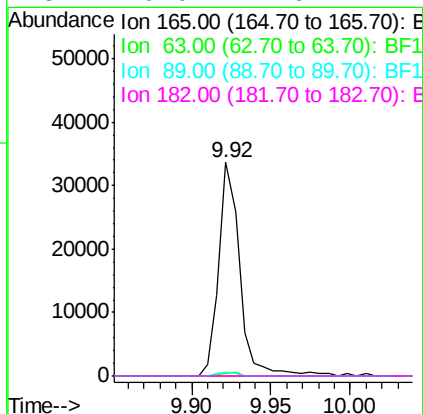
Instrument :
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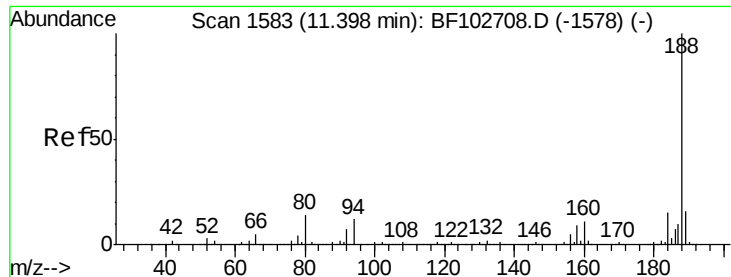
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.8	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 8.83 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102925.D
 Acq: 12 Feb 2018 17:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF102925.D

Acq: 12 Feb 2018 17:22

Instrument :

BNA_F

ClientSampleId :

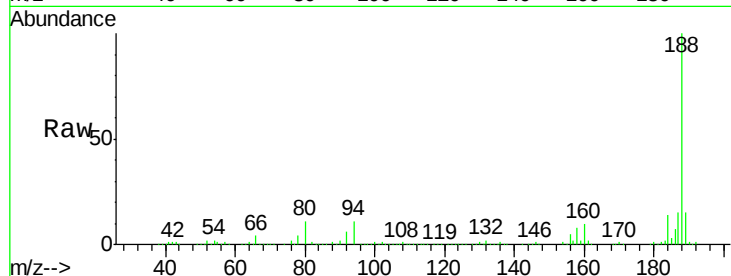
Tot Ion:188 Resp: 355610

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

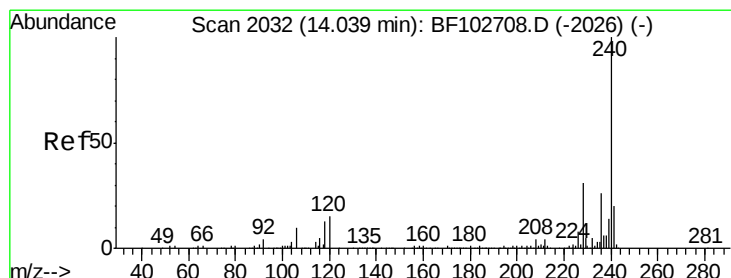
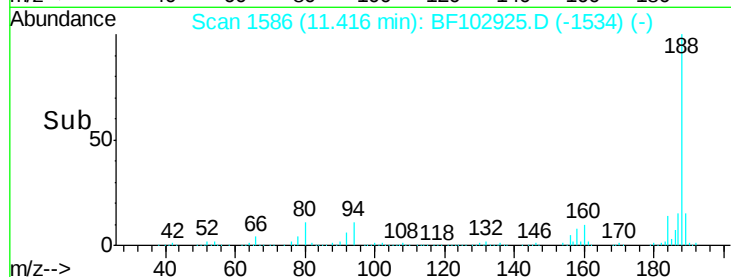
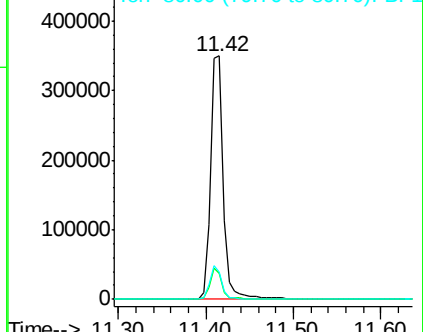
80 11.4 9.2 13.8



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF102925.D

Acq: 12 Feb 2018 17:22

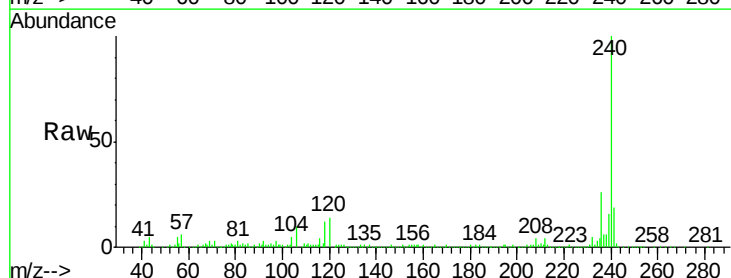
Tgt Ion:240 Resp: 305790

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3

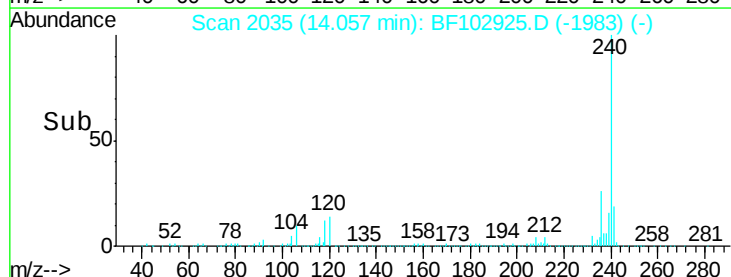
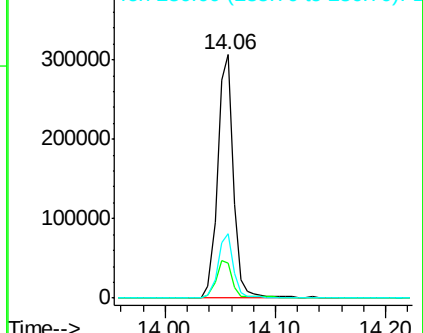
236 26.3 20.7 31.1

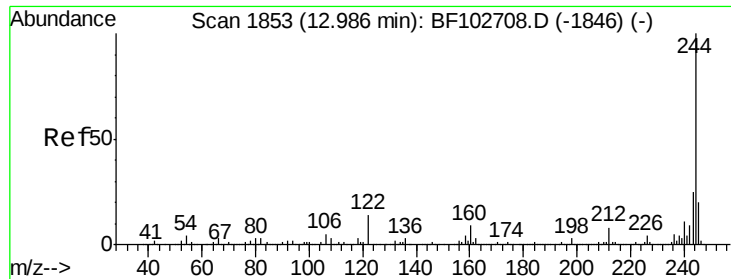


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 2.45 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102925.D

Acq: 12 Feb 2018 17:22

Instrument :

BNA_F

ClientSampleId :

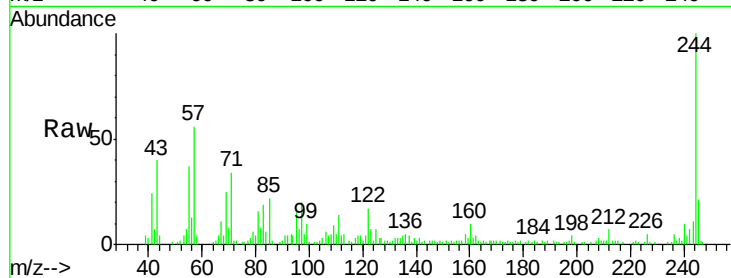
Tot Ion:244 Resp: 31580

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

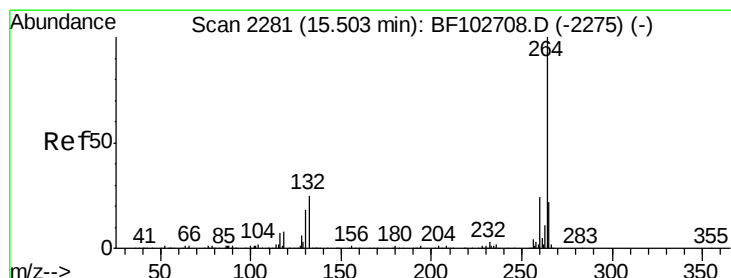
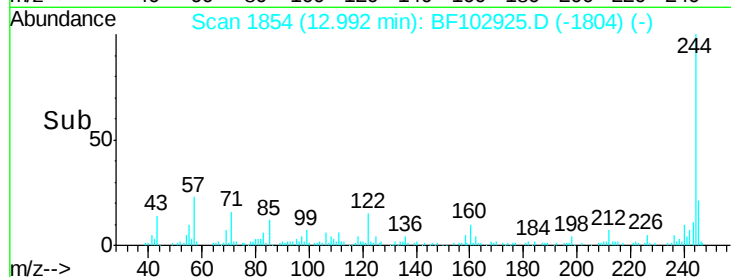
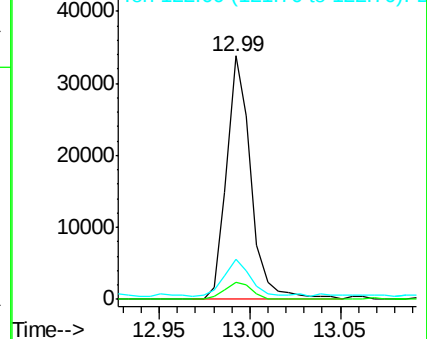
122 16.6 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102925.D

Acq: 12 Feb 2018 17:22

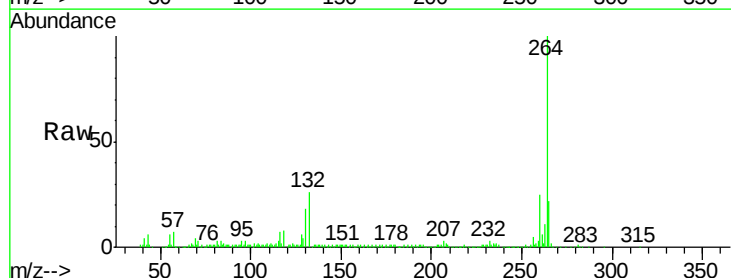
Tgt Ion:264 Resp: 268411

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 21.5 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

