

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021417\
 Data File : BF092948.D
 Acq On : 14 Feb 2017 17:09
 Operator : SJ/MA
 Sample : I1792-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 17:39:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

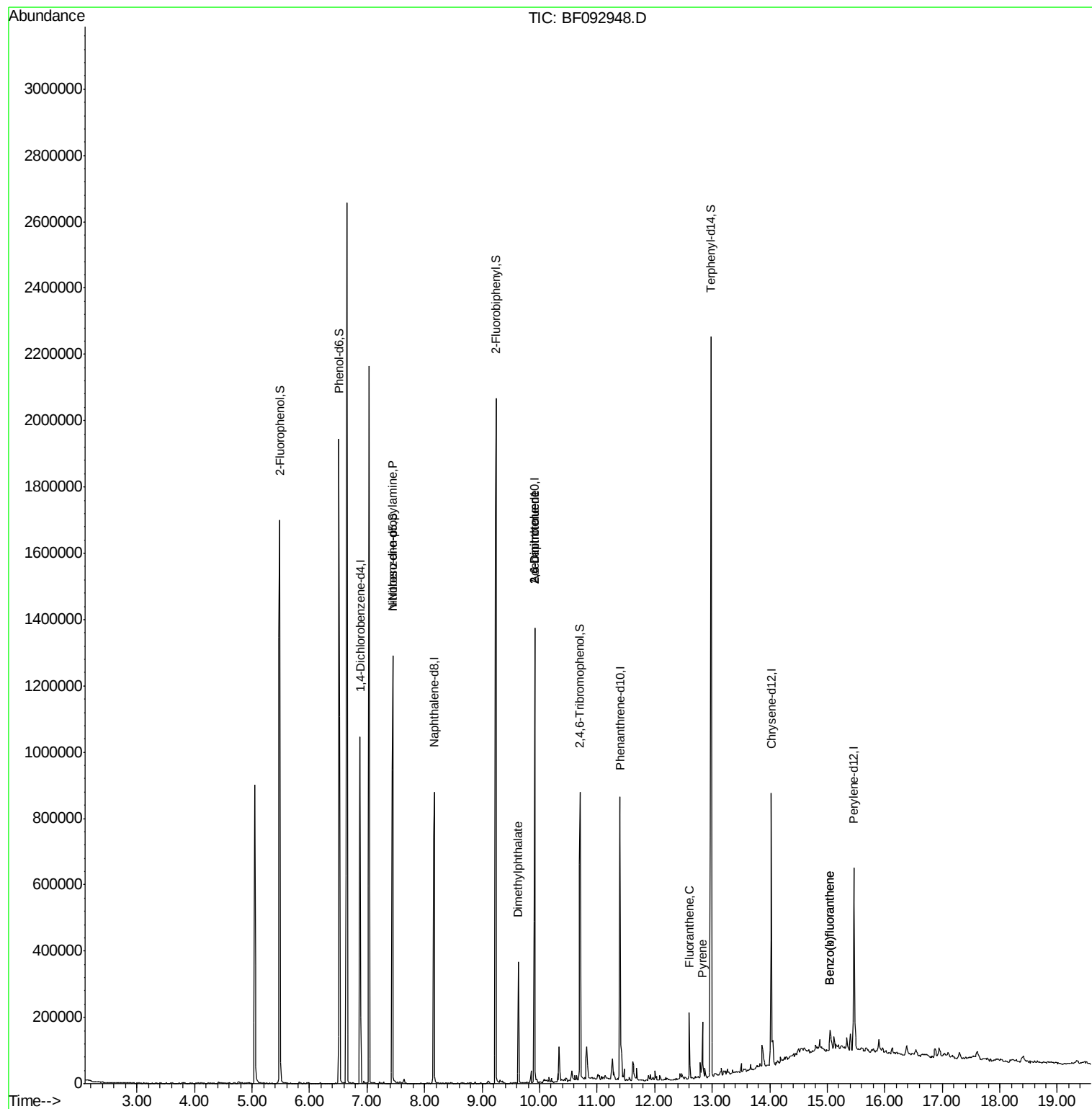
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	148268	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	567197	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	314843	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	464125	20.00	ng	0.00
75) Chrysene-d12	14.03	240	287108	20.00	ng	-0.02
86) Perylene-d12	15.46	264	276660	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	623376	72.13	ng	0.00
7) Phenol-d6	6.51	99	794754	71.47	ng	-0.02
23) Nitrobenzene-d5	7.45	82	539595	52.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	129756	56.98	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	937106	53.92	ng	0.00
78) Terphenyl-d14	12.98	244	687947	56.30	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	69768	9.86	ng	# 76
49) Dimethylphthalate	9.63	163	135940	6.41	ng	99
50) 2,6-Dinitrotoluene	9.92	165	39763	8.68	ng	# 30
56) 2,4-Dinitrotoluene	9.92	165	39765	6.52	ng	# 19
74) Fluoranthene	12.60	202	76606	2.79	ng	98
77) Pyrene	12.83	202	66714	3.10	ng	98
87) Benzo(b)fluoranthene	15.05	252	41075	2.26	ng	# 94
88) Benzo(k)fluoranthene	15.05	252	41075	2.61	ng	# 93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

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Acq: 14 Feb 2017 17:09

Instrument :

BNA_F

ClientSampleId :

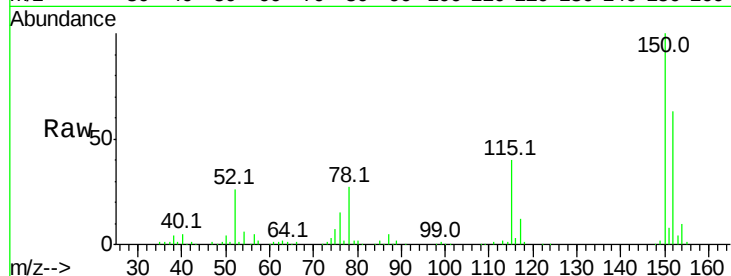
Tot Ion:152 Resp: 148268

Ion Ratio Lower Upper

152 100

150 159.8 124.9 187.3

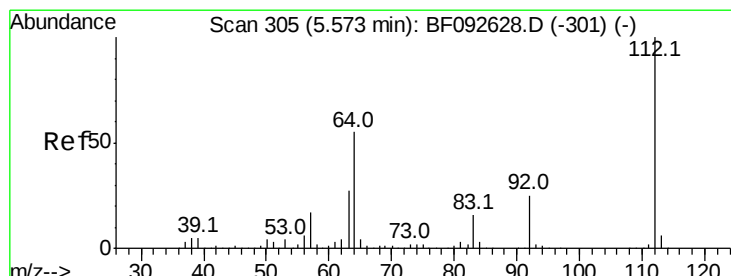
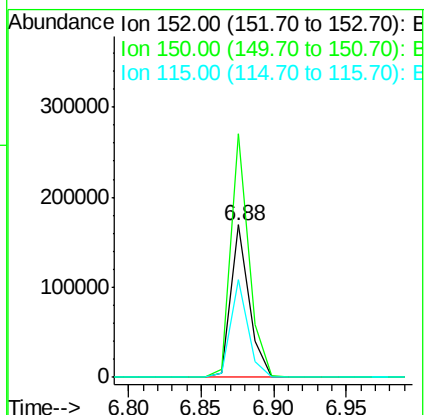
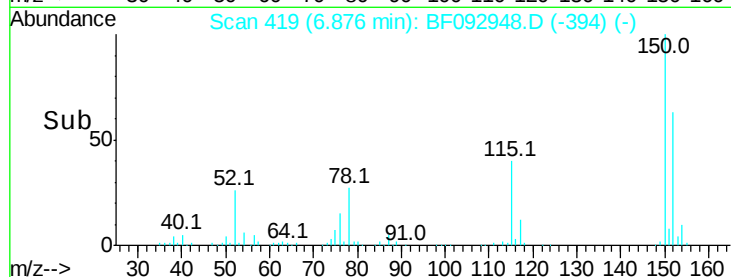
115 63.8 46.0 69.0



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: 72.13 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF092948.D

Acq: 14 Feb 2017 17:09

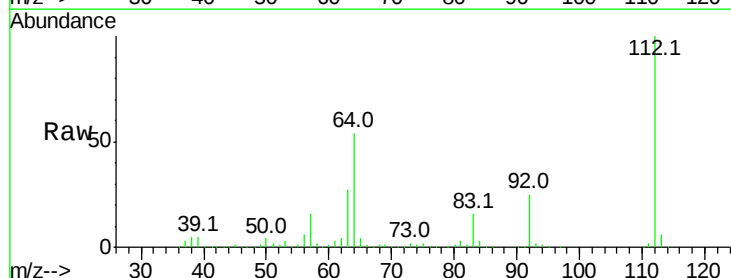
Tgt Ion:112 Resp: 623376

Ion Ratio Lower Upper

112 100

64 54.0 46.1 69.1

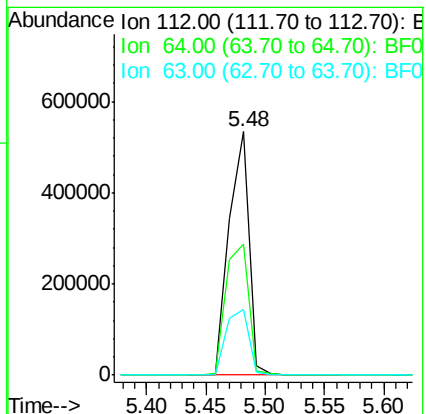
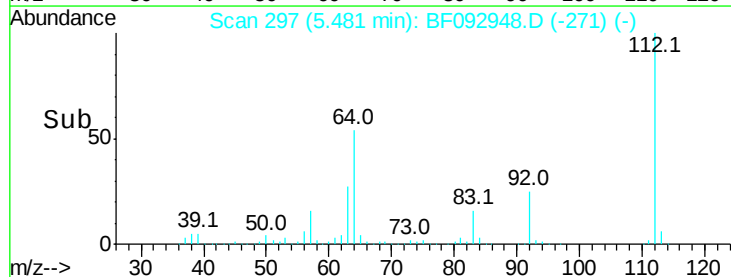
63 27.2 23.8 35.6

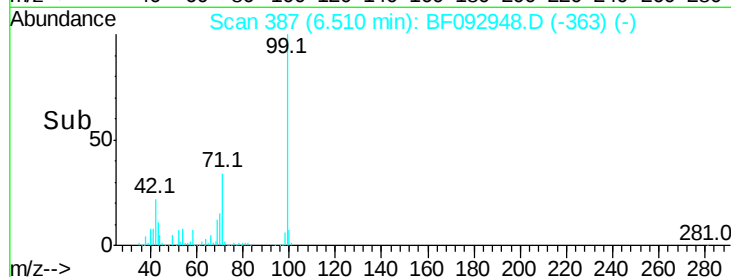
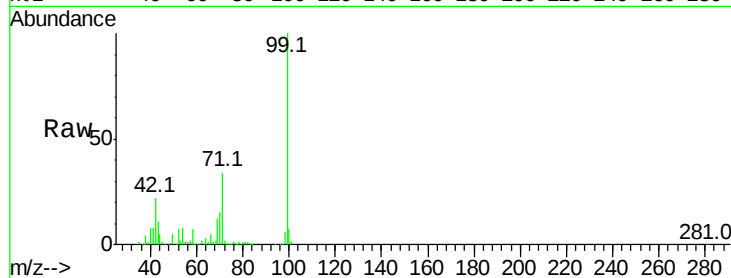
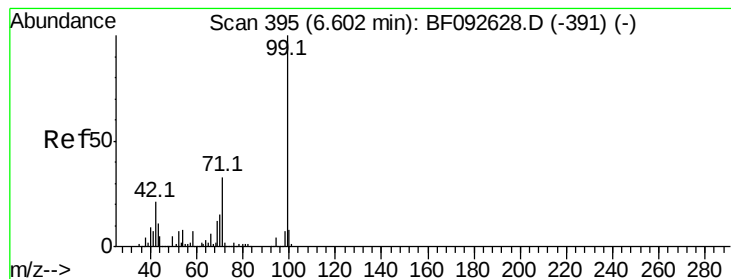


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 71.47 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092948.D

Acq: 14 Feb 2017 17:09

Instrument :

BNA_F

ClientSampleId :

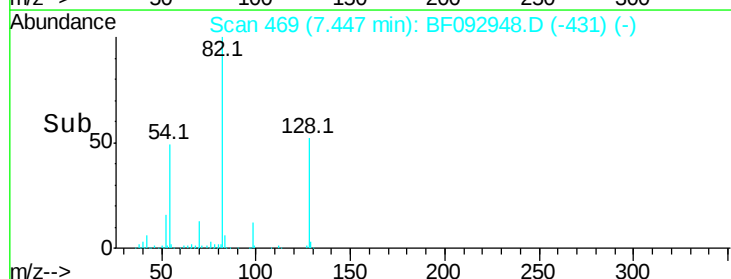
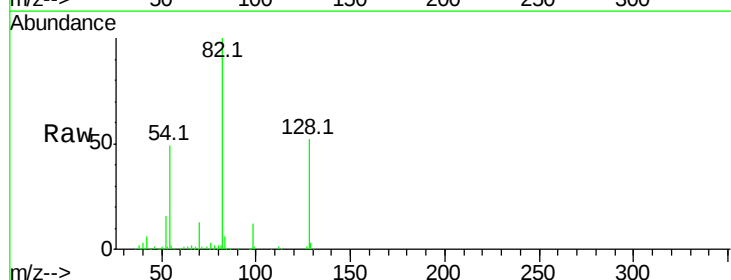
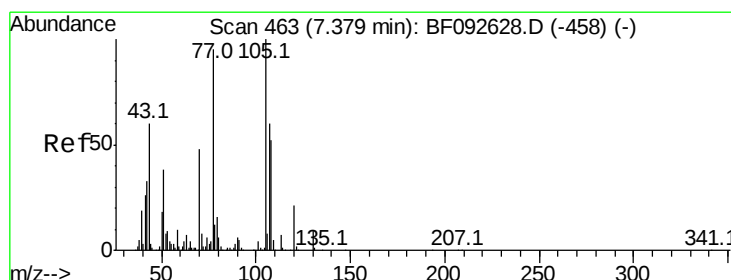
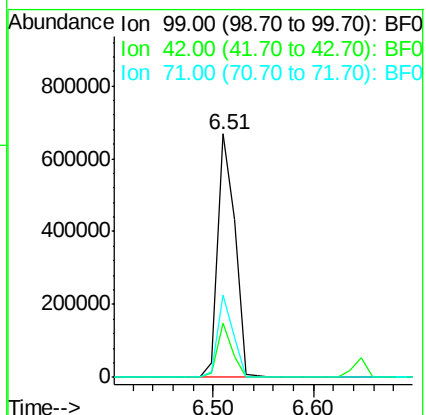
Tot Ion: 99 Resp: 794754

Ion Ratio Lower Upper

99 100

42 22.1 15.6 23.4

71 33.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 9.86 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.14 min

Lab File: BF092948.D

Acq: 14 Feb 2017 17:09

Tgt Ion: 70 Resp: 69768

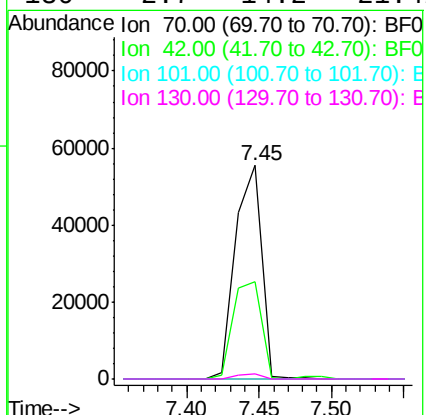
Ion Ratio Lower Upper

70 100

42 45.3 49.4 74.0#

101 0.0 7.4 11.2#

130 2.7 14.2 21.4#

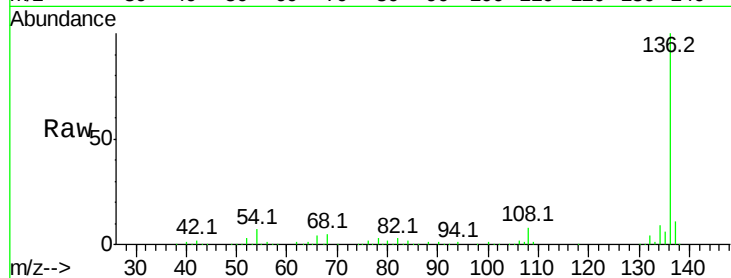




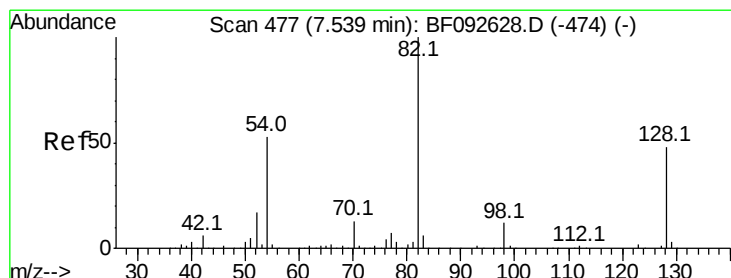
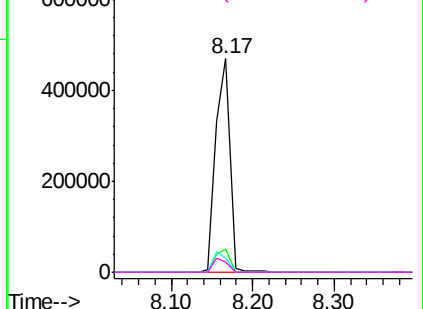
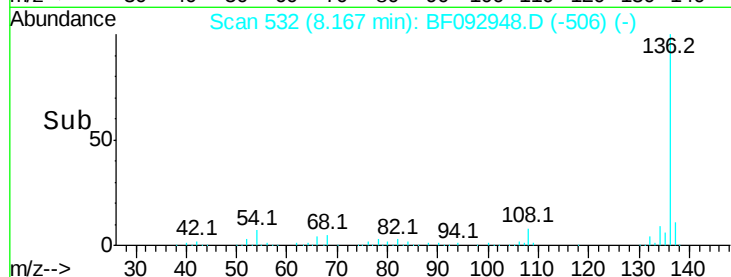
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.00 min
Lab File: BF092948.D
Acq: 14 Feb 2017 17:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	567197
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.4	12.6
54 6.6	4.5	6.7
68 4.9	3.6	5.4

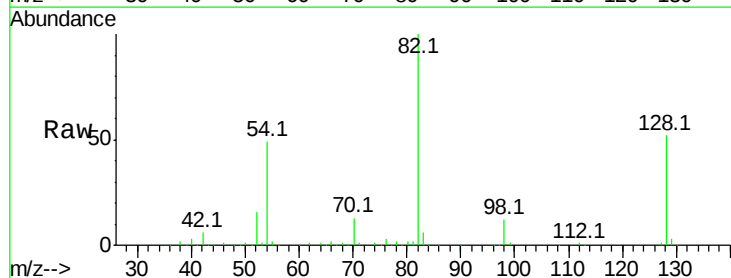


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

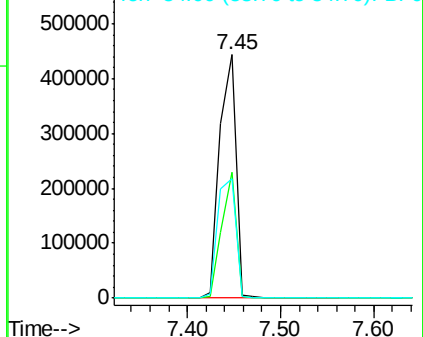
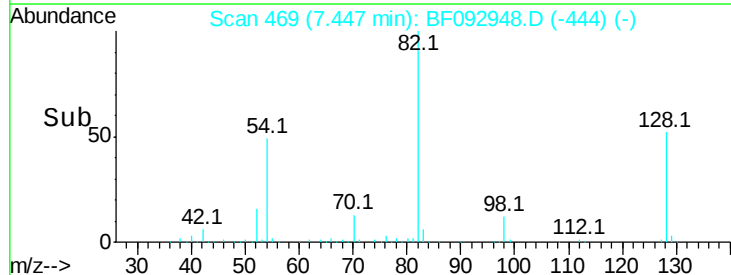


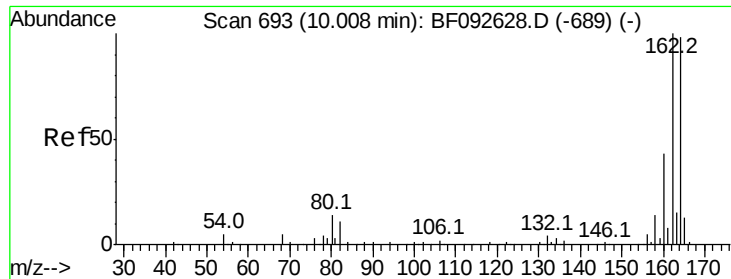
#23
Nitrobenzene-d5
Concen: 52.98 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF092948.D
Acq: 14 Feb 2017 17:09

Tgt Ion: 82	Resp: 539595
Ion Ratio	Lower Upper
82 100	
128 51.7	34.6 52.0
54 49.2	39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

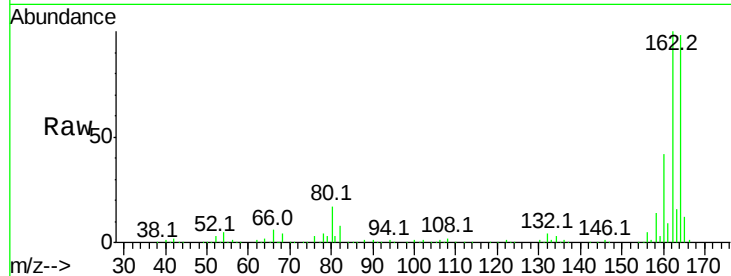




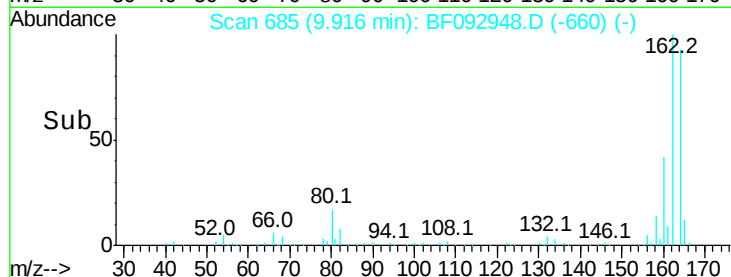
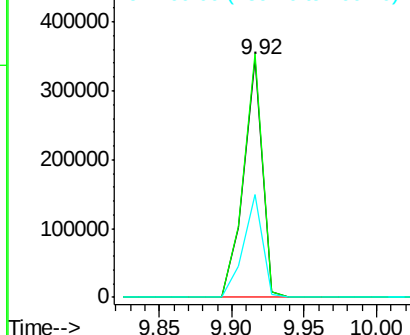
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.01 min
 Lab File: BF092948.D
 Acq: 14 Feb 2017 17:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 314843
 Ion Ratio Lower Upper
 164 100
 162 102.1 80.2 120.2
 160 43.1 36.9 55.3

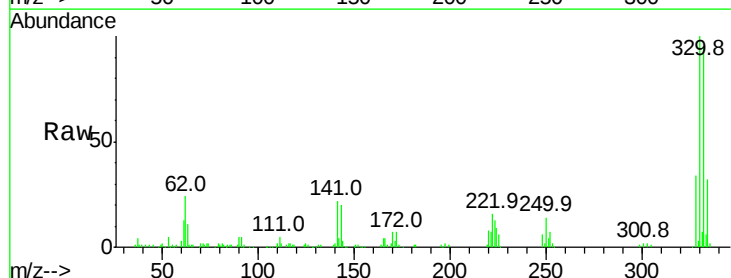


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

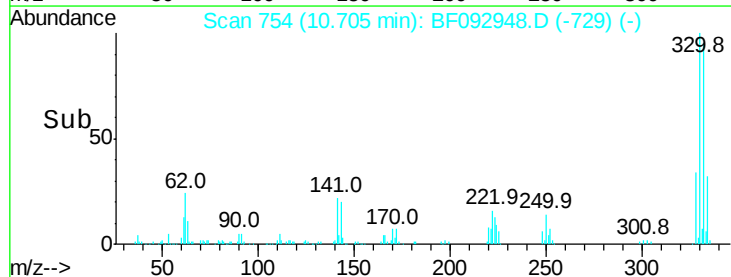
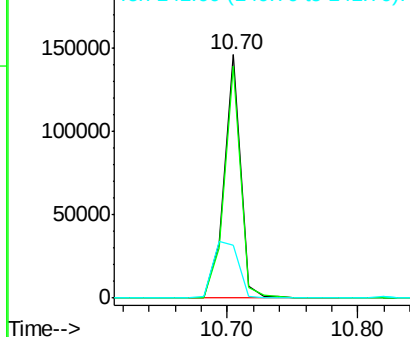


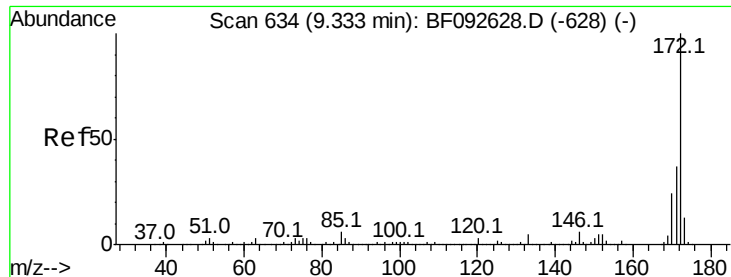
#41
 2,4,6-Tribromophenol
 Concen: 56.98 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF092948.D
 Acq: 14 Feb 2017 17:09

Tgt Ion:330 Resp: 129756
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.4 116.2
 141 36.2 34.1 51.1



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



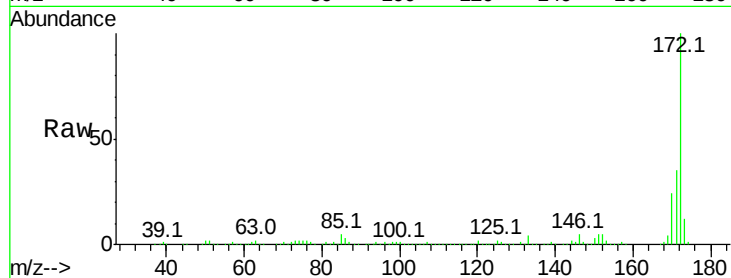


#44
 2-Fluorobiphenyl
 Concen: 53.92 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: BF092948.D
 Acq: 14 Feb 2017 17:09

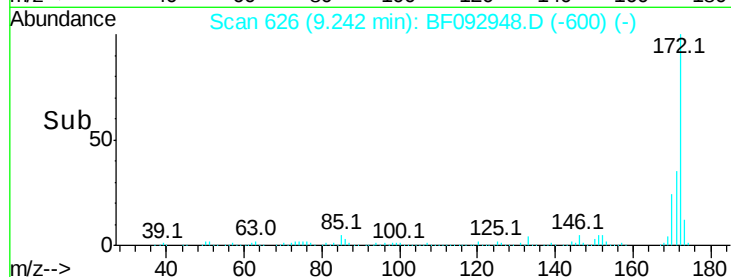
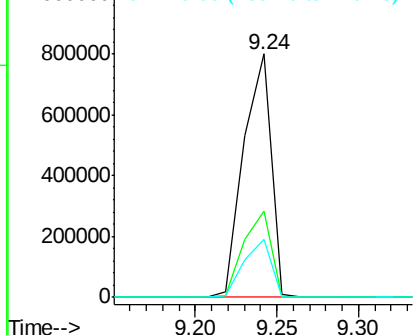
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 937106

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.4	44.0
170	23.9	20.2	30.4



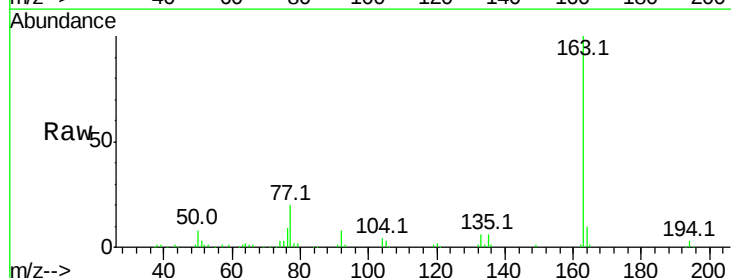
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



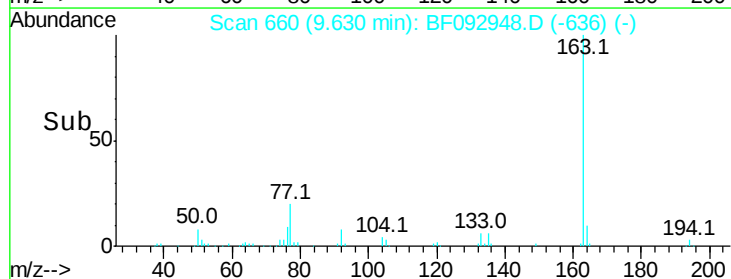
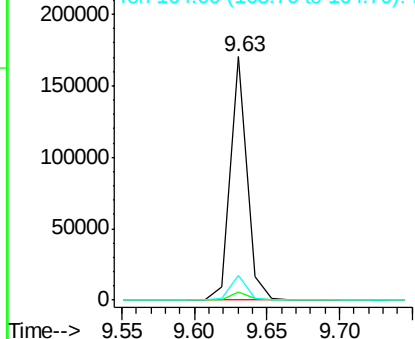
#49
 Dimethylphthalate
 Concen: 6.41 ng
 RT: 9.63 min Scan# 660
 Delta R.T. -0.02 min
 Lab File: BF092948.D
 Acq: 14 Feb 2017 17:09

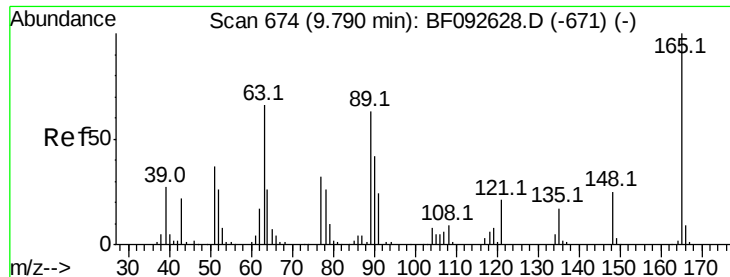
Tgt Ion:163 Resp: 135940

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.4	8.0	12.0



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

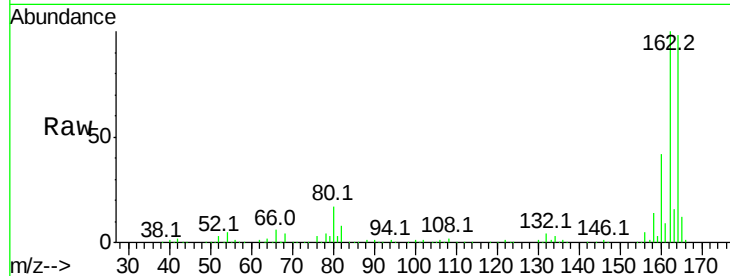




#50
 2,6-Dinitrotoluene
 Concen: 8.68 ng
 RT: 9.92 min Scan# 685
 Delta R.T. 0.21 min
 Lab File: BF092948.D
 Acq: 14 Feb 2017 17:09

Instrument :
 BNA_F
 ClientSampled :

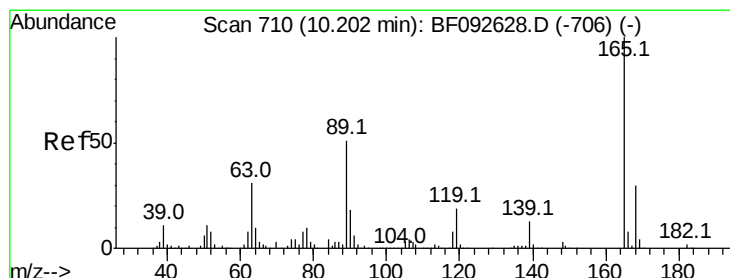
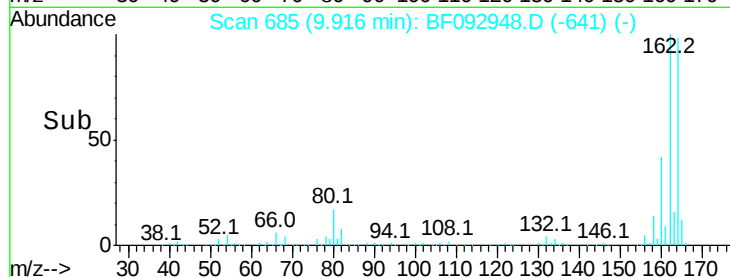
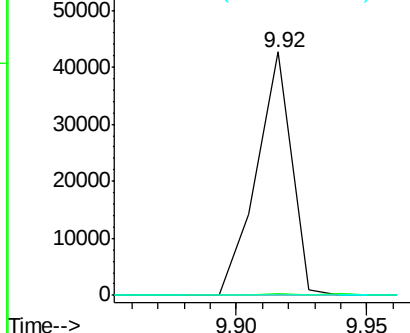
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	36.2	54.4#
89	0.0	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.52 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.21 min
 Lab File: BF092948.D
 Acq: 14 Feb 2017 17:09

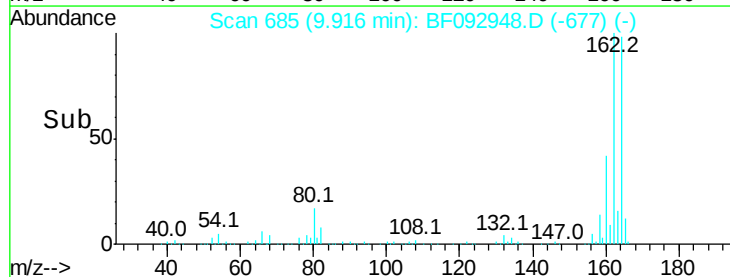
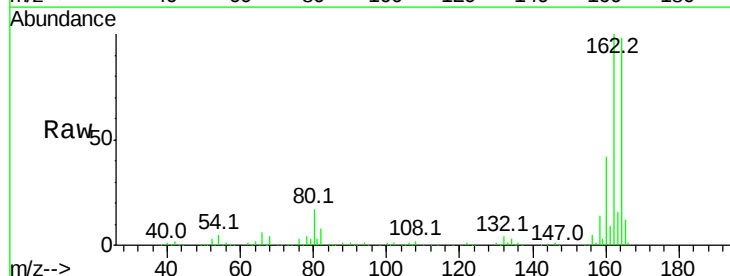
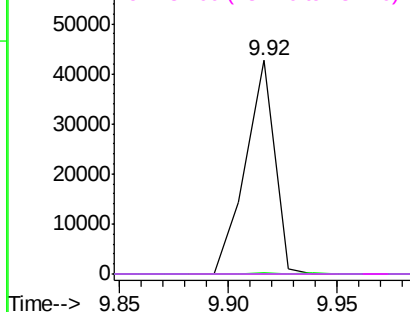
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	40.2	60.4#
89	0.0	62.5	93.7#
182	0.0	1.8	2.8#

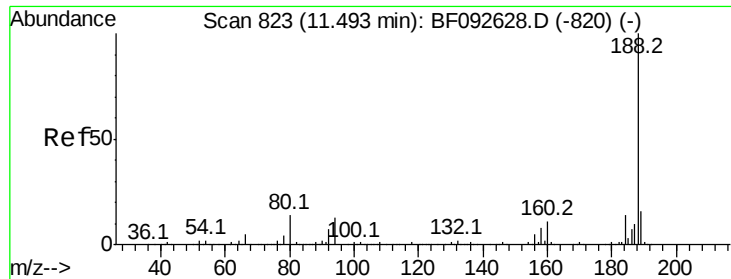
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

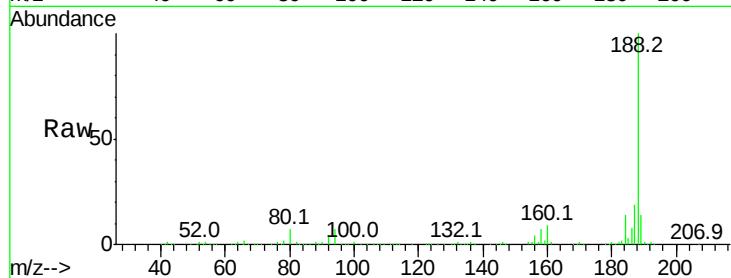




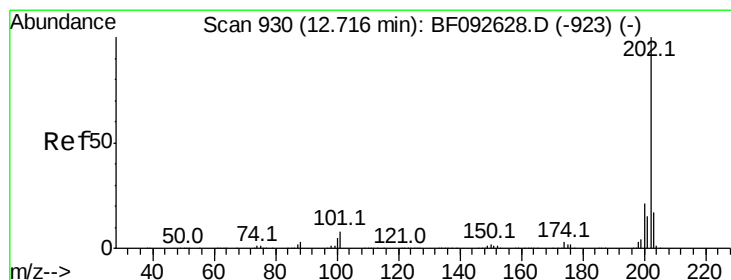
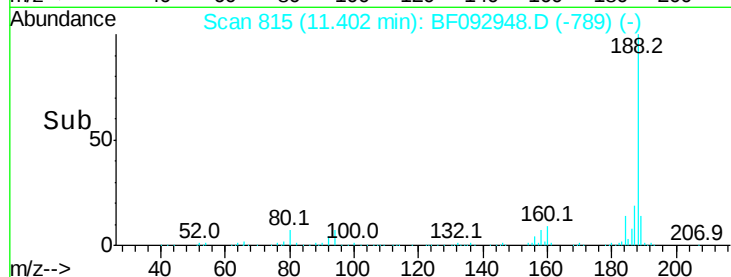
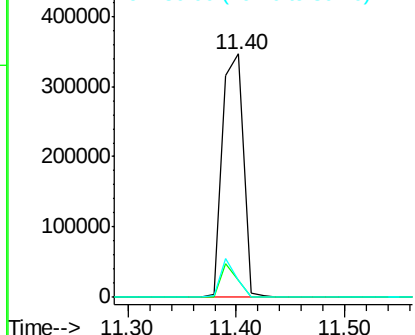
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF092948.D
Acq: 14 Feb 2017 17:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 464125
Ion Ratio Lower Upper
188 100
94 6.9 10.0 15.0#
80 6.8 11.2 16.8#

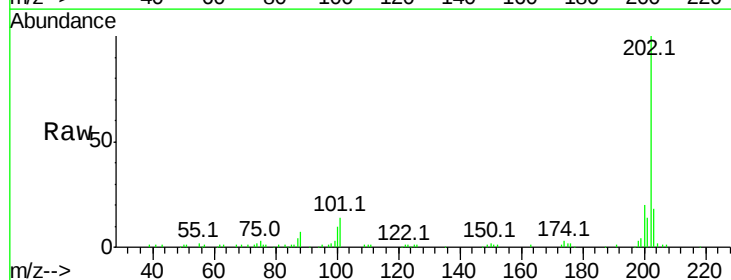


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

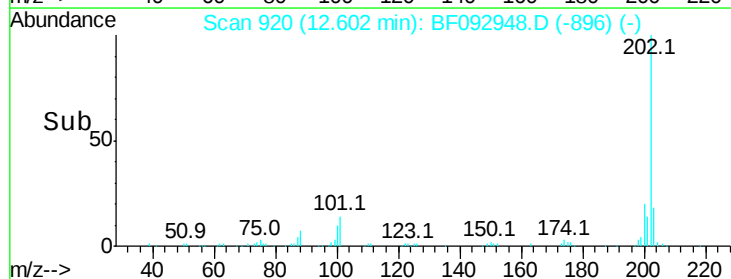
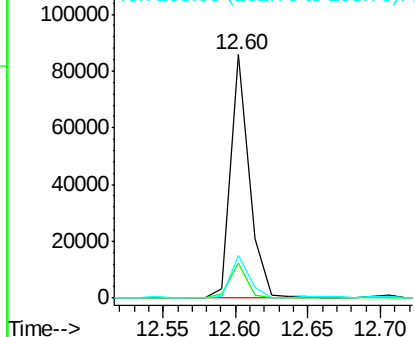


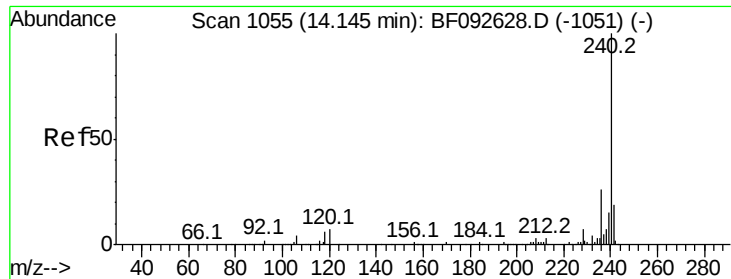
#74
Fluoranthene
Concen: 2.79 ng
RT: 12.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: BF092948.D
Acq: 14 Feb 2017 17:09

Tgt Ion:202 Resp: 76606
Ion Ratio Lower Upper
202 100
101 14.1 0.0 34.6
203 17.6 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF092948.D

Acq: 14 Feb 2017 17:09

Instrument :

BNA_F

ClientSampleId :

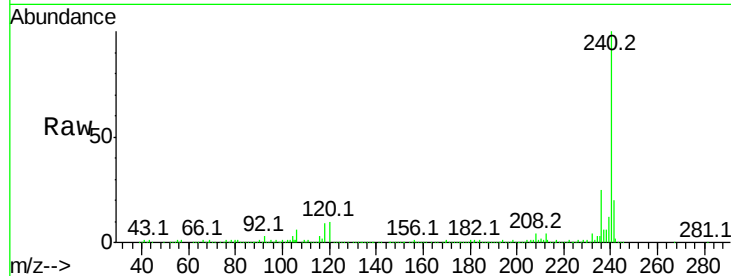
Tot Ion:240 Resp: 287108

Ion Ratio Lower Upper

240 100

120 10.2 12.9 19.3#

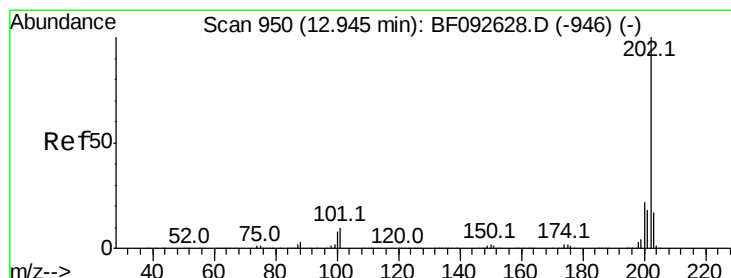
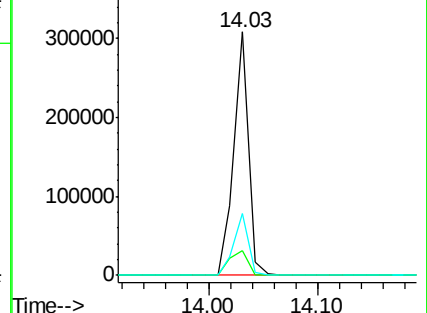
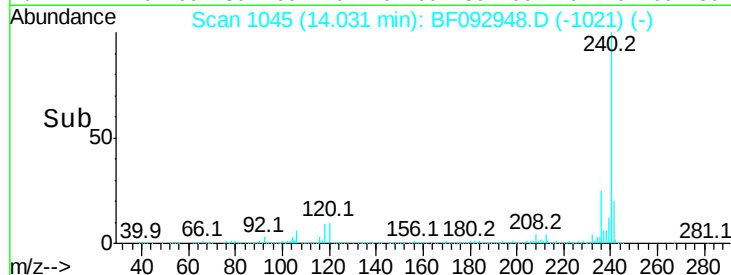
236 25.3 20.9 31.3



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



#77

Pyrene

Concen: 3.10 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF092948.D

Acq: 14 Feb 2017 17:09

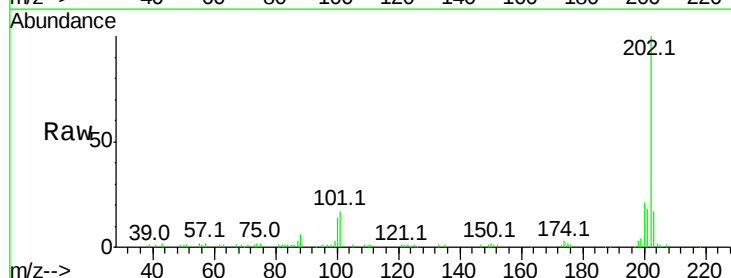
Tgt Ion:202 Resp: 66714

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

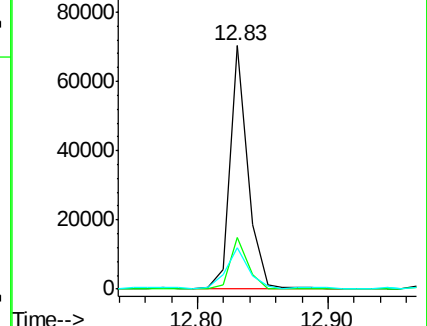
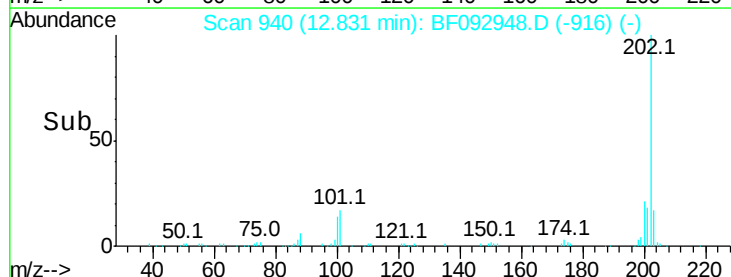
203 17.2 14.7 22.1

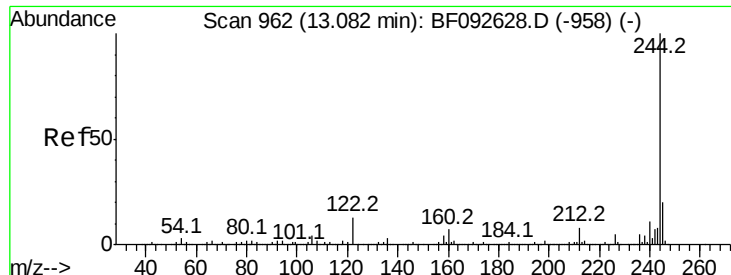


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

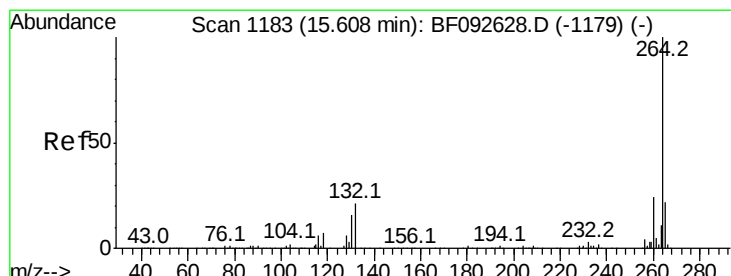
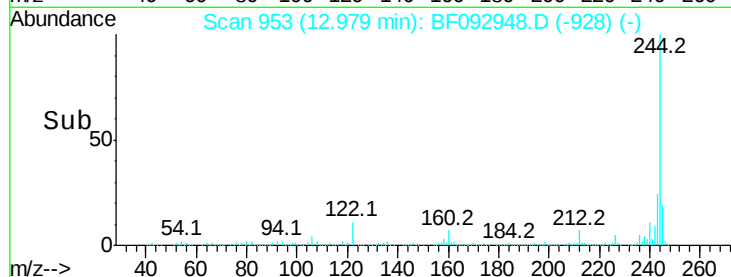
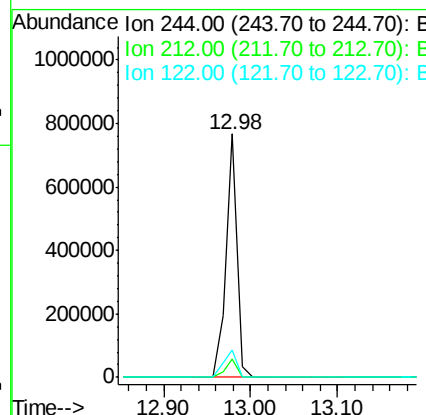
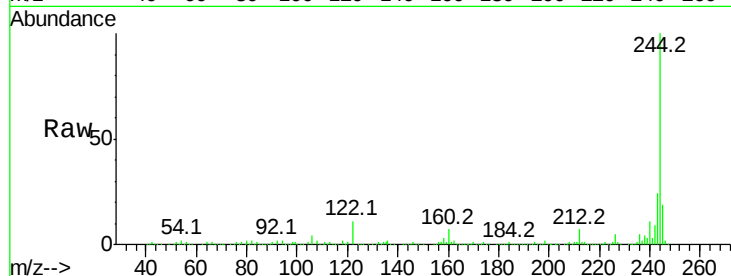




#78
 Terphenyl-d14
 Concen: 56.30 ng
 RT: 12.98 min Scan# 953
 Delta R.T. -0.01 min
 Lab File: BF092948.D
 Acq: 14 Feb 2017 17:09

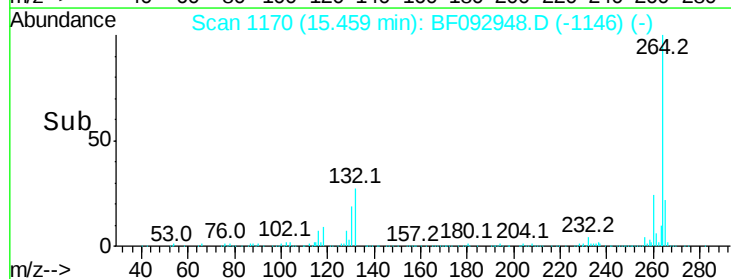
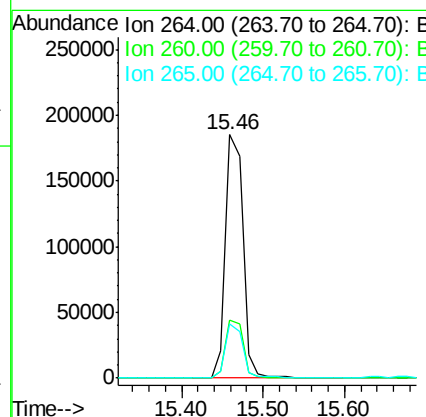
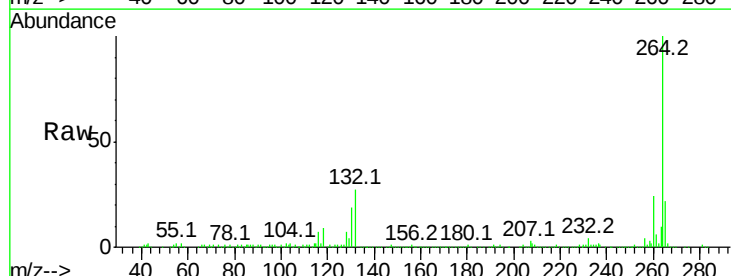
Instrument :
 BNA_F
 ClientSampled :

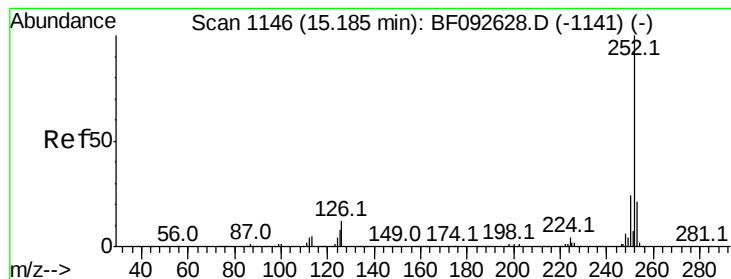
Tot Ion:244 Resp: 687947
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 11.3 11.4 17.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: BF092948.D
 Acq: 14 Feb 2017 17:09

Tgt Ion:264 Resp: 276660
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 22.2 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 2.26 ng

RT: 15.05 min Scan# 1134

Delta R.T. -0.02 min

Lab File: BF092948.D

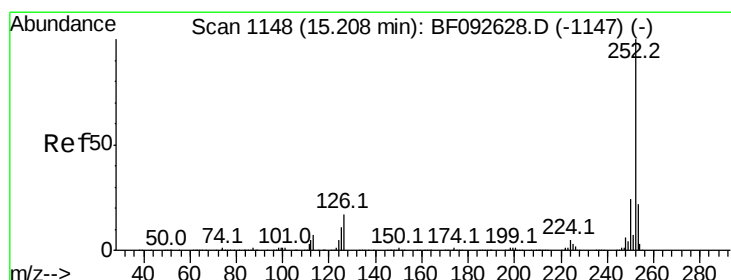
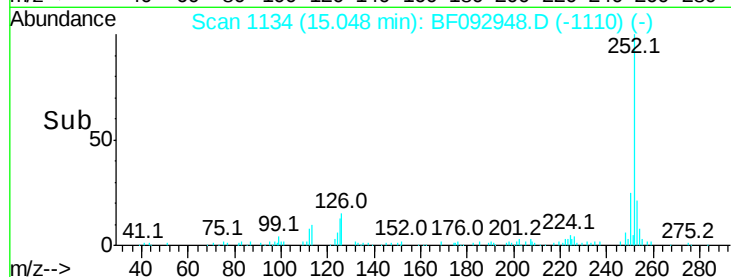
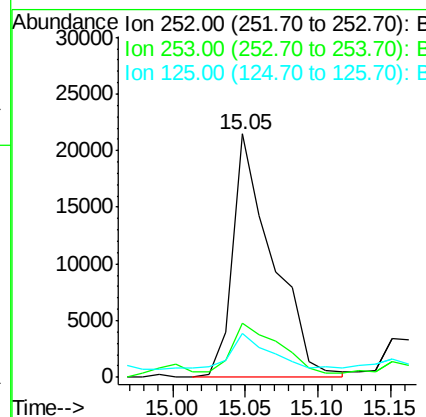
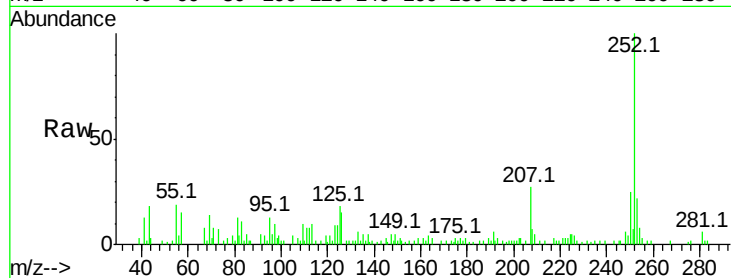
Acq: 14 Feb 2017 17:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	41075
Ion Ratio	Lower	Upper
252	100	
253	22.3	18.2 27.4
125	17.8	9.8 14.6#



#88

Benzo(k)fluoranthene

Concen: 2.61 ng

RT: 15.05 min Scan# 1134

Delta R.T. -0.06 min

Lab File: BF092948.D

Acq: 14 Feb 2017 17:09

Tgt Ion:252	Resp:	41075
Ion Ratio	Lower	Upper
252	100	
253	22.3	18.5 27.7
125	17.8	8.9 13.3#

