

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091950.D
 Acq On : 24 Dec 2016 4:40
 Operator : UM/SJ
 Sample : H6205-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-13

Quant Time: Dec 24 05:03:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

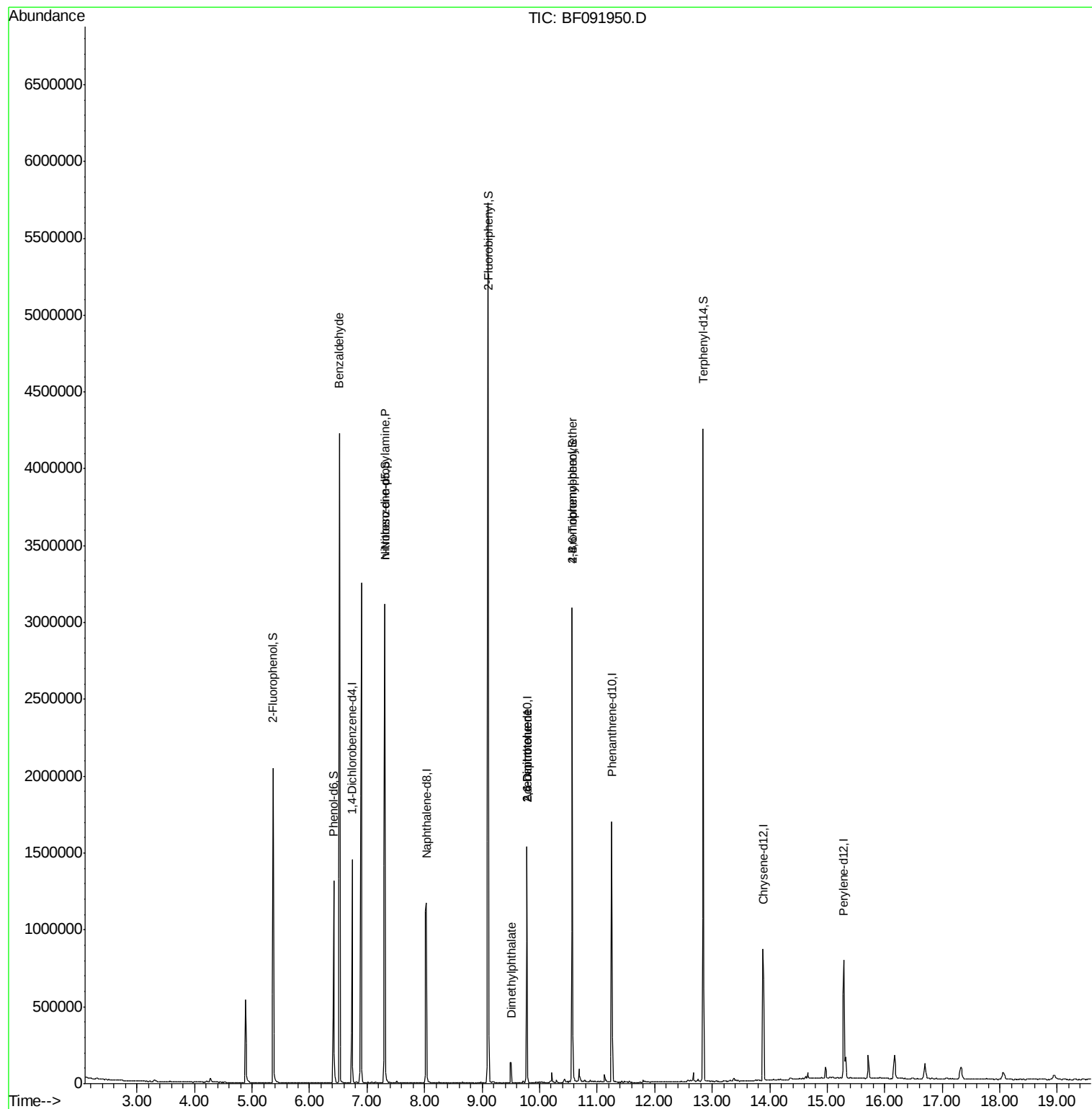
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	214910	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	849953	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	418109	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	597607	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	405312	20.00	ng	-0.02
86) Perylene-d12	15.29	264	388613	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	615733	47.84	ng	0.02
7) Phenol-d6	6.42	99	500019	31.82	ng	0.01
23) Nitrobenzene-d5	7.31	82	1168513	76.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	352049	101.74	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1730419	84.76	ng	-0.01
78) Terphenyl-d14	12.84	244	1326462	79.37	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.52	77	27984	2.16	ng	# 71
19) n-Nitroso-di-n-propylamine	7.31	70	155201	14.85	ng	# 76
37) 2-Methylnaphthalene	8.74	142	848	Below Cal		94
49) Dimethylphthalate	9.50	163	90354	3.38	ng	99
50) 2,6-Dinitrotoluene	9.78	165	53297	9.11	ng	# 30
56) 2,4-Dinitrotoluene	9.78	165	53297	7.25	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	23793	3.83	ng	# 1
71) Anthracene	11.33	178	322	Below Cal		# 59
73) Di-n-butylphthalate	11.82	149	3014	Below Cal		# 91
74) Fluoranthene	12.46	202	2616	Below Cal		84

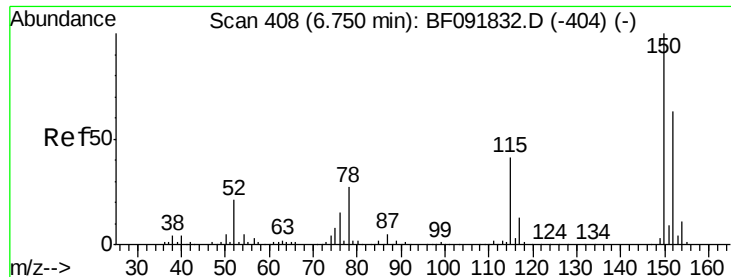
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 33 Sample Multiplier: 1

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

Instrument :

BNA_F

ClientSampleId :

W-13

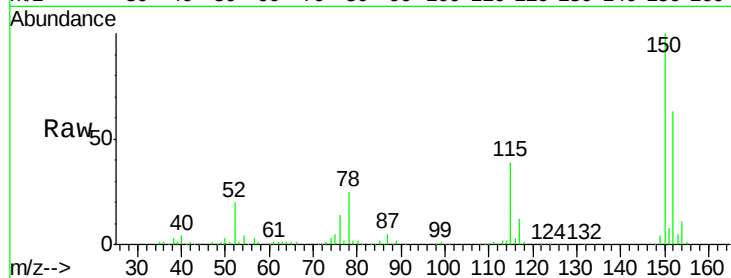
Tgt Ion:152 Resp: 214910

Ion Ratio Lower Upper

152 100

150 157.6 124.9 187.3

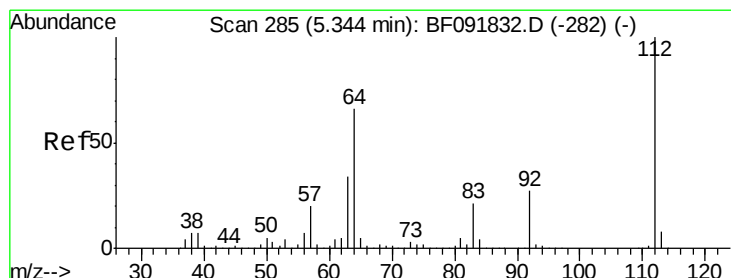
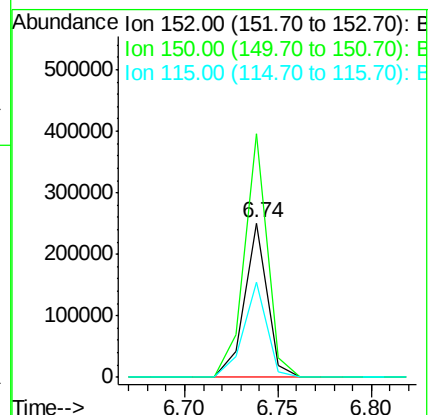
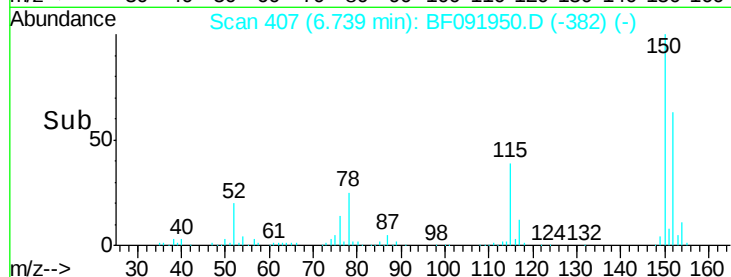
115 61.7 46.0 69.0



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: 47.84 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

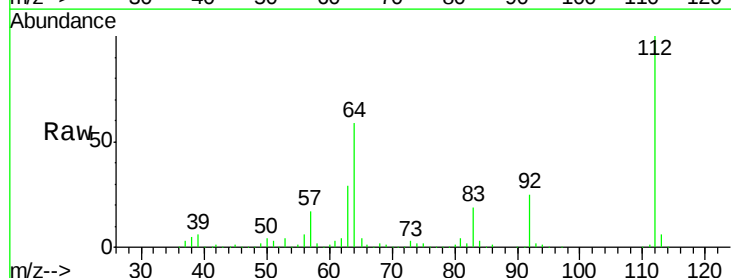
Tgt Ion:112 Resp: 615733

Ion Ratio Lower Upper

112 100

64 59.1 46.1 69.1

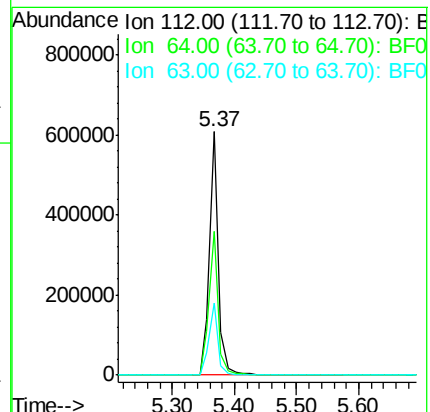
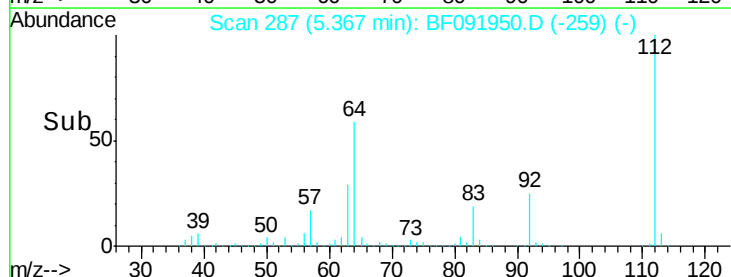
63 29.5 23.8 35.6

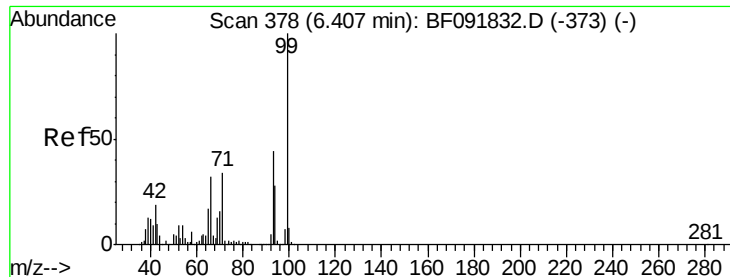


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.82 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

Instrument :

BNA_F

ClientSampleId :

W-13

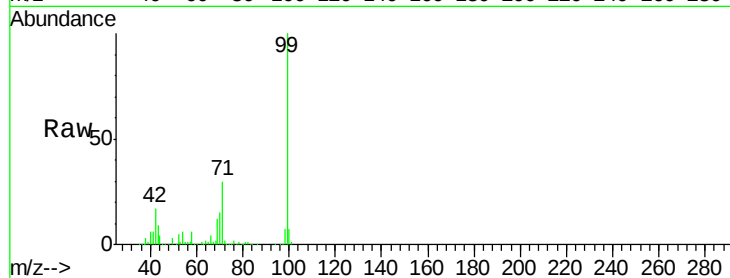
Tgt Ion: 99 Resp: 500019

Ion Ratio Lower Upper

99 100

42 16.6 15.6 23.4

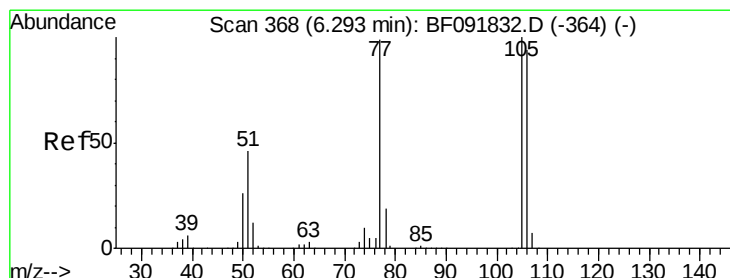
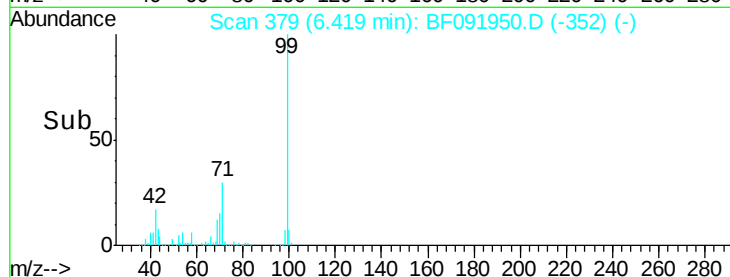
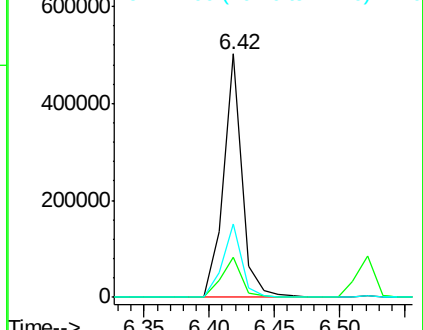
71 30.2 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.16 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.23 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

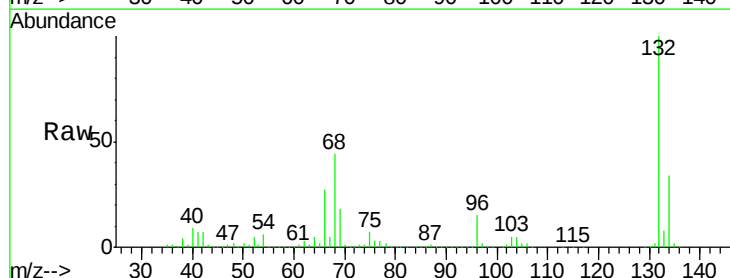
Tgt Ion: 77 Resp: 27984

Ion Ratio Lower Upper

77 100

105 77.5 83.9 123.9#

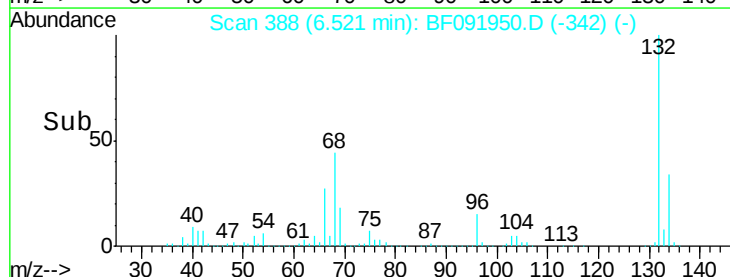
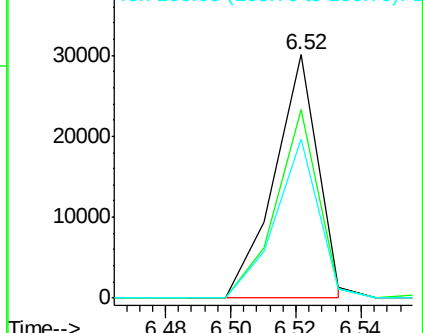
106 65.5 77.6 117.6#

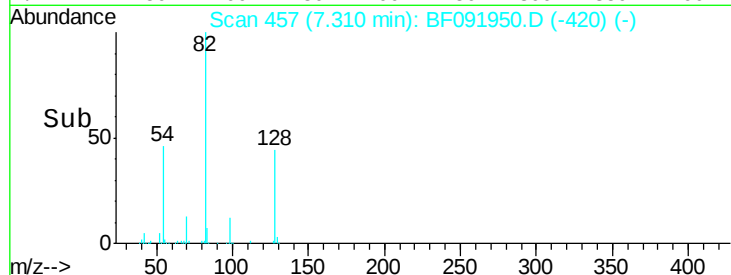
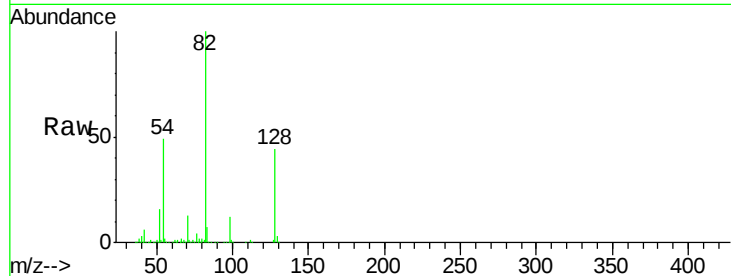
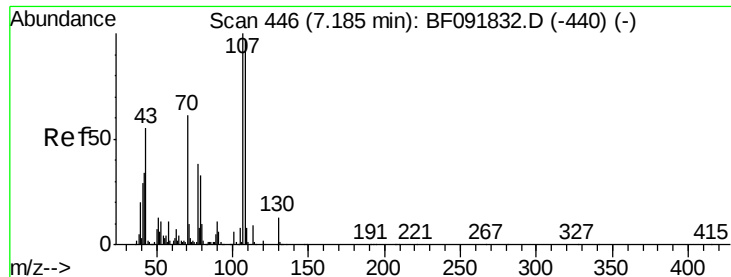


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

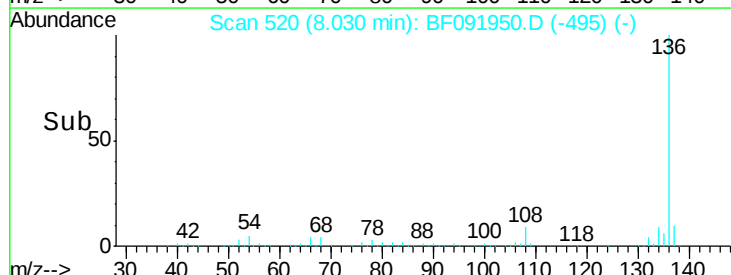
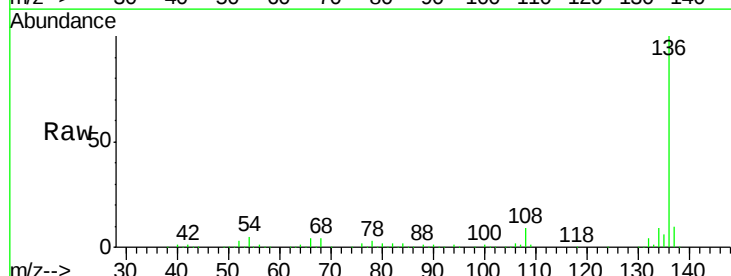
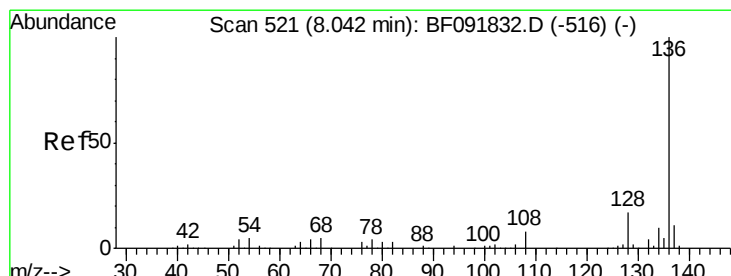
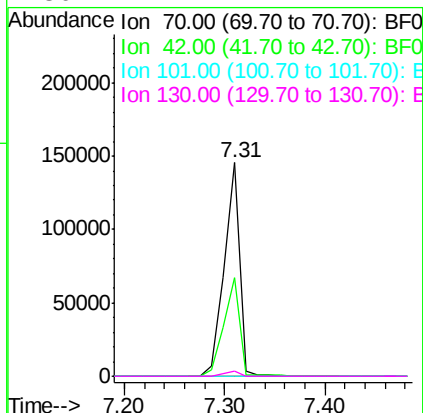




#19
n-Nitroso-di-n-propylamine
Concen: 14.85 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.13 min
Lab File: BF091950.D
Acq: 24 Dec 2016 4:40

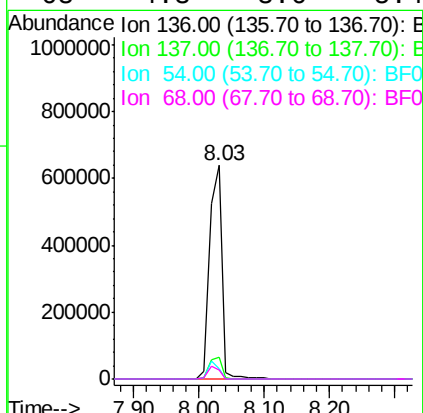
Instrument :
BNA_F
ClientSampleId :
W-13

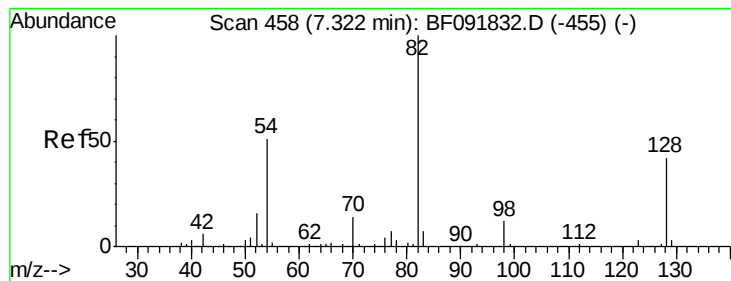
Tgt Ion:	70	Resp:	155201
Ion	Ratio	Lower	Upper
70	100		
42	46.2	49.4	74.0#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091950.D
Acq: 24 Dec 2016 4:40

Tgt Ion:	136	Resp:	849953
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	4.9	4.5	6.7
68	4.3	3.6	5.4





#23

Nitrobenzene-d5

Concen: 76.45 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

Instrument :

BNA_F

ClientSampleId :

W-13

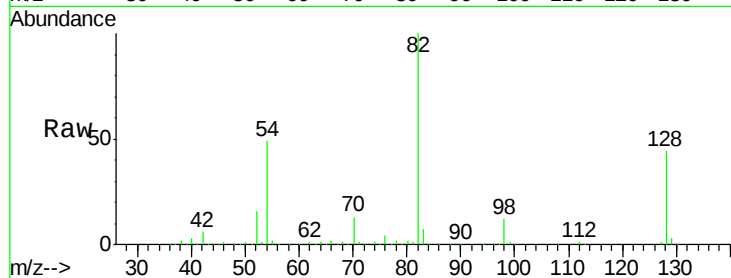
Tgt Ion: 82 Resp: 1168513

Ion Ratio Lower Upper

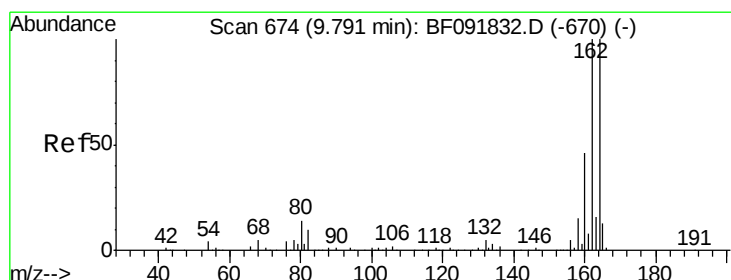
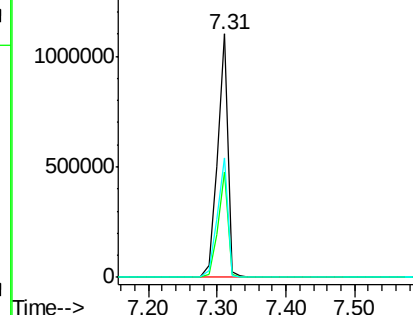
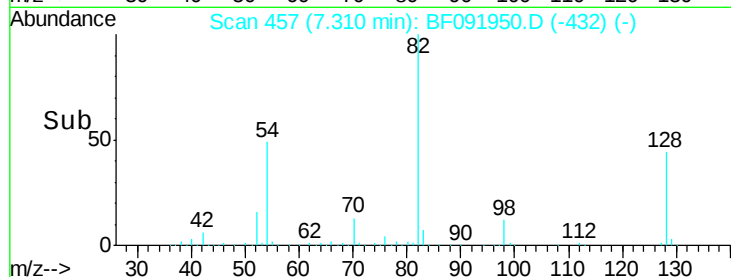
82 100

128 43.5 34.6 52.0

54 49.0 39.5 59.3



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

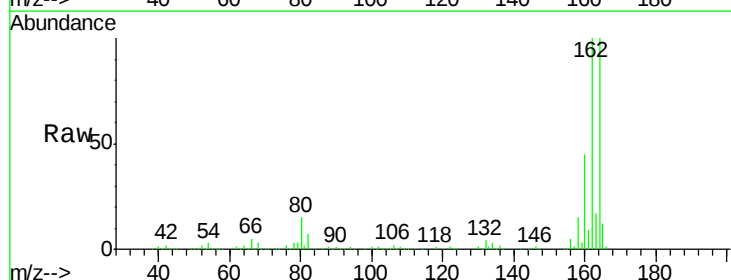
Tgt Ion: 164 Resp: 418109

Ion Ratio Lower Upper

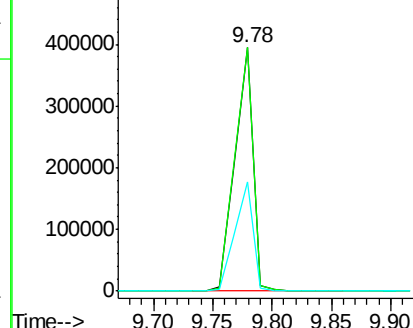
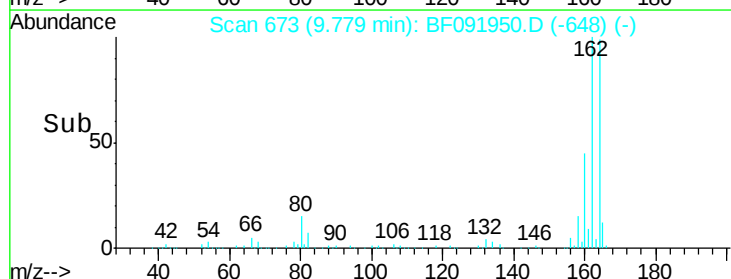
164 100

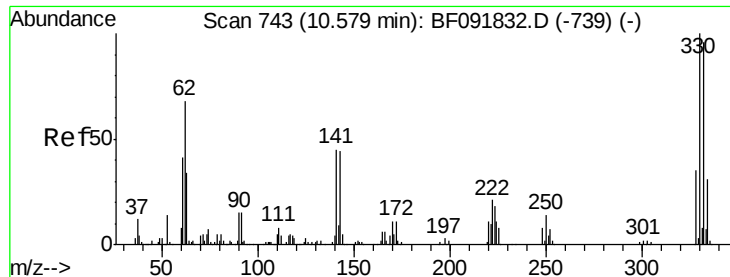
162 100.1 80.2 120.2

160 44.7 36.9 55.3



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

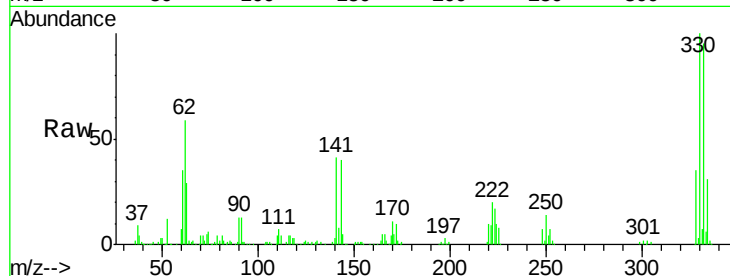




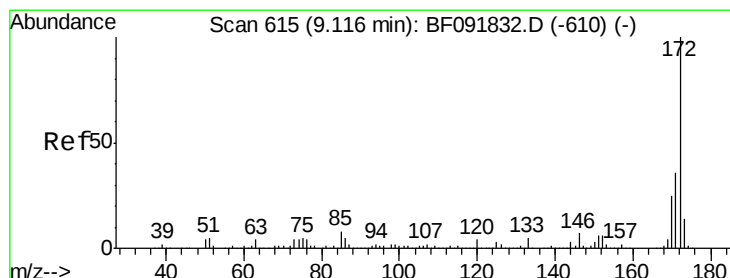
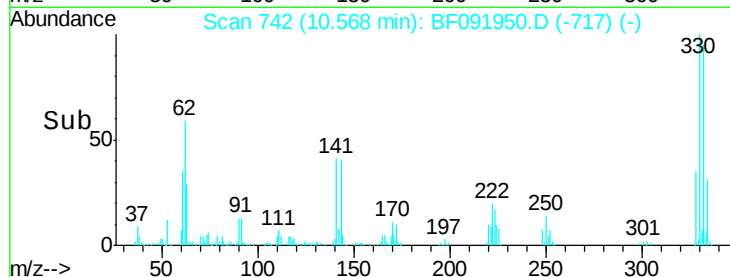
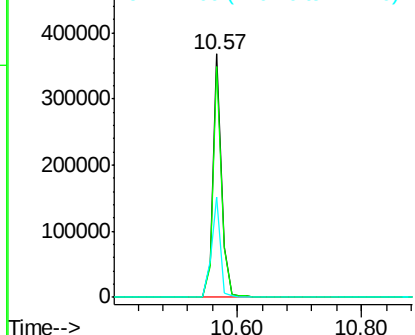
#41
 2,4,6-Tribromophenol
 Concen: 101.74 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF091950.D
 Acq: 24 Dec 2016 4:40

Instrument :
 BNA_F
 ClientSampleId :
 W-13

Tgt Ion:330 Resp: 352049
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.4 116.2
 141 42.4 34.1 51.1

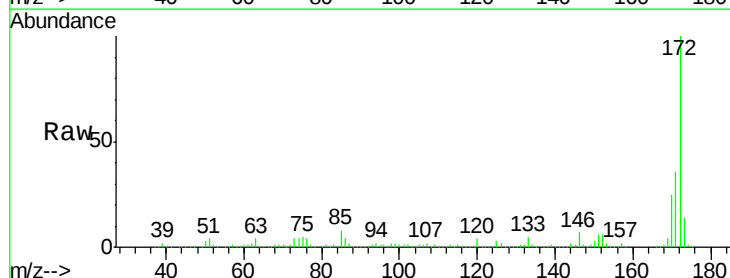


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

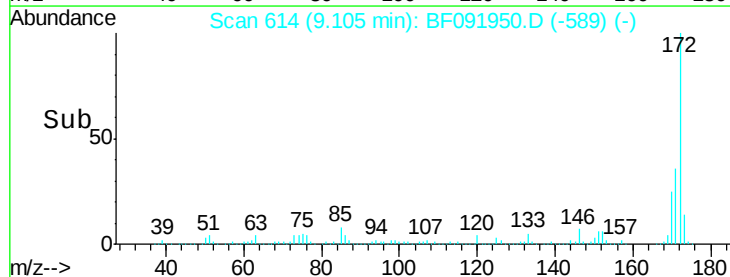
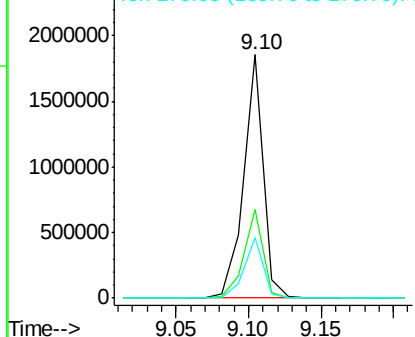


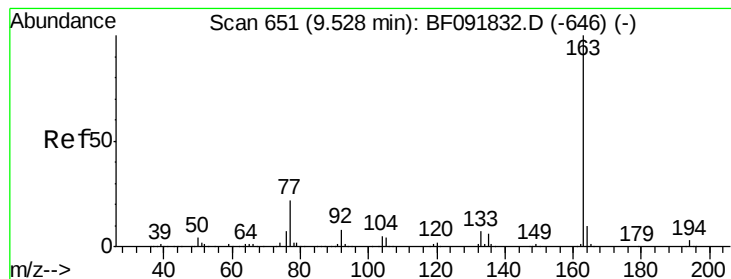
#44
 2-Fluorobiphenyl
 Concen: 84.76 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091950.D
 Acq: 24 Dec 2016 4:40

Tgt Ion:172 Resp: 1730419
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.8 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: 3.38 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

Instrument :

BNA_F

ClientSampleId :

W-13

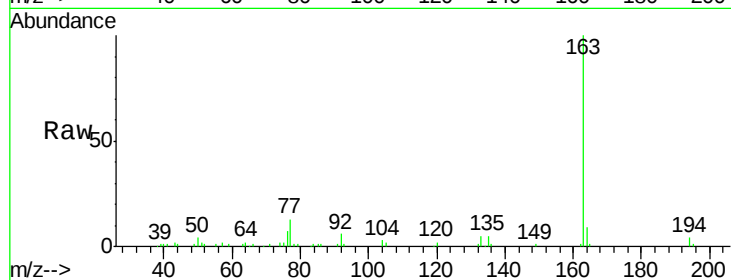
Tgt Ion:163 Resp: 90354

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

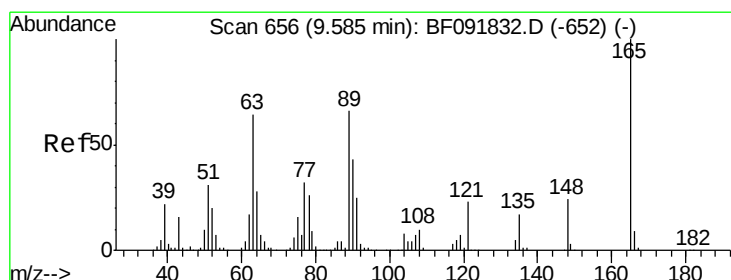
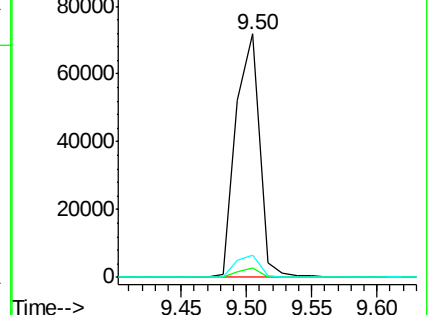
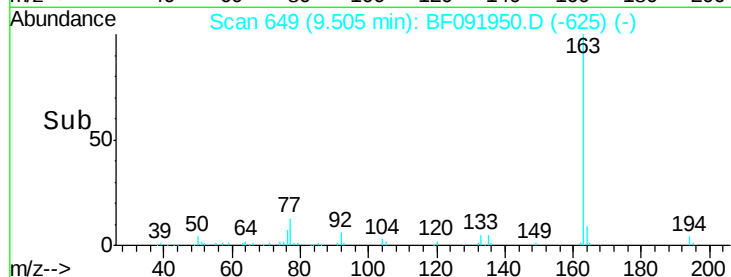
164 9.3 8.0 12.0



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: 9.11 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.19 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

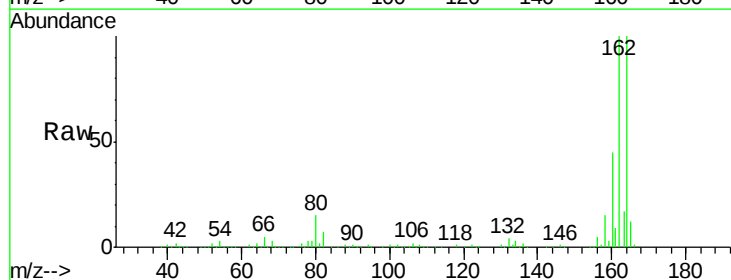
Tgt Ion:165 Resp: 53297

Ion Ratio Lower Upper

165 100

63 0.8 36.2 54.4#

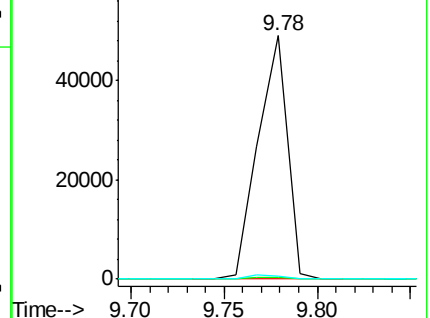
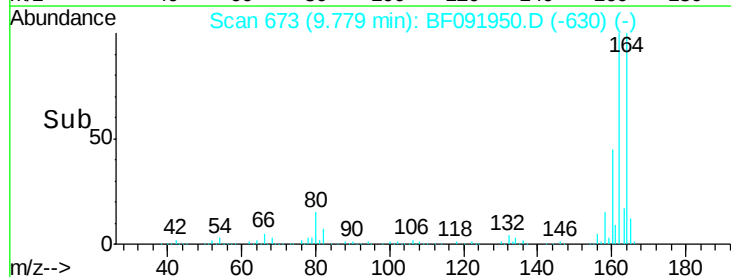
89 1.2 40.2 60.4#

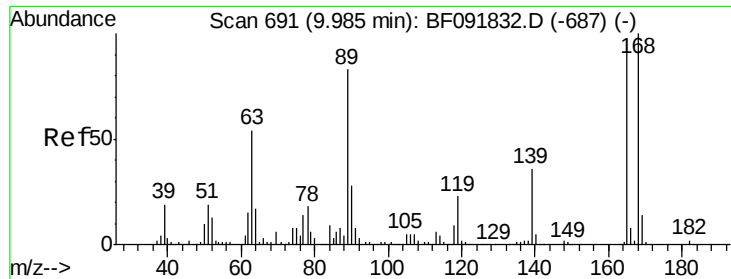


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

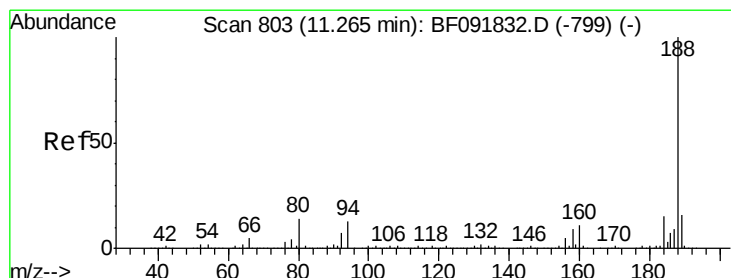
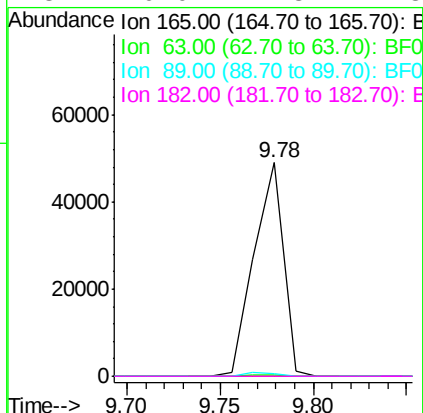
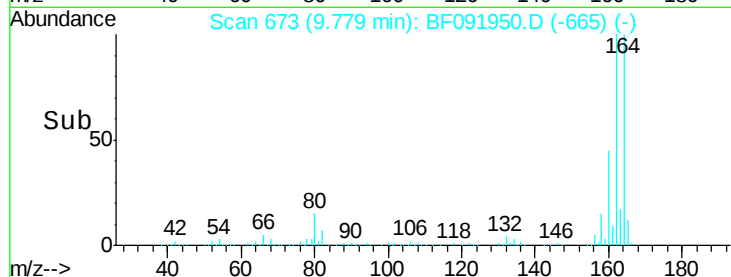
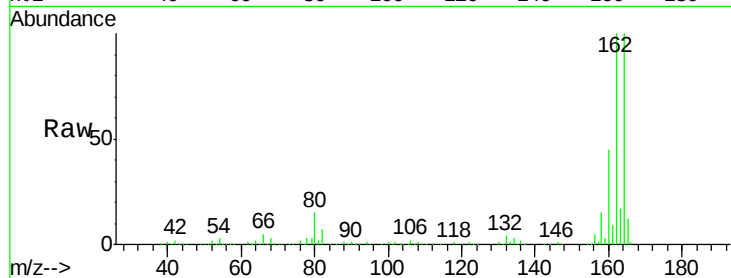




#56
 2,4-Dinitrotoluene
 Concen: 7.25 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.21 min
 Lab File: BF091950.D
 Acq: 24 Dec 2016 4:40

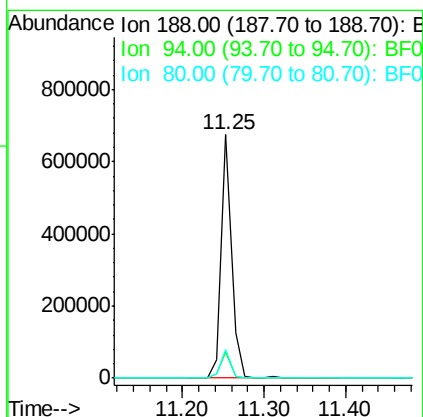
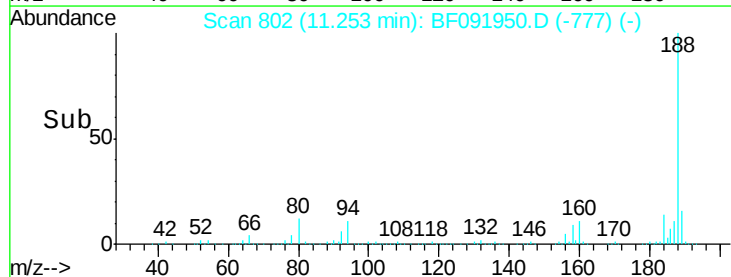
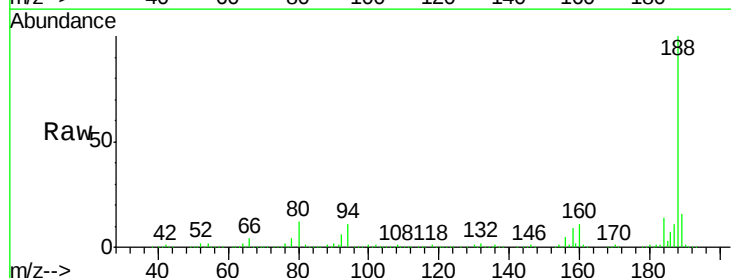
Instrument :
 BNA_F
 ClientSampleId :
 W-13

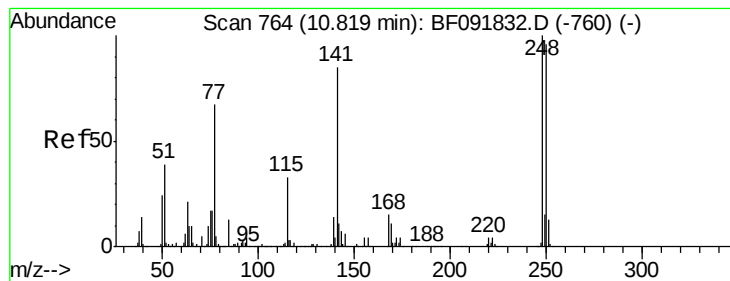
Tgt Ion:	165	Resp:	53297
Ion Ratio	Lower	Upper	
165	100		
63	0.8	40.2	60.4#
89	1.2	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091950.D
 Acq: 24 Dec 2016 4:40

Tgt Ion:	188	Resp:	597607
Ion Ratio	Lower	Upper	
188	100		
94	10.5	10.0	15.0
80	11.7	11.2	16.8





#66

4-Bromophenyl-phenylether

Concen: 3.83 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.25 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

Instrument :

BNA_F

ClientSampleId :

W-13

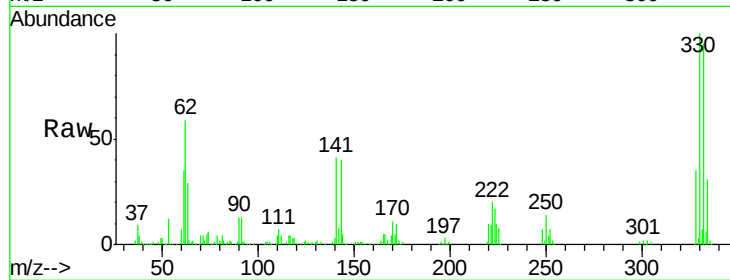
Tgt Ion:248 Resp: 23793

Ion Ratio Lower Upper

248 100

250 197.4 76.9 115.3#

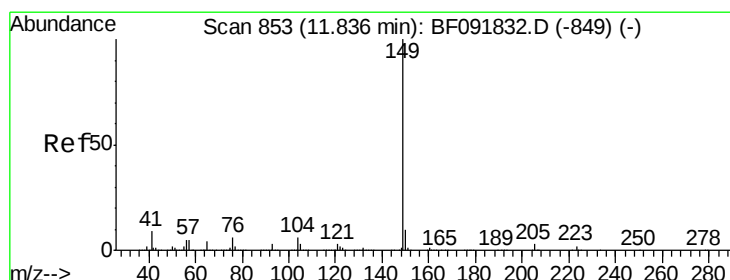
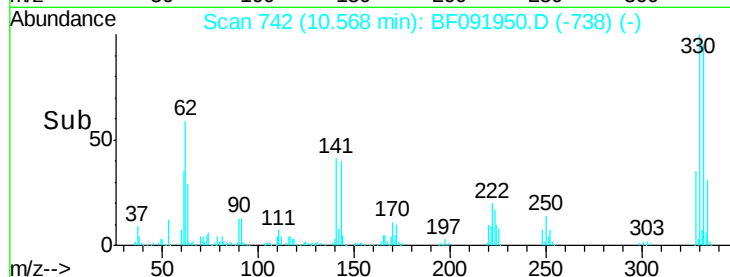
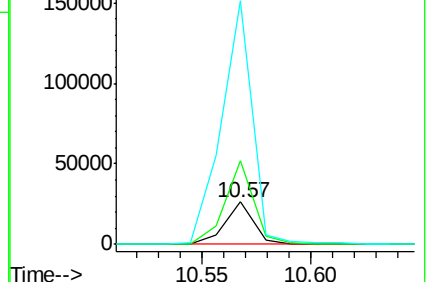
141 578.2 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

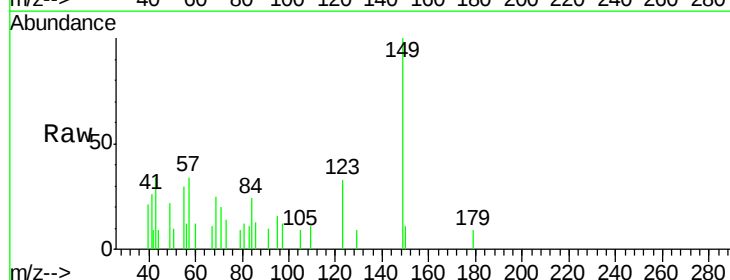
Tgt Ion:149 Resp: 3014

Ion Ratio Lower Upper

149 100

150 11.4 8.1 12.1

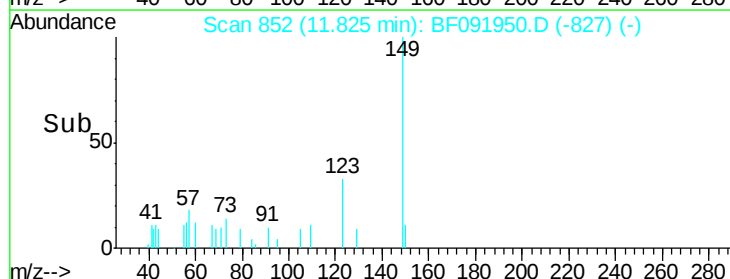
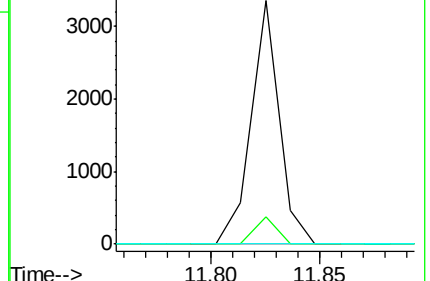
104 0.0 4.6 7.0#

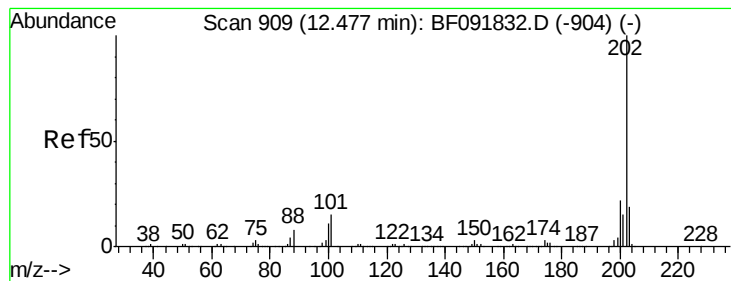


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.46 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

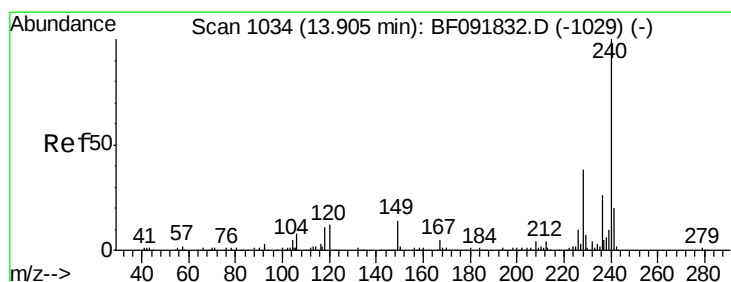
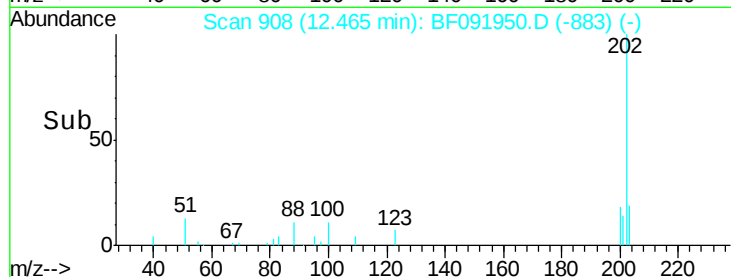
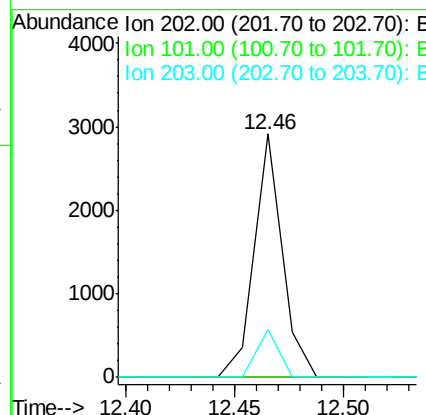
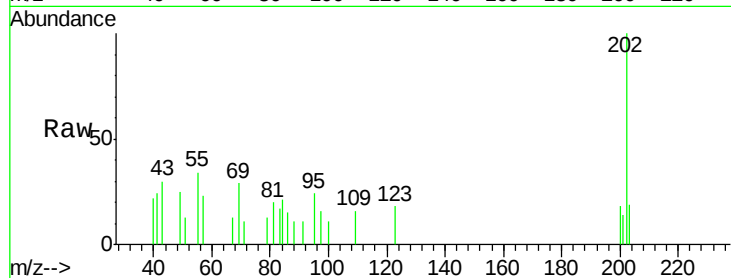
Instrument :

BNA_F

ClientSampleId :

W-13

Tgt Ion:	202	Resp:	2616
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	34.6
203	19.5	0.0	38.7



#75

Chrysene-d12

Concen: 20.00 ng

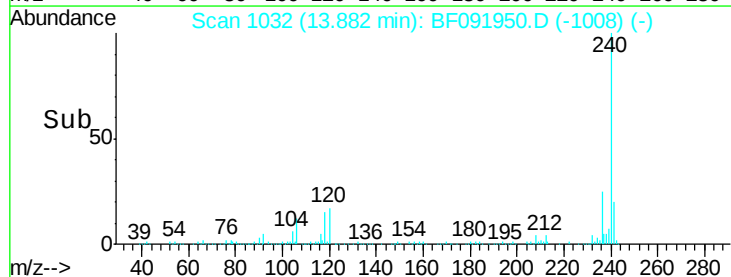
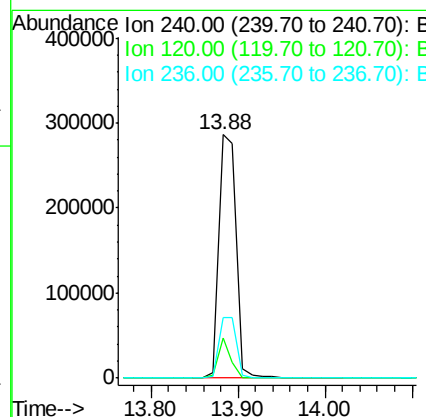
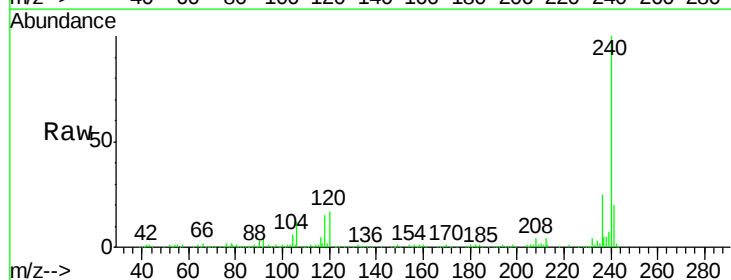
RT: 13.88 min Scan# 1032

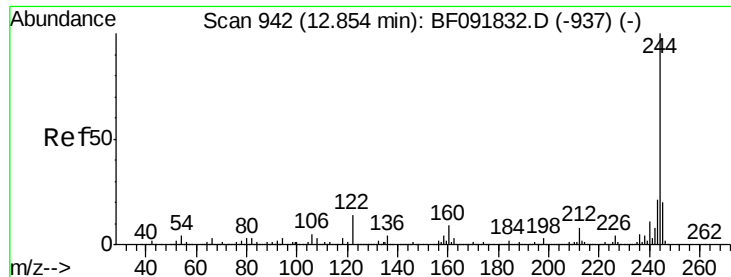
Delta R.T. -0.02 min

Lab File: BF091950.D

Acq: 24 Dec 2016 4:40

Tgt Ion:	240	Resp:	405312
Ion	Ratio	Lower	Upper
240	100		
120	16.6	12.9	19.3
236	24.7	20.9	31.3

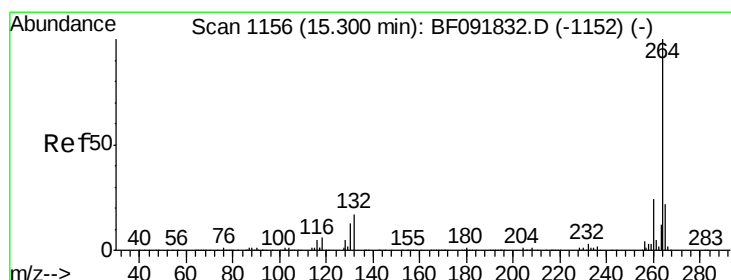
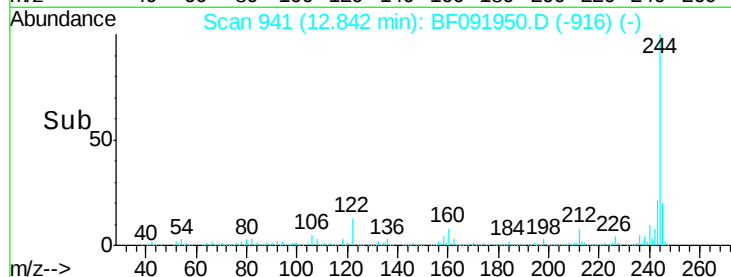
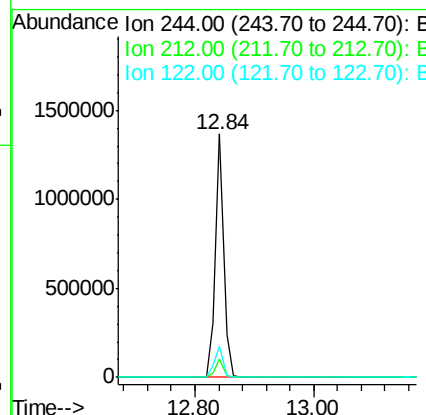
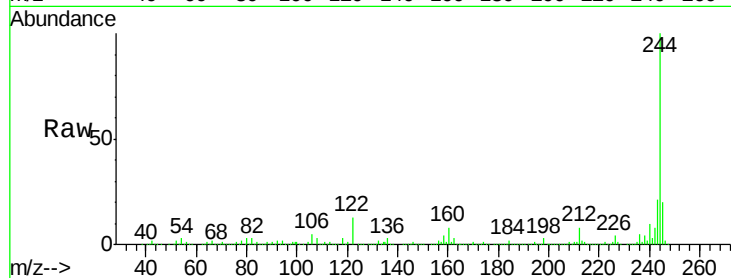




#78
 Terphenyl-d14
 Concen: 79.37 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF091950.D
 Acq: 24 Dec 2016 4:40

Instrument :
 BNA_F
 ClientSampleId :
 W-13

Tgt Ion:244 Resp: 1326462
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 13.0 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF091950.D
 Acq: 24 Dec 2016 4:40

Tgt Ion:264 Resp: 388613
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.1 17.4 26.0

