

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088025.D
 Acq On : 15 Jun 2016 4:19
 Operator : UM/SJ
 Sample : H3425-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0882

Quant Time: Jun 15 05:31:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 04:08:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	86561	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	360110	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	159856	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	251791	20.00	ng	0.00
75) Chrysene-d12	13.94	240	215136	20.00	ng	0.00
86) Perylene-d12	15.35	264	163546	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	386065	76.25	ng	0.01
7) Phenol-d6	6.41	99	278621	45.40	ng	-0.01
23) Nitrobenzene-d5	7.35	82	494730	80.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	180580	106.98	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	972797	96.34	ng	0.00
78) Terphenyl-d14	12.89	244	692171	73.21	ng	0.00

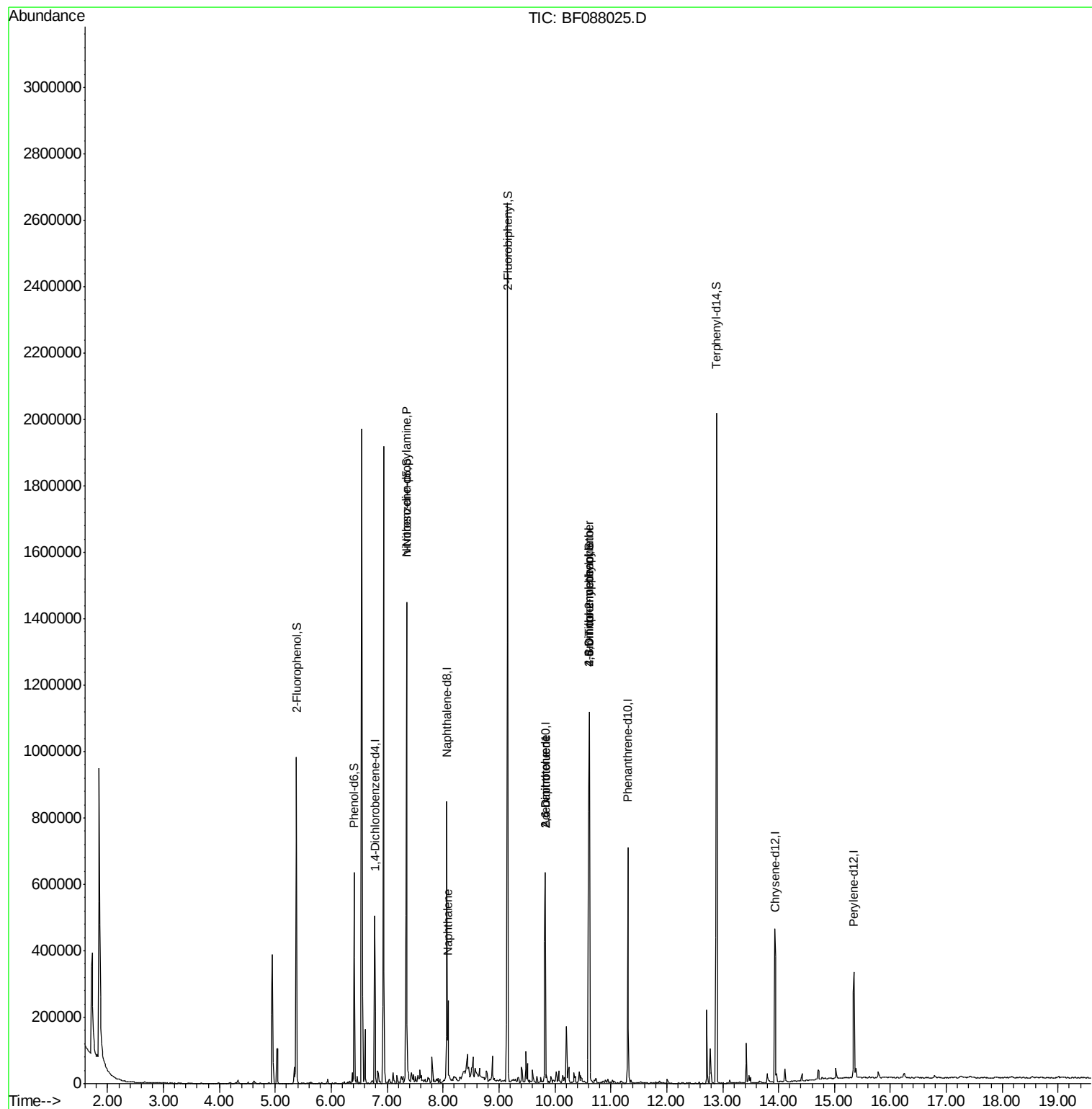
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.43	94	1455	Below Cal		87
19) n-Nitroso-di-n-propylamine	7.35	70	66076	16.83 ng	#	71
31) Naphthalene	8.09	128	96235	5.40 ng		98
45) 1,1'-Biphenyl	9.24	154	1600	Below Cal		84
50) 2,6-Dinitrotoluene	9.83	165	20920	7.89 ng	#	39
56) 2,4-Dinitrotoluene	9.83	165	20920	6.14 ng	#	37
57) Fluorene	10.36	166	3764	Below Cal	#	95
64) 4,6-Dinitro-2-methylphenol	10.62	198	269	2.33 ng	#	1
66) 4-Bromophenyl-phenylether	10.62	248	11857	4.39 ng	#	1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF088025.D

Acq: 15 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0882

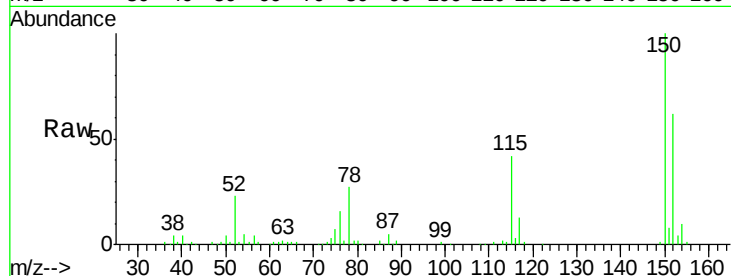
Tgt Ion:152 Resp: 86561

Ion Ratio Lower Upper

152 100

150 160.6 123.8 185.6

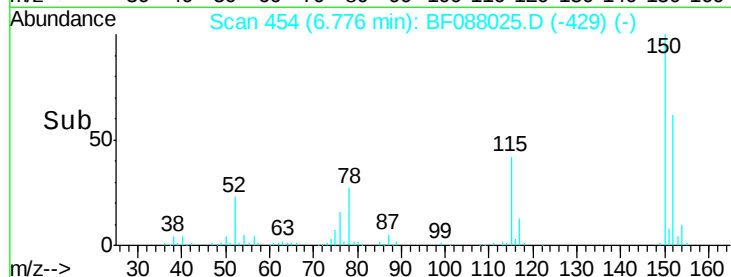
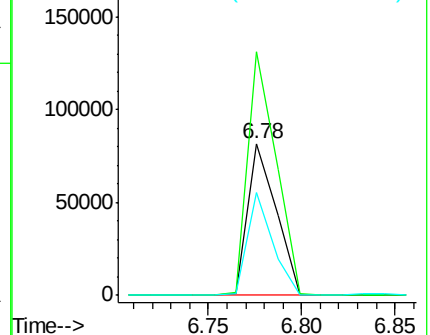
115 67.5 39.6 59.4#



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: 76.25 ng

RT: 5.38 min Scan# 332

Delta R.T. 0.01 min

Lab File: BF088025.D

Acq: 15 Jun 2016 4:19

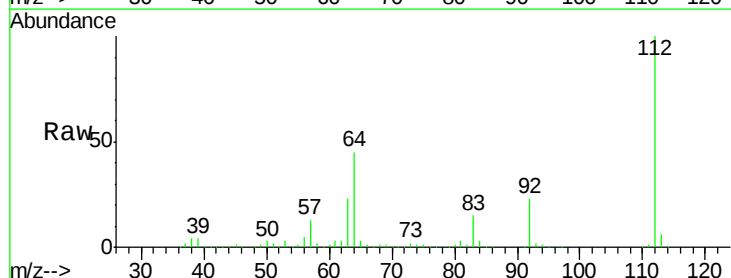
Tgt Ion:112 Resp: 386065

Ion Ratio Lower Upper

112 100

64 45.5 42.2 63.2

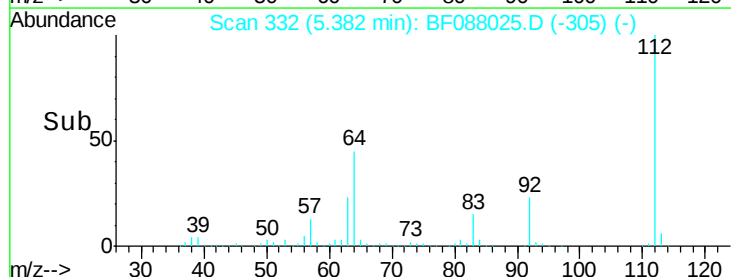
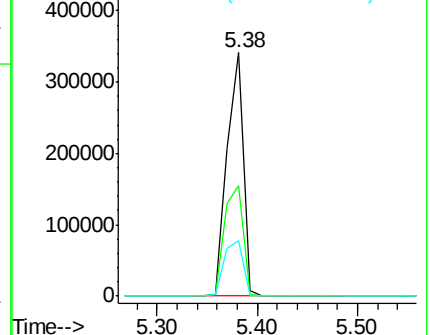
63 22.7 21.8 32.8



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: 45.40 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF088025.D

Acq: 15 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0882

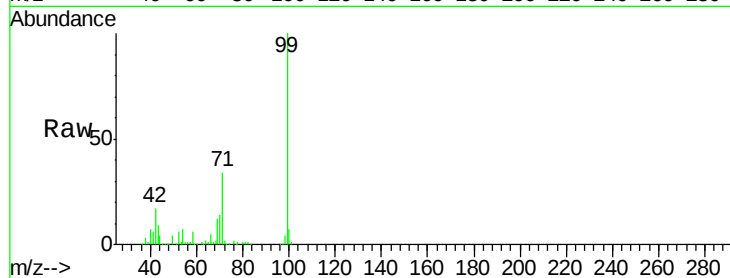
Tgt Ion: 99 Resp: 278621

Ion Ratio Lower Upper

99 100

42 17.3 12.2 18.2

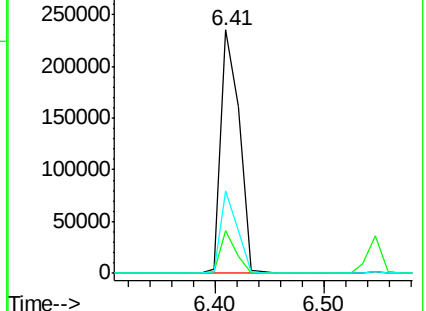
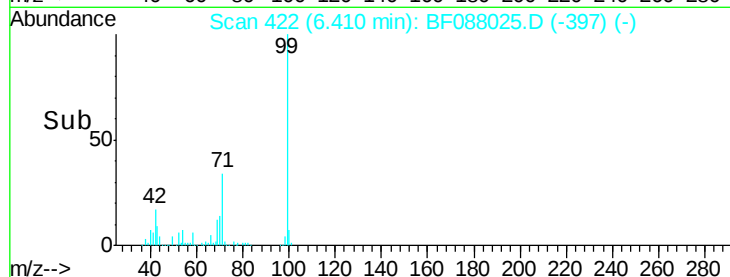
71 33.6 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.43 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF088025.D

Acq: 15 Jun 2016 4:19

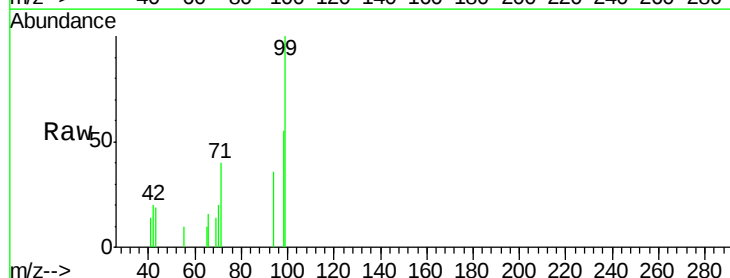
Tgt Ion: 94 Resp: 1455

Ion Ratio Lower Upper

94 100

65 28.2 5.9 45.9

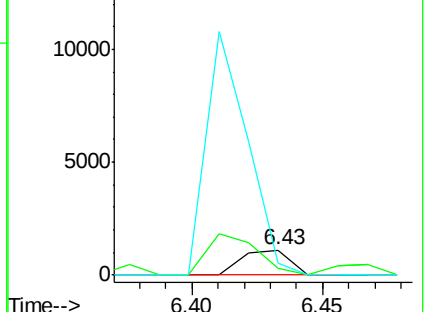
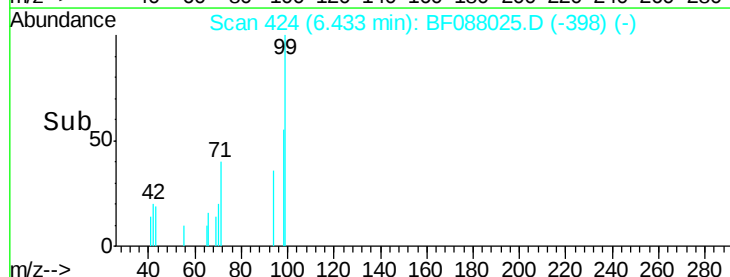
66 44.9 14.0 54.0

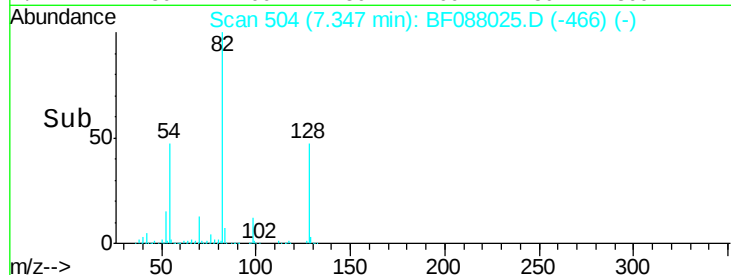
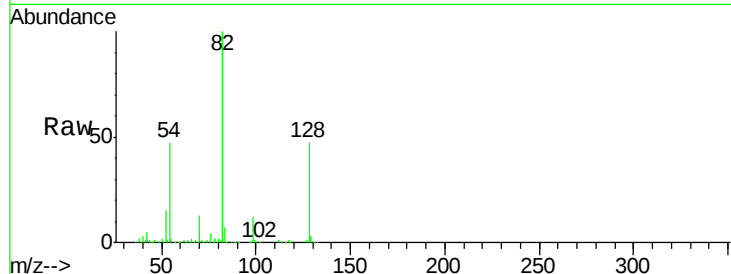


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

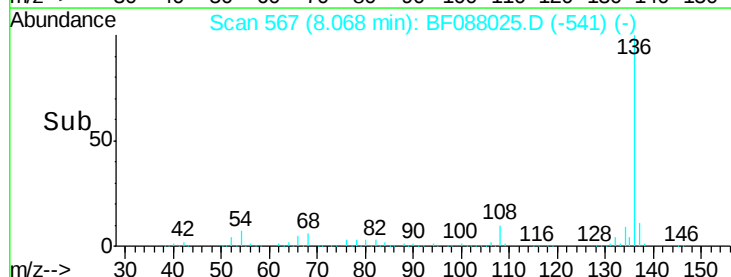
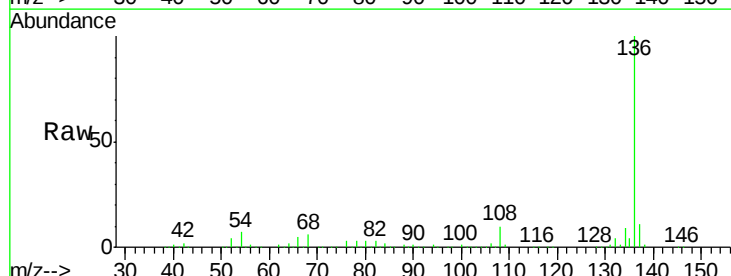
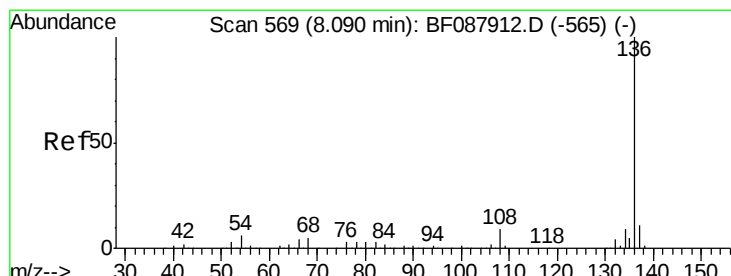
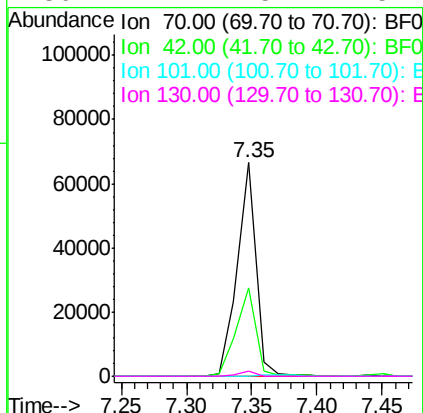




#19
n-Nitroso-di-n-propylamine
Concen: 16.83 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.14 min
Lab File: BF088025.D
Acq: 15 Jun 2016 4:19

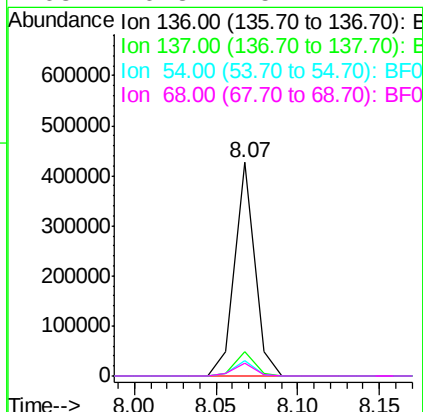
Instrument :
BNA_F
ClientSampleId :
SP16-JMW0882

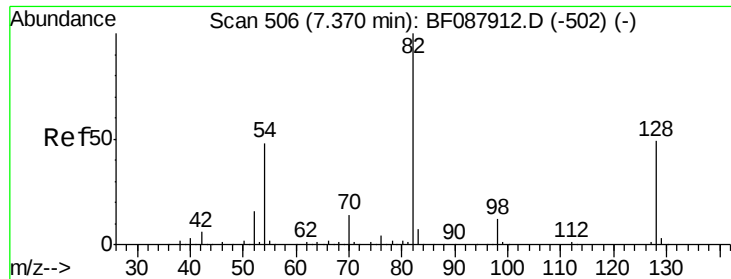
Tgt Ion: 70 Resp: 66076
Ion Ratio Lower Upper
70 100
42 41.1 49.6 74.4#
101 0.0 7.1 10.7#
130 2.4 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF088025.D
Acq: 15 Jun 2016 4:19

Tgt Ion: 136 Resp: 360110
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.3 6.6 10.0
68 6.3 5.1 7.7

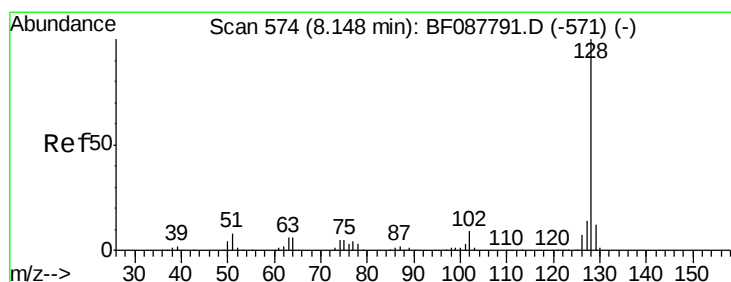
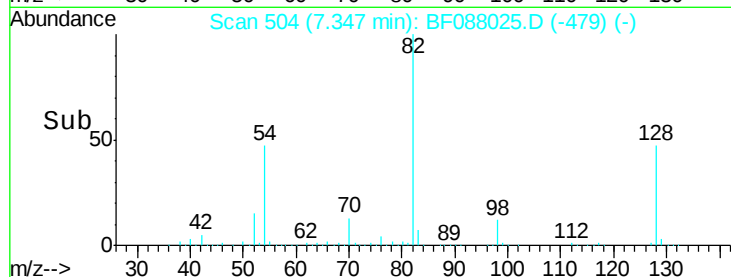
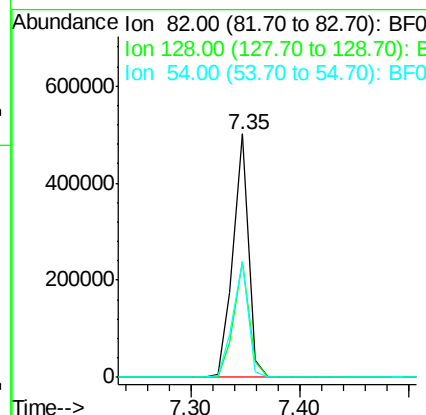
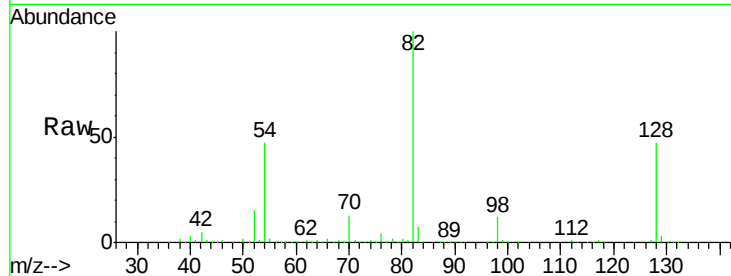




#23
 Nitrobenzene-d5
 Concen: 80.22 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF088025.D
 Acq: 15 Jun 2016 4:19

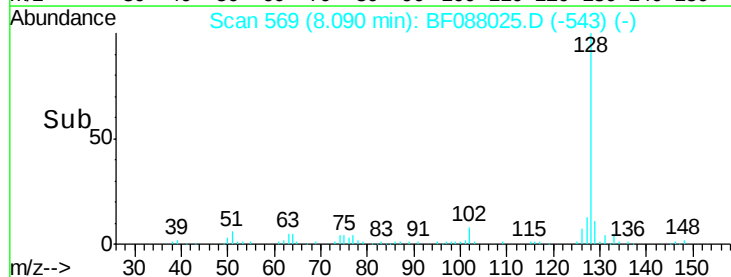
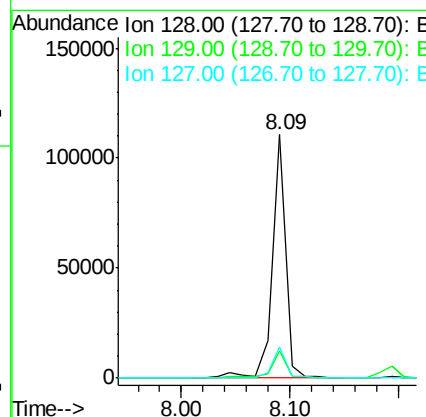
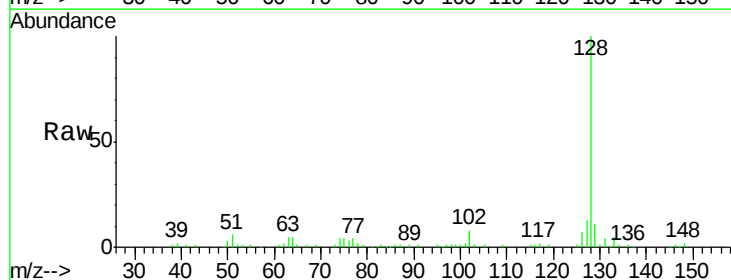
Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0882

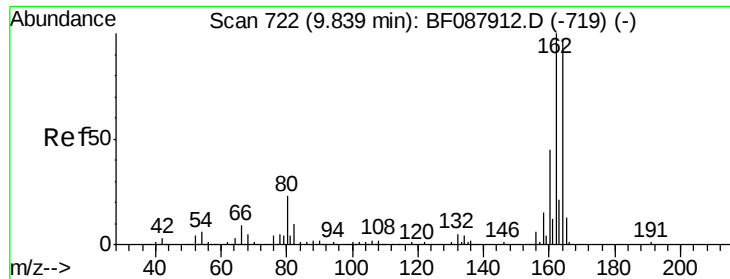
Tgt Ion: 82 Resp: 494730
 Ion Ratio Lower Upper
 82 100
 128 47.3 35.9 53.9
 54 47.2 40.9 61.3



#31
 Naphthalene
 Concen: 5.40 ng
 RT: 8.09 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: BF088025.D
 Acq: 15 Jun 2016 4:19

Tgt Ion: 128 Resp: 96235
 Ion Ratio Lower Upper
 128 100
 129 11.3 9.4 14.2
 127 12.9 10.9 16.3

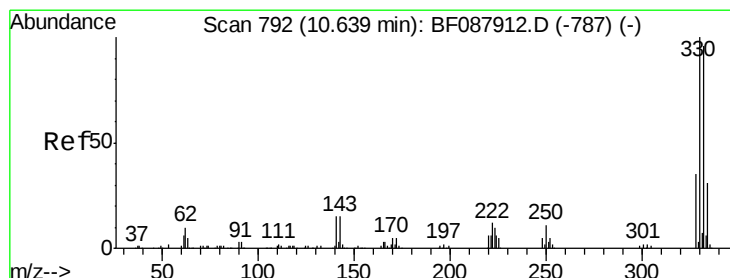
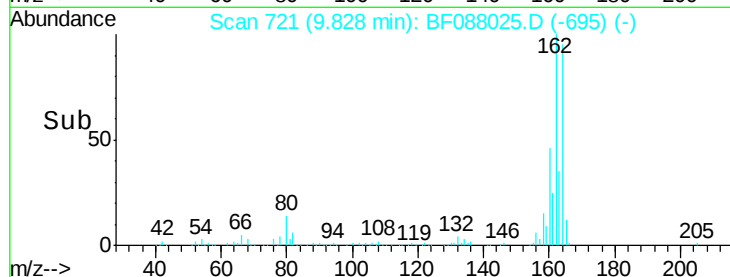
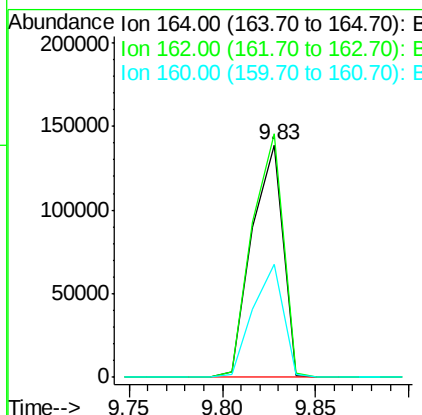
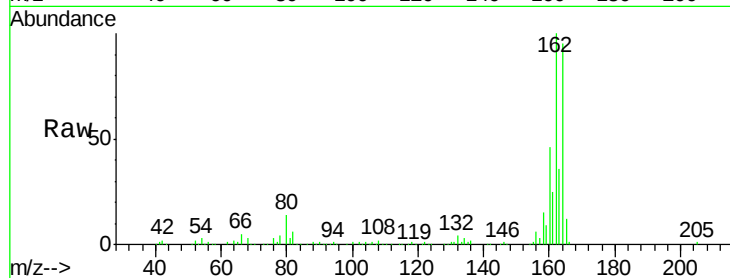




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: BF088025.D
 Acq: 15 Jun 2016 4:19

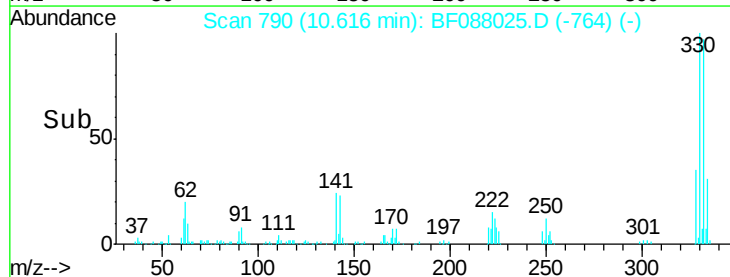
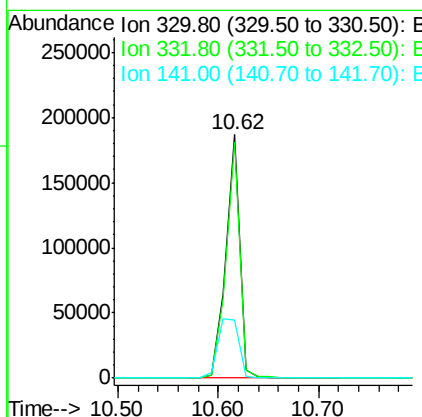
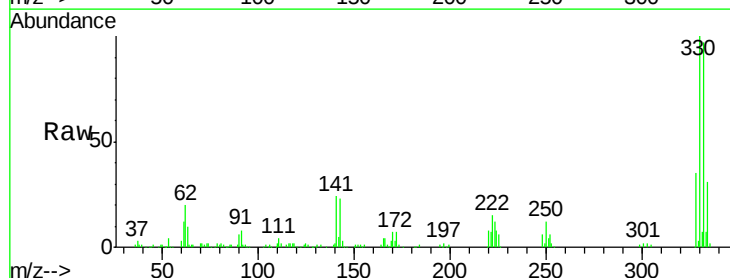
Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0882

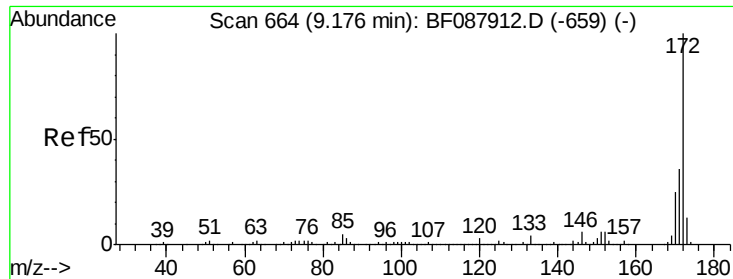
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	85.4	128.2
160	48.5	39.5	59.3



#41
 2,4,6-Tribromophenol
 Concen: 106.98 ng
 RT: 10.62 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BF088025.D
 Acq: 15 Jun 2016 4:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	36.7	0.0	0.0#





#44

2-Fluorobiphenyl

Concen: 96.34 ng

RT: 9.15 min Scan# 662

Delta R.T. 0.00 min

Lab File: BF088025.D

Acq: 15 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0882

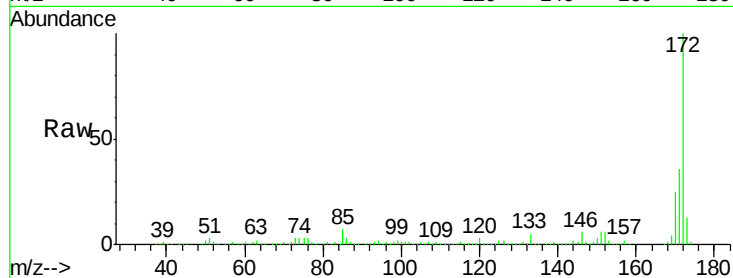
Tgt Ion:172 Resp: 972797

Ion Ratio Lower Upper

172 100

171 36.1 28.6 43.0

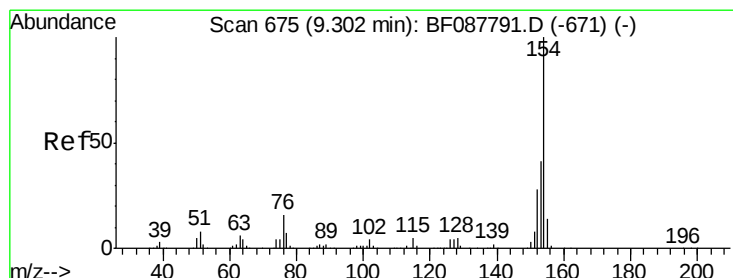
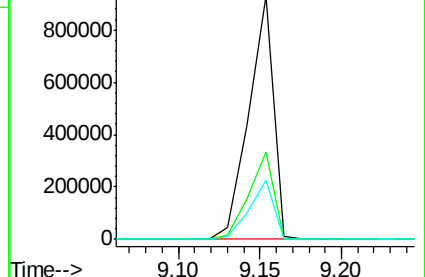
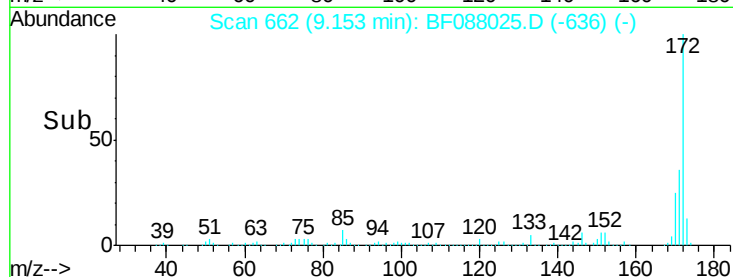
170 24.5 19.2 28.8



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



#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.24 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF088025.D

Acq: 15 Jun 2016 4:19

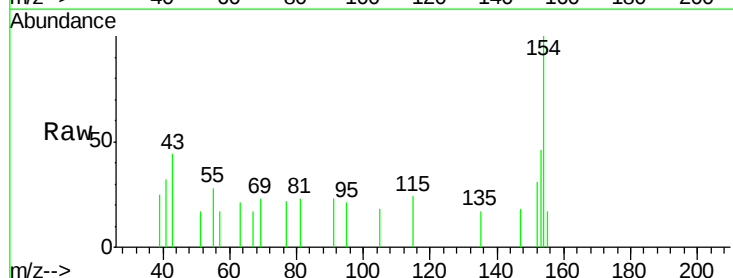
Tgt Ion:154 Resp: 1600

Ion Ratio Lower Upper

154 100

153 46.2 20.6 60.6

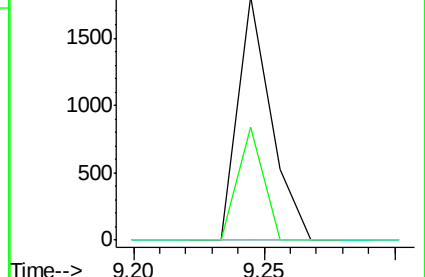
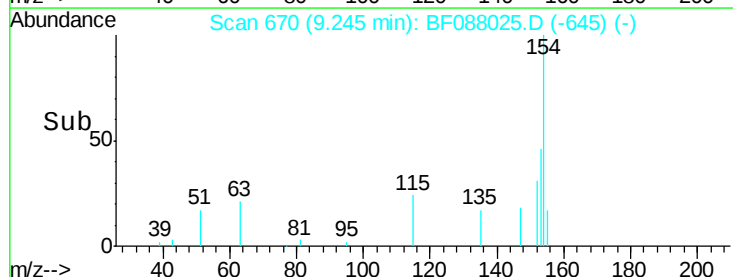
76 0.0 0.0 35.1

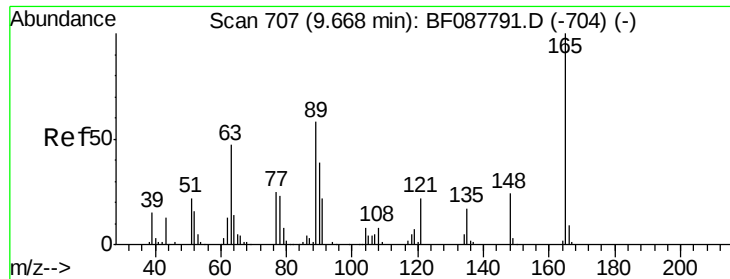


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

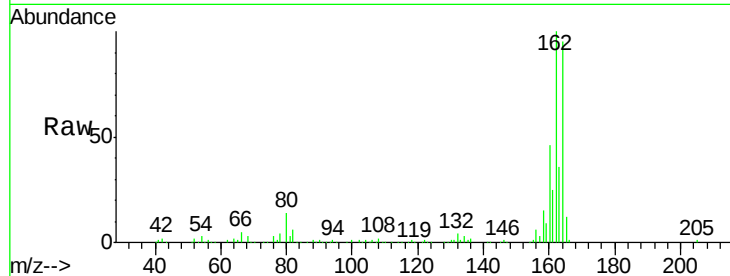




#50
 2,6-Dinitrotoluene
 Concen: 7.89 ng
 RT: 9.83 min Scan# 721
 Delta R.T. 0.21 min
 Lab File: BF088025.D
 Acq: 15 Jun 2016 4:19

Instrument :
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 SP16-JMW0882

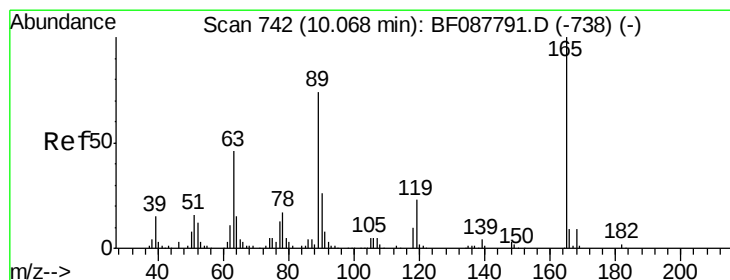
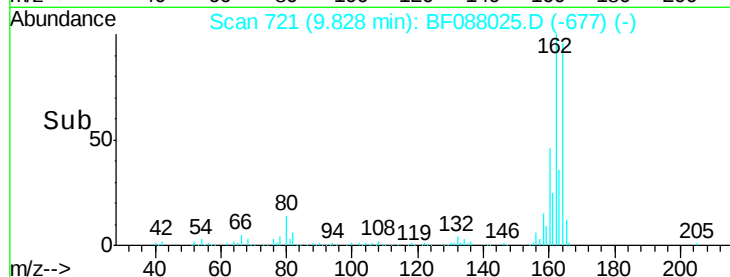
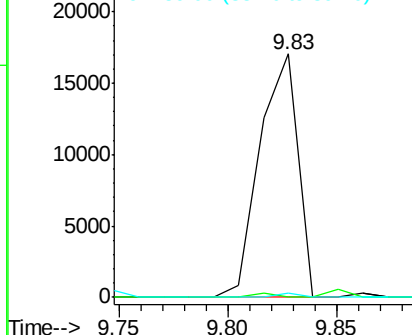
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	1.9	32.2	48.2#



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: 6.14 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.19 min
 Lab File: BF088025.D
 Acq: 15 Jun 2016 4:19

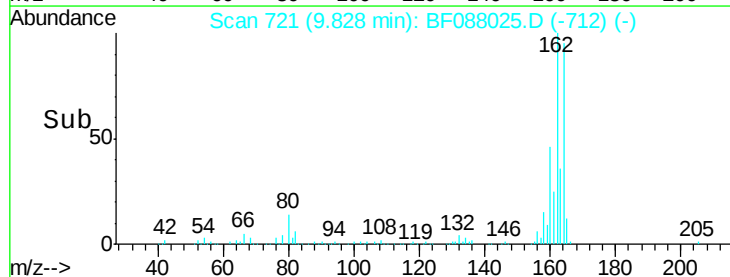
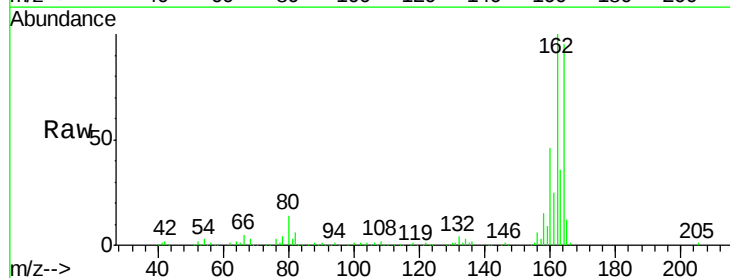
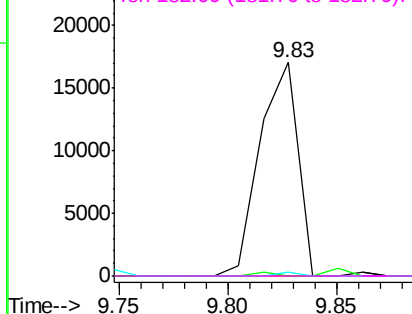
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.9	41.1	61.7#
182	0.0	2.0	3.0#

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

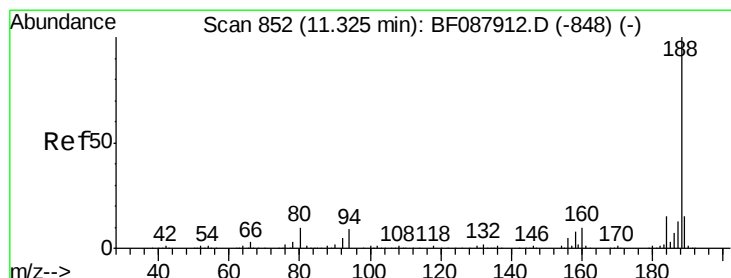
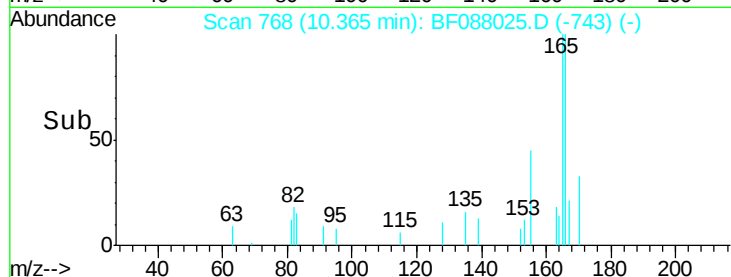
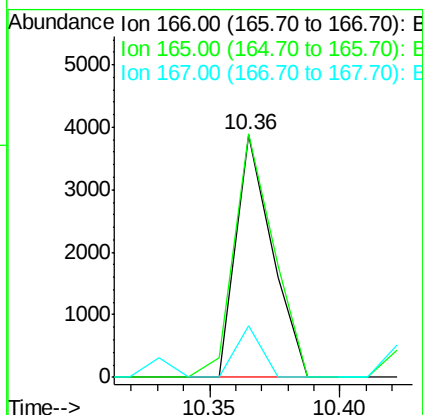
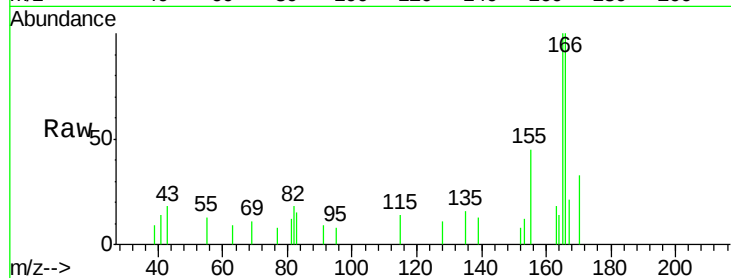




#57
 Fluorene
 Concen: Below Cal
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF088025.D
 Acq: 15 Jun 2016 4:19

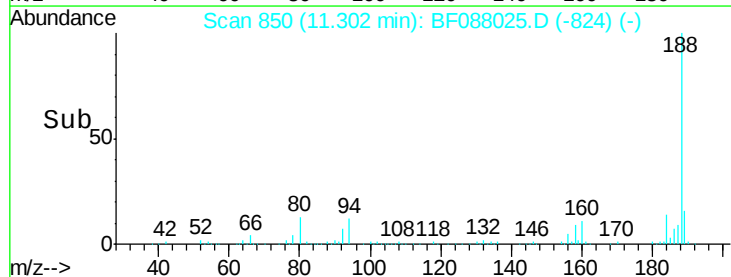
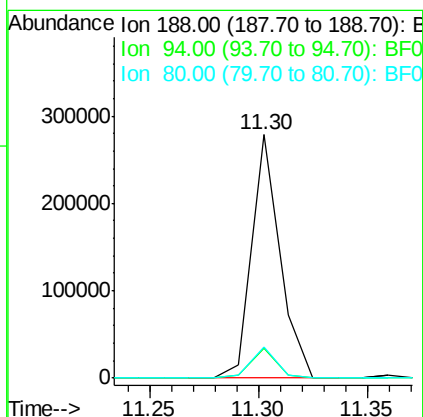
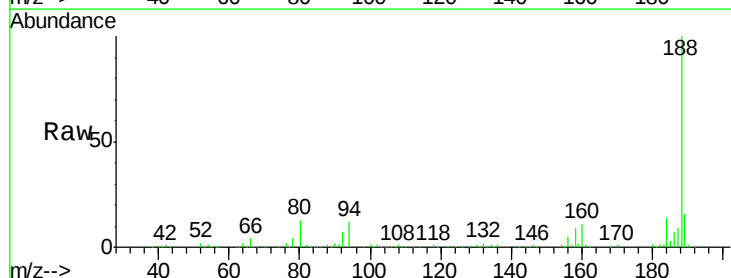
Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0882

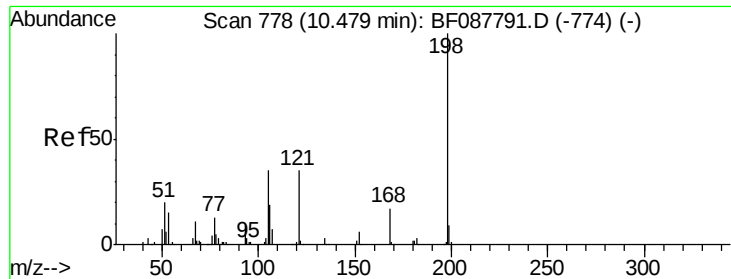
Tgt Ion:166 Resp: 3764
 Ion Ratio Lower Upper
 166 100
 165 100.2 77.8 116.8
 167 21.0 11.2 16.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: BF088025.D
 Acq: 15 Jun 2016 4:19

Tgt Ion:188 Resp: 251791
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.0 13.6
 80 12.8 10.0 15.0

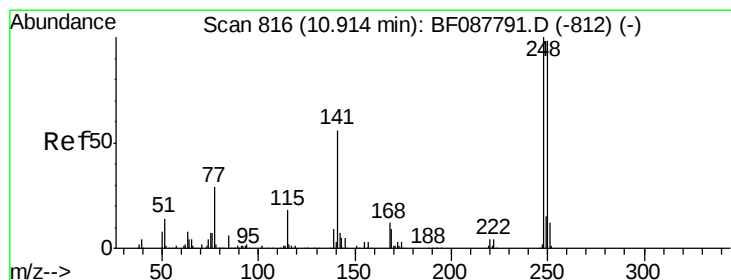
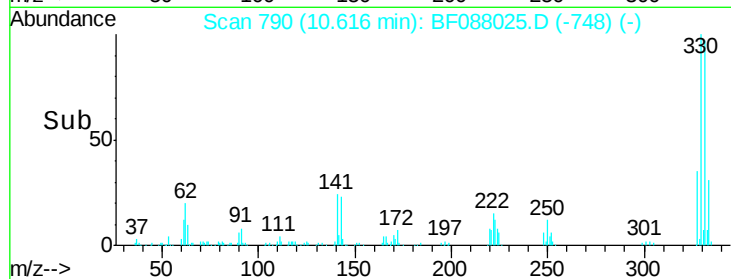
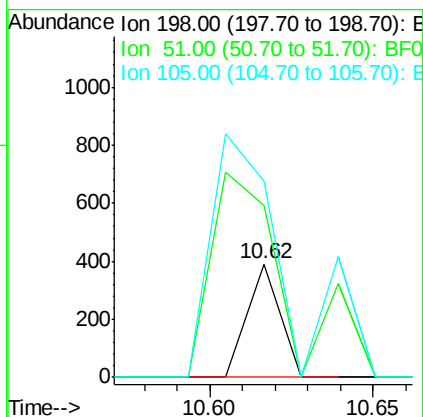
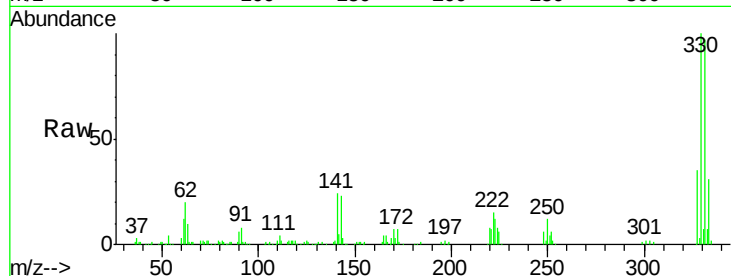




#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.33 ng
 RT: 10.62 min Scan# 790
 Delta R.T. 0.18 min
 Lab File: BF088025.D
 Acq: 15 Jun 2016 4:19

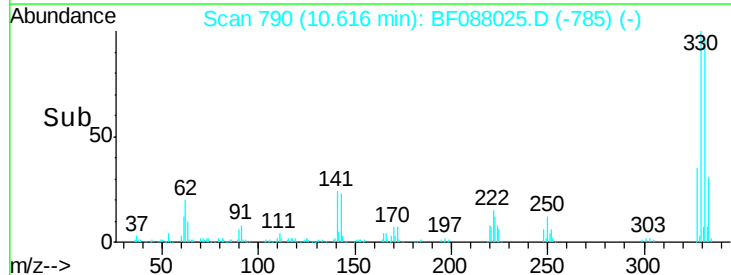
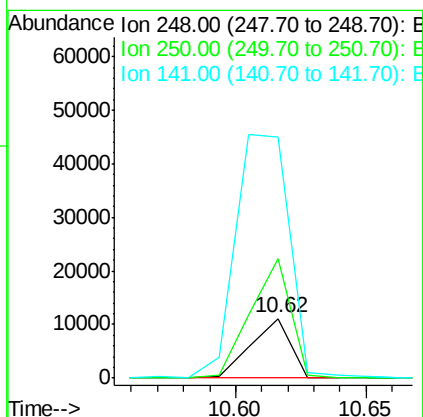
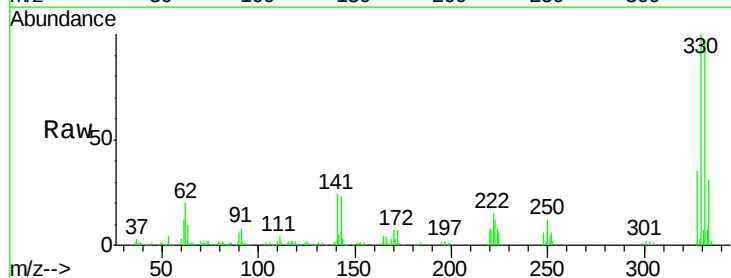
Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0882

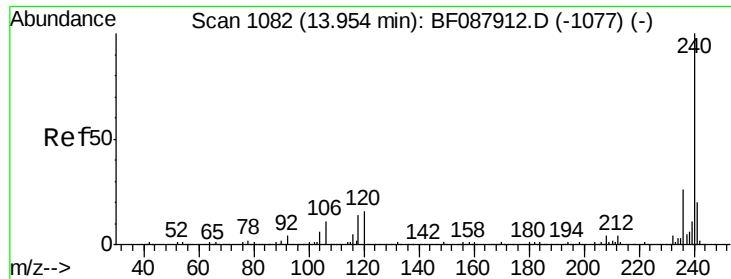
Tgt Ion:198 Resp: 269
 Ion Ratio Lower Upper
 198 100
 51 151.3 39.6 79.6#
 105 173.0 36.6 76.6#



#66
 4-Bromophenyl-phenylether
 Concen: 4.39 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.24 min
 Lab File: BF088025.D
 Acq: 15 Jun 2016 4:19

Tgt Ion:248 Resp: 11857
 Ion Ratio Lower Upper
 248 100
 250 200.2 77.1 115.7#
 141 406.0 50.6 76.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BF088025.D

Acq: 15 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0882

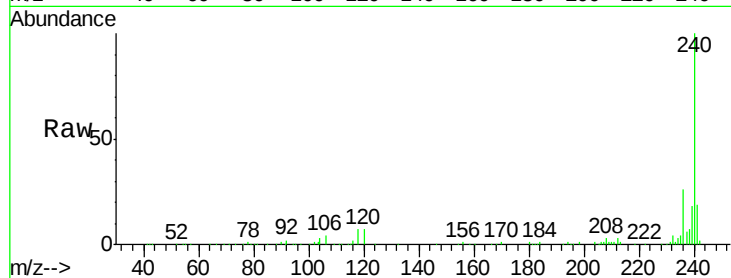
Tgt Ion:240 Resp: 215136

Ion Ratio Lower Upper

240 100

120 7.4 6.8 10.2

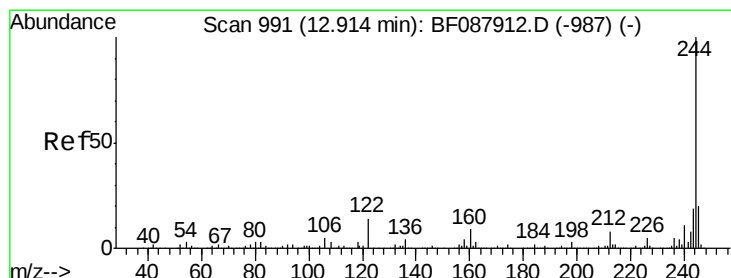
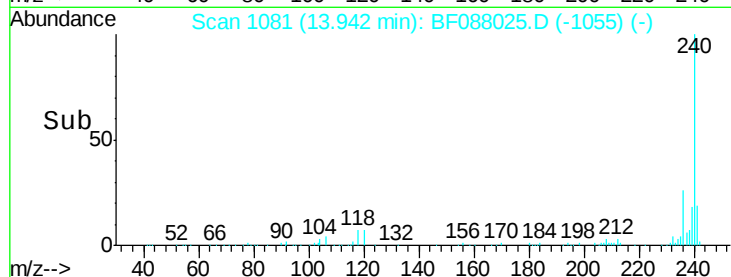
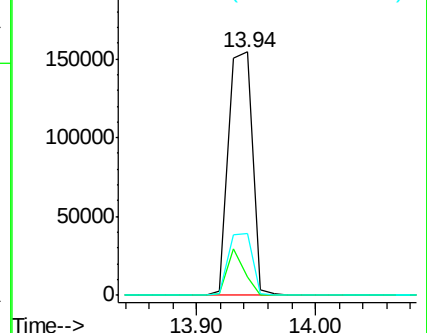
236 25.5 20.2 30.2



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: 73.21 ng

RT: 12.89 min Scan# 989

Delta R.T. 0.00 min

Lab File: BF088025.D

Acq: 15 Jun 2016 4:19

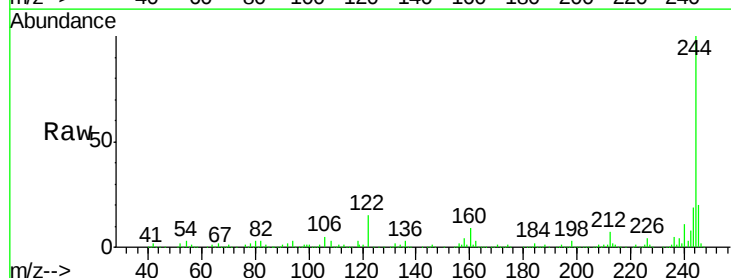
Tgt Ion:244 Resp: 692171

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

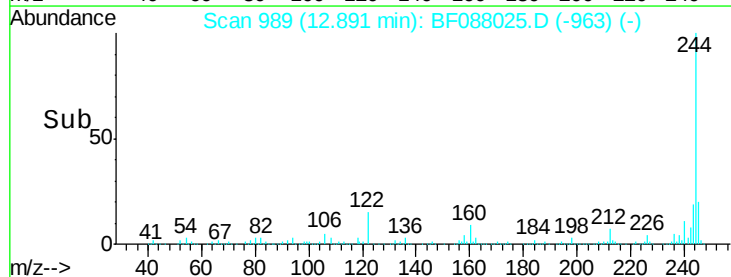
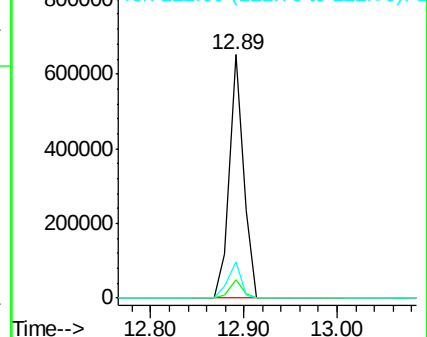
122 15.0 11.2 16.8

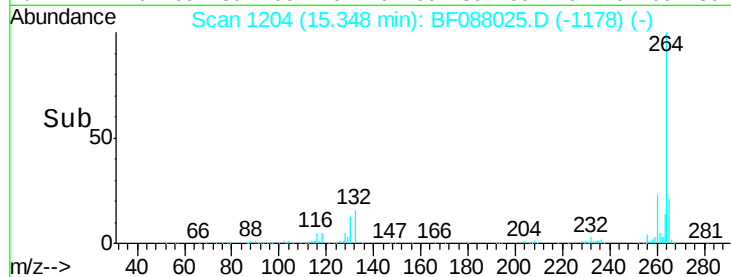
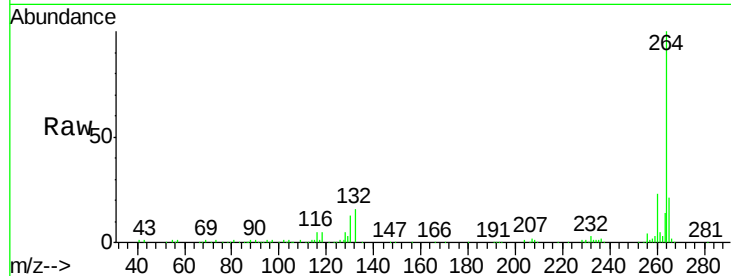
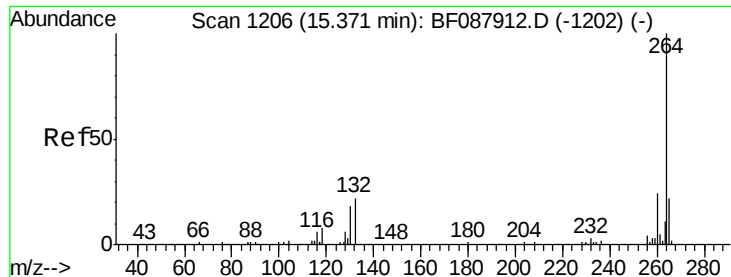


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.35 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BF088025.D

Acq: 15 Jun 2016 4:19

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0882

Tgt Ion:264 Resp: 163546

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 20.9 16.9 25.3

