

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091940.D
 Acq On : 23 Dec 2016 22:43
 Operator : UM/SJ
 Sample : H6226-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116

Quant Time: Dec 23 23:32:07 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	198902	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	778228	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	389909	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	547179	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	383890	20.00	ng	-0.02
86) Perylene-d12	15.28	264	326445	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1501974	126.09	ng	0.03
7) Phenol-d6	6.43	99	1756906	120.80	ng	0.02
23) Nitrobenzene-d5	7.31	82	1323276	94.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	386901	119.90	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2009747	109.30	ng	-0.01
78) Terphenyl-d14	12.84	244	1434002	90.59	ng	-0.01

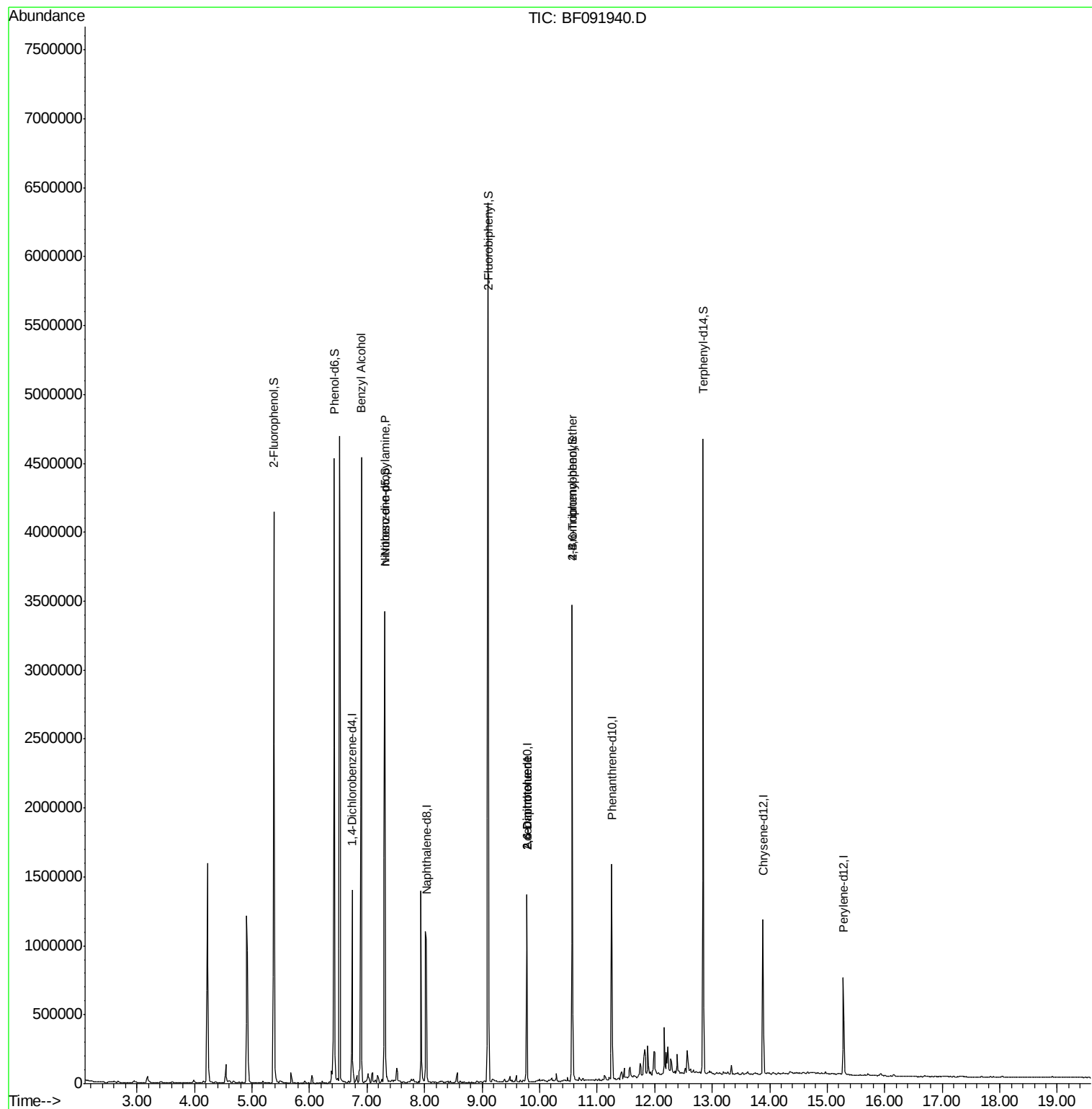
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.90	79	24986	2.21	ng	# 34
19) n-Nitroso-di-n-propylamine	7.31	70	188180	19.45	ng	# 78
37) 2-Methylnaphthalene	8.74	142	1160	Below Cal		# 94
50) 2,6-Dinitrotoluene	9.78	165	50419	9.24	ng	# 30
56) 2,4-Dinitrotoluene	9.78	165	50419	7.36	ng	# 19
66) 4-Bromophenyl-phenylether	10.57	248	25204	4.43	ng	# 1
71) Anthracene	11.33	178	1029	Below Cal		# 59
73) Di-n-butylphthalate	11.82	149	7517	Below Cal		# 80
74) Fluoranthene	12.46	202	1616	Below Cal		# 87

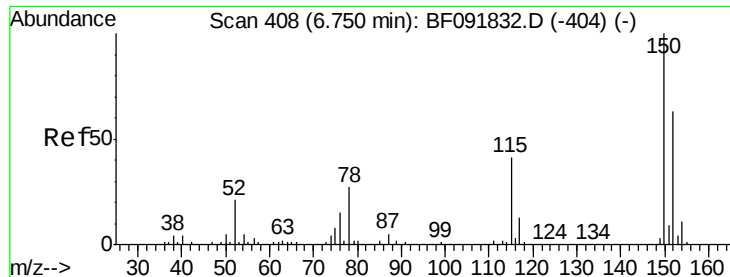
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091940.D

Acq: 23 Dec 2016 22:43

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116

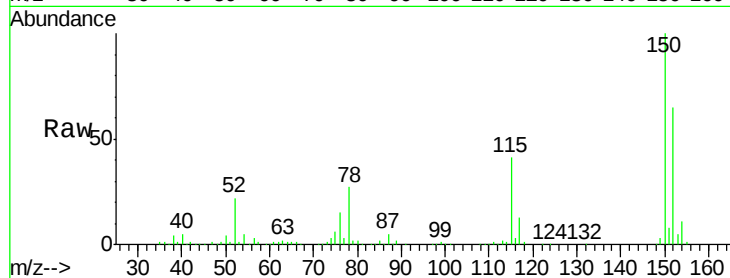
Tgt Ion:152 Resp: 198902

Ion Ratio Lower Upper

152 100

150 154.2 124.9 187.3

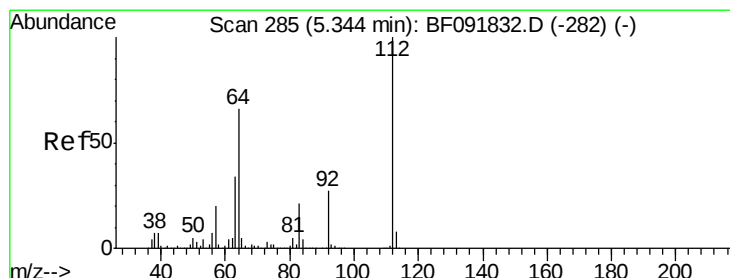
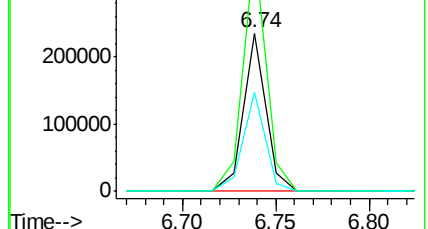
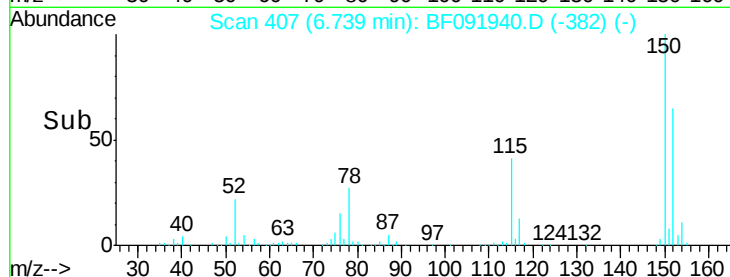
115 62.7 46.0 69.0



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: 126.09 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.03 min

Lab File: BF091940.D

Acq: 23 Dec 2016 22:43

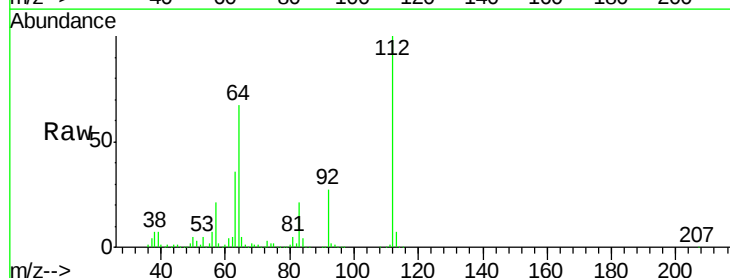
Tgt Ion:112 Resp: 1501974

Ion Ratio Lower Upper

112 100

64 66.8 46.1 69.1

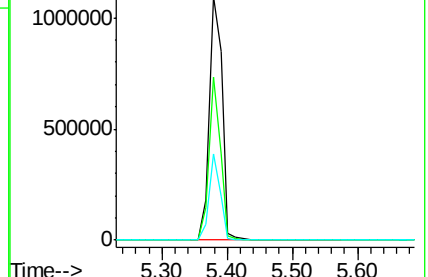
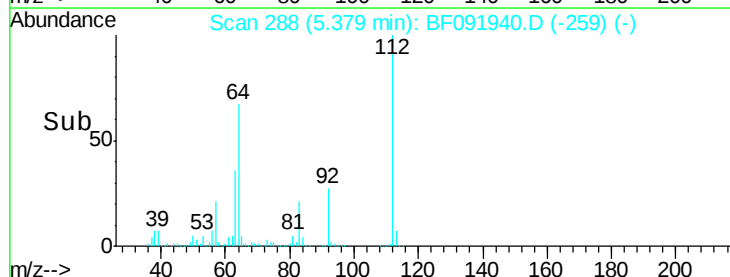
63 35.5 23.8 35.6

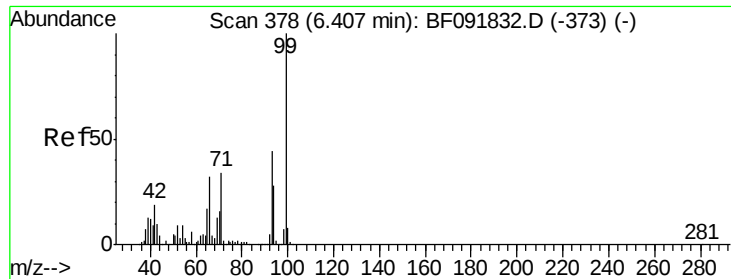


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.80 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.02 min

Lab File: BF091940.D

Acq: 23 Dec 2016 22:43

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116

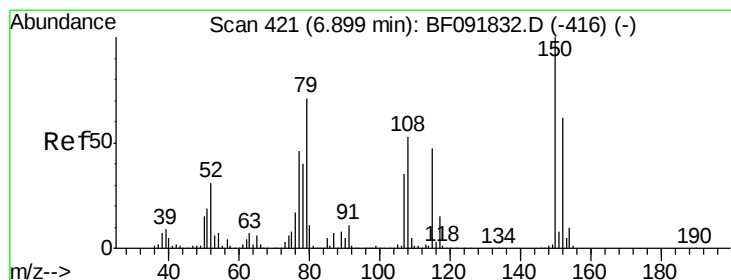
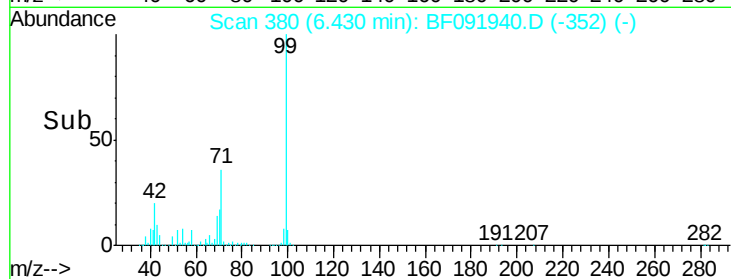
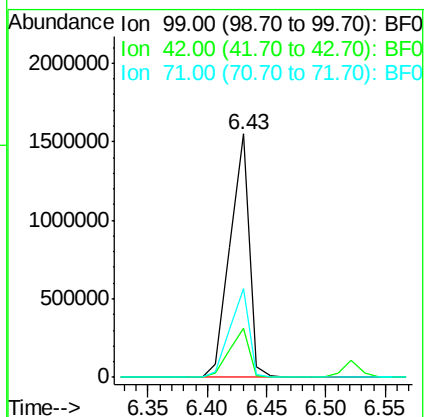
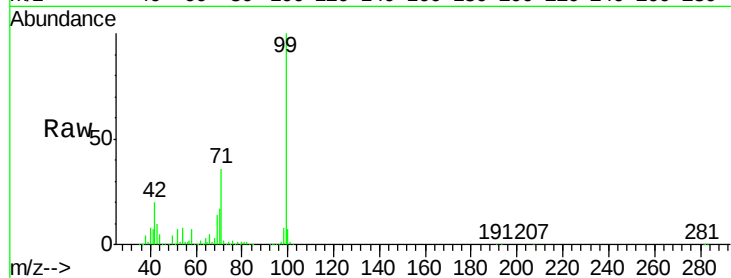
Tgt Ion: 99 Resp: 1756906

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

71 36.2 27.5 41.3



#15

Benzyl Alcohol

Concen: 2.21 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF091940.D

Acq: 23 Dec 2016 22:43

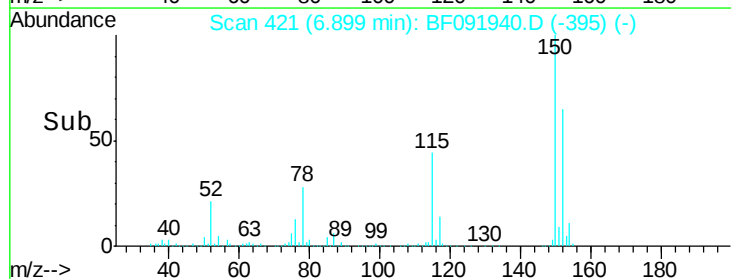
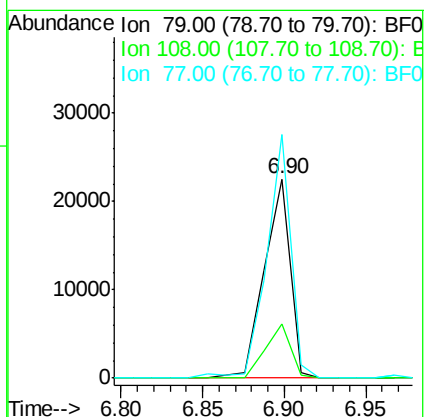
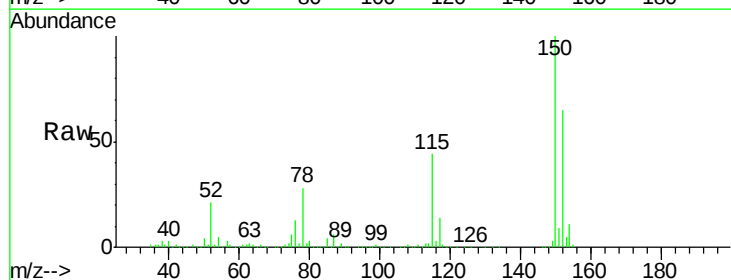
Tgt Ion: 79 Resp: 24986

Ion Ratio Lower Upper

79 100

108 27.1 61.4 92.0#

77 122.3 50.9 76.3#

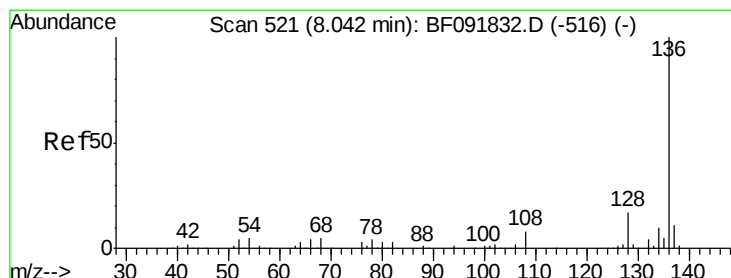
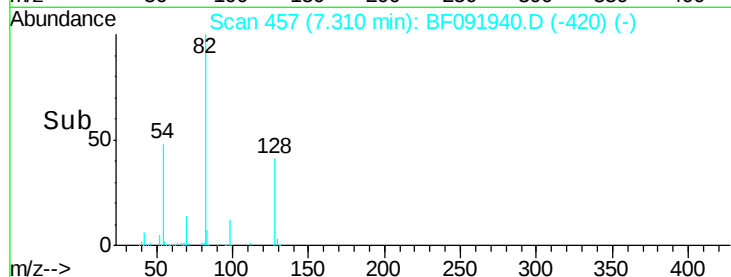
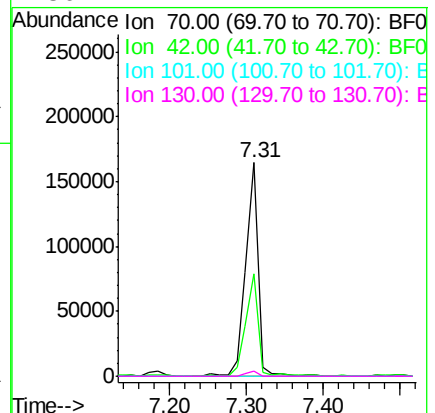
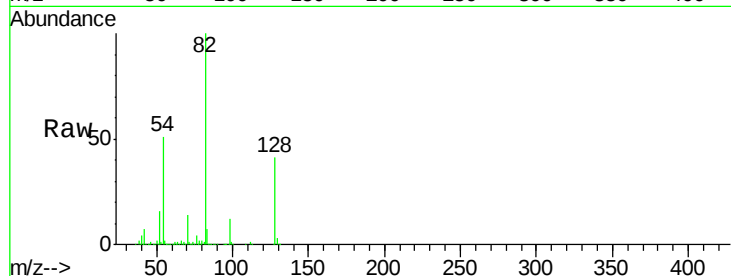




#19
n-Nitroso-di-n-propylamine
Concen: 19.45 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.13 min
Lab File: BF091940.D
Acq: 23 Dec 2016 22:43

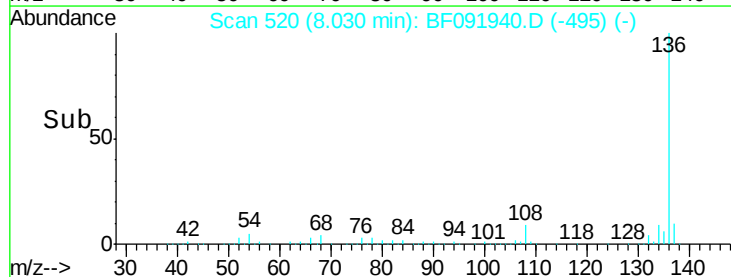
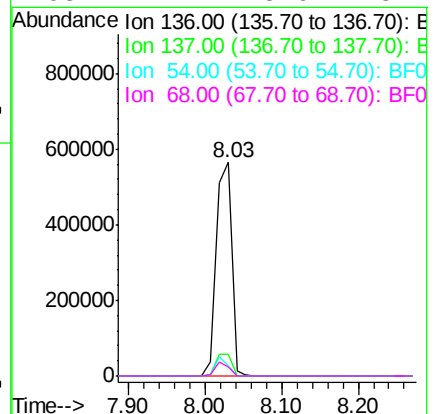
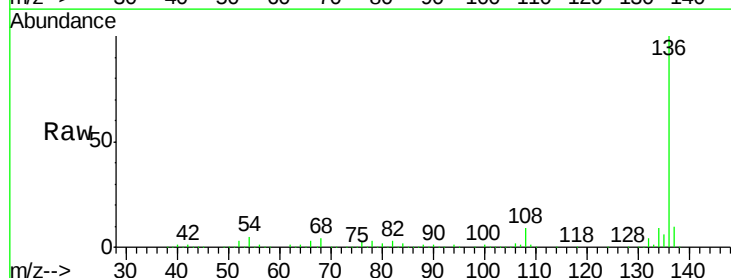
Instrument :
BNA_F
ClientSampleId :
IDW-01-122116

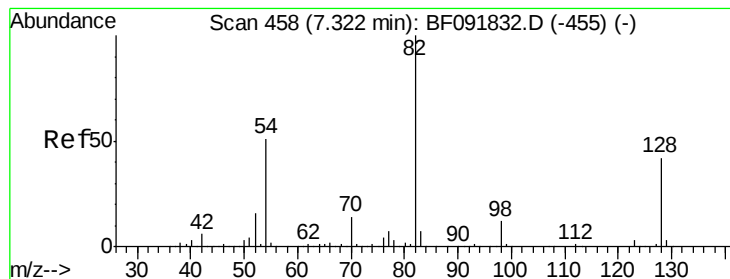
Tgt Ion: 70 Resp: 188180
Ion Ratio Lower Upper
70 100
42 48.0 49.4 74.0#
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091940.D
Acq: 23 Dec 2016 22:43

Tgt Ion: 136 Resp: 778228
Ion Ratio Lower Upper
136 100
137 10.4 8.4 12.6
54 5.1 4.5 6.7
68 4.1 3.6 5.4





#23

Nitrobenzene-d5

Concen: 94.55 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF091940.D

Acq: 23 Dec 2016 22:43

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116

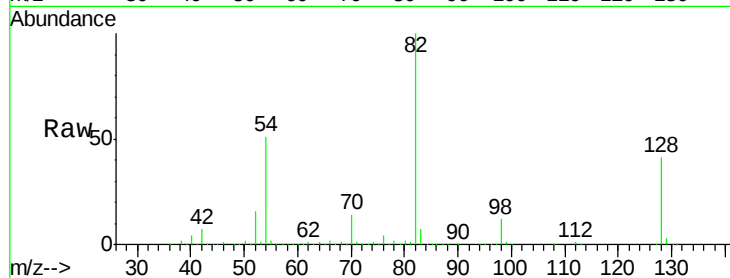
Tgt Ion: 82 Resp: 1323276

Ion Ratio Lower Upper

82 100

128 41.0 34.6 52.0

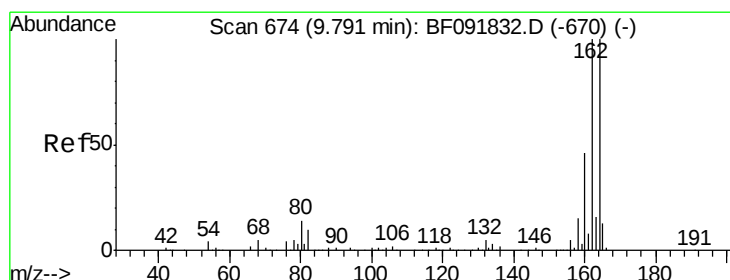
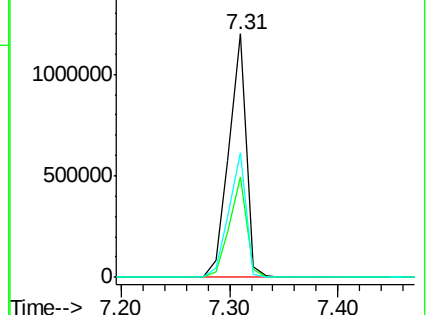
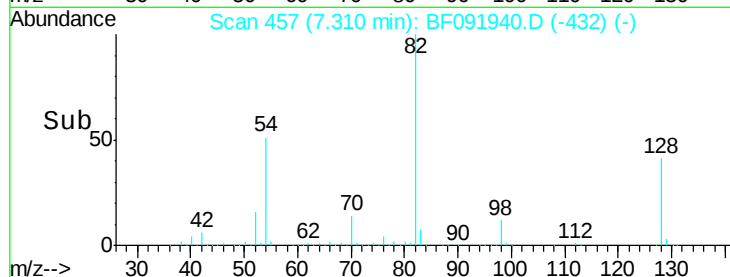
54 51.1 39.5 59.3



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: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091940.D

Acq: 23 Dec 2016 22:43

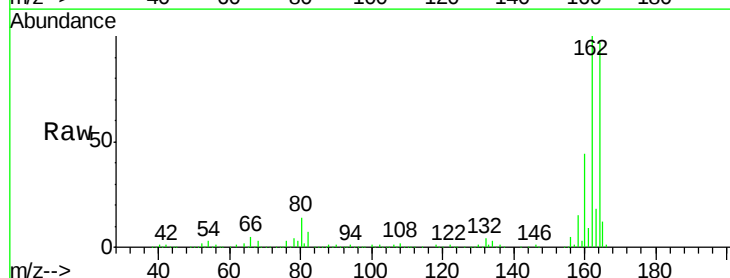
Tgt Ion: 164 Resp: 389909

Ion Ratio Lower Upper

164 100

162 103.0 80.2 120.2

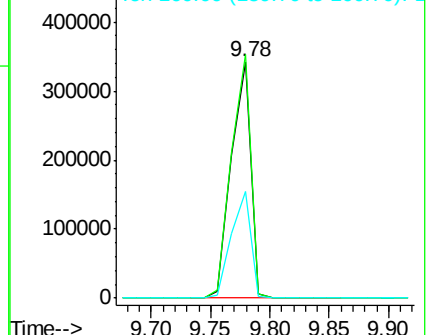
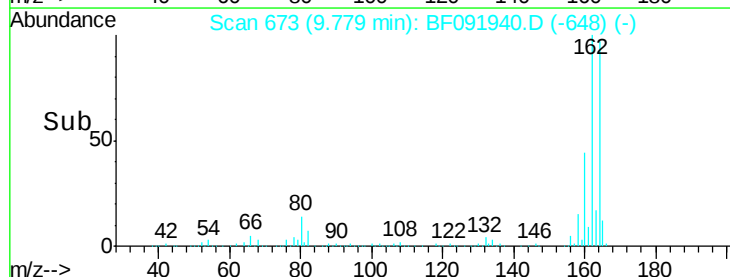
160 45.0 36.9 55.3

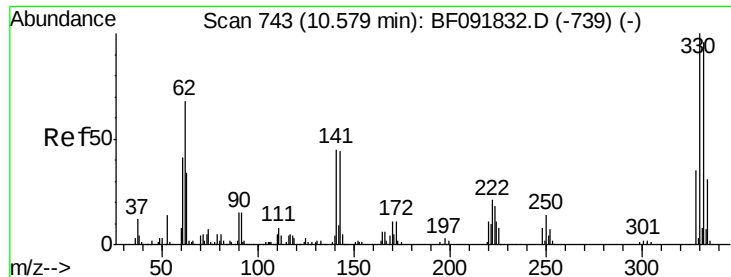


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

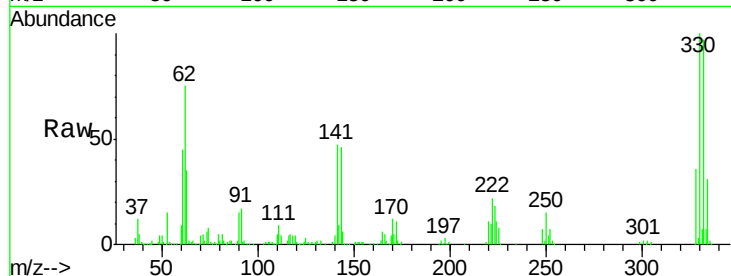




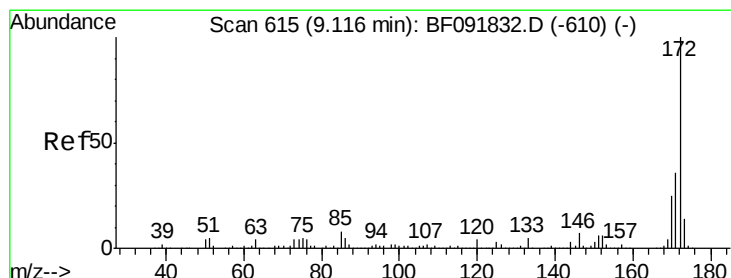
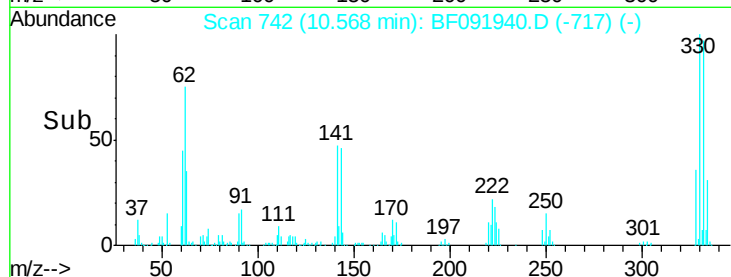
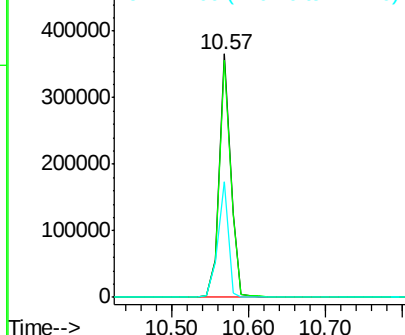
#41
 2,4,6-Tribromophenol
 Concen: 119.90 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF091940.D
 Acq: 23 Dec 2016 22:43

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116

Tgt Ion:330 Resp: 386901
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.4 116.2
 141 42.7 34.1 51.1

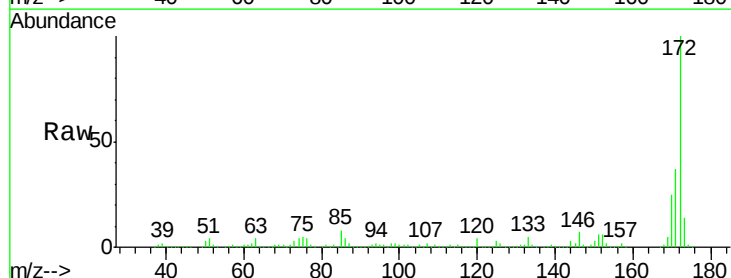


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

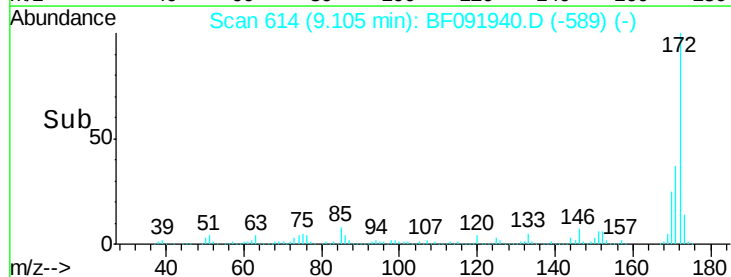
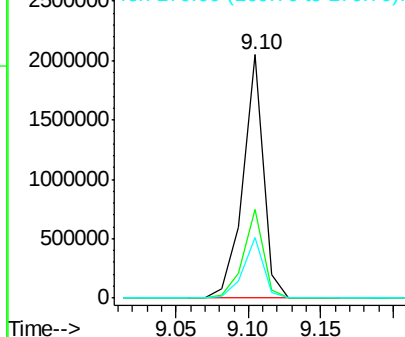


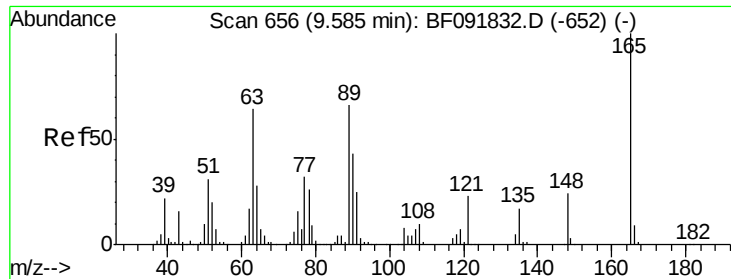
#44
 2-Fluorobiphenyl
 Concen: 109.30 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091940.D
 Acq: 23 Dec 2016 22:43

Tgt Ion:172 Resp: 2009747
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 25.0 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





#50

2,6-Dinitrotoluene

Concen: 9.24 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.19 min

Lab File: BF091940.D

Acq: 23 Dec 2016 22:43

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116

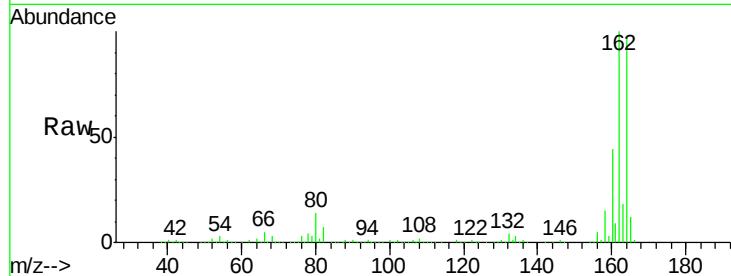
Tgt Ion:165 Resp: 50419

Ion Ratio Lower Upper

165 100

63 0.0 36.2 54.4#

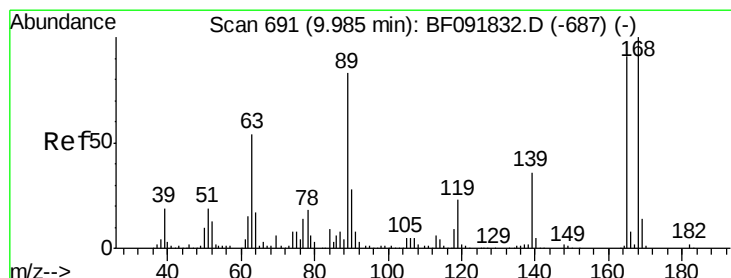
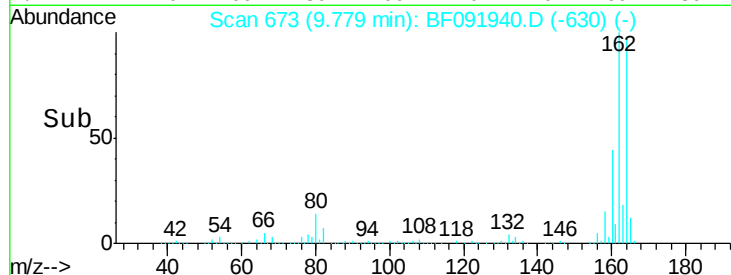
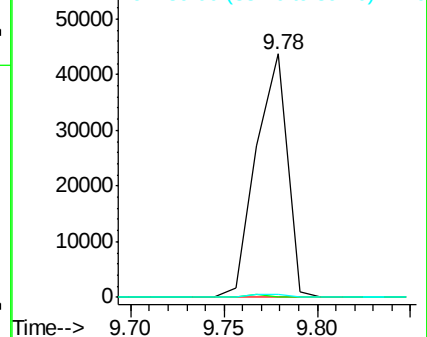
89 1.0 40.2 60.4#



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: 7.36 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF091940.D

Acq: 23 Dec 2016 22:43

Tgt Ion:165 Resp: 50419

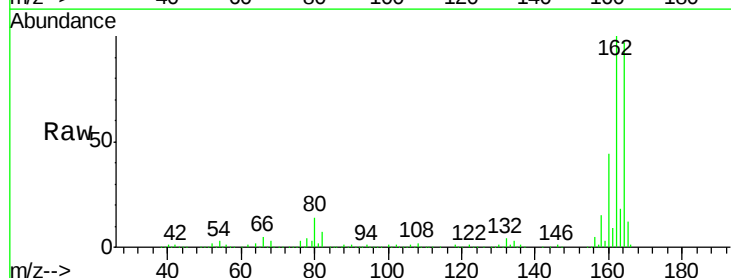
Ion Ratio Lower Upper

165 100

63 0.0 40.2 60.4#

89 1.0 62.5 93.7#

182 0.0 1.8 2.8#

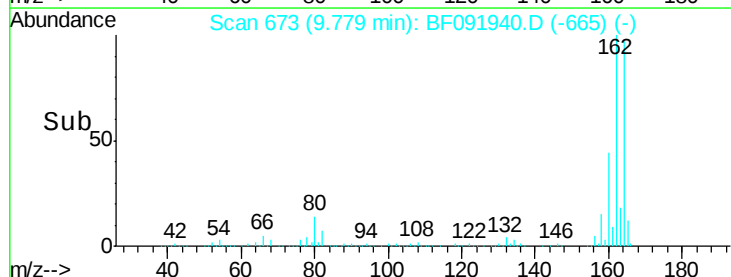
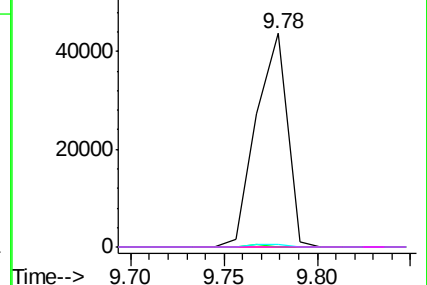


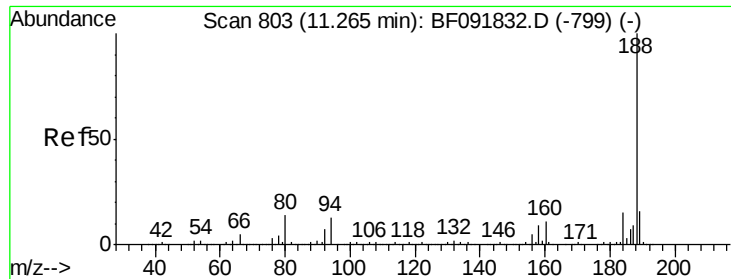
Abundance Ion 165.00 (164.70 to 165.70): E

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

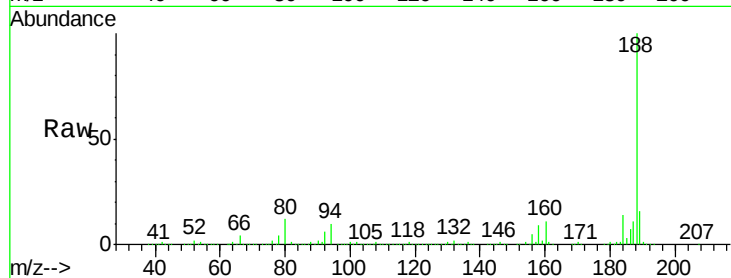




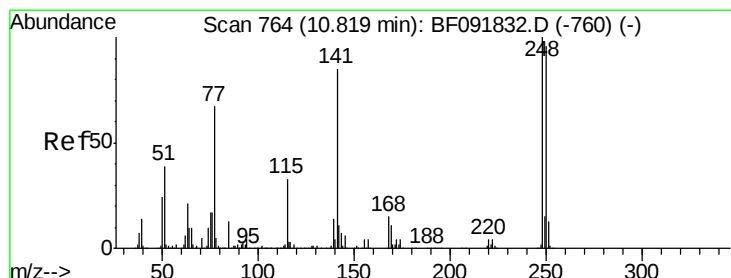
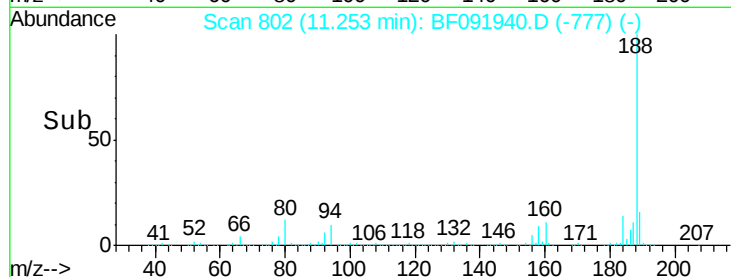
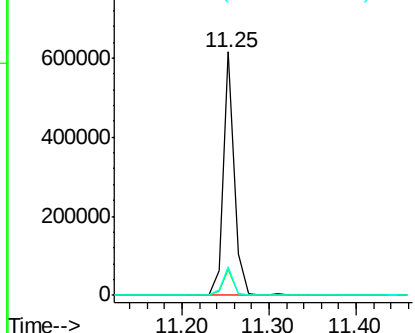
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091940.D
 Acq: 23 Dec 2016 22:43

Instrument :
 BNA_F
 ClientSampleId :
 IDW-01-122116

Tgt Ion:188 Resp: 547179
 Ion Ratio Lower Upper
 188 100
 94 10.5 10.0 15.0
 80 11.7 11.2 16.8

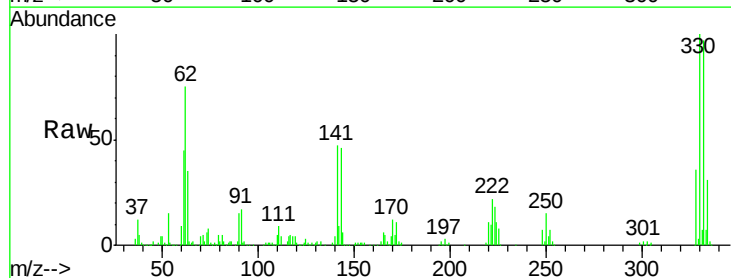


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

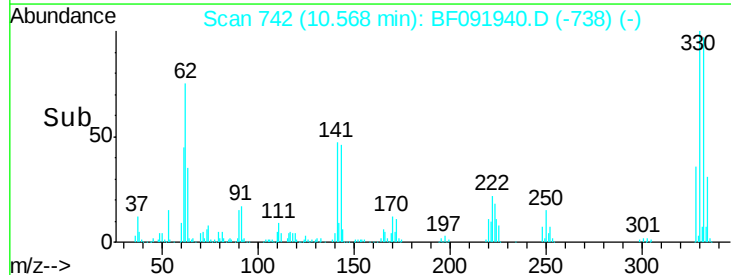
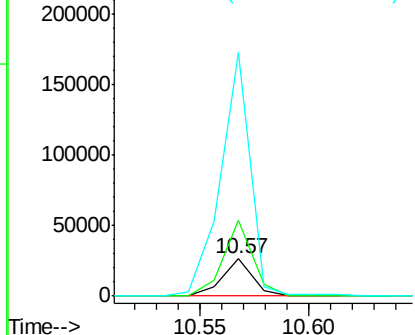


#66
 4-Bromophenyl-phenylether
 Concen: 4.43 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.25 min
 Lab File: BF091940.D
 Acq: 23 Dec 2016 22:43

Tgt Ion:248 Resp: 25204
 Ion Ratio Lower Upper
 248 100
 250 206.3 76.9 115.3#
 141 657.1 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: BF091940.D

Acq: 23 Dec 2016 22:43

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116

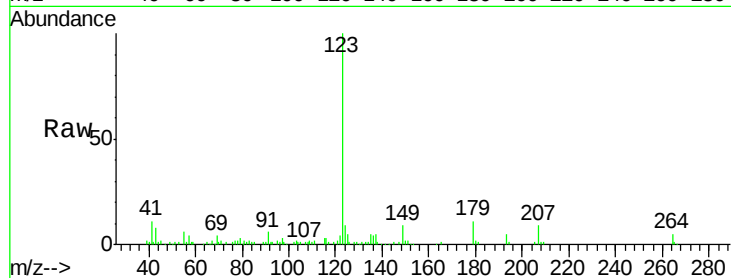
Tgt Ion:149 Resp: 7517

Ion Ratio Lower Upper

149 100

150 17.0 8.1 12.1#

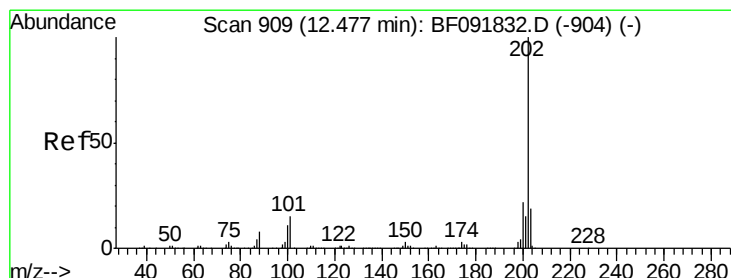
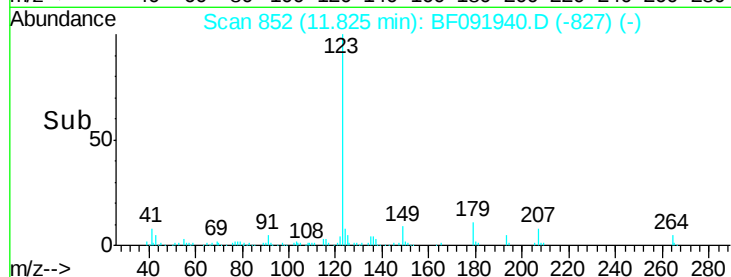
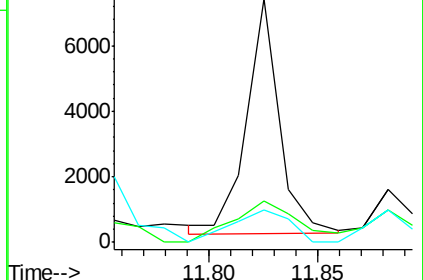
104 13.5 4.6 7.0#



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: BF091940.D

Acq: 23 Dec 2016 22:43

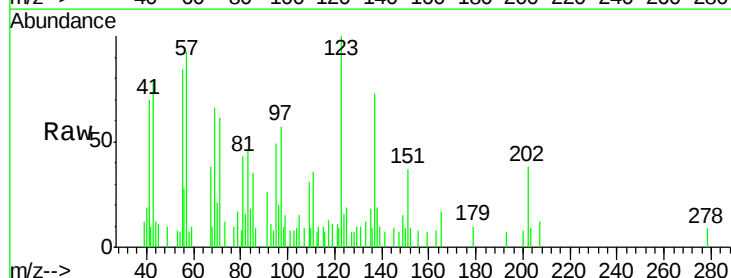
Tgt Ion:202 Resp: 1616

Ion Ratio Lower Upper

202 100

101 21.4 0.0 34.6

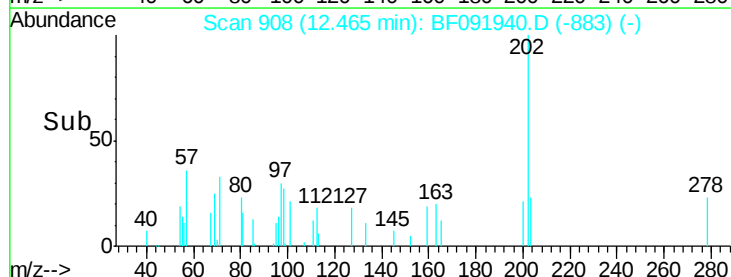
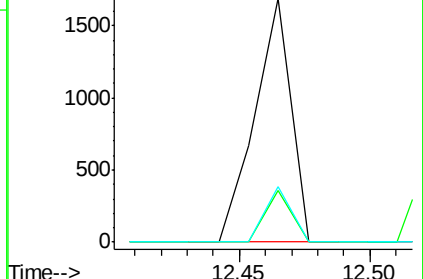
203 23.0 0.0 38.7

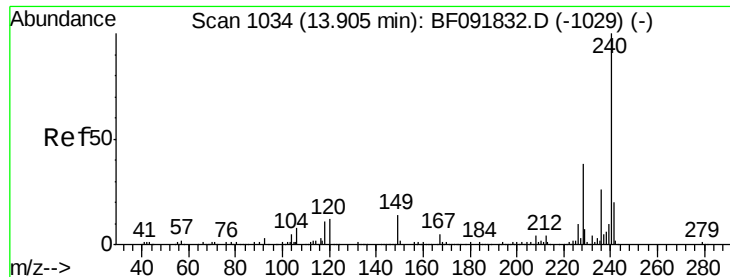


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091940.D

Acq: 23 Dec 2016 22:43

Instrument :

BNA_F

ClientSampleId :

IDW-01-122116

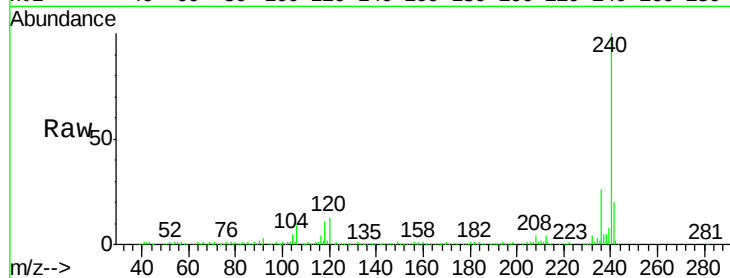
Tgt Ion:240 Resp: 383890

Ion Ratio Lower Upper

240 100

120 13.2 12.9 19.3

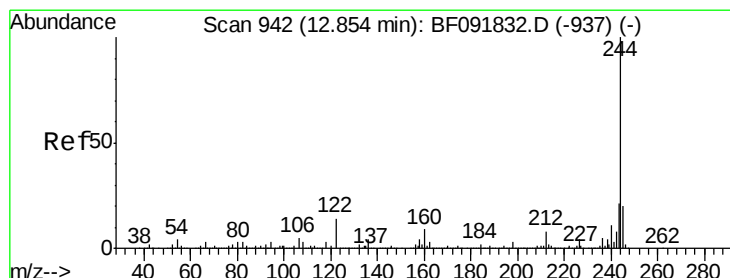
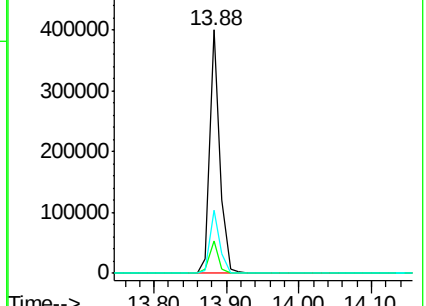
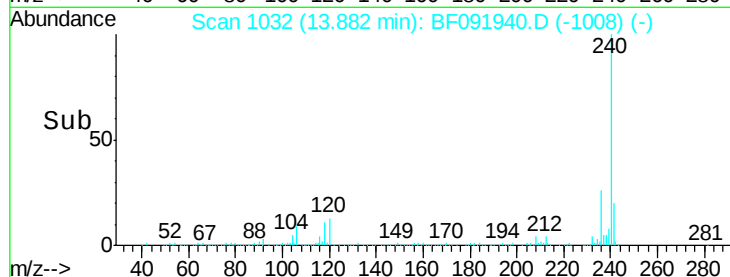
236 25.8 20.9 31.3



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



#78

Terphenyl-d14

Concen: 90.59 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091940.D

Acq: 23 Dec 2016 22:43

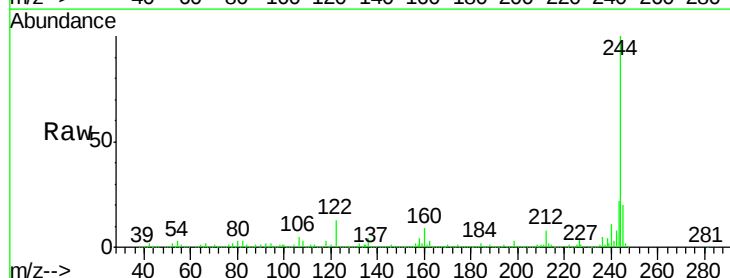
Tgt Ion:244 Resp: 1434002

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

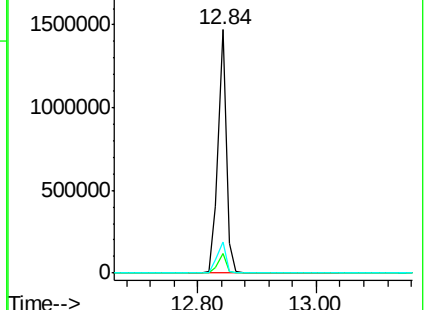
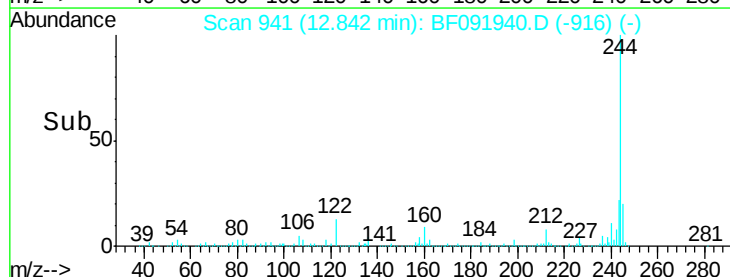
122 12.8 11.4 17.2

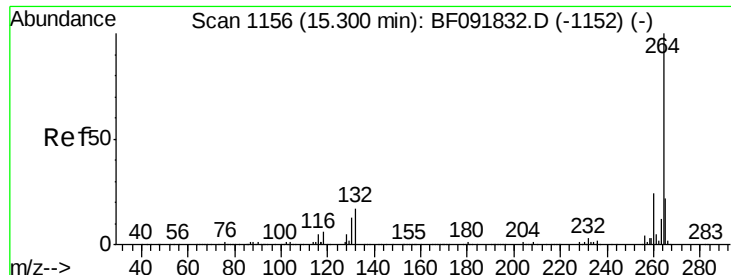


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

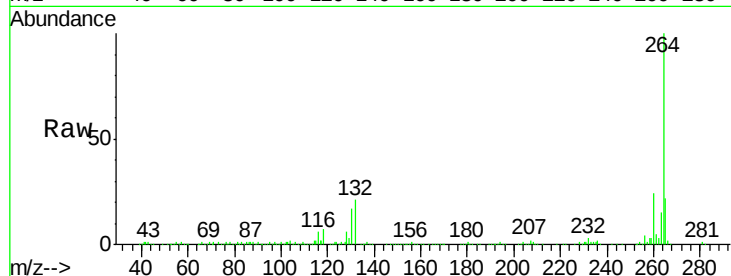




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF091940.D
Acq: 23 Dec 2016 22:43

Instrument :
BNA_F
ClientSampleId :
IDW-01-122116

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	17.4	26.0



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

