

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091947.D
 Acq On : 24 Dec 2016 3:19
 Operator : UM/SJ
 Sample : H6205-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-20

Quant Time: Dec 24 03:45:16 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

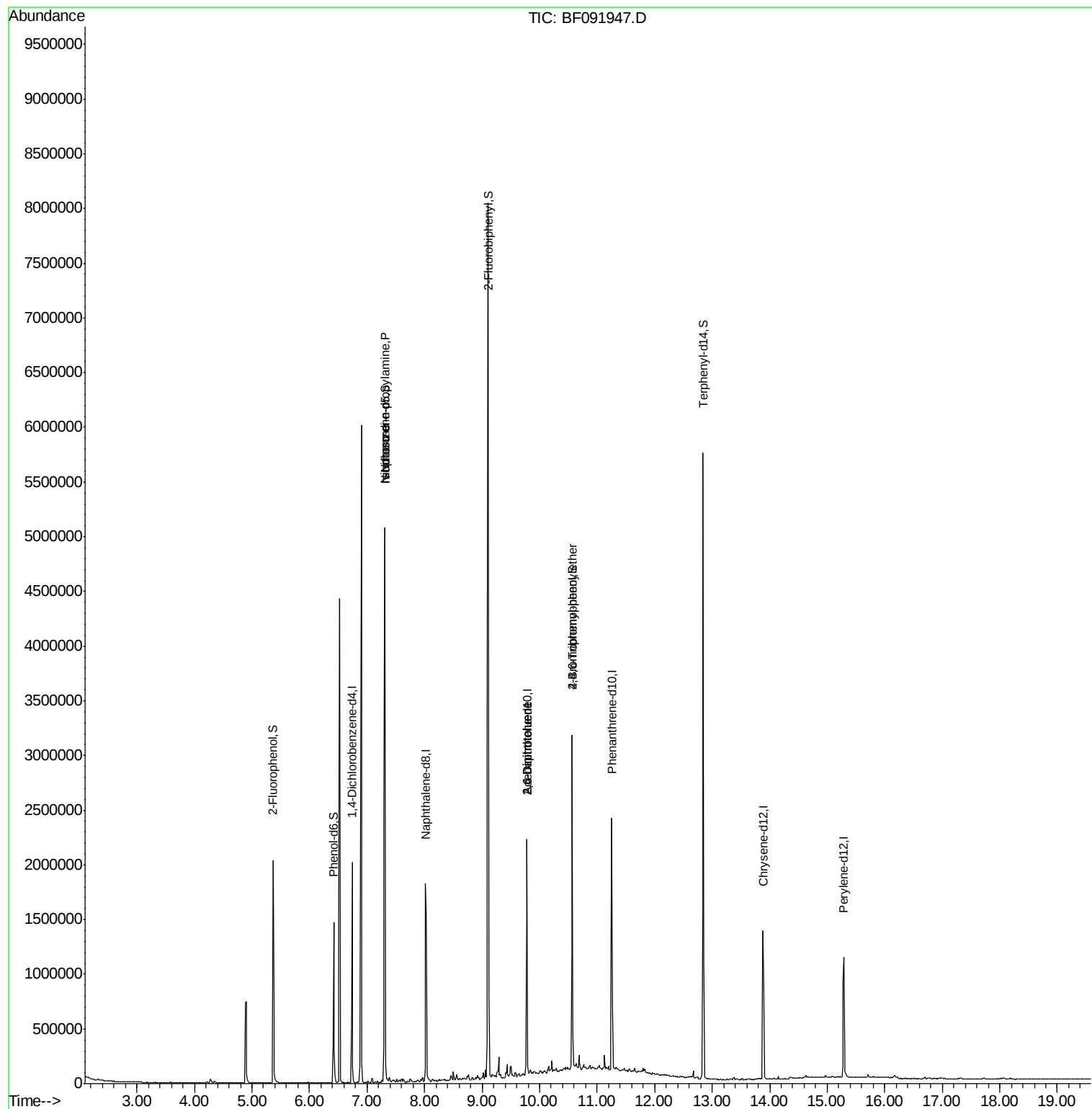
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	310995	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	1235221	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	613881	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	858945	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	592150	20.00	ng	-0.02
86) Perylene-d12	15.29	264	567399	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	626758	33.65	ng	0.02
7) Phenol-d6	6.42	99	563878	24.80	ng	0.01
23) Nitrobenzene-d5	7.31	82	1982418	89.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	380768	74.95	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2717333	91.71	ng	-0.01
78) Terphenyl-d14	12.84	244	1889663	77.39	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	268076	17.72	ng	# 75
25) Isophorone	7.31	82	1883777	45.96	ng	# 65
37) 2-Methylnaphthalene	8.74	142	994	Below Cal	#	80
50) 2,6-Dinitrotoluene	9.78	165	80792	9.40	ng	# 31
56) 2,4-Dinitrotoluene	9.78	165	81344	7.54	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	25143	2.81	ng	# 1
71) Anthracene	11.33	178	413	Below Cal	#	9
73) Di-n-butylphthalate	11.82	149	4985	Below Cal	#	91
74) Fluoranthene	12.47	202	1101	Below Cal		61

(#) = 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: BF091947.D

Acq: 24 Dec 2016 3:19

Instrument :

BNA_F

ClientSampleId :

W-20

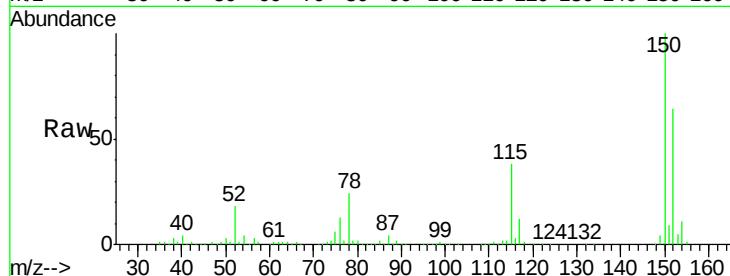
Tgt Ion:152 Resp: 310995

Ion Ratio Lower Upper

152 100

150 156.0 124.9 187.3

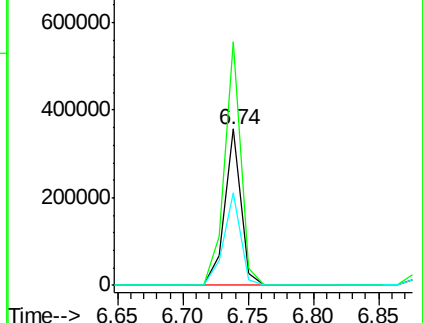
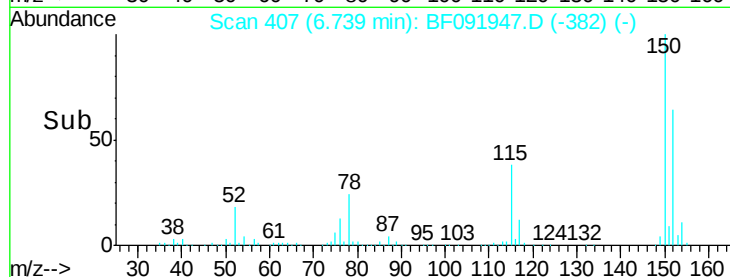
115 59.1 46.0 69.0



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: 33.65 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: BF091947.D

Acq: 24 Dec 2016 3:19

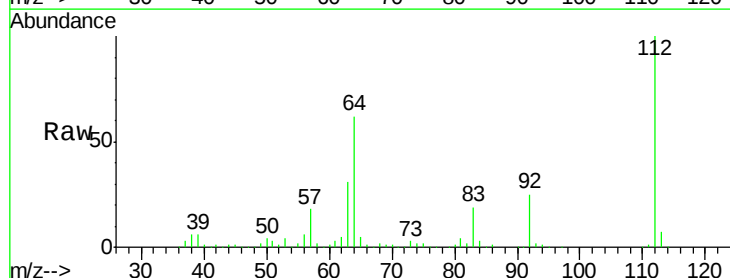
Tgt Ion:112 Resp: 626758

Ion Ratio Lower Upper

112 100

64 61.9 46.1 69.1

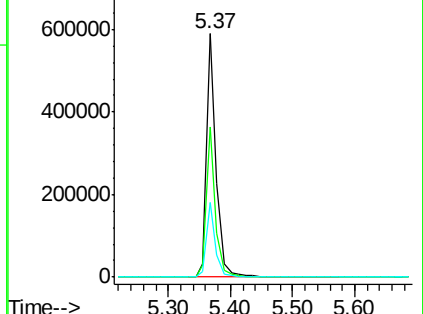
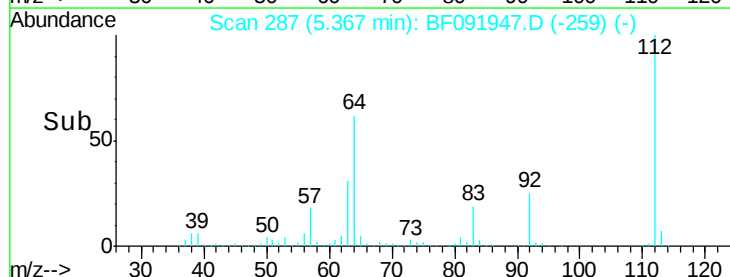
63 30.7 23.8 35.6



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: 24.80 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF091947.D

Acq: 24 Dec 2016 3:19

Instrument :

BNA_F

ClientSampleId :

W-20

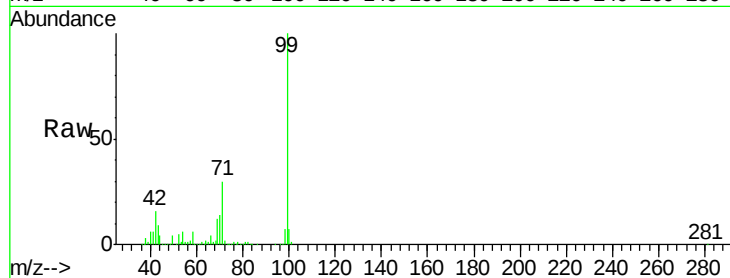
Tgt Ion: 99 Resp: 563878

Ion Ratio Lower Upper

99 100

42 16.4 15.6 23.4

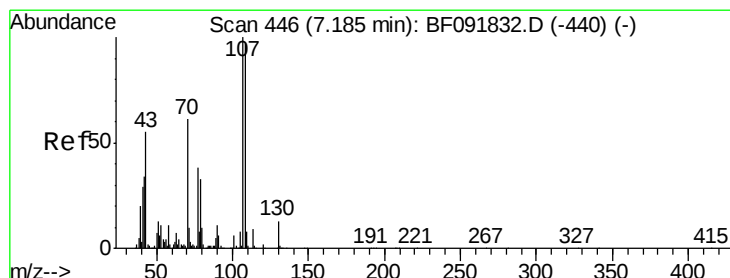
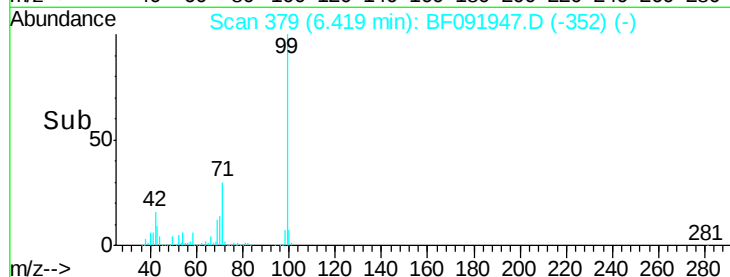
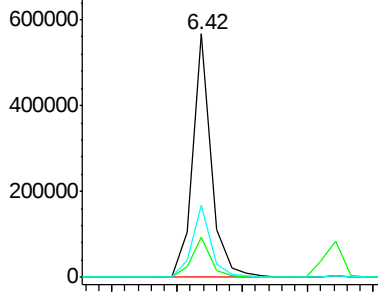
71 29.8 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.72 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.13 min

Lab File: BF091947.D

Acq: 24 Dec 2016 3:19

Tgt Ion: 70 Resp: 268076

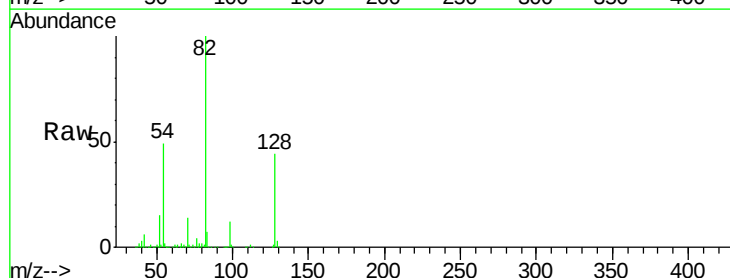
Ion Ratio Lower Upper

70 100

42 45.0 49.4 74.0#

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

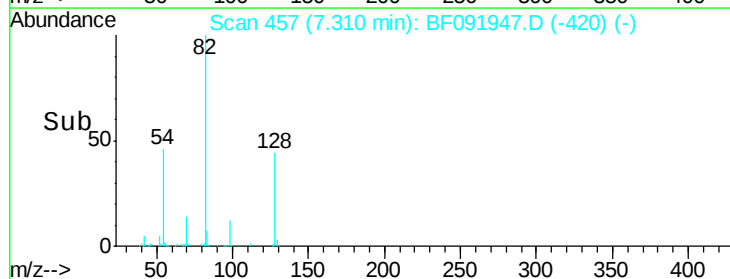
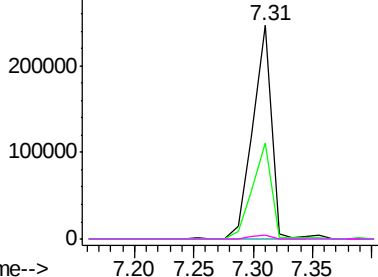


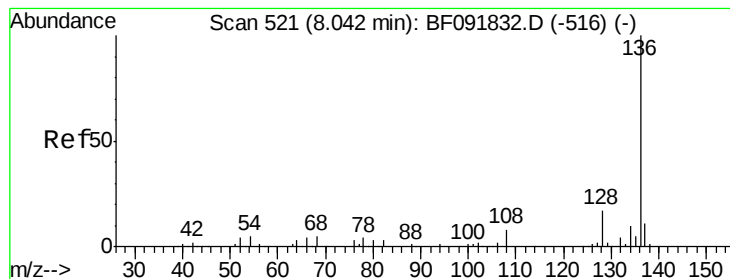
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF091947.D

Acq: 24 Dec 2016 3:19

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 1235221

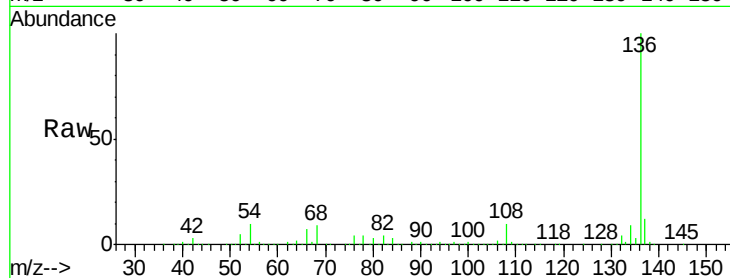
Ion Ratio Lower Upper

136 100

137 11.6 8.4 12.6

54 10.1 4.5 6.7#

68 8.7 3.6 5.4#

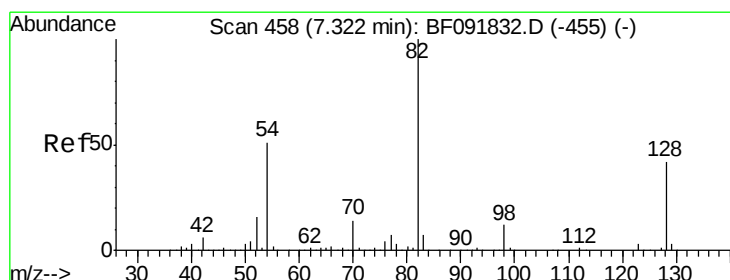
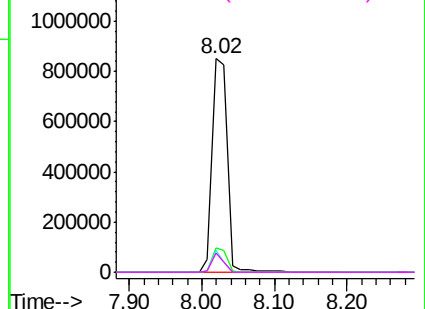
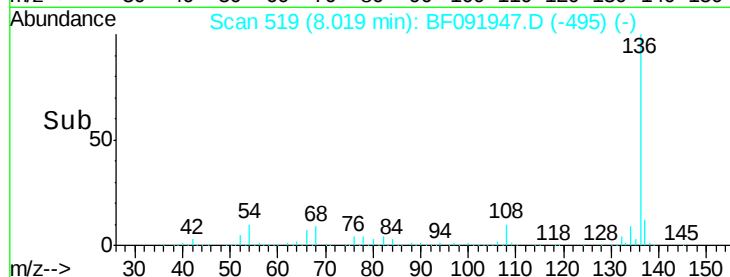


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.24 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF091947.D

Acq: 24 Dec 2016 3:19

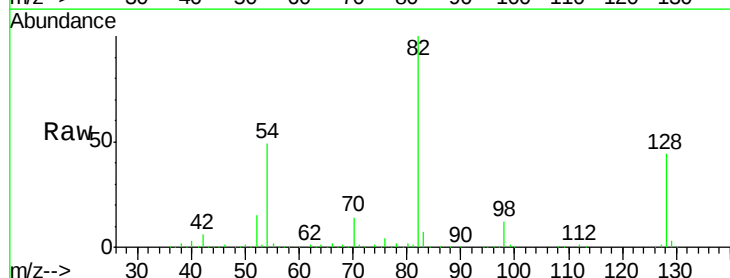
Tgt Ion: 82 Resp: 1982418

Ion Ratio Lower Upper

82 100

128 43.6 34.6 52.0

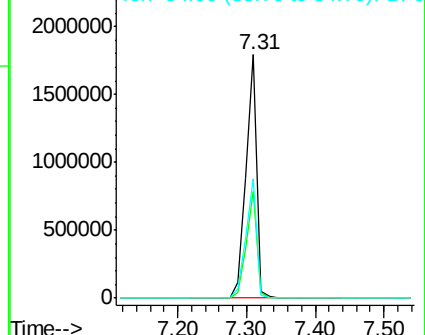
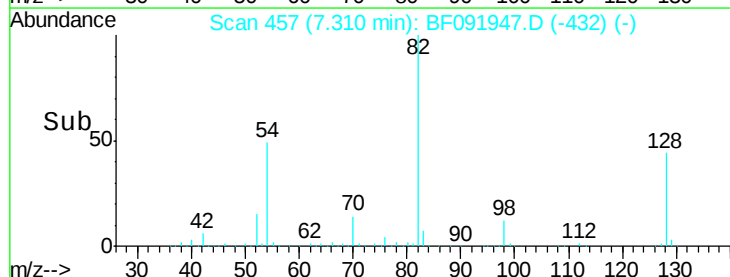
54 49.1 39.5 59.3

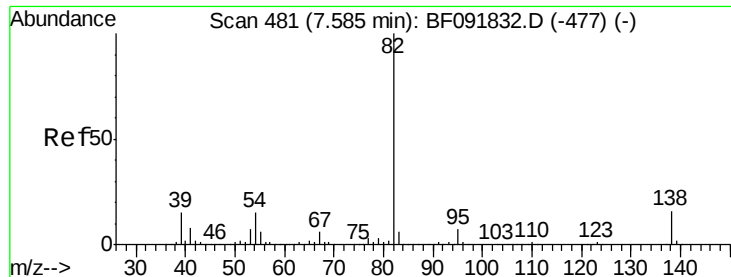


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 45.96 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.27 min

Lab File: BF091947.D

Acq: 24 Dec 2016 3:19

Instrument :

BNA_F

ClientSampleId :

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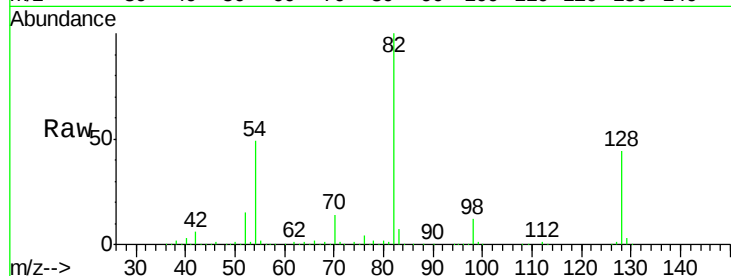
Tgt Ion: 82 Resp: 1883777

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

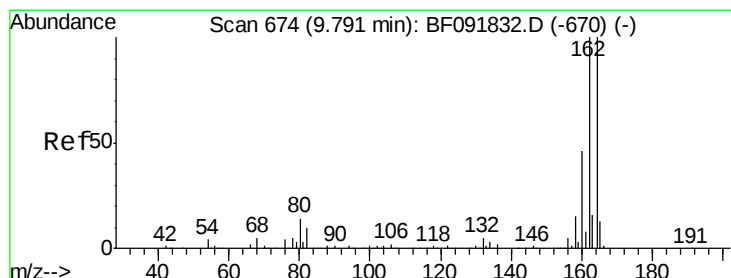
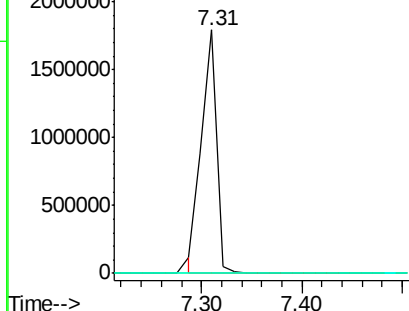
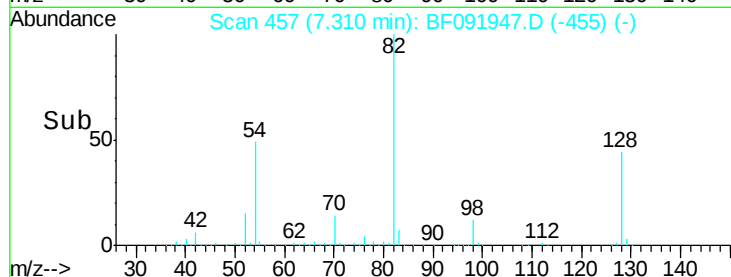
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091947.D

Acq: 24 Dec 2016 3:19

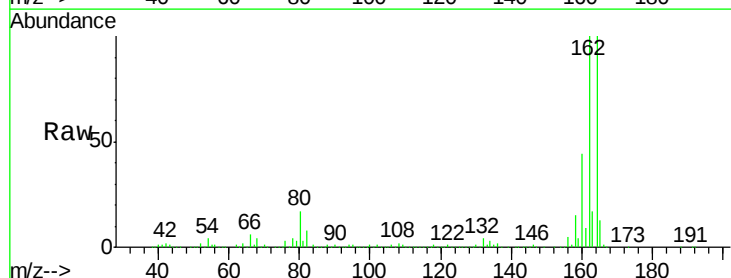
Tgt Ion: 164 Resp: 613881

Ion Ratio Lower Upper

164 100

162 99.7 80.2 120.2

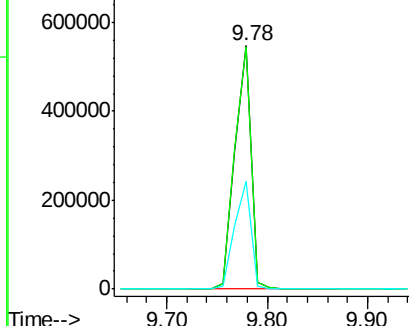
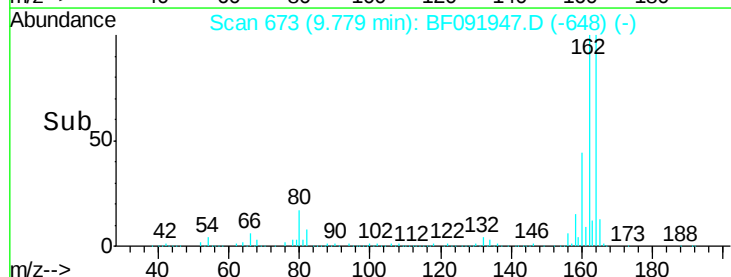
160 44.1 36.9 55.3

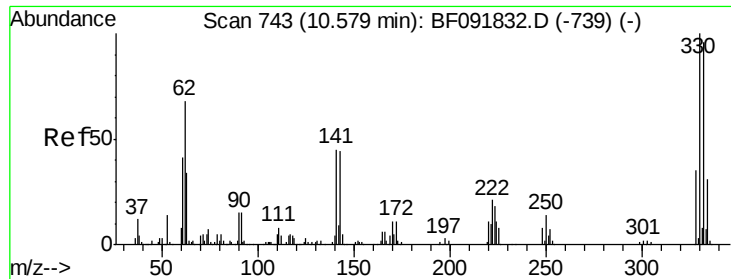


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

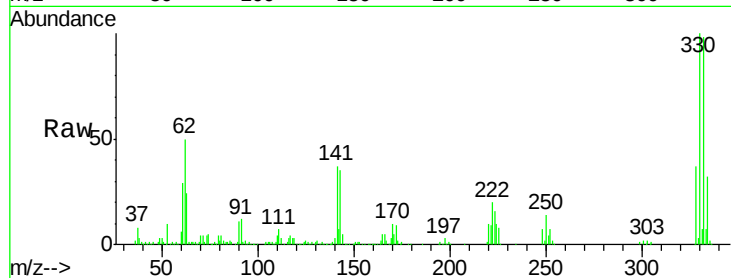




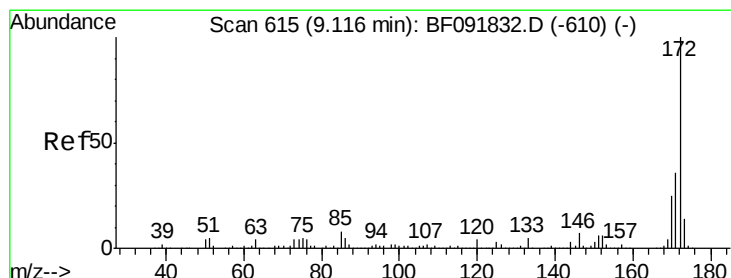
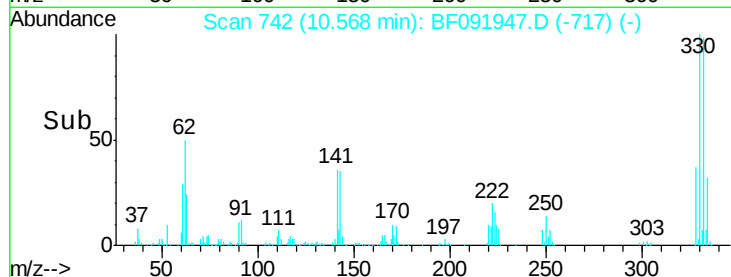
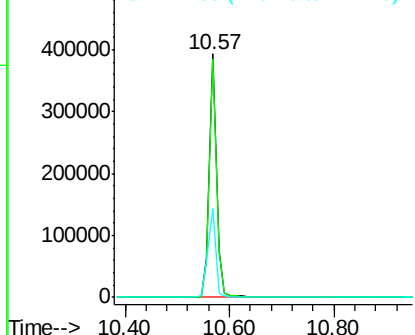
#41
 2,4,6-Tribromophenol
 Concen: 74.95 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF091947.D
 Acq: 24 Dec 2016 3:19

Instrument :
 BNA_F
 ClientSampleId :
 W-20

Tgt Ion:330 Resp: 380768
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.4 116.2
 141 38.8 34.1 51.1

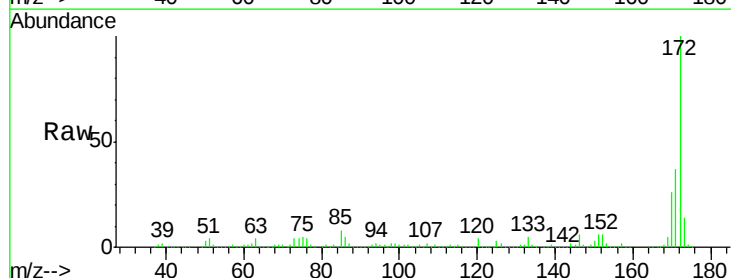


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

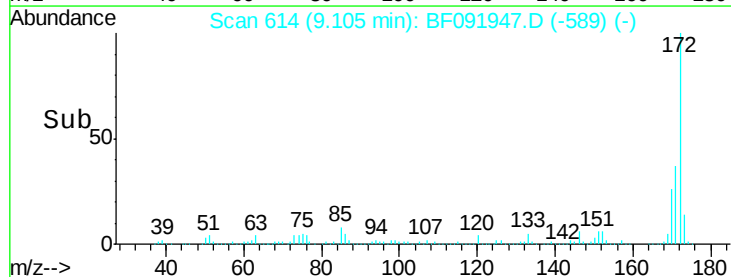
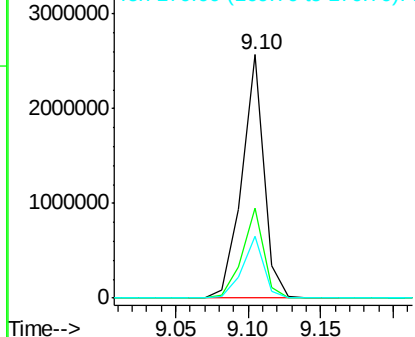


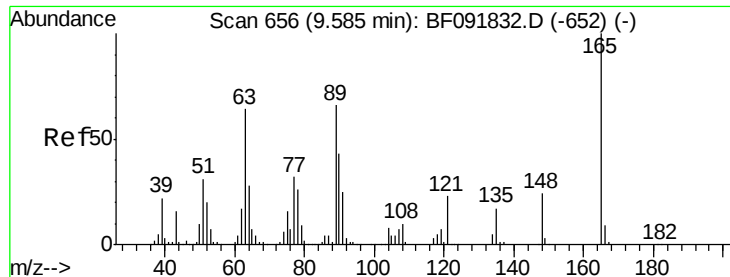
#44
 2-Fluorobiphenyl
 Concen: 91.71 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091947.D
 Acq: 24 Dec 2016 3:19

Tgt Ion:172 Resp: 2717333
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 25.5 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

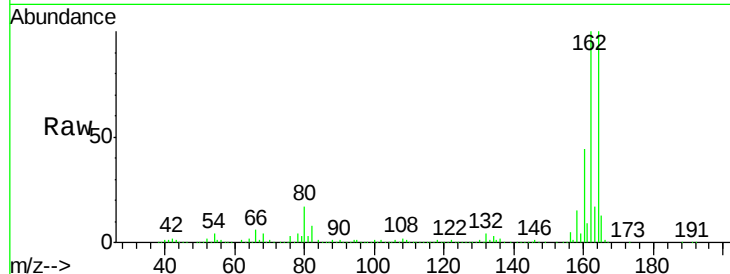




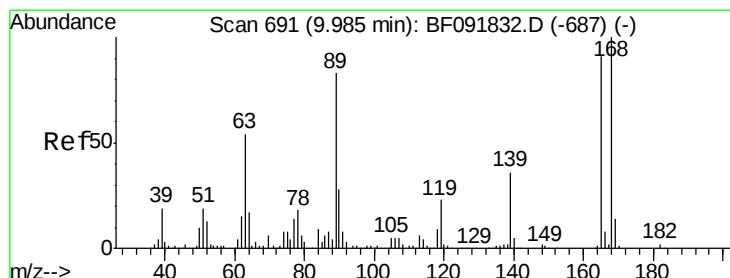
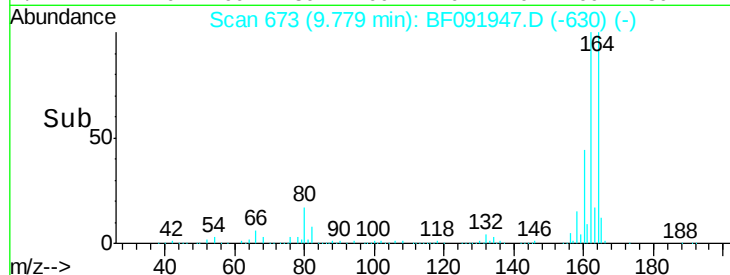
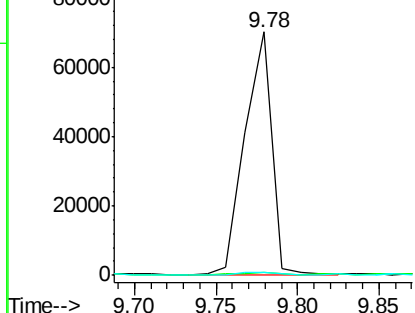
#50
 2,6-Dinitrotoluene
 Concen: 9.40 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.19 min
 Lab File: BF091947.D
 Acq: 24 Dec 2016 3:19

Instrument :
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Tgt Ion:165 Resp: 80792
 Ion Ratio Lower Upper
 165 100
 63 1.0 36.2 54.4#
 89 1.1 40.2 60.4#



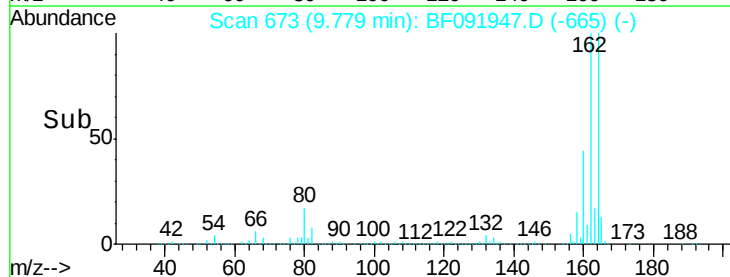
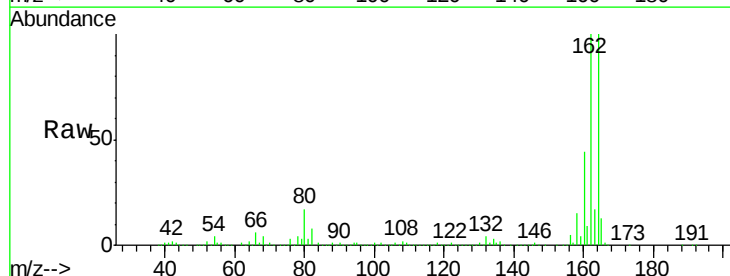
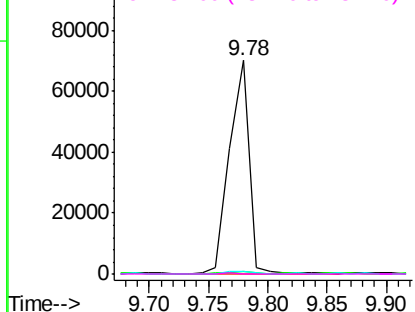
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

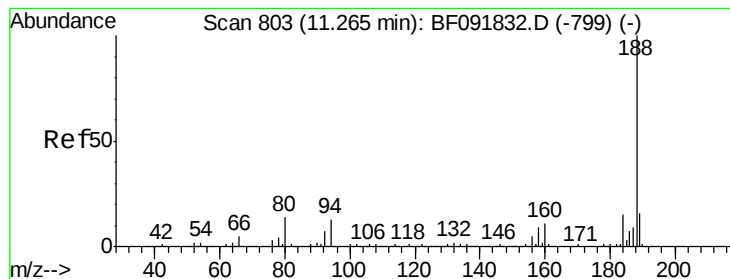


#56
 2,4-Dinitrotoluene
 Concen: 7.54 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.21 min
 Lab File: BF091947.D
 Acq: 24 Dec 2016 3:19

Tgt Ion:165 Resp: 81344
 Ion Ratio Lower Upper
 165 100
 63 1.0 40.2 60.4#
 89 1.1 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: BF091947.D

Acq: 24 Dec 2016 3:19

Instrument :

BNA_F

ClientSampleId :

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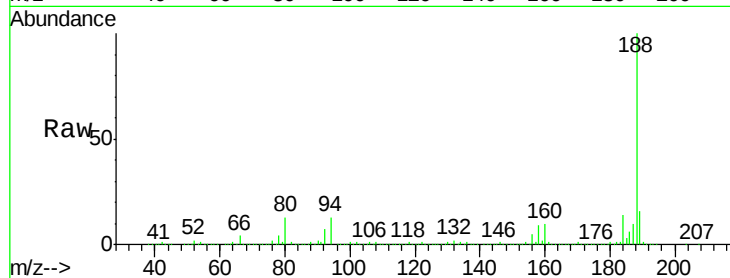
Tgt Ion:188 Resp: 858945

Ion Ratio Lower Upper

188 100

94 12.5 10.0 15.0

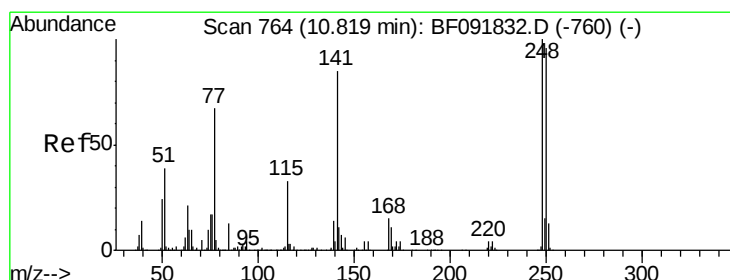
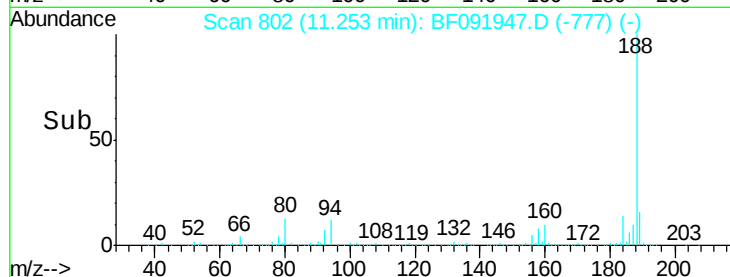
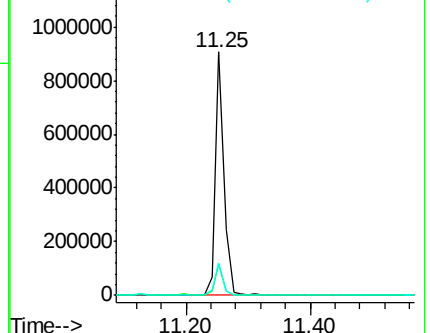
80 13.3 11.2 16.8



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: 2.81 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.25 min

Lab File: BF091947.D

Acq: 24 Dec 2016 3:19

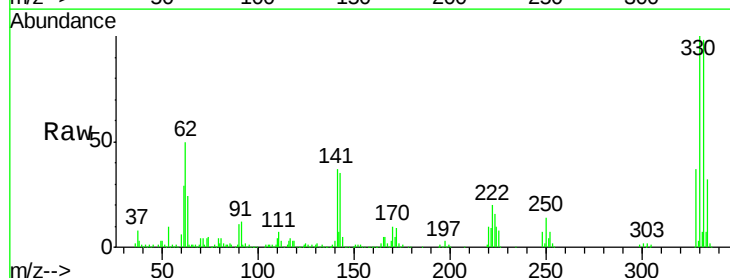
Tgt Ion:248 Resp: 25143

Ion Ratio Lower Upper

248 100

250 198.9 76.9 115.3#

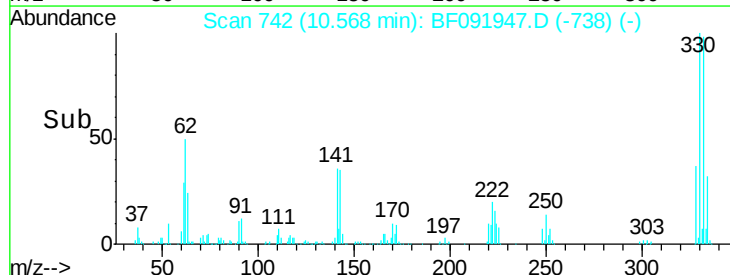
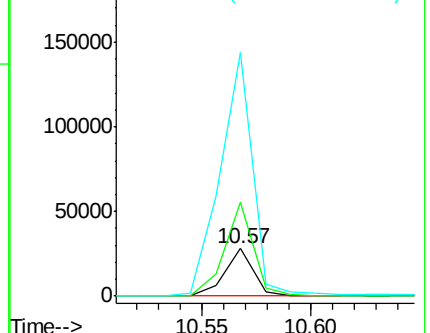
141 515.5 68.2 102.4#

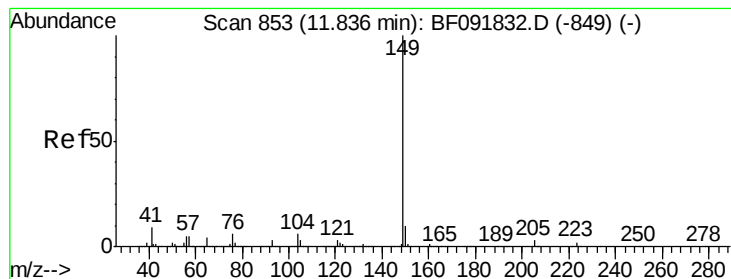


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF091947.D

Acq: 24 Dec 2016 3:19

Instrument :

BNA_F

ClientSampleId :

W-20

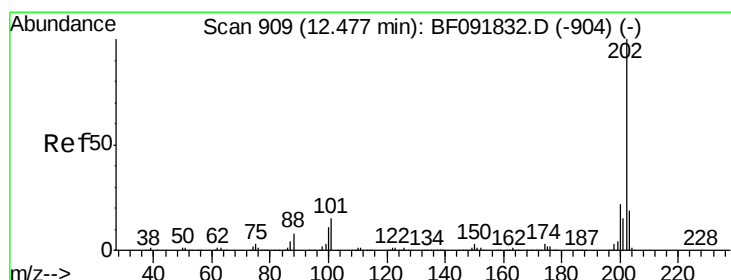
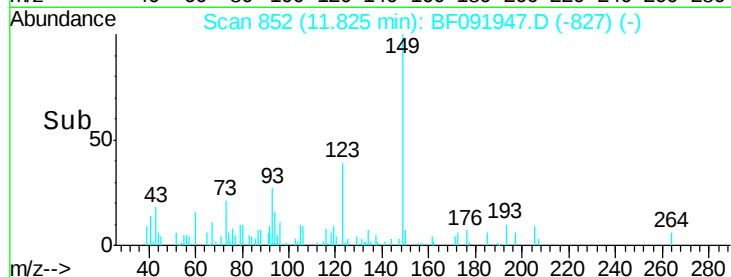
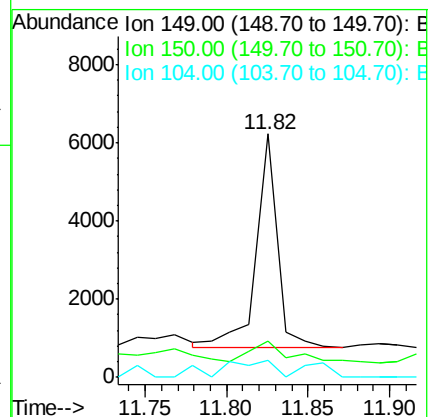
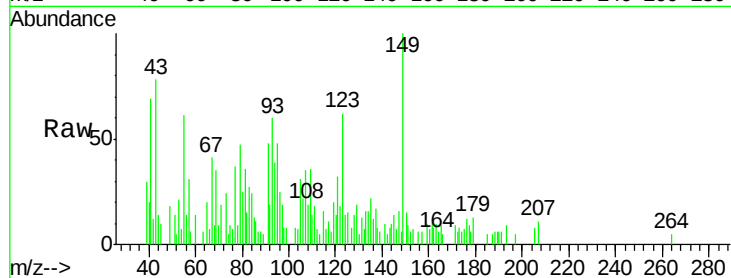
Tgt Ion:149 Resp: 4985

Ion Ratio Lower Upper

149 100

150 14.8 8.1 12.1#

104 7.0 4.6 7.0#



#74

Fluoranthene

Concen: Below Cal

RT: 12.47 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091947.D

Acq: 24 Dec 2016 3:19

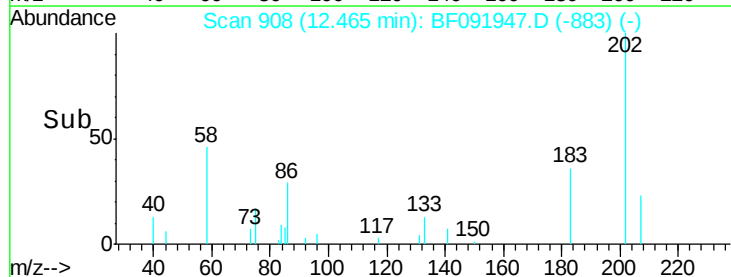
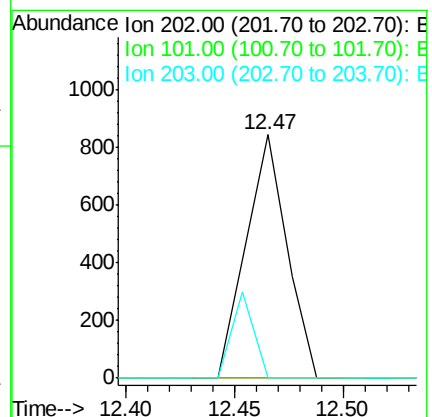
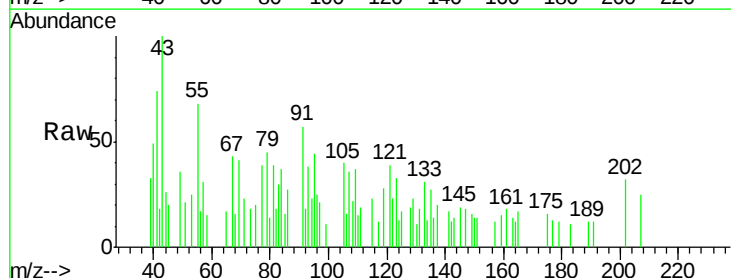
Tgt Ion:202 Resp: 1101

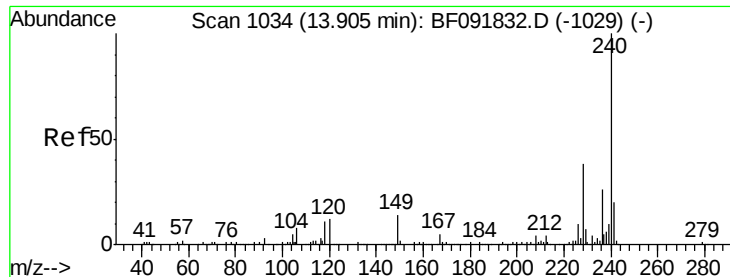
Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

203 0.0 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: BF091947.D

Acq: 24 Dec 2016 3:19

Instrument :

BNA_F

ClientSampleId :

W-20

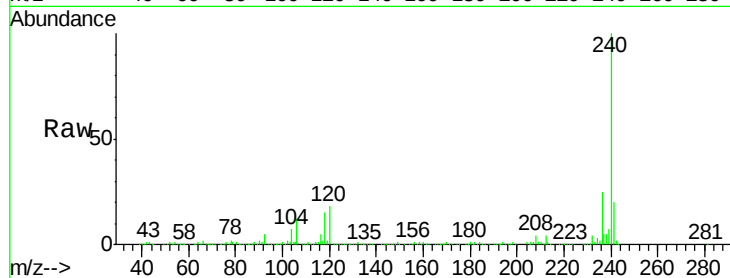
Tgt Ion:240 Resp: 592150

Ion Ratio Lower Upper

240 100

120 17.5 12.9 19.3

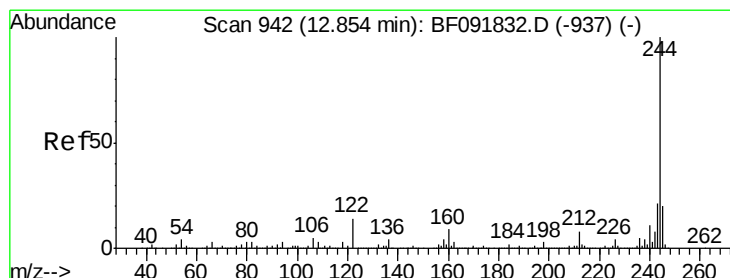
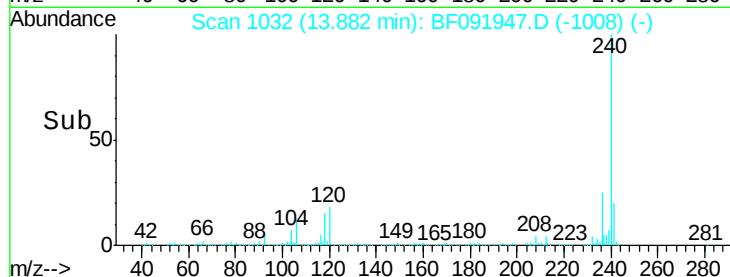
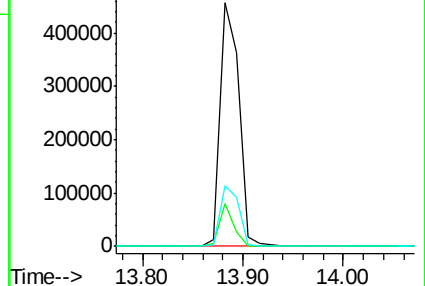
236 25.0 20.9 31.3



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: 77.39 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091947.D

Acq: 24 Dec 2016 3:19

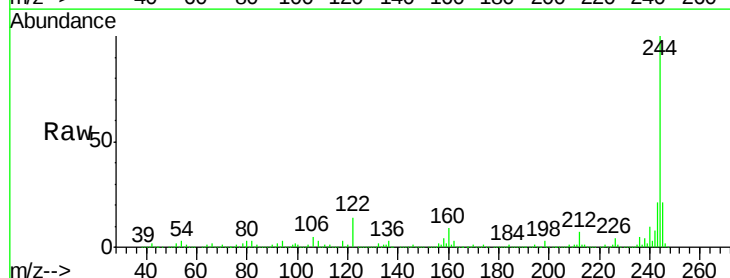
Tgt Ion:244 Resp: 1889663

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

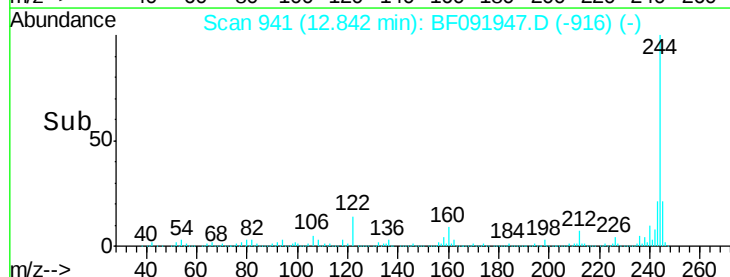
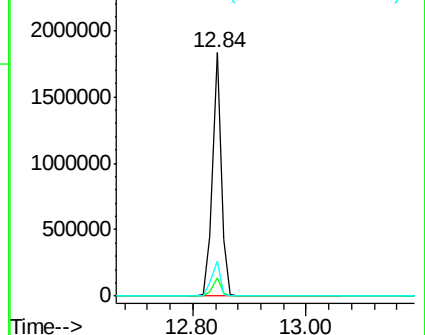
122 14.4 11.4 17.2

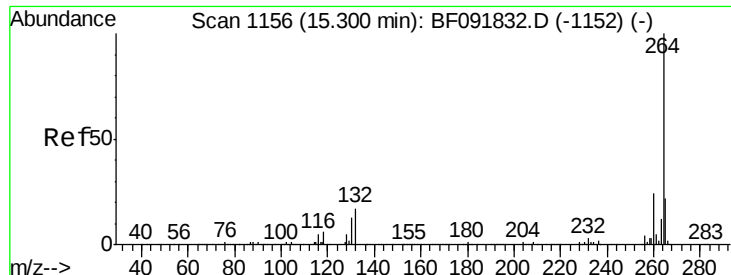


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091947.D
Acq: 24 Dec 2016 3:19

Instrument :
BNA_F
ClientSampleId :
W-20

Tgt Ion: 264 Resp: 567399
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.8 17.4 26.0

