

Data Path : Z:\HPCHEM1\BNA F\Data\BF122316\
 Data File : BF091921.D
 Acq On : 23 Dec 2016 14:08
 Operator : UM/SJ
 Sample : H6156-24DL 50X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612DL

Quant Time: Dec 23 17:03:38 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	264436	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	898276	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	495614	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	770885	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	609833	20.00	ng	-0.02
86) Perylene-d12	15.28	264	492438	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	16626	1.05	ng	0.03
7) Phenol-d6	6.43	99	16465	0.85	ng	0.02
23) Nitrobenzene-d5	7.30	82	36771	2.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	13247	3.23	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	62788	-12.15	ng	-0.01
78) Terphenyl-d14	12.84	244	52450	2.09	ng	-0.01

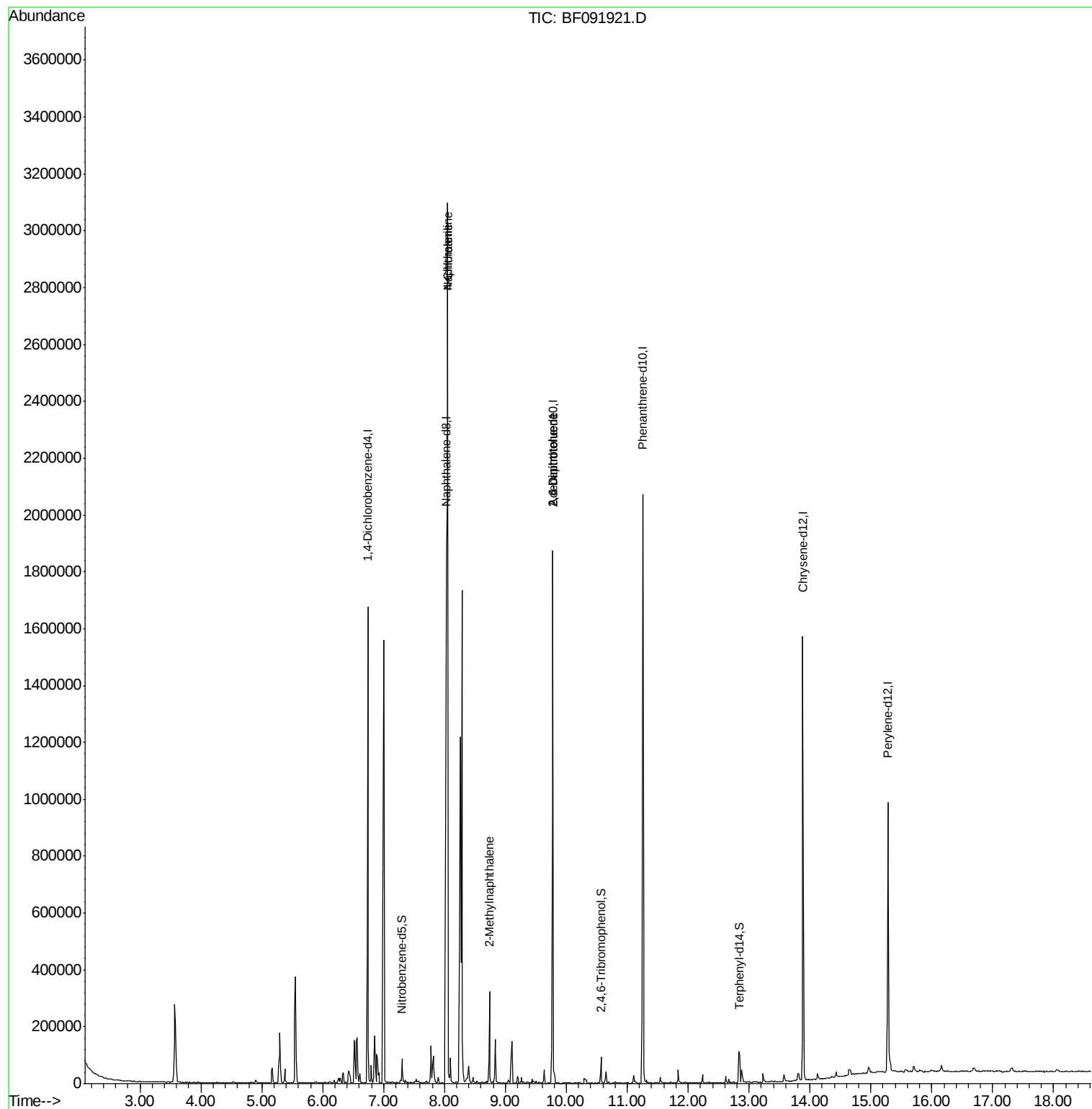
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.28	77	1445	Below Cal	#	1
31) Naphthalene	8.05	128	1905878	46.36	ng	99
33) 4-Chloroaniline	8.05	127	251845	13.59	ng	35
37) 2-Methylnaphthalene	8.74	142	92347	2.43	ng	97
50) 2,6-Dinitrotoluene	9.78	165	64181	9.25	ng	30
56) 2,4-Dinitrotoluene	9.78	165	64181	7.37	ng	19
71) Anthracene	11.28	178	12020	Below Cal		96
73) Di-n-butylphthalate	11.82	149	801	Below Cal	#	76
74) Fluoranthene	12.47	202	230	Below Cal		61

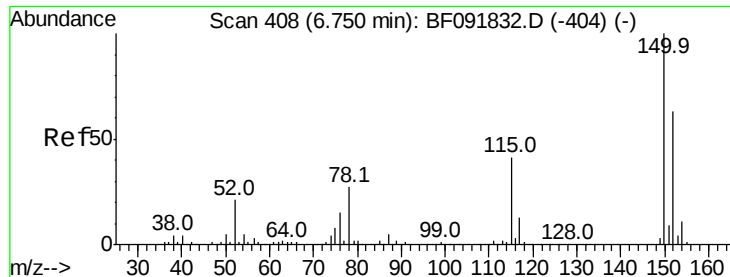
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 21 16:17:51 2016
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: BF091921.D

Acq: 23 Dec 2016 14:08

Instrument :

BNA_F

ClientSampleId :

WC-201612DL

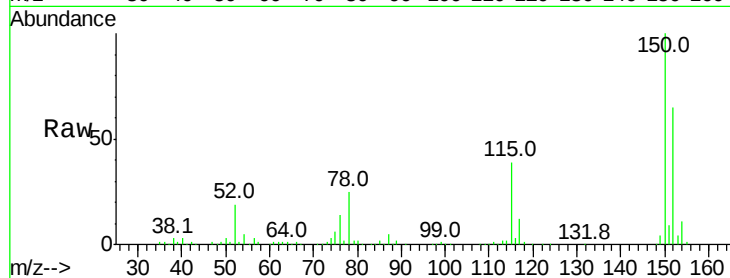
Tot Ion:152 Resp: 264436

Ion Ratio Lower Upper

152 100

150 153.3 124.9 187.3

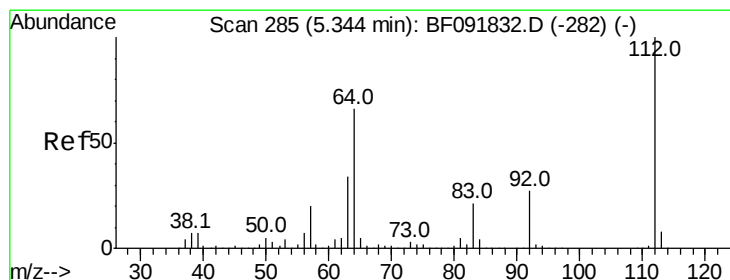
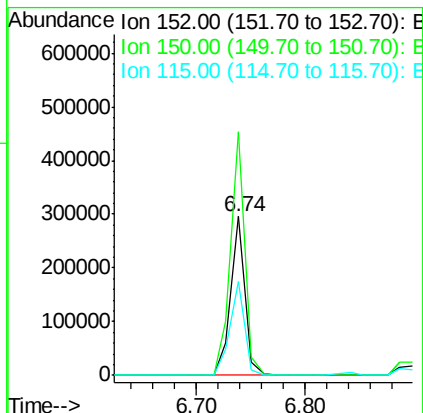
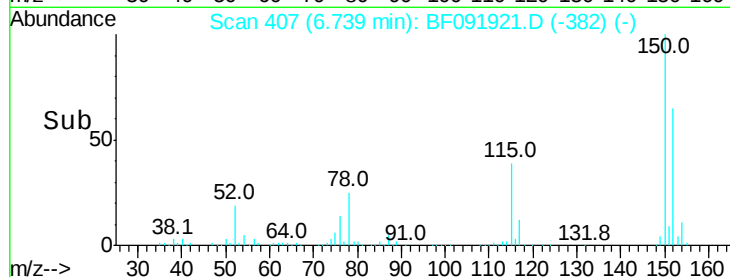
115 59.4 46.0 69.0



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: 1.05 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.03 min

Lab File: BF091921.D

Acq: 23 Dec 2016 14:08

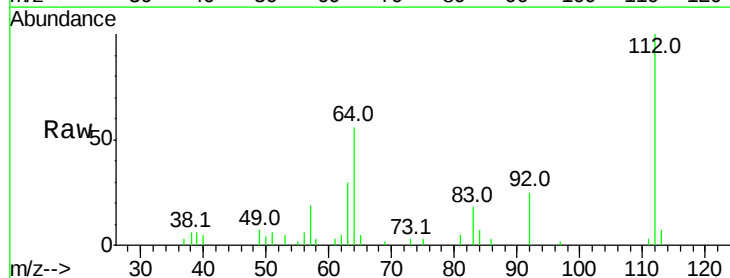
Tgt Ion:112 Resp: 16626

Ion Ratio Lower Upper

112 100

64 56.4 46.1 69.1

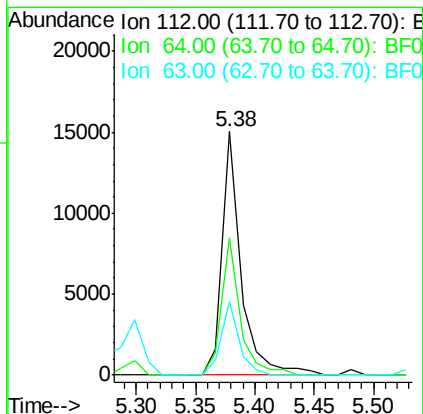
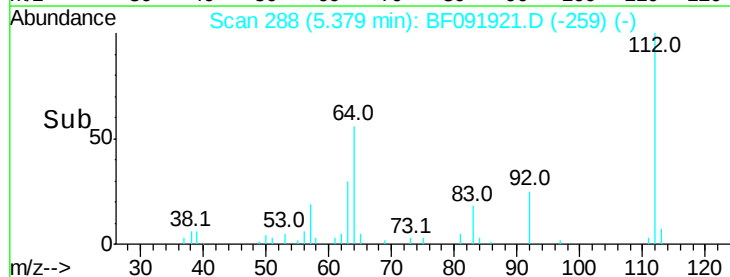
63 30.2 23.8 35.6

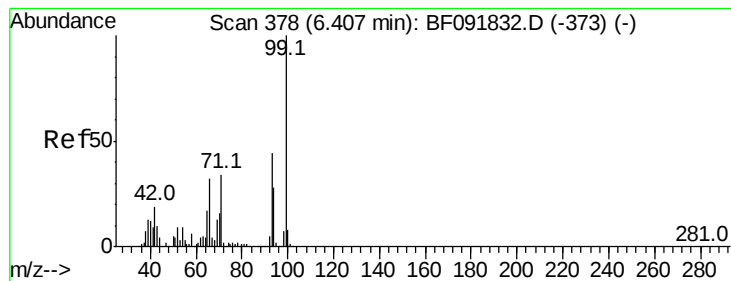


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.85 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.02 min

Lab File: BF091921.D

Acq: 23 Dec 2016 14:08

Instrument :

BNA_F

ClientSampleId :

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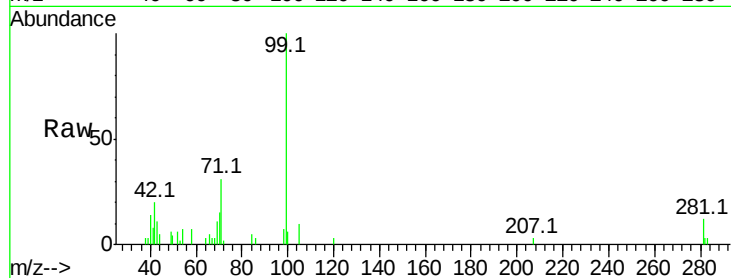
Tot Ion: 99 Resp: 16465

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

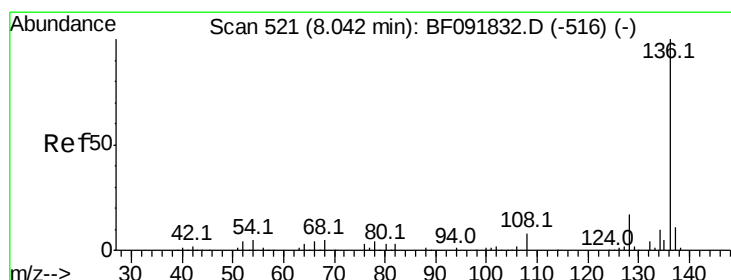
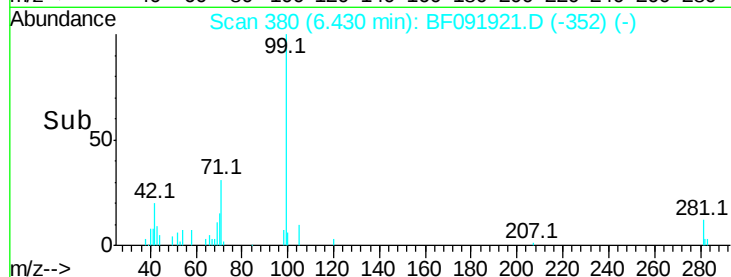
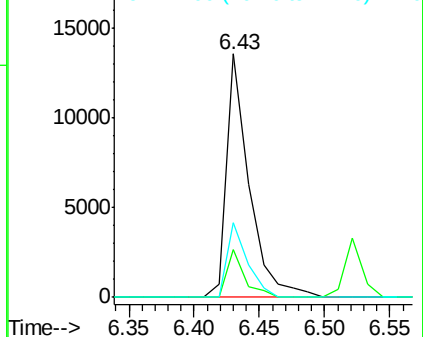
71 30.6 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF091921.D

Acq: 23 Dec 2016 14:08

Tgt Ion: 136 Resp: 898276

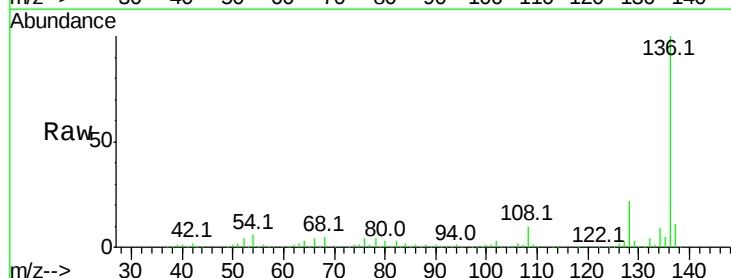
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 6.2 4.5 6.7

68 4.8 3.6 5.4

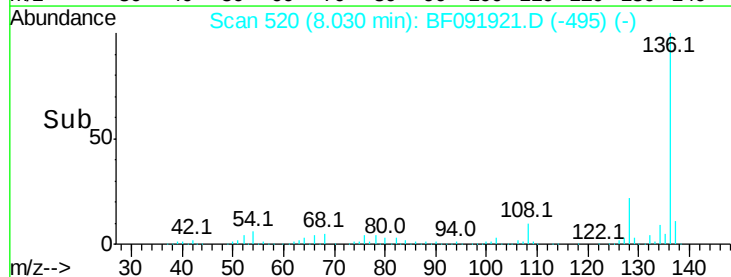
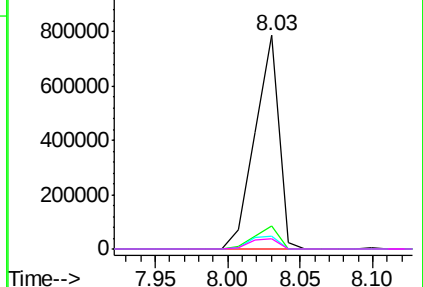


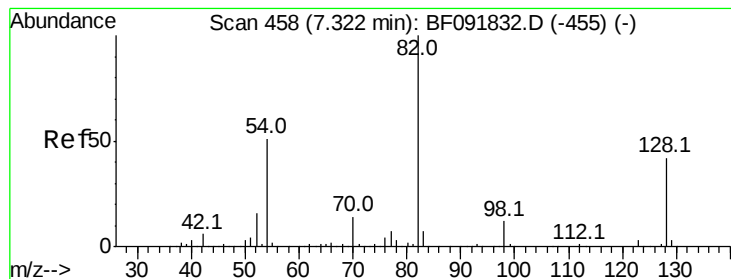
Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.28 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.02 min

Lab File: BF091921.D

Acq: 23 Dec 2016 14:08

Instrument :

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ClientSampleId :

WC-201612DL

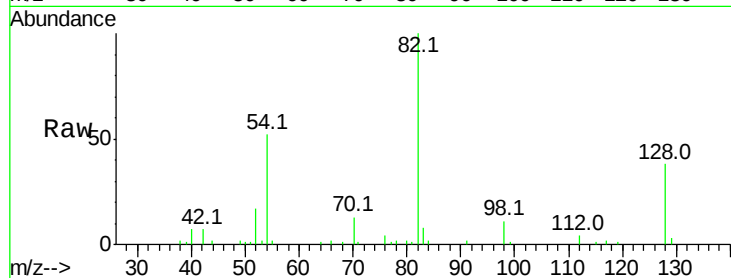
Tot Ion: 82 Resp: 36771

Ion Ratio Lower Upper

82 100

128 37.6 34.6 52.0

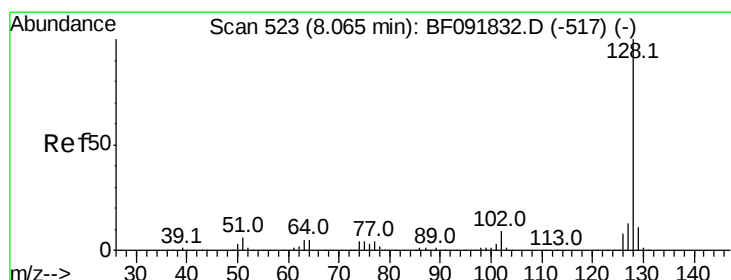
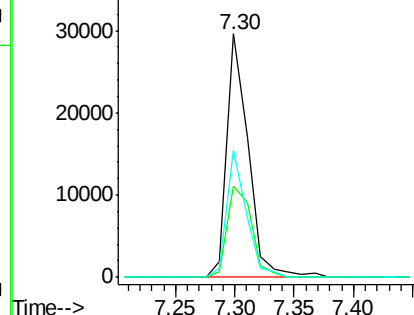
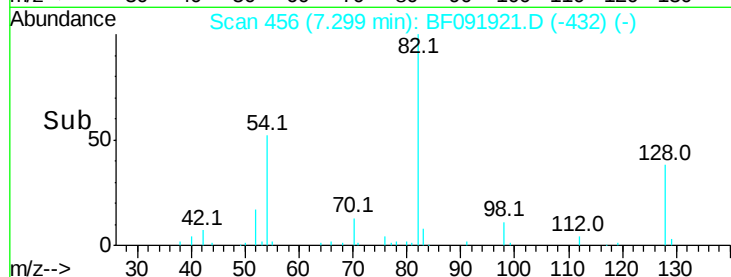
54 52.3 39.5 59.3



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



#31

Naphthalene

Concen: 46.36 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF091921.D

Acq: 23 Dec 2016 14:08

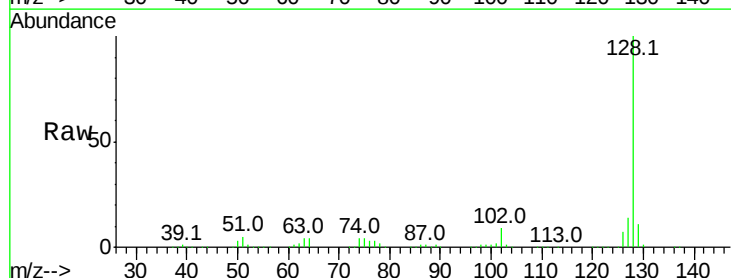
Tgt Ion:128 Resp: 1905878

Ion Ratio Lower Upper

128 100

129 10.9 9.5 14.3

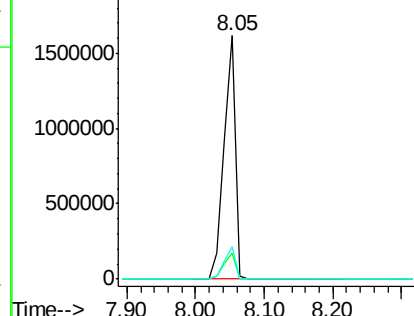
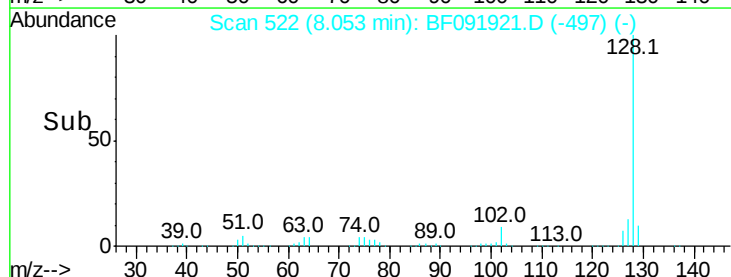
127 13.5 10.8 16.2

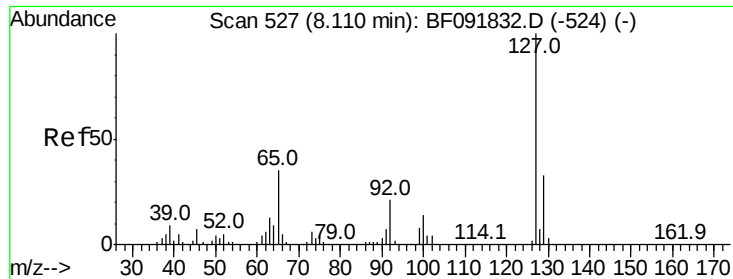


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

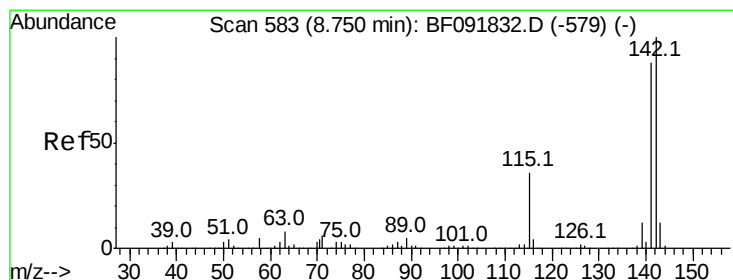
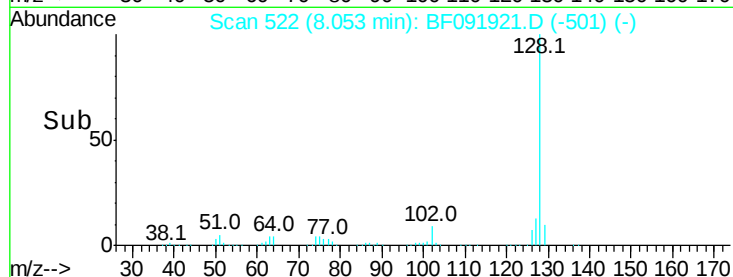
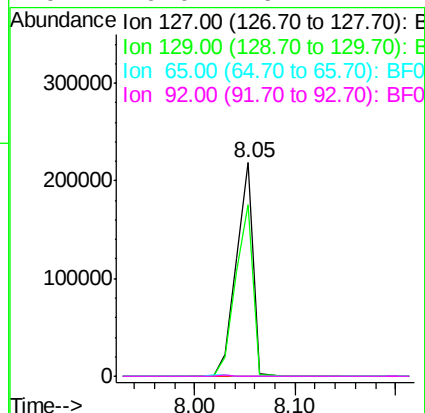
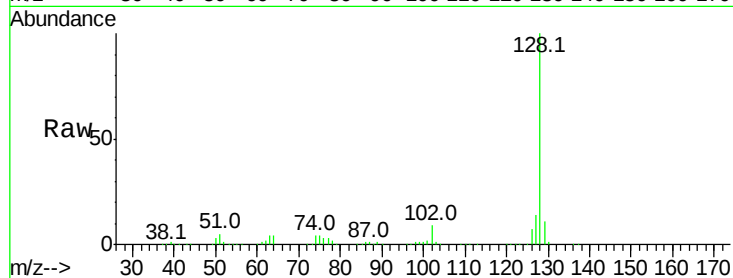




#33
4-Chloroaniline
Concen: 13.59 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.06 min
Lab File: BF091921.D
Acq: 23 Dec 2016 14:08

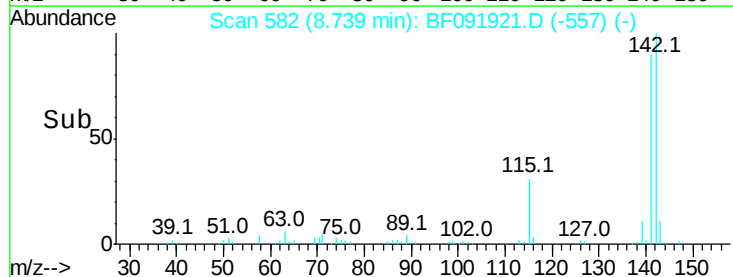
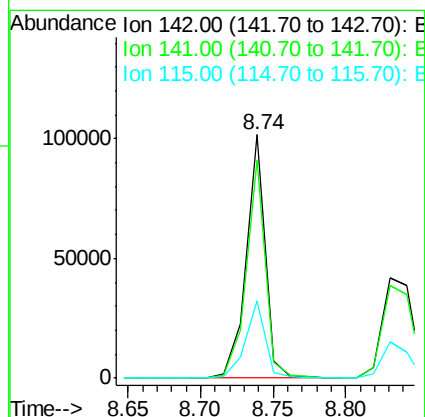
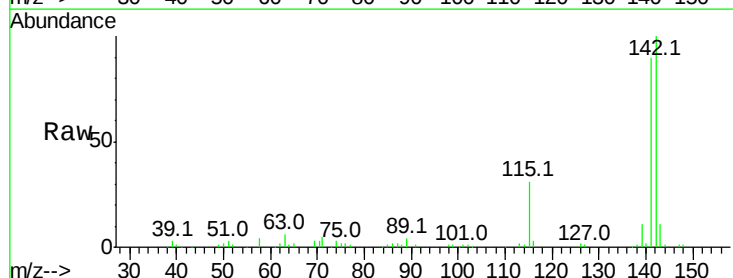
Instrument :
BNA_F
ClientSampleId :
WC-201612DL

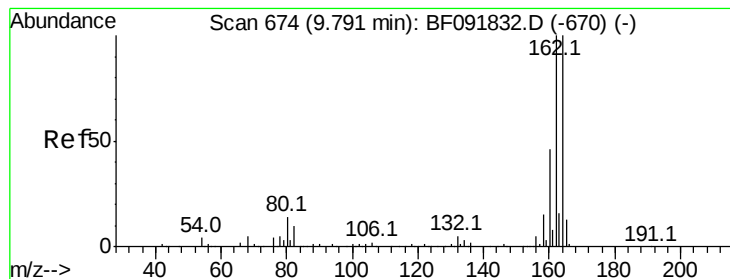
Tot Ion:127 Resp: 251845
Ion Ratio Lower Upper
127 100
129 80.6 26.3 39.5#
65 0.0 25.8 38.8#
92 0.0 16.1 24.1#



#37
2-Methylnaphthalene
Concen: 2.43 ng
RT: 8.74 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF091921.D
Acq: 23 Dec 2016 14:08

Tgt Ion:142 Resp: 92347
Ion Ratio Lower Upper
142 100
141 89.8 71.0 106.6
115 31.5 28.3 42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091921.D

Acq: 23 Dec 2016 14:08

Instrument :

BNA_F

ClientSampleId :

WC-201612DL

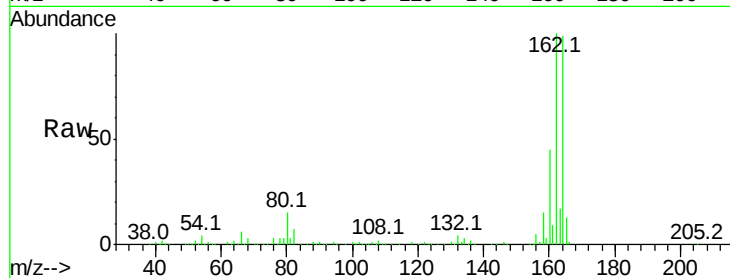
Tot Ion:164 Resp: 495614

Ion Ratio Lower Upper

164 100

162 100.8 80.2 120.2

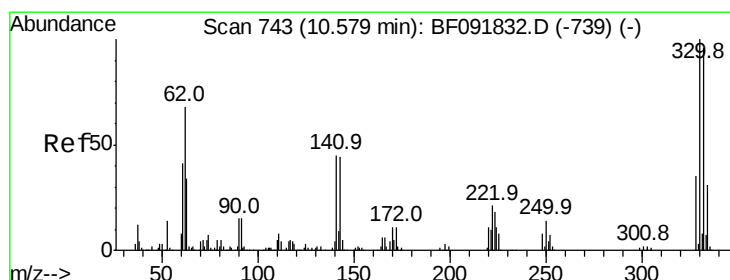
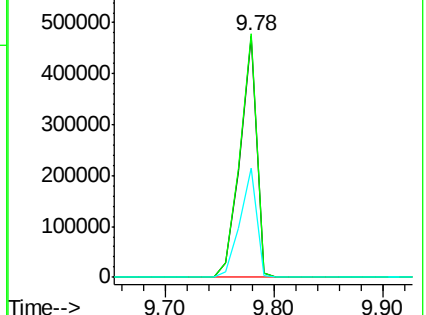
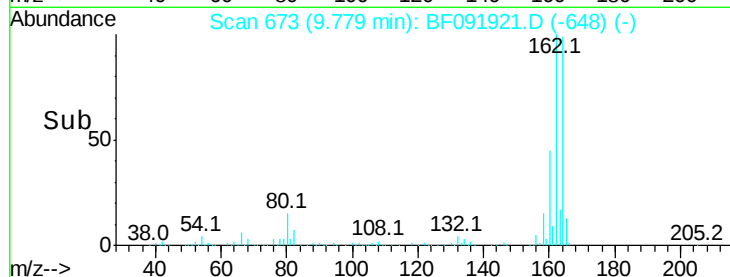
160 45.4 36.9 55.3



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: 3.23 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF091921.D

Acq: 23 Dec 2016 14:08

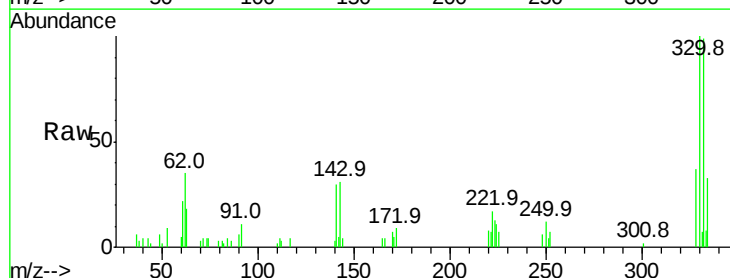
Tgt Ion:330 Resp: 13247

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

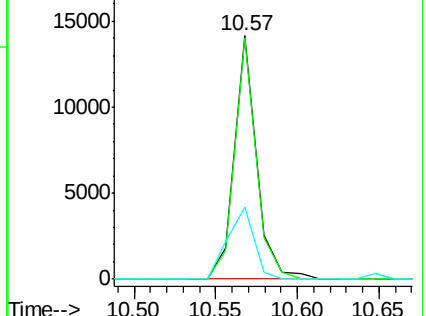
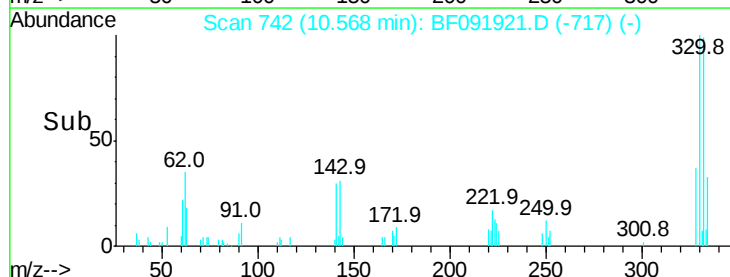
141 35.4 34.1 51.1

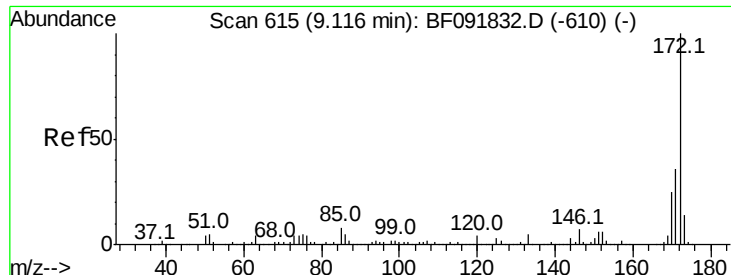


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

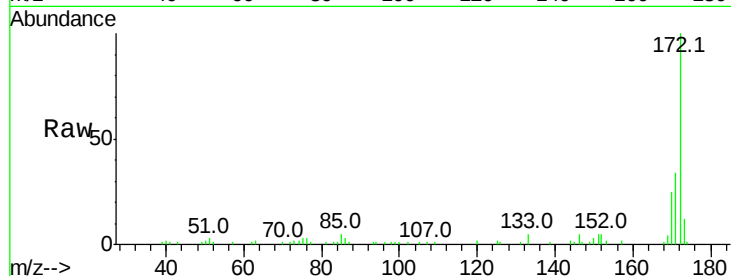




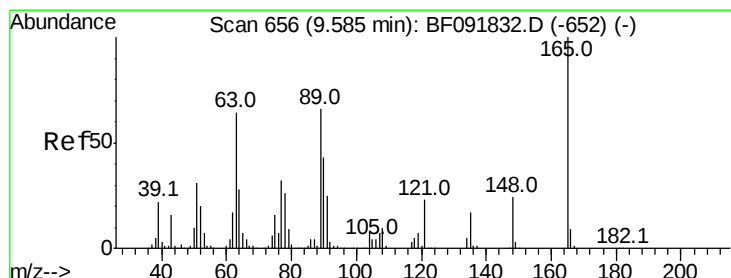
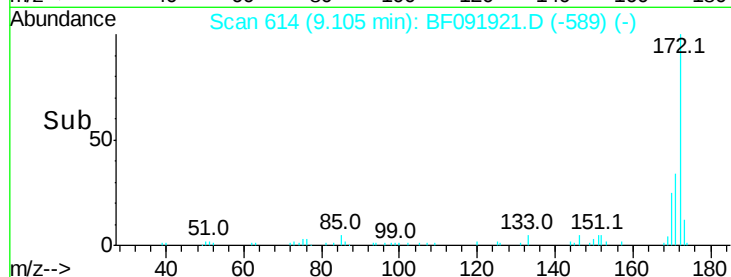
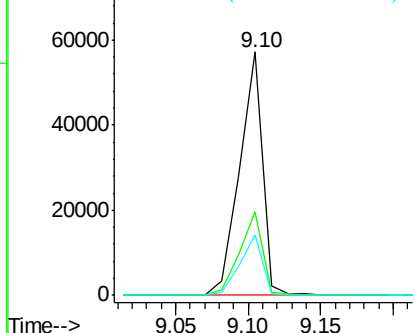
#44
 2-Fluorobiphenyl
 Concen: -12.15 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091921.D
 Acq: 23 Dec 2016 14:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612DL

Tot Ion:172 Resp: 62788
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.4 44.0
 170 24.7 20.2 30.4

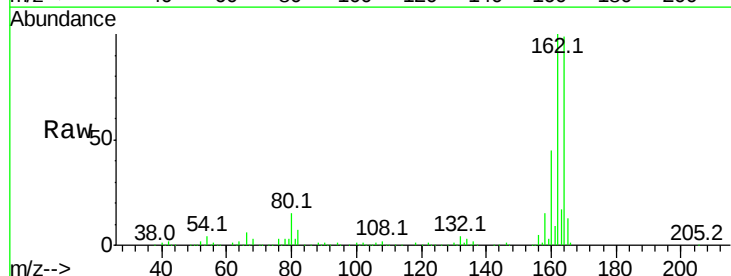


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

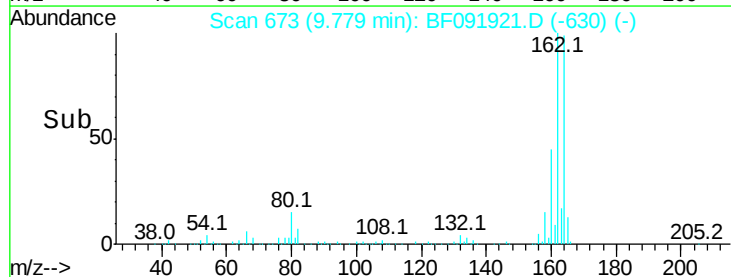
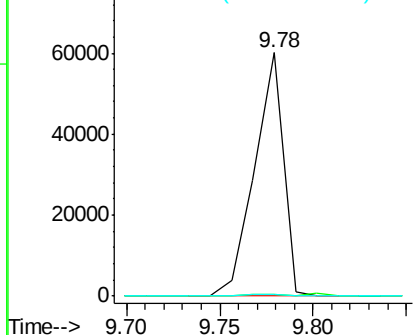


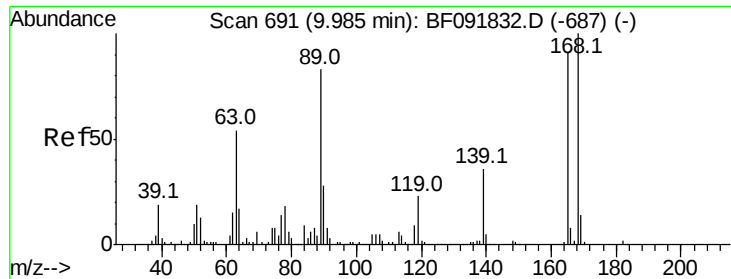
#50
 2,6-Dinitrotoluene
 Concen: 9.25 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.19 min
 Lab File: BF091921.D
 Acq: 23 Dec 2016 14:08

Tgt Ion:165 Resp: 64181
 Ion Ratio Lower Upper
 165 100
 63 0.6 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

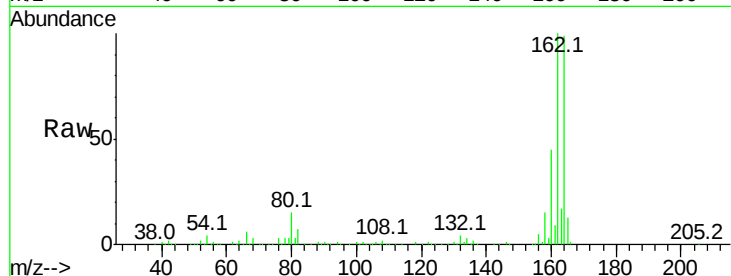




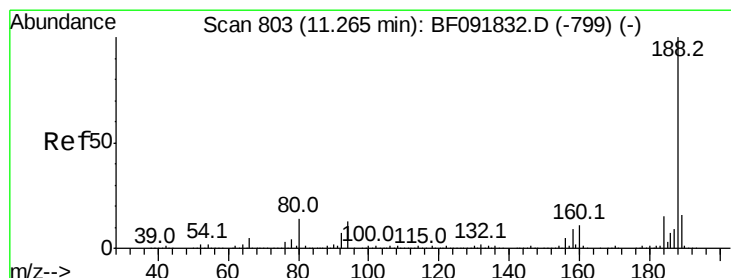
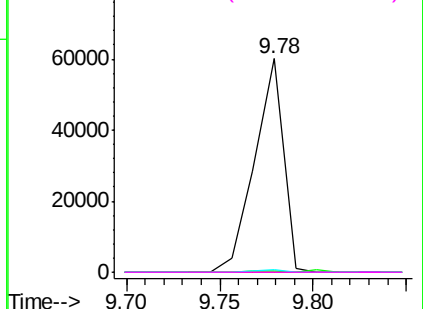
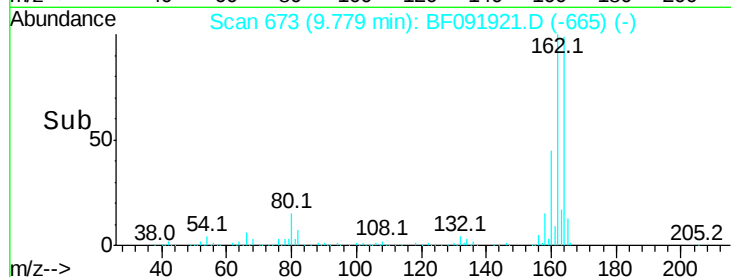
#56
 2,4-Dinitrotoluene
 Concen: 7.37 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.21 min
 Lab File: BF091921.D
 Acq: 23 Dec 2016 14:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612DL

Tot Ion:165 Resp: 64181
 Ion Ratio Lower Upper
 165 100
 63 0.6 40.2 60.4#
 89 1.0 62.5 93.7#
 182 0.0 1.8 2.8#

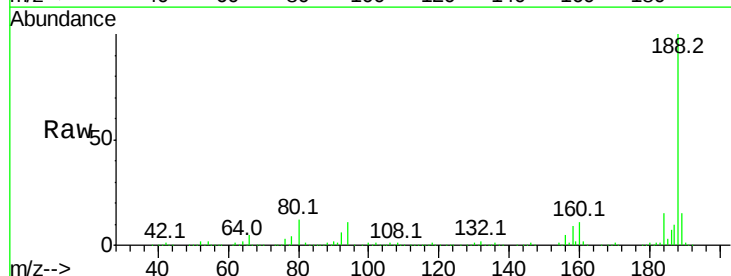


Abundance Ion 165.00 (164.70 to 165.70): E

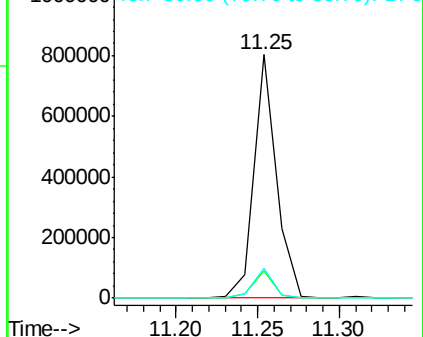
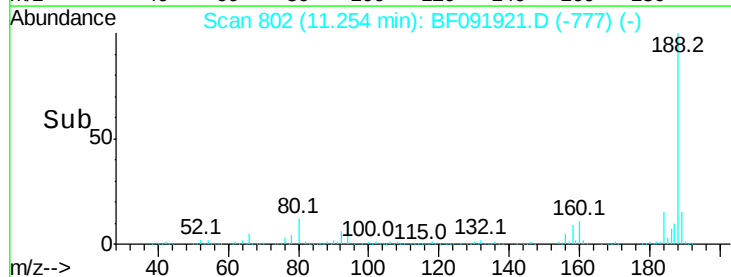


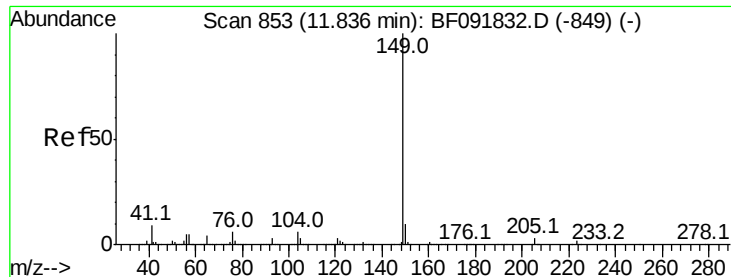
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091921.D
 Acq: 23 Dec 2016 14:08

Tgt Ion:188 Resp: 770885
 Ion Ratio Lower Upper
 188 100
 94 11.1 10.0 15.0
 80 12.4 11.2 16.8



Abundance Ion 188.00 (187.70 to 188.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.82 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF091921.D

Acq: 23 Dec 2016 14:08

Instrument :

BNA_F

ClientSampleId :

WC-201612DL

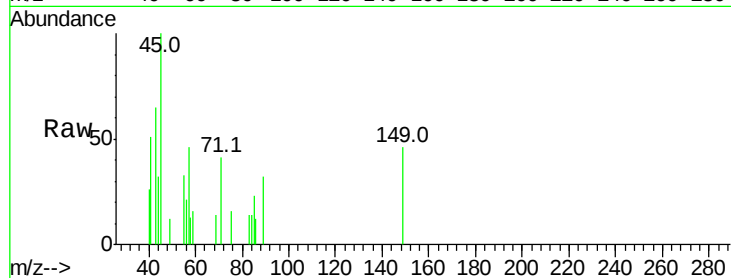
Tot Ion:149 Resp: 801

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

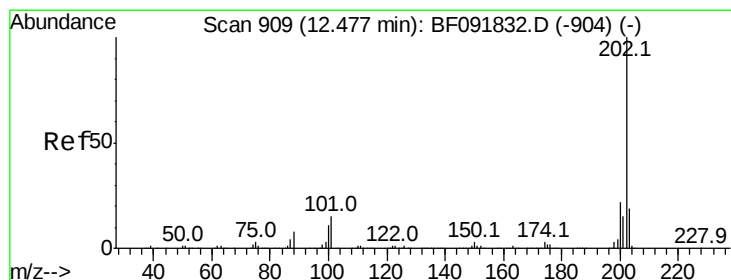
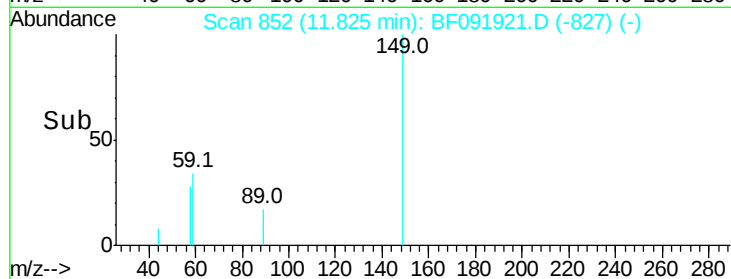
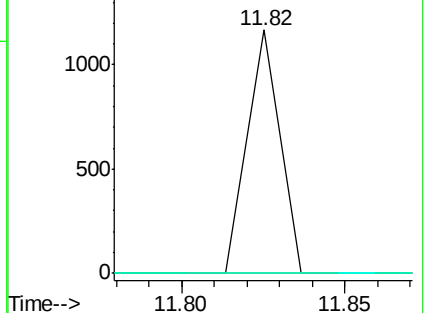
104 0.0 4.6 7.0#



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: 12.47 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091921.D

Acq: 23 Dec 2016 14:08

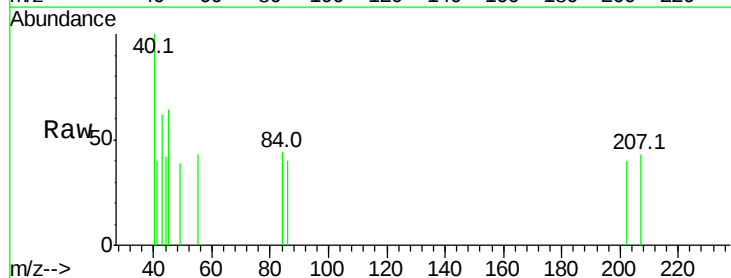
Tgt Ion:202 Resp: 230

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

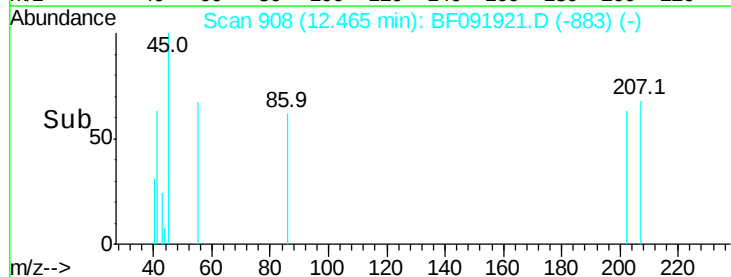
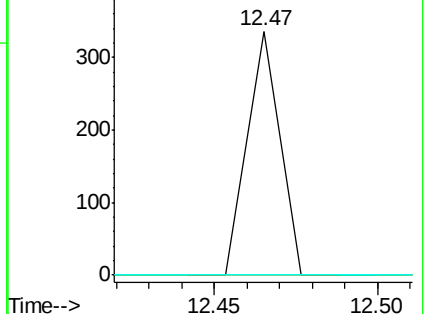
203 0.0 0.0 38.7

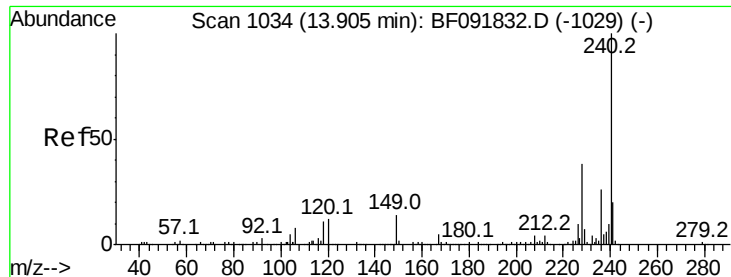


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF091921.D

Acq: 23 Dec 2016 14:08

Instrument :

BNA_F

ClientSampleId :

WC-201612DL

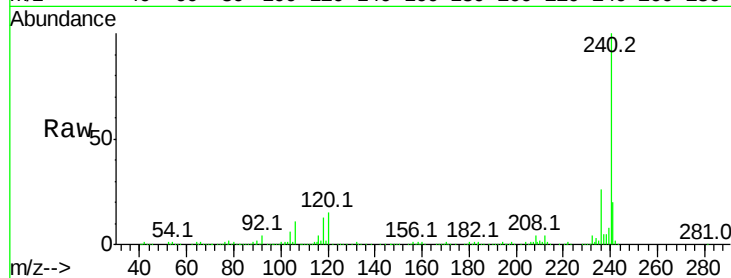
Tot Ion:240 Resp: 609833

Ion Ratio Lower Upper

240 100

120 15.2 12.9 19.3

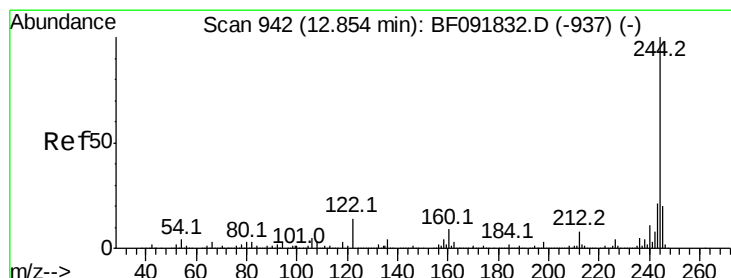
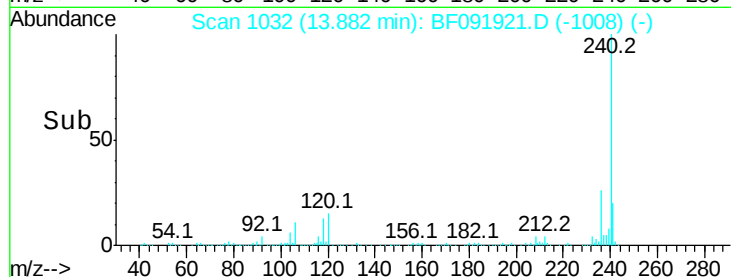
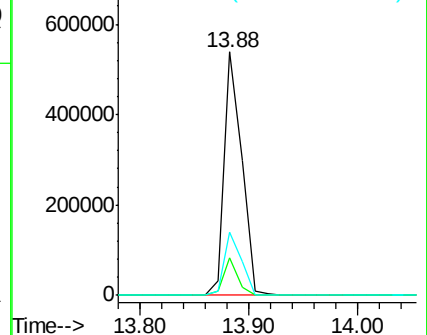
236 25.9 20.9 31.3



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: 2.09 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091921.D

Acq: 23 Dec 2016 14:08

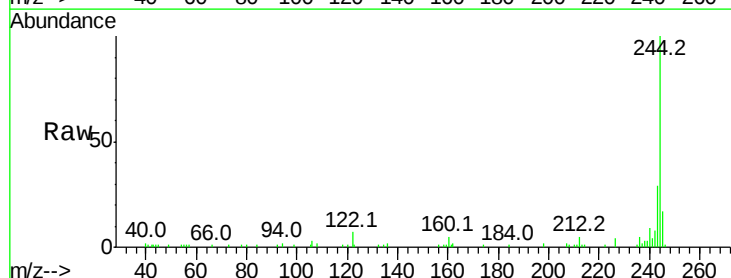
Tgt Ion:244 Resp: 52450

Ion Ratio Lower Upper

244 100

212 5.3 6.2 9.2#

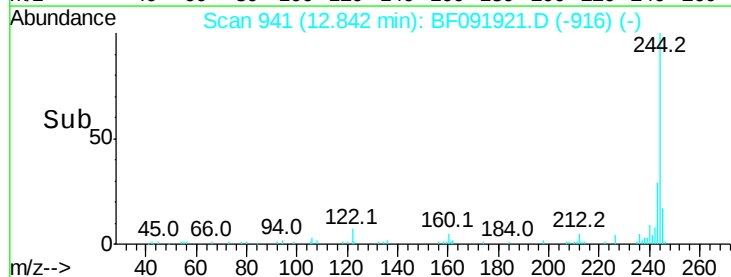
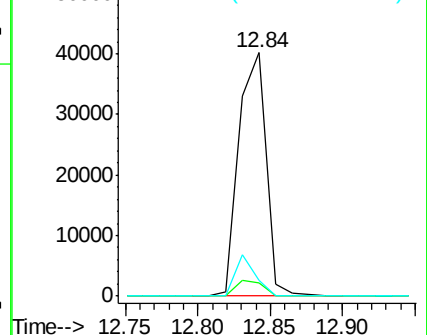
122 6.7 11.4 17.2#

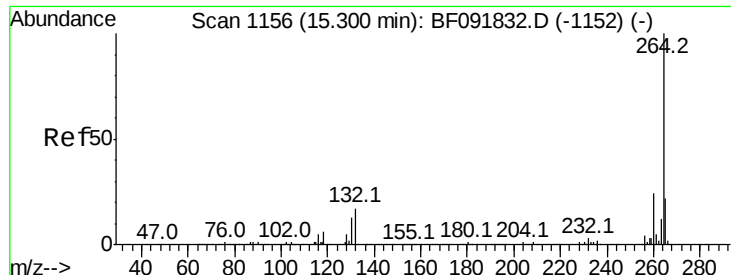


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

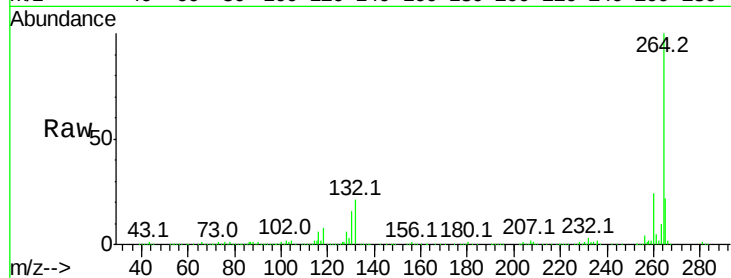




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: BF091921.D
 Acq: 23 Dec 2016 14:08

Instrument :
 BNA_F
 ClientSampleId :
 WC-201612DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	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

