

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088908.D
 Acq On : 11 Jul 2016 19:25
 Operator : UM/SJ
 Sample : H3915-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P7-B1-0-11-C

Quant Time: Jul 12 02:04:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

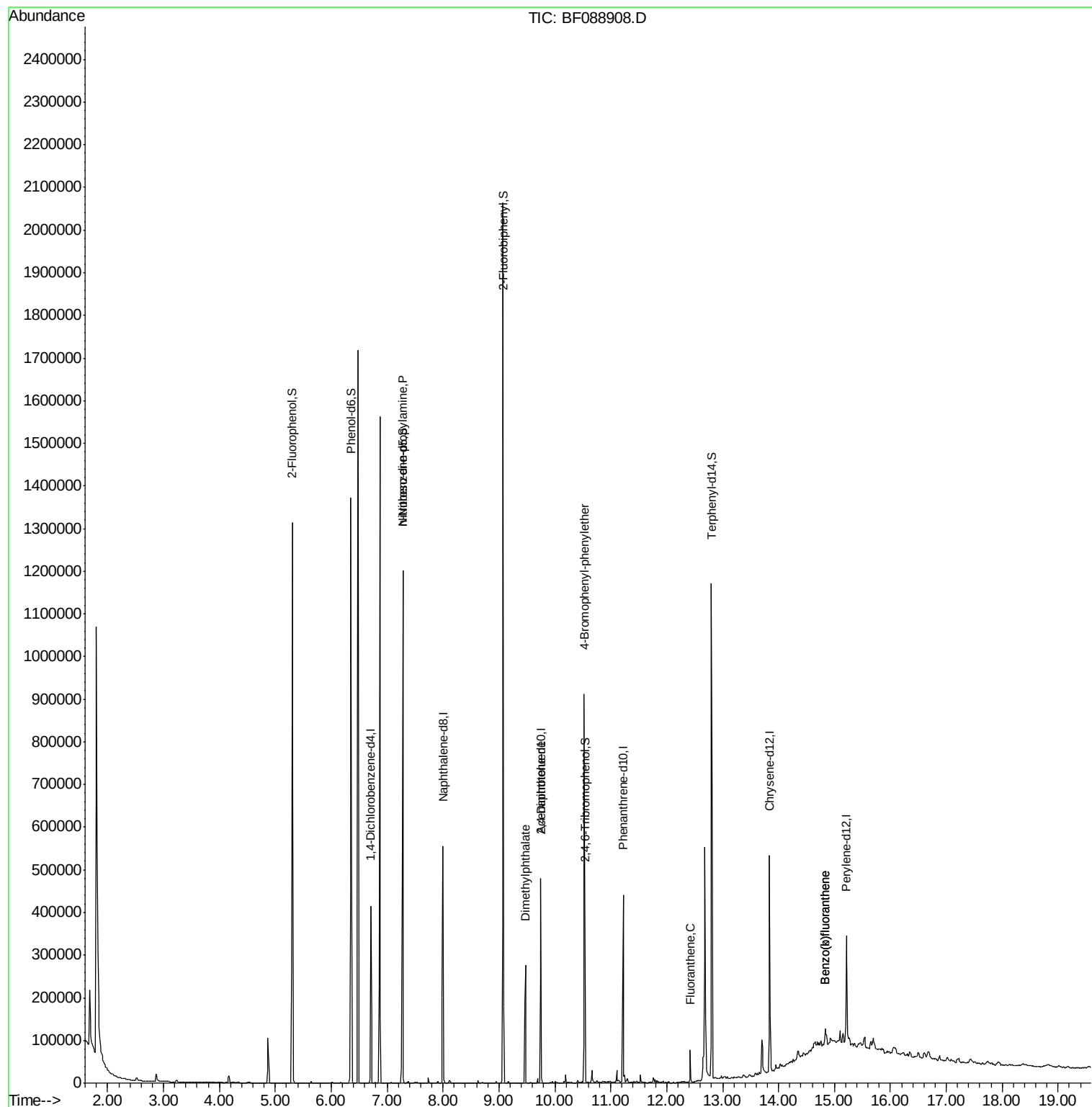
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	64412	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	266578	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	108081	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	179654	20.00	ng	0.00
75) Chrysene-d12	13.84	240	143190	20.00	ng	-0.01
86) Perylene-d12	15.21	264	123939	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	501354	116.65	ng	0.01
7) Phenol-d6	6.35	99	605753	109.08	ng	0.00
23) Nitrobenzene-d5	7.28	82	423376	83.23	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	125534	125.08	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	589681	86.18	ng	0.00
78) Terphenyl-d14	12.80	244	433689	67.46	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	57436	15.40	ng	# 71
49) Dimethylphthalate	9.47	163	152011	19.74	ng	98
56) 2,4-Dinitrotoluene	9.75	165	13813	6.19	ng	# 36
66) 4-Bromophenyl-phenylether	10.52	248	7710	4.26	ng	# 1
74) Fluoranthene	12.42	202	25842	2.60	ng	98
87) Benzo(b)fluoranthene	14.83	252	22805	2.93	ng	# 78
88) Benzo(k)fluoranthene	14.83	252	22805	3.37	ng	# 85

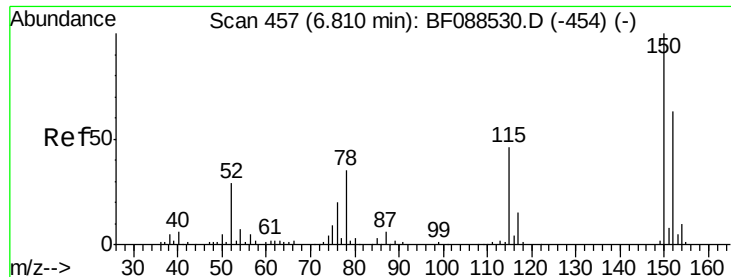
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.00 min

Lab File: BF088908.D

Acq: 11 Jul 2016 19:25

Instrument :

BNA_F

ClientSampleId :

P7-B1-0-11-C

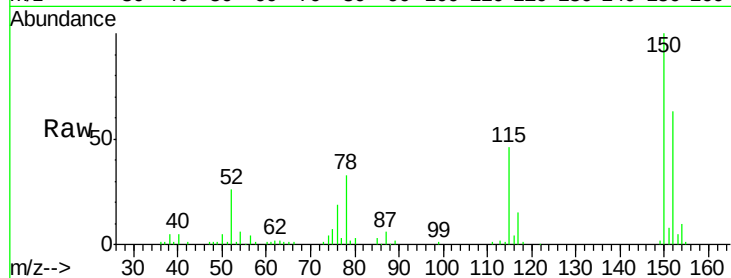
Tgt Ion:152 Resp: 64412

Ion Ratio Lower Upper

152 100

150 159.2 123.8 185.6

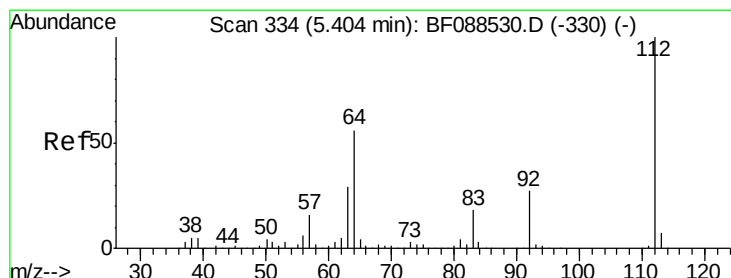
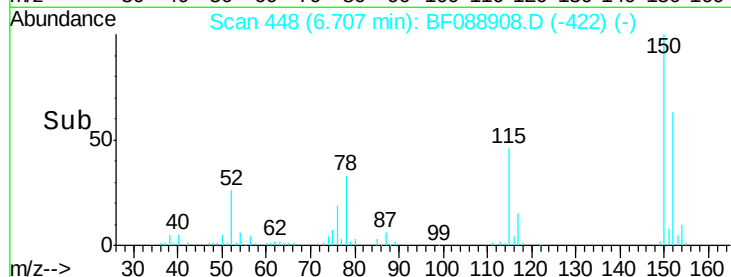
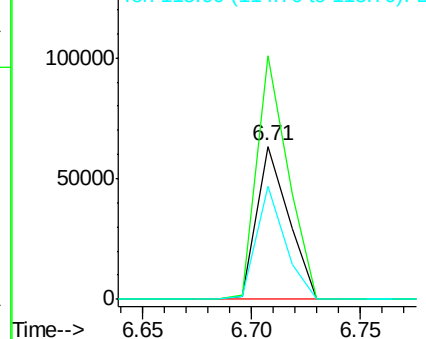
115 73.6 39.6 59.4#



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: 116.65 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088908.D

Acq: 11 Jul 2016 19:25

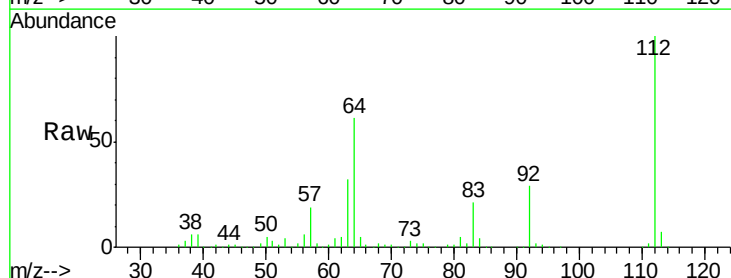
Tgt Ion:112 Resp: 501354

Ion Ratio Lower Upper

112 100

64 60.8 42.2 63.2

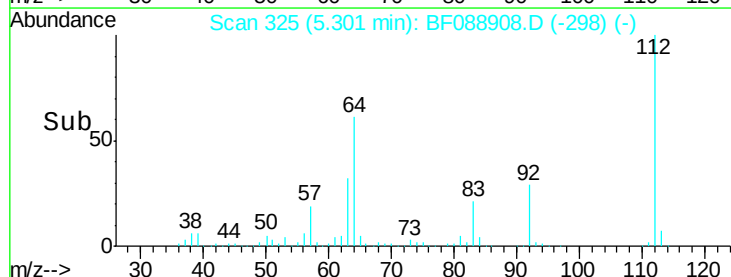
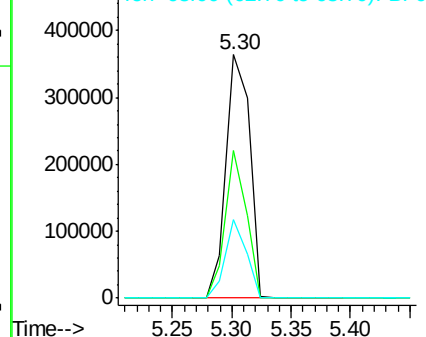
63 32.5 21.8 32.8

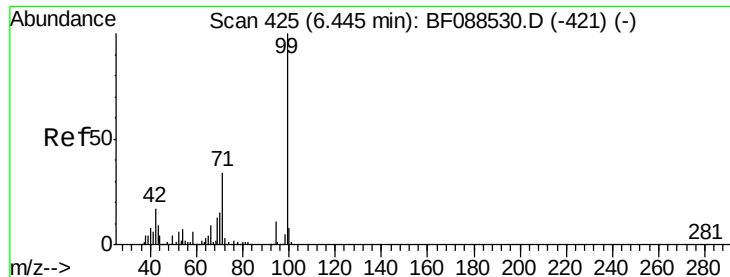


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.08 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088908.D

Acq: 11 Jul 2016 19:25

Instrument :

BNA_F

ClientSampleId :

P7-B1-0-11-C

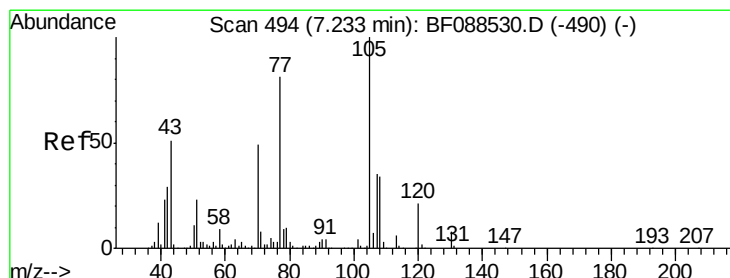
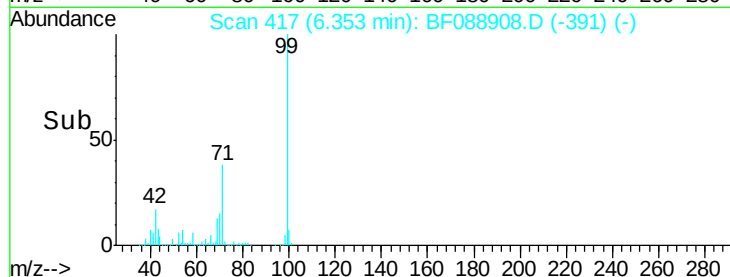
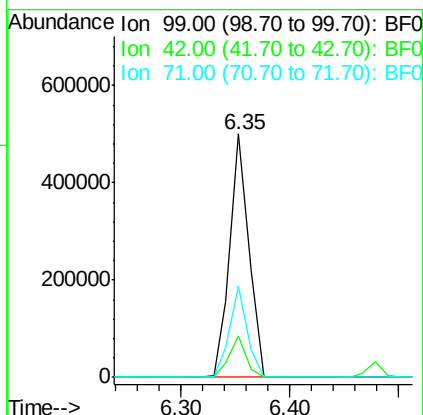
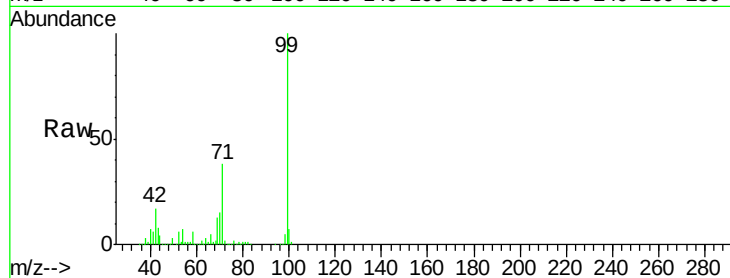
Tgt Ion: 99 Resp: 605753

Ion Ratio Lower Upper

99 100

42 17.2 12.2 18.2

71 37.6 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 15.40 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088908.D

Acq: 11 Jul 2016 19:25

Tgt Ion: 70 Resp: 57436

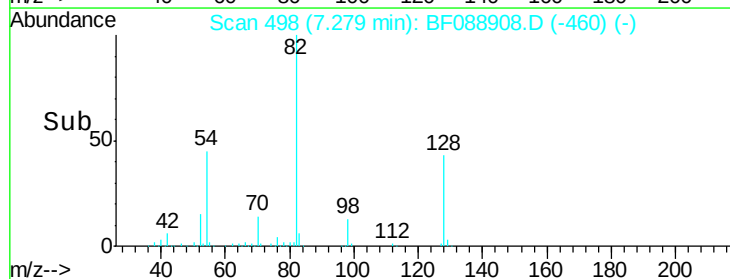
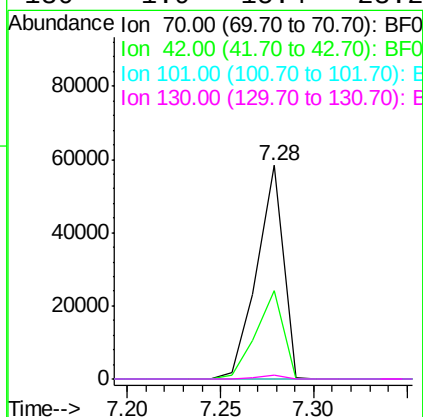
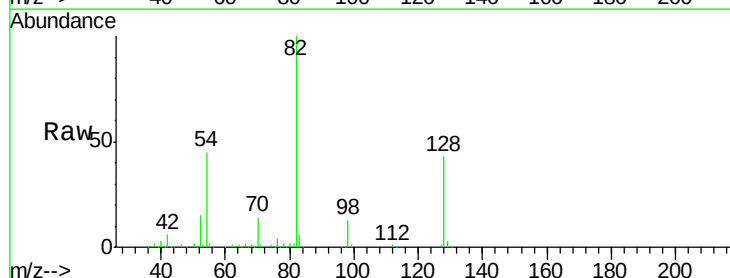
Ion Ratio Lower Upper

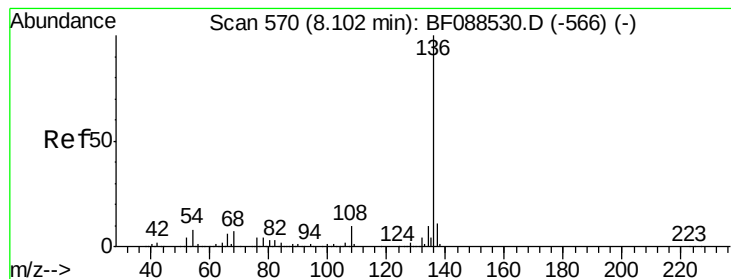
70 100

42 41.4 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF088908.D

Acq: 11 Jul 2016 19:25

Instrument :

BNA_F

ClientSampleId :

P7-B1-0-11-C

Tgt Ion: 136 Resp: 266578

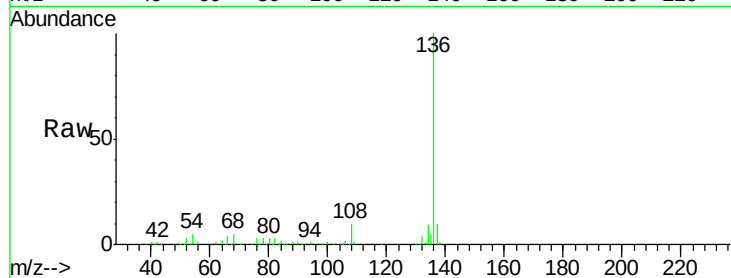
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.4 6.6 10.0#

68 4.7 5.1 7.7#

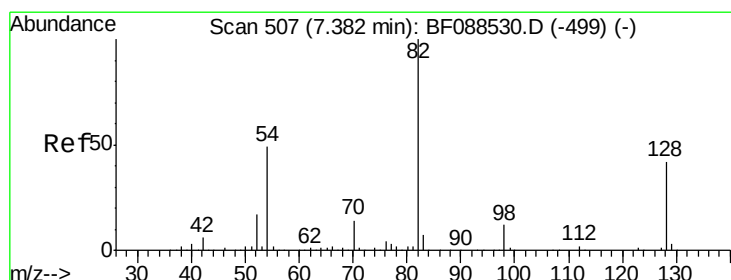
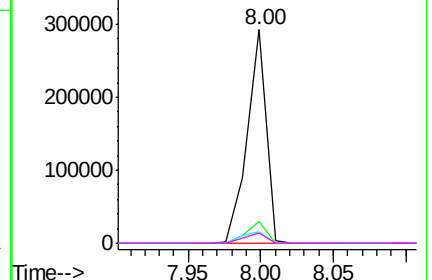
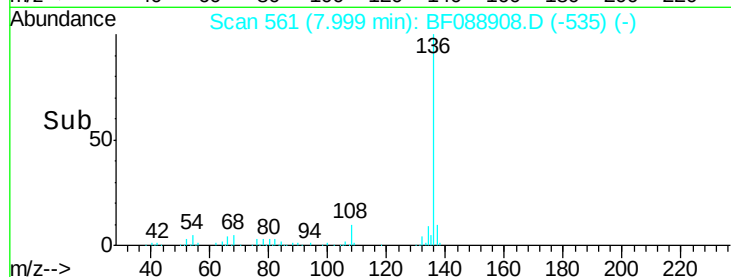


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.23 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF088908.D

Acq: 11 Jul 2016 19:25

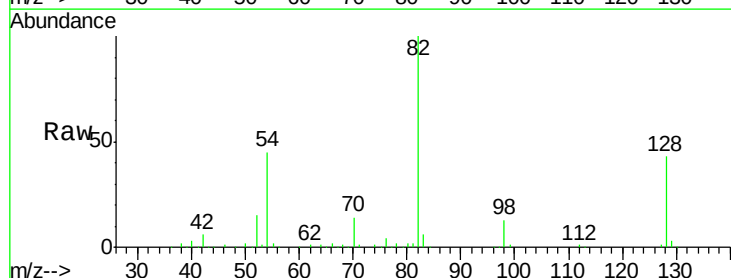
Tgt Ion: 82 Resp: 423376

Ion Ratio Lower Upper

82 100

128 43.2 35.9 53.9

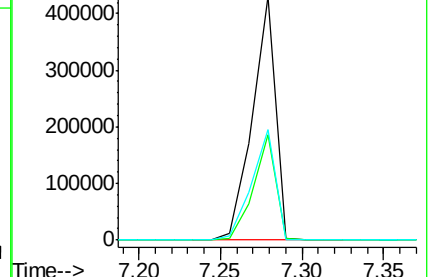
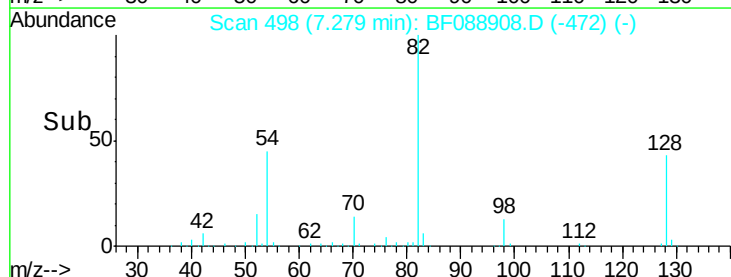
54 45.3 40.9 61.3

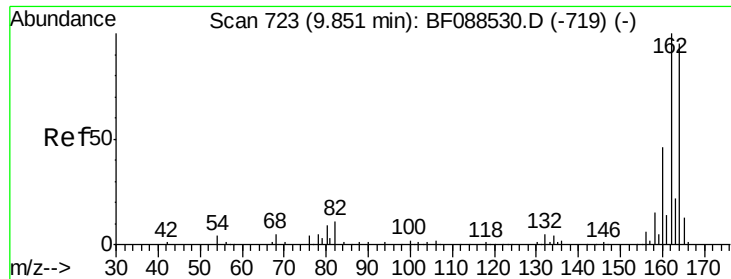


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

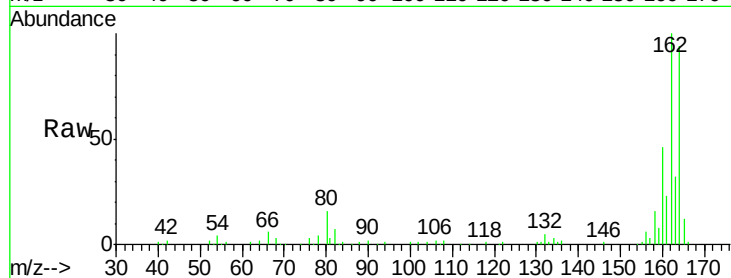




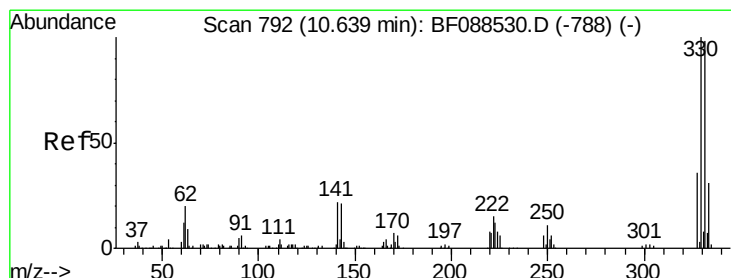
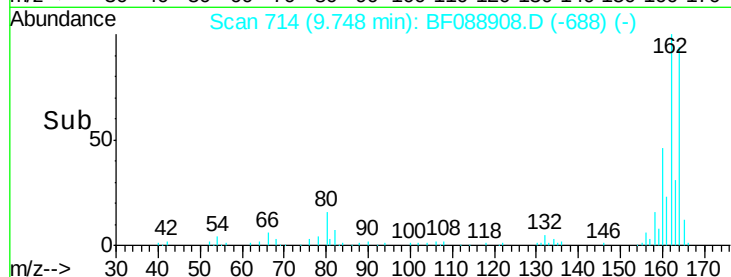
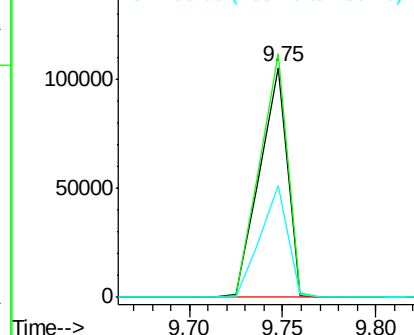
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.00 min
Lab File: BF088908.D
Acq: 11 Jul 2016 19:25

Instrument :
BNA_F
ClientSampleId :
P7-B1-0-11-C

Tgt Ion:164 Resp: 108081
Ion Ratio Lower Upper
164 100
162 105.9 85.4 128.2
160 48.6 39.5 59.3

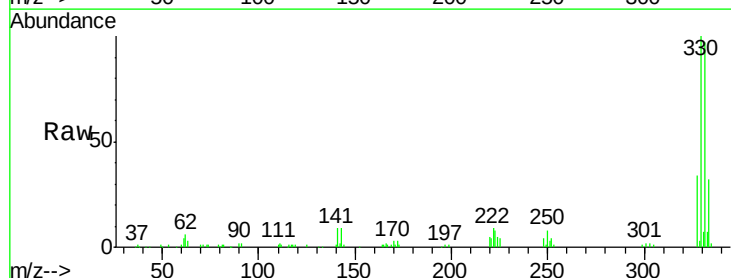


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

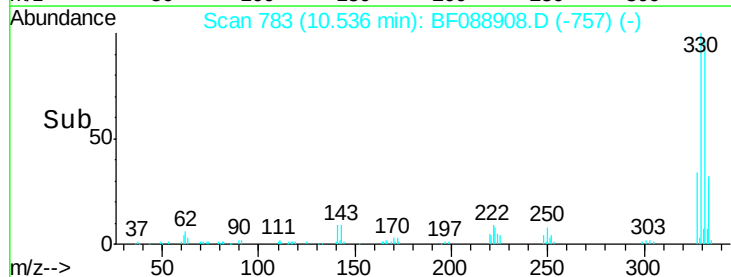
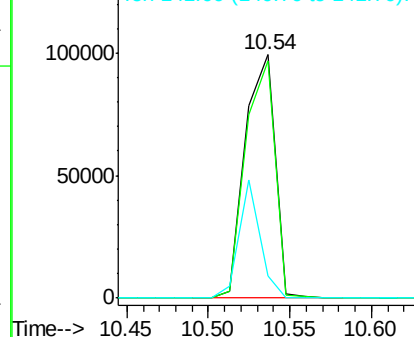


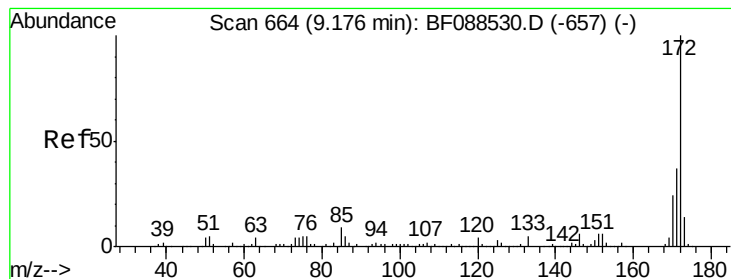
#41
2,4,6-Tribromophenol
Concen: 125.08 ng
RT: 10.54 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF088908.D
Acq: 11 Jul 2016 19:25

Tgt Ion:330 Resp: 125534
Ion Ratio Lower Upper
330 100
332 96.6 0.0 0.0#
141 34.3 0.0 0.0#



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: 86.18 ng

RT: 9.07 min Scan# 655

Delta R.T. -0.00 min

Lab File: BF088908.D

Acq: 11 Jul 2016 19:25

Instrument :

BNA_F

ClientSampleId :

P7-B1-0-11-C

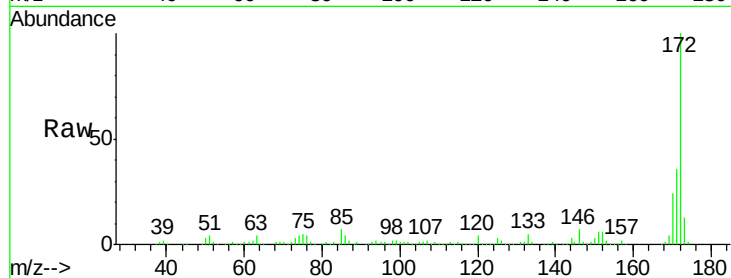
Tgt Ion:172 Resp: 589681

Ion Ratio Lower Upper

172 100

171 36.1 28.6 43.0

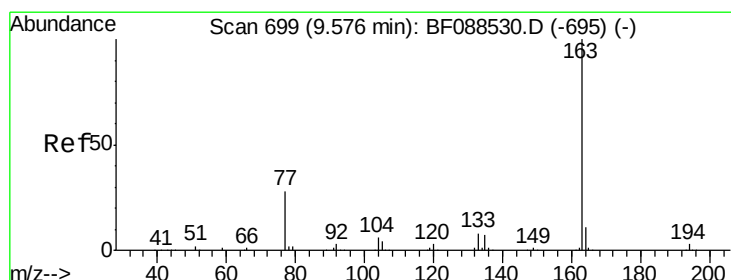
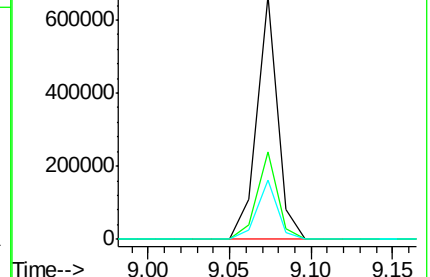
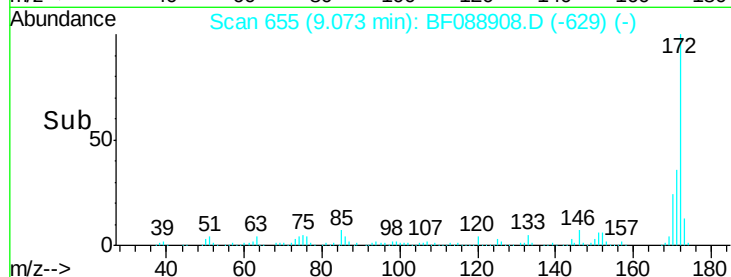
170 24.1 19.2 28.8



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



#49

Dimethylphthalate

Concen: 19.74 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF088908.D

Acq: 11 Jul 2016 19:25

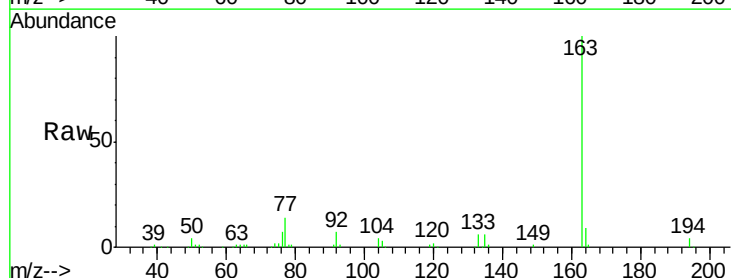
Tgt Ion:163 Resp: 152011

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

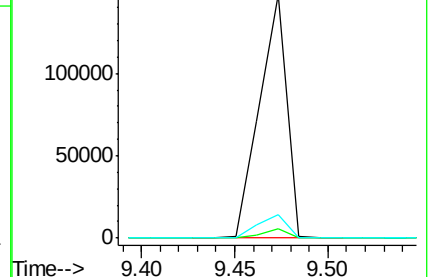
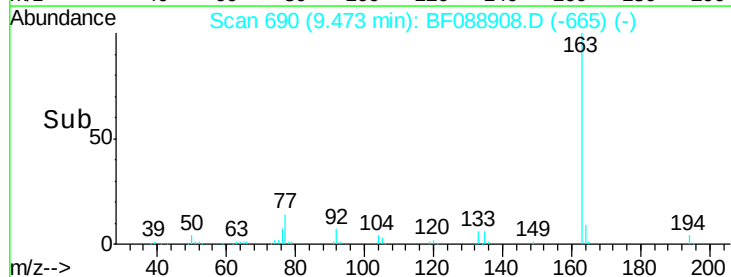
164 9.5 8.3 12.5

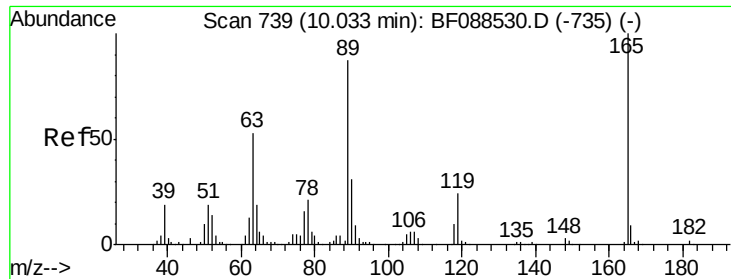


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

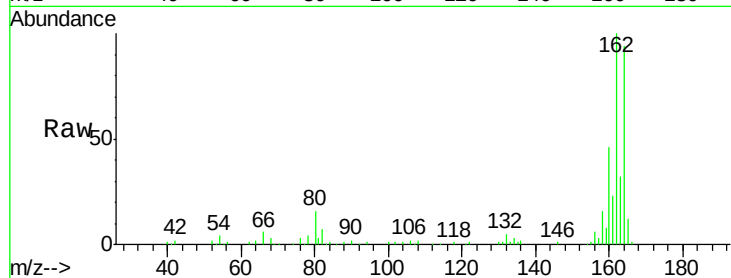




#56
 2,4-Dinitrotoluene
 Concen: 6.19 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.19 min
 Lab File: BF088908.D
 Acq: 11 Jul 2016 19:25

Instrument :
 BNA_F
 ClientSampleId :
 P7-B1-0-11-C

Tgt Ion:	165	Resp:	13813
Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

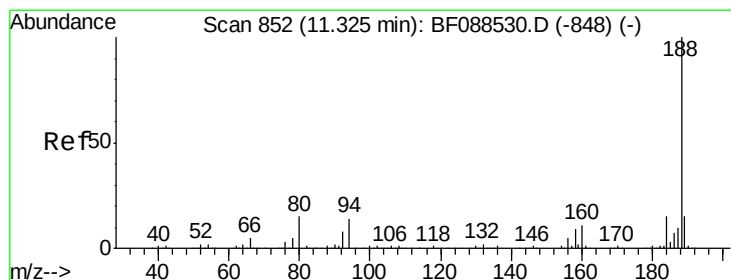
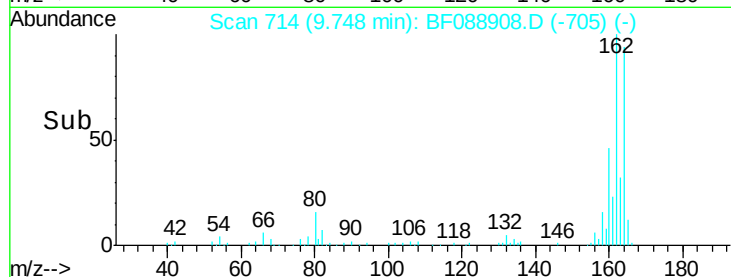
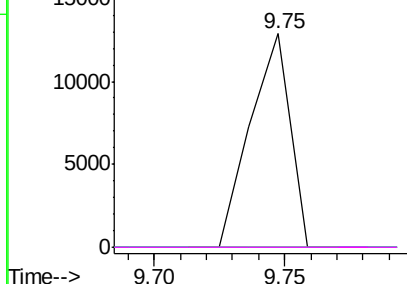


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

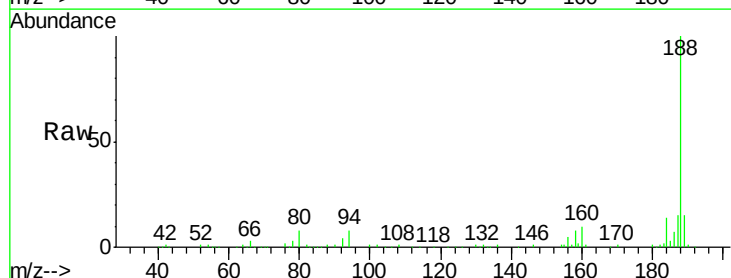
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BF088908.D
 Acq: 11 Jul 2016 19:25

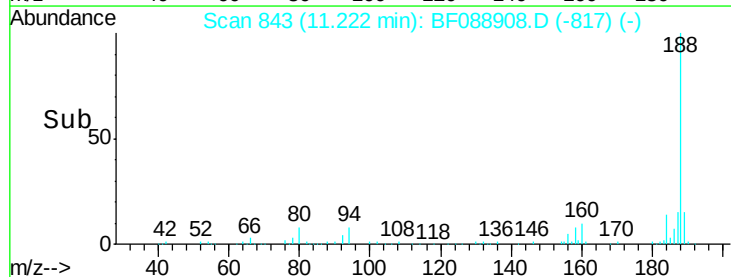
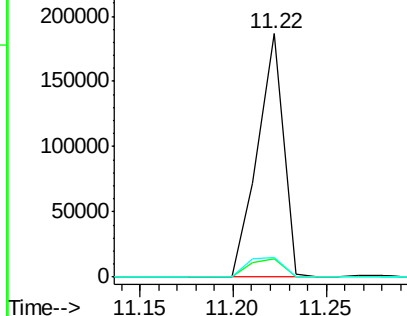
Tgt Ion:	188	Resp:	179654
Ion	Ratio	Lower	Upper
188	100		
94	7.5	9.0	13.6#
80	8.0	10.0	15.0#

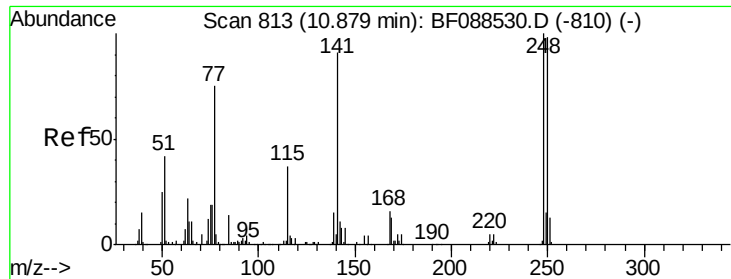


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

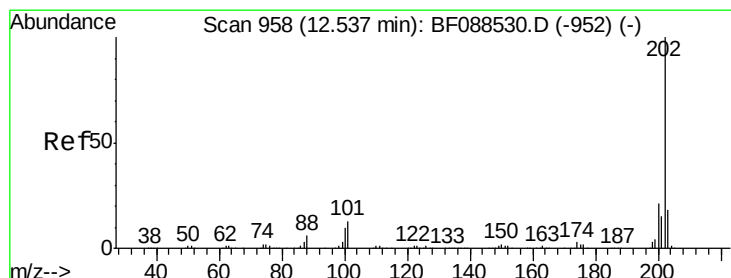
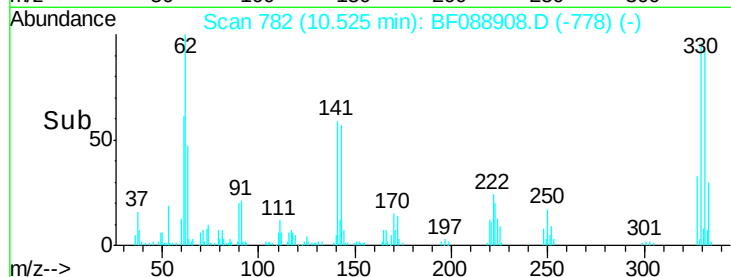
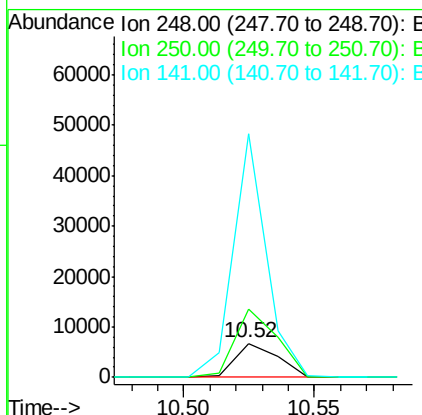
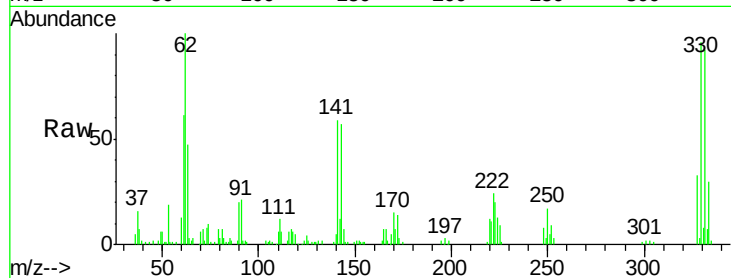




#66
 4-Bromophenyl-phenylether
 Concen: 4.26 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.25 min
 Lab File: BF088908.D
 Acq: 11 Jul 2016 19:25

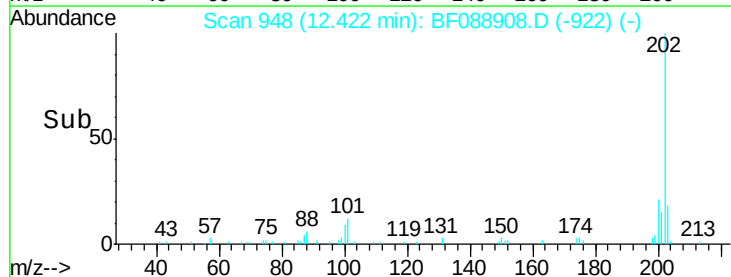
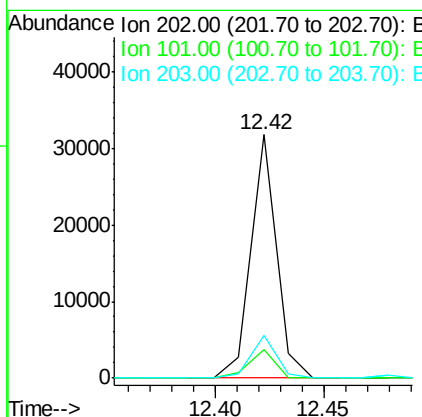
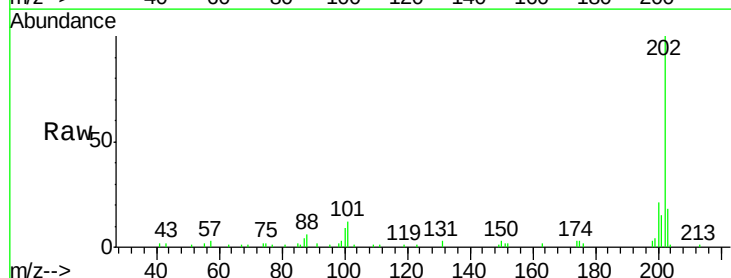
Instrument :
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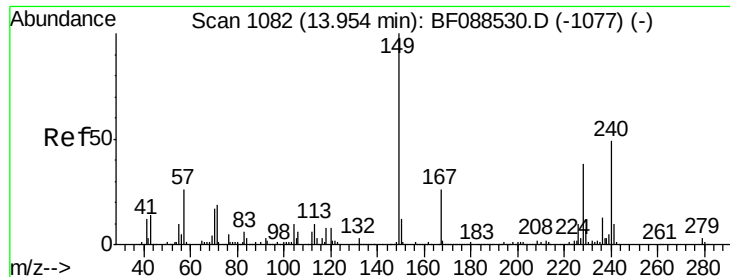
Tgt Ion: 248 Resp: 7710
 Ion Ratio Lower Upper
 248 100
 250 198.6 77.1 115.7#
 141 711.2 50.6 76.0#



#74
 Fluoranthene
 Concen: 2.60 ng
 RT: 12.42 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF088908.D
 Acq: 11 Jul 2016 19:25

Tgt Ion: 202 Resp: 25842
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 33.1
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088908.D

Acq: 11 Jul 2016 19:25

Instrument :

BNA_F

ClientSampleId :

P7-B1-0-11-C

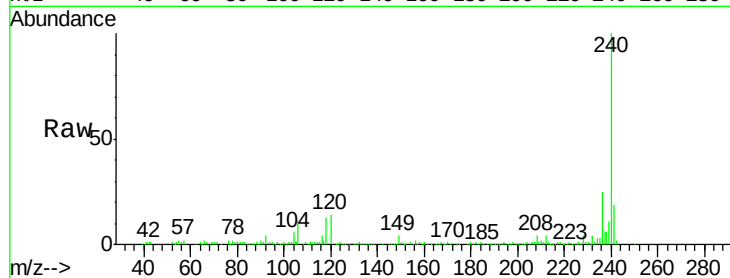
Tgt Ion:240 Resp: 143190

Ion Ratio Lower Upper

240 100

120 13.6 6.8 10.2#

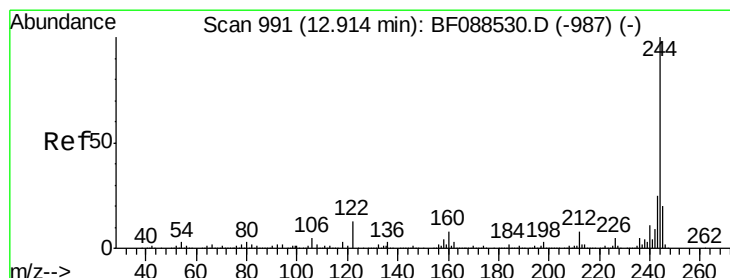
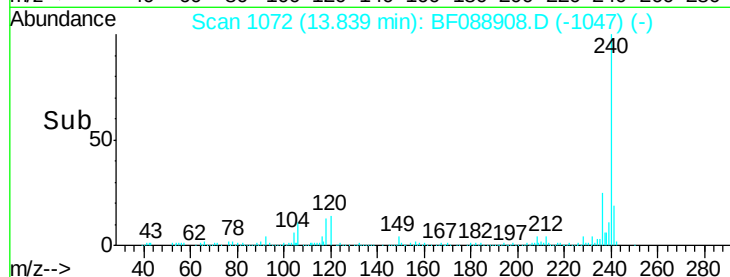
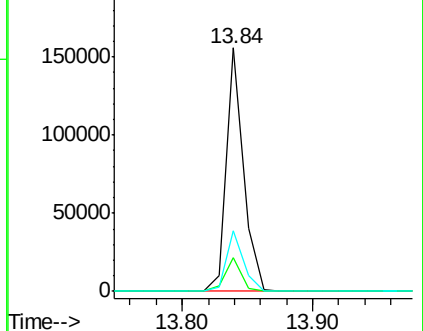
236 25.0 20.2 30.2



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: 67.46 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.00 min

Lab File: BF088908.D

Acq: 11 Jul 2016 19:25

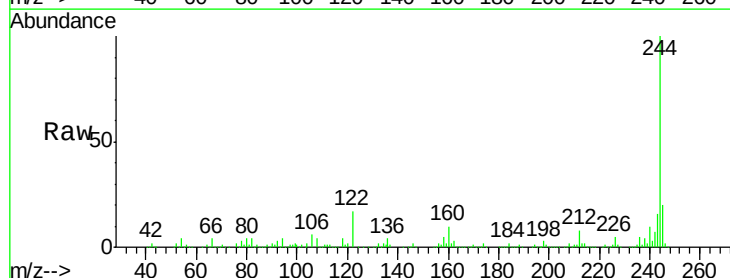
Tgt Ion:244 Resp: 433689

Ion Ratio Lower Upper

244 100

212 8.2 6.0 9.0

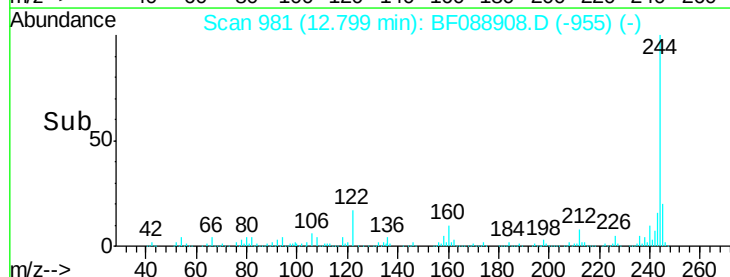
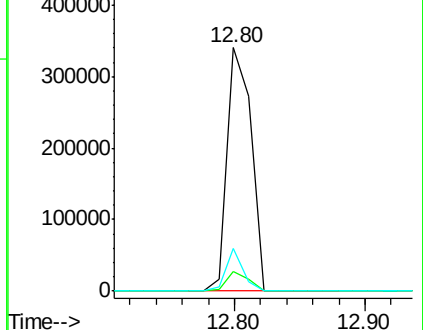
122 17.4 11.2 16.8#

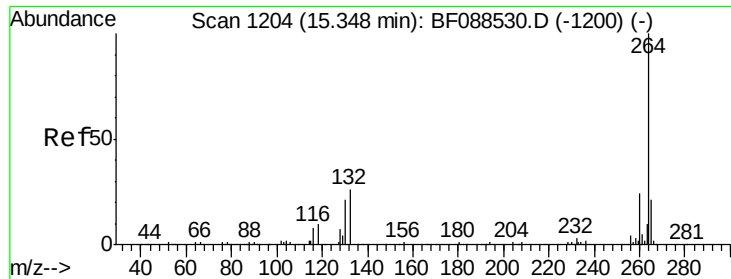


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

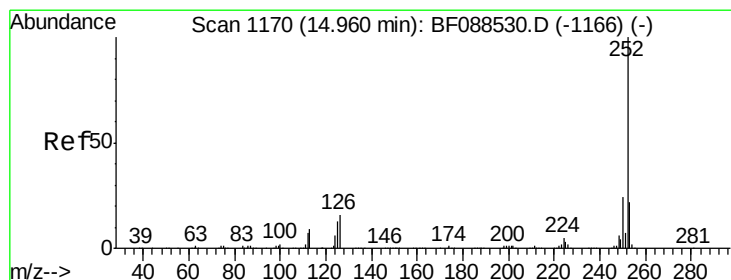
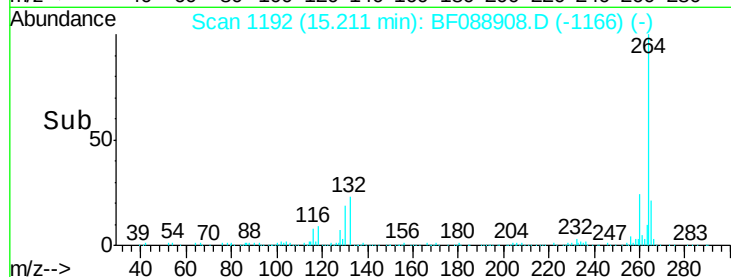
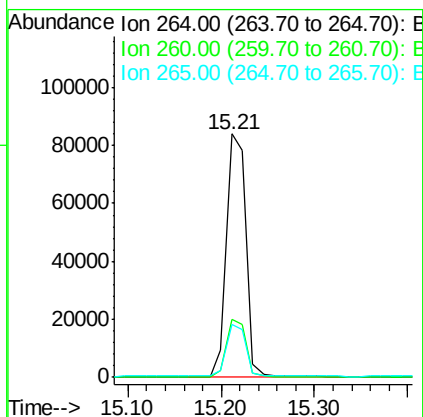
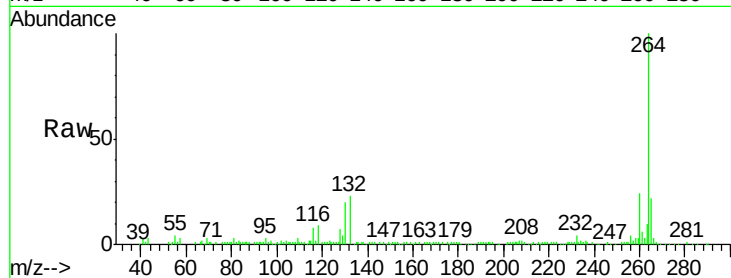




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF088908.D
Acq: 11 Jul 2016 19:25

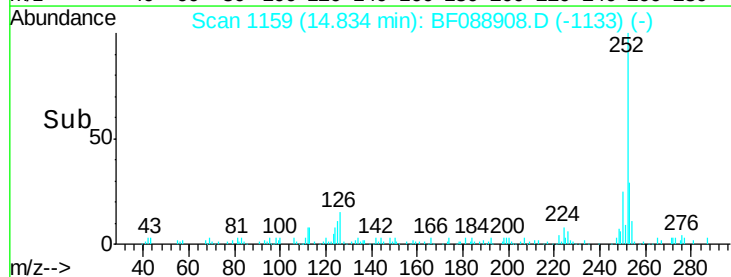
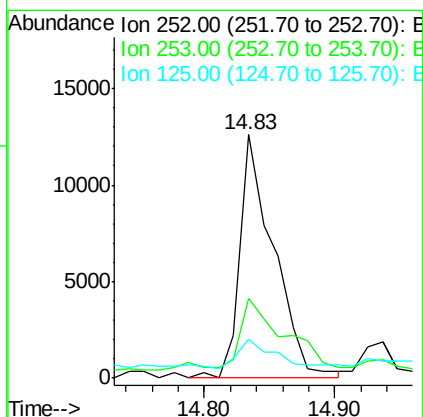
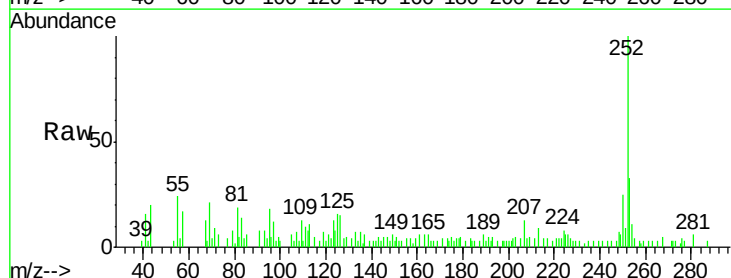
Instrument :
BNA_F
ClientSampleId :
P7-B1-0-11-C

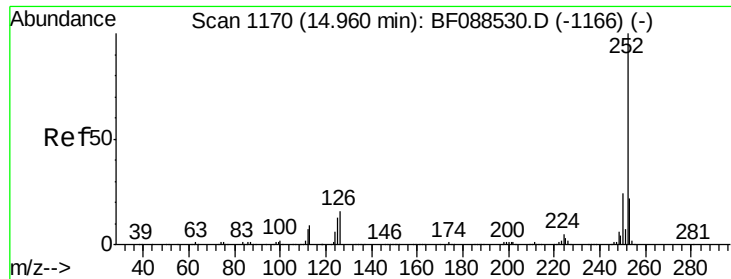
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.9	16.9	25.3



#87
Benzo(b)fluoranthene
Concen: 2.93 ng
RT: 14.83 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BF088908.D
Acq: 11 Jul 2016 19:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.6	17.4	26.2#
125	16.0	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 3.37 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088908.D

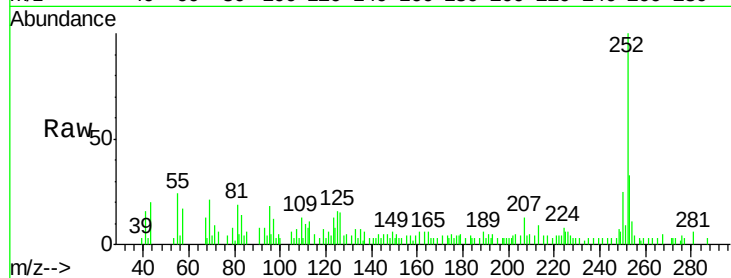
Acq: 11 Jul 2016 19:25

Instrument :

BNA_F

ClientSampleId :

P7-B1-0-11-C



Tgt Ion:	252	Resp:	22805
Ion	Ratio	Lower	Upper
252	100		
253	32.6	18.0	27.0#
125	16.0	11.2	16.8

