

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020317\
 Data File : BF092792.D
 Acq On : 3 Feb 2017 23:00
 Operator : SJ/MA
 Sample : I1687-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B25-B30-001

Quant Time: Feb 03 23:41:00 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

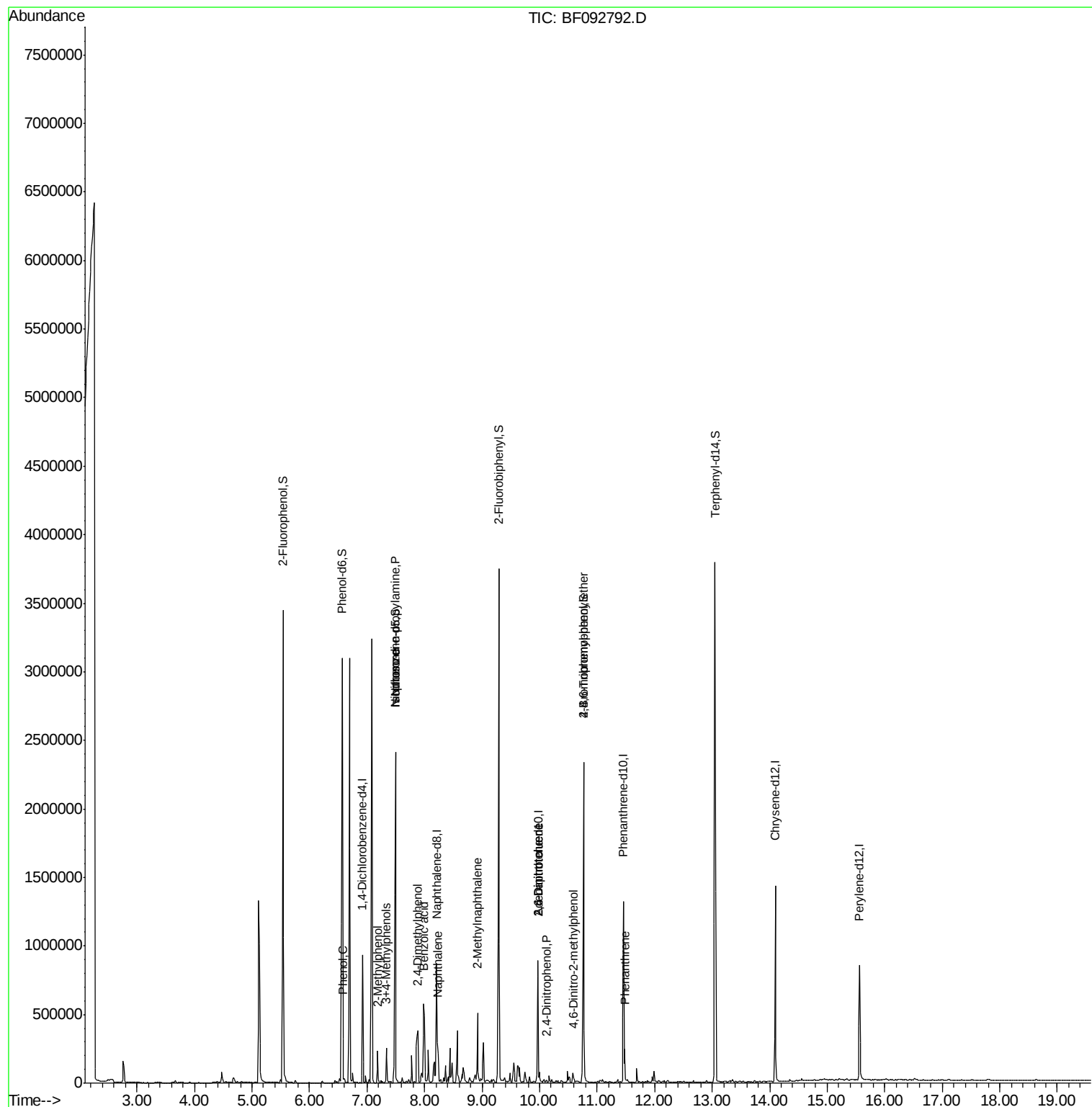
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	130110	20.00	ng	-0.05
21) Naphthalene-d8	8.21	136	531451	20.00	ng	-0.05
38) Acenaphthene-d10	9.97	164	289443	20.00	ng	-0.03
63) Phenanthrene-d10	11.46	188	523586	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	495850	20.00	ng	-0.05
86) Perylene-d12	15.56	264	391366	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1058328	139.55	ng	-0.03
7) Phenol-d6	6.57	99	1098066	112.53	ng	-0.03
23) Nitrobenzene-d5	7.49	82	914259	95.80	ng	-0.05
41) 2,4,6-Tribromophenol	10.76	330	291191	139.10	ng	-0.05
44) 2-Fluorobiphenyl	9.29	172	1413889	88.50	ng	-0.05
78) Terphenyl-d14	13.05	244	1470276	69.67	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.58	94	24426	2.14	ng	# 78
17) 2-Methylphenol	7.18	107	45653	6.36	ng	# 92
19) n-Nitroso-di-n-propylamine	7.49	70	121410	19.55	ng	# 78
20) 3+4-Methylphenols	7.33	107	79435	9.26	ng	# 72
25) Isophorone	7.49	82	886153	49.83	ng	# 65
27) 2,4-Dimethylphenol	7.88	122	134586	16.45	ng	89
31) Naphthalene	8.22	128	156405	5.81	ng	100
32) Benzoic acid	8.00	122	177236	39.69	ng	# 11
37) 2-Methylnaphthalene	8.92	142	138171	7.99	ng	97
50) 2,6-Dinitrotoluene	9.97	165	37082	8.81	ng	# 30
53) 2,4-Dinitrophenol	10.12	184	1071	5.20	ng	# 84
56) 2,4-Dinitrotoluene	9.97	165	37482	6.69	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.58	198	4490	4.00	ng	# 62
66) 4-Bromophenyl-phenylether	10.76	248	21216	3.88	ng	# 1
70) Phenanthrene	11.48	178	93434	3.11	ng	96

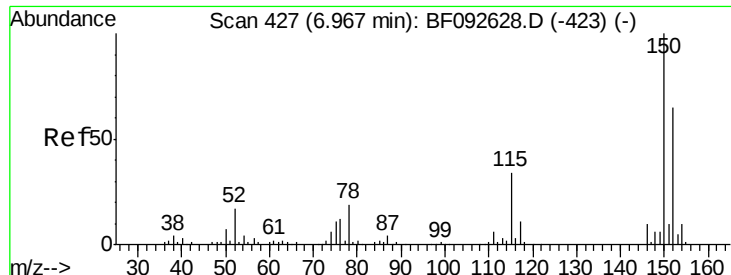
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.05 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

Instrument :

BNA_F

ClientSampleId :

WC-B25-B30-001

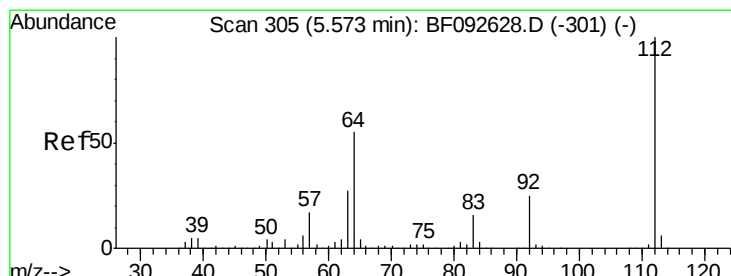
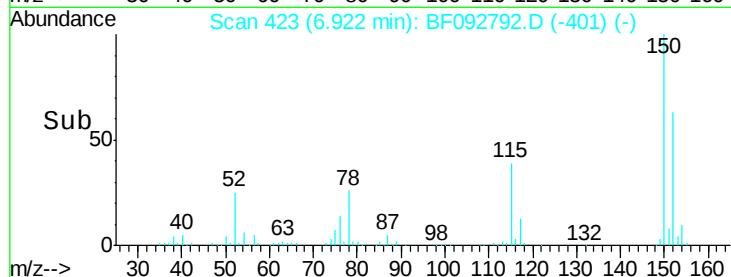
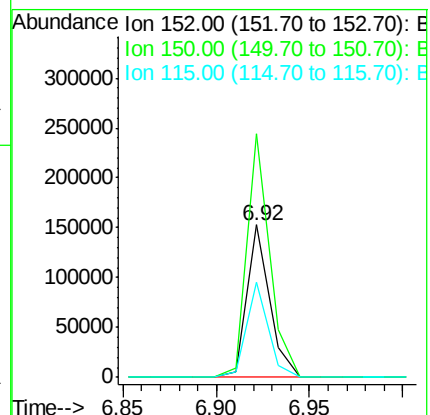
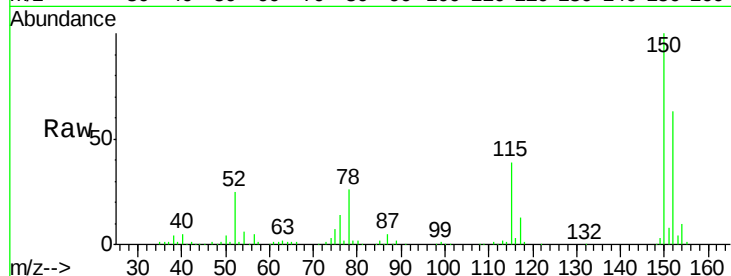
Tgt Ion:152 Resp: 130110

Ion Ratio Lower Upper

152 100

150 159.4 124.9 187.3

115 62.4 46.0 69.0



#5

2-Fluorophenol

Concen: 139.55 ng

RT: 5.54 min Scan# 302

Delta R.T. -0.03 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

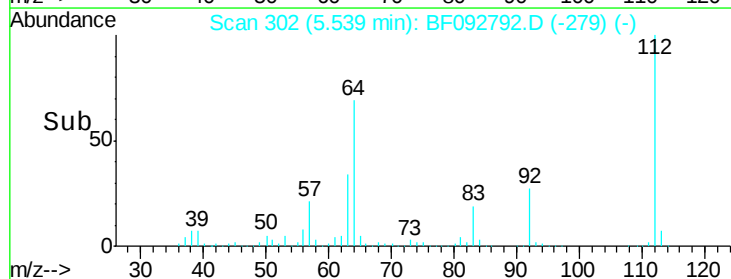
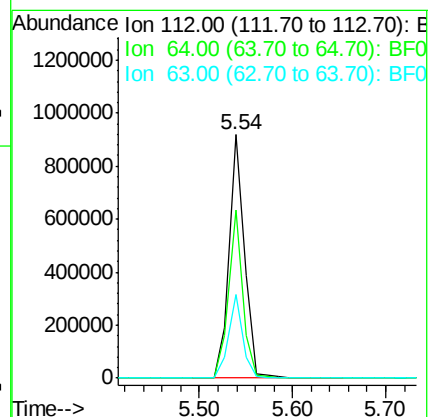
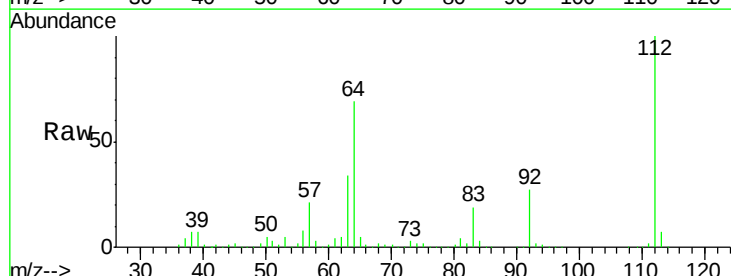
Tgt Ion:112 Resp: 1058328

Ion Ratio Lower Upper

112 100

64 68.8 46.1 69.1

63 34.5 23.8 35.6





#7

Phenol-d6

Concen: 112.53 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

Instrument :

BNA_F

ClientSampleId :

WC-B25-B30-001

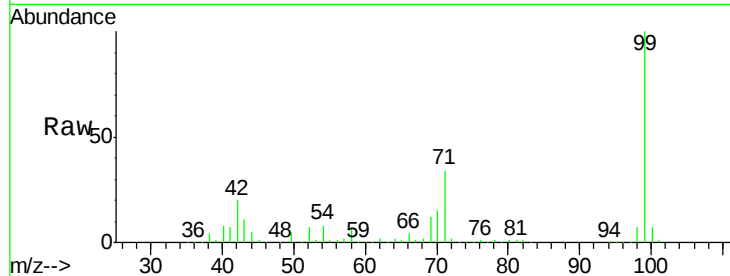
Tgt Ion: 99 Resp: 1098066

Ion Ratio Lower Upper

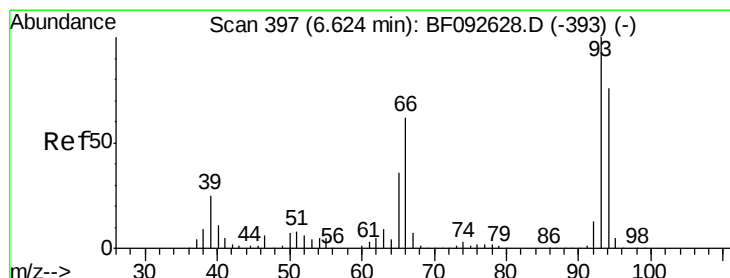
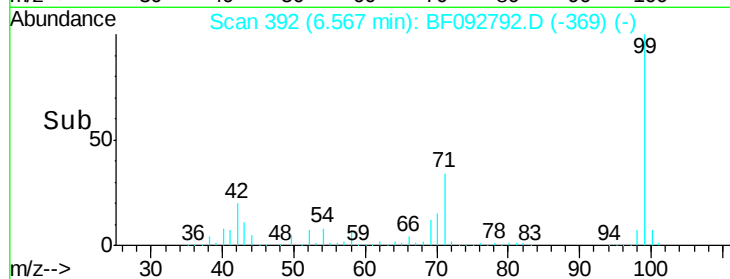
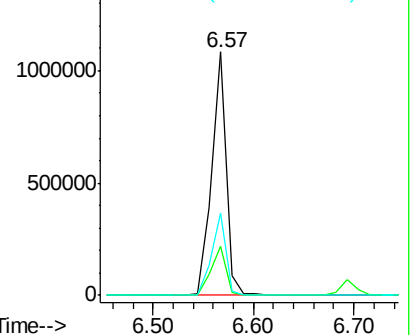
99 100

42 20.1 15.6 23.4

71 33.6 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



#10

Phenol

Concen: 2.14 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.05 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

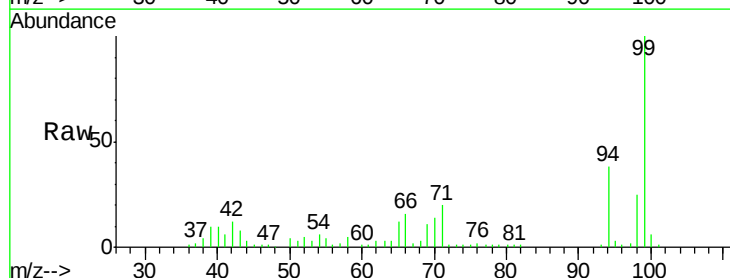
Tgt Ion: 94 Resp: 24426

Ion Ratio Lower Upper

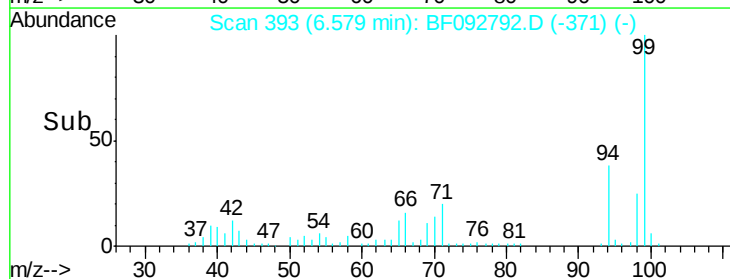
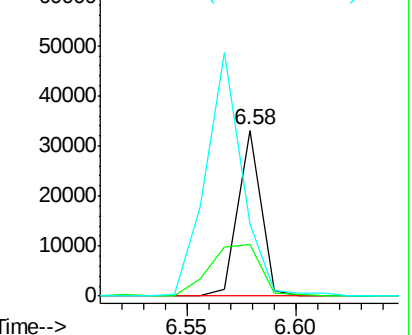
94 100

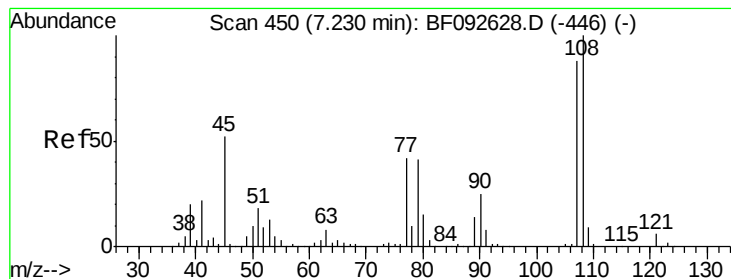
65 30.8 21.4 61.4

66 43.6 44.0 84.0#



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





#17

2-Methylphenol

Concen: 6.36 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.05 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

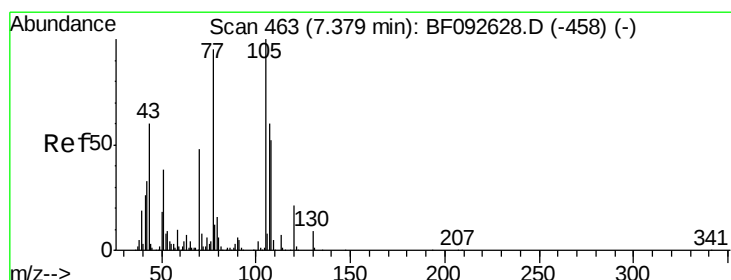
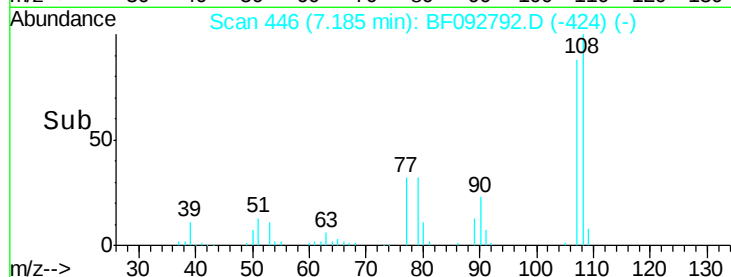
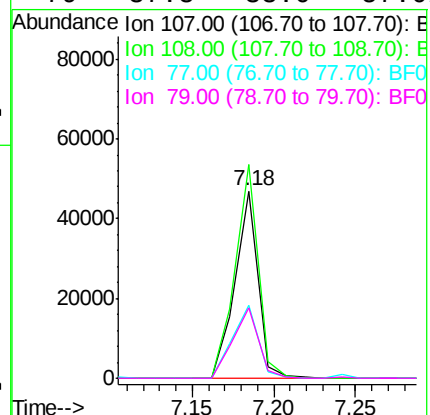
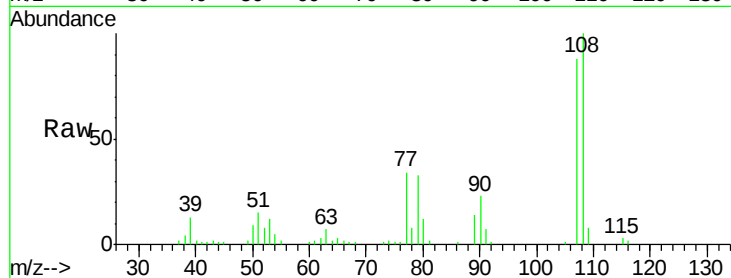
Instrument :

BNA_F

ClientSampleId :

WC-B25-B30-001

Tgt Ion:	107	Resp:	45653
Ion	Ratio	Lower	Upper
107	100		
108	114.2	93.0	139.6
77	39.0	39.8	59.8#
79	37.8	38.0	57.0#



#19

n-Nitroso-di-n-propylamine

Concen: 19.55 ng

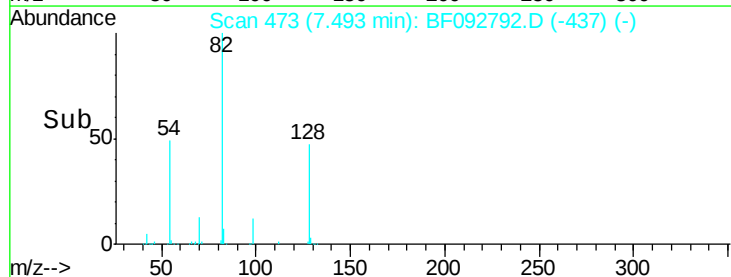
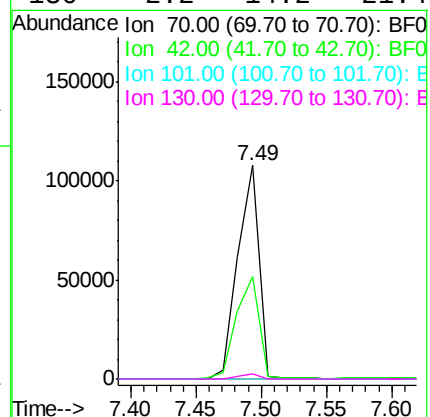
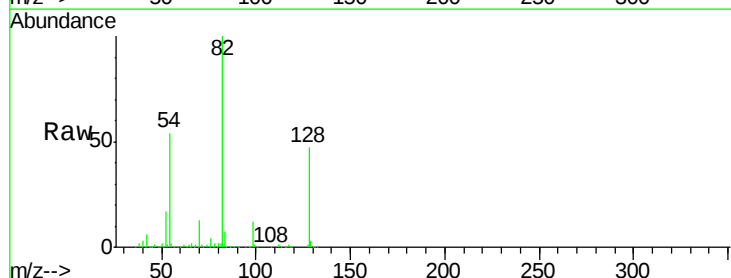
RT: 7.49 min Scan# 473

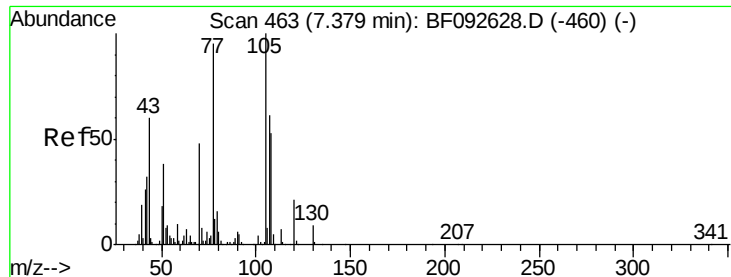
Delta R.T. 0.11 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

Tgt Ion:	70	Resp:	121410
Ion	Ratio	Lower	Upper
70	100		
42	47.9	49.4	74.0#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#

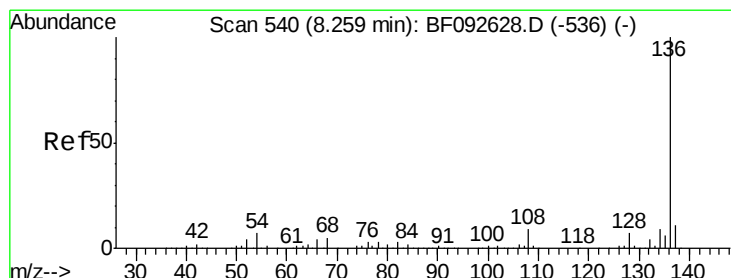
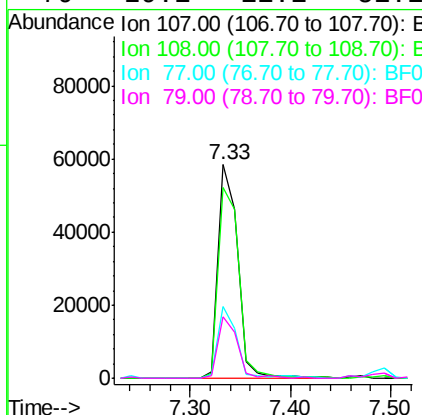
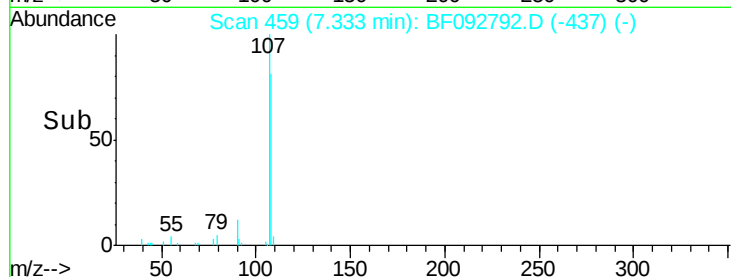
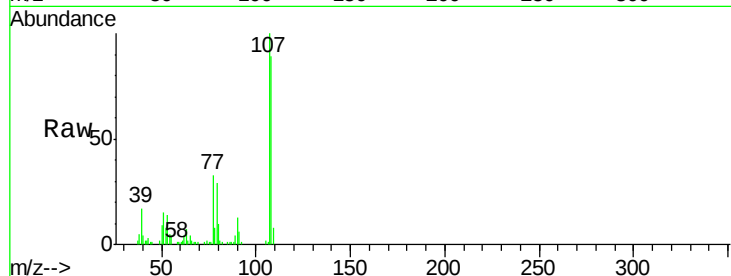




#20
3+4-Methylphenols
Concen: 9.26 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.05 min
Lab File: BF092792.D
Acq: 3 Feb 2017 23:00

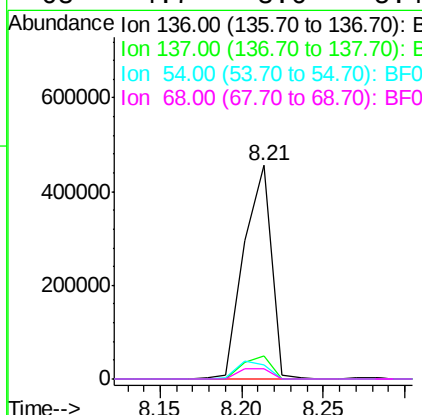
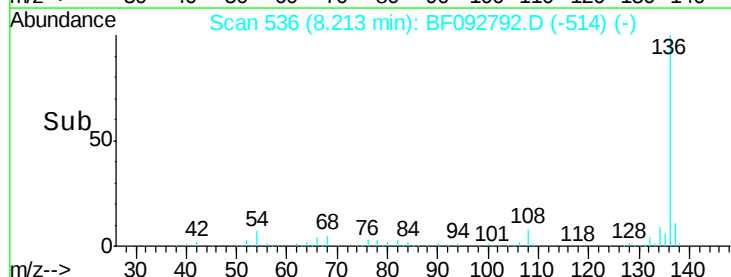
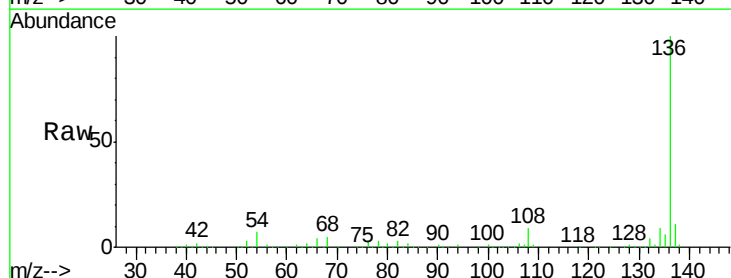
Instrument :
BNA_F
ClientSampleId :
WC-B25-B30-001

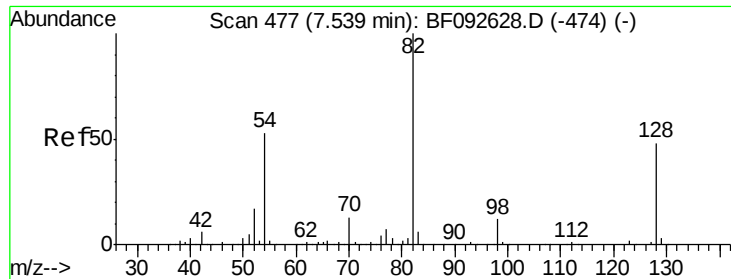
Tgt Ion:	107	Resp:	79435
Ion	Ratio	Lower	Upper
107	100		
108	89.3	73.0	113.0
77	33.3	71.3	111.3#
79	29.1	11.1	51.1



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.05 min
Lab File: BF092792.D
Acq: 3 Feb 2017 23:00

Tgt Ion:	136	Resp:	531451
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	6.9	4.5	6.7#
68	4.7	3.6	5.4

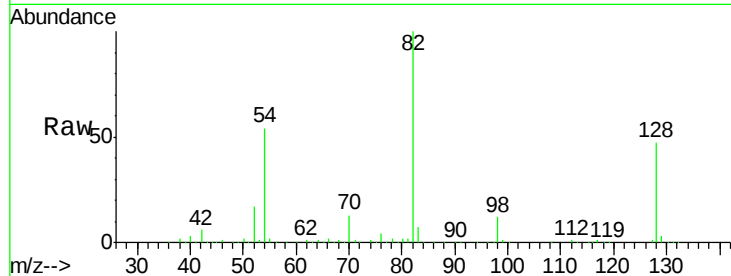




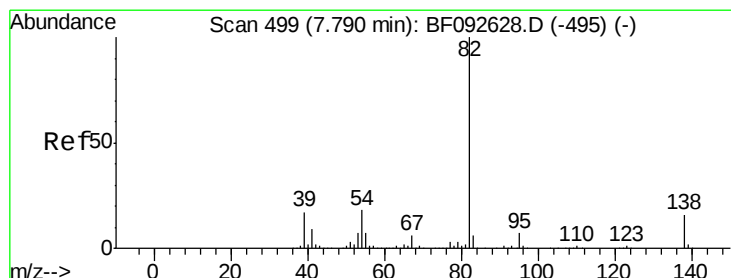
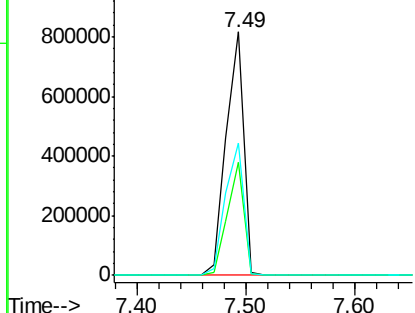
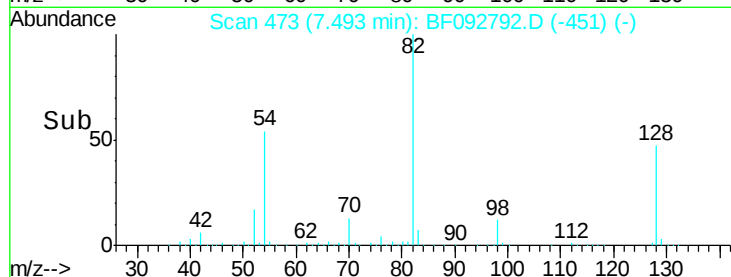
#23
 Nitrobenzene-d5
 Concen: 95.80 ng
 RT: 7.49 min Scan# 473
 Delta R.T. -0.05 min
 Lab File: BF092792.D
 Acq: 3 Feb 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-B25-B30-001

Tgt Ion: 82 Resp: 914259
 Ion Ratio Lower Upper
 82 100
 128 46.6 34.6 52.0
 54 54.1 39.5 59.3

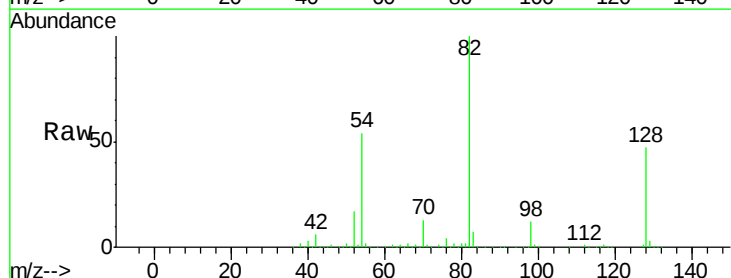


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

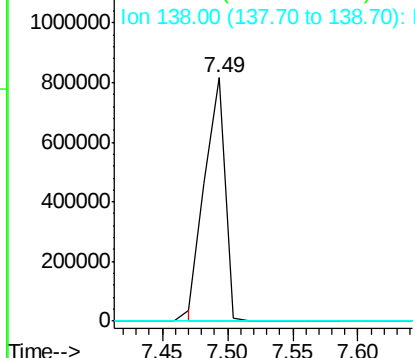
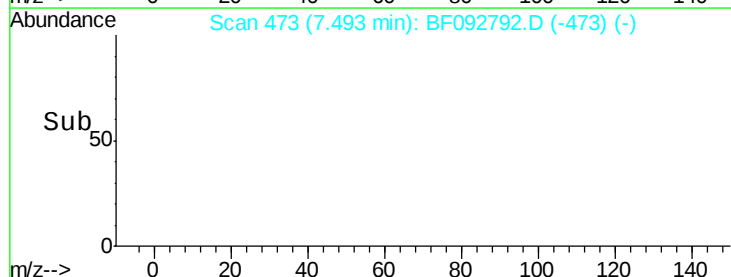


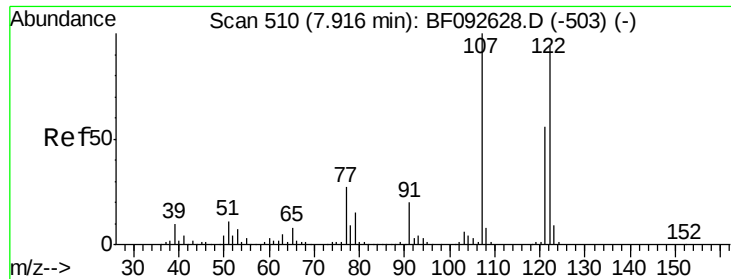
#25
 Isophorone
 Concen: 49.83 ng
 RT: 7.49 min Scan# 473
 Delta R.T. -0.30 min
 Lab File: BF092792.D
 Acq: 3 Feb 2017 23:00

Tgt Ion: 82 Resp: 886153
 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

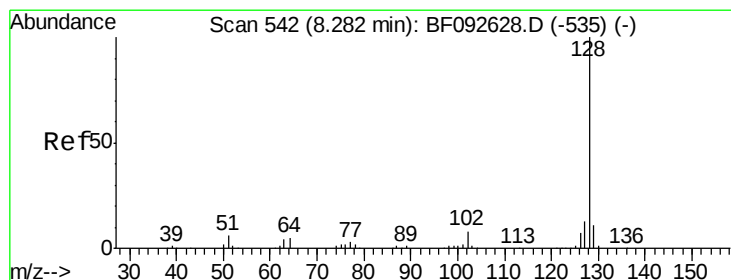
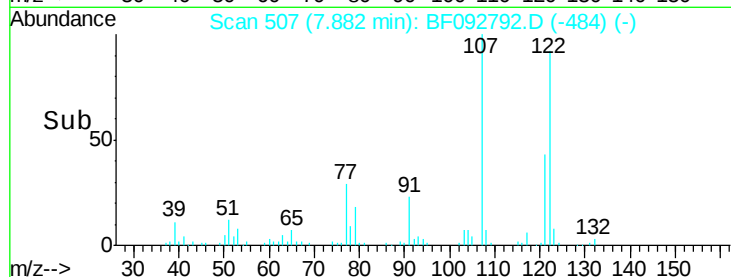
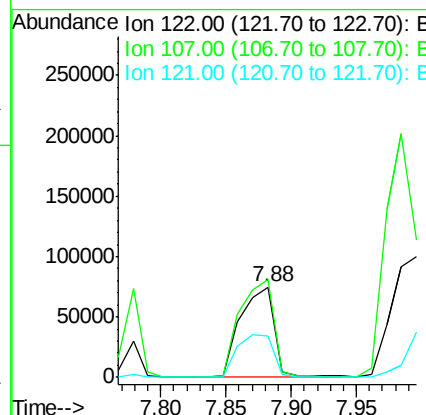
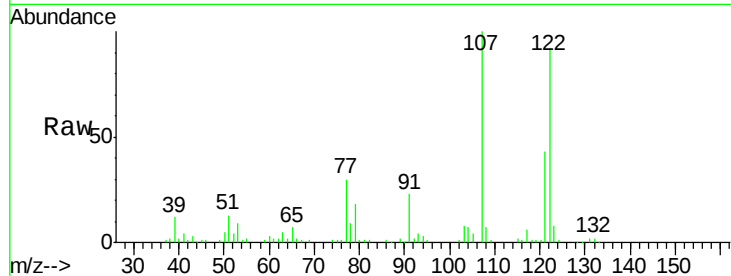




#27
2,4-Dimethylphenol
Concen: 16.45 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF092792.D
Acq: 3 Feb 2017 23:00

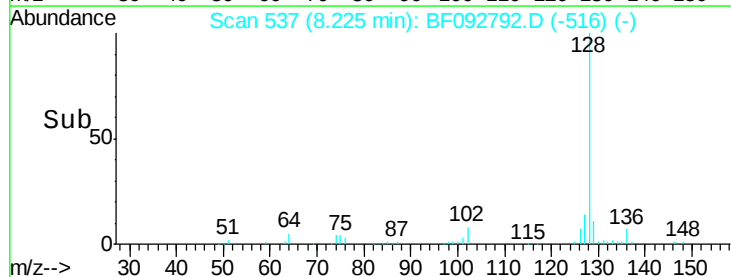
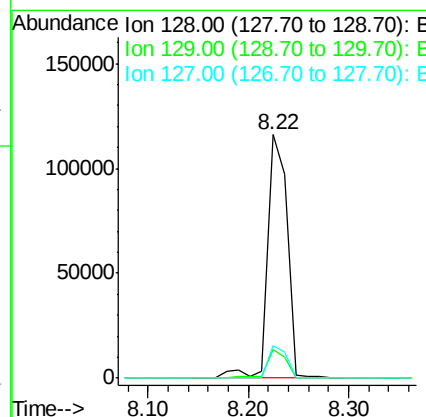
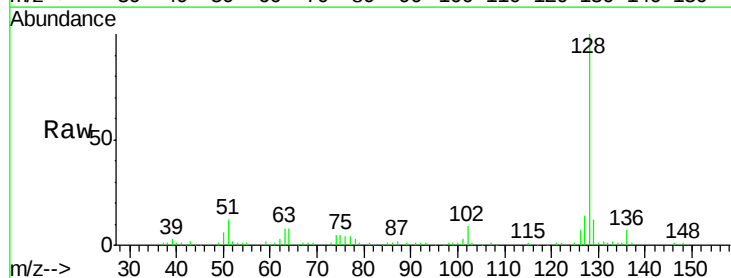
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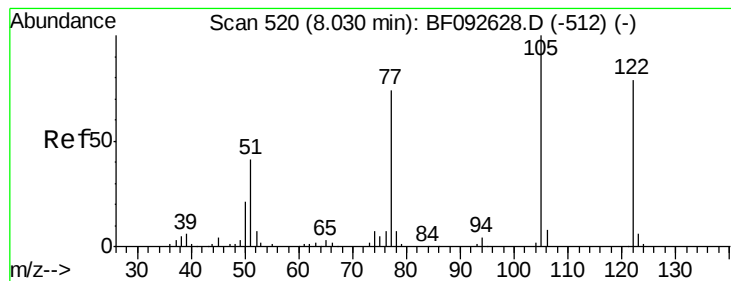
Tgt Ion:122 Resp: 134586
Ion Ratio Lower Upper
122 100
107 108.2 94.1 141.1
121 46.1 46.0 69.0



#31
Naphthalene
Concen: 5.81 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.06 min
Lab File: BF092792.D
Acq: 3 Feb 2017 23:00

Tgt Ion:128 Resp: 156405
Ion Ratio Lower Upper
128 100
129 11.7 9.5 14.3
127 13.5 10.8 16.2





#32

Benzoic acid

Concen: 39.69 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.03 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

Instrument :

BNA_F

ClientSampleId :

WC-B25-B30-001

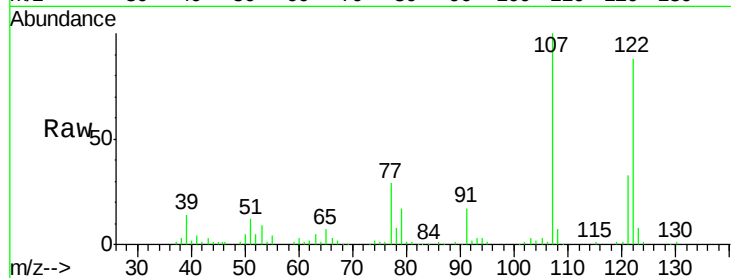
Tgt Ion:122 Resp: 177236

Ion Ratio Lower Upper

122 100

105 3.3 107.2 147.2#

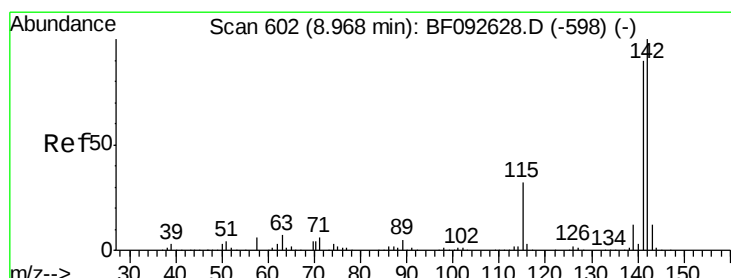
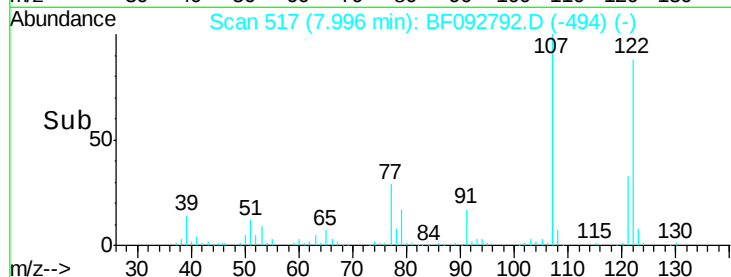
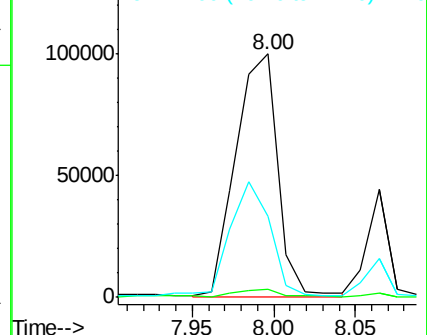
77 33.2 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#37

2-Methylnaphthalene

Concen: 7.99 ng

RT: 8.92 min Scan# 598

Delta R.T. -0.05 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

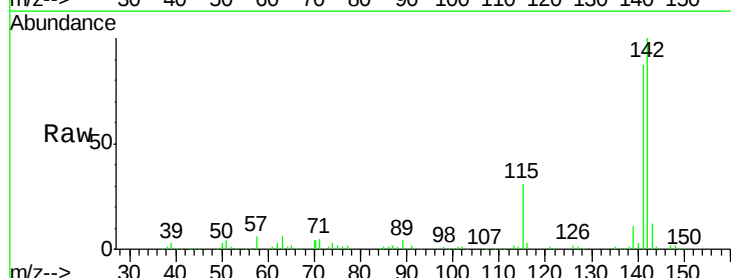
Tgt Ion:142 Resp: 138171

Ion Ratio Lower Upper

142 100

141 87.5 71.0 106.6

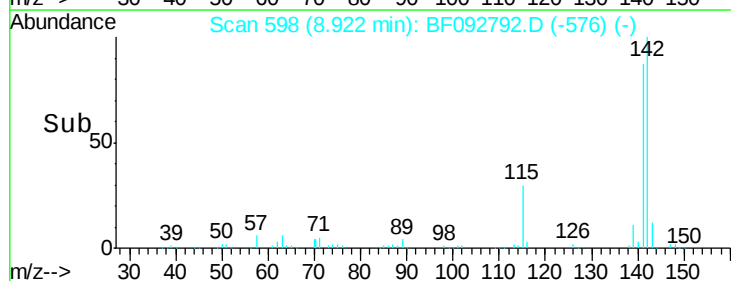
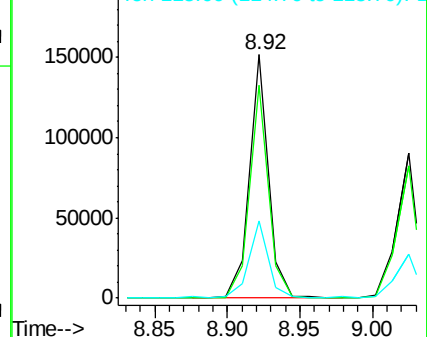
115 31.5 28.3 42.5

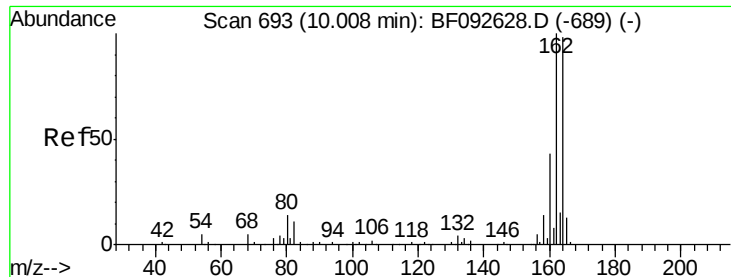


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

Instrument :

BNA_F

ClientSampleId :

WC-B25-B30-001

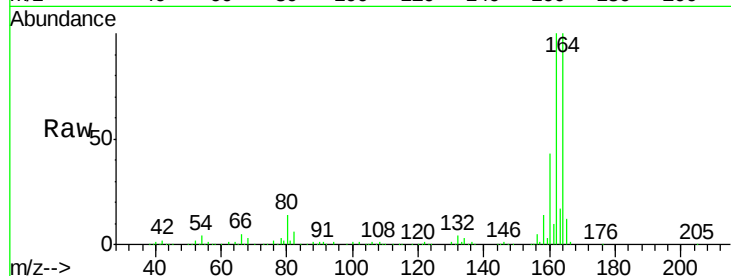
Tgt Ion:164 Resp: 289443

Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.2

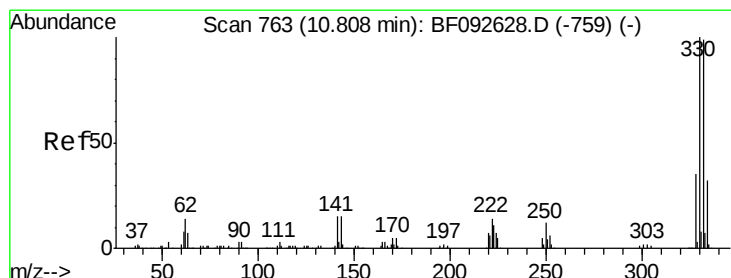
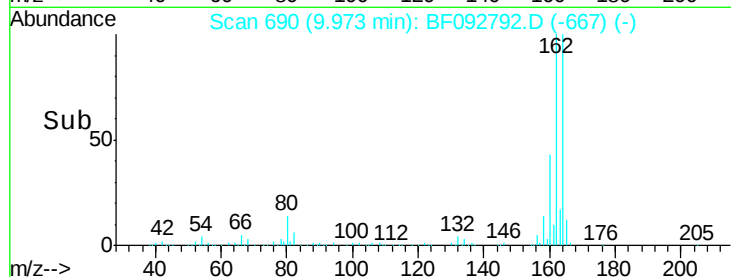
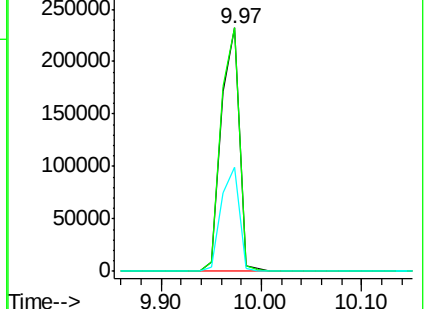
160 42.6 36.9 55.3



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: 139.10 ng

RT: 10.76 min Scan# 759

Delta R.T. -0.05 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

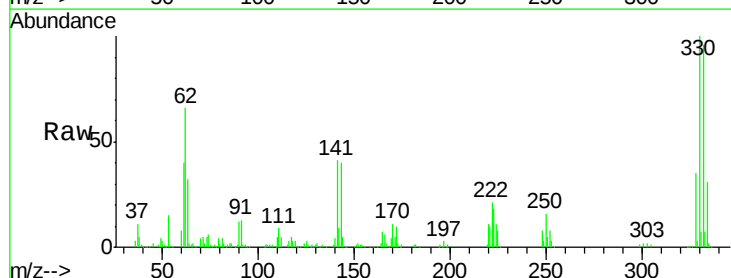
Tgt Ion:330 Resp: 291191

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

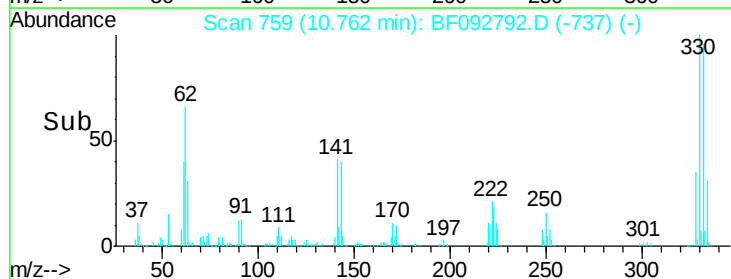
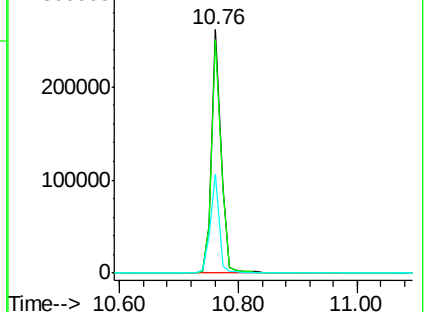
141 38.5 34.1 51.1

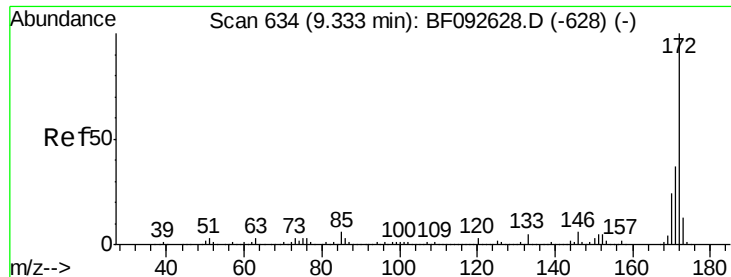


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

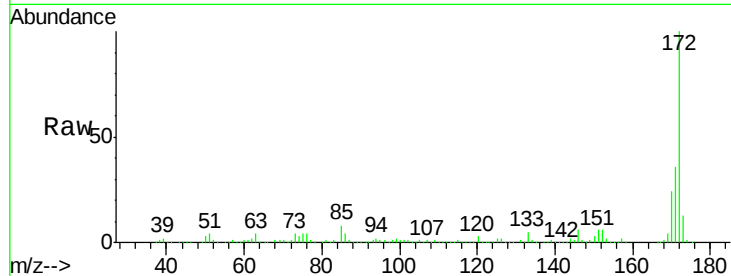




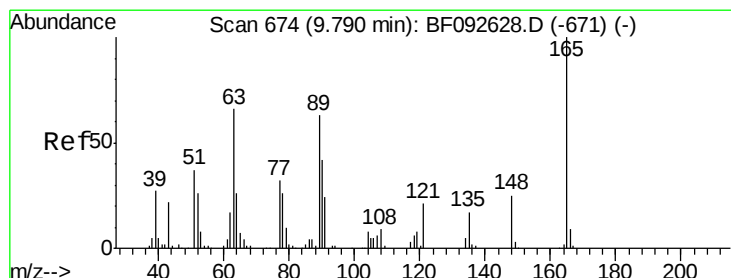
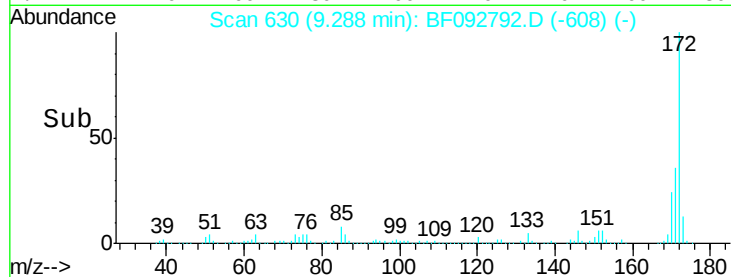
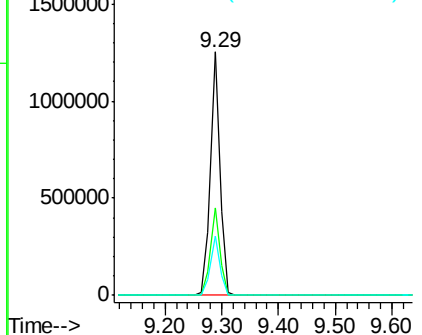
#44
 2-Fluorobiphenyl
 Concen: 88.50 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.05 min
 Lab File: BF092792.D
 Acq: 3 Feb 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-B25-B30-001

Tgt Ion:172 Resp: 1413889
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.3 20.2 30.4

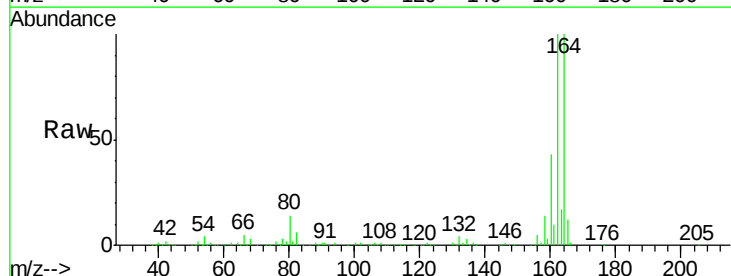


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

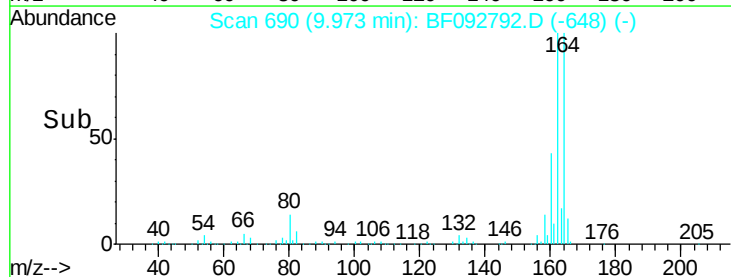
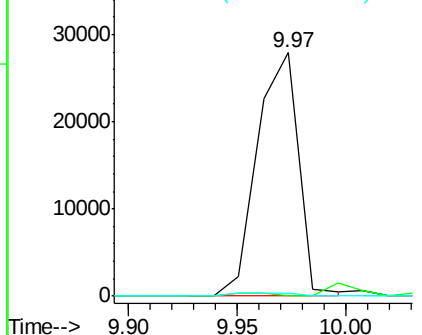


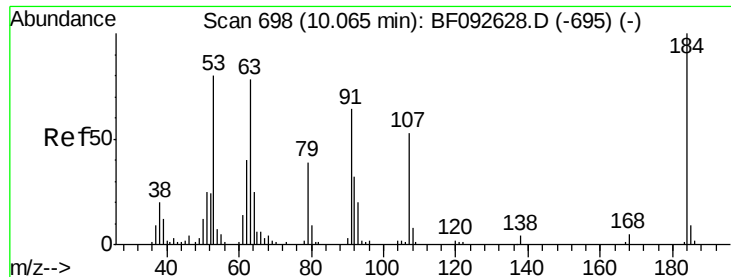
#50
 2,6-Dinitrotoluene
 Concen: 8.81 ng
 RT: 9.97 min Scan# 690
 Delta R.T. 0.18 min
 Lab File: BF092792.D
 Acq: 3 Feb 2017 23:00

Tgt Ion:165 Resp: 37082
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.2 54.4#
 89 1.2 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

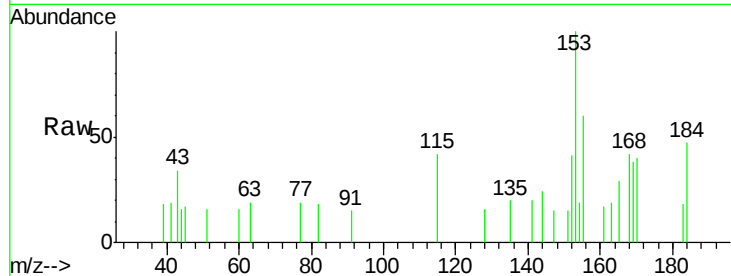




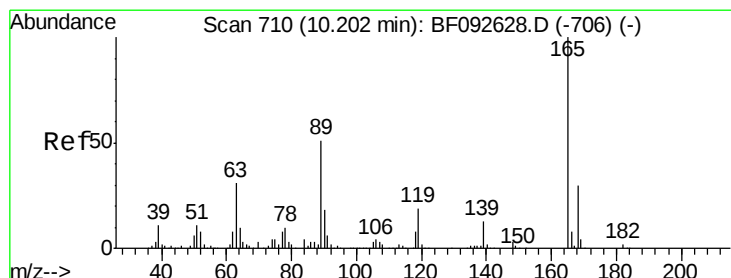
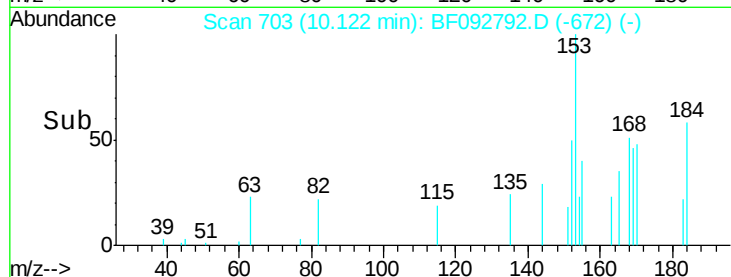
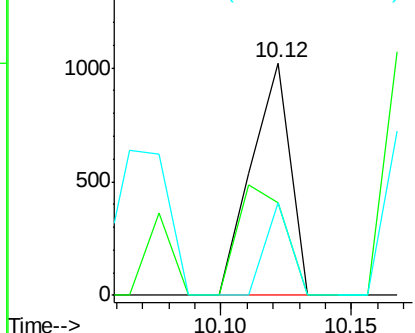
#53
2,4-Dinitrophenol
Concen: 5.20 ng
RT: 10.12 min Scan# 703
Delta R.T. 0.06 min
Lab File: BF092792.D
Acq: 3 Feb 2017 23:00

Instrument :
BNA_F
ClientSampleId :
WC-B25-B30-001

Tgt Ion:184 Resp: 1071
Ion Ratio Lower Upper
184 100
63 40.0 28.4 42.6
154 39.7 44.3 66.5#

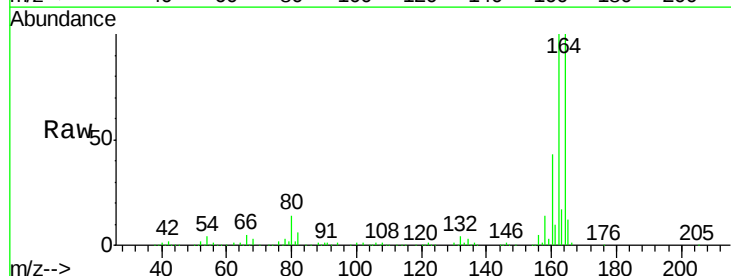


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

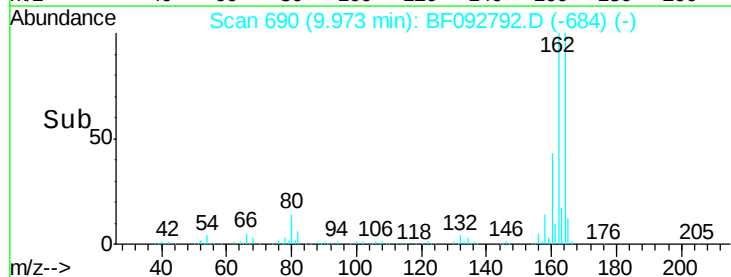
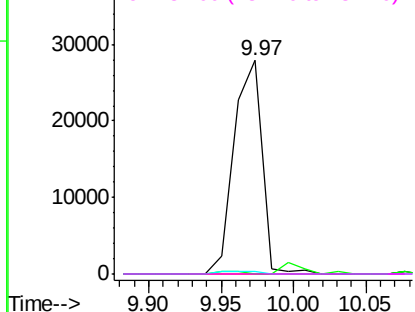


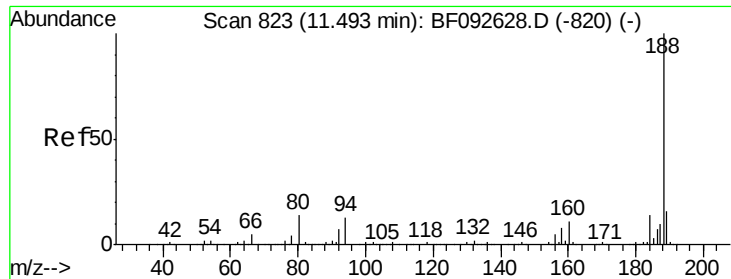
#56
2,4-Dinitrotoluene
Concen: 6.69 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.23 min
Lab File: BF092792.D
Acq: 3 Feb 2017 23:00

Tgt Ion:165 Resp: 37482
Ion Ratio Lower Upper
165 100
63 0.0 40.2 60.4#
89 1.2 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

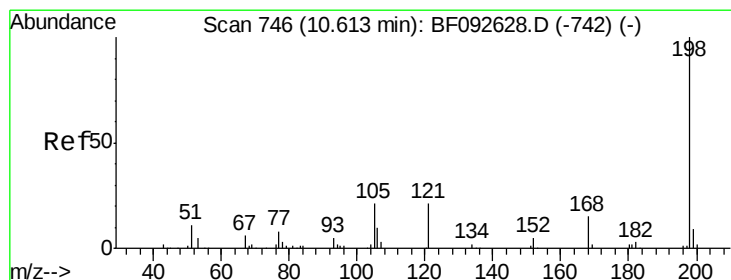
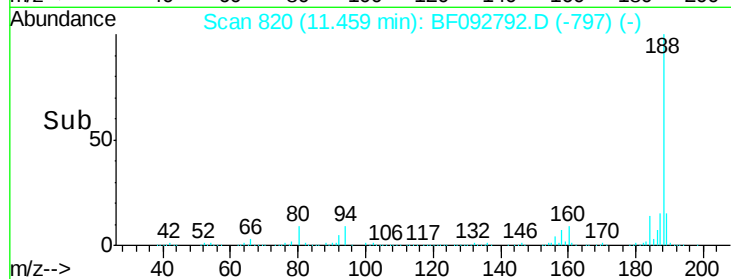
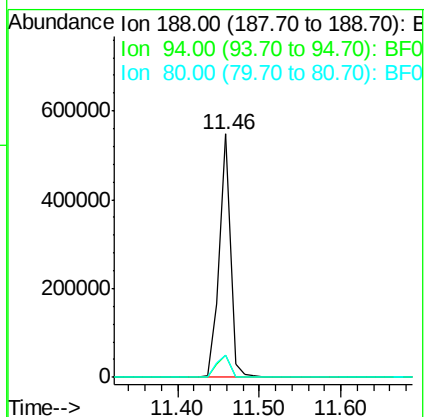
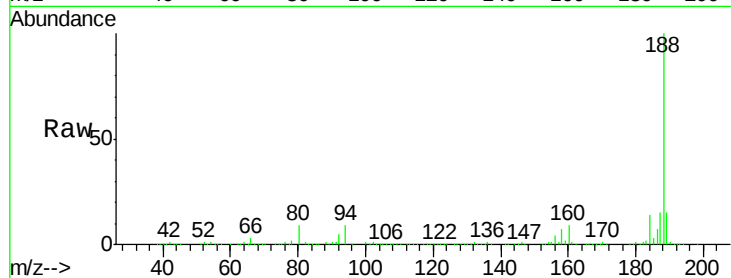




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.03 min
Lab File: BF092792.D
Acq: 3 Feb 2017 23:00

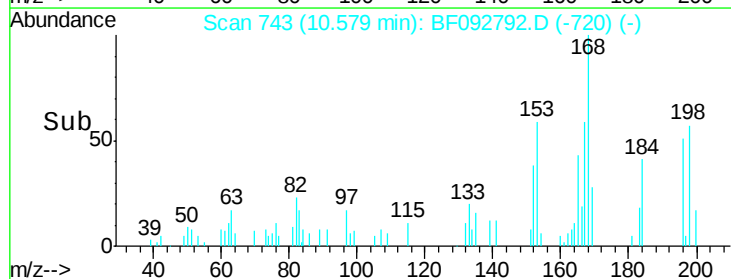
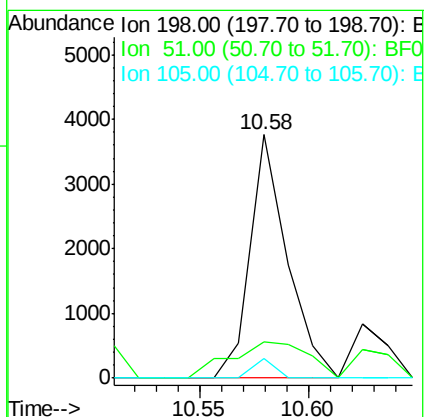
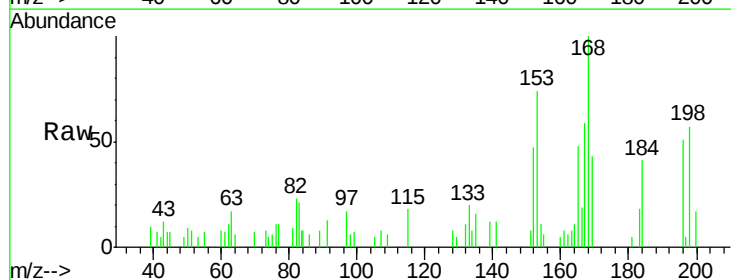
Instrument :
BNA_F
ClientSampleId :
WC-B25-B30-001

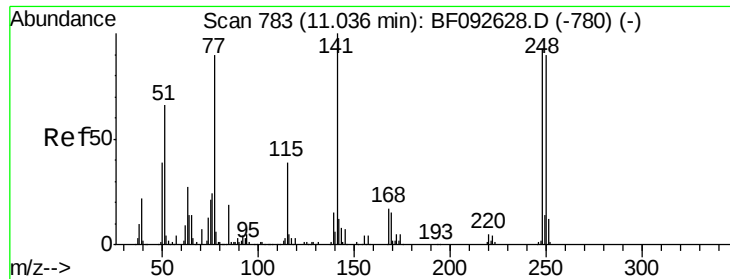
Tgt Ion:188 Resp: 523586
Ion Ratio Lower Upper
188 100
94 9.1 10.0 15.0#
80 8.9 11.2 16.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 4.00 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.03 min
Lab File: BF092792.D
Acq: 3 Feb 2017 23:00

Tgt Ion:198 Resp: 4490
Ion Ratio Lower Upper
198 100
51 14.9 6.7 46.7
105 8.0 16.6 56.6#

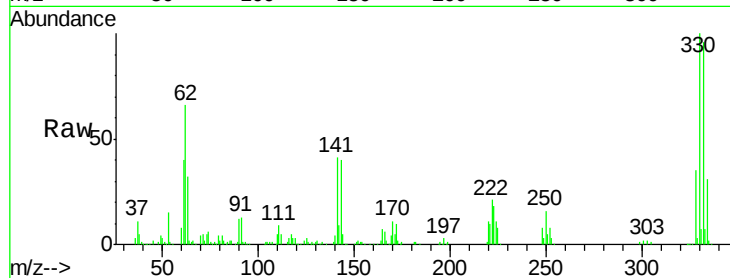




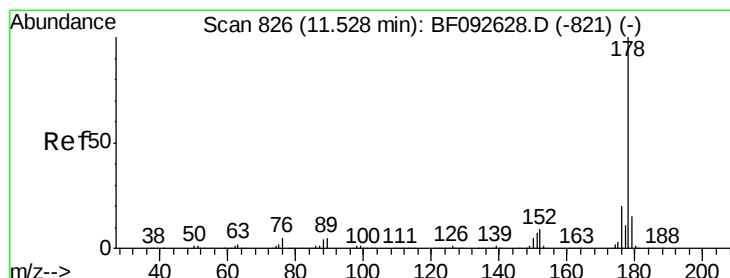
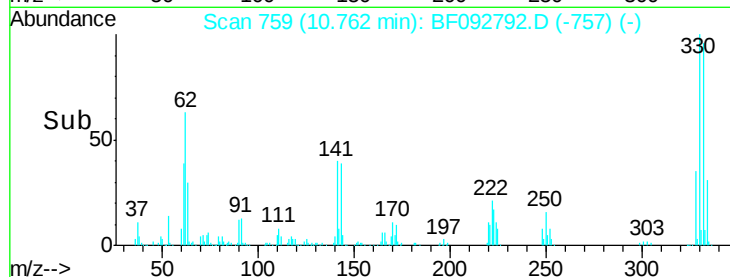
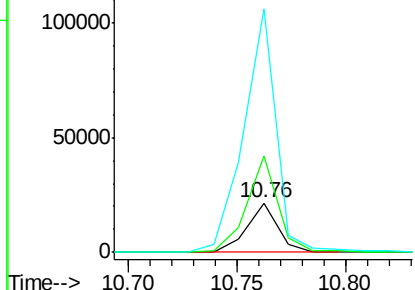
#66
4-Bromophenyl-phenylether
Concen: 3.88 ng
RT: 10.76 min Scan# 759
Delta R.T. -0.27 min
Lab File: BF092792.D
Acq: 3 Feb 2017 23:00

Instrument :
BNA_F
ClientSampleId :
WC-B25-B30-001

Tgt Ion: 248 Resp: 21216
Ion Ratio Lower Upper
248 100
250 196.4 76.9 115.3#
141 493.4 68.2 102.4#

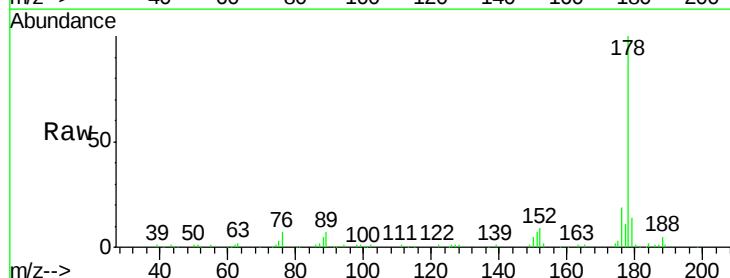


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

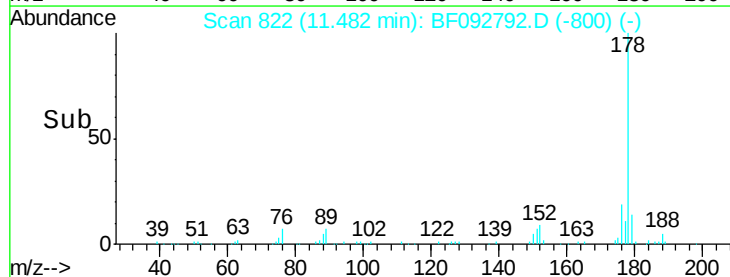
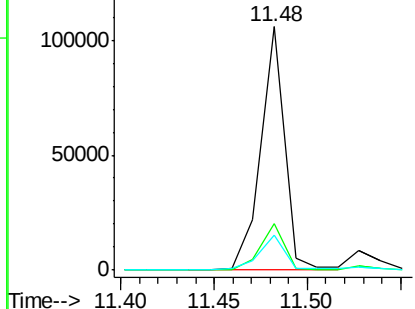


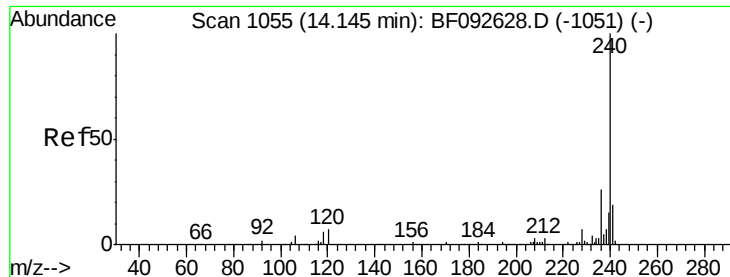
#70
Phenanthrene
Concen: 3.11 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.05 min
Lab File: BF092792.D
Acq: 3 Feb 2017 23:00

Tgt Ion: 178 Resp: 93434
Ion Ratio Lower Upper
178 100
176 19.0 16.6 25.0
179 14.4 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

Instrument :

BNA_F

ClientSampleId :

WC-B25-B30-001

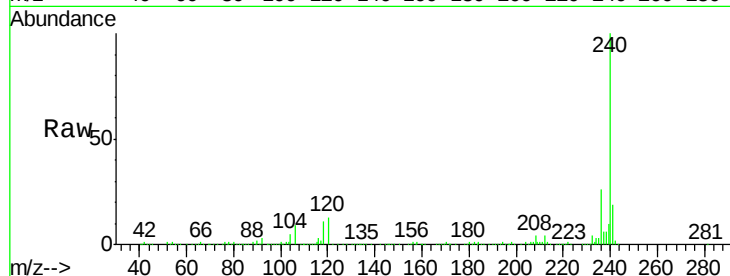
Tgt Ion:240 Resp: 495850

Ion Ratio Lower Upper

240 100

120 12.6 12.9 19.3#

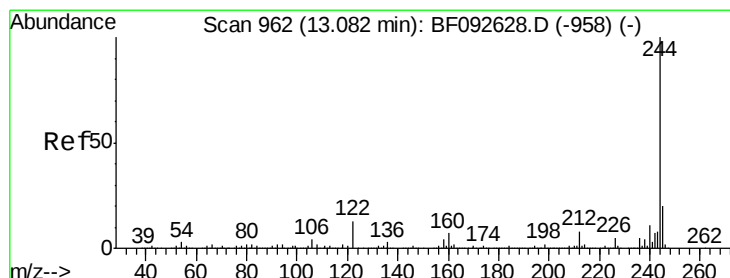
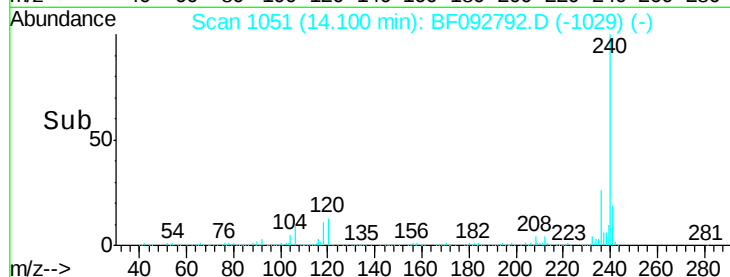
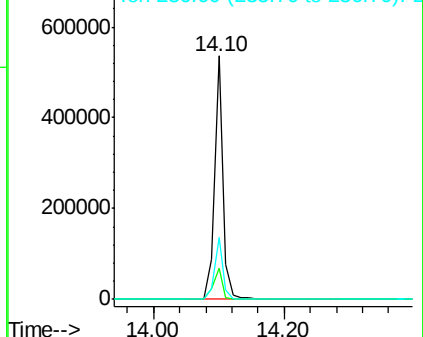
236 25.5 20.9 31.3



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: 69.67 ng

RT: 13.05 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF092792.D

Acq: 3 Feb 2017 23:00

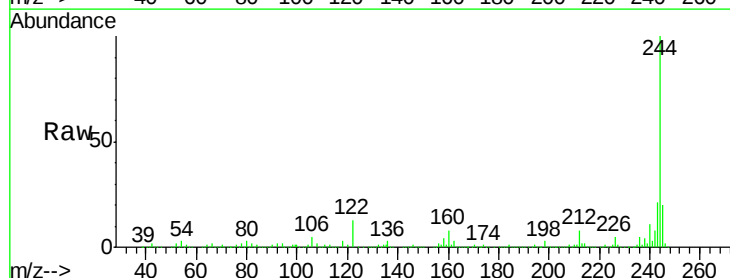
Tgt Ion:244 Resp: 1470276

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

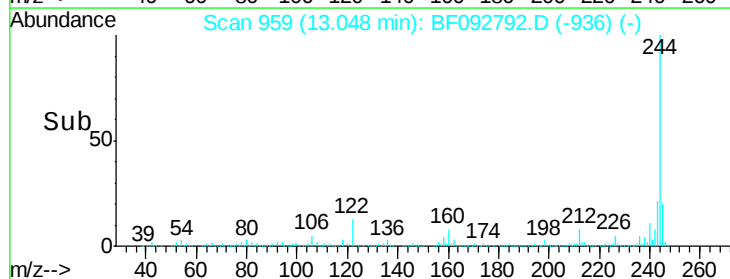
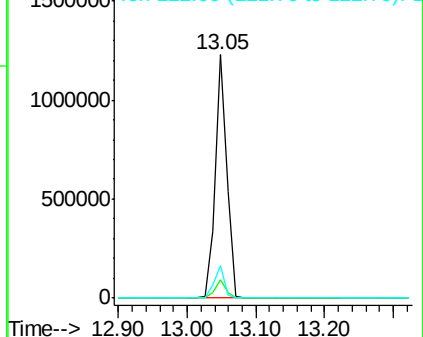
122 13.4 11.4 17.2

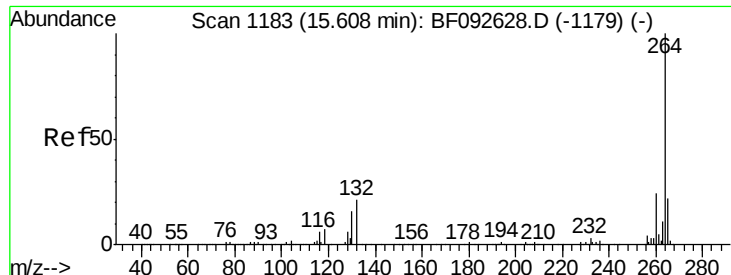


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.56 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF092792.D
Acq: 3 Feb 2017 23:00

Instrument :
BNA_F
ClientSampleId :
WC-B25-B30-001

Tgt Ion: 264 Resp: 391366
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.4 17.4 26.0

