

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011317\
 Data File : BF092257.D
 Acq On : 13 Jan 2017 22:24
 Operator : UM/SJ
 Sample : I1182-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-78-80

Quant Time: Jan 16 01:28:17 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 16 01:02:36 2017
 Response via : Initial Calibration

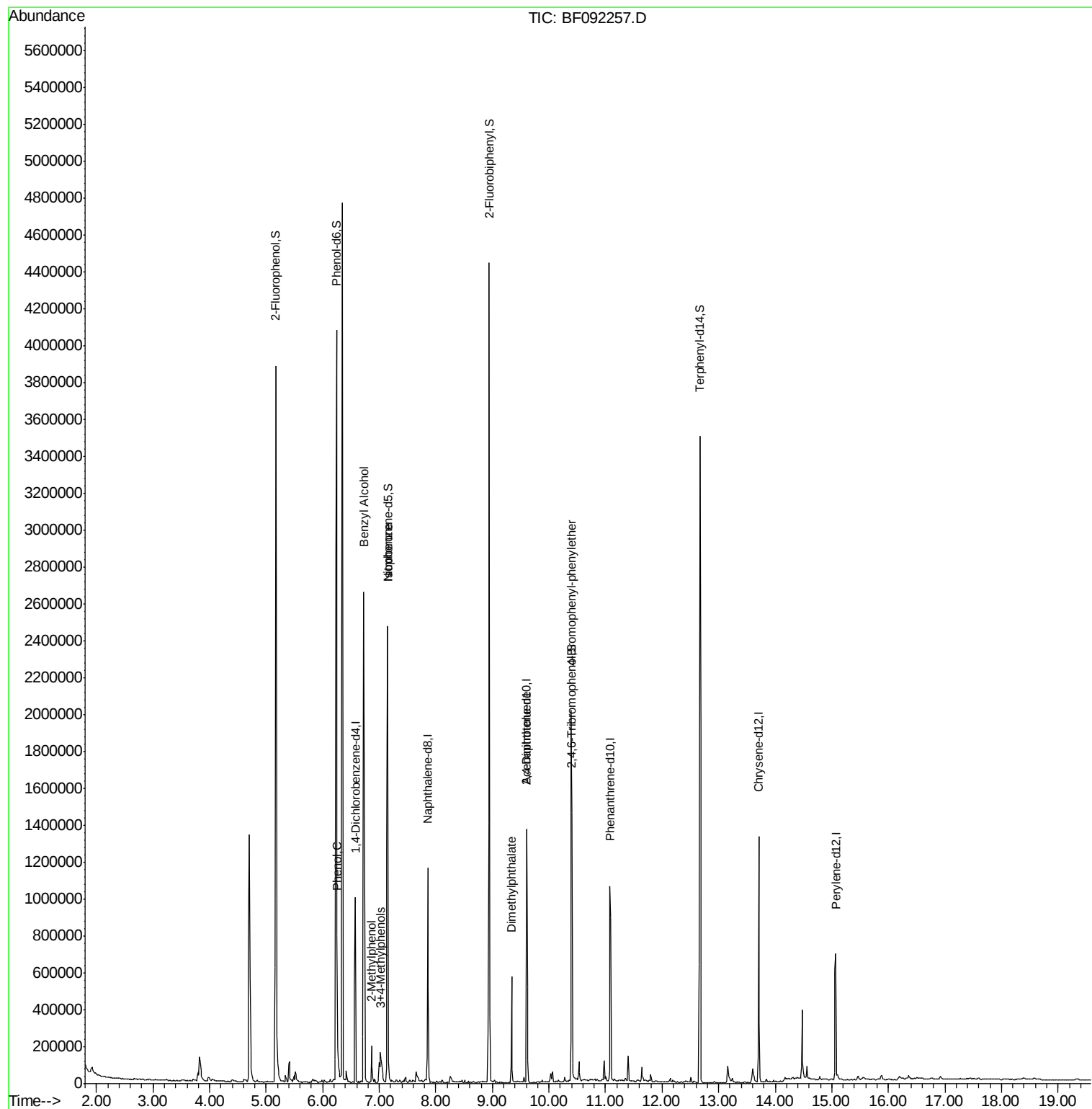
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	174946	20.00	ng	-0.01
21) Naphthalene-d8	7.86	136	629732	20.00	ng	-0.02
38) Acenaphthene-d10	9.60	164	333328	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	559406	20.00	ng	-0.02
75) Chrysene-d12	13.71	240	453464	20.00	ng	-0.02
86) Perylene-d12	15.07	264	367941	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	1172020	111.86	ng	0.00
7) Phenol-d6	6.24	99	1823164	142.52	ng	-0.01
23) Nitrobenzene-d5	7.15	82	957762	84.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	352773	127.88	ng	-0.01
44) 2-Fluorobiphenyl	8.94	172	1471936	91.46	ng	-0.01
78) Terphenyl-d14	12.67	244	1422349	76.07	ng	-0.02
Target Compounds						
10) Phenol	6.26	94	240177	16.48	ng	# 64
15) Benzyl Alcohol	6.72	79	26330	2.65	ng	# 46
17) 2-Methylphenol	6.86	107	39668	4.14	ng	96
20) 3+4-Methylphenols	7.02	107	58261	5.10	ng	# 68
25) Isophorone	7.15	82	942507	45.11	ng	# 65
37) 2-Methylnaphthalene	8.58	142	3337	Below Cal		87
49) Dimethylphthalate	9.34	163	230424	10.81	ng	99
56) 2,4-Dinitrotoluene	9.60	165	41787	7.13	ng	# 20
66) 4-Bromophenyl-phenylether	10.39	248	21338	3.67	ng	# 1
71) Anthracene	11.11	178	3056	Below Cal		98
73) Di-n-butylphthalate	11.66	149	4276	Below Cal	#	90
74) Fluoranthene	12.30	202	614	Below Cal		61

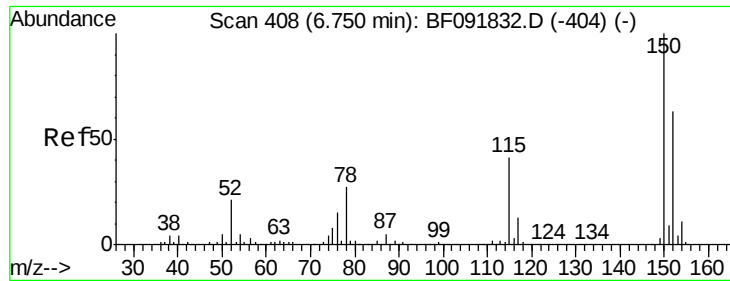
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

Instrument :

BNA_F

ClientSampleId :

TOD-SB-78-80

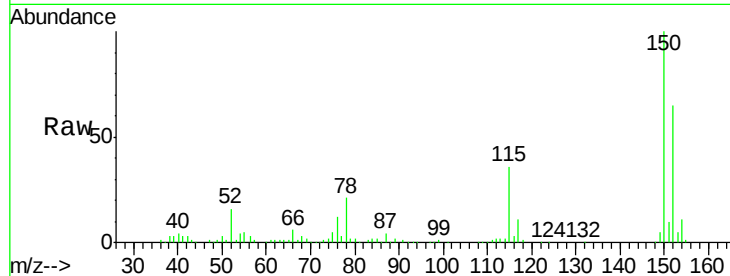
Tgt Ion:152 Resp: 174946

Ion Ratio Lower Upper

152 100

150 152.9 124.9 187.3

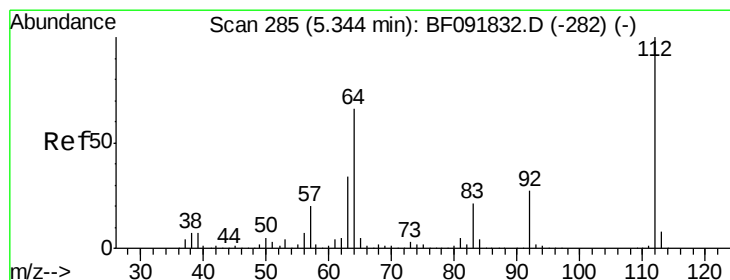
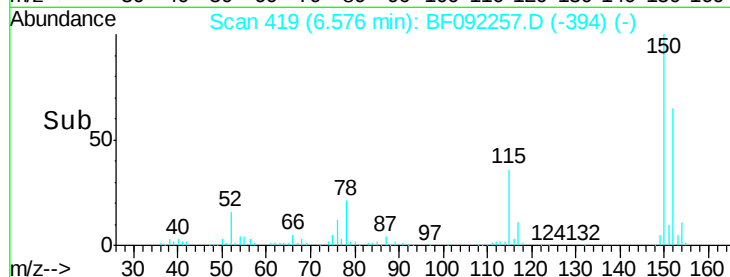
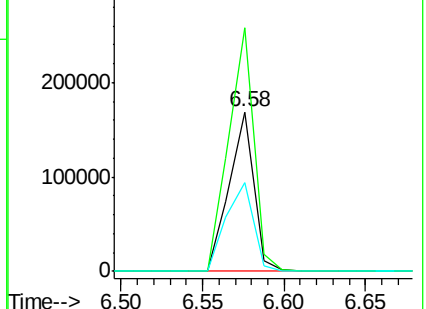
115 55.4 46.0 69.0



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: 111.86 ng

RT: 5.17 min Scan# 296

Delta R.T. 0.00 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

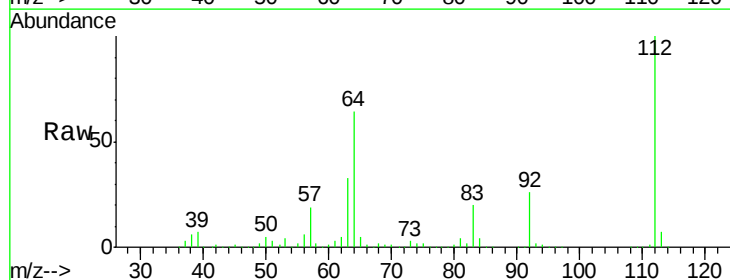
Tgt Ion:112 Resp: 1172020

Ion Ratio Lower Upper

112 100

64 63.7 46.1 69.1

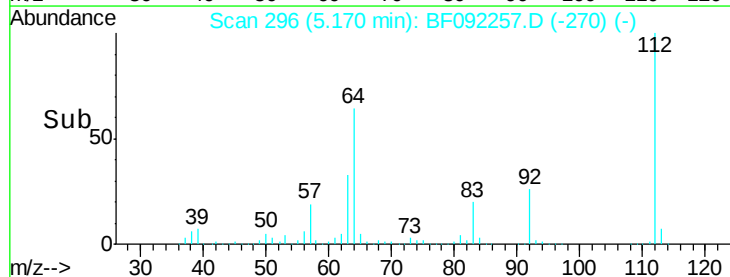
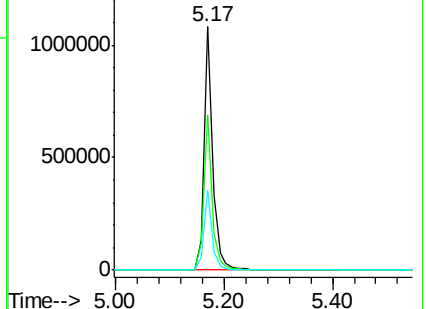
63 32.7 23.8 35.6



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: 142.52 ng

RT: 6.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

Instrument :

BNA_F

ClientSampleId :

TOD-SB-78-80

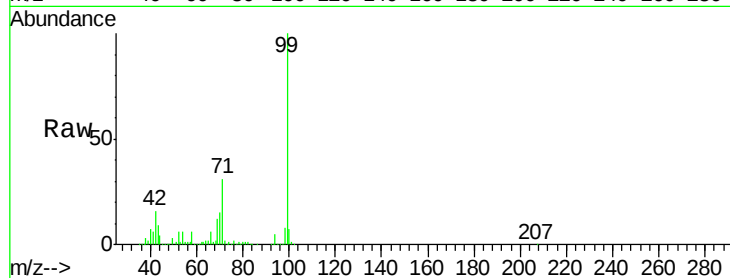
Tgt Ion: 99 Resp: 1823164

Ion Ratio Lower Upper

99 100

42 16.0 15.6 23.4

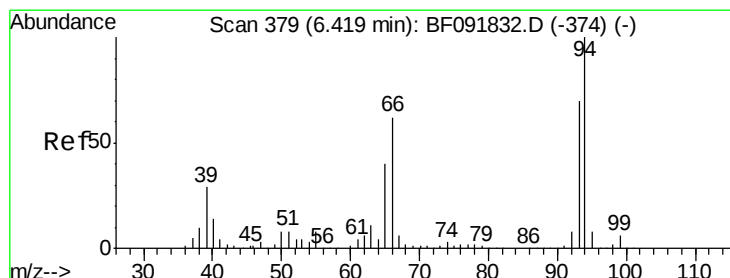
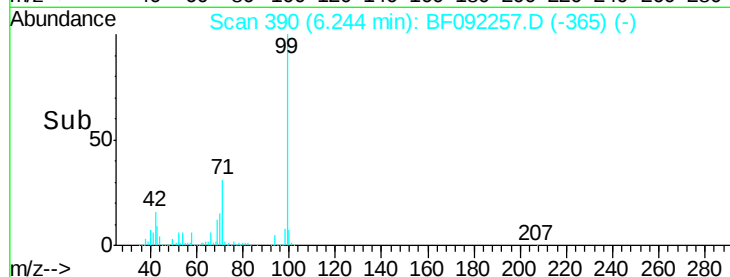
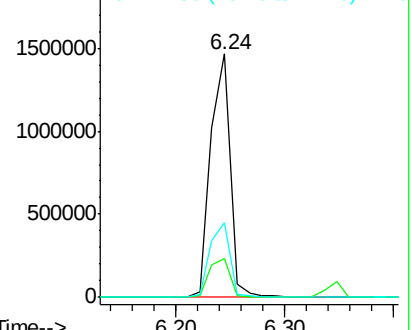
71 30.6 27.5 41.3



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



#10

Phenol

Concen: 16.48 ng

RT: 6.26 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

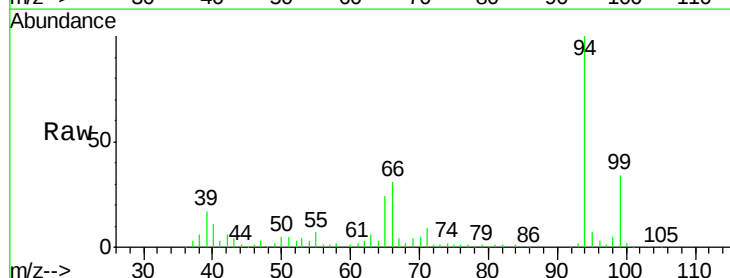
Tgt Ion: 94 Resp: 240177

Ion Ratio Lower Upper

94 100

65 24.2 21.4 61.4

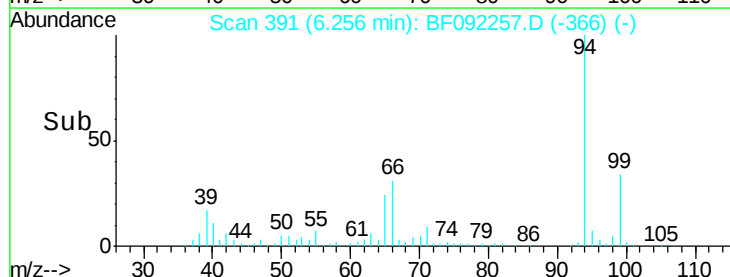
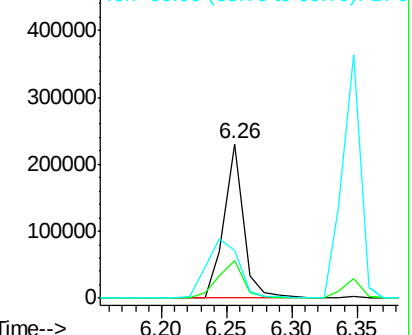
66 31.2 44.0 84.0#

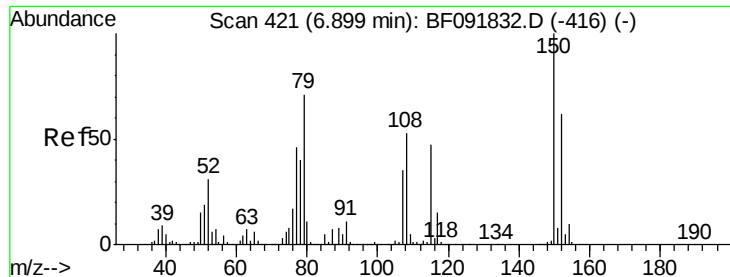


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.65 ng

RT: 6.72 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

Instrument :

BNA_F

ClientSampled :

TOD-SB-78-80

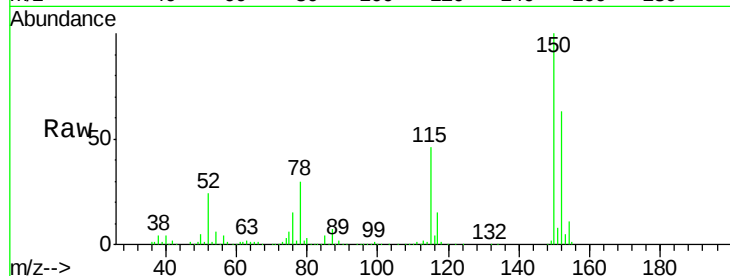
Tgt Ion: 79 Resp: 26330

Ion Ratio Lower Upper

79 100

108 20.2 61.4 92.0#

77 94.2 50.9 76.3#

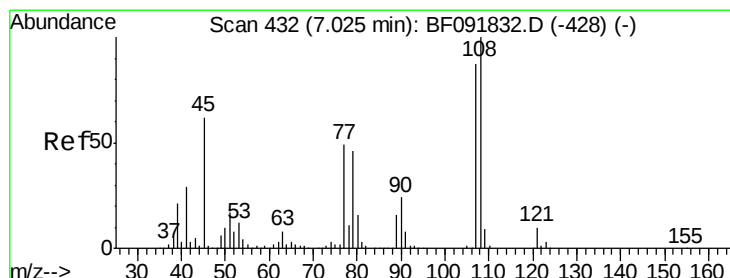
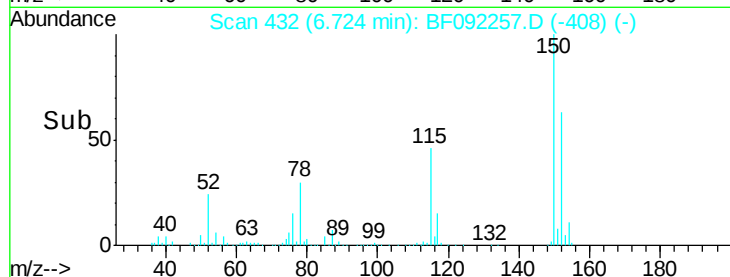
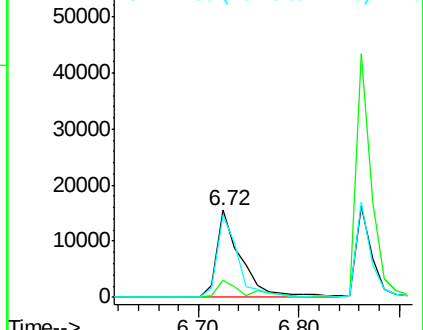


Abundance

Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#17

2-Methylphenol

Concen: 4.14 ng

RT: 6.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

Tgt Ion: 107 Resp: 39668

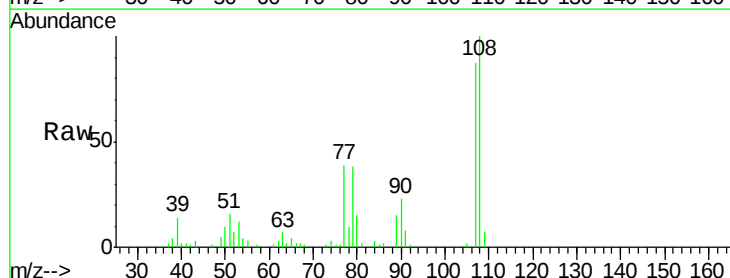
Ion Ratio Lower Upper

107 100

108 114.4 93.0 139.6

77 44.7 39.8 59.8

79 43.0 38.0 57.0



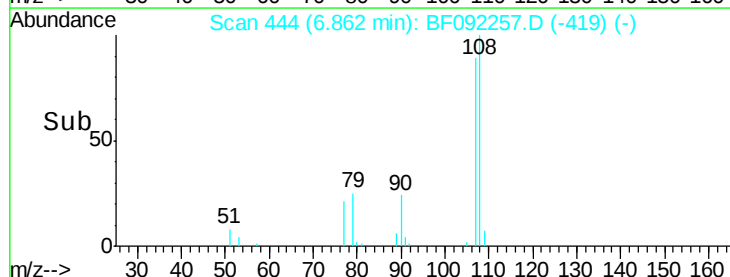
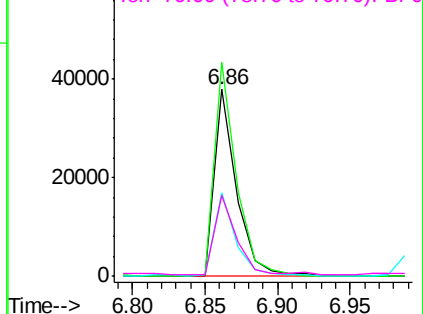
Abundance

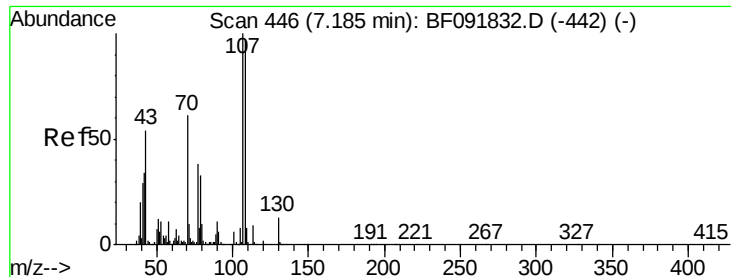
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

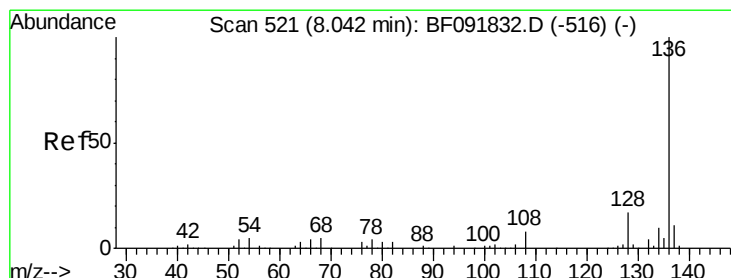
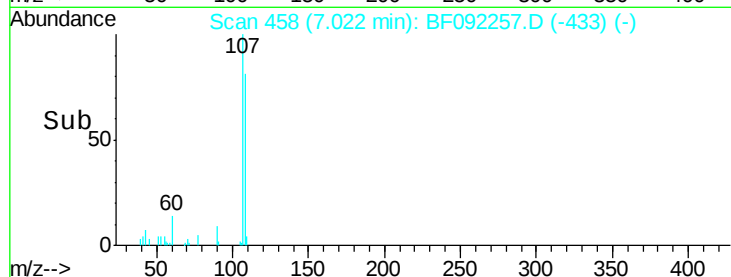
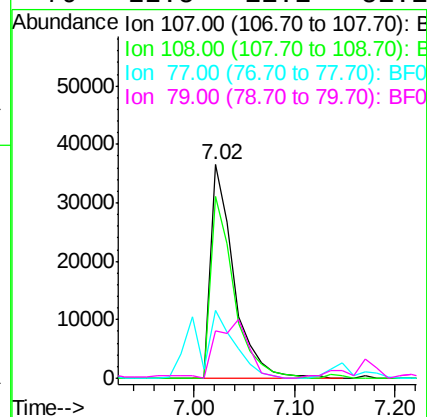
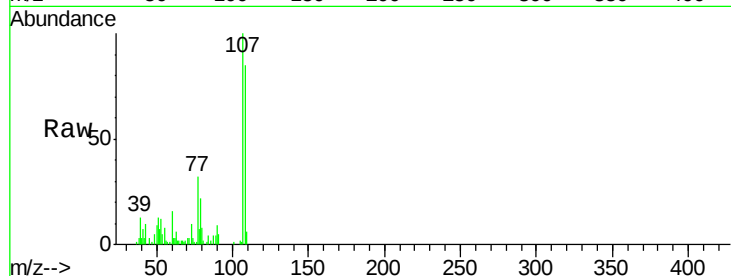




#20
3+4-Methylphenols
Concen: 5.10 ng
RT: 7.02 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF092257.D
Acq: 13 Jan 2017 22:24

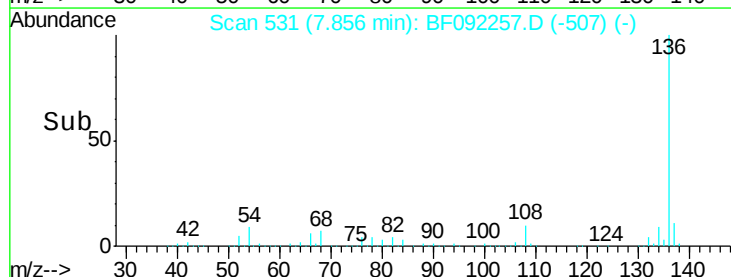
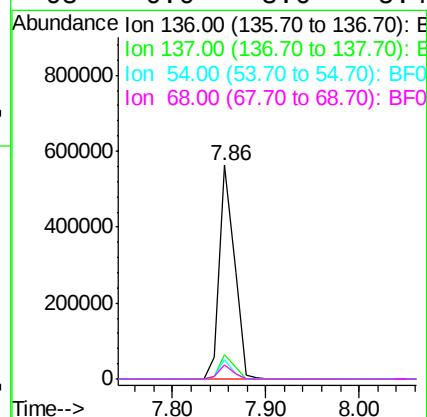
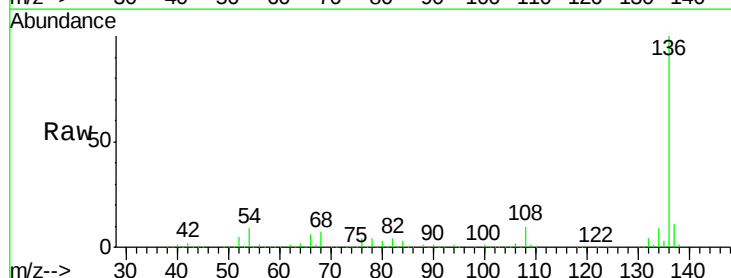
Instrument :
BNA_F
ClientSampleId :
TOD-SB-78-80

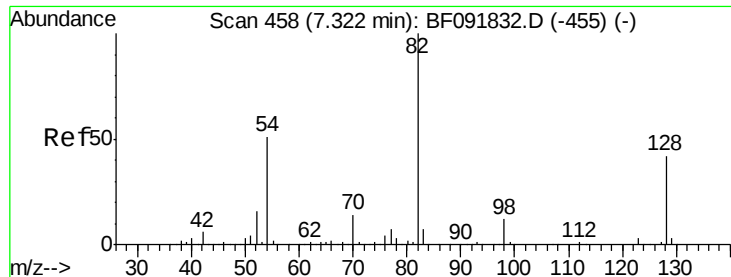
Tgt Ion:107 Resp: 58261
Ion Ratio Lower Upper
107 100
108 85.1 73.0 113.0
77 31.8 71.3 111.3#
79 22.5 11.1 51.1



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF092257.D
Acq: 13 Jan 2017 22:24

Tgt Ion:136 Resp: 629732
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 8.8 4.5 6.7#
68 6.6 3.6 5.4#

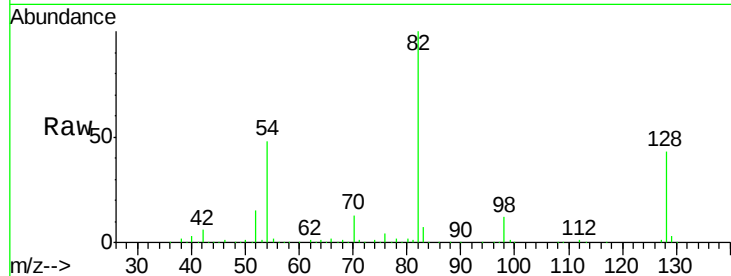




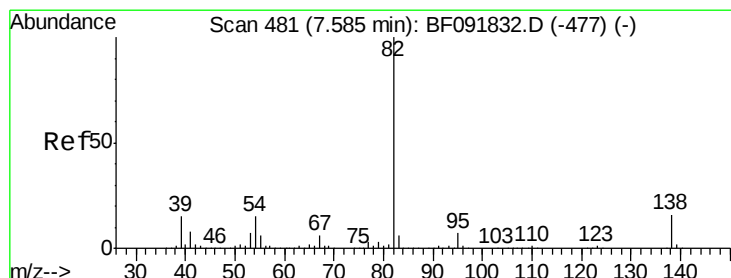
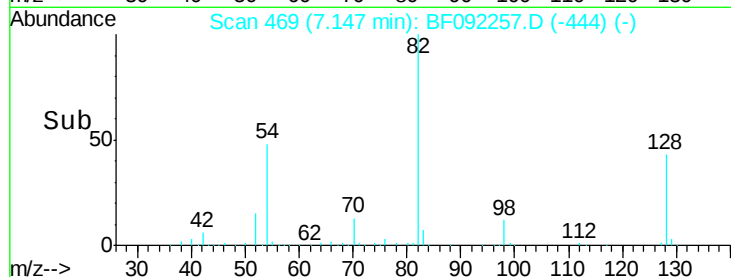
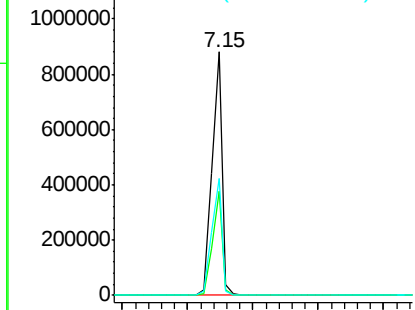
#23
 Nitrobenzene-d5
 Concen: 84.57 ng
 RT: 7.15 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF092257.D
 Acq: 13 Jan 2017 22:24

Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-78-80

Tgt Ion: 82 Resp: 957762
 Ion Ratio Lower Upper
 82 100
 128 43.0 34.6 52.0
 54 48.1 39.5 59.3

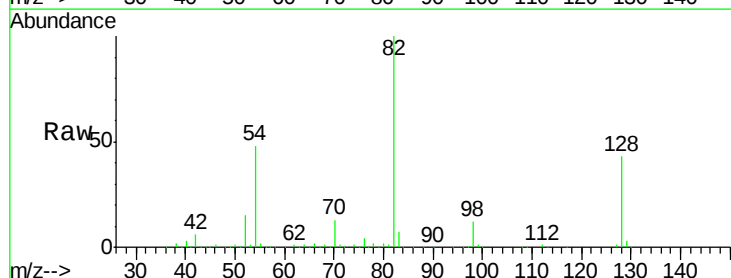


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

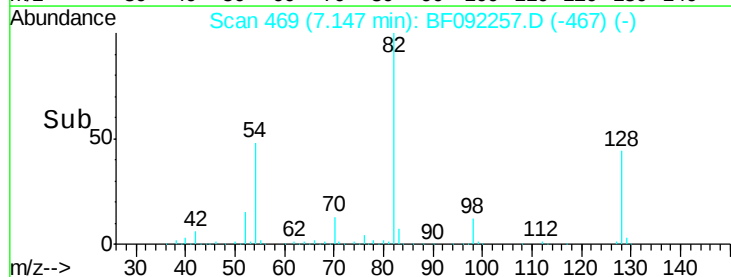
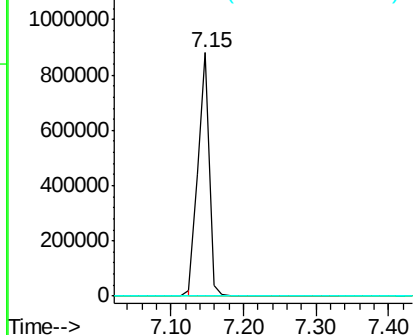


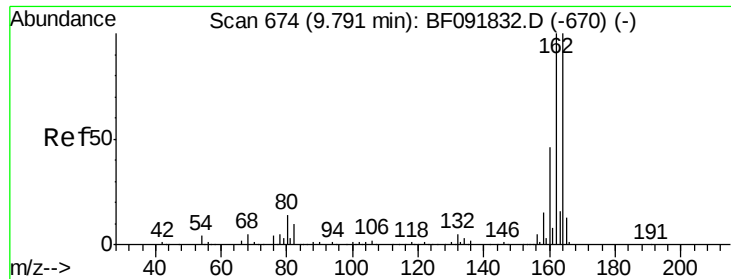
#25
 Isophorone
 Concen: 45.11 ng
 RT: 7.15 min Scan# 469
 Delta R.T. -0.27 min
 Lab File: BF092257.D
 Acq: 13 Jan 2017 22:24

Tgt Ion: 82 Resp: 942507
 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: 9.60 min Scan# 684

Delta R.T. -0.02 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

Instrument :

BNA_F

ClientSampleId :

TOD-SB-78-80

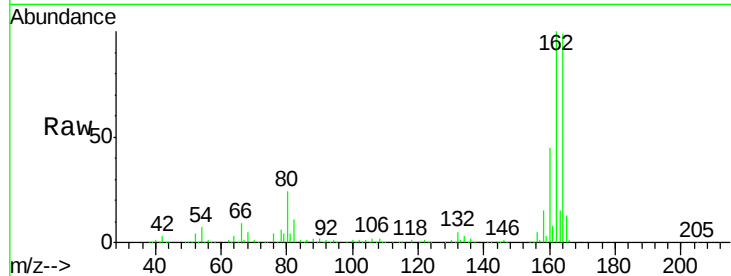
Tgt Ion:164 Resp: 333328

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.2

160 45.2 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

400000

300000

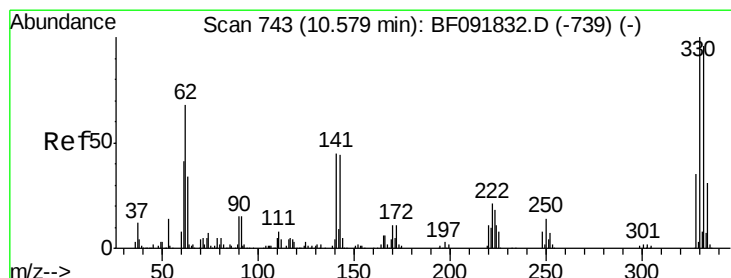
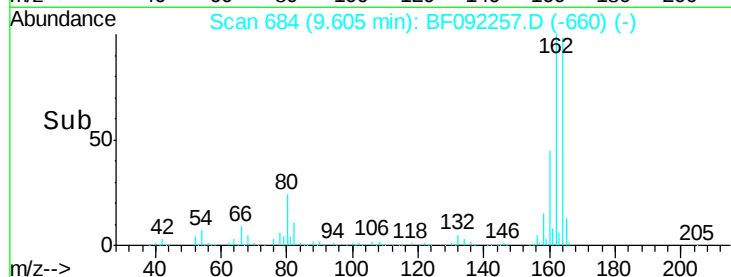
200000

100000

0

9.55 9.60 9.65 9.70

Time-->



#41

2,4,6-Tribromophenol

Concen: 127.88 ng

RT: 10.40 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

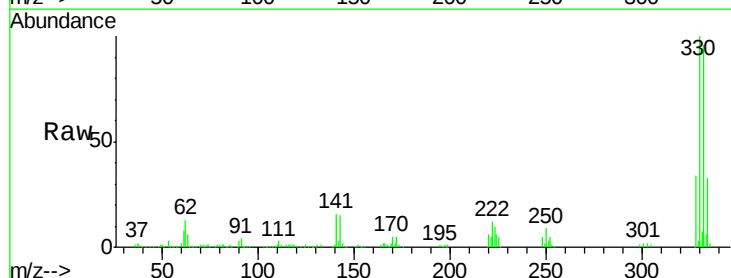
Tgt Ion:330 Resp: 352773

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.2

141 33.4 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

400000

300000

200000

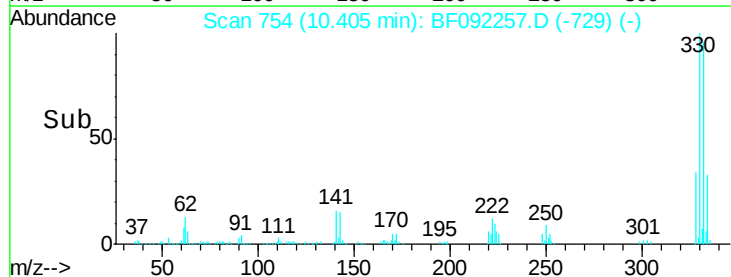
100000

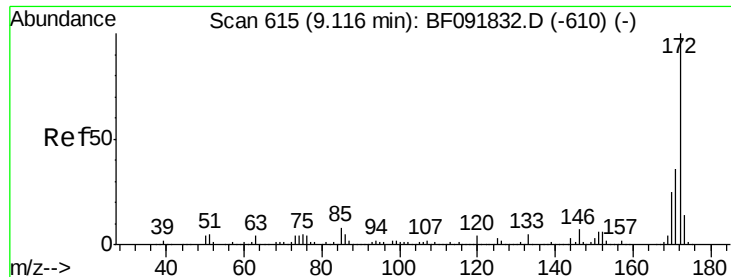
0

10.40

10.60

Time-->

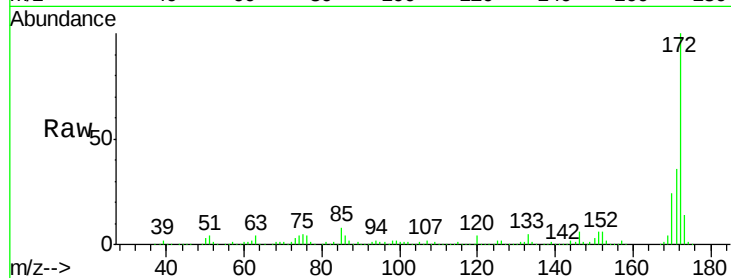




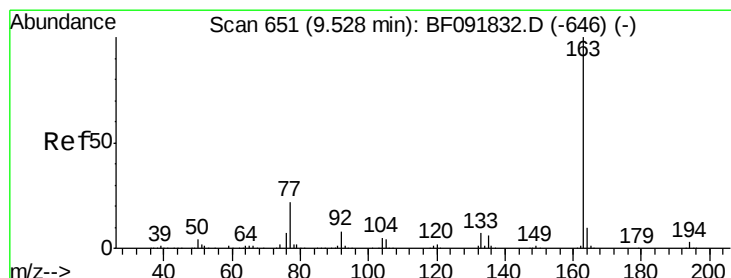
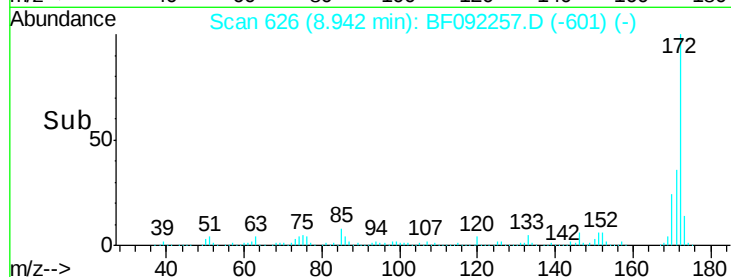
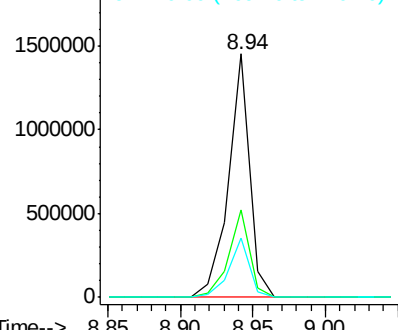
#44
2-Fluorobiphenyl
Concen: 91.46 ng
RT: 8.94 min Scan# 626
Delta R.T. -0.01 min
Lab File: BF092257.D
Acq: 13 Jan 2017 22:24

Instrument :
BNA_F
ClientSampleId :
TOD-SB-78-80

Tgt Ion:172 Resp: 1471936
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.1 20.2 30.4

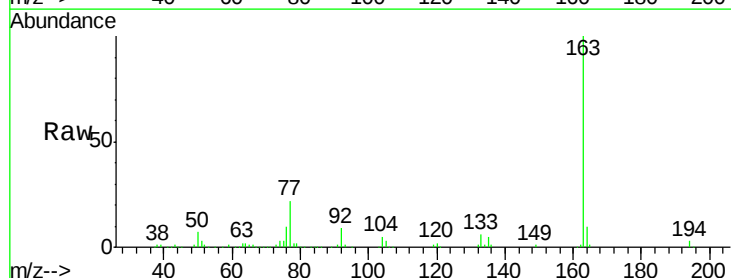


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

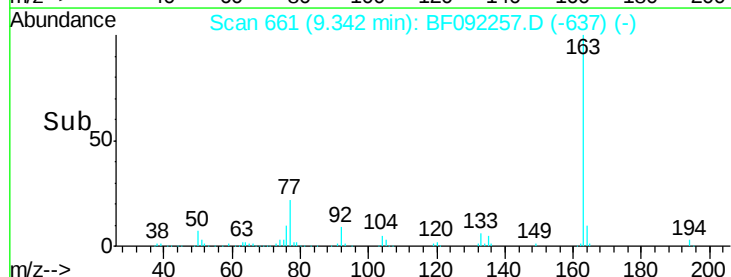
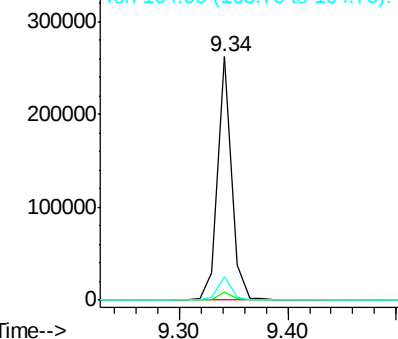


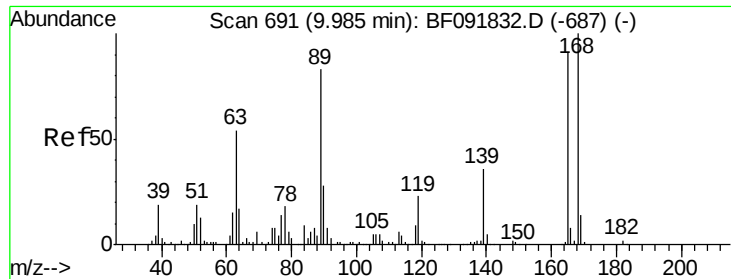
#49
Dimethylphthalate
Concen: 10.81 ng
RT: 9.34 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF092257.D
Acq: 13 Jan 2017 22:24

Tgt Ion:163 Resp: 230424
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 9.8 8.0 12.0



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

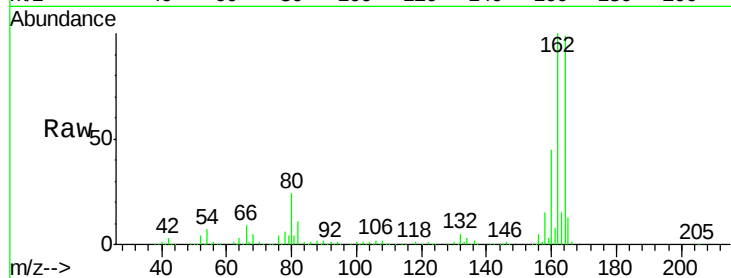




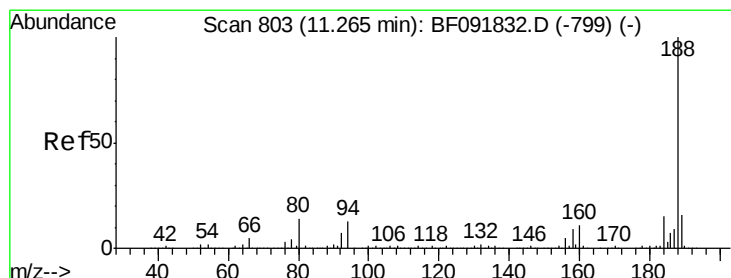
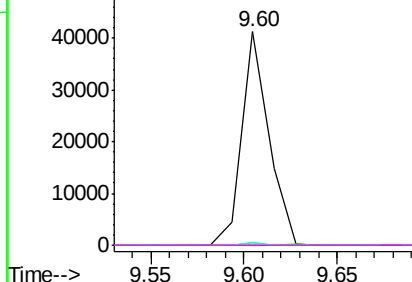
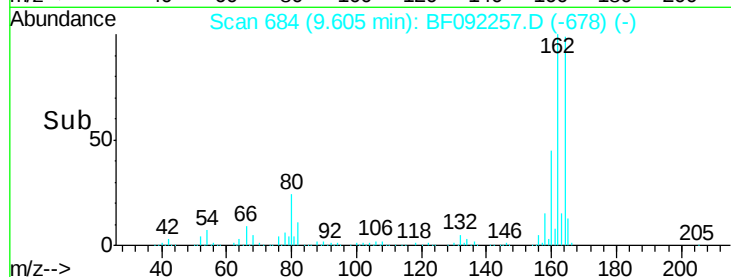
#56
 2,4-Dinitrotoluene
 Concen: 7.13 ng
 RT: 9.60 min Scan# 684
 Delta R.T. -0.23 min
 Lab File: BF092257.D
 Acq: 13 Jan 2017 22:24

Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-78-80

Tgt Ion:165 Resp: 41787
 Ion Ratio Lower Upper
 165 100
 63 1.1 40.2 60.4#
 89 1.2 62.5 93.7#
 182 0.0 1.8 2.8#

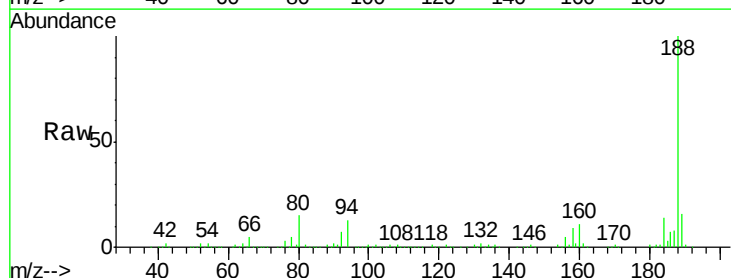


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

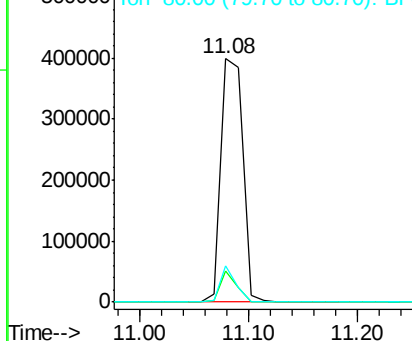
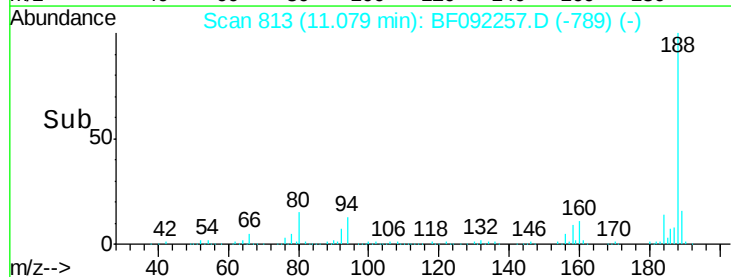


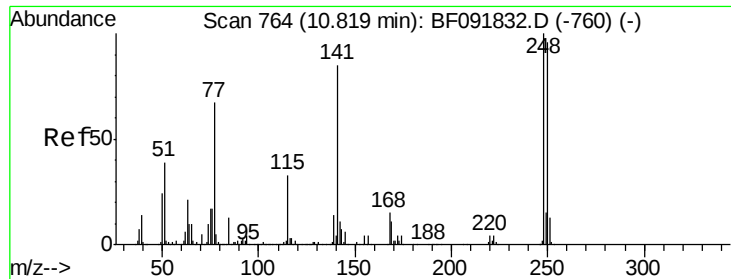
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 813
 Delta R.T. -0.02 min
 Lab File: BF092257.D
 Acq: 13 Jan 2017 22:24

Tgt Ion:188 Resp: 559406
 Ion Ratio Lower Upper
 188 100
 94 12.8 10.0 15.0
 80 14.8 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

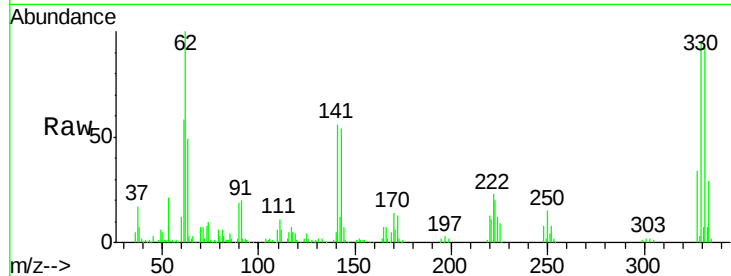




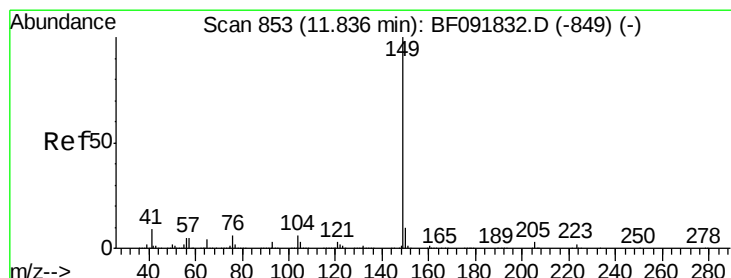
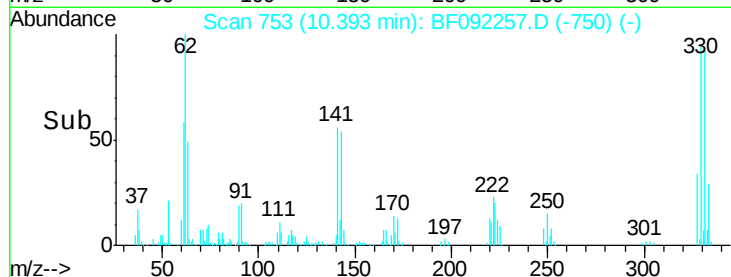
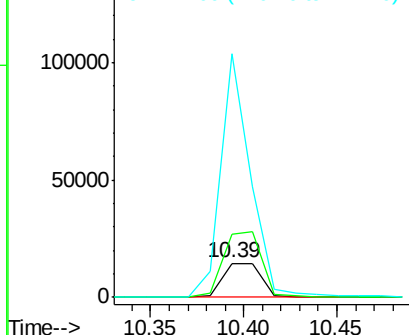
#66
 4-Bromophenyl-phenylether
 Concen: 3.67 ng
 RT: 10.39 min Scan# 753
 Delta R.T. -0.26 min
 Lab File: BF092257.D
 Acq: 13 Jan 2017 22:24

Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-78-80

Tgt Ion:248 Resp: 21338
 Ion Ratio Lower Upper
 248 100
 250 185.5 76.9 115.3#
 141 710.5 68.2 102.4#

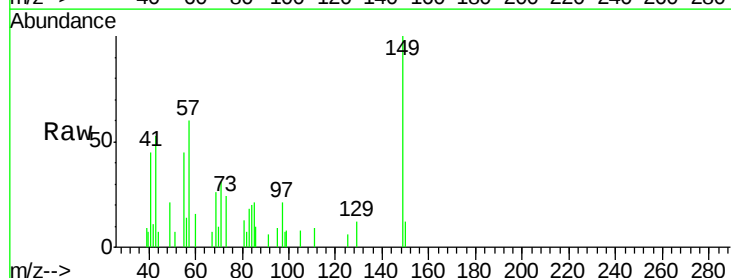


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

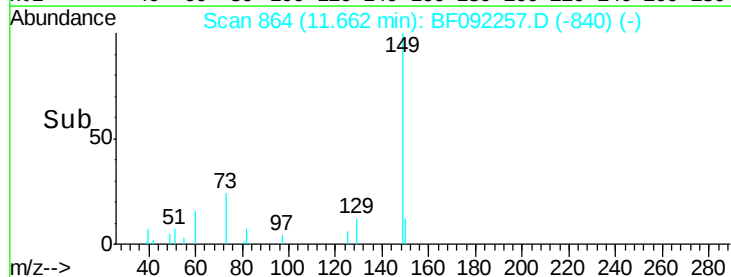
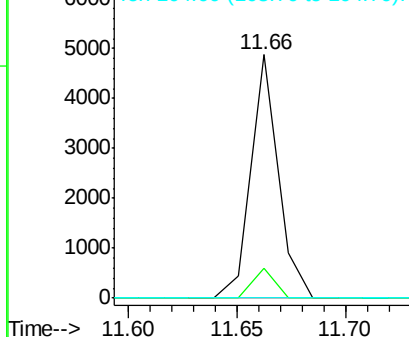


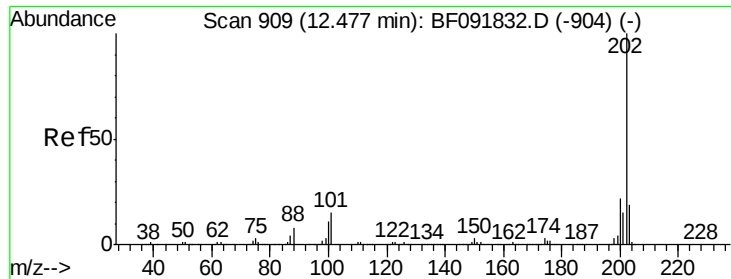
#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.66 min Scan# 864
 Delta R.T. -0.02 min
 Lab File: BF092257.D
 Acq: 13 Jan 2017 22:24

Tgt Ion:149 Resp: 4276
 Ion Ratio Lower Upper
 149 100
 150 12.2 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: 12.30 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

Instrument :

BNA_F

ClientSampleId :

TOD-SB-78-80

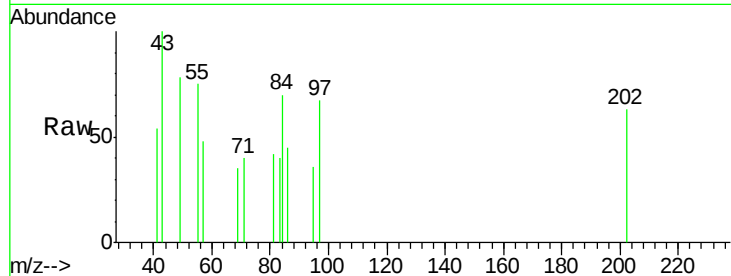
Tgt Ion:202 Resp: 614

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

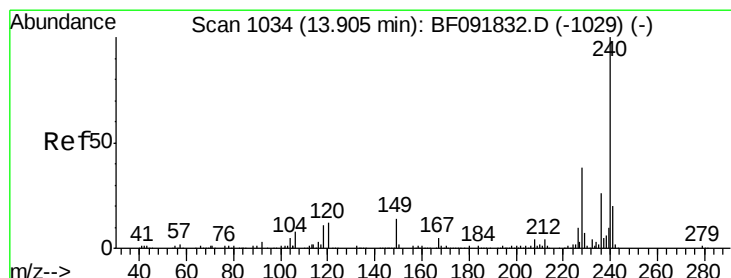
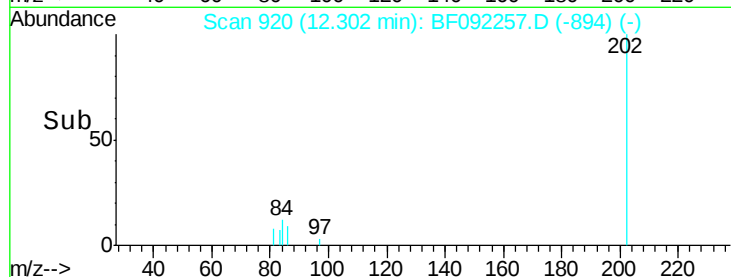
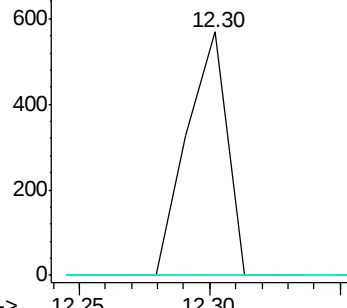
203 0.0 0.0 38.7



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: 13.71 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

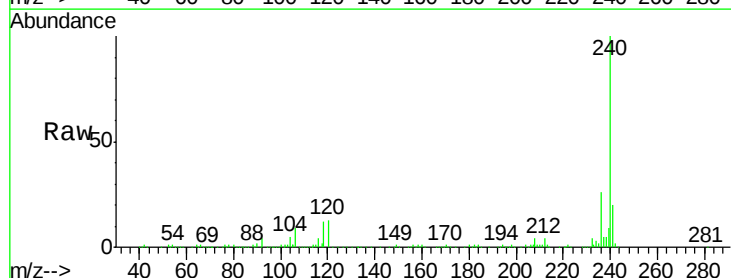
Tgt Ion:240 Resp: 453464

Ion Ratio Lower Upper

240 100

120 13.0 12.9 19.3

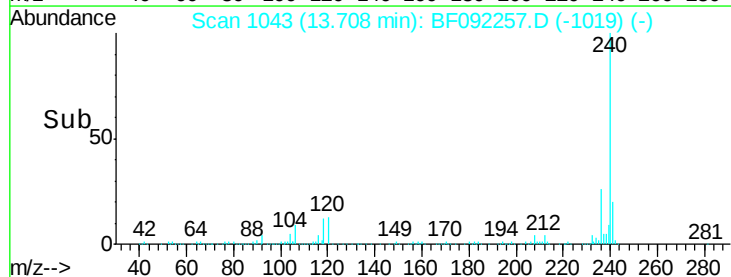
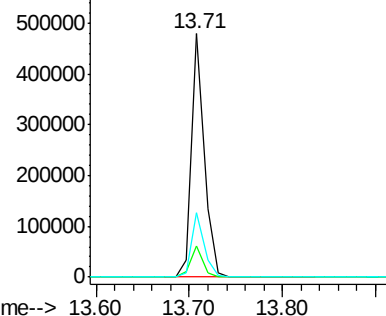
236 26.2 20.9 31.3

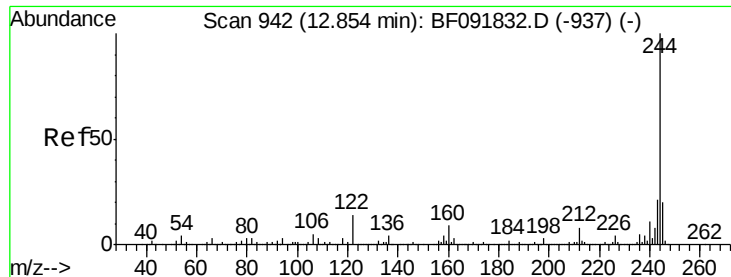


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 76.07 ng

RT: 12.67 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

Instrument :

BNA_F

ClientSampleId :

TOD-SB-78-80

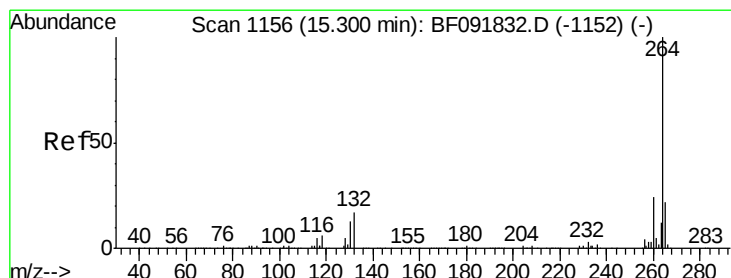
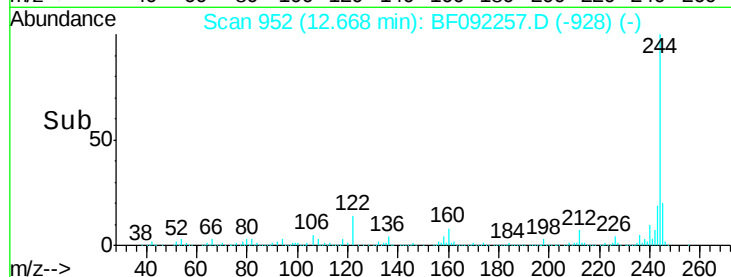
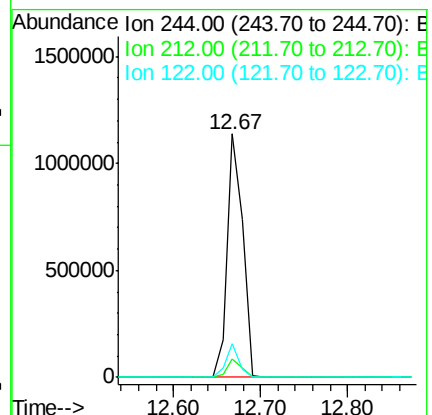
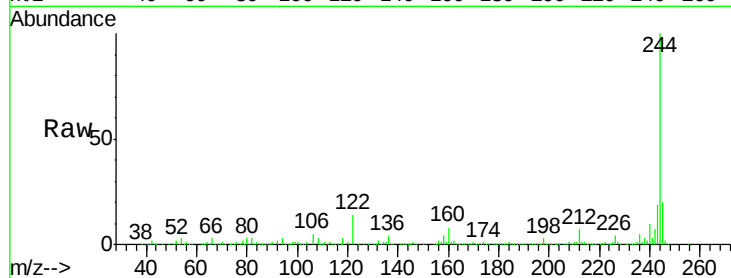
Tgt Ion:244 Resp: 1422349

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 13.8 11.4 17.2



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.07 min Scan# 1162

Delta R.T. -0.02 min

Lab File: BF092257.D

Acq: 13 Jan 2017 22:24

Tgt Ion:264 Resp: 367941

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.3 17.4 26.0

