

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012417\
 Data File : BF092457.D
 Acq On : 25 Jan 2017 4:14
 Operator : UM/SJ
 Sample : I1397-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-11

Quant Time: Jan 25 04:50:54 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	149031	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	594422	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	300823	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	459216	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	302819	20.00	ng	-0.02
86) Perylene-d12	15.63	264	309802	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	597391	62.37	ng	0.00
7) Phenol-d6	6.58	99	485165	39.76	ng	-0.01
23) Nitrobenzene-d5	7.54	82	1106138	101.65	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	293161	143.01	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1491141	91.66	ng	-0.01
78) Terphenyl-d14	13.10	244	1057183	92.96	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.54	70	146875	17.68	ng	# 77
25) Isophorone	7.54	82	1025003	47.80	ng	# 65
32) Benzoic acid	7.93	122	1267	4.85	ng	# 49
49) Dimethylphthalate	9.73	163	90692	4.74	ng	# 99
50) 2,6-Dinitrotoluene	10.03	165	38283	9.79	ng	# 31
56) 2,4-Dinitrotoluene	10.03	165	38285	7.38	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.82	198	1379	5.45	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	23450	5.06	ng	# 1

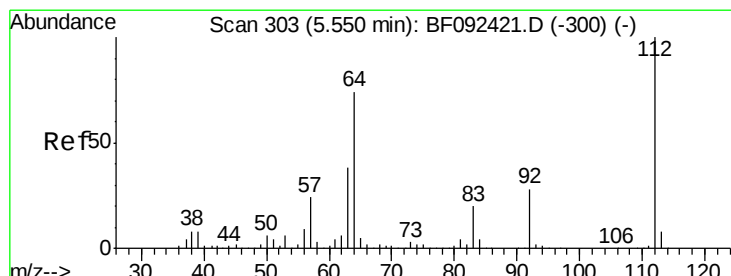
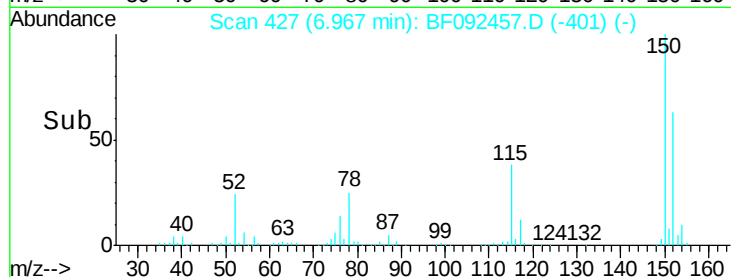
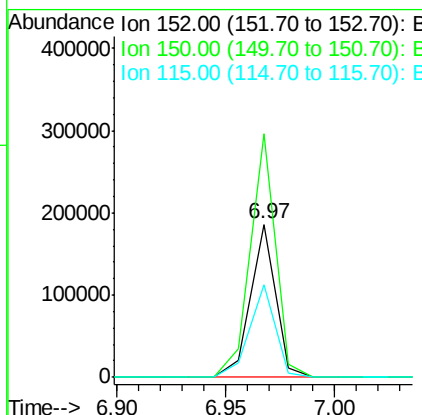
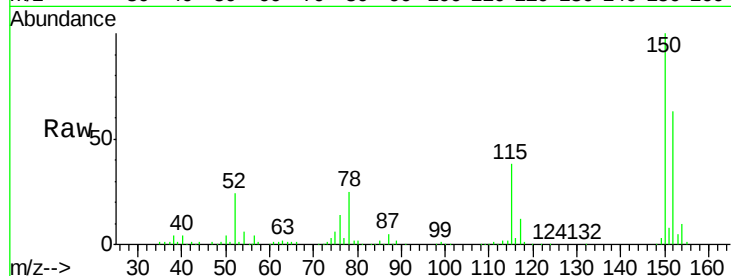
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: BF092457.D
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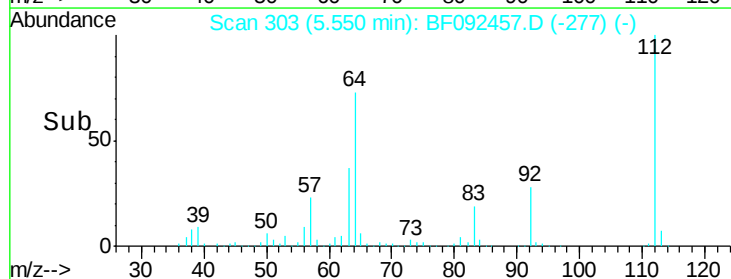
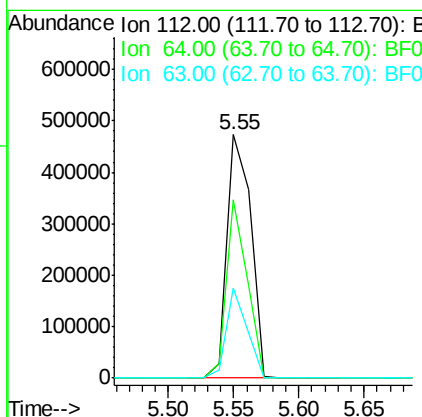
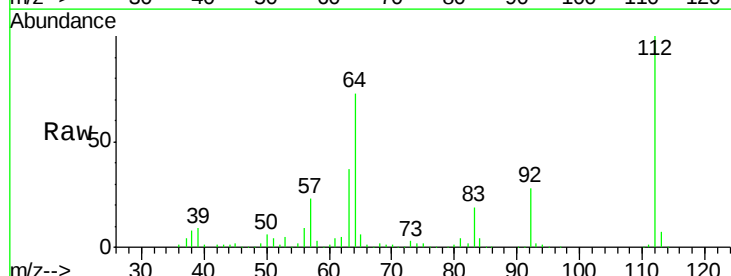
Instrument :
 BNA_F
 ClientSampleId :
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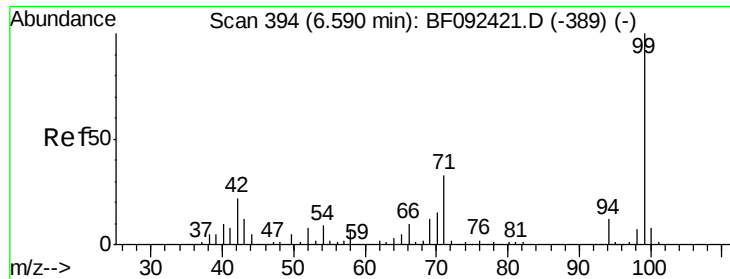
Tgt Ion:152 Resp: 149031
 Ion Ratio Lower Upper
 152 100
 150 158.9 124.9 187.3
 115 60.5 46.0 69.0



#5
 2-Fluorophenol
 Concen: 62.37 ng
 RT: 5.55 min Scan# 303
 Delta R.T. -0.00 min
 Lab File: BF092457.D
 Acq: 25 Jan 2017 4:14

Tgt Ion:112 Resp: 597391
 Ion Ratio Lower Upper
 112 100
 64 73.2 46.1 69.1#
 63 36.9 23.8 35.6#





#7

Phenol-d6

Concen: 39.76 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092457.D

Acq: 25 Jan 2017 4:14

Instrument :

BNA_F

ClientSampleId :

W-11

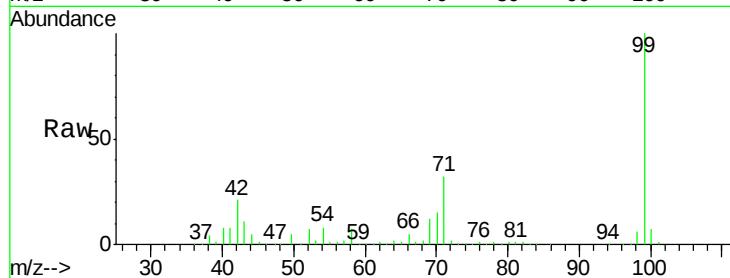
Tgt Ion: 99 Resp: 485165

Ion Ratio Lower Upper

99 100

42 21.3 15.6 23.4

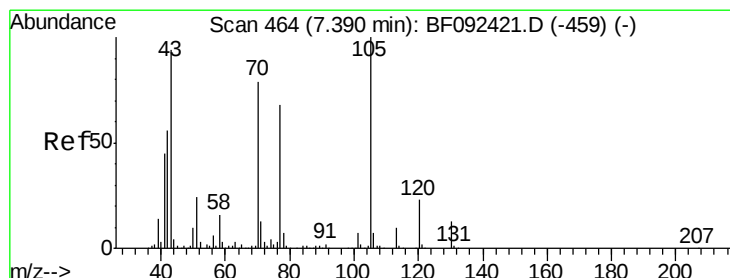
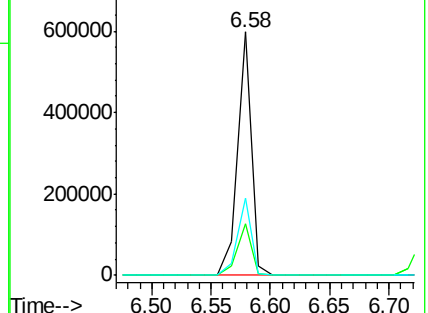
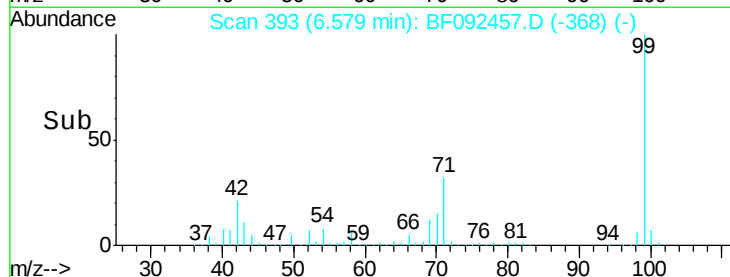
71 31.8 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.68 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092457.D

Acq: 25 Jan 2017 4:14

Tgt Ion: 70 Resp: 146875

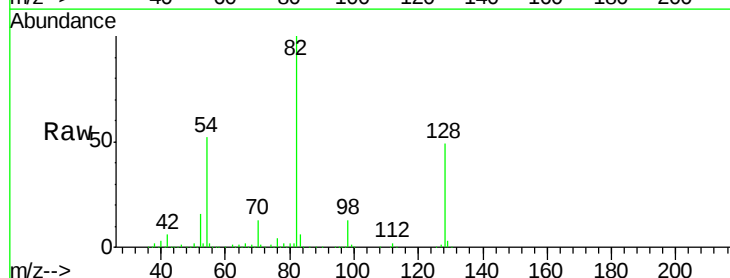
Ion Ratio Lower Upper

70 100

42 47.0 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

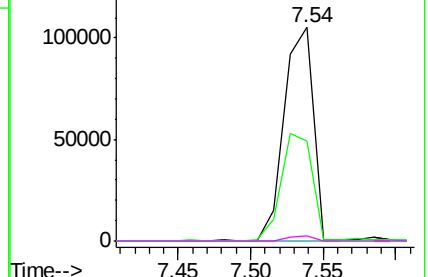
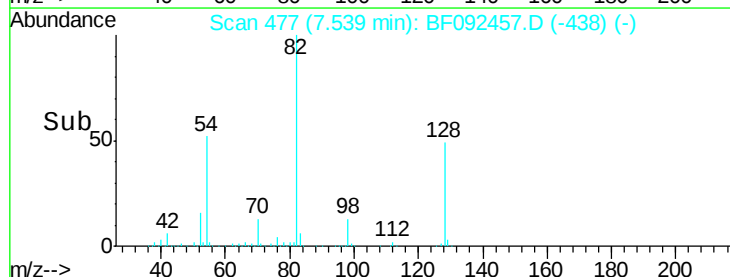


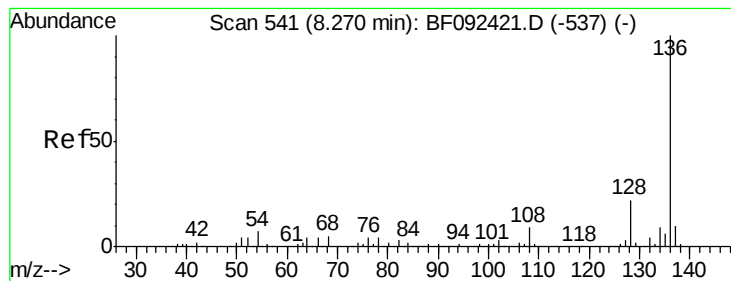
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

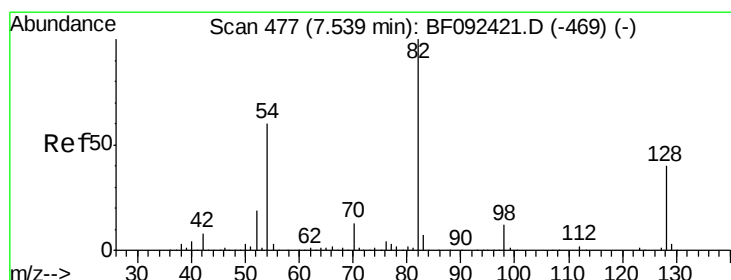
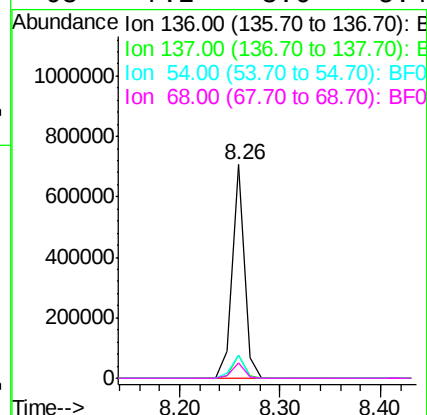
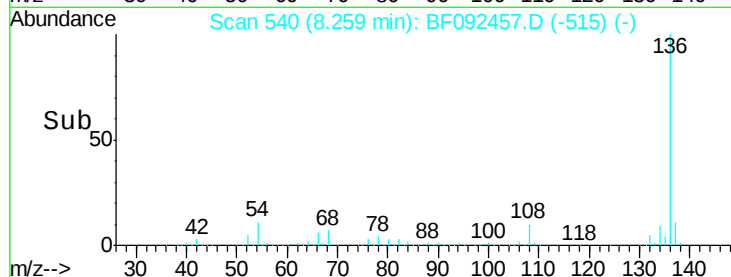
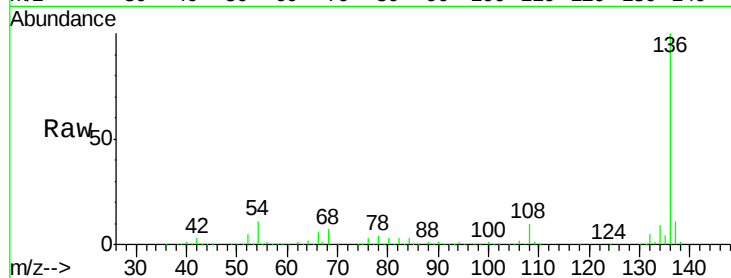




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092457.D
Acq: 25 Jan 2017 4:14

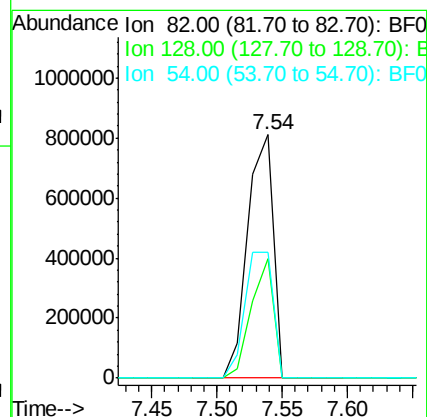
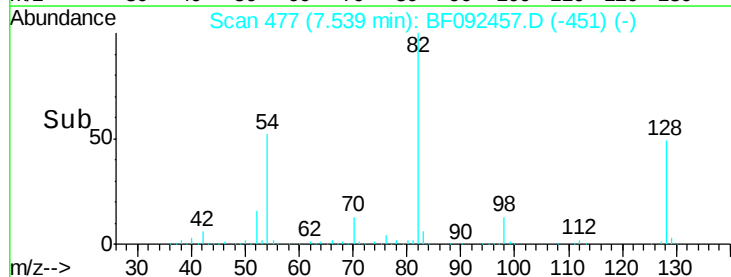
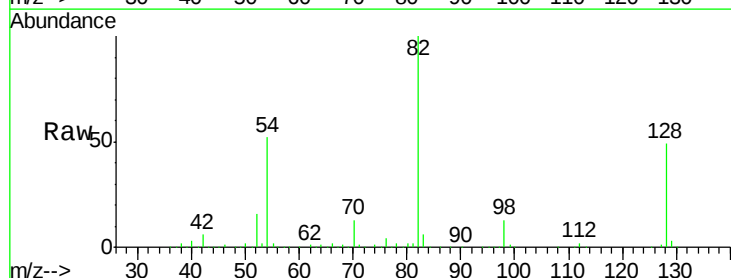
Instrument :
BNA_F
ClientSampled :
W-11

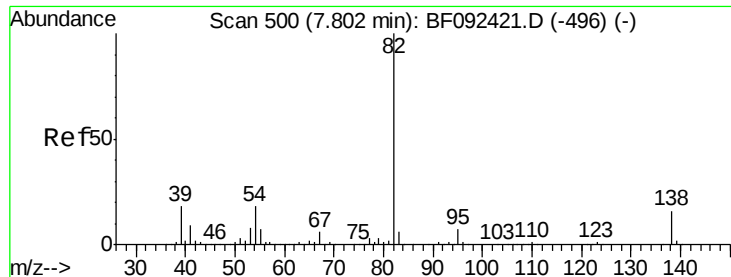
Tgt Ion:	136	Resp:	594422
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	10.6	4.5	6.7#
68	7.2	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 101.65 ng
RT: 7.54 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF092457.D
Acq: 25 Jan 2017 4:14

Tgt Ion:	82	Resp:	1106138
Ion	Ratio	Lower	Upper
82	100		
128	49.0	34.6	52.0
54	51.9	39.5	59.3





#25

Isophorone

Concen: 47.80 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF092457.D

Acq: 25 Jan 2017 4:14

Instrument :

BNA_F

ClientSampled :

W-11

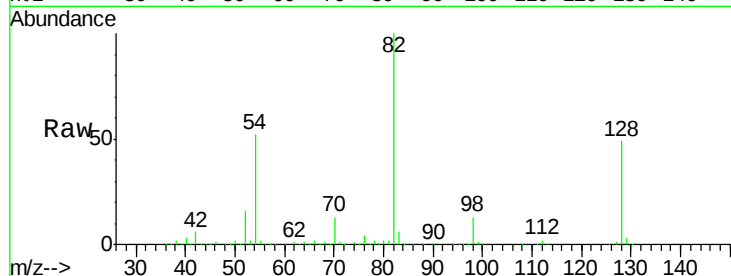
Tgt Ion: 82 Resp: 1025003

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

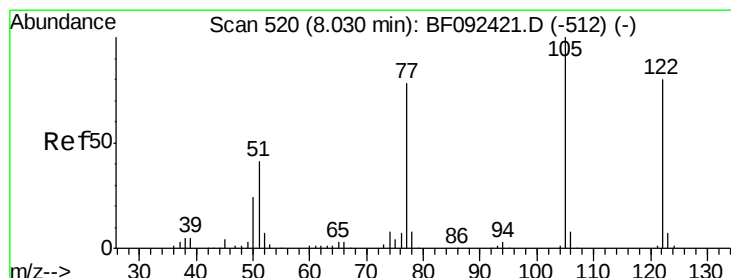
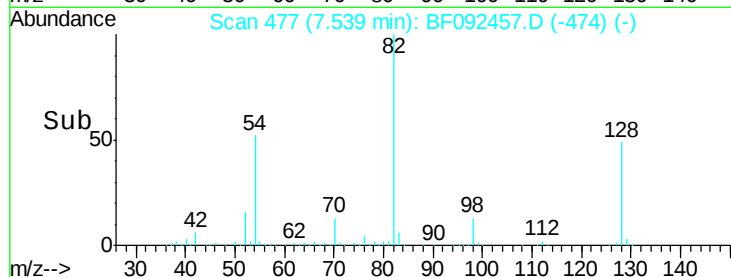
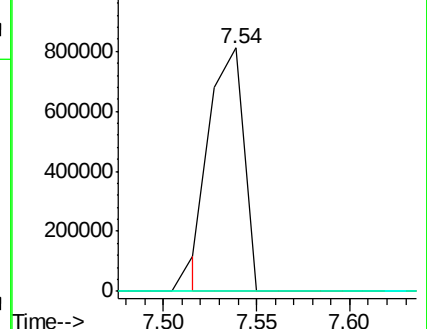
138 0.0 14.6 22.0#



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



#32

Benzoic acid

Concen: 4.85 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.10 min

Lab File: BF092457.D

Acq: 25 Jan 2017 4:14

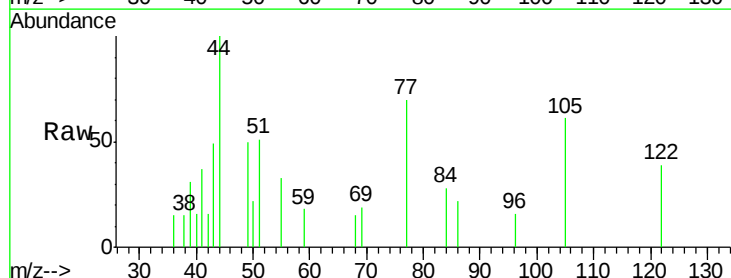
Tgt Ion: 122 Resp: 1267

Ion Ratio Lower Upper

122 100

105 156.5 107.2 147.2#

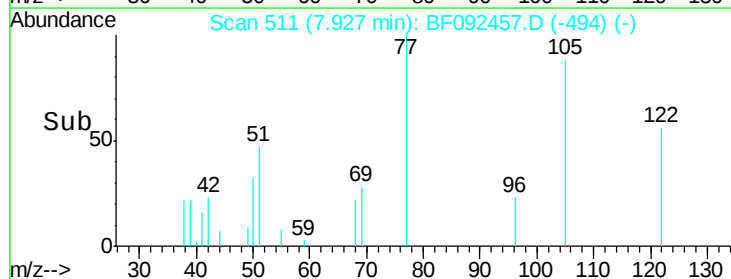
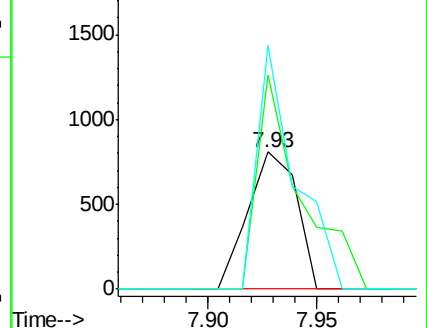
77 177.4 74.5 114.5#

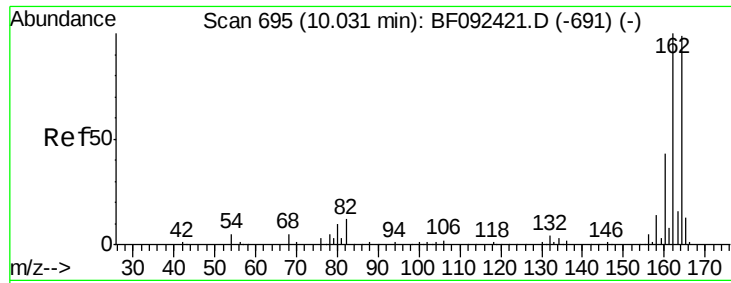


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF092457.D

Acq: 25 Jan 2017 4:14

Instrument :

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ClientSampleId :

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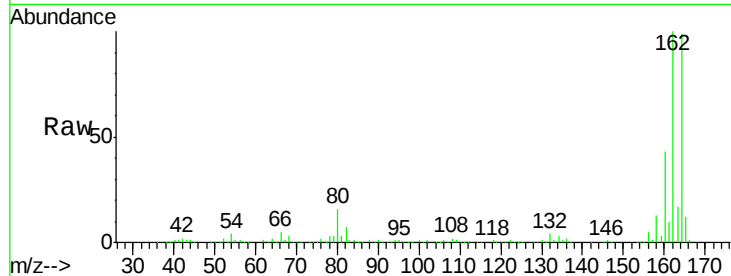
Tgt Ion:164 Resp: 300823

Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.2

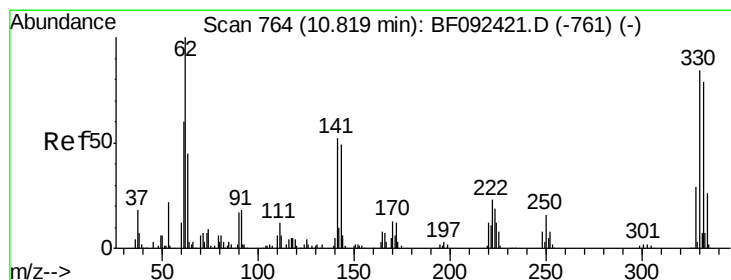
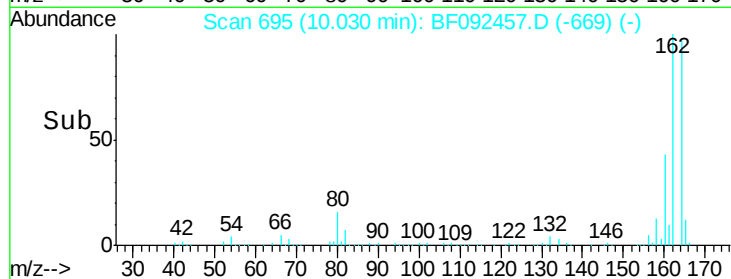
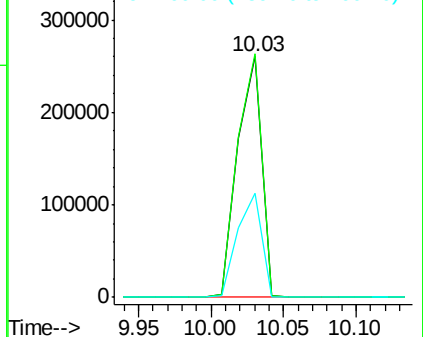
160 43.4 36.9 55.3



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: 143.01 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF092457.D

Acq: 25 Jan 2017 4:14

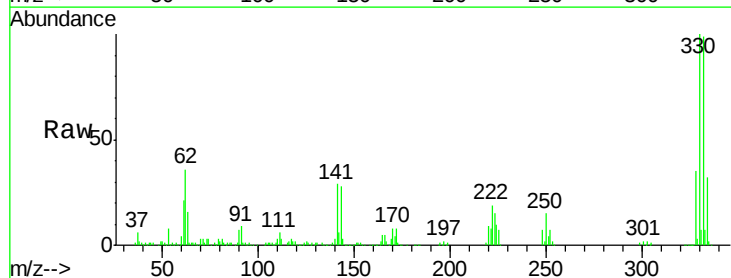
Tgt Ion:330 Resp: 293161

Ion Ratio Lower Upper

330 100

332 97.9 77.4 116.2

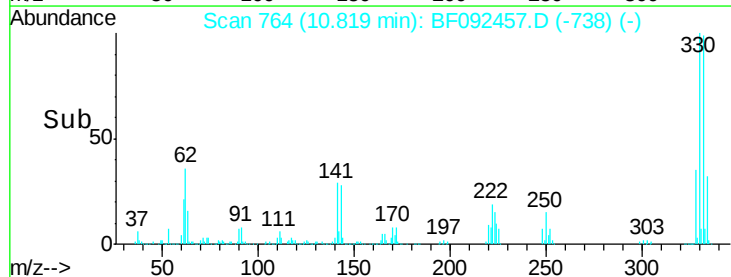
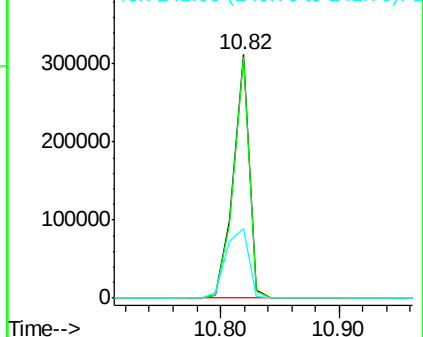
141 41.3 34.1 51.1

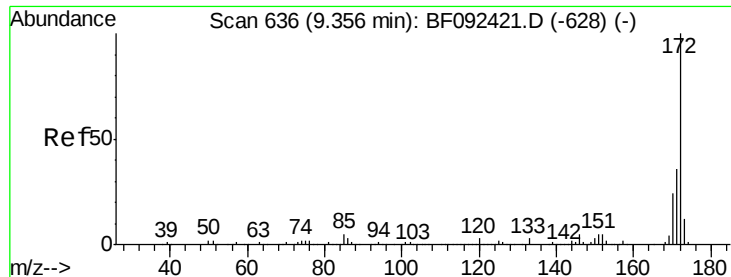


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

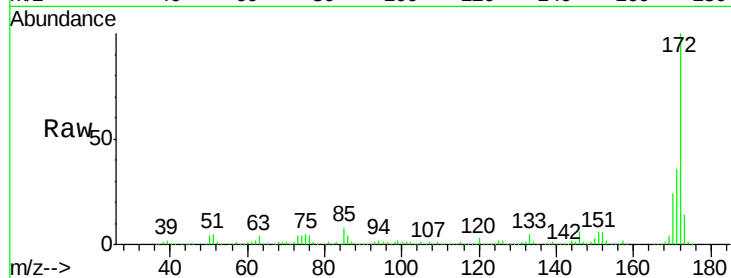




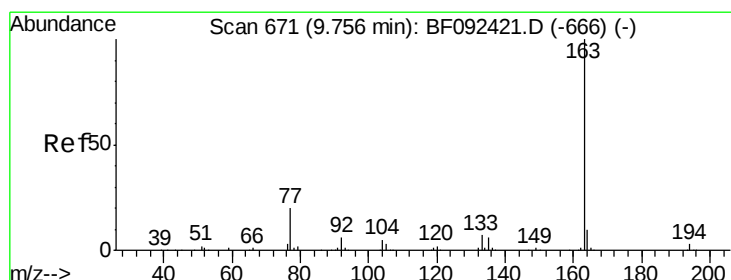
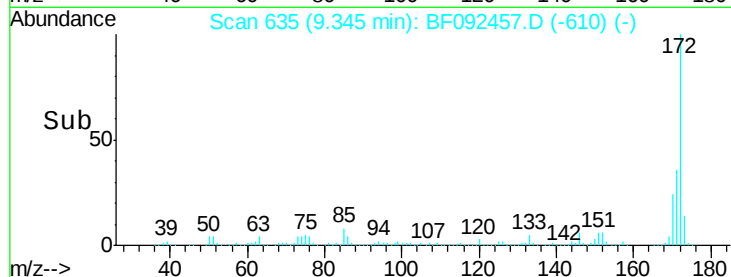
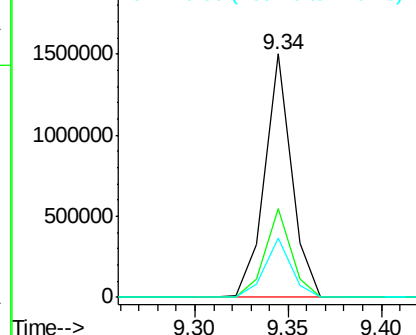
#44
2-Fluorobiphenyl
Concen: 91.66 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092457.D
Acq: 25 Jan 2017 4:14

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 1491141
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 24.4 20.2 30.4

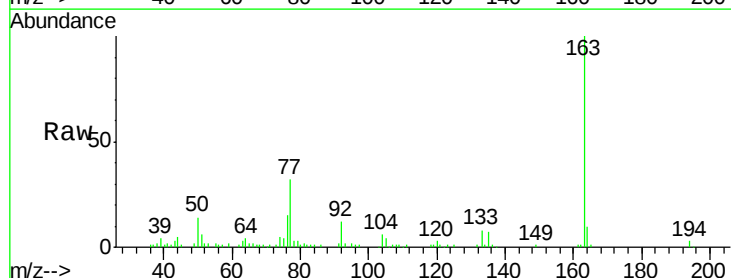


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

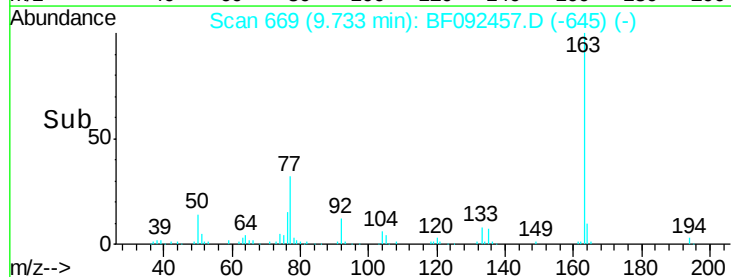
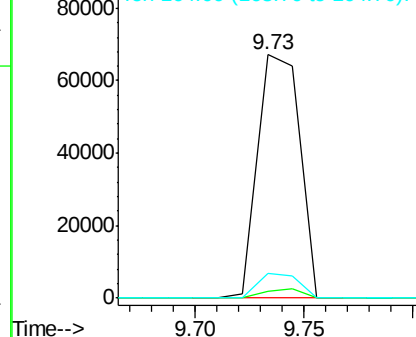


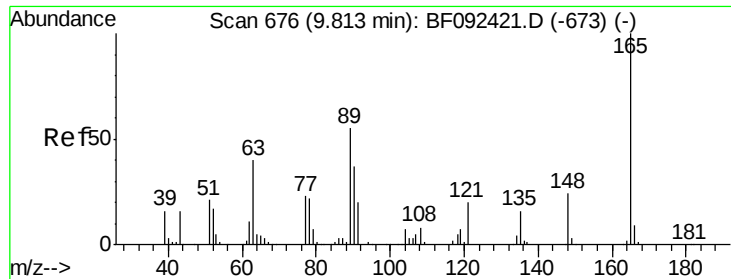
#49
Dimethylphthalate
Concen: 4.74 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF092457.D
Acq: 25 Jan 2017 4:14

Tgt Ion:163 Resp: 90692
Ion Ratio Lower Upper
163 100
194 2.9 3.0 4.4#
164 10.3 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

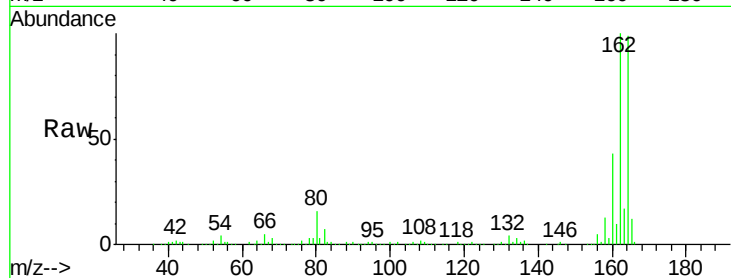




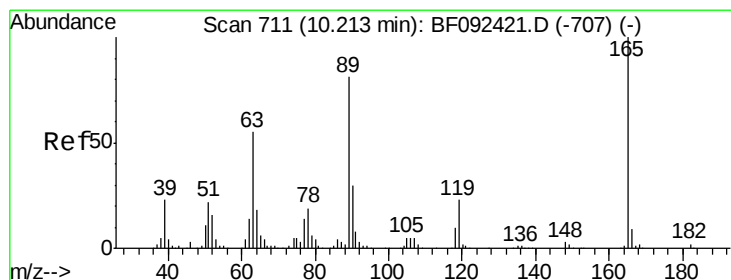
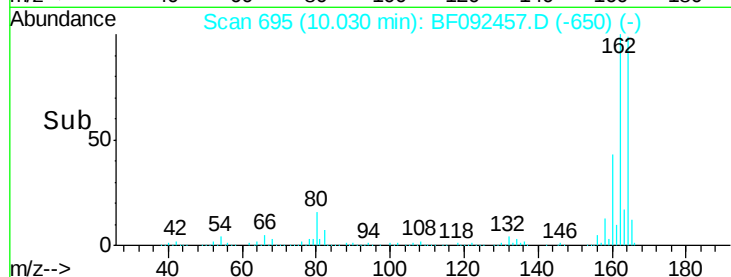
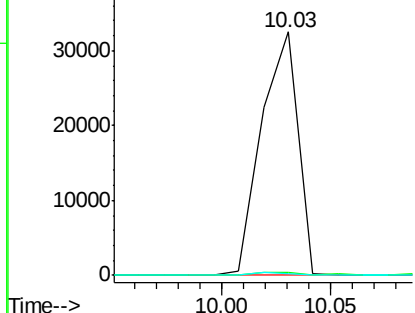
#50
2,6-Dinitrotoluene
Concen: 9.79 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.22 min
Lab File: BF092457.D
Acq: 25 Jan 2017 4:14

Instrument :
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ClientSampleId :
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Tgt Ion:165 Resp: 38283
Ion Ratio Lower Upper
165 100
63 1.3 36.2 54.4#
89 1.0 40.2 60.4#

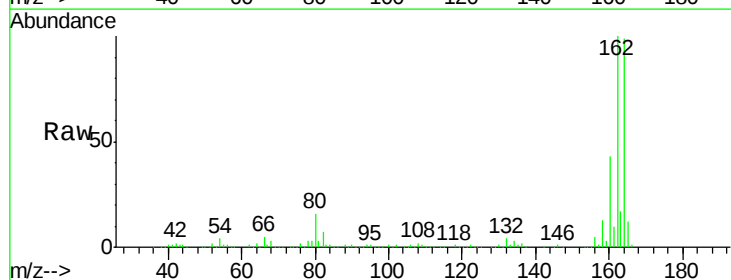


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

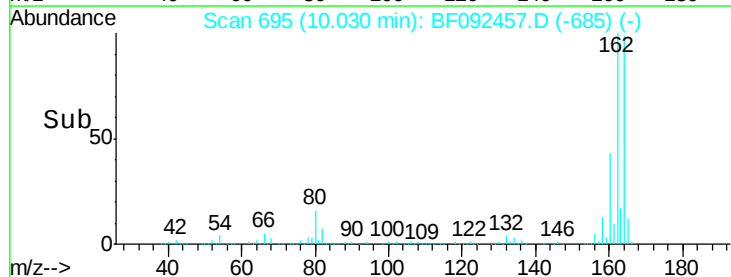
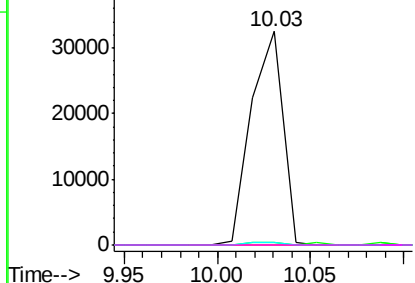


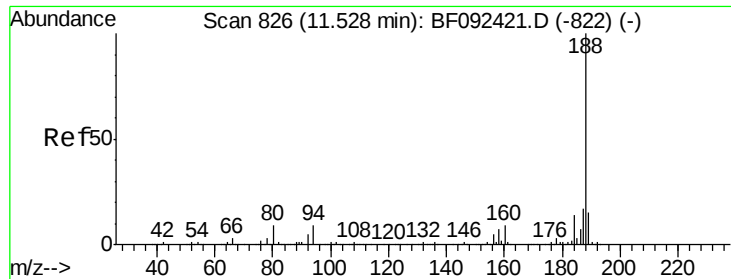
#56
2,4-Dinitrotoluene
Concen: 7.38 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.18 min
Lab File: BF092457.D
Acq: 25 Jan 2017 4:14

Tgt Ion:165 Resp: 38285
Ion Ratio Lower Upper
165 100
63 1.3 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
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

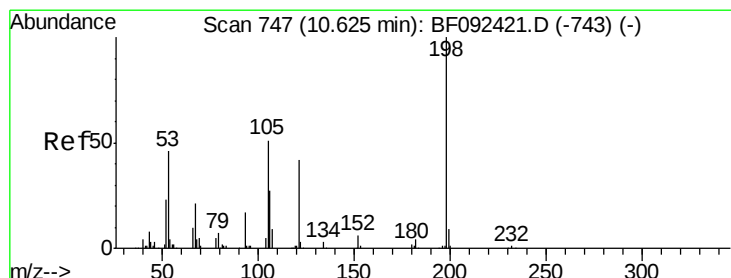
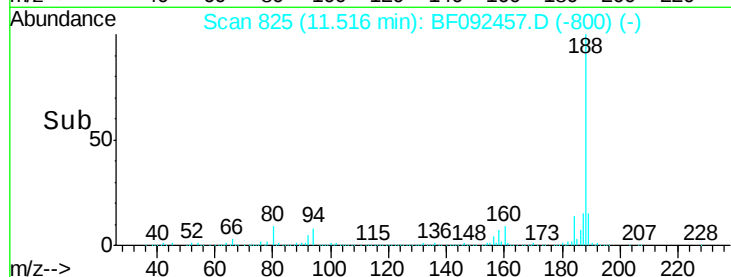
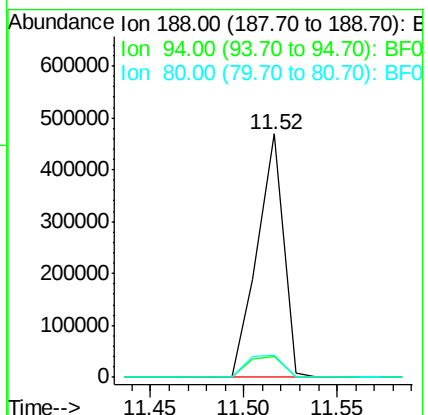
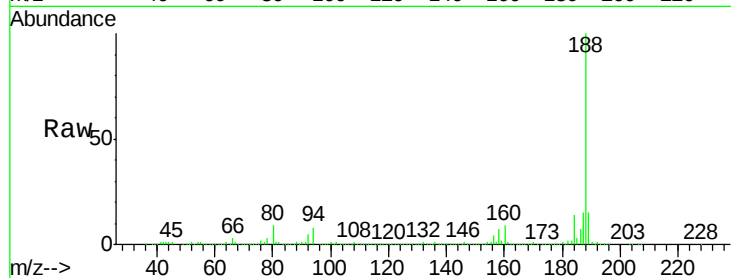




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092457.D
Acq: 25 Jan 2017 4:14

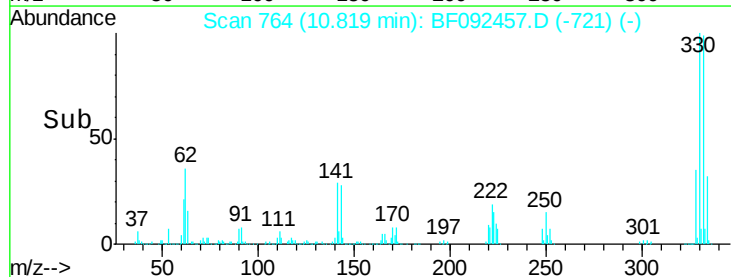
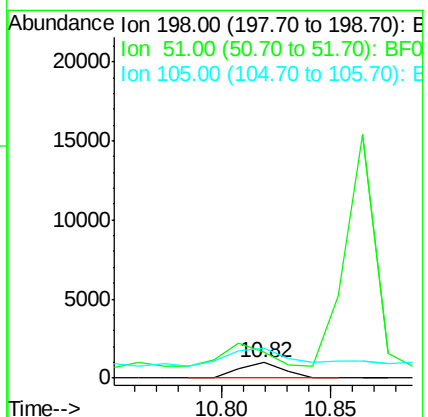
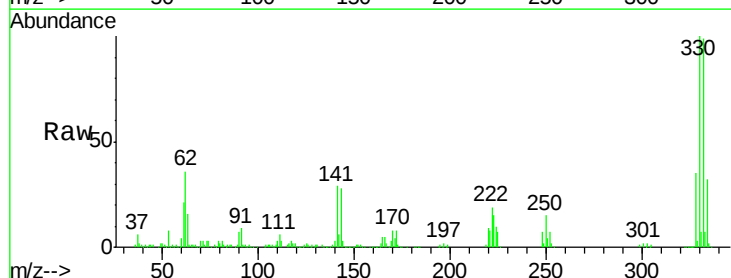
Instrument :
BNA_F
ClientSampleId :
W-11

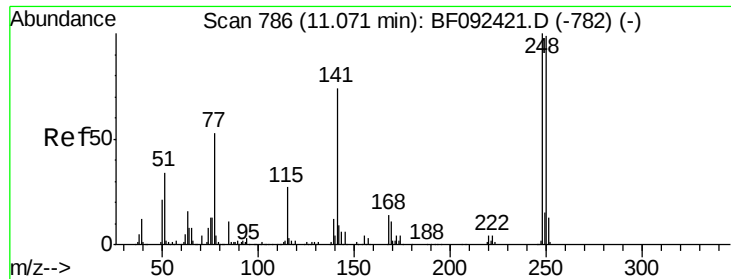
Tgt Ion:188 Resp: 459216
Ion Ratio Lower Upper
188 100
94 8.3 10.0 15.0#
80 8.9 11.2 16.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.45 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.20 min
Lab File: BF092457.D
Acq: 25 Jan 2017 4:14

Tgt Ion:198 Resp: 1379
Ion Ratio Lower Upper
198 100
51 164.4 6.7 46.7#
105 187.8 16.6 56.6#

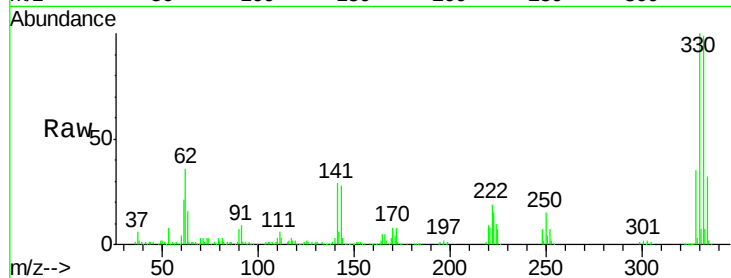




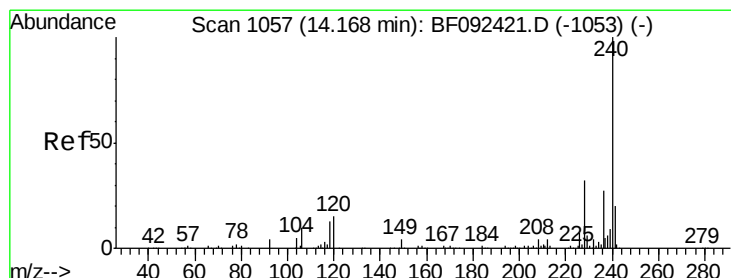
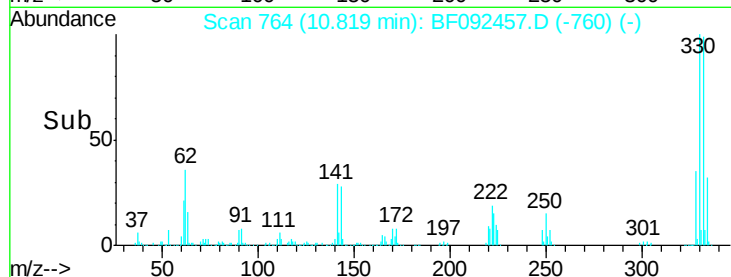
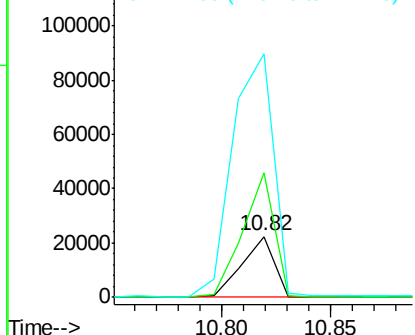
#66
 4-Bromophenyl-phenylether
 Concen: 5.06 ng
 RT: 10.82 min Scan# 764
 Delta R.T. -0.25 min
 Lab File: BF092457.D
 Acq: 25 Jan 2017 4:14

Instrument :
 BNA_F
 ClientSampleId :
 W-11

Tgt Ion:248 Resp: 23450
 Ion Ratio Lower Upper
 248 100
 250 202.7 76.9 115.3#
 141 398.1 68.2 102.4#

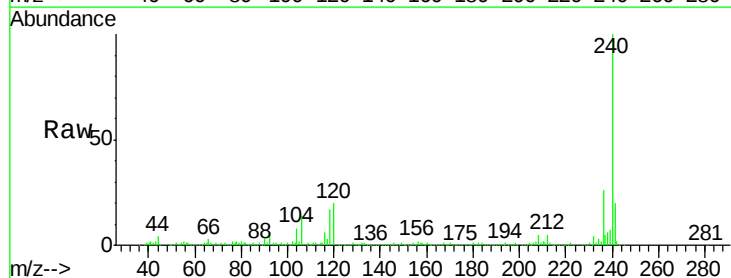


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

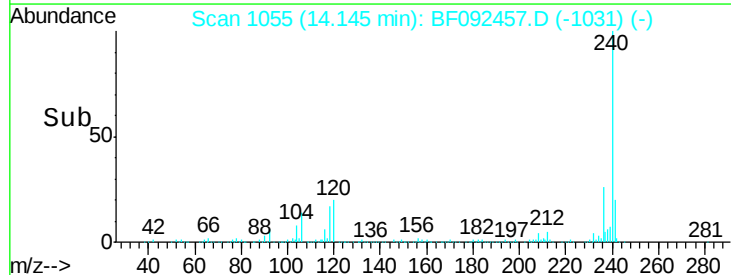
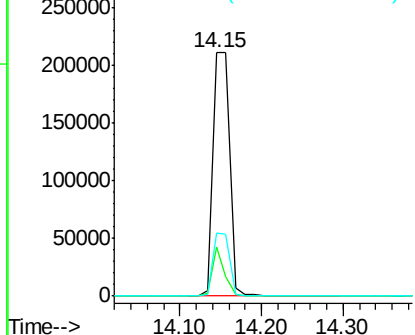


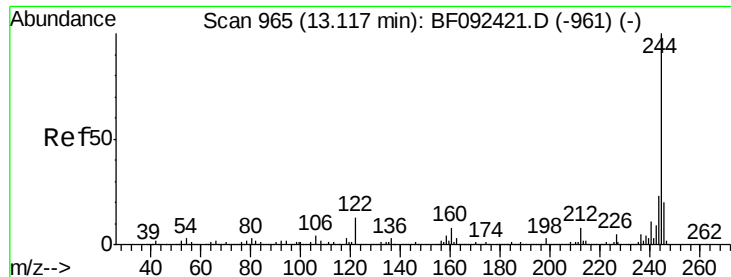
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. -0.02 min
 Lab File: BF092457.D
 Acq: 25 Jan 2017 4:14

Tgt Ion:240 Resp: 302819
 Ion Ratio Lower Upper
 240 100
 120 20.1 12.9 19.3#
 236 25.8 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: 92.96 ng

RT: 13.10 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092457.D

Acq: 25 Jan 2017 4:14

Instrument :

BNA_F

ClientSampled :

W-11

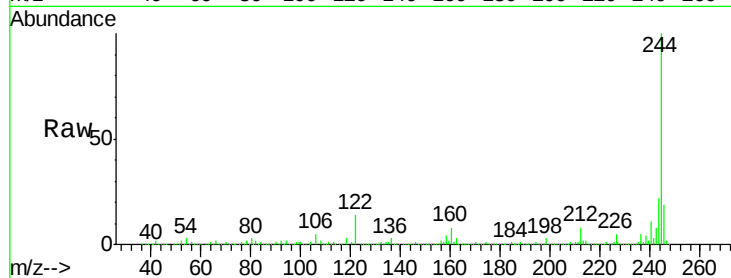
Tgt Ion:244 Resp: 1057183

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

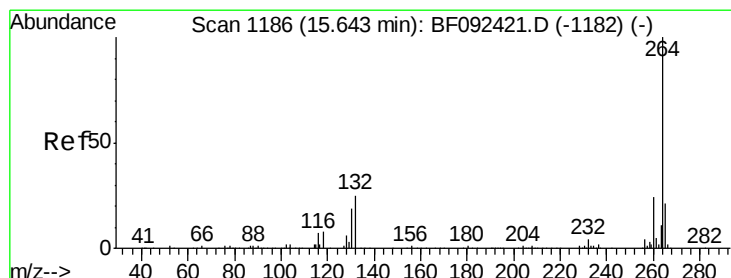
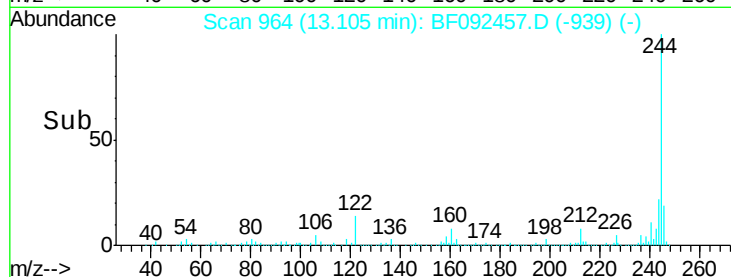
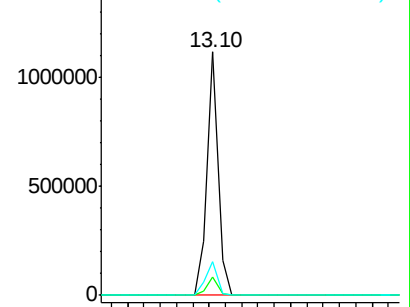
122 13.9 11.4 17.2



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: 15.63 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF092457.D

Acq: 25 Jan 2017 4:14

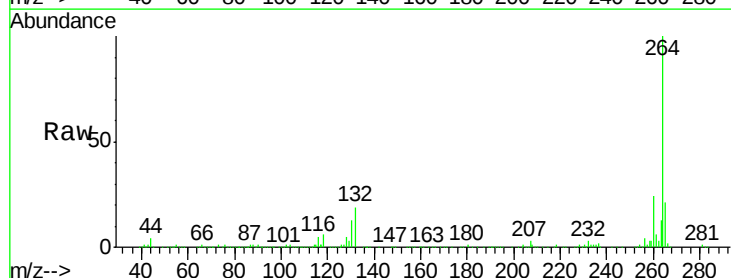
Tgt Ion:264 Resp: 309802

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.2 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

