

Data Path : Z:\HPCHEM1\BNA F\Data\BF020217\
 Data File : BF092774.D
 Acq On : 3 Feb 2017 12:30
 Operator : SJ/MA
 Sample : I1647-03RE
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 03 13:13:30 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

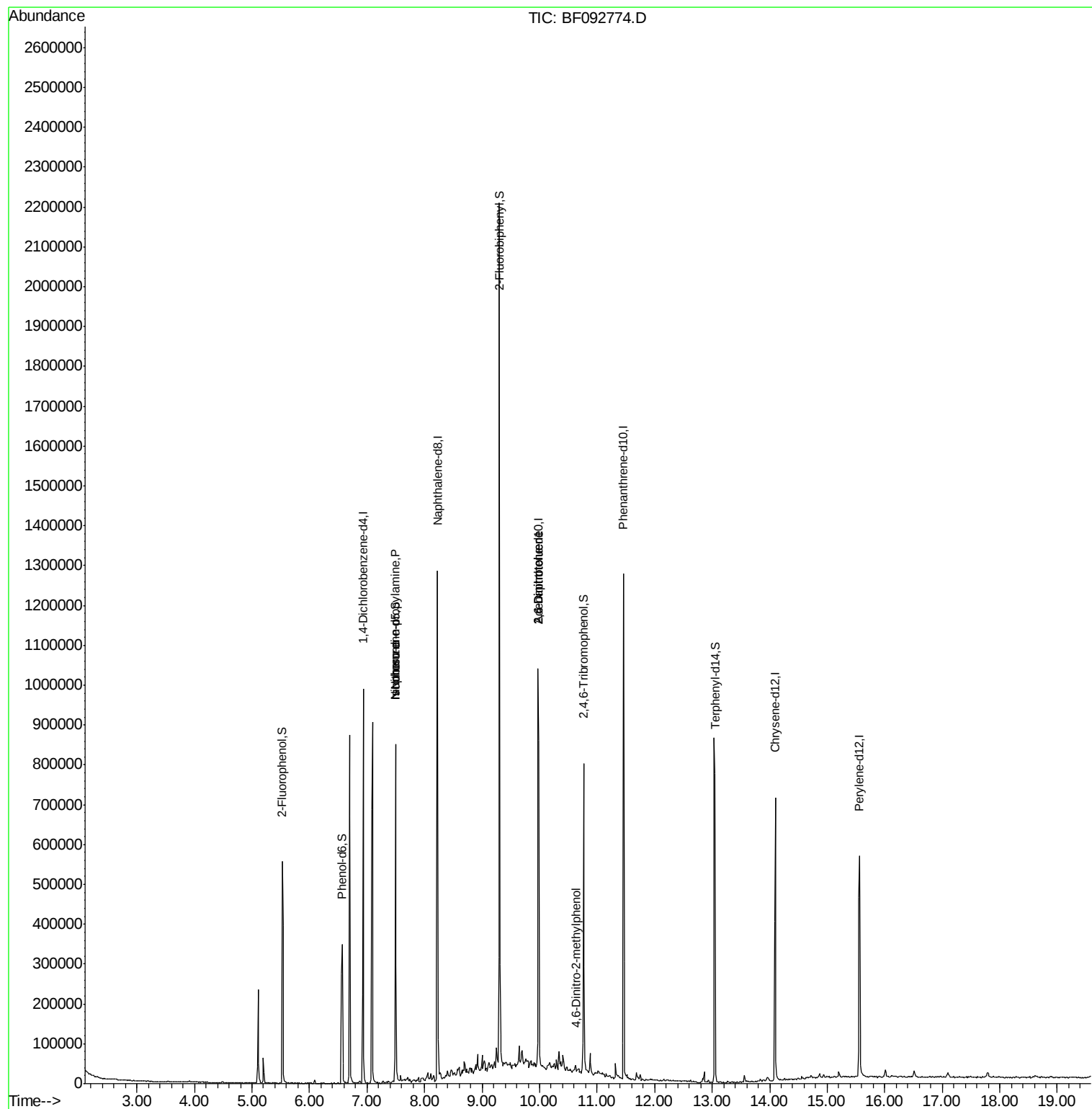
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	146441	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	560659	20.00	ng	-0.03
38) Acenaphthene-d10	9.97	164	308410	20.00	ng	-0.03
63) Phenanthrene-d10	11.46	188	454073	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	300699	20.00	ng	-0.05
86) Perylene-d12	15.56	264	299638	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	197504	23.14	ng	-0.04
7) Phenol-d6	6.57	99	161809	14.73	ng	-0.03
23) Nitrobenzene-d5	7.49	82	286513	28.46	ng	-0.05
41) 2,4,6-Tribromophenol	10.76	330	85820	38.47	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	652975	38.36	ng	-0.03
78) Terphenyl-d14	13.05	244	392960	30.71	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.49	70	37778	5.40	ng	# 85
25) Isophorone	7.49	82	267785	14.27	ng	# 65
50) 2,6-Dinitrotoluene	9.97	165	39479	8.80	ng	# 32
56) 2,4-Dinitrotoluene	9.97	165	39484	6.61	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.64	198	207	2.74	ng	# 1

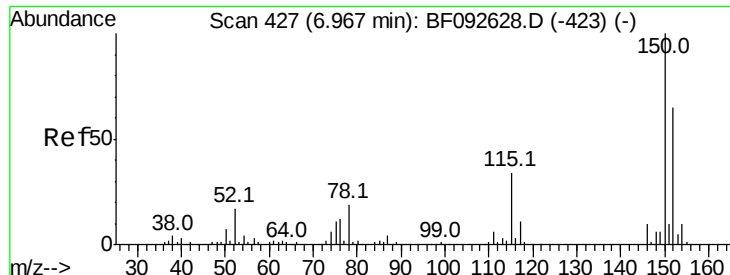
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.03 min

Lab File: BF092774.D

Acq: 3 Feb 2017 12:30

Instrument :

BNA_F

ClientSampleId :

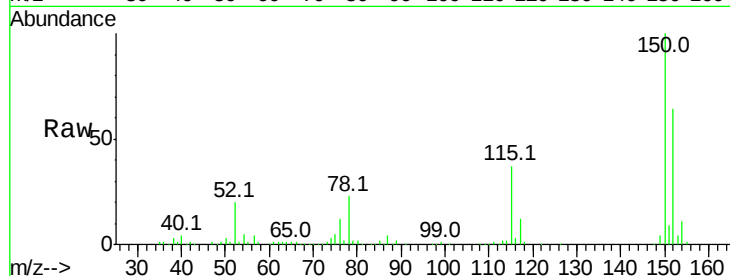
Tot Ion:152 Resp: 146441

Ion Ratio Lower Upper

152 100

150 155.8 124.9 187.3

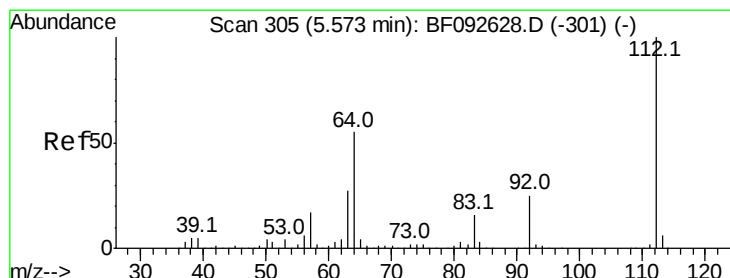
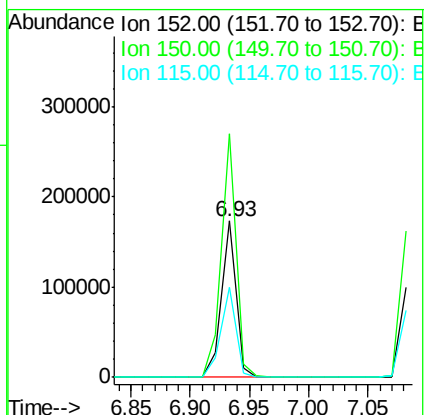
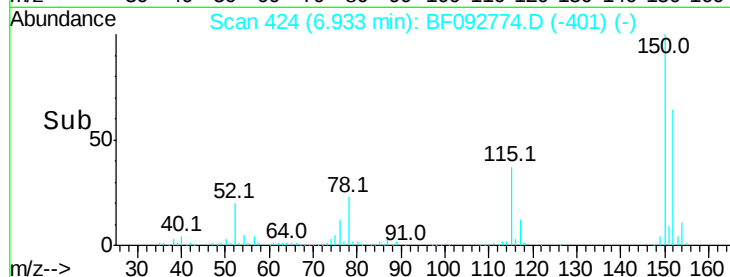
115 57.6 46.0 69.0



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: 23.14 ng

RT: 5.53 min Scan# 301

Delta R.T. -0.04 min

Lab File: BF092774.D

Acq: 3 Feb 2017 12:30

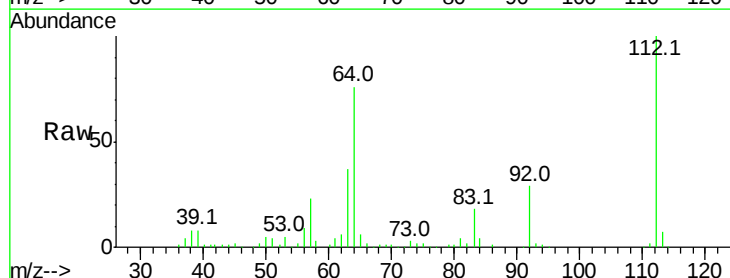
Tgt Ion:112 Resp: 197504

Ion Ratio Lower Upper

112 100

64 76.2 46.1 69.1#

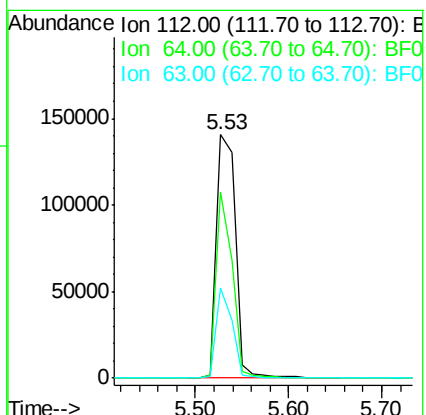
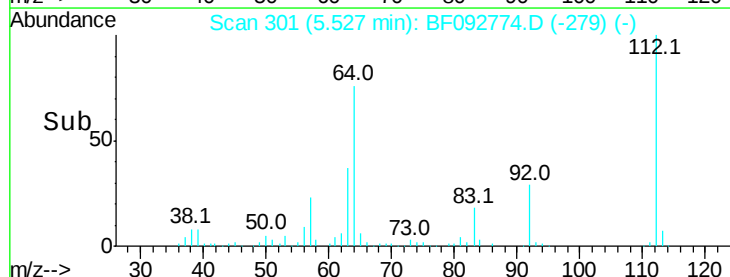
63 37.0 23.8 35.6#



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: 14.73 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF092774.D

Acq: 3 Feb 2017 12:30

Instrument :

BNA_F

ClientSampleId :

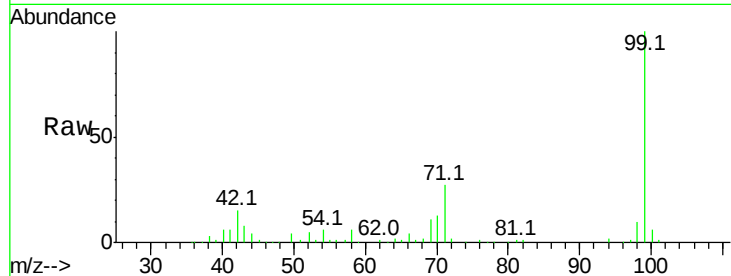
Tot Ion: 99 Resp: 161809

Ion Ratio Lower Upper

99 100

42 14.6 15.6 23.4#

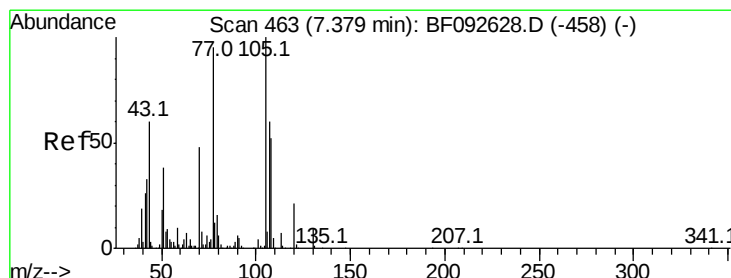
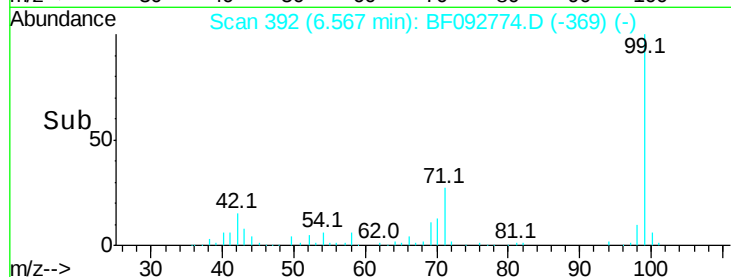
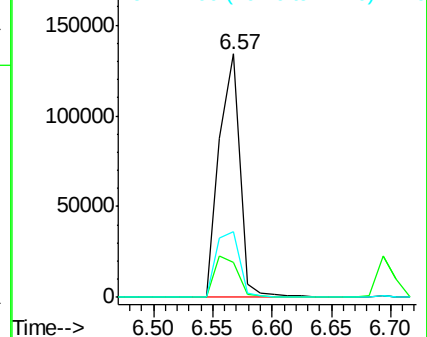
71 27.1 27.5 41.3#



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: 5.40 ng

RT: 7.49 min Scan# 473

Delta R.T. 0.11 min

Lab File: BF092774.D

Acq: 3 Feb 2017 12:30

Tgt Ion: 70 Resp: 37778

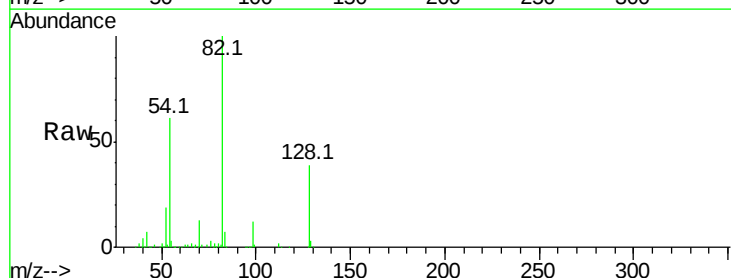
Ion Ratio Lower Upper

70 100

42 56.3 49.4 74.0

101 0.0 7.4 11.2#

130 2.5 14.2 21.4#

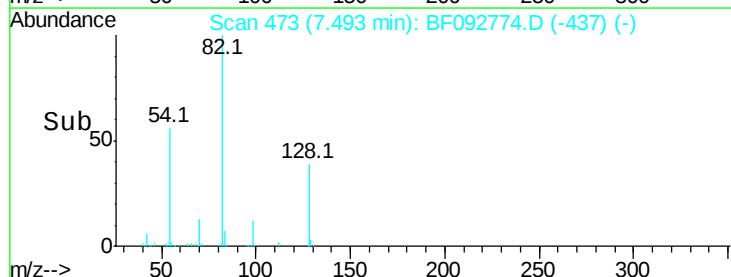
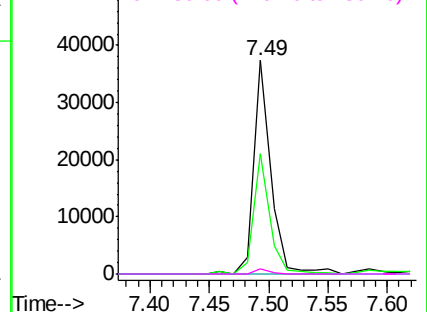


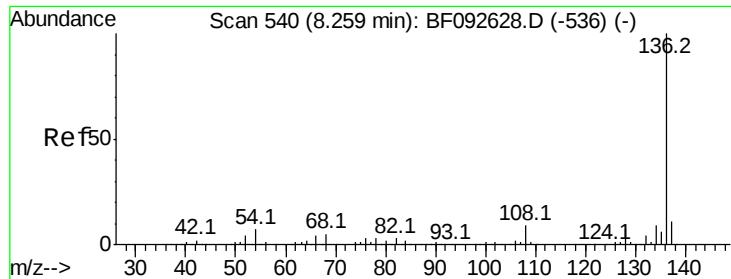
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

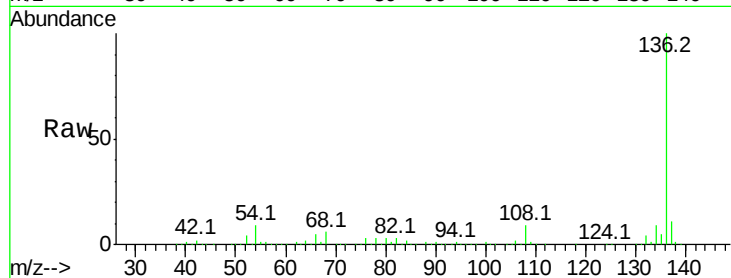




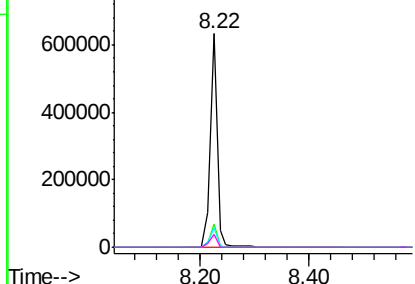
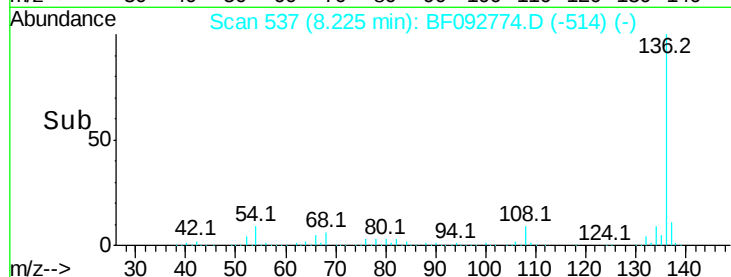
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF092774.D
Acq: 3 Feb 2017 12:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	560659
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.0	4.5	6.7#
68	6.3	3.6	5.4#

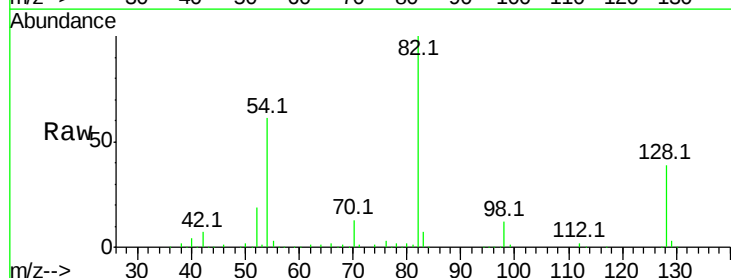


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

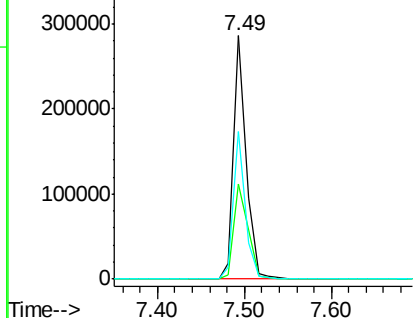
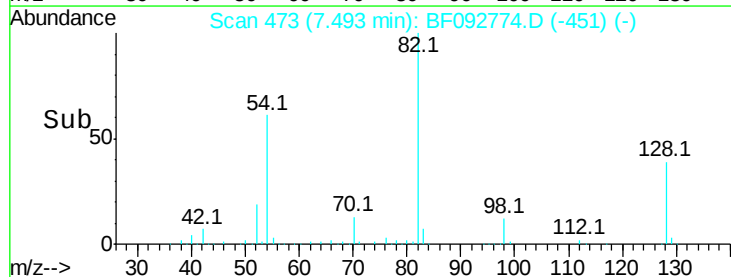


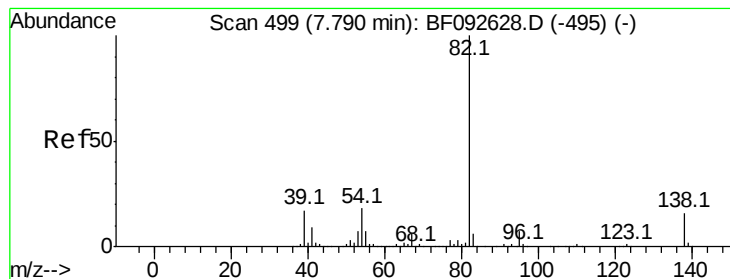
#23
Nitrobenzene-d5
Concen: 28.46 ng
RT: 7.49 min Scan# 473
Delta R.T. -0.05 min
Lab File: BF092774.D
Acq: 3 Feb 2017 12:30

Tgt Ion:	82	Resp:	286513
Ion	Ratio	Lower	Upper
82	100		
128	39.1	34.6	52.0
54	60.6	39.5	59.3#



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





#25

Isophorone

Concen: 14.27 ng

RT: 7.49 min Scan# 473

Delta R.T. -0.30 min

Lab File: BF092774.D

Acq: 3 Feb 2017 12:30

Instrument :

BNA_F

ClientSampleId :

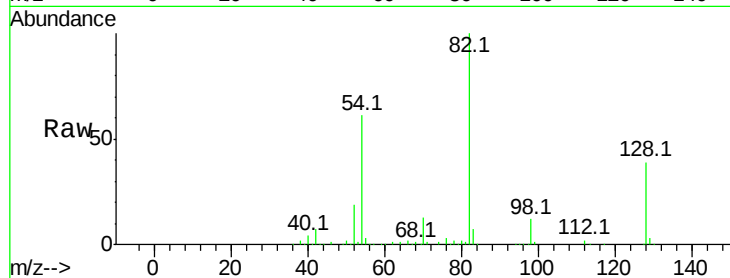
Tot Ion: 82 Resp: 267785

Ion Ratio Lower Upper

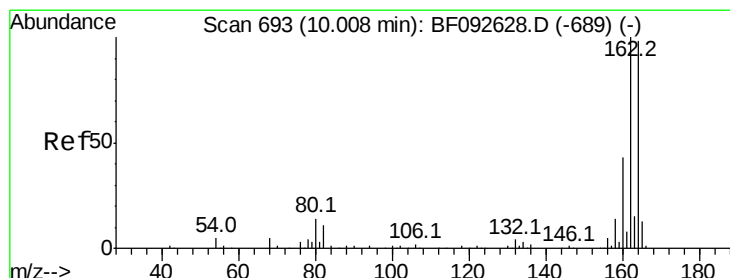
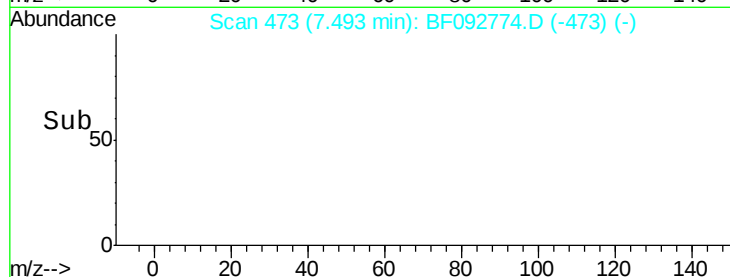
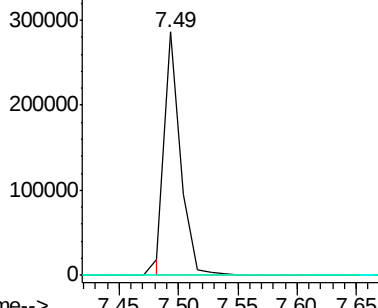
82 100

95 0.2 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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF092774.D

Acq: 3 Feb 2017 12:30

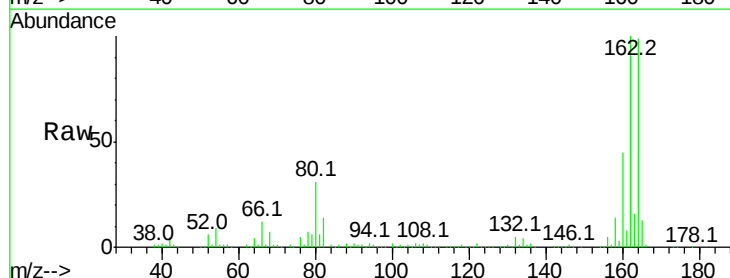
Tgt Ion:164 Resp: 308410

Ion Ratio Lower Upper

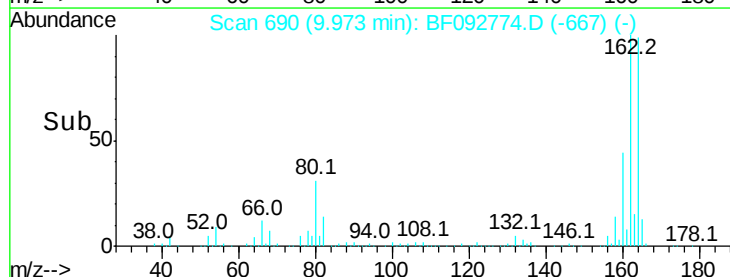
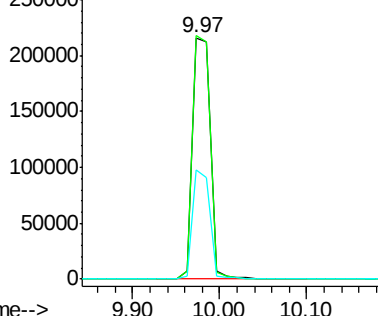
164 100

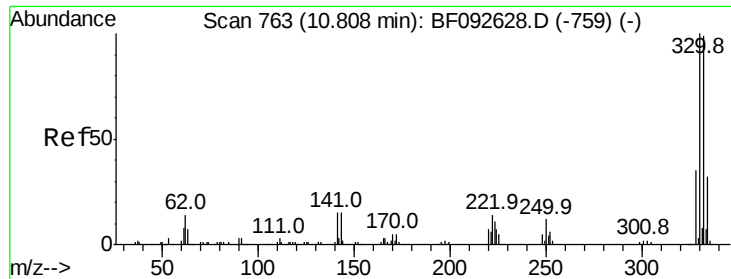
162 101.0 80.2 120.2

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

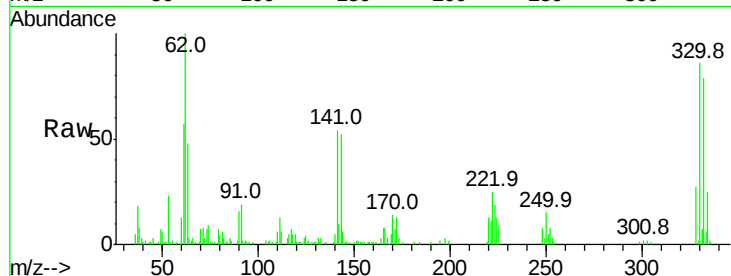




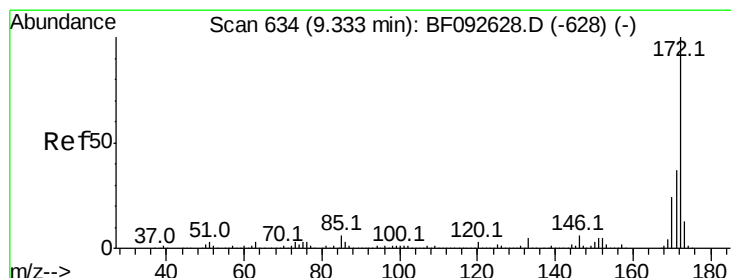
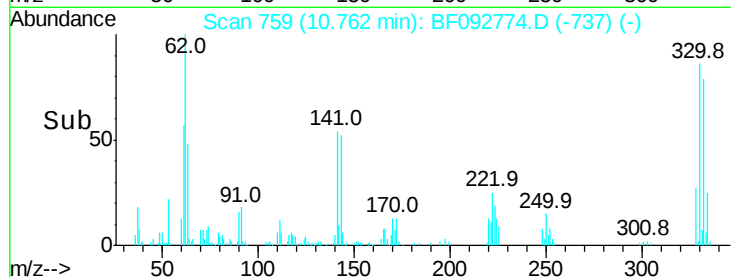
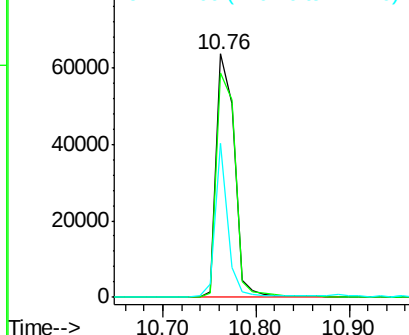
#41
 2,4,6-Tribromophenol
 Concen: 38.47 ng
 RT: 10.76 min Scan# 759
 Delta R.T. -0.05 min
 Lab File: BF092774.D
 Acq: 3 Feb 2017 12:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 85820
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 44.9 34.1 51.1

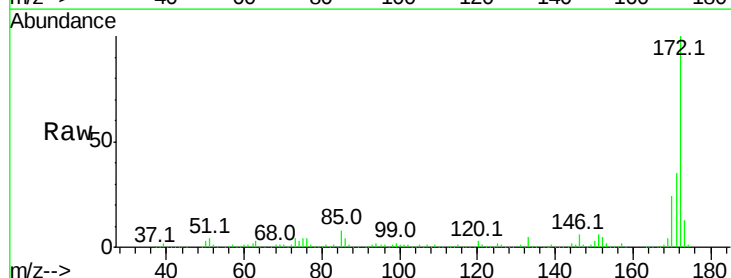


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

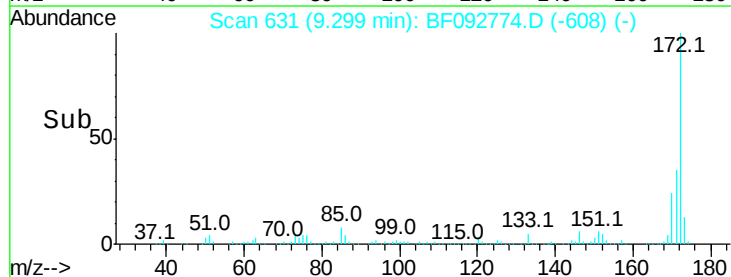
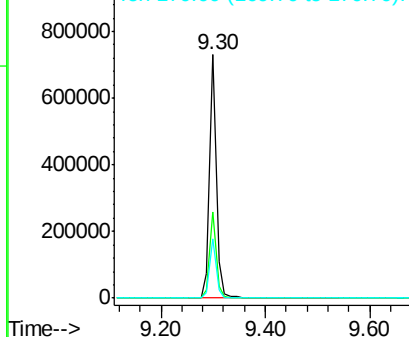


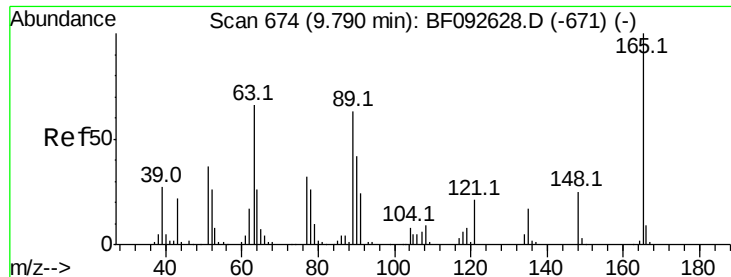
#44
 2-Fluorobiphenyl
 Concen: 38.36 ng
 RT: 9.30 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF092774.D
 Acq: 3 Feb 2017 12:30

Tgt Ion:172 Resp: 652975
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.4 44.0
 170 24.2 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

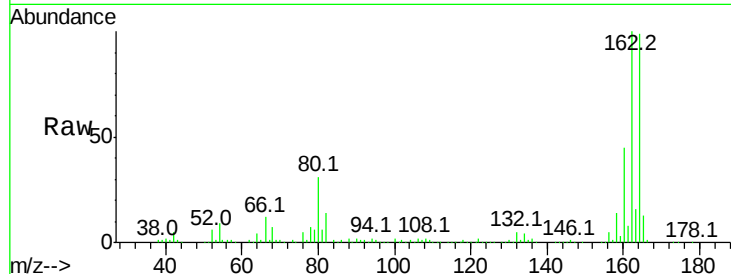




#50
 2,6-Dinitrotoluene
 Concen: 8.80 ng
 RT: 9.97 min Scan# 690
 Delta R.T. 0.18 min
 Lab File: BF092774.D
 Acq: 3 Feb 2017 12:30

Instrument :
 BNA_F
 ClientSampleId :

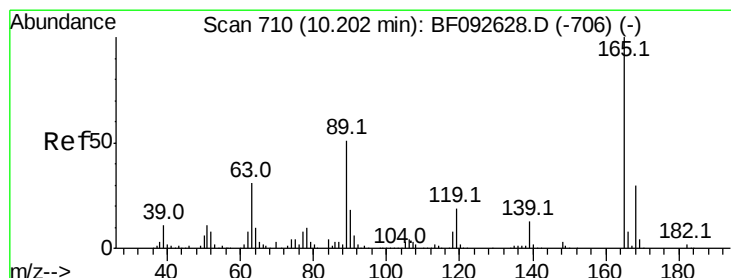
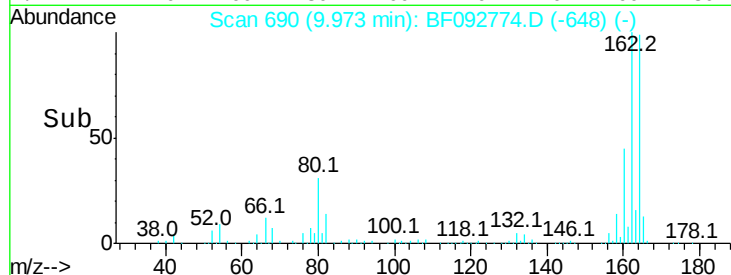
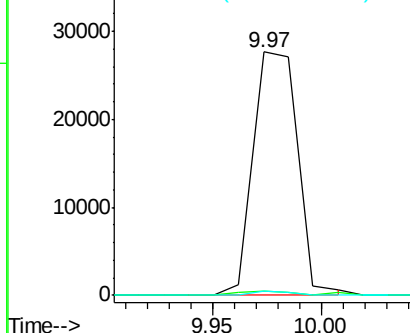
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.2	54.4#
89	1.7	40.2	60.4#



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: 6.61 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.23 min
 Lab File: BF092774.D
 Acq: 3 Feb 2017 12:30

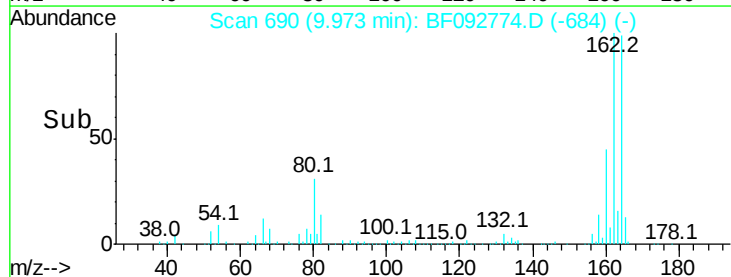
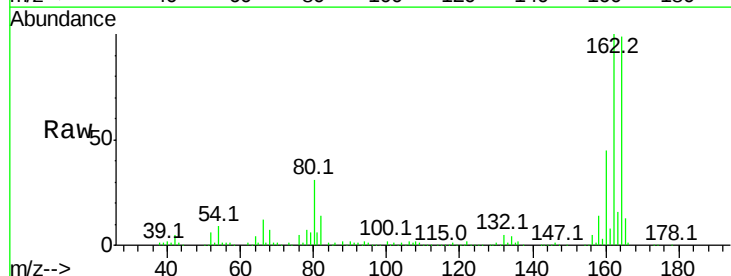
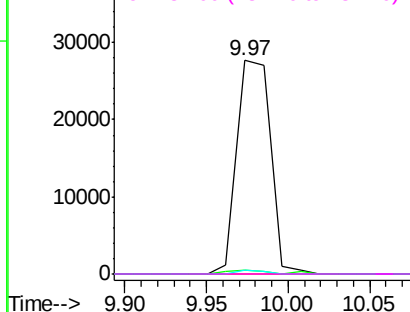
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	40.2	60.4#
89	1.7	62.5	93.7#
182	0.0	1.8	2.8#

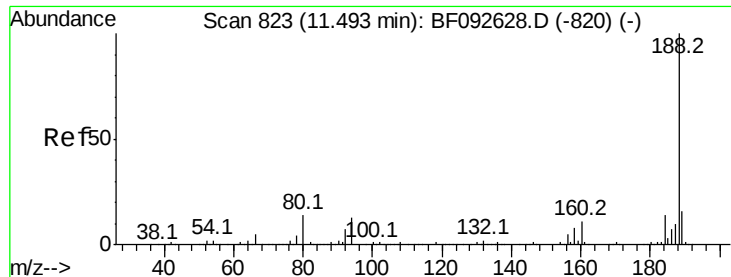
Abundance Ion 165.00 (164.70 to 165.70): E

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

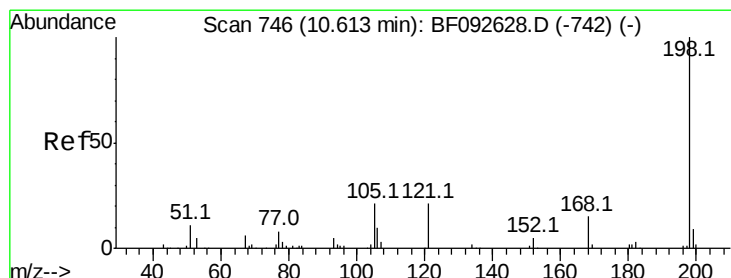
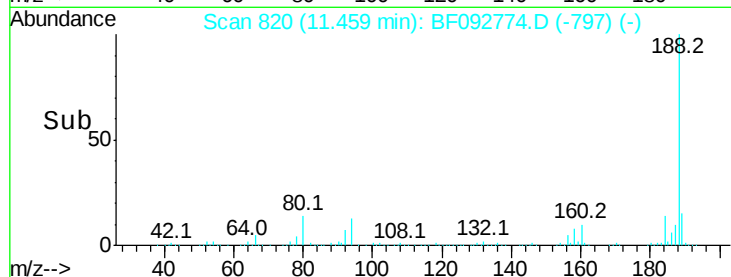
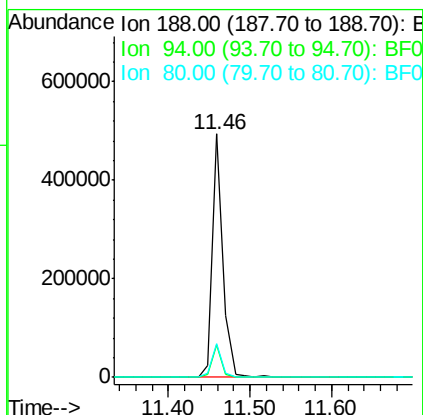
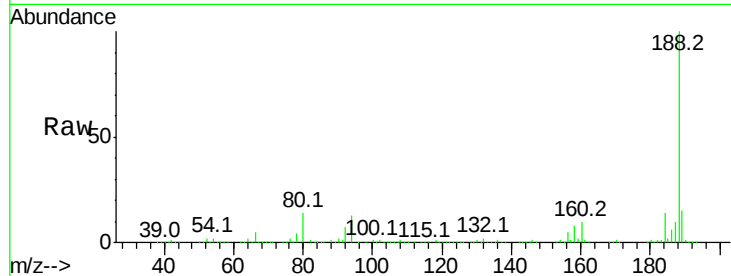




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.03 min
 Lab File: BF092774.D
 Acq: 3 Feb 2017 12:30

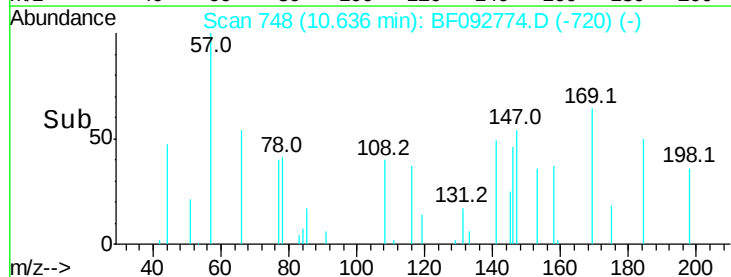
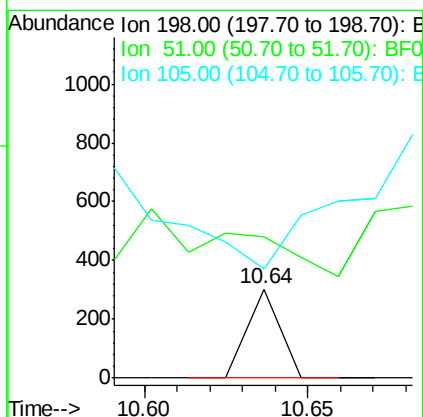
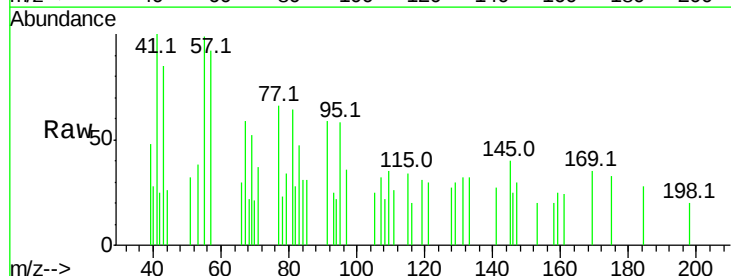
Instrument :
 BNA_F
 ClientSampled :

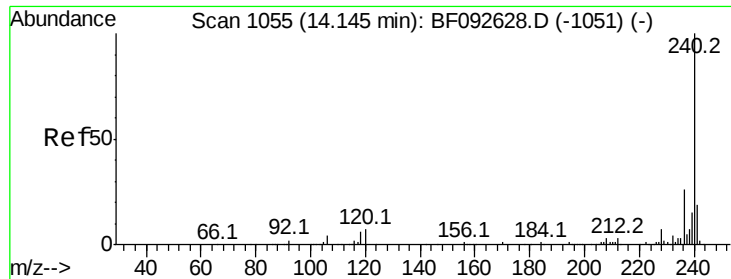
Tot Ion:188 Resp: 454073
 Ion Ratio Lower Upper
 188 100
 94 13.1 10.0 15.0
 80 14.0 11.2 16.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.74 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.02 min
 Lab File: BF092774.D
 Acq: 3 Feb 2017 12:30

Tgt Ion:198 Resp: 207
 Ion Ratio Lower Upper
 198 100
 51 159.6 6.7 46.7#
 105 123.5 16.6 56.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF092774.D

Acq: 3 Feb 2017 12:30

Instrument :

BNA_F

ClientSampleId :

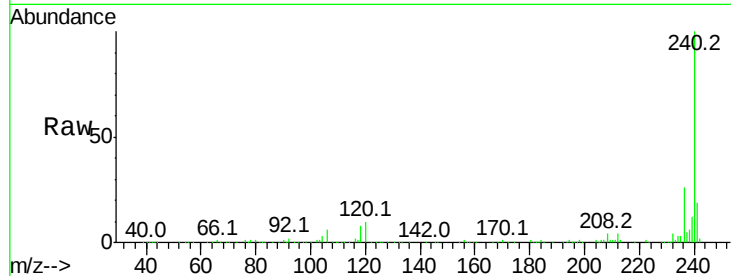
Tot Ion:240 Resp: 300699

Ion Ratio Lower Upper

240 100

120 9.5 12.9 19.3#

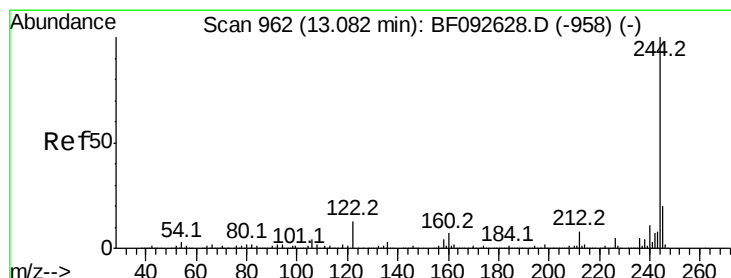
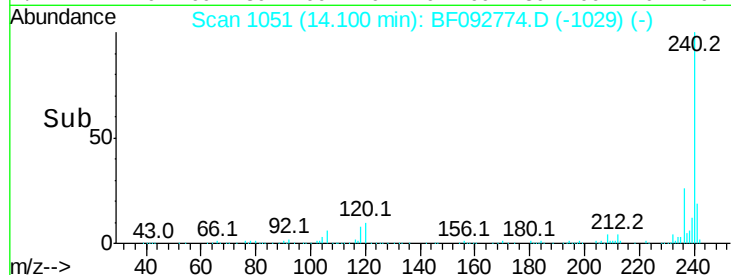
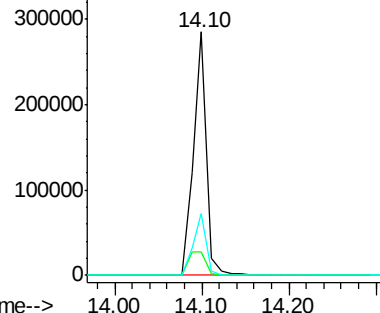
236 25.5 20.9 31.3



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: 30.71 ng

RT: 13.05 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF092774.D

Acq: 3 Feb 2017 12:30

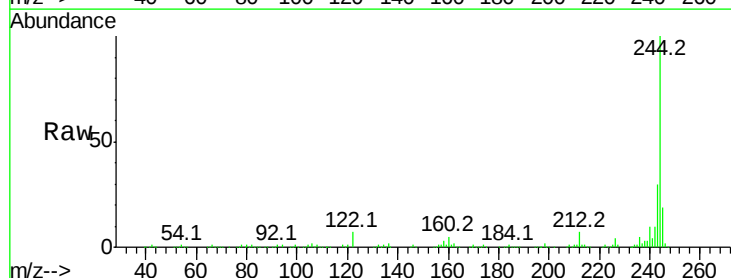
Tgt Ion:244 Resp: 392960

Ion Ratio Lower Upper

244 100

212 6.5 6.2 9.2

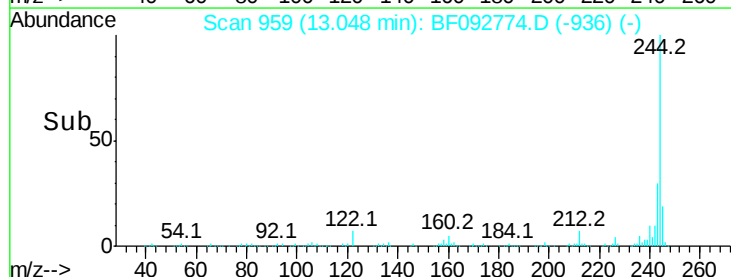
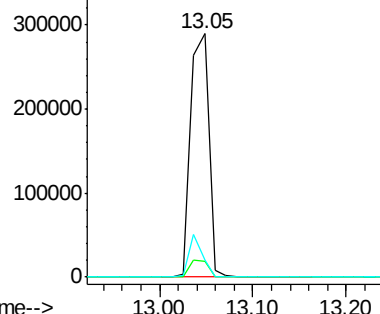
122 6.9 11.4 17.2#

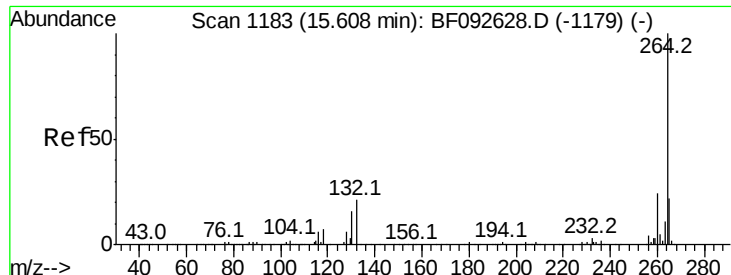


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

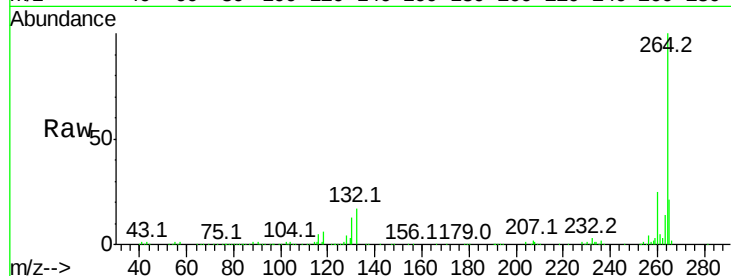




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF092774.D
 Acq: 3 Feb 2017 12:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	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

