

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021017\
 Data File : BF092908.D
 Acq On : 11 Feb 2017 6:04
 Operator : SJ/MA
 Sample : PB96842TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB96842TB

Quant Time: Feb 13 02:53:28 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

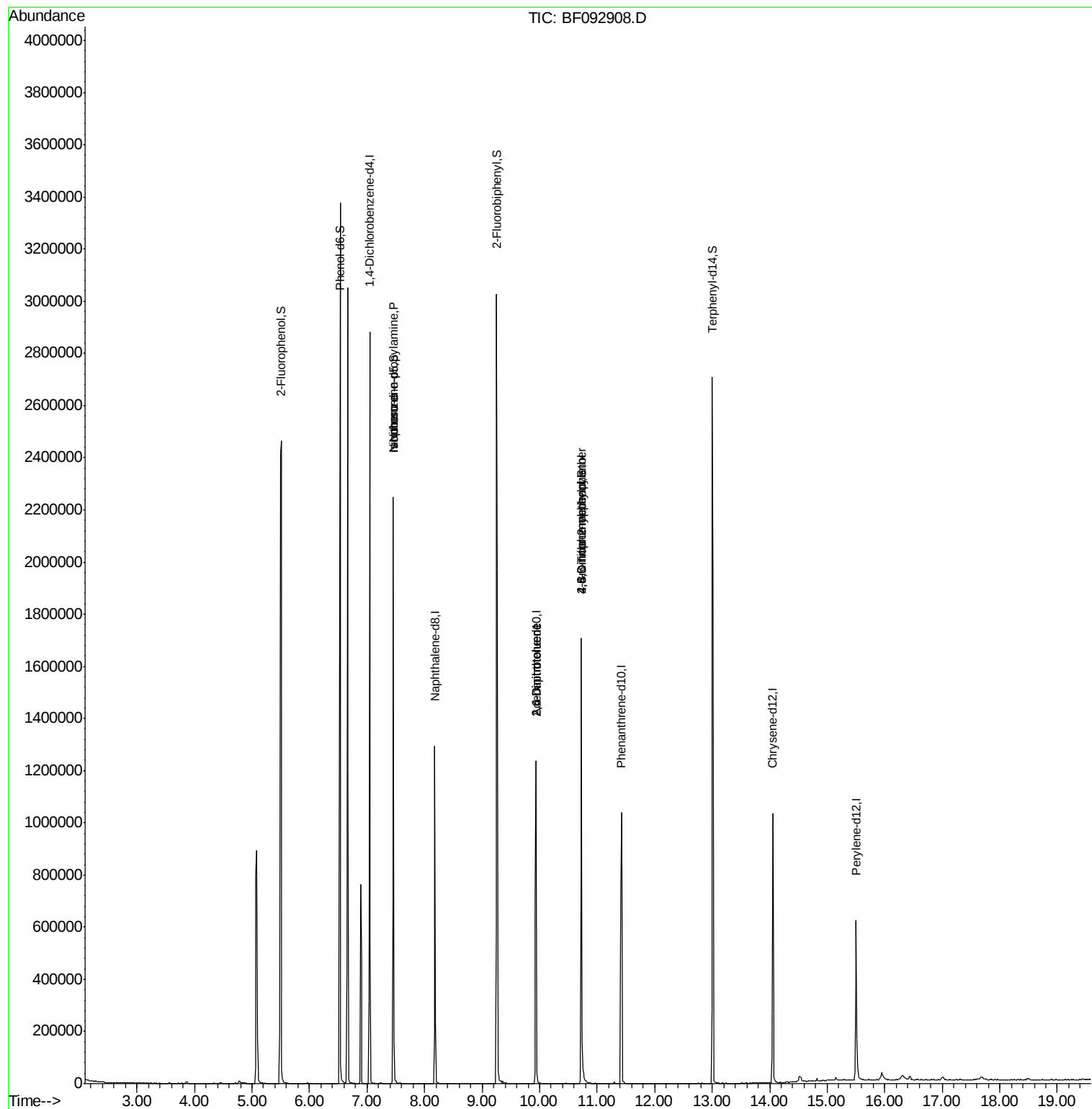
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	421282	20.00	ng	0.08
21) Naphthalene-d8	8.18	136	595399	20.00	ng	-0.08
38) Acenaphthene-d10	9.94	164	338215	20.00	ng	-0.07
63) Phenanthrene-d10	11.42	188	527703	20.00	ng	-0.07
75) Chrysene-d12	14.05	240	363651	20.00	ng	-0.09
86) Perylene-d12	15.51	264	310743	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1016828	41.41	ng	-0.07
7) Phenol-d6	6.53	99	1259633	39.87	ng	-0.07
23) Nitrobenzene-d5	7.46	82	735341	68.78	ng	-0.08
41) 2,4,6-Tribromophenol	10.73	330	235618	96.32	ng	-0.08
44) 2-Fluorobiphenyl	9.25	172	1397699	74.87	ng	-0.08
78) Terphenyl-d14	13.00	244	1164837	75.26	ng	-0.08
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	98908	4.92	ng	# 81
25) Isophorone	7.46	82	727854	36.53	ng	# 65
50) 2,6-Dinitrotoluene	9.94	165	41836	8.50	ng	# 30
56) 2,4-Dinitrotoluene	9.94	165	41839	6.39	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.73	198	445	2.80	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	17376	3.15	ng	# 1

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

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QLast Update : Mon Jan 30 14:50:05 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.08 min

Lab File: BF092908.D

Acq: 11 Feb 2017 6:04

Instrument :

BNA_F

ClientSampleId :

PB96842TB

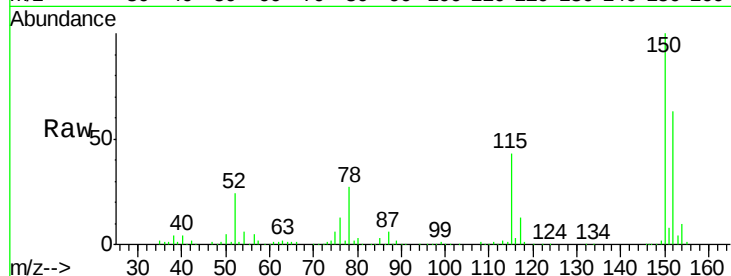
Tgt Ion:152 Resp: 421282

Ion Ratio Lower Upper

152 100

150 157.7 124.9 187.3

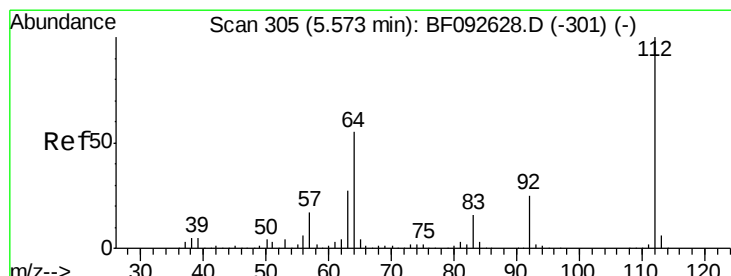
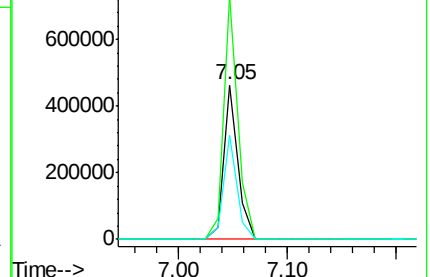
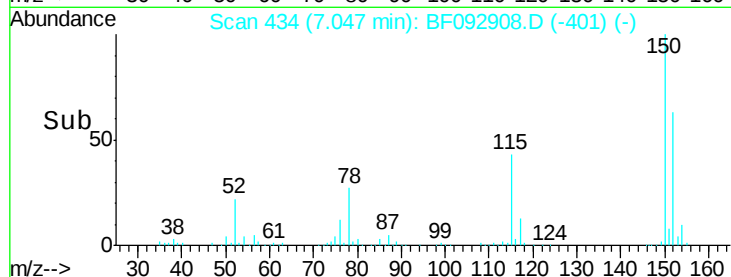
115 67.7 46.0 69.0



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: 41.41 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.07 min

Lab File: BF092908.D

Acq: 11 Feb 2017 6:04

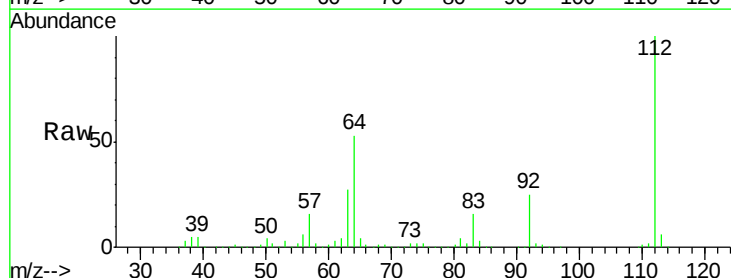
Tgt Ion:112 Resp: 1016828

Ion Ratio Lower Upper

112 100

64 53.5 46.1 69.1

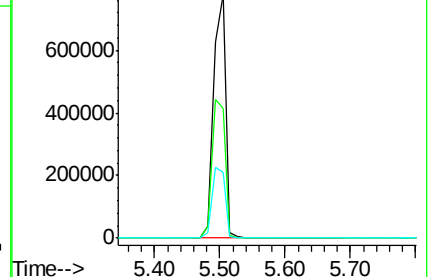
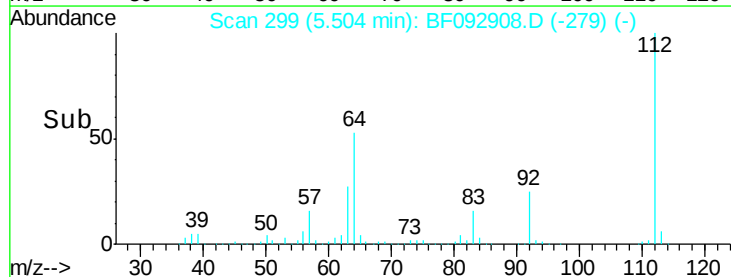
63 27.0 23.8 35.6

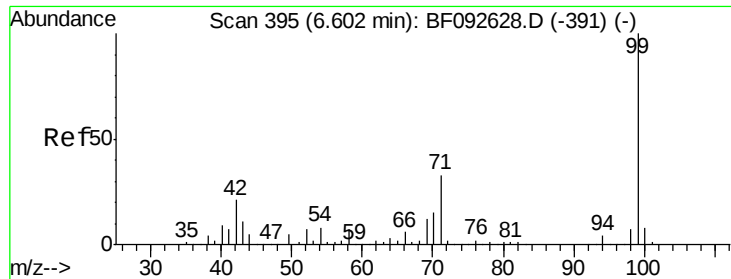


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.87 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.07 min

Lab File: BF092908.D

Acq: 11 Feb 2017 6:04

Instrument :

BNA_F

ClientSampleId :

PB96842TB

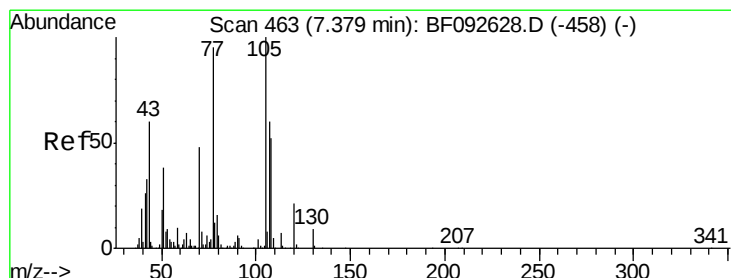
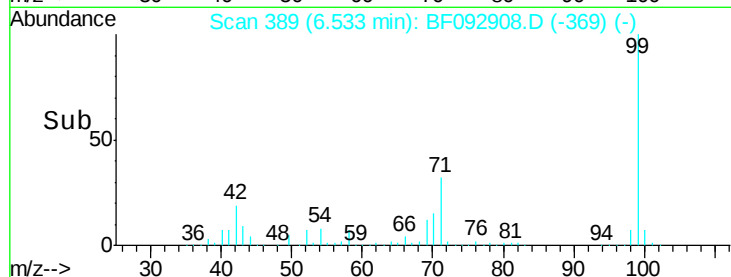
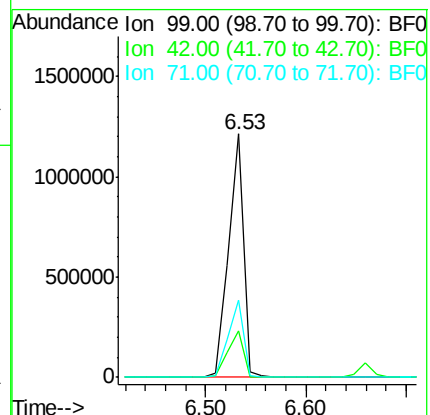
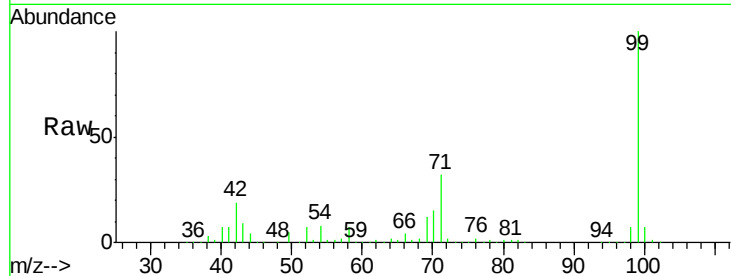
Tgt Ion: 99 Resp: 1259633

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

71 32.0 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 4.92 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.08 min

Lab File: BF092908.D

Acq: 11 Feb 2017 6:04

Tgt Ion: 70 Resp: 98908

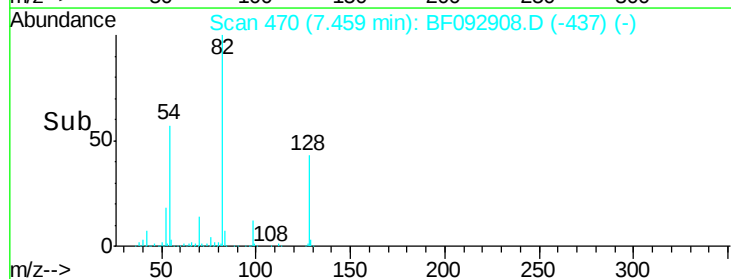
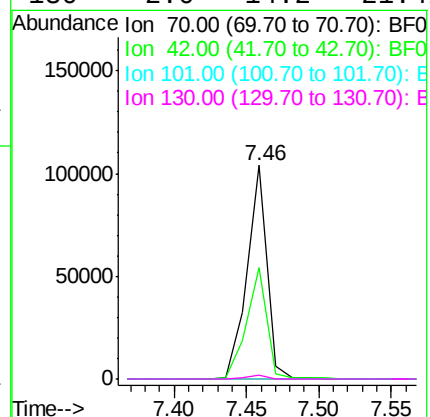
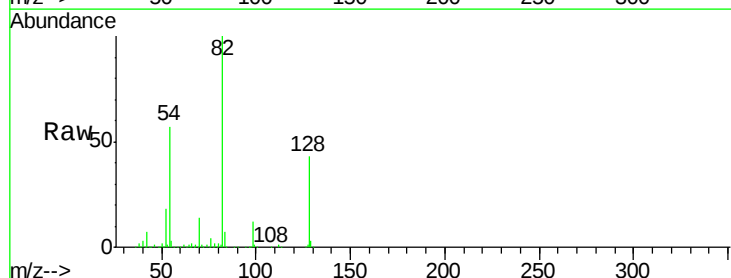
Ion Ratio Lower Upper

70 100

42 52.1 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

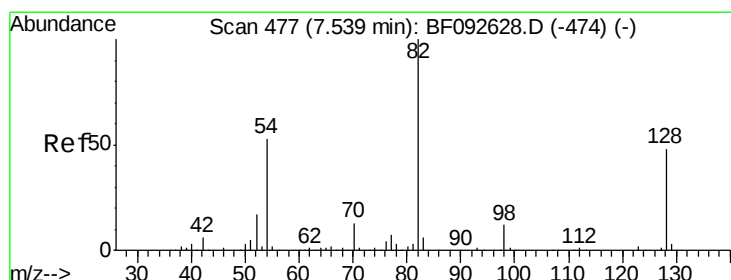
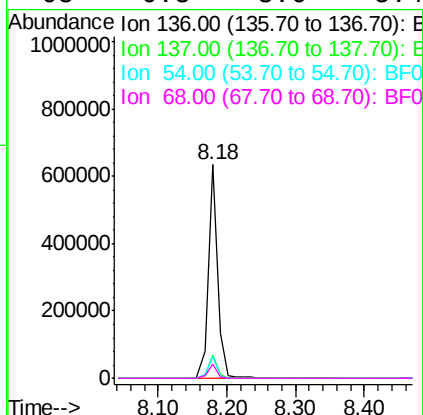
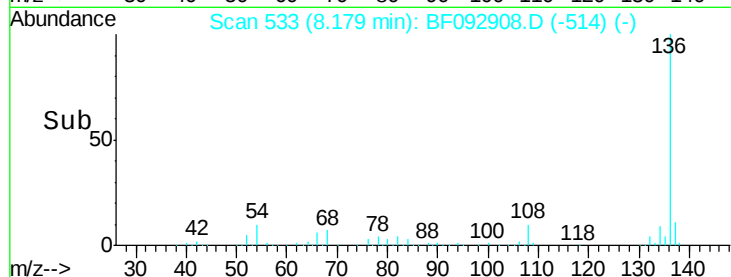
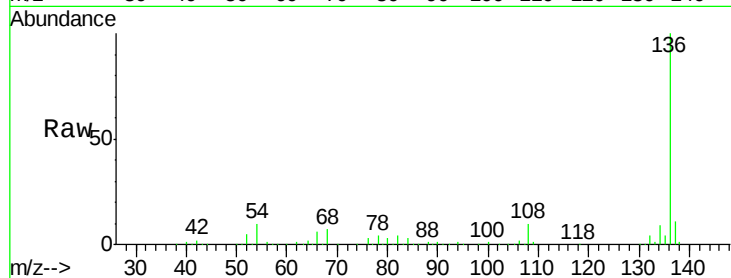




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.08 min
Lab File: BF092908.D
Acq: 11 Feb 2017 6:04

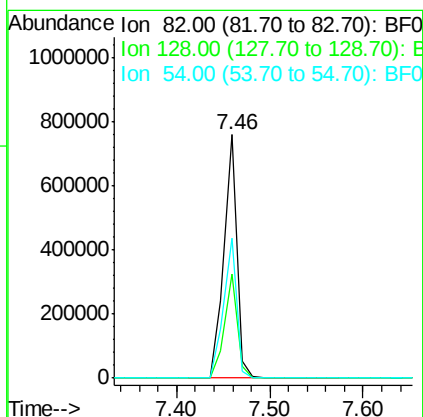
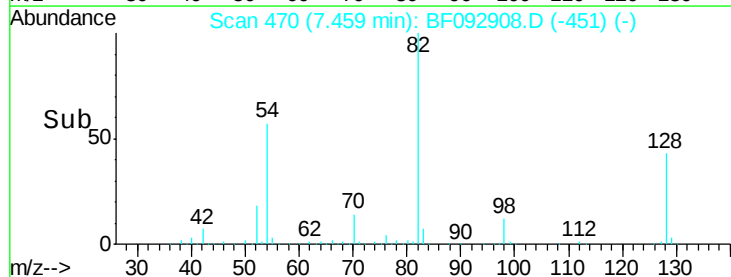
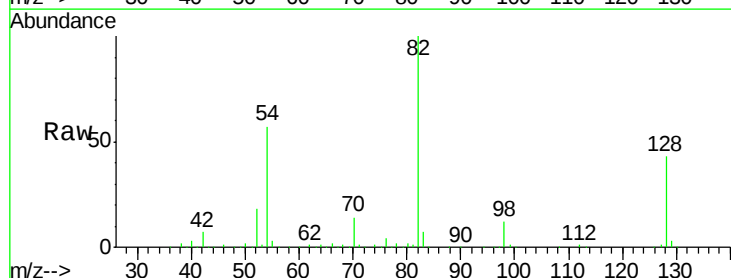
Instrument :
BNA_F
ClientSampleId :
PB96842TB

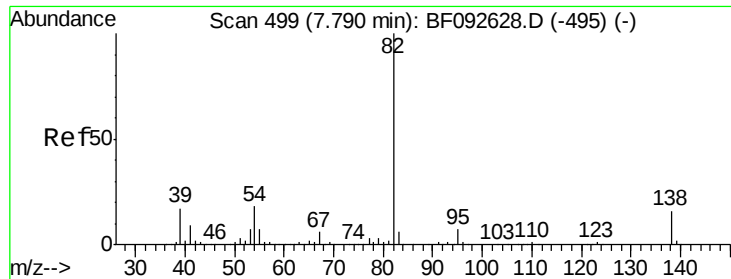
Tgt Ion:	136	Resp:	595399
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	10.1	4.5	6.7#
68	6.8	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 68.78 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.08 min
Lab File: BF092908.D
Acq: 11 Feb 2017 6:04

Tgt Ion:	82	Resp:	735341
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.6	52.0
54	57.5	39.5	59.3





#25

Isophorone

Concen: 36.53 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.33 min

Lab File: BF092908.D

Acq: 11 Feb 2017 6:04

Instrument :

BNA_F

ClientSampleId :

PB96842TB

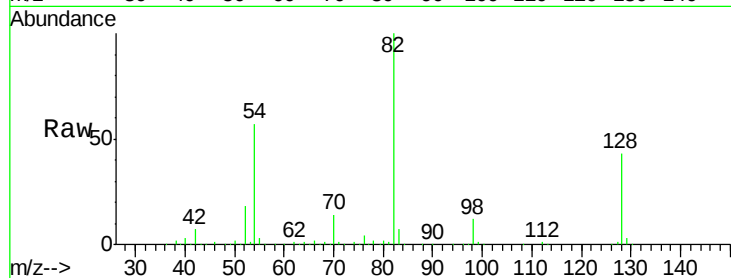
Tgt Ion: 82 Resp: 727854

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

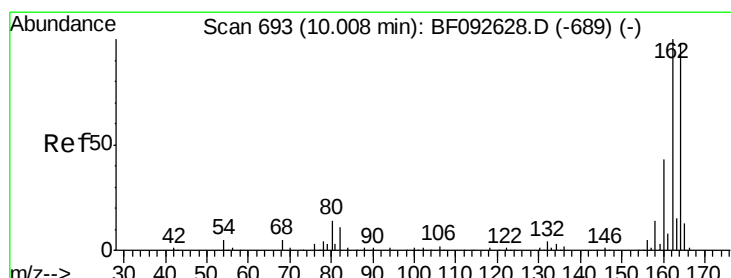
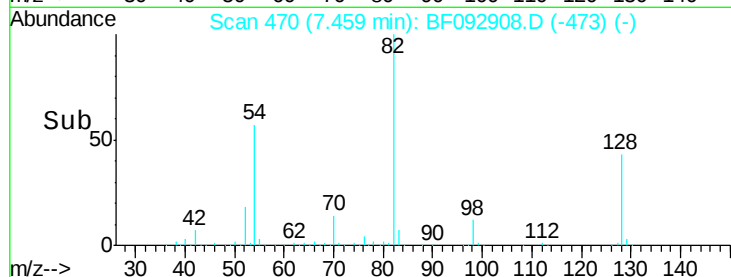
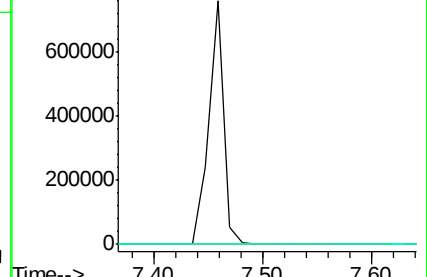
138 0.0 14.6 22.0#



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: 9.94 min Scan# 687

Delta R.T. -0.07 min

Lab File: BF092908.D

Acq: 11 Feb 2017 6:04

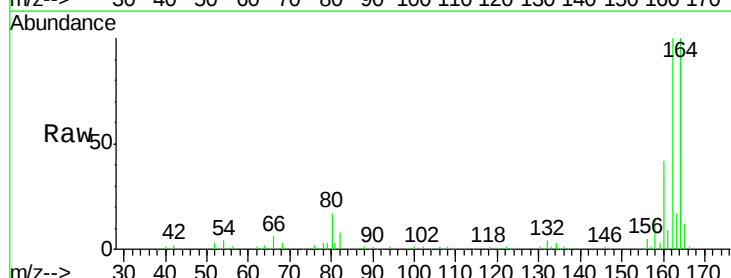
Tgt Ion: 164 Resp: 338215

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.2

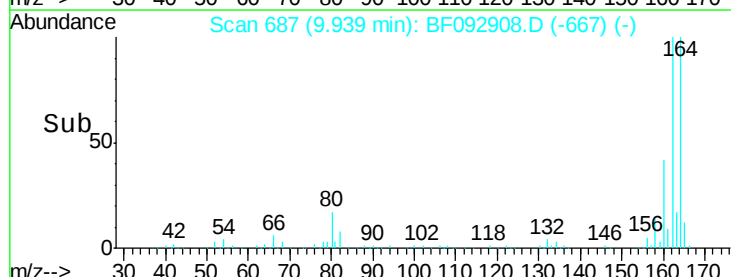
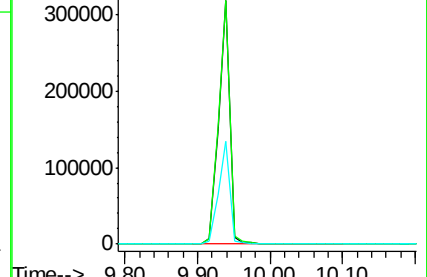
160 42.1 36.9 55.3

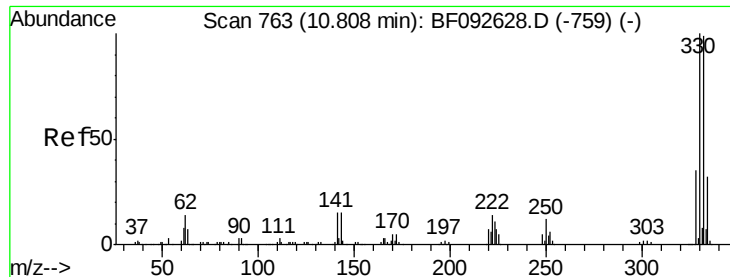


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

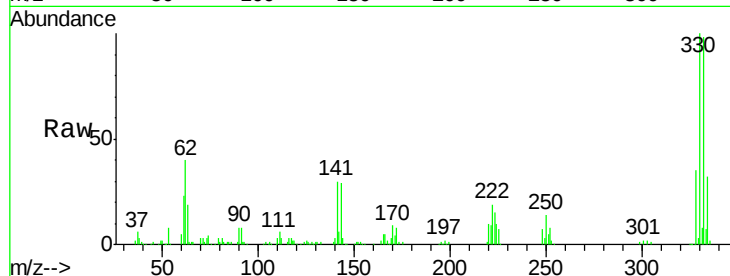




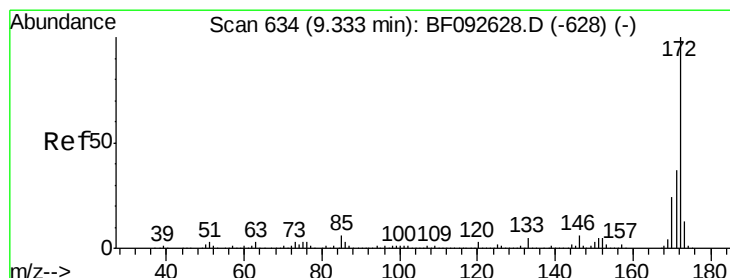
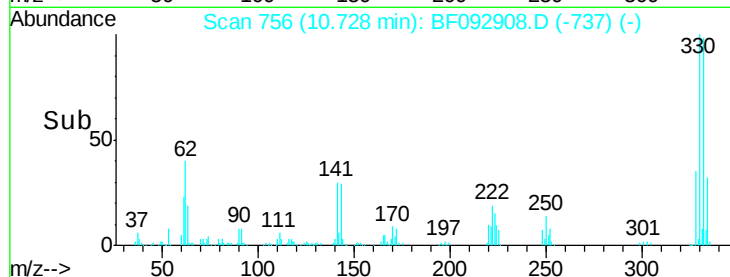
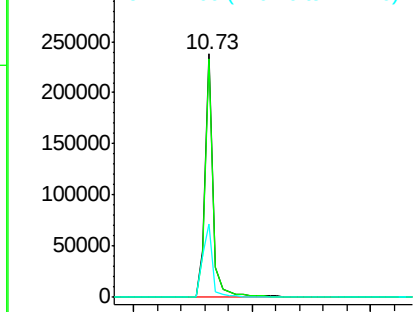
#41
 2,4,6-Tribromophenol
 Concen: 96.32 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.08 min
 Lab File: BF092908.D
 Acq: 11 Feb 2017 6:04

Instrument :
 BNA_F
 ClientSampleId :
 PB96842TB

Tgt Ion: 330 Resp: 235618
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.4 116.2
 141 36.9 34.1 51.1

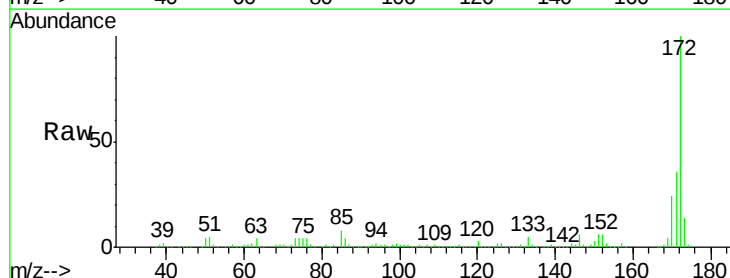


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

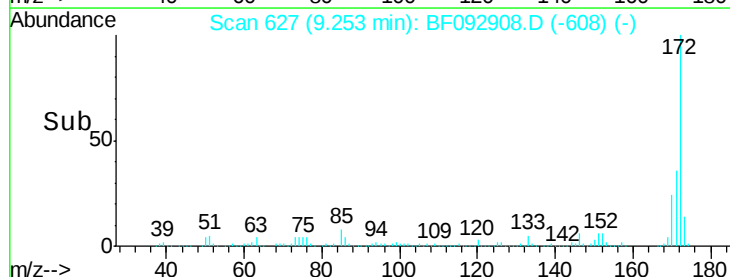
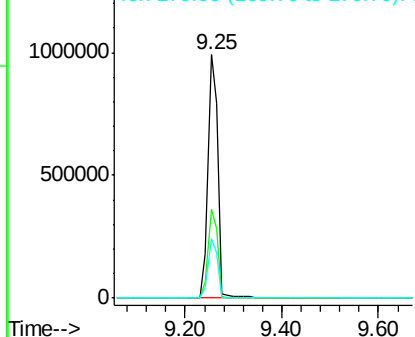


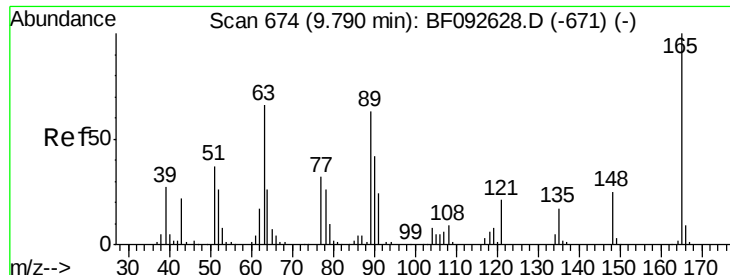
#44
 2-Fluorobiphenyl
 Concen: 74.87 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.08 min
 Lab File: BF092908.D
 Acq: 11 Feb 2017 6:04

Tgt Ion: 172 Resp: 1397699
 Ion Ratio Lower Upper
 172 100
 171 36.4 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

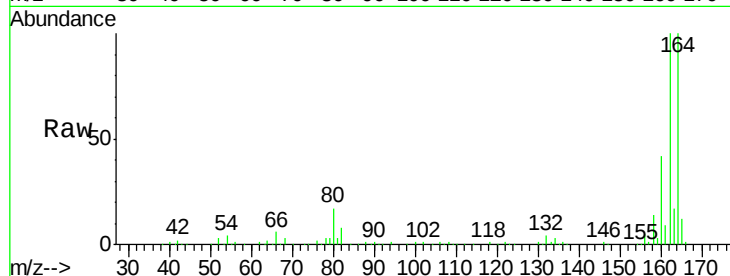




#50
 2,6-Dinitrotoluene
 Concen: 8.50 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.15 min
 Lab File: BF092908.D
 Acq: 11 Feb 2017 6:04

Instrument :
 BNA_F
 ClientSampleId :
 PB96842TB

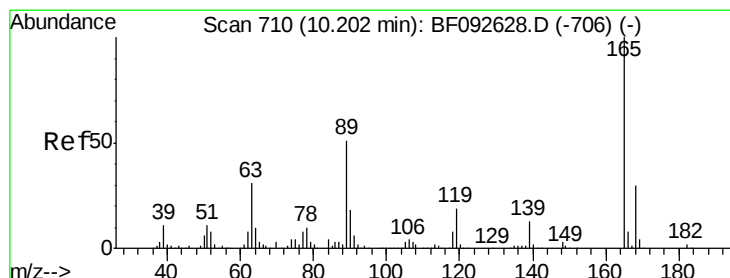
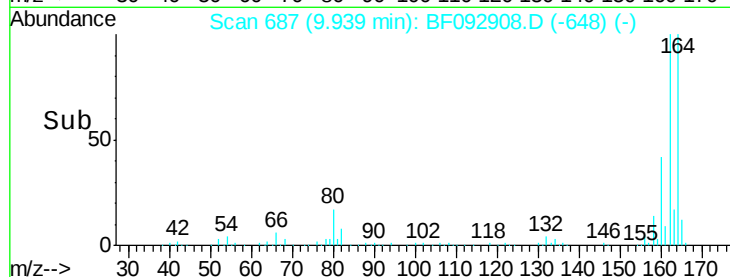
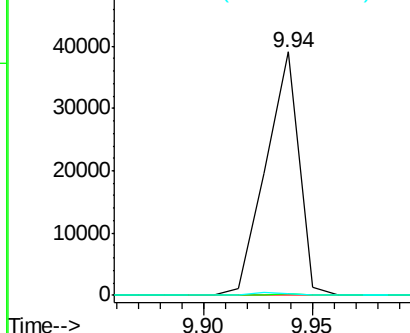
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.2	54.4#
89	0.8	40.2	60.4#



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: 6.39 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.26 min
 Lab File: BF092908.D
 Acq: 11 Feb 2017 6:04

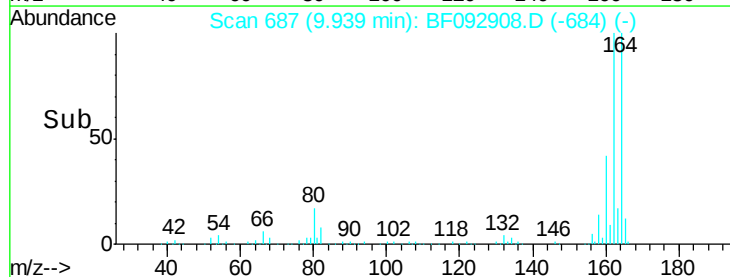
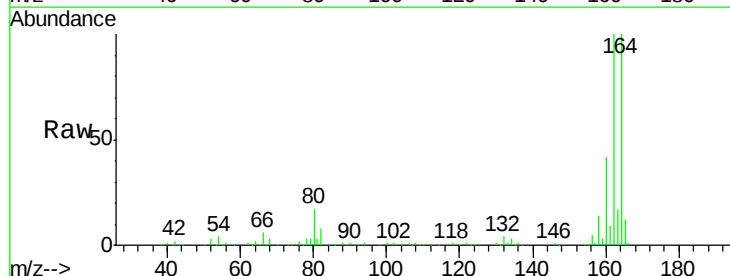
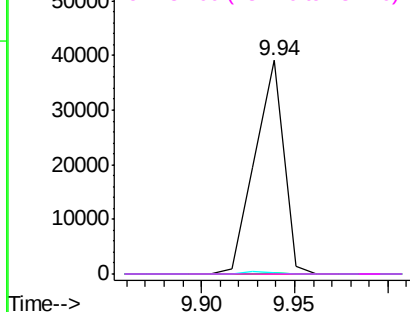
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	0.8	62.5	93.7#
182	0.0	1.8	2.8#

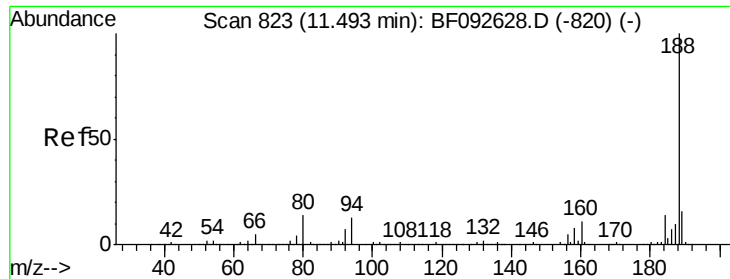
Abundance Ion 165.00 (164.70 to 165.70): E

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

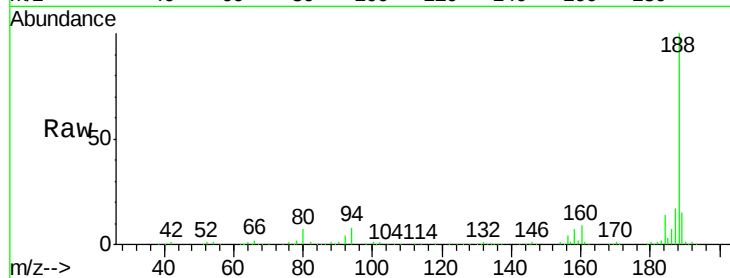




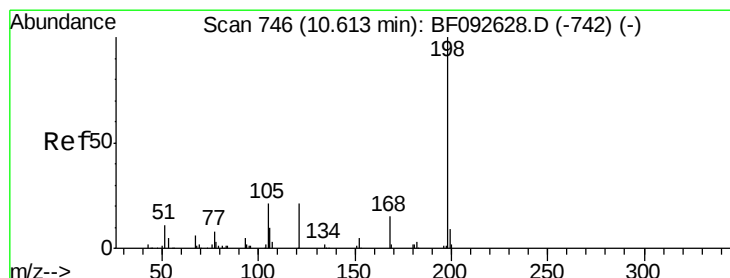
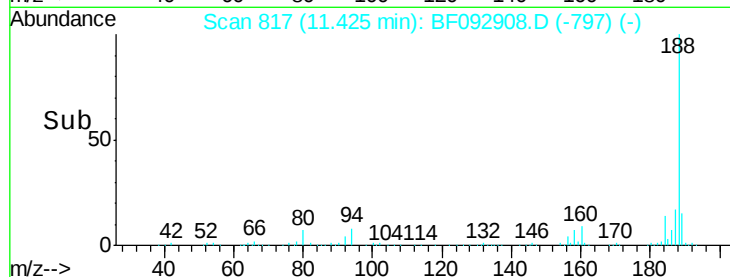
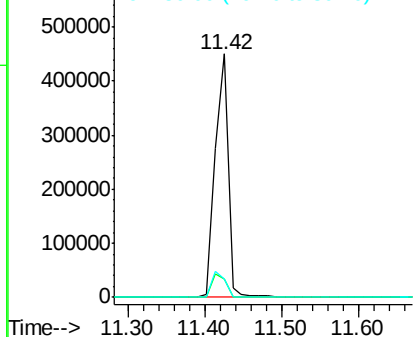
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 817
 Delta R.T. -0.07 min
 Lab File: BF092908.D
 Acq: 11 Feb 2017 6:04

Instrument :
 BNA_F
 ClientSampleId :
 PB96842TB

Tgt Ion:188 Resp: 527703
 Ion Ratio Lower Upper
 188 100
 94 7.5 10.0 15.0#
 80 7.4 11.2 16.8#

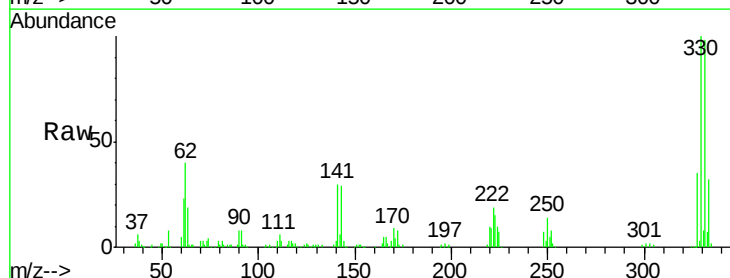


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

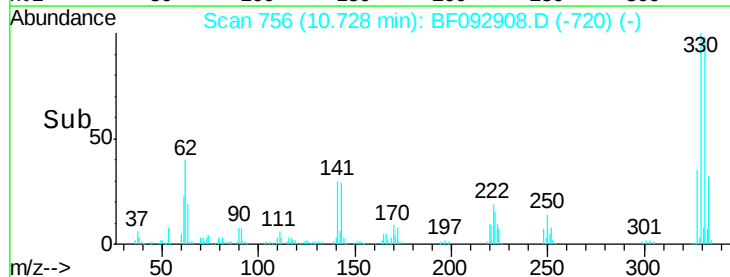
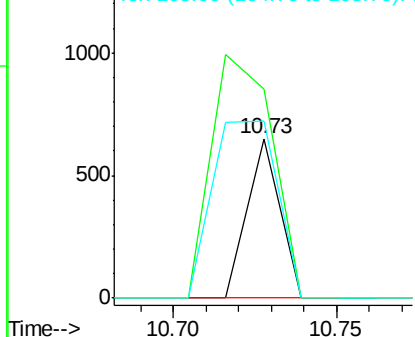


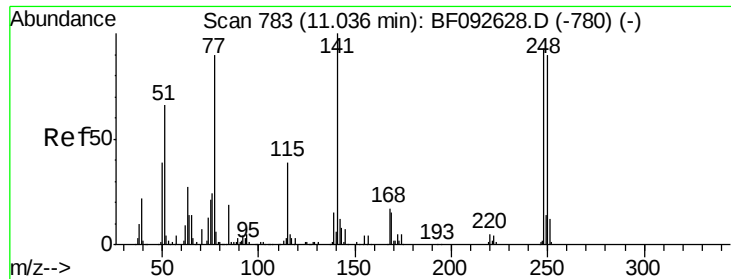
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.80 ng
 RT: 10.73 min Scan# 756
 Delta R.T. 0.11 min
 Lab File: BF092908.D
 Acq: 11 Feb 2017 6:04

Tgt Ion:198 Resp: 445
 Ion Ratio Lower Upper
 198 100
 51 131.4 6.7 46.7#
 105 111.4 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

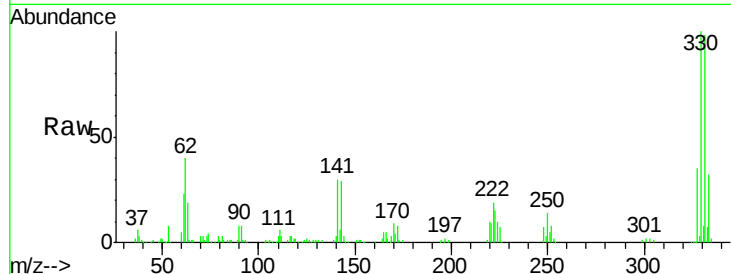




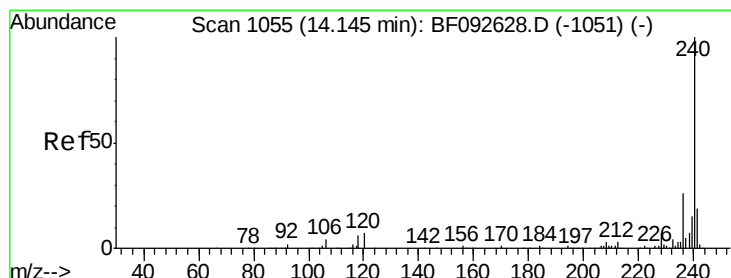
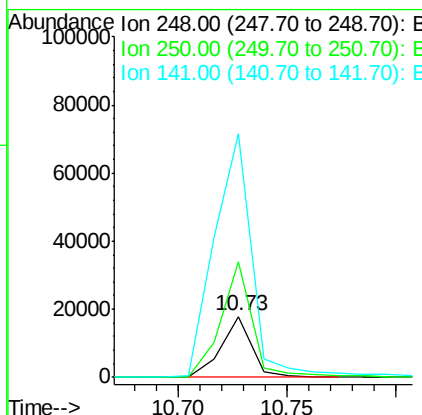
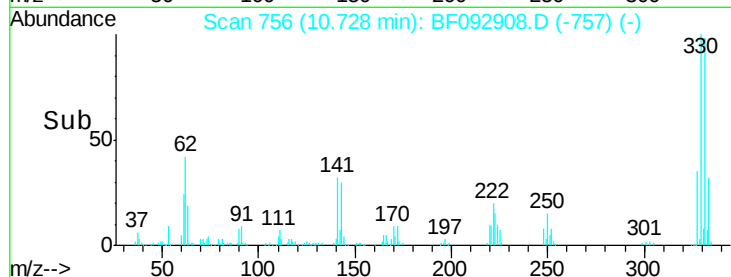
#66
 4-Bromophenyl-phenylether
 Concen: 3.15 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.31 min
 Lab File: BF092908.D
 Acq: 11 Feb 2017 6:04

Instrument :
 BNA_F
 ClientSampleId :
 PB96842TB

Tgt Ion:248 Resp: 17376
 Ion Ratio Lower Upper
 248 100
 250 190.7 76.9 115.3#
 141 401.7 68.2 102.4#

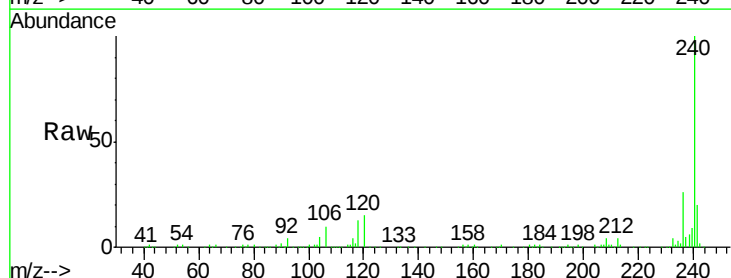


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

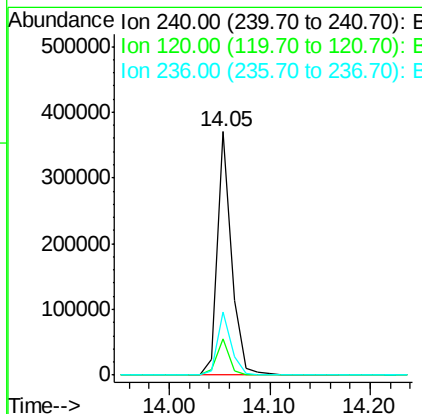
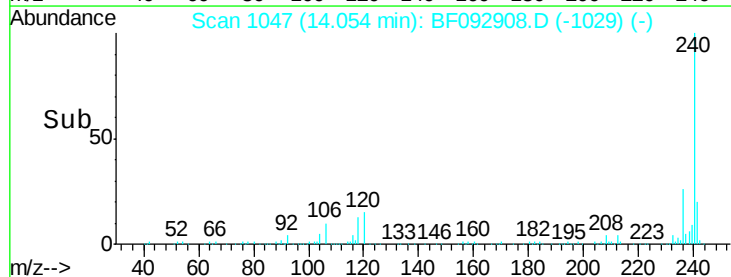


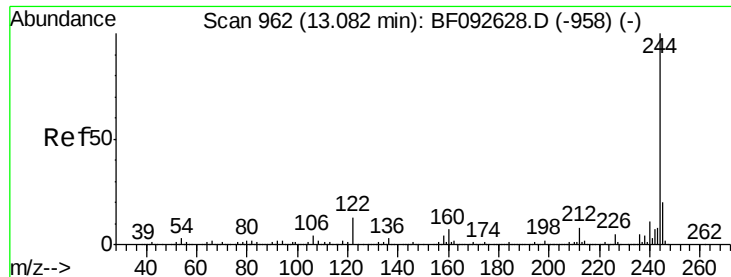
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.09 min
 Lab File: BF092908.D
 Acq: 11 Feb 2017 6:04

Tgt Ion:240 Resp: 363651
 Ion Ratio Lower Upper
 240 100
 120 14.8 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: 75.26 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.08 min

Lab File: BF092908.D

Acq: 11 Feb 2017 6:04

Instrument :

BNA_F

ClientSampleId :

PB96842TB

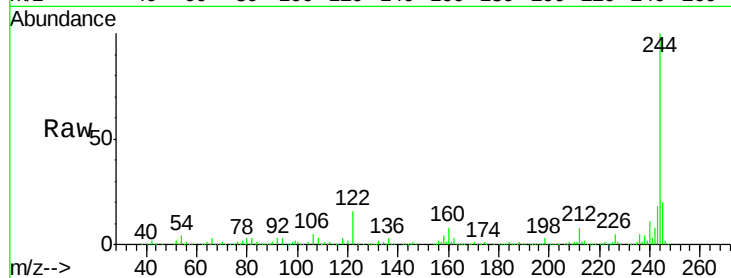
Tgt Ion:244 Resp: 1164837

Ion Ratio Lower Upper

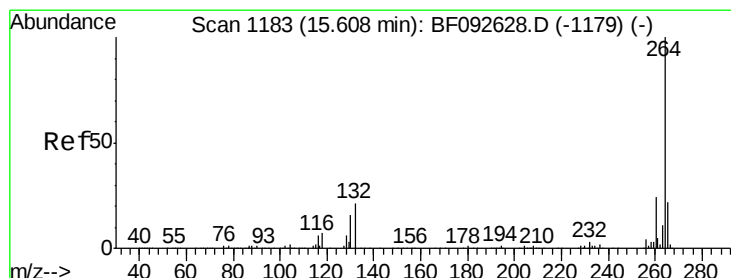
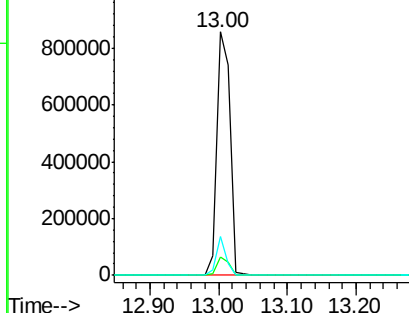
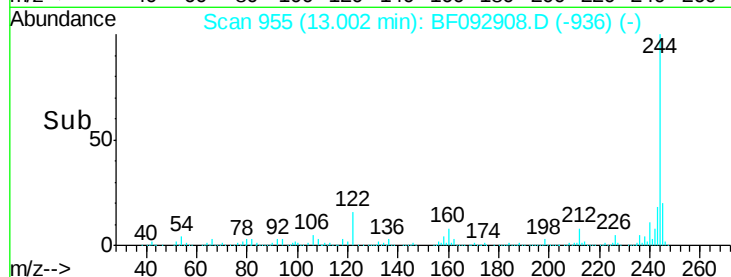
244 100

212 7.6 6.2 9.2

122 16.1 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: 15.51 min Scan# 1174

Delta R.T. -0.10 min

Lab File: BF092908.D

Acq: 11 Feb 2017 6:04

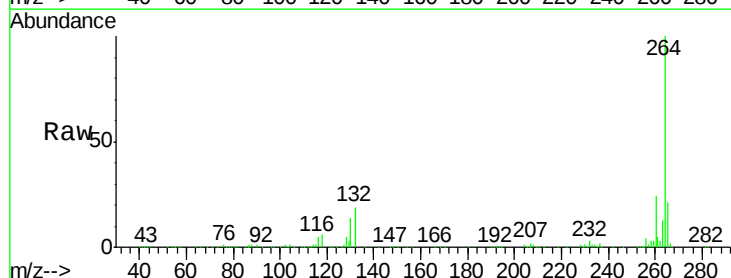
Tgt Ion:264 Resp: 310743

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.1 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

