

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087924.D
 Acq On : 12 Jun 2016 2:55
 Operator : UM/SJ
 Sample : PB91188BL
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91188BL

Quant Time: Jun 12 06:00:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

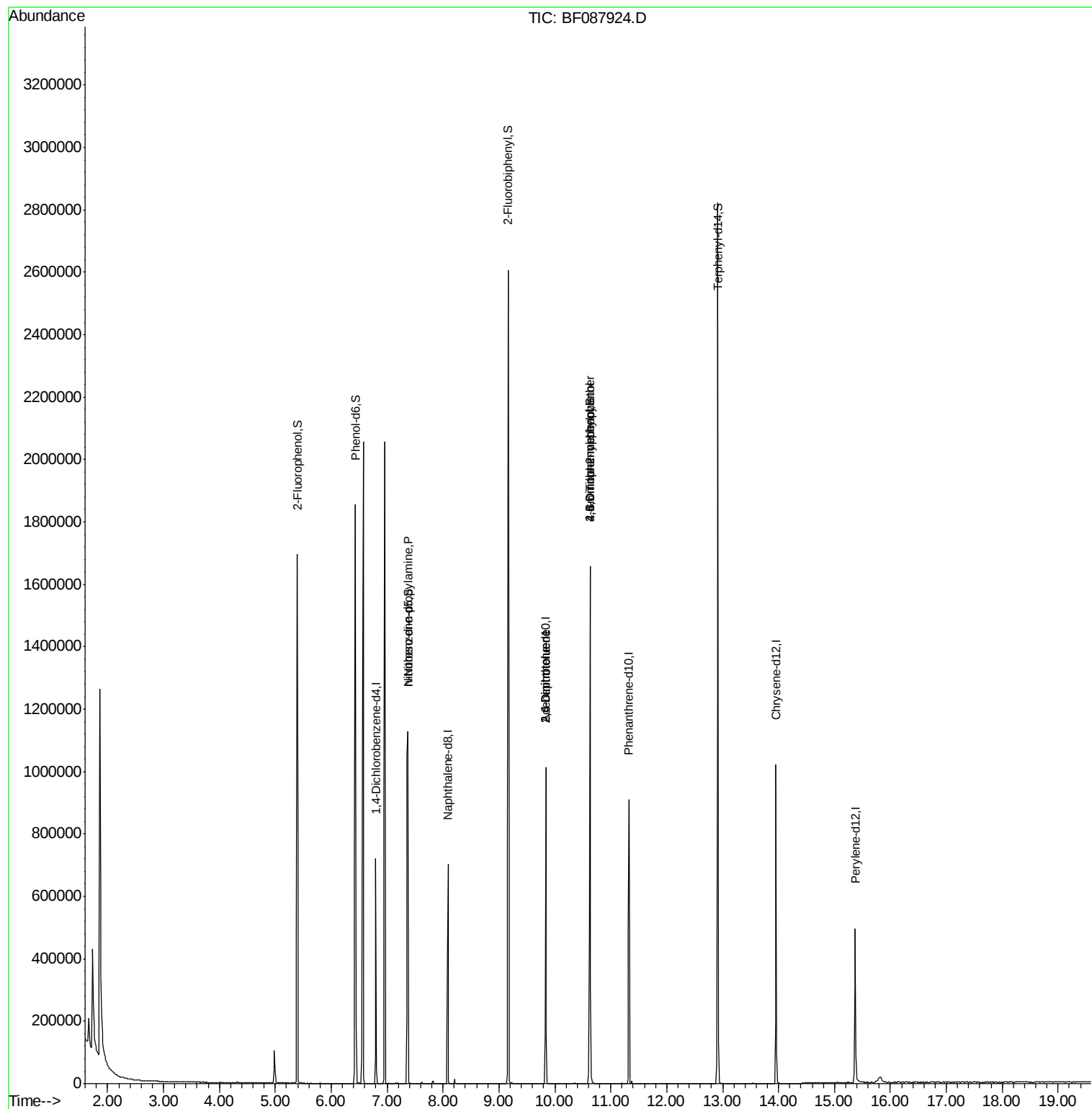
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102914	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	409183	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	200354	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	402963	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	330122	20.00	ng	-0.03
86) Perylene-d12	15.37	264	251507	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	638212	106.02	ng	-0.03
7) Phenol-d6	6.43	99	736825	100.99	ng	-0.05
23) Nitrobenzene-d5	7.37	82	579779	82.74	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	215238	101.74	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1004380	78.32	ng	-0.05
78) Terphenyl-d14	12.91	244	942461	64.96	ng	-0.03
Target Compounds						
10) Phenol	6.57	94	1413	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	74048	15.87	ng	# 67
45) 1,1'-Biphenyl	9.16	154	1904	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.84	165	25609	7.70	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	25604	5.99	ng	# 38
57) Fluorene	10.63	166	10601	Below Cal	#	86
64) 4,6-Dinitro-2-methylphenol	10.63	198	366	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13674	3.16	ng	# 1

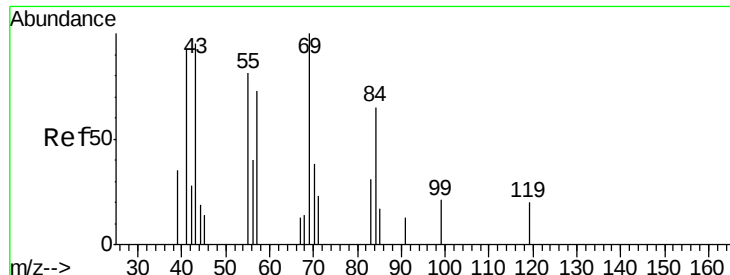
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
Data File : BF087924.D
Acq On : 12 Jun 2016 2:55
Operator : UM/SJ
Sample : PB91188BL
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB91188BL

Quant Time: Jun 12 06:00:38 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 07 18:51:55 2016
Response via : Initial Calibration

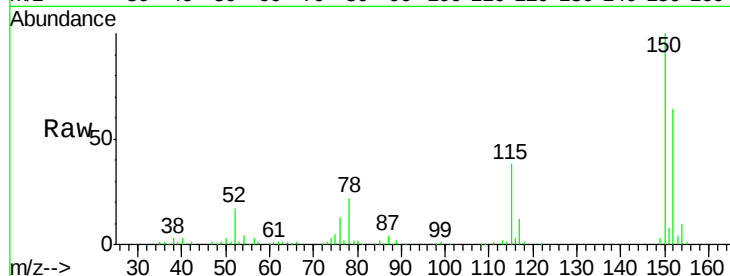




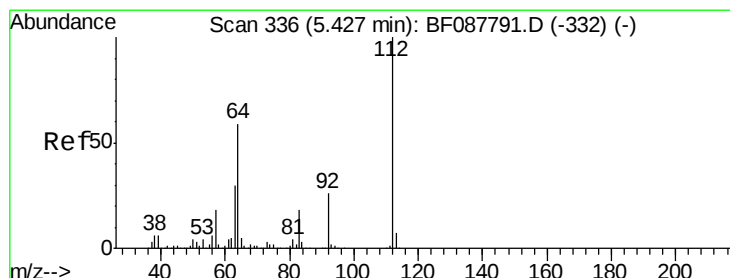
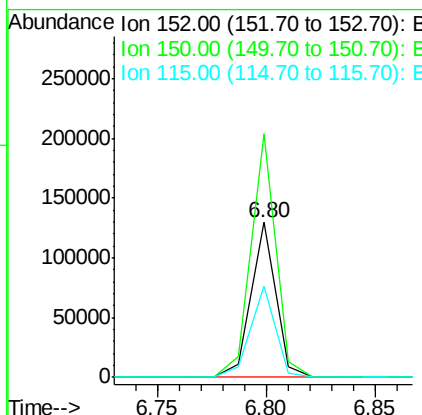
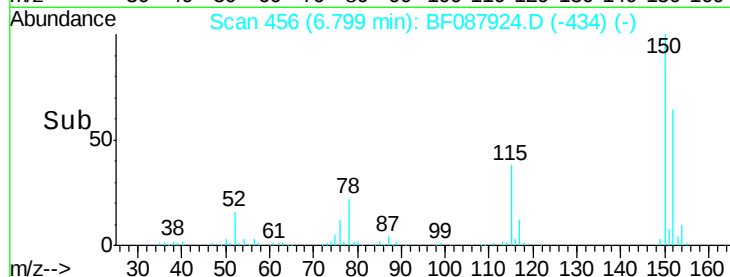
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087924.D
 Acq: 12 Jun 2016 2:55

Instrument :
 BNA_F
 ClientSampleId :
 PB91188BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	123.8	185.6
115	59.0	39.6	59.4

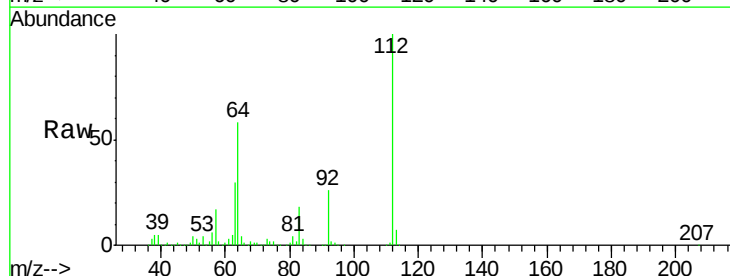


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

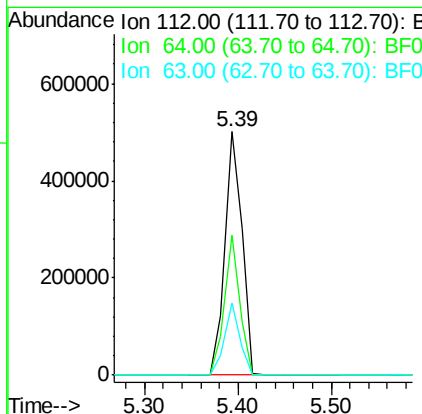
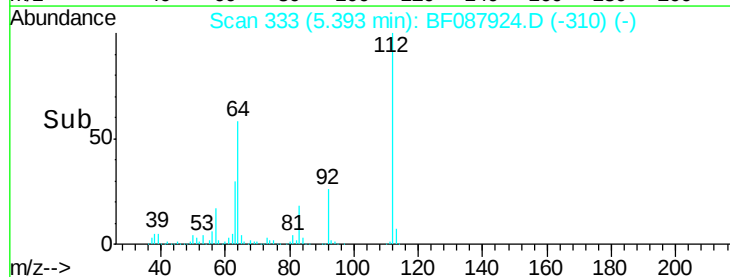


#5
 2-Fluorophenol
 Concen: 106.02 ng
 RT: 5.39 min Scan# 333
 Delta R.T. -0.03 min
 Lab File: BF087924.D
 Acq: 12 Jun 2016 2:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	42.2	63.2
63	29.7	21.8	32.8



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: 100.99 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087924.D

Acq: 12 Jun 2016 2:55

Instrument :

BNA_F

ClientSampleId :

PB91188BL

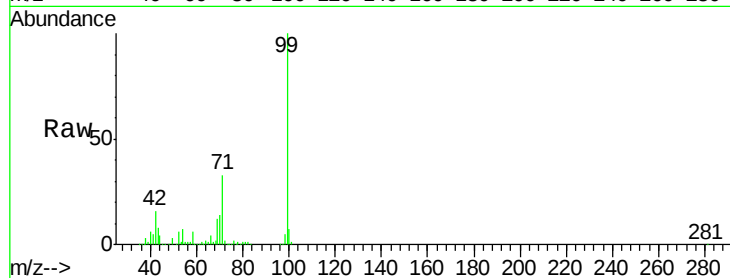
Tot Ion: 99 Resp: 736825

Ion Ratio Lower Upper

99 100

42 16.2 12.2 18.2

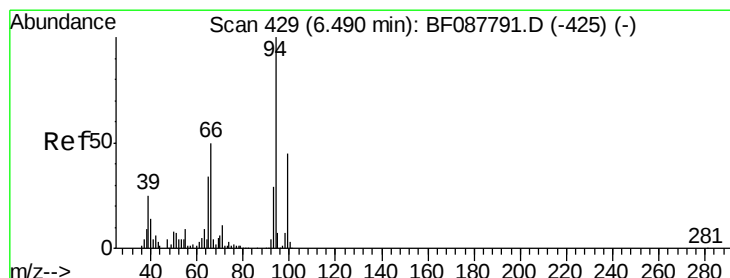
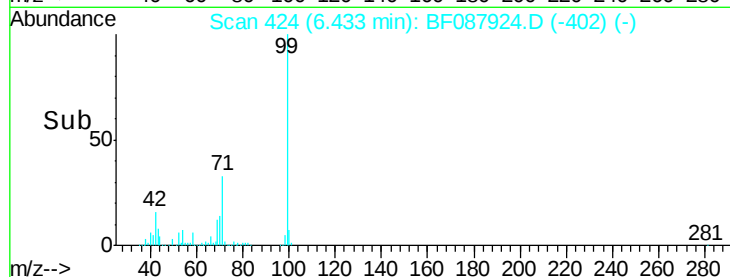
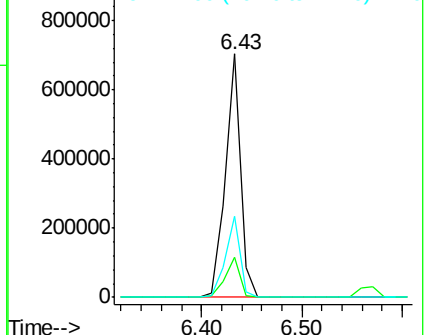
71 33.2 23.4 35.0



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: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.08 min

Lab File: BF087924.D

Acq: 12 Jun 2016 2:55

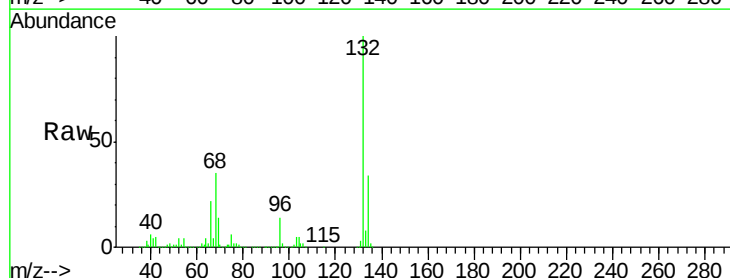
Tgt Ion: 94 Resp: 1413

Ion Ratio Lower Upper

94 100

65 979.1 5.9 45.9#

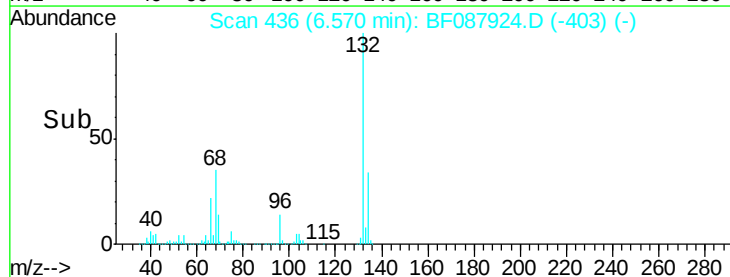
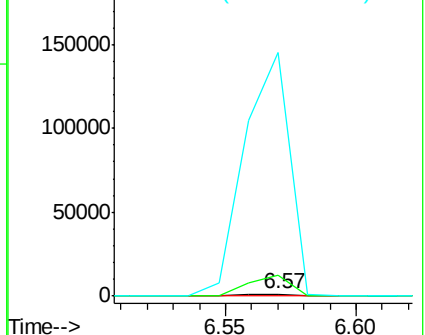
66 11217.3 14.0 54.0#



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

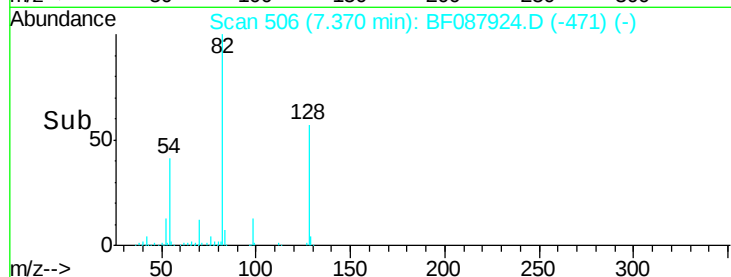
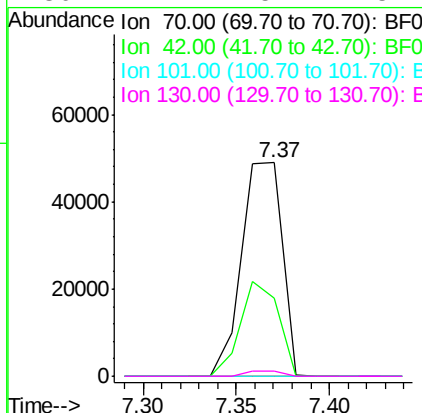
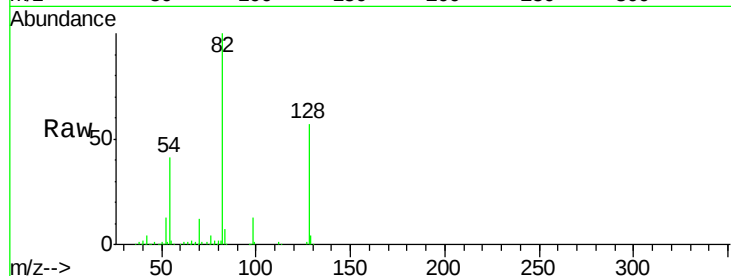




#19
n-Nitroso-di-n-propylamine
Concen: 15.87 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087924.D
Acq: 12 Jun 2016 2:55

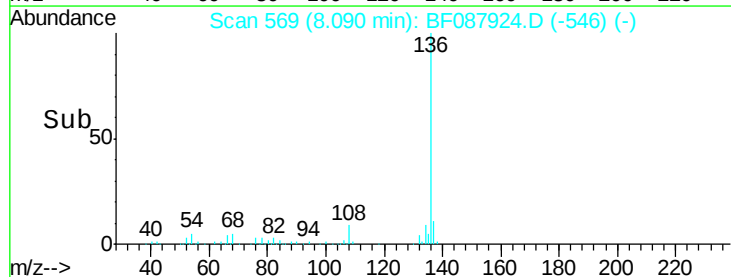
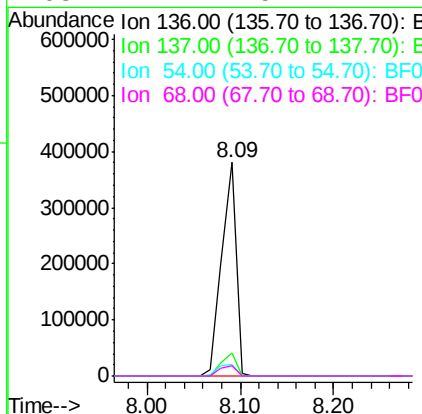
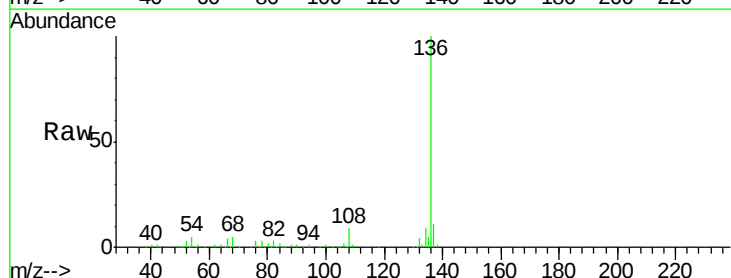
Instrument :
BNA_F
ClientSampleId :
PB91188BL

Tot Ion: 70 Resp: 74048
Ion Ratio Lower Upper
70 100
42 36.5 49.6 74.4#
101 0.0 7.1 10.7#
130 2.7 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087924.D
Acq: 12 Jun 2016 2:55

Tgt Ion:136 Resp: 409183
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 5.4 6.6 10.0#
68 4.7 5.1 7.7#

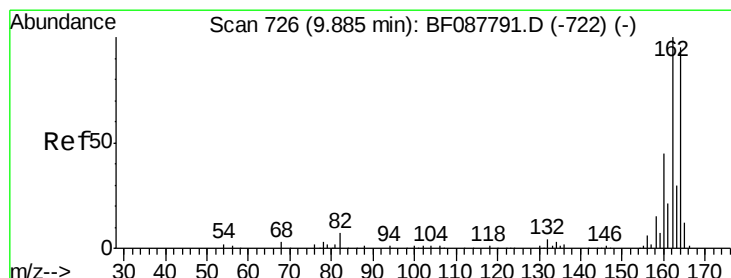
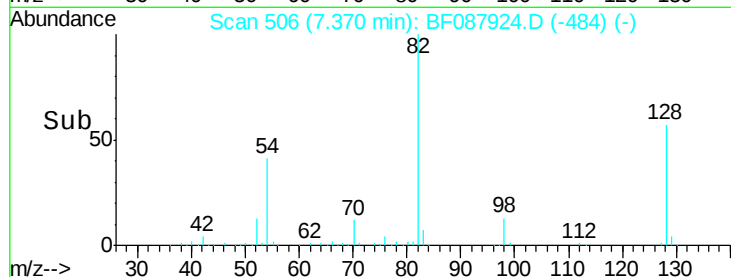
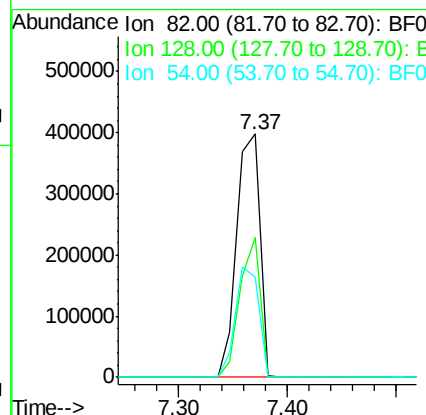
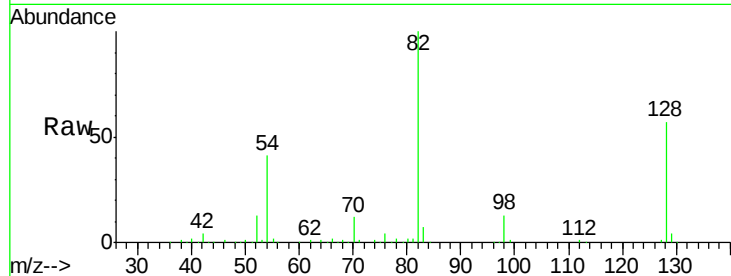




#23
 Nitrobenzene-d5
 Concen: 82.74 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF087924.D
 Acq: 12 Jun 2016 2:55

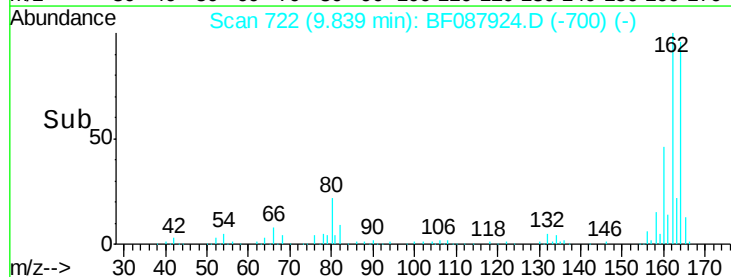
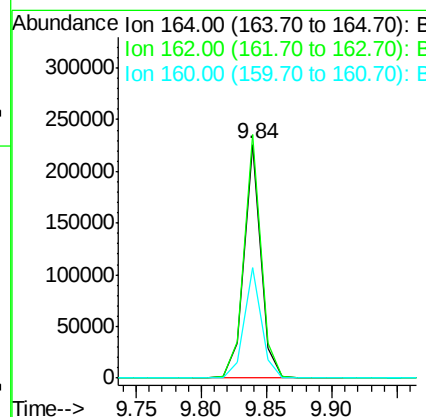
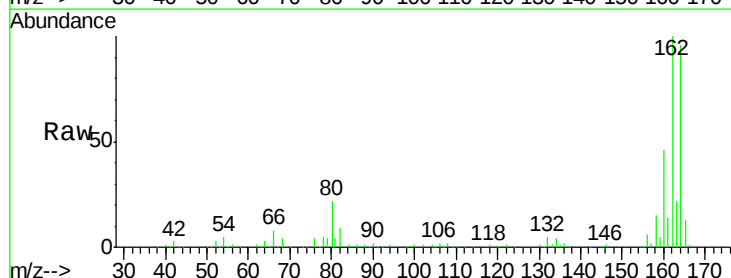
Instrument :
 BNA_F
 ClientSampleId :
 PB91188BL

Tot Ion: 82 Resp: 579779
 Ion Ratio Lower Upper
 82 100
 128 57.3 35.9 53.9#
 54 41.0 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.05 min
 Lab File: BF087924.D
 Acq: 12 Jun 2016 2:55

Tgt Ion:164 Resp: 200354
 Ion Ratio Lower Upper
 164 100
 162 104.0 85.4 128.2
 160 47.4 39.5 59.3

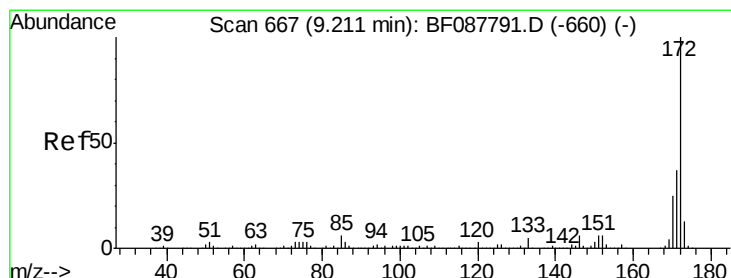
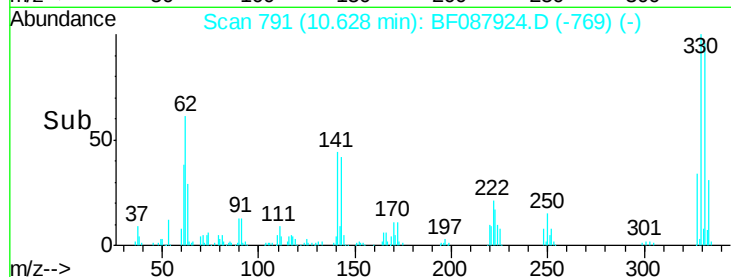
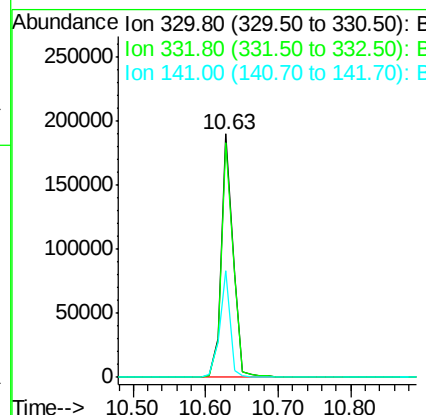
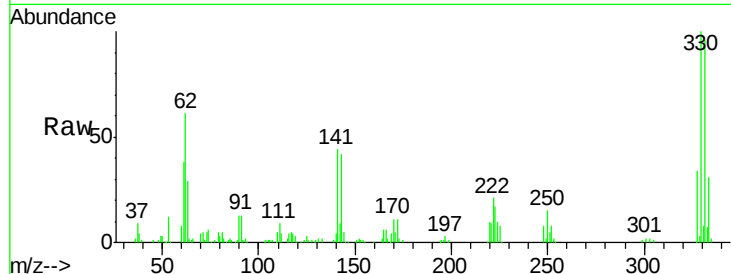




#41
 2,4,6-Tribromophenol
 Concen: 101.74 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087924.D
 Acq: 12 Jun 2016 2:55

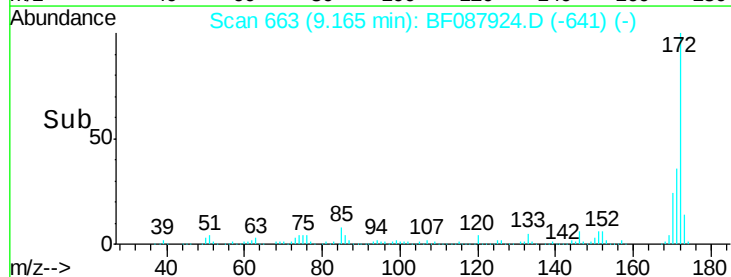
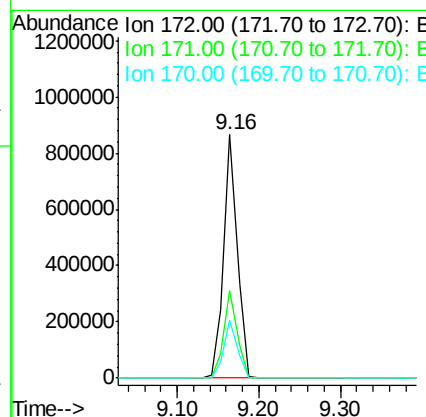
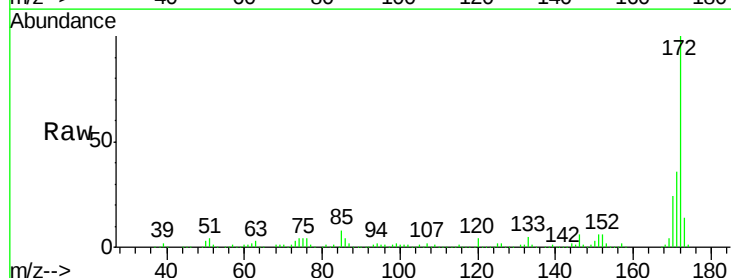
Instrument :
 BNA_F
 ClientSampleId :
 PB91188BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	38.7	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 78.32 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087924.D
 Acq: 12 Jun 2016 2:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	24.0	19.2	28.8





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.16 min Scan# 663

Delta R.T. -0.14 min

Lab File: BF087924.D

Acq: 12 Jun 2016 2:55

Instrument :

BNA_F

ClientSampled :

PB91188BL

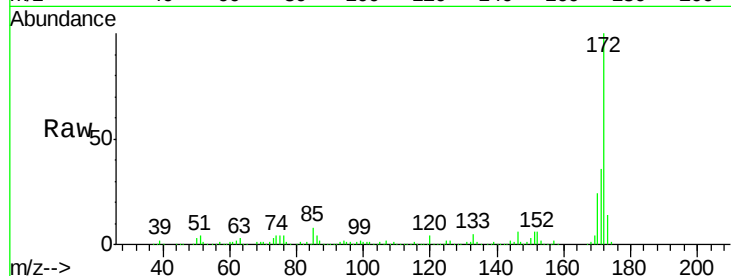
Tot Ion:154 Resp: 1904

Ion Ratio Lower Upper

154 100

153 920.5 20.6 60.6#

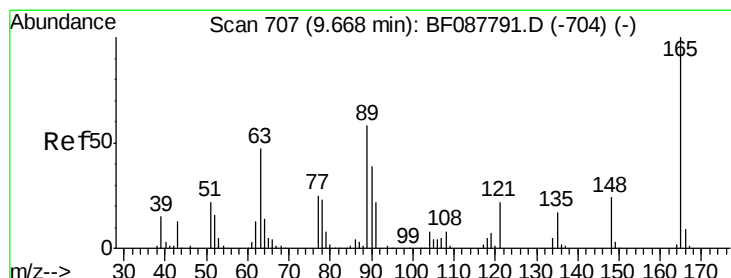
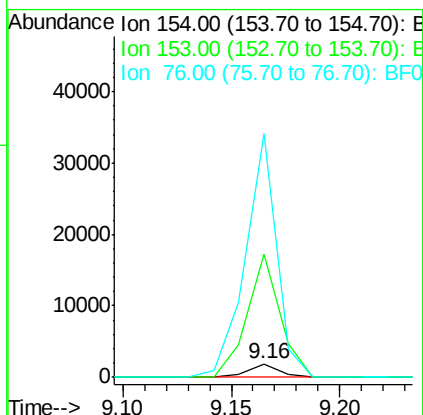
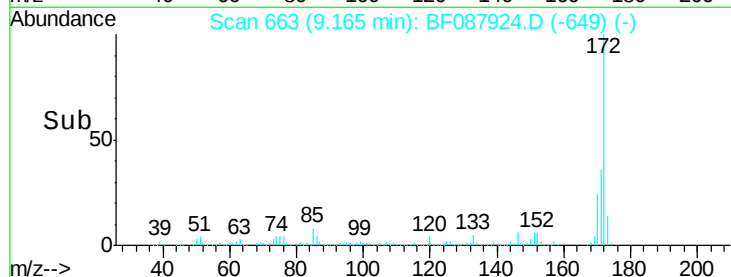
76 1826.9 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#50

2,6-Dinitrotoluene

Concen: 7.70 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.17 min

Lab File: BF087924.D

Acq: 12 Jun 2016 2:55

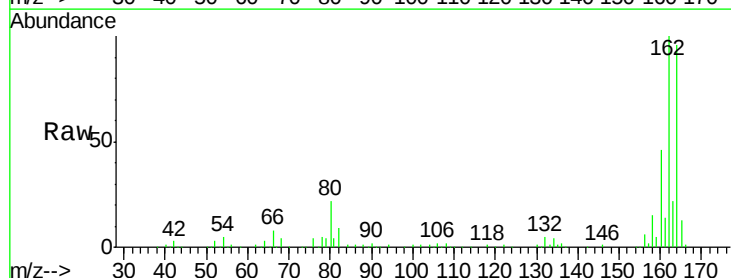
Tgt Ion:165 Resp: 25609

Ion Ratio Lower Upper

165 100

63 1.3 28.1 42.1#

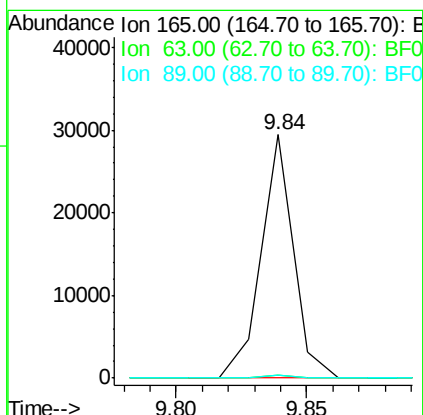
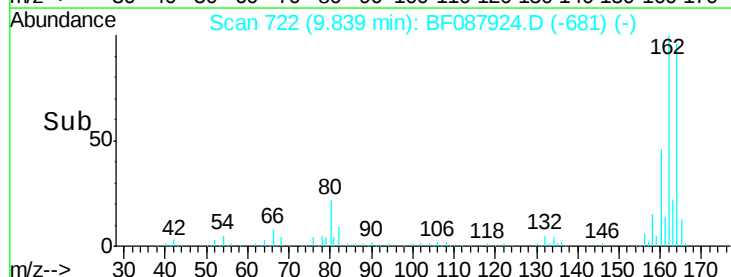
89 1.3 32.2 48.2#

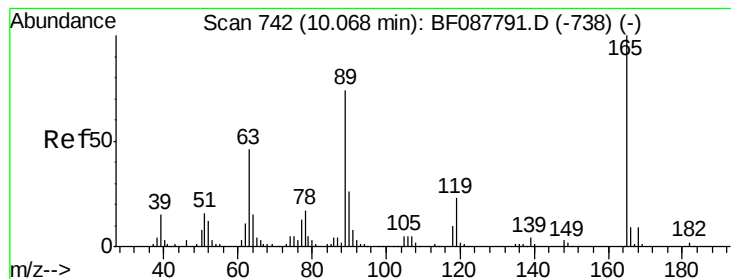


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

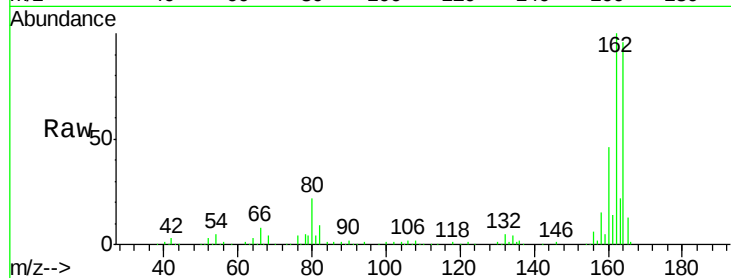




#56
2,4-Dinitrotoluene
Concen: 5.99 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.23 min
Lab File: BF087924.D
Acq: 12 Jun 2016 2:55

Instrument :
BNA_F
ClientSampleId :
PB91188BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	22.0	33.0#
89	1.3	41.1	61.7#
182	0.0	2.0	3.0#

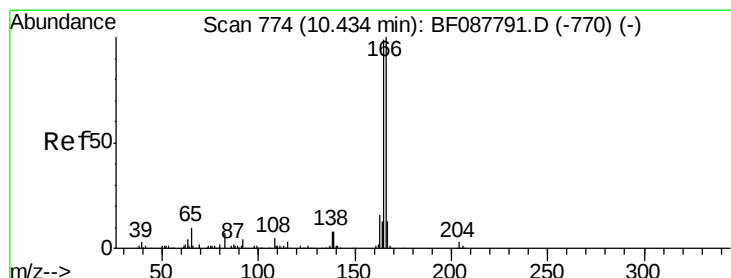
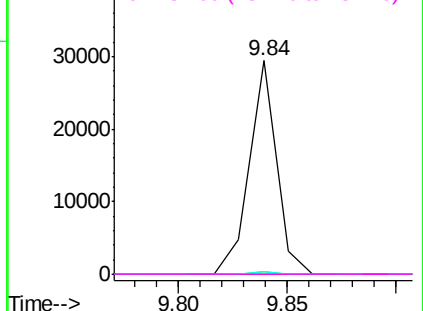
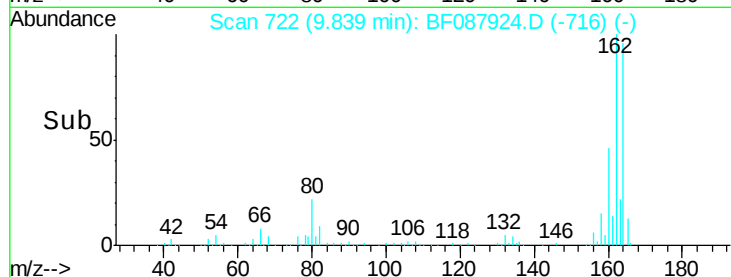


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

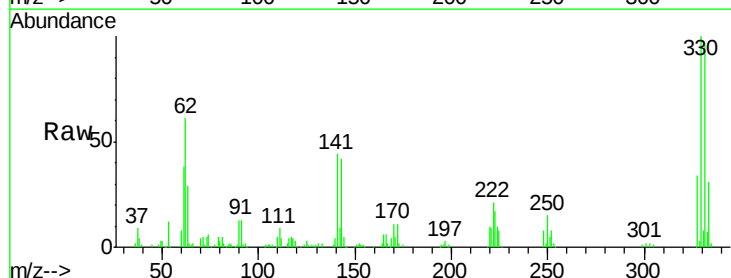
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.63 min Scan# 791
Delta R.T. 0.19 min
Lab File: BF087924.D
Acq: 12 Jun 2016 2:55

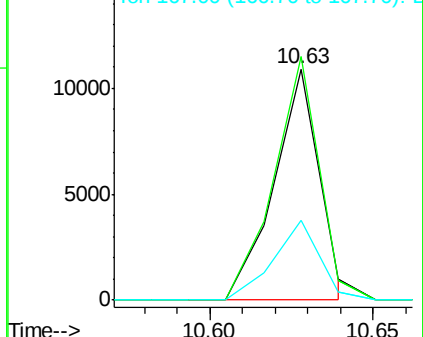
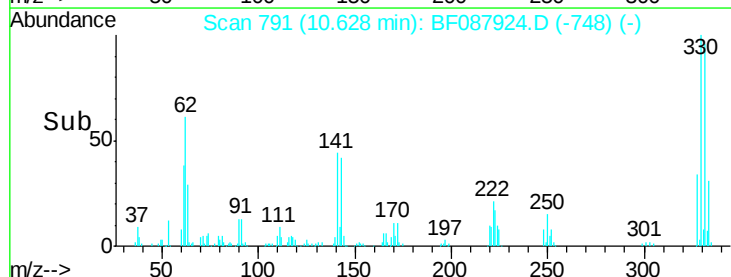
Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.5	77.8	116.8
167	34.4	11.2	16.8#

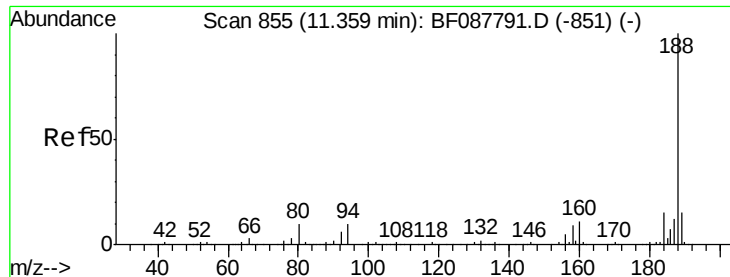


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

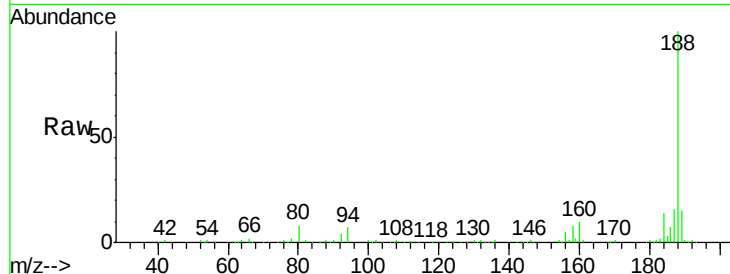




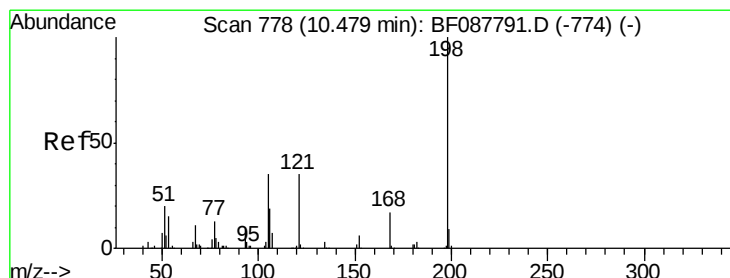
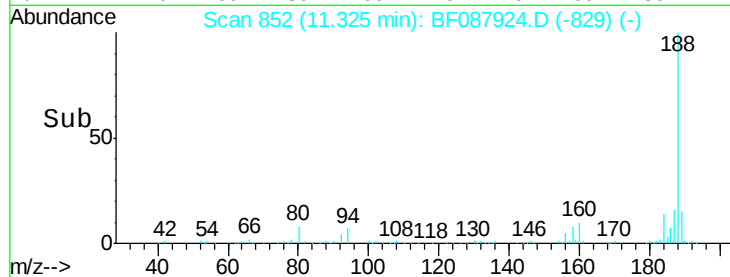
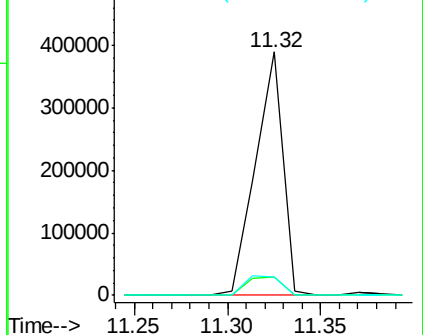
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087924.D
Acq: 12 Jun 2016 2:55

Instrument :
BNA_F
ClientSampleId :
PB91188BL

Tot Ion:188 Resp: 402963
Ion Ratio Lower Upper
188 100
94 7.5 9.0 13.6#
80 7.6 10.0 15.0#

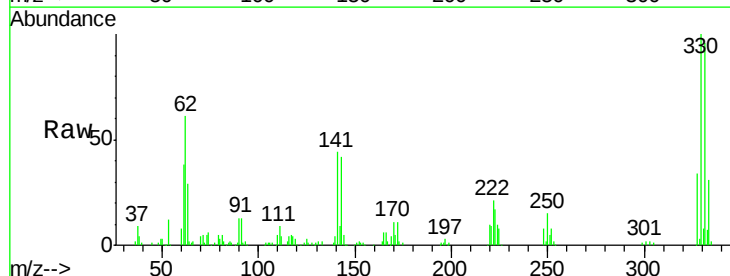


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

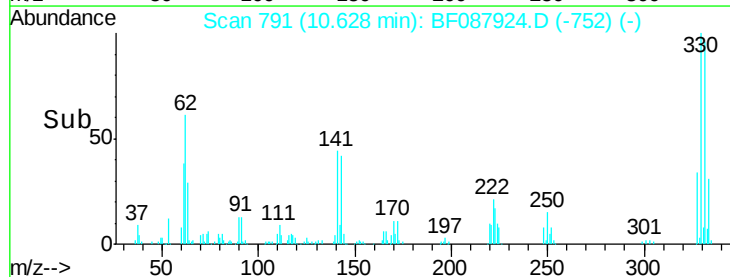
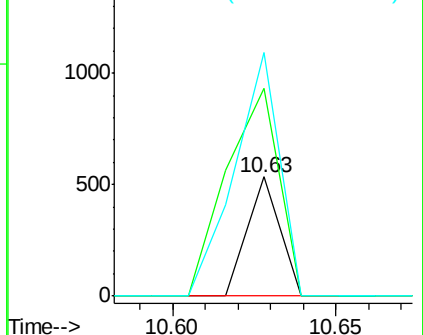


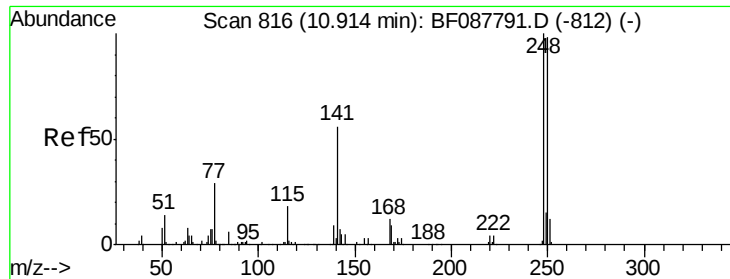
#64
4,6-Dinitro-2-methylphenol
Concen: 2.30 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF087924.D
Acq: 12 Jun 2016 2:55

Tgt Ion:198 Resp: 366
Ion Ratio Lower Upper
198 100
51 174.3 39.6 79.6#
105 204.7 36.6 76.6#



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: 3.16 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.29 min

Lab File: BF087924.D

Acq: 12 Jun 2016 2:55

Instrument :

BNA_F

ClientSampled :

PB91188BL

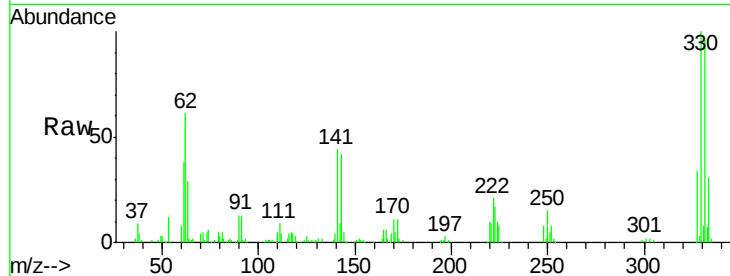
Tot Ion:248 Resp: 13674

Ion Ratio Lower Upper

248 100

250 200.2 77.1 115.7#

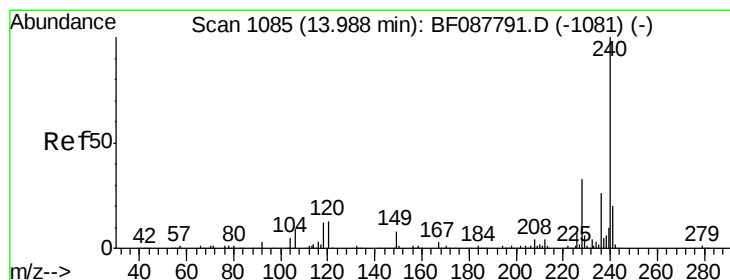
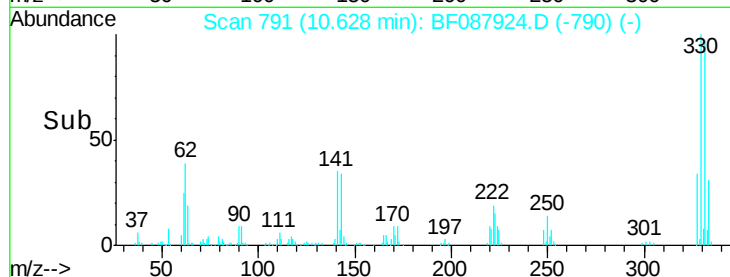
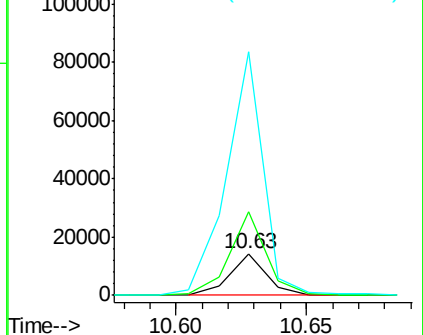
141 583.9 50.6 76.0#



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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087924.D

Acq: 12 Jun 2016 2:55

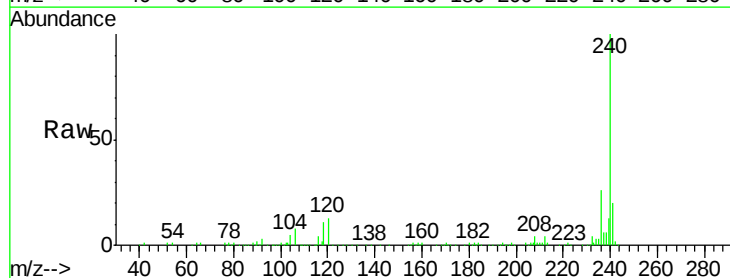
Tgt Ion:240 Resp: 330122

Ion Ratio Lower Upper

240 100

120 13.0 6.8 10.2#

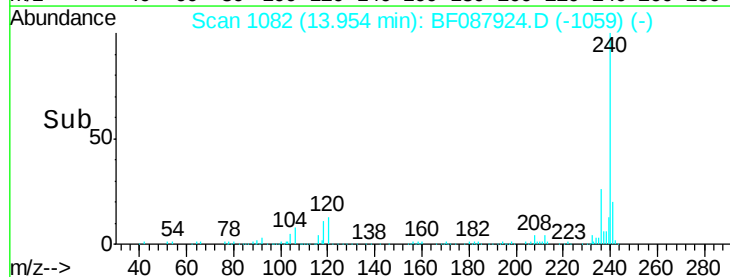
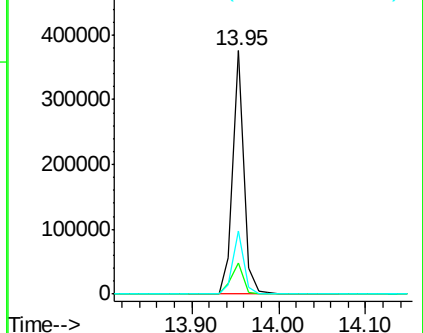
236 26.1 20.2 30.2

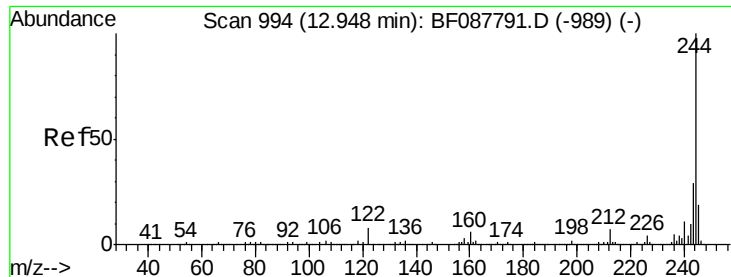


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

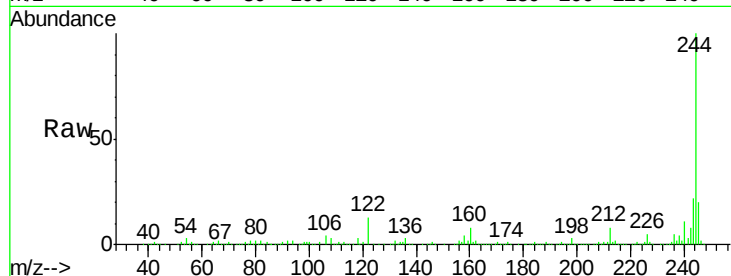




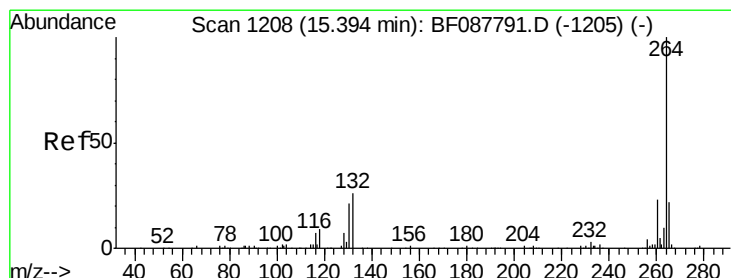
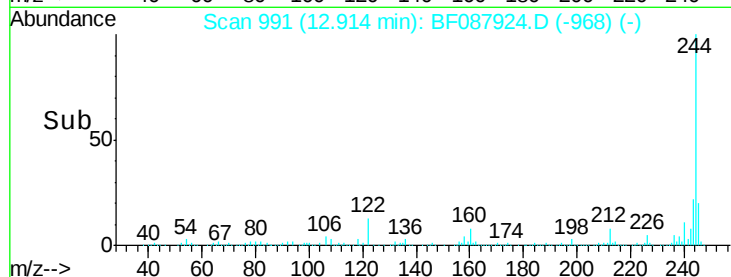
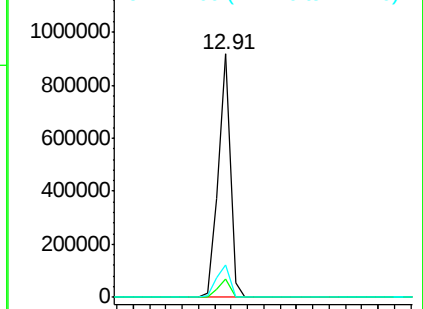
#78
 Terphenyl-d14
 Concen: 64.96 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087924.D
 Acq: 12 Jun 2016 2:55

Instrument :
 BNA_F
 ClientSampleID :
 PB91188BL

Tot Ion:244 Resp: 942461
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 13.2 11.2 16.8

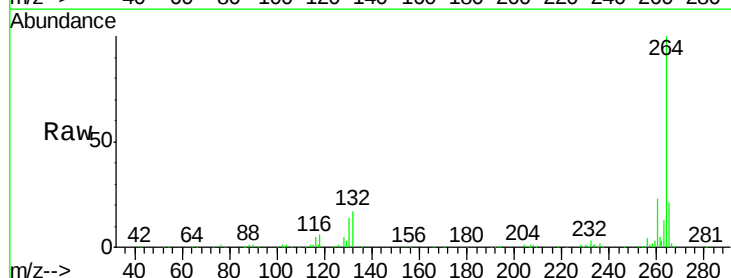


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF087924.D
 Acq: 12 Jun 2016 2:55

Tgt Ion:264 Resp: 251507
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.3 16.9 25.3



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

