

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020817\
 Data File : BF092855.D
 Acq On : 8 Feb 2017 16:09
 Operator : SJ/MA
 Sample : PB96810BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB96810BL

Quant Time: Feb 08 23:39:13 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

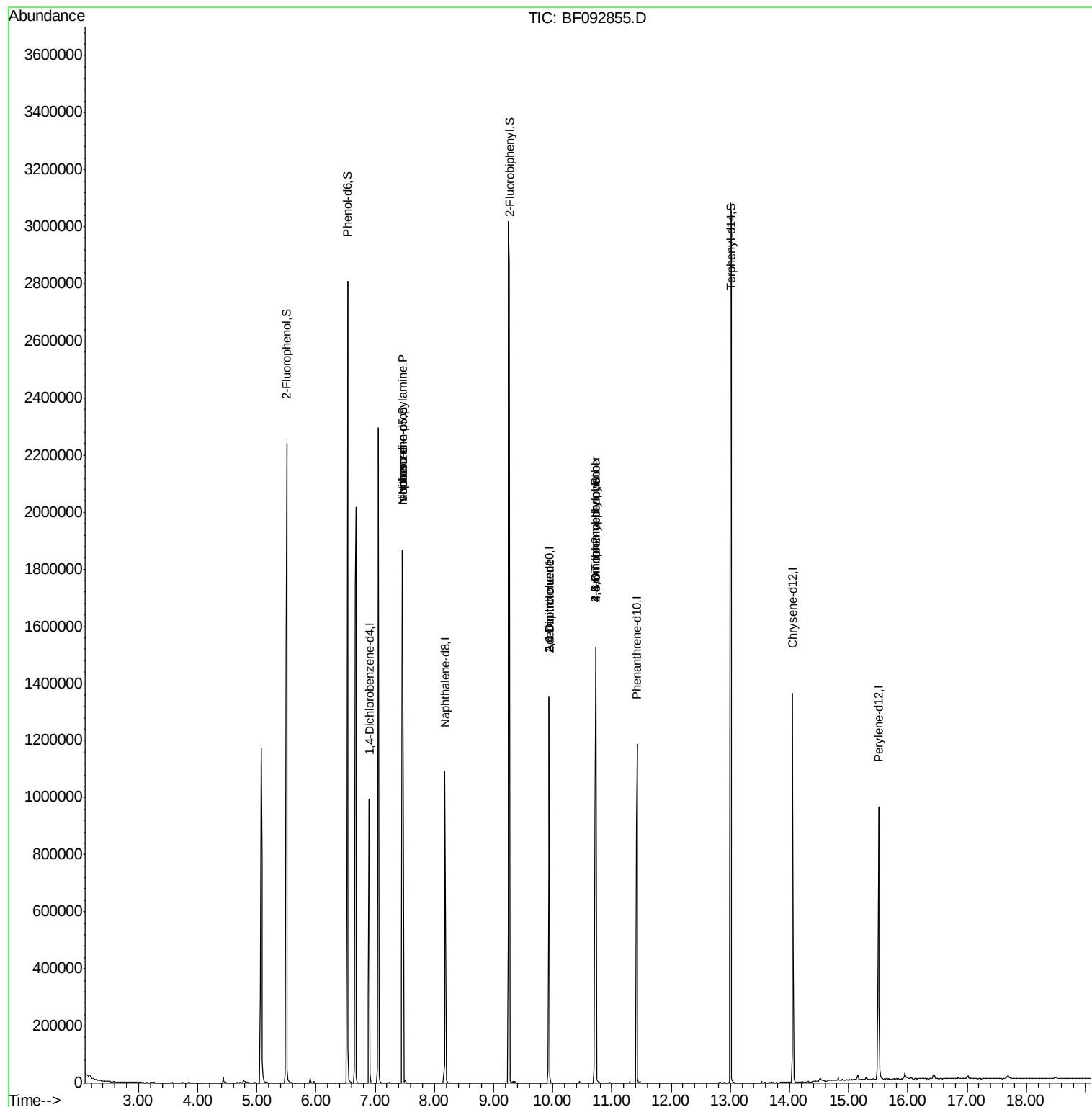
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	153667	20.00	ng	-0.07
21) Naphthalene-d8	8.18	136	588121	20.00	ng	-0.08
38) Acenaphthene-d10	9.94	164	363740	20.00	ng	-0.07
63) Phenanthrene-d10	11.42	188	599646	20.00	ng	-0.07
75) Chrysene-d12	14.05	240	490383	20.00	ng	-0.09
86) Perylene-d12	15.51	264	414982	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	763010	85.19	ng	-0.07
7) Phenol-d6	6.53	99	895425	77.70	ng	-0.07
23) Nitrobenzene-d5	7.46	82	783902	74.23	ng	-0.08
41) 2,4,6-Tribromophenol	10.73	330	216276	82.21	ng	-0.08
44) 2-Fluorobiphenyl	9.26	172	1563198	77.86	ng	-0.07
78) Terphenyl-d14	13.01	244	1525565	73.10	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	99416	13.55	ng	# 83
25) Isophorone	7.46	82	783577	39.82	ng	# 65
50) 2,6-Dinitrotoluene	9.94	165	47216	8.92	ng	# 30
56) 2,4-Dinitrotoluene	9.94	165	47219	6.70	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.73	198	545	2.81	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	16728	2.67	ng	# 1

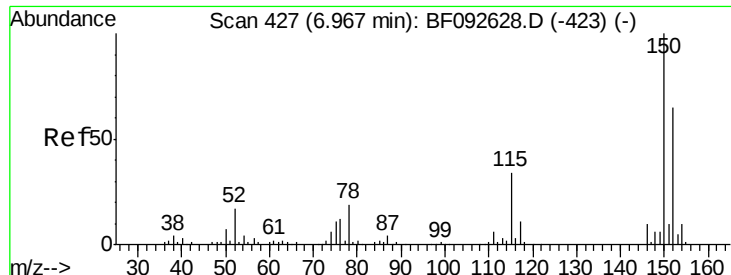
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.07 min

Lab File: BF092855.D

Acq: 8 Feb 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB96810BL

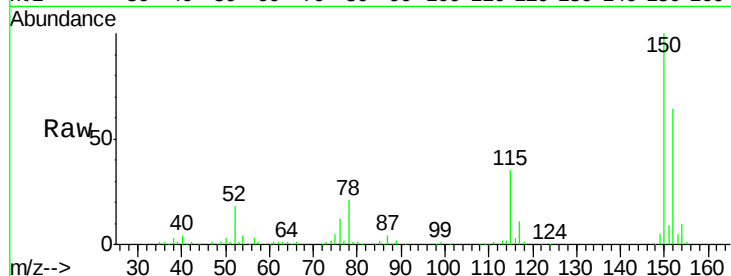
Tgt Ion:152 Resp: 153667

Ion Ratio Lower Upper

152 100

150 157.4 124.9 187.3

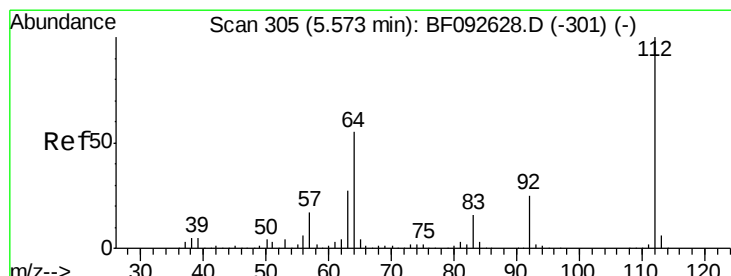
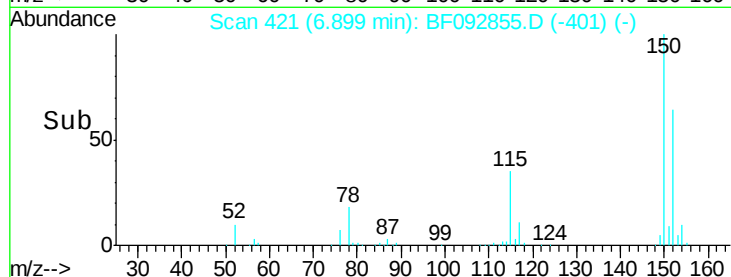
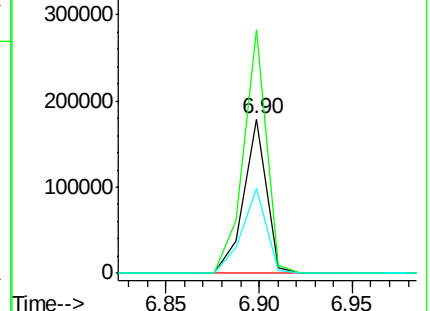
115 54.9 46.0 69.0



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: 85.19 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.07 min

Lab File: BF092855.D

Acq: 8 Feb 2017 16:09

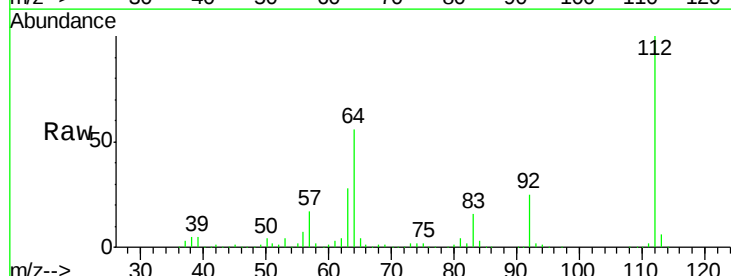
Tgt Ion:112 Resp: 763010

Ion Ratio Lower Upper

112 100

64 56.3 46.1 69.1

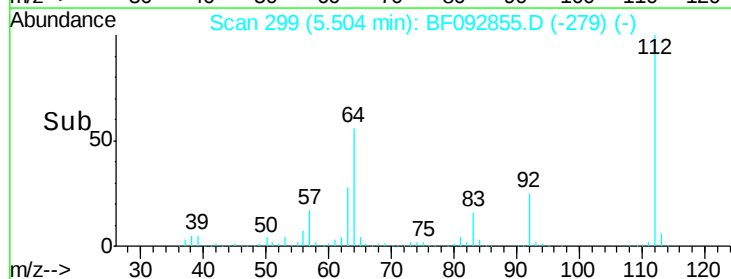
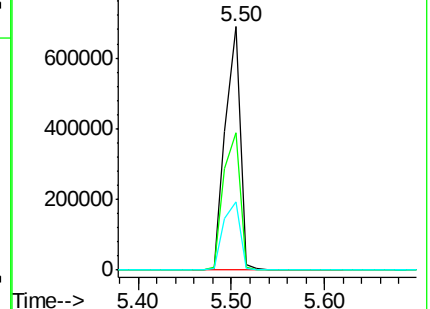
63 27.9 23.8 35.6



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: 77.70 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.07 min

Lab File: BF092855.D

Acq: 8 Feb 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB96810BL

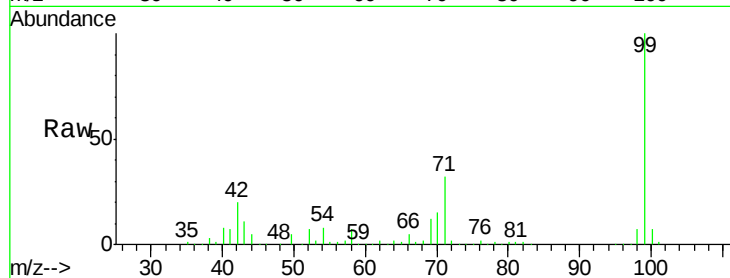
Tgt Ion: 99 Resp: 895425

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

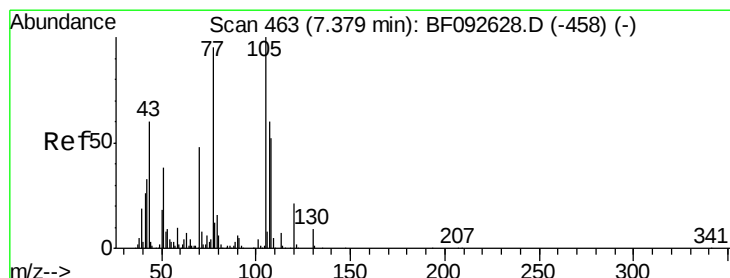
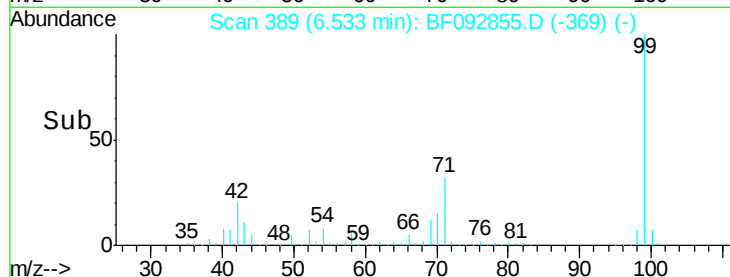
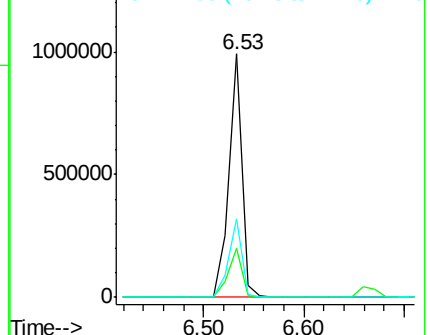
71 32.3 27.5 41.3



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: 13.55 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.08 min

Lab File: BF092855.D

Acq: 8 Feb 2017 16:09

Tgt Ion: 70 Resp: 99416

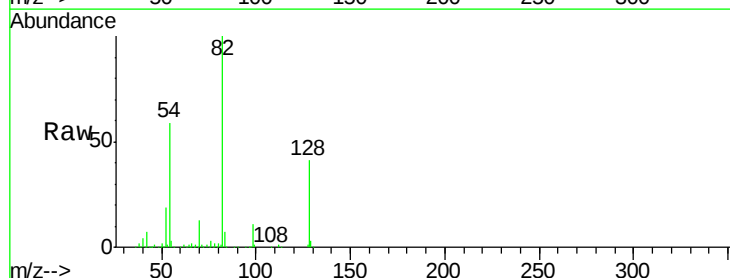
Ion Ratio Lower Upper

70 100

42 53.6 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

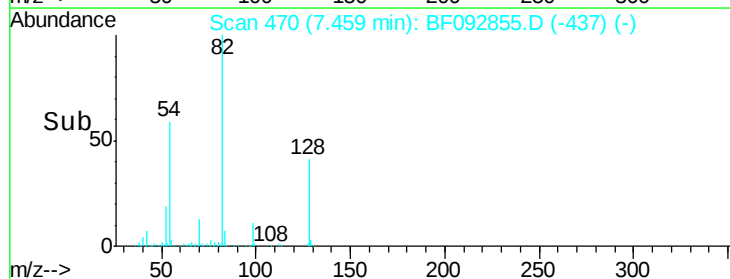
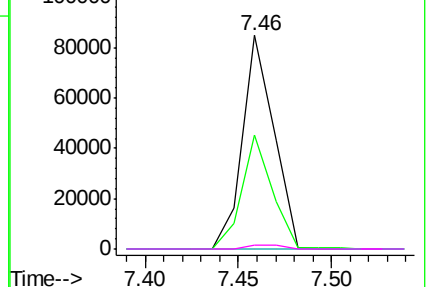


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

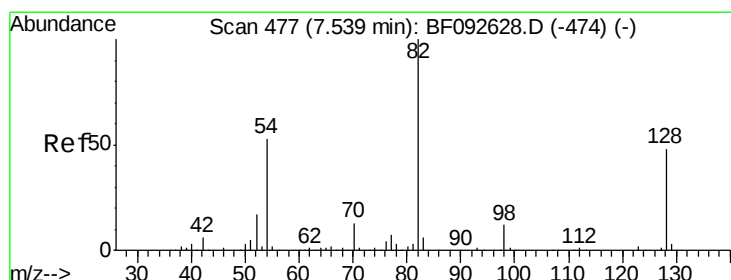
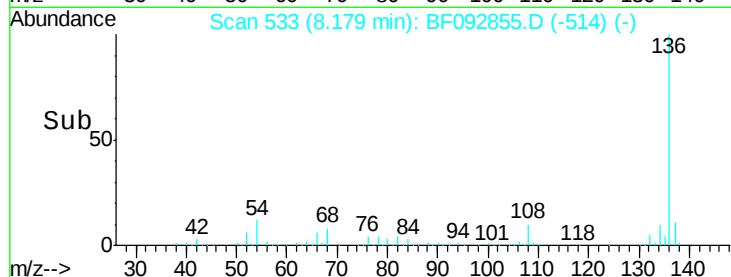
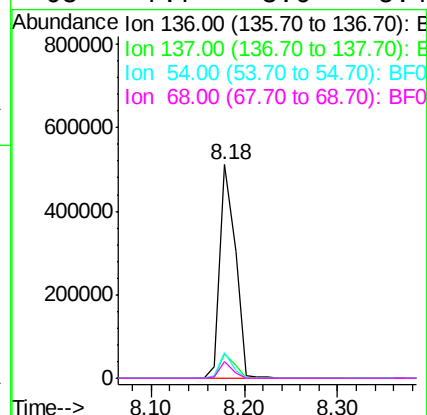
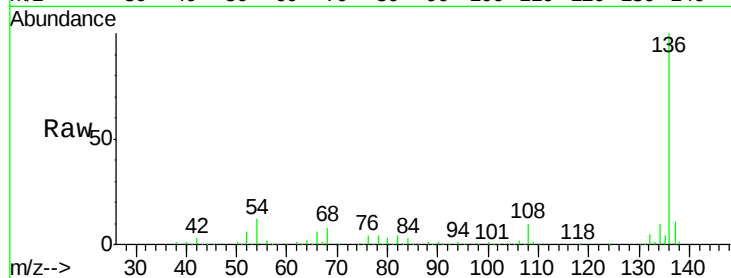




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.08 min
Lab File: BF092855.D
Acq: 8 Feb 2017 16:09

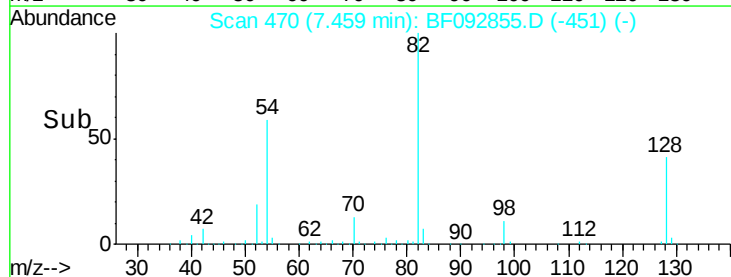
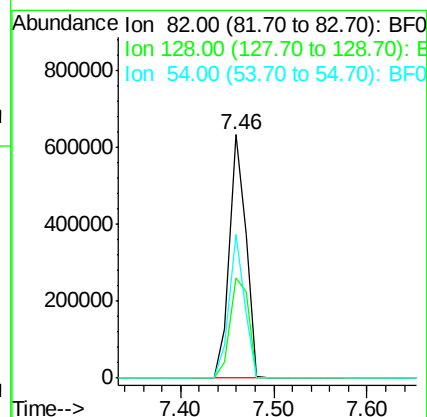
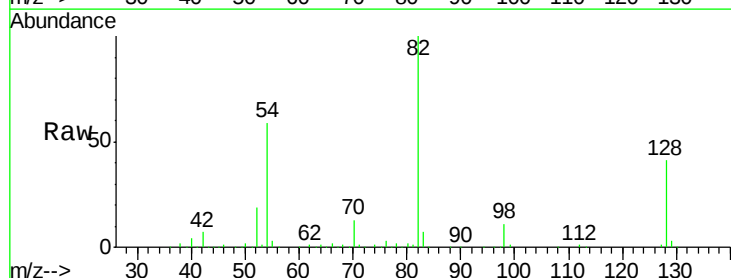
Instrument :
BNA_F
ClientSampleId :
PB96810BL

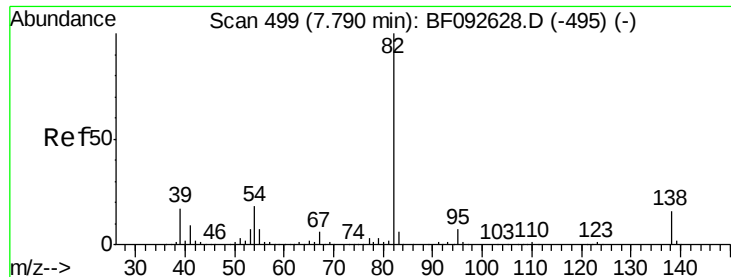
Tgt Ion:	136	Resp:	588121
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	12.2	4.5	6.7#
68	7.7	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 74.23 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.08 min
Lab File: BF092855.D
Acq: 8 Feb 2017 16:09

Tgt Ion:	82	Resp:	783902
Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.6	52.0
54	58.9	39.5	59.3





#25

Isophorone

Concen: 39.82 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.33 min

Lab File: BF092855.D

Acq: 8 Feb 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB96810BL

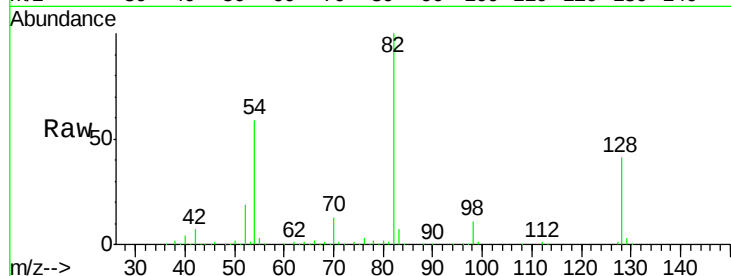
Tgt Ion: 82 Resp: 783577

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

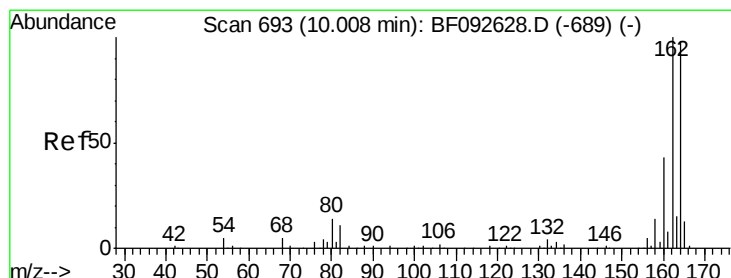
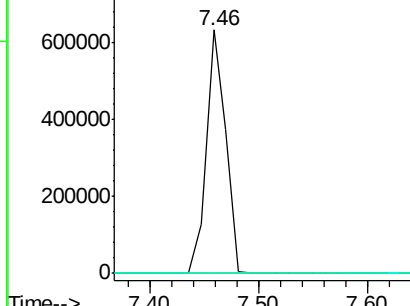
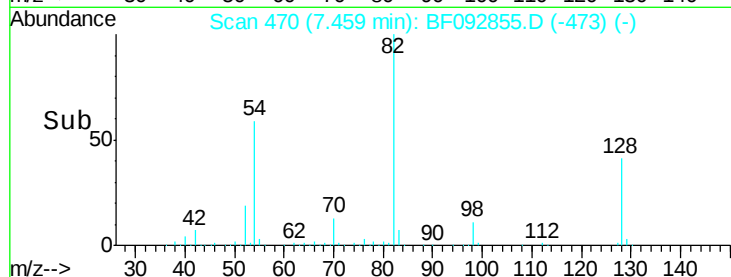
138 0.0 14.6 22.0#



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: BF092855.D

Acq: 8 Feb 2017 16:09

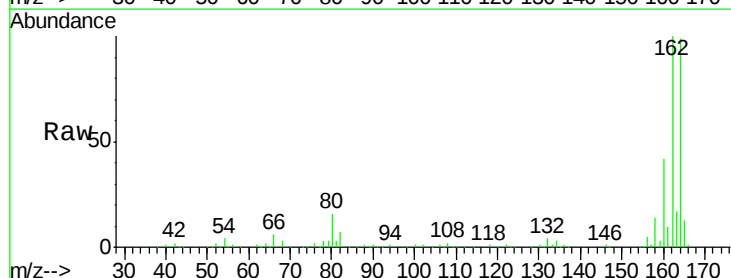
Tgt Ion: 164 Resp: 363740

Ion Ratio Lower Upper

164 100

162 100.9 80.2 120.2

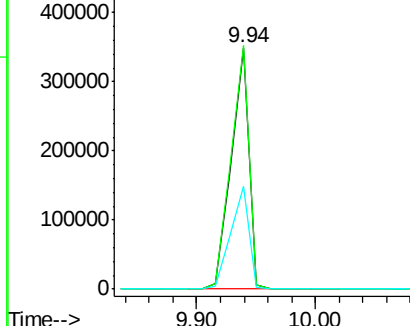
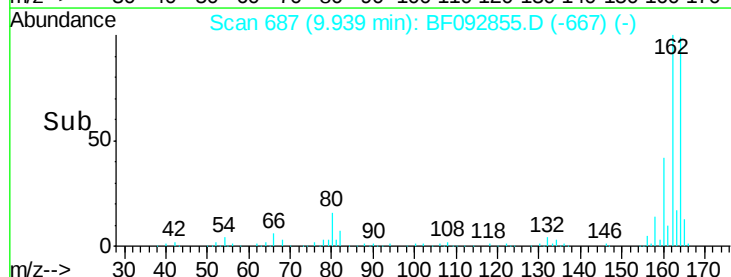
160 42.7 36.9 55.3



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

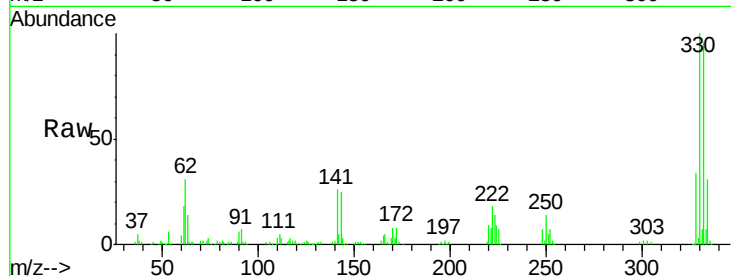




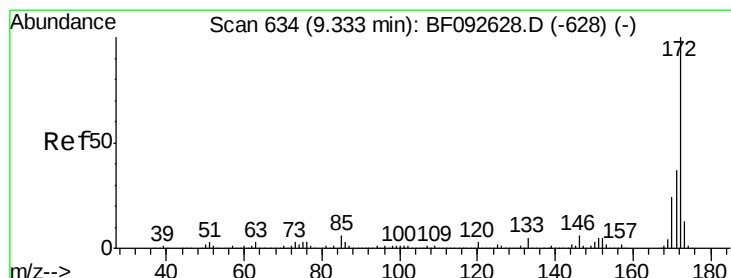
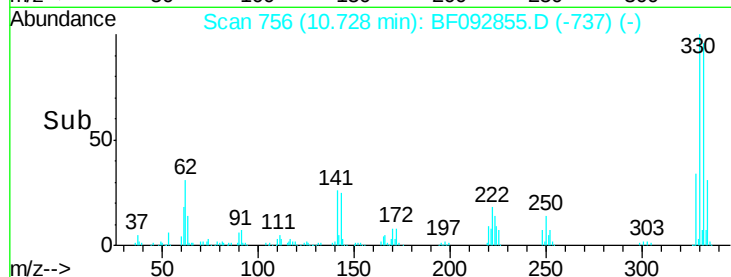
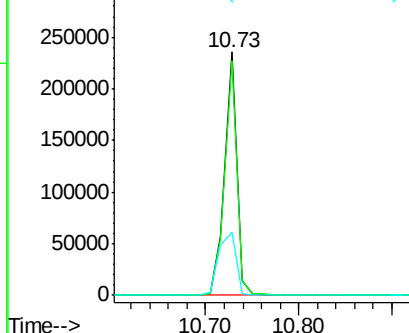
#41
 2,4,6-Tribromophenol
 Concen: 82.21 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.08 min
 Lab File: BF092855.D
 Acq: 8 Feb 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB96810BL

Tgt Ion:330 Resp: 216276
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 37.1 34.1 51.1

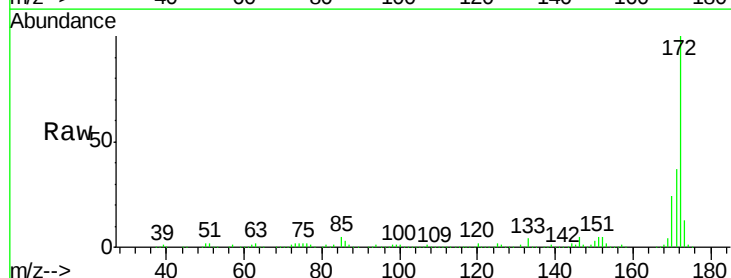


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

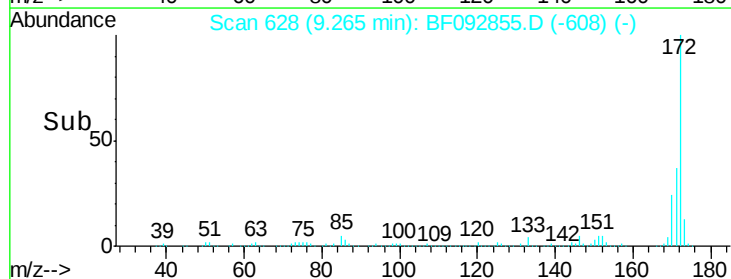
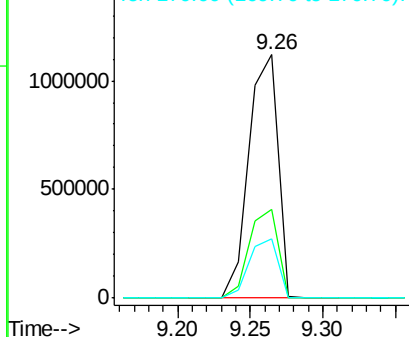


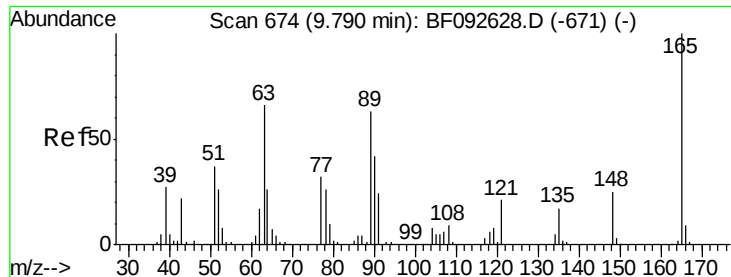
#44
 2-Fluorobiphenyl
 Concen: 77.86 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.07 min
 Lab File: BF092855.D
 Acq: 8 Feb 2017 16:09

Tgt Ion:172 Resp: 1563198
 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

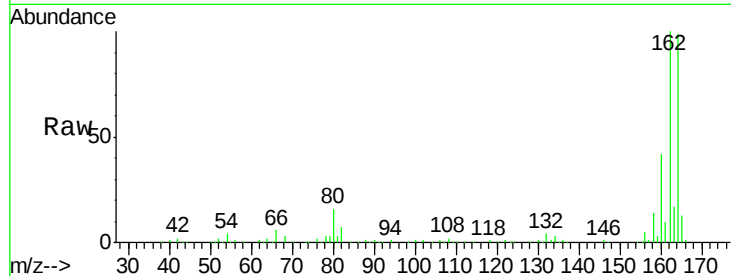




#50
 2,6-Dinitrotoluene
 Concen: 8.92 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.15 min
 Lab File: BF092855.D
 Acq: 8 Feb 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB96810BL

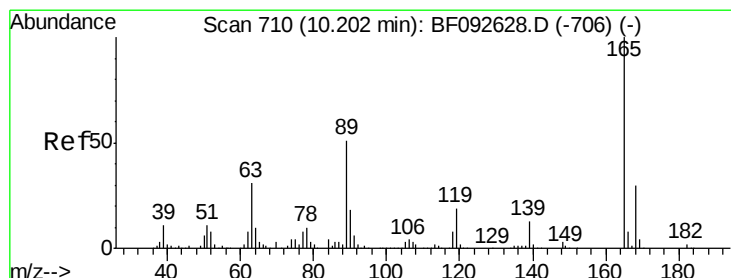
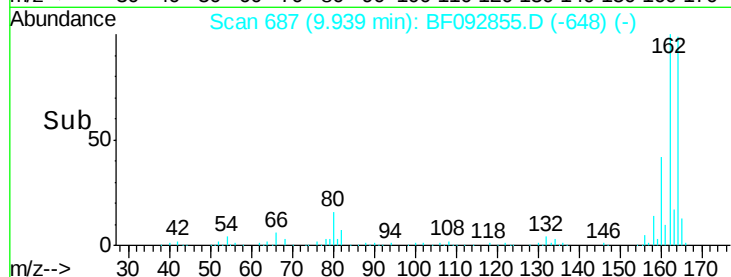
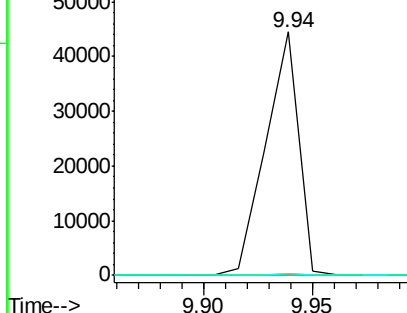
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.7	36.2	54.4#
89	0.7	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

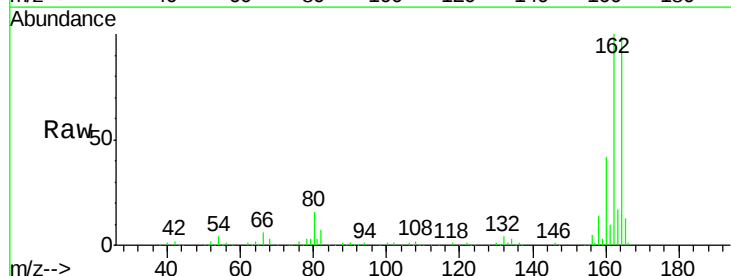
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.70 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.26 min
 Lab File: BF092855.D
 Acq: 8 Feb 2017 16:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.7	40.2	60.4#
89	0.7	62.5	93.7#
182	0.0	1.8	2.8#

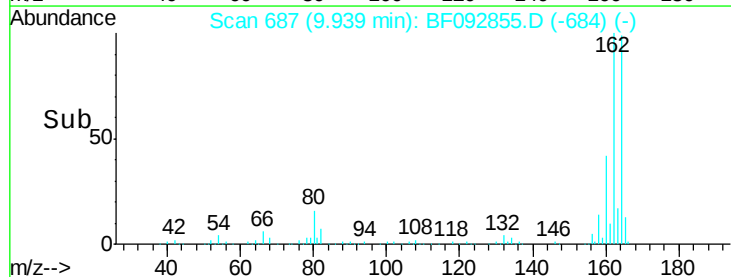
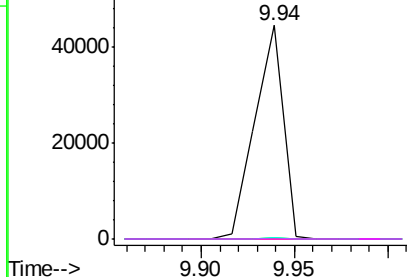


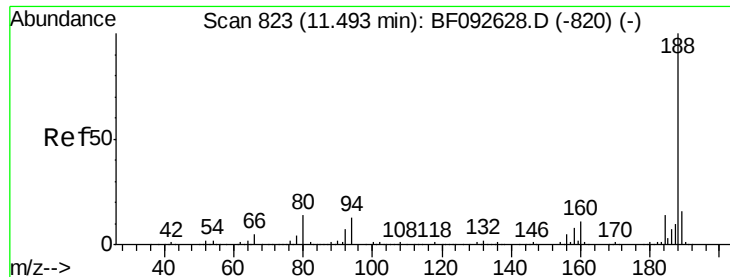
Abundance Ion 165.00 (164.70 to 165.70): E

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

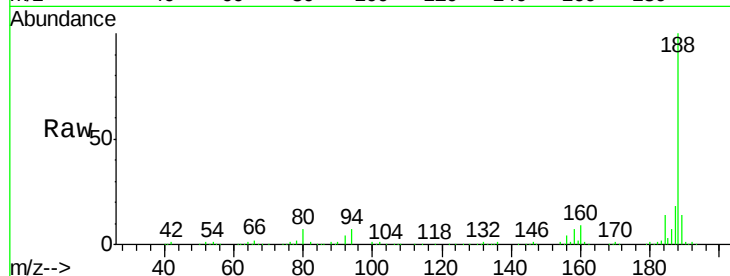




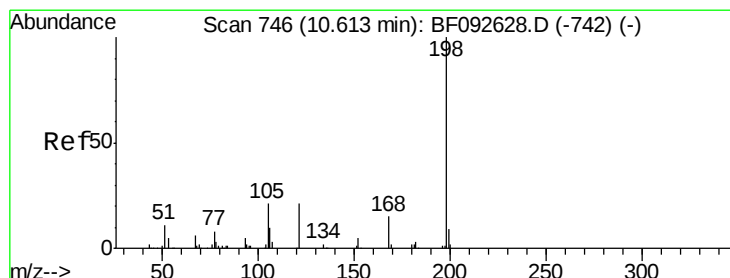
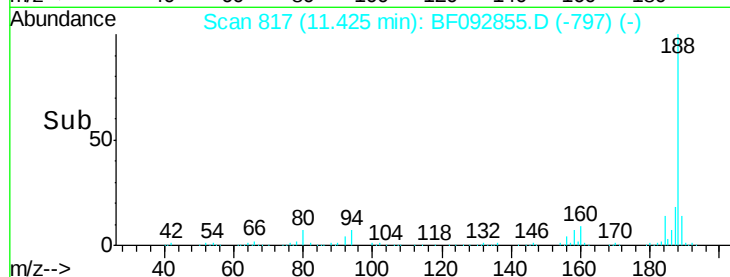
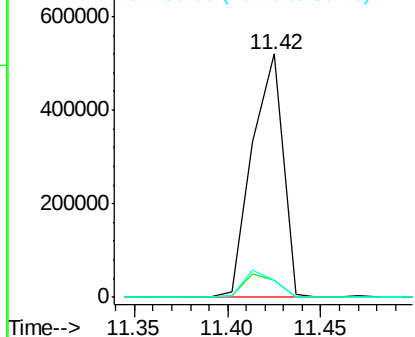
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.07 min
Lab File: BF092855.D
Acq: 8 Feb 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PB96810BL

Tgt Ion:188 Resp: 599646
Ion Ratio Lower Upper
188 100
94 6.9 10.0 15.0#
80 7.2 11.2 16.8#

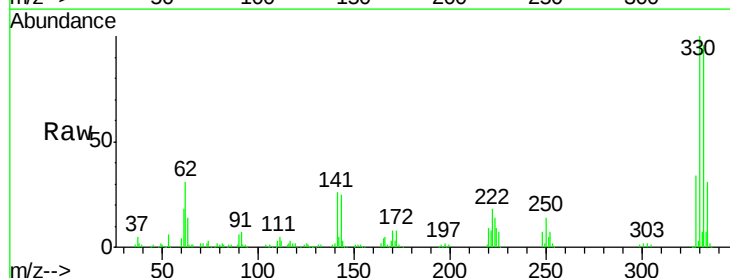


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

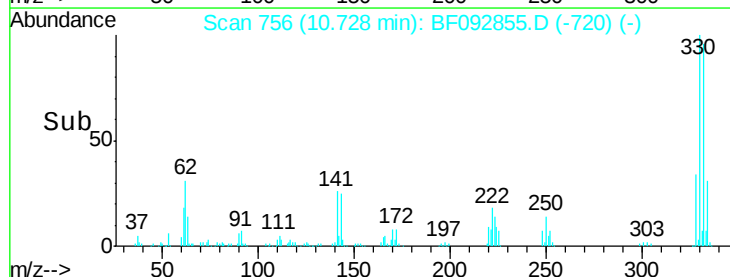
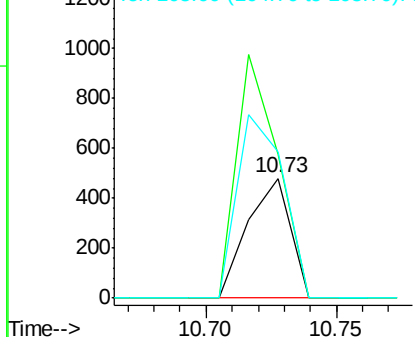


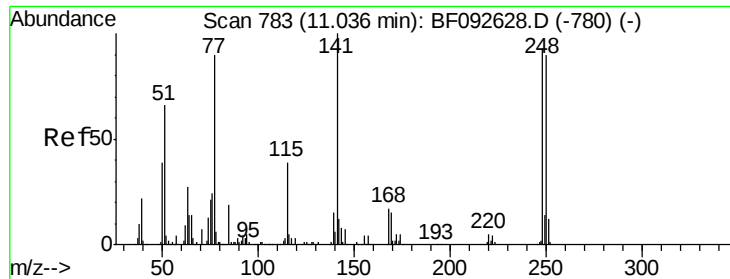
#64
4,6-Dinitro-2-methylphenol
Concen: 2.81 ng
RT: 10.73 min Scan# 756
Delta R.T. 0.11 min
Lab File: BF092855.D
Acq: 8 Feb 2017 16:09

Tgt Ion:198 Resp: 545
Ion Ratio Lower Upper
198 100
51 119.5 6.7 46.7#
105 121.6 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

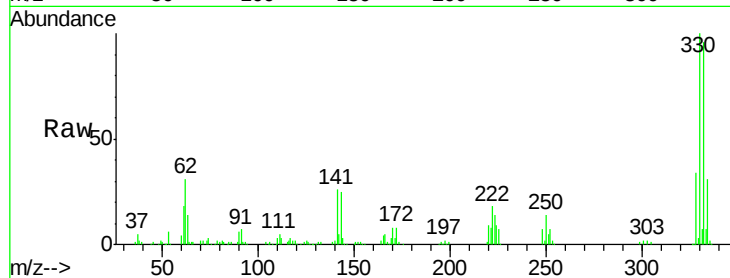




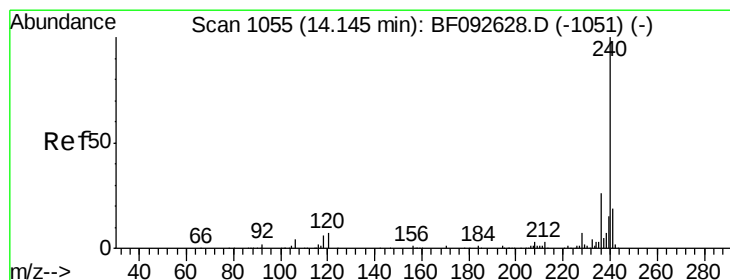
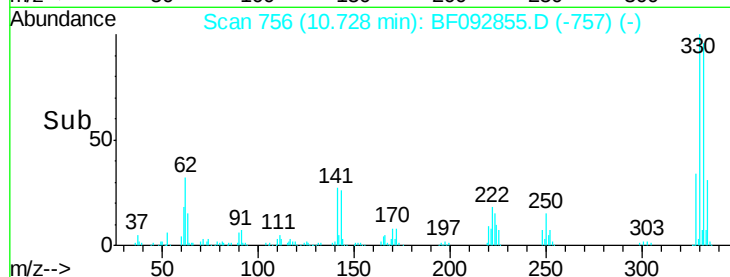
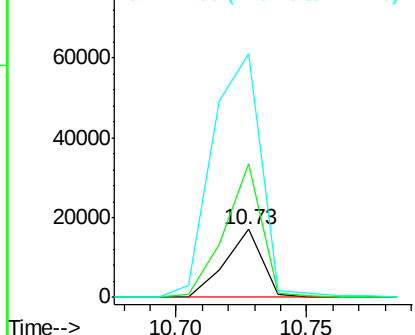
#66
 4-Bromophenyl-phenylether
 Concen: 2.67 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.31 min
 Lab File: BF092855.D
 Acq: 8 Feb 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PB96810BL

Tgt Ion:248 Resp: 16728
 Ion Ratio Lower Upper
 248 100
 250 196.1 76.9 115.3#
 141 358.2 68.2 102.4#

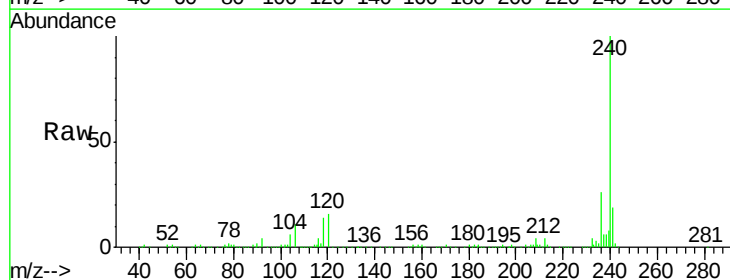


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

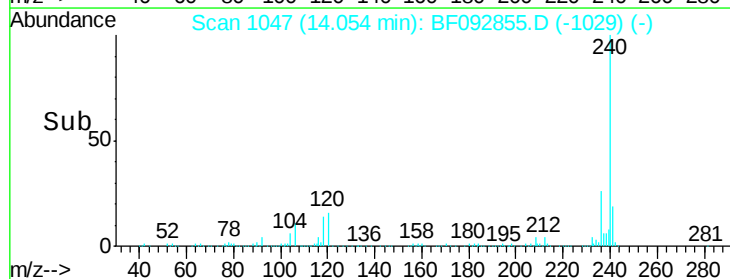
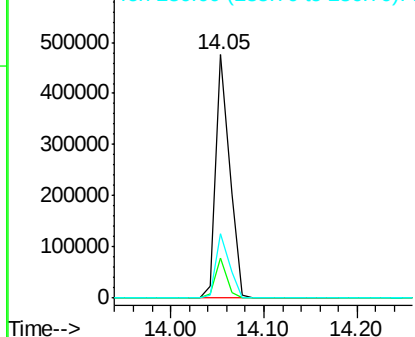


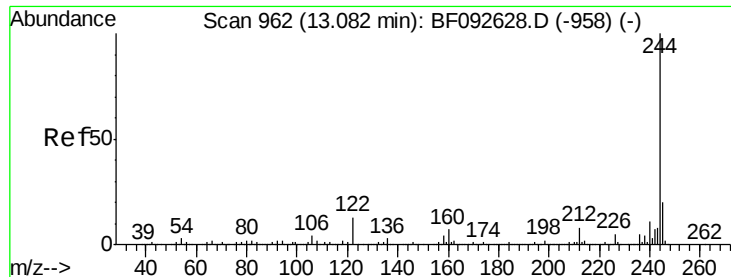
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.09 min
 Lab File: BF092855.D
 Acq: 8 Feb 2017 16:09

Tgt Ion:240 Resp: 490383
 Ion Ratio Lower Upper
 240 100
 120 16.3 12.9 19.3
 236 26.4 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: 73.10 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.07 min

Lab File: BF092855.D

Acq: 8 Feb 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PB96810BL

Tgt Ion:244 Resp: 1525565

Ion Ratio Lower Upper

244 100

212 6.8

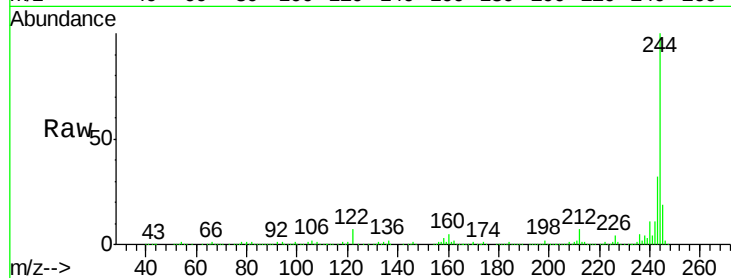
6.2

9.2

122 6.6

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

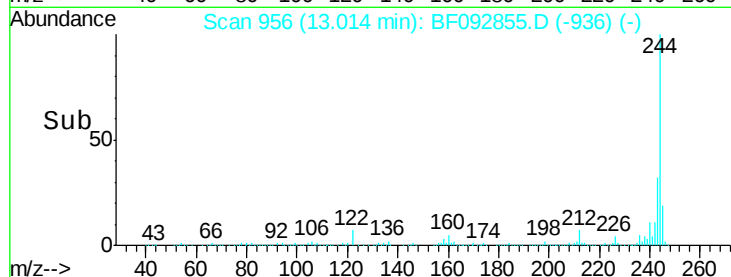
1500000

1000000

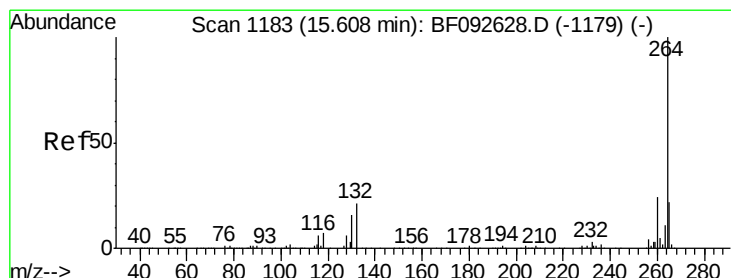
500000

0

12.90 13.01 13.10 13.20



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 1174

Delta R.T. -0.10 min

Lab File: BF092855.D

Acq: 8 Feb 2017 16:09

Tgt Ion:264 Resp: 414982

Ion Ratio Lower Upper

264 100

260 23.6

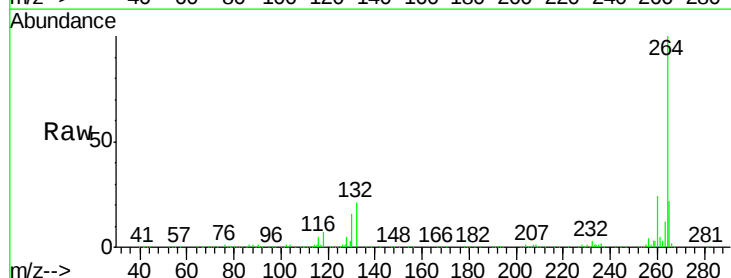
19.2

28.8

265 21.5

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

400000

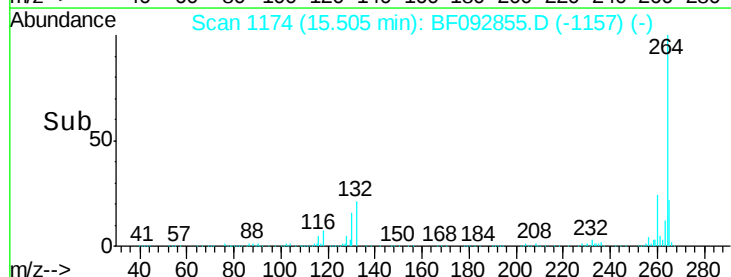
300000

200000

100000

0

15.40 15.51 15.60 15.70



Time-->