

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050616\
 Data File : BF086790.D
 Acq On : 7 May 2016 22:59
 Operator : UM/SJ
 Sample : H2880-01
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-42-050416

Quant Time: May 08 03:59:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 23:59:39 2016
 Response via : Initial Calibration

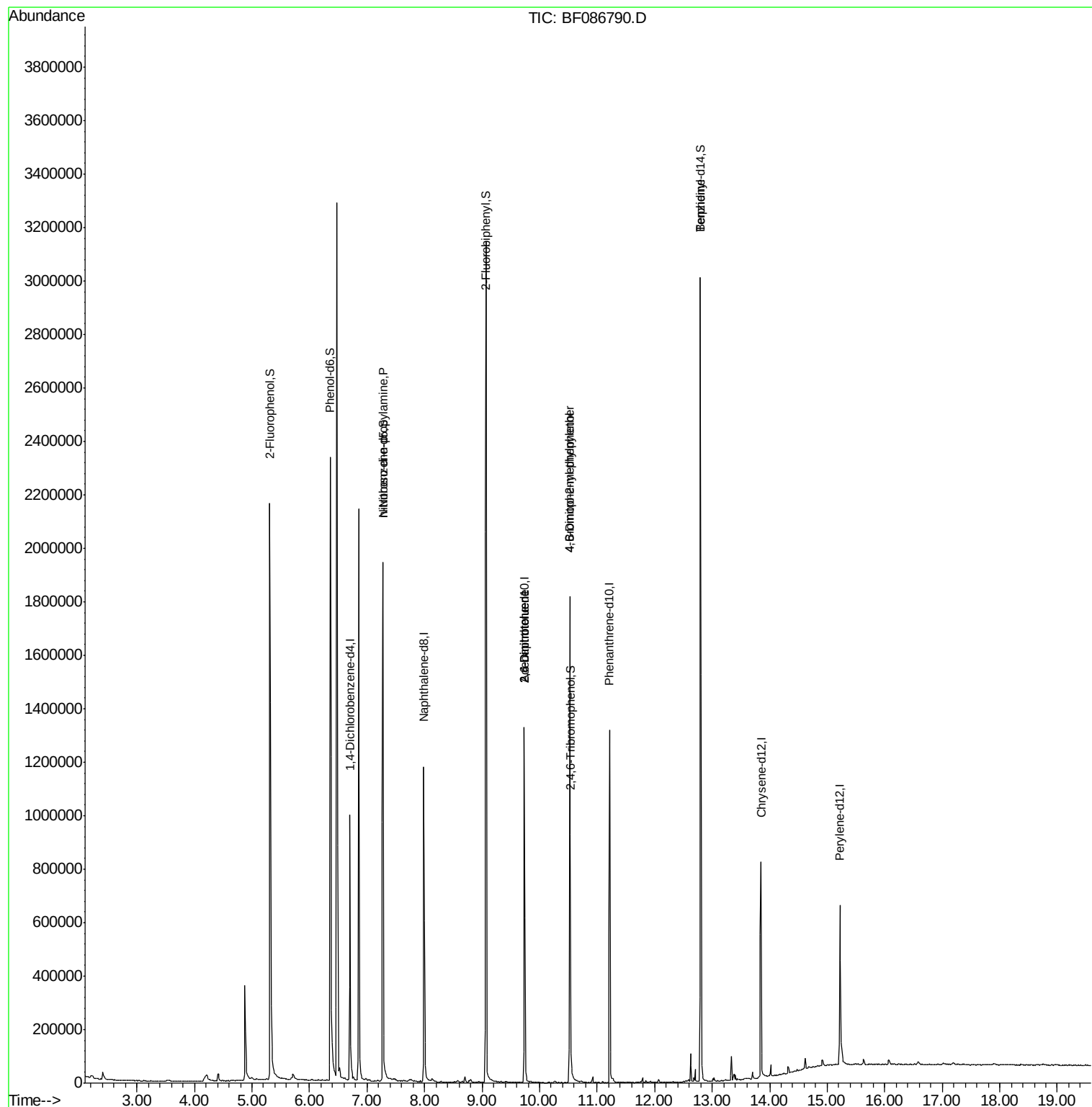
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	152394	40.00	ng	0.00
21) Naphthalene-d8	7.98	136	619404	40.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	294414	40.00	ng	-0.01
63) Phenanthrene-d10	11.22	188	555813	40.00	ng	0.00
75) Chrysene-d12	13.85	240	372216	40.00	ng	0.00
86) Perylene-d12	15.22	264	298627	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	729242	79.22	ng	0.01
7) Phenol-d6	6.36	99	884452	71.33	ng	-0.01
23) Nitrobenzene-d5	7.28	82	712239	59.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	248137	86.16	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1267405	70.57	ng	0.00
78) Terphenyl-d14	12.80	244	1065769	57.87	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	99294	11.72	ng	# 78
50) 2,6-Dinitrotoluene	9.73	165	37283	7.92	ng	# 21
56) 2,4-Dinitrotoluene	9.73	165	37284	6.39	ng	# 17
64) 4,6-Dinitro-2-methylphenol	10.52	198	410	5.38	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	14426	2.61	ng	# 1
76) Benzidine	12.80	184	16555	8.48	ng	100

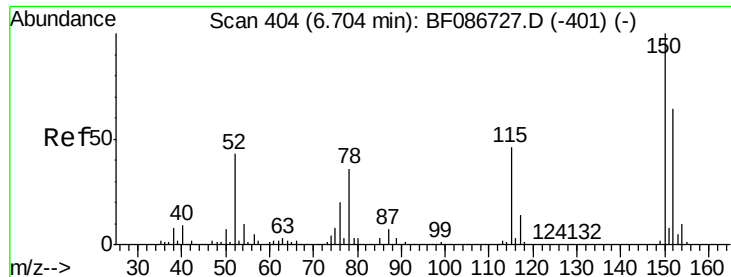
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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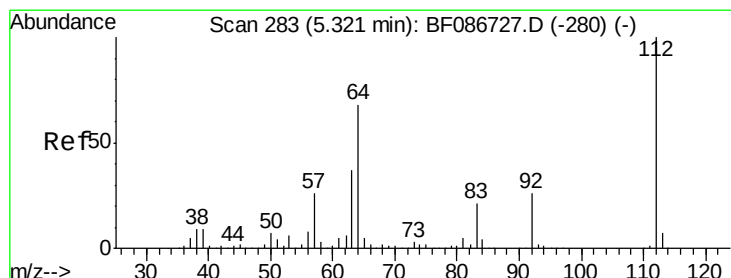
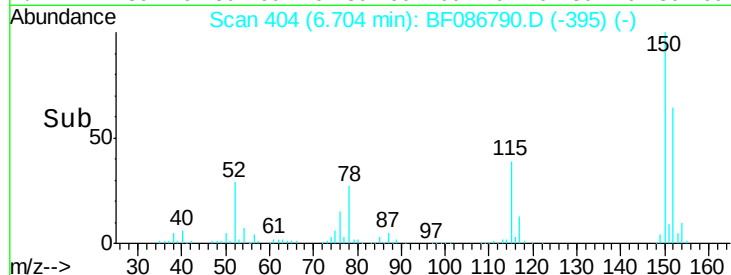
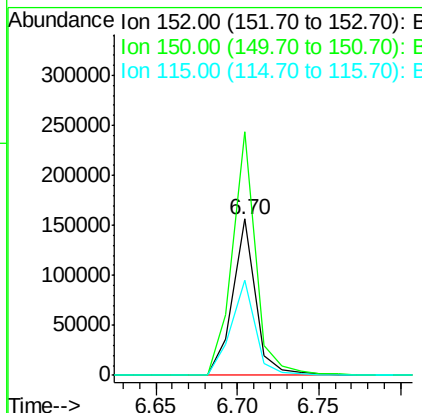
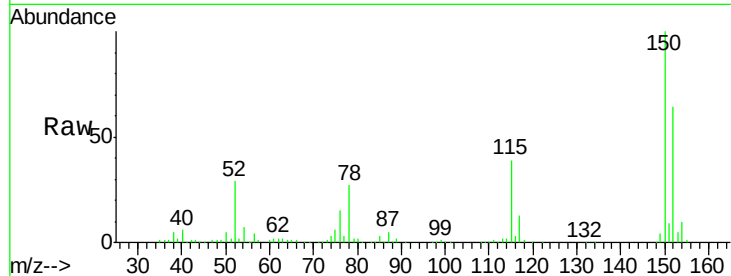


#1

1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.00 min
Lab File: BF086790.D
Acq: 7 May 2016 22:59

Instrument :
BNA_F
ClientSampleId :
HSR-WC-42-050416

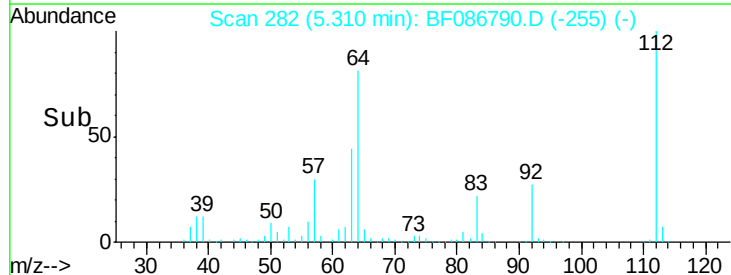
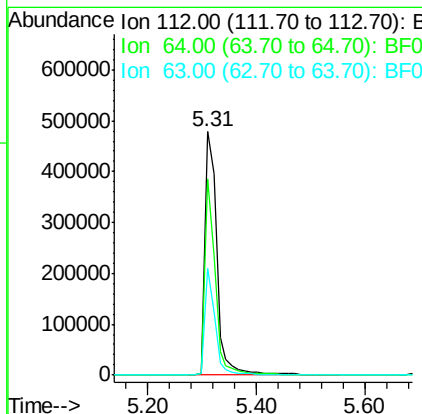
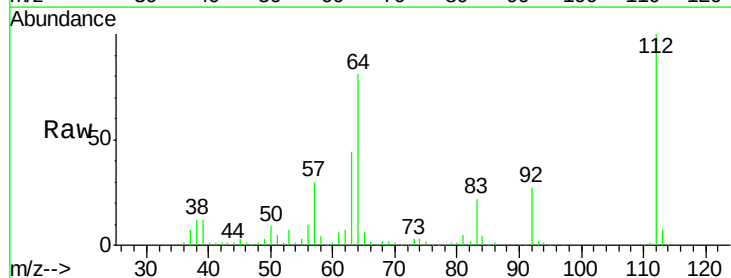
Tgt Ion:152 Resp: 152394
Ion Ratio Lower Upper
152 100
150 155.9 125.8 188.6
115 60.6 51.5 77.3

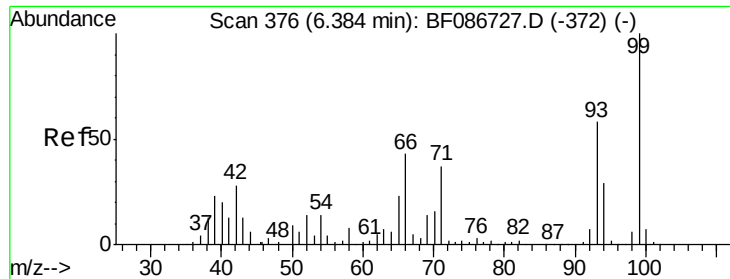


#5

2-Fluorophenol
Concen: 79.22 ng
RT: 5.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: BF086790.D
Acq: 7 May 2016 22:59

Tgt Ion:112 Resp: 729242
Ion Ratio Lower Upper
112 100
64 80.7 52.1 78.1#
63 44.0 25.7 38.5#





#7

Phenol-d6

Concen: 71.33 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

Instrument :

BNA_F

ClientSampleId :

HSR-WC-42-050416

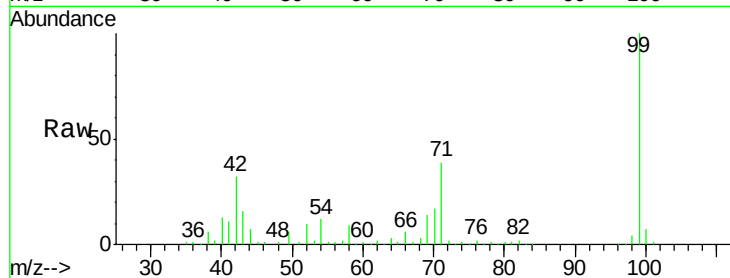
Tgt Ion: 99 Resp: 884452

Ion Ratio Lower Upper

99 100

42 32.4 13.6 20.4#

71 39.5 24.6 36.8#



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

800000

600000

400000

200000

0

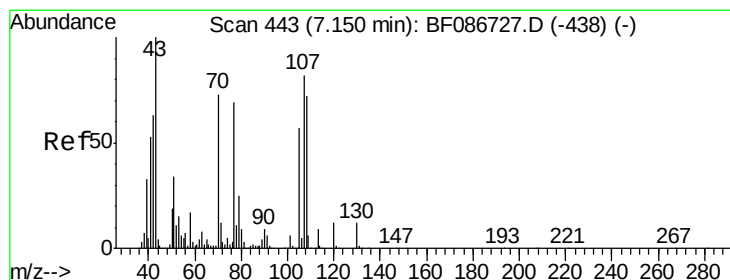
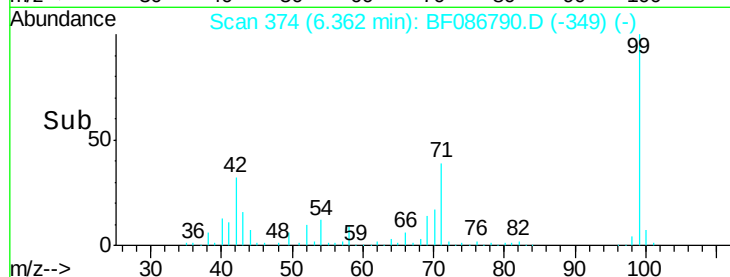
6.36

6.30

6.40

6.50

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 11.72 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.14 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

Tgt Ion: 70 Resp: 99294

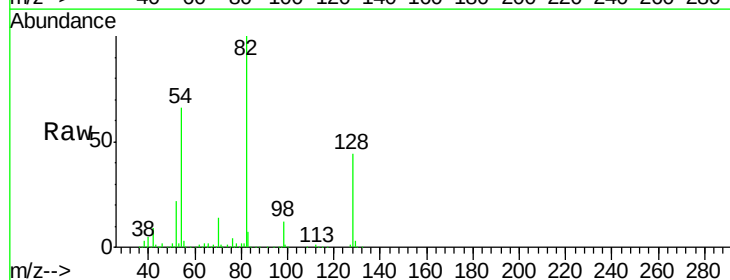
Ion Ratio Lower Upper

70 100

42 62.2 43.1 64.7

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#



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

120000

100000

80000

60000

40000

20000

0

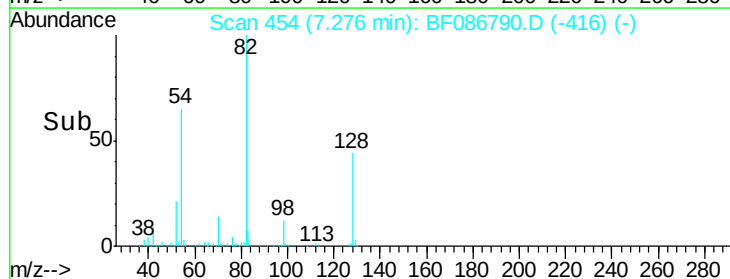
7.28

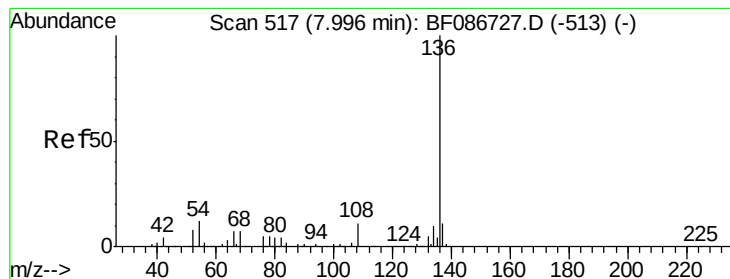
7.20

7.30

7.40

Time-->





#21

Naphthalene-d8

Concen: 40.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

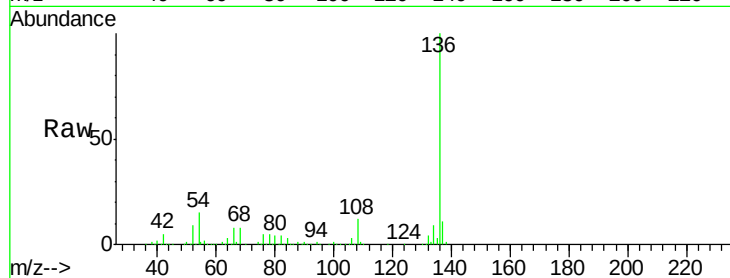
Instrument :

BNA_F

ClientSampleId :

HSR-WC-42-050416

Tgt Ion:	136	Resp:	619404
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	14.7	5.0	7.4#
68	7.8	4.4	6.6#

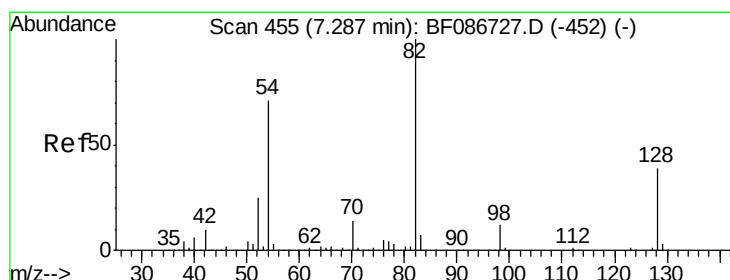
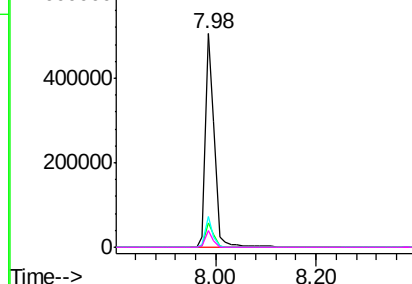
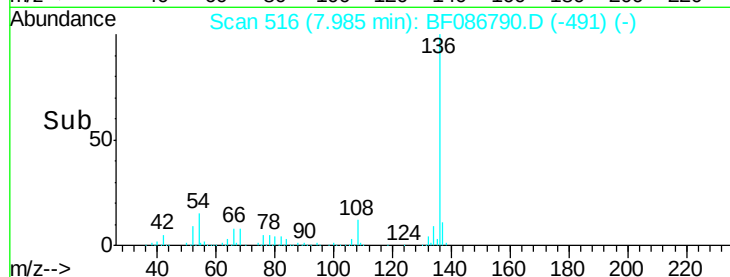


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.09 ng

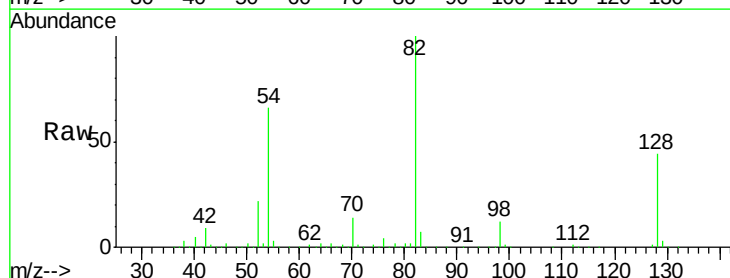
RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

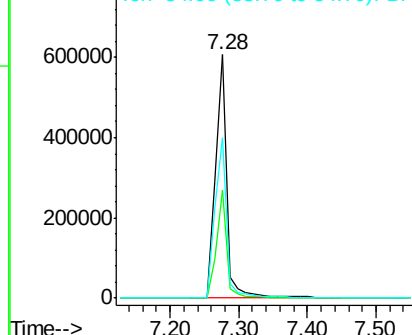
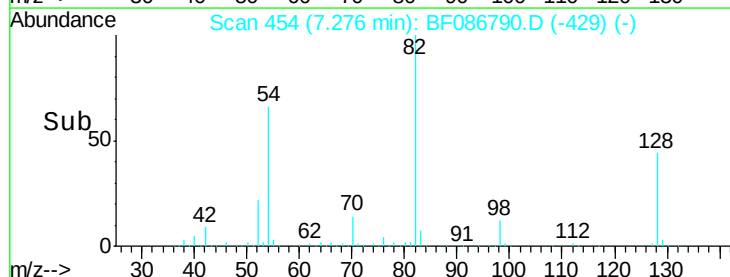
Tgt Ion:	82	Resp:	712239
Ion	Ratio	Lower	Upper
82	100		
128	44.1	40.6	61.0
54	65.8	38.1	57.1#

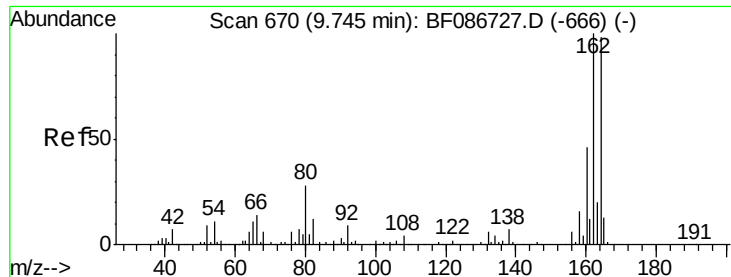


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.01 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

Instrument :

BNA_F

ClientSampleId :

HSR-WC-42-050416

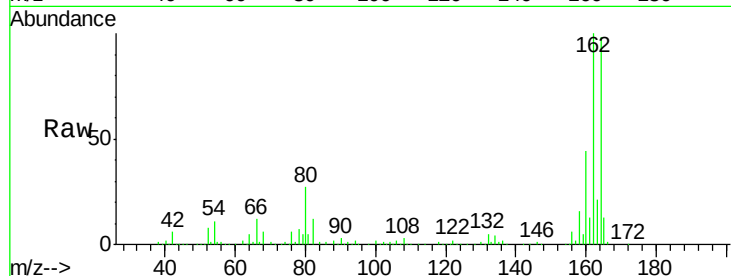
Tgt Ion:164 Resp: 294414

Ion Ratio Lower Upper

164 100

162 102.1 82.8 124.2

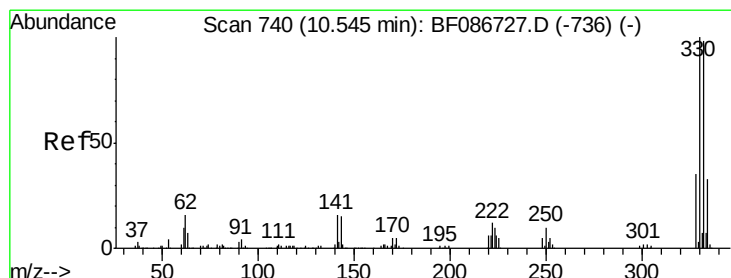
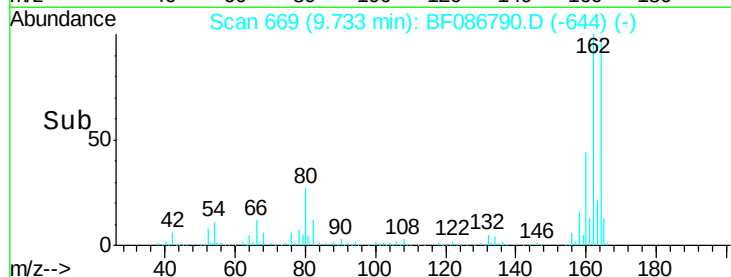
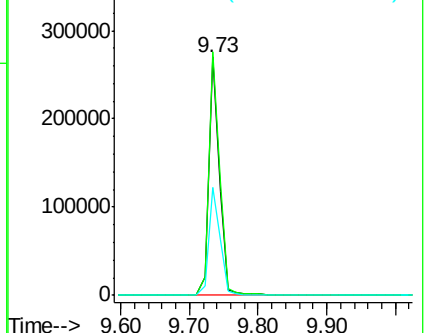
160 45.2 36.9 55.3



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: 86.16 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

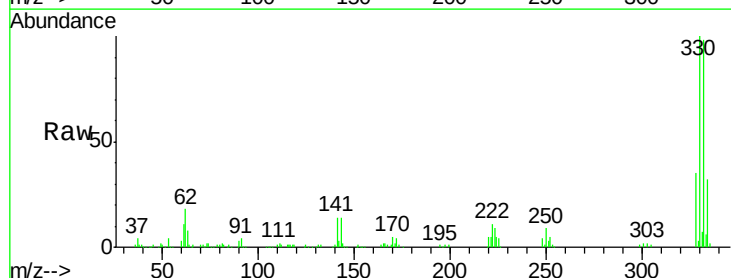
Tgt Ion:330 Resp: 248137

Ion Ratio Lower Upper

330 100

332 96.7 79.0 118.4

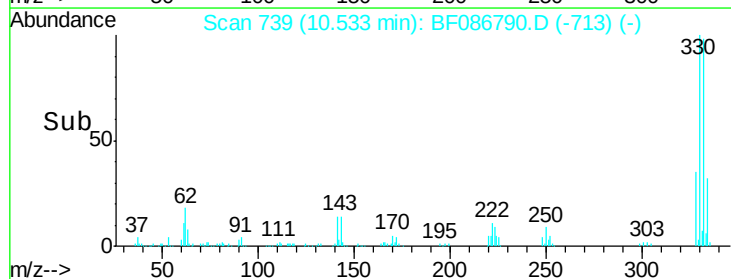
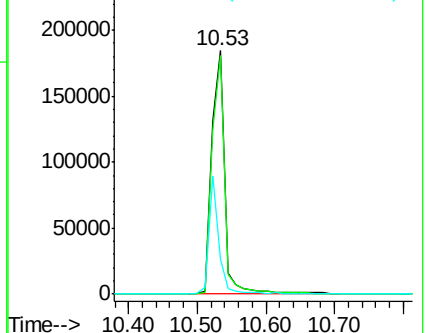
141 37.4 31.2 46.8

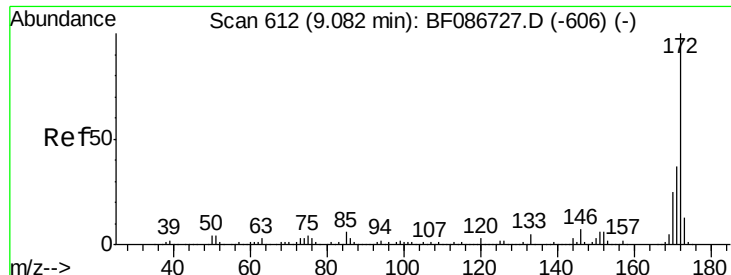


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

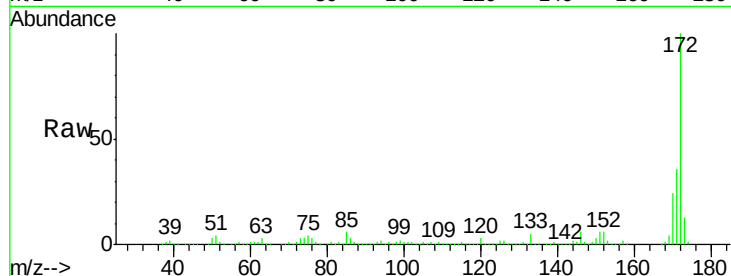




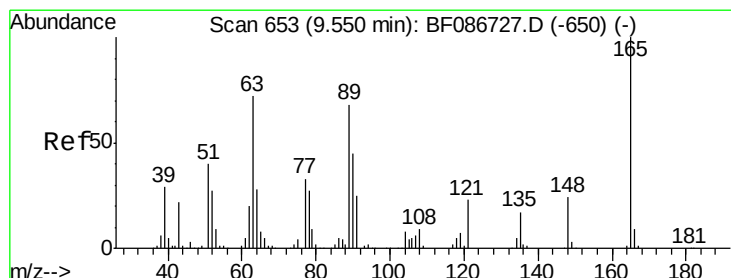
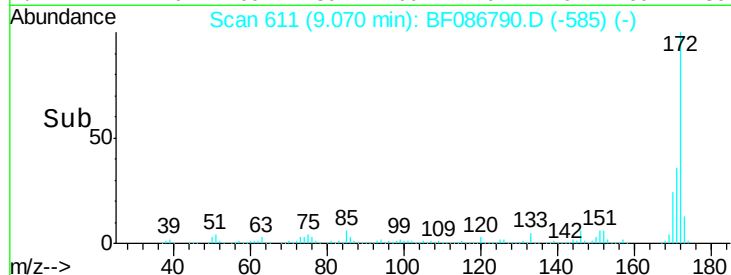
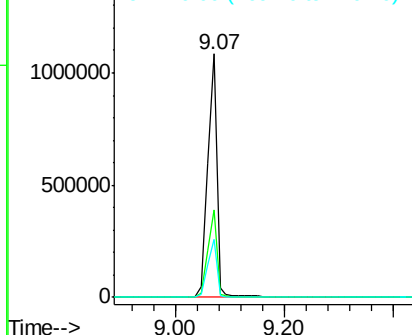
#44
 2-Fluorobiphenyl
 Concen: 70.57 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: BF086790.D
 Acq: 7 May 2016 22:59

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-42-050416

Tgt Ion:172 Resp: 1267405
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 24.0 19.8 29.8

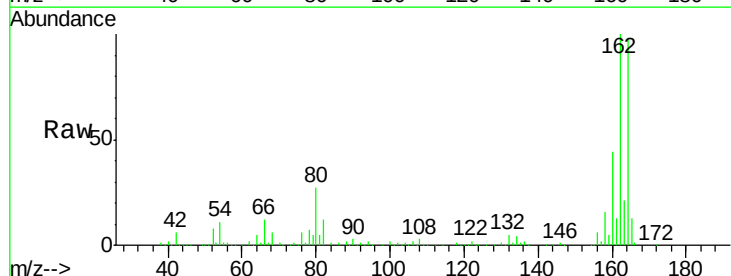


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

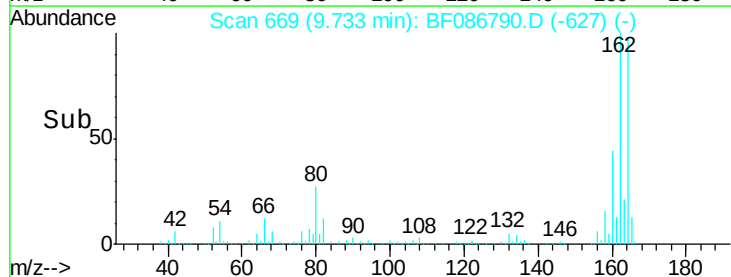
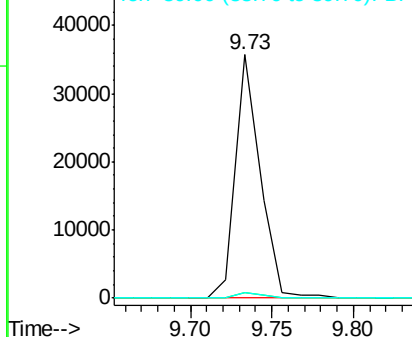


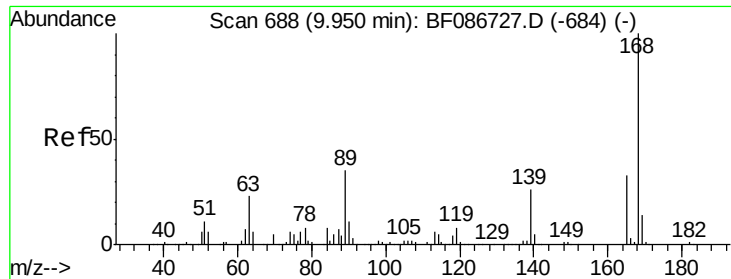
#50
 2,6-Dinitrotoluene
 Concen: 7.92 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.18 min
 Lab File: BF086790.D
 Acq: 7 May 2016 22:59

Tgt Ion:165 Resp: 37283
 Ion Ratio Lower Upper
 165 100
 63 2.4 51.8 77.8#
 89 2.2 50.7 76.1#



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: 9.73 min Scan# 669

Delta R.T. -0.22 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

Instrument :

BNA_F

ClientSampleId :

HSR-WC-42-050416

Tgt Ion:165 Resp: 37284

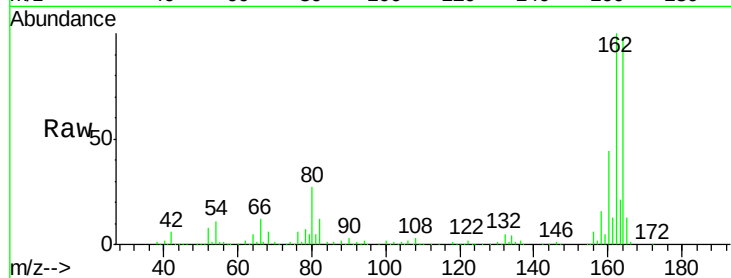
Ion Ratio Lower Upper

165 100

63 2.4 44.3 66.5#

89 2.2 70.0 105.0#

182 0.0 1.8 2.6#

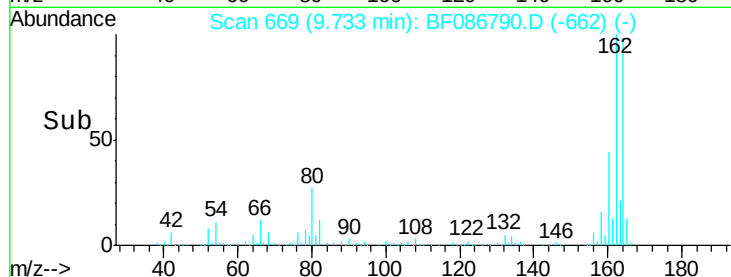


Abundance Ion 165.00 (164.70 to 165.70): E

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



Abundance

Ion 165.00 (164.70 to 165.70): E

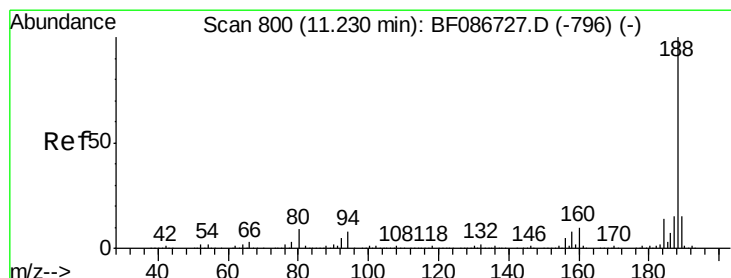
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time-->

9.65 9.70 9.75 9.80



#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

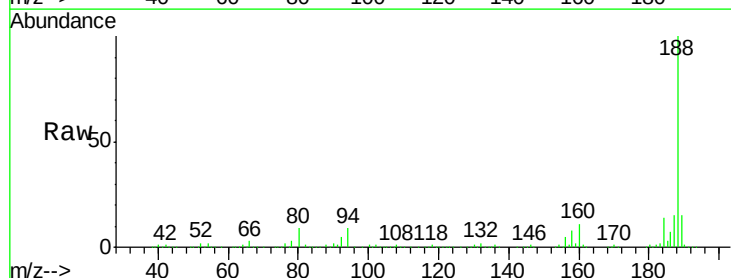
Tgt Ion:188 Resp: 555813

Ion Ratio Lower Upper

188 100

94 8.8 6.8 10.2

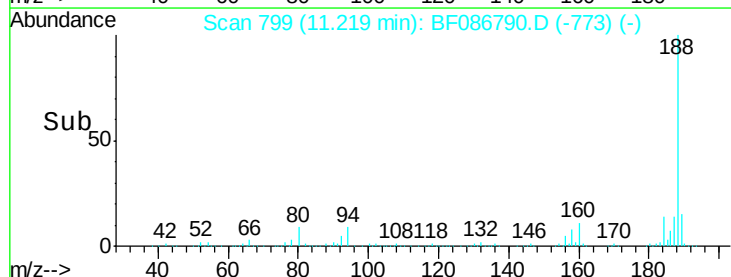
80 9.1 7.1 10.7



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



Abundance

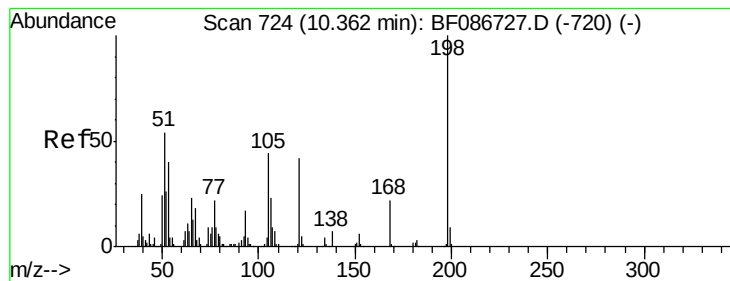
Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->

11.20 11.40



#64

4,6-Dinitro-2-methylphenol

Concen: 5.38 ng

RT: 10.52 min Scan# 738

Delta R.T. 0.17 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

Instrument :

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HSR-WC-42-050416

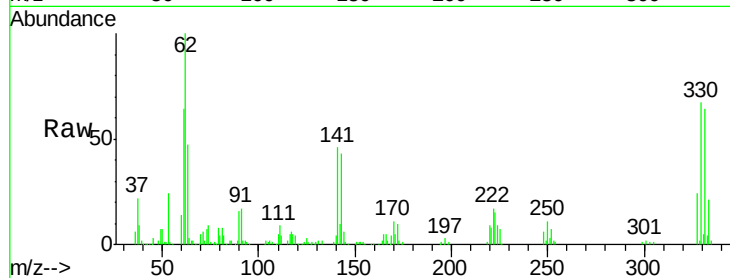
Tgt Ion:198 Resp: 410

Ion Ratio Lower Upper

198 100

51 337.0 20.5 60.5#

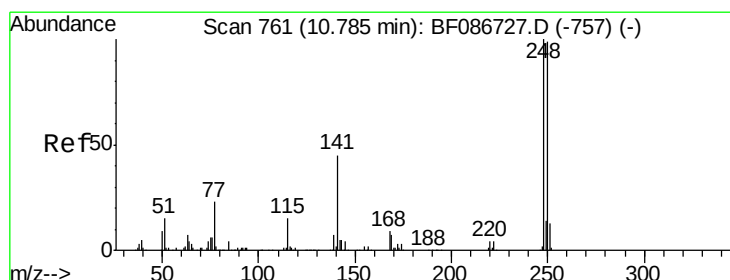
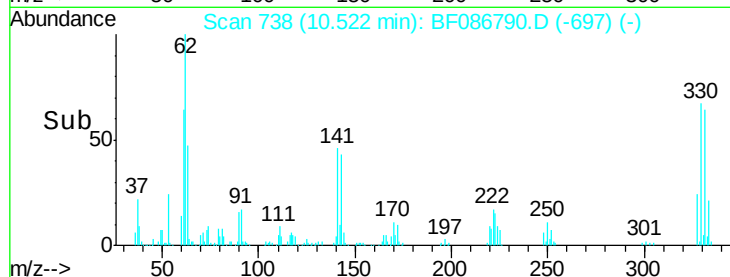
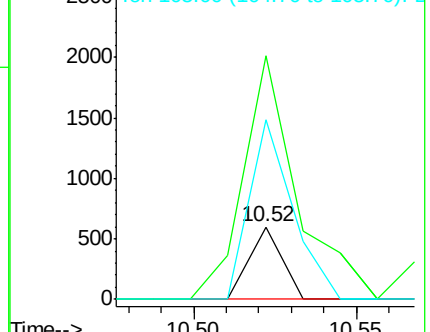
105 249.2 24.5 64.5#



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: 2.61 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.25 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

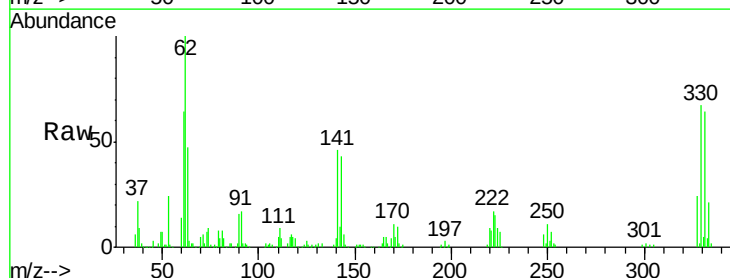
Tgt Ion:248 Resp: 14426

Ion Ratio Lower Upper

248 100

250 198.1 78.6 117.8#

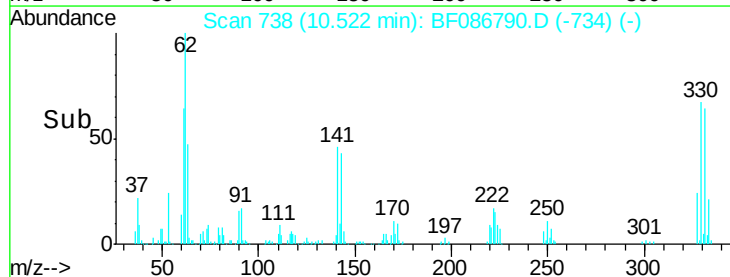
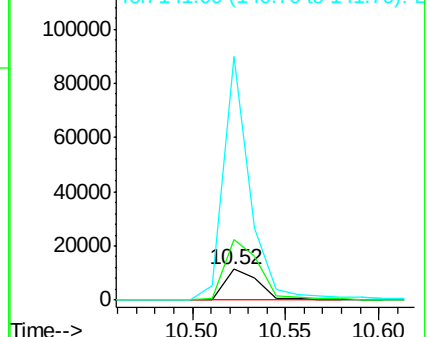
141 797.5 76.0 114.0#

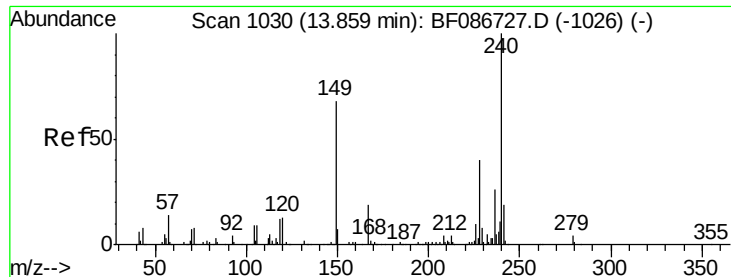


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

Instrument :

BNA_F

ClientSampleId :

HSR-WC-42-050416

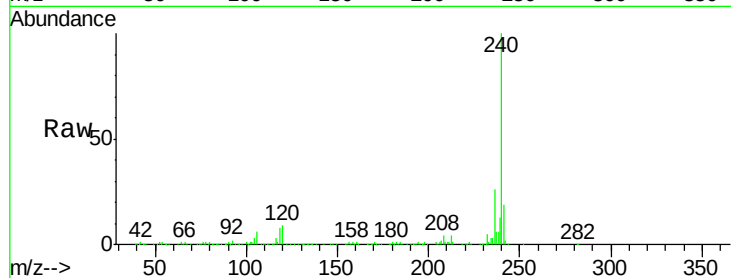
Tgt Ion:240 Resp: 372216

Ion Ratio Lower Upper

240 100

120 8.9 11.2 16.8#

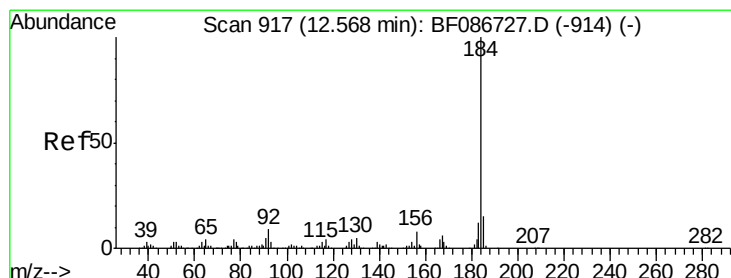
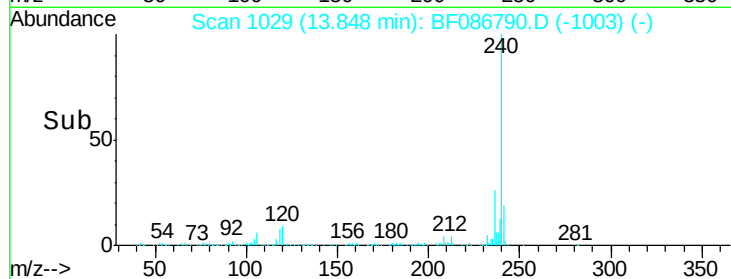
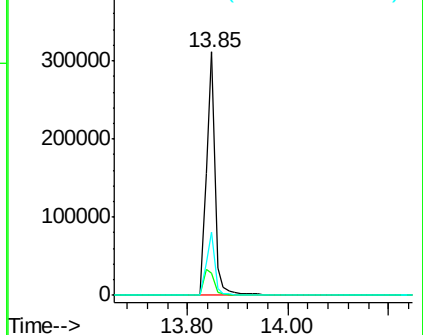
236 25.9 21.2 31.8



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



#76

Benzidine

Concen: 8.48 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.24 min

Lab File: BF086790.D

Acq: 7 May 2016 22:59

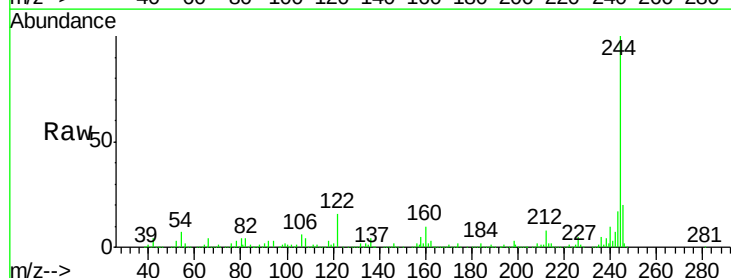
Tgt Ion:184 Resp: 16555

Ion Ratio Lower Upper

184 100

185 17.0 13.6 20.4

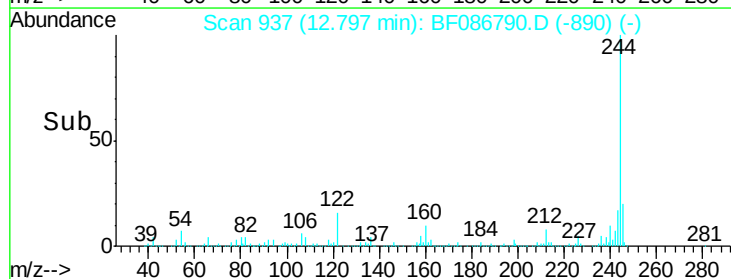
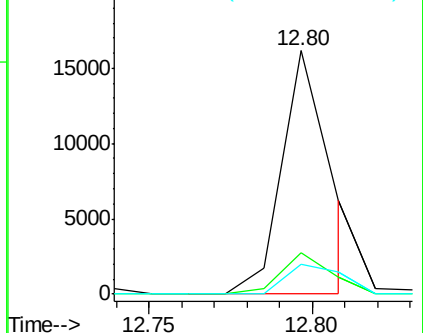
183 12.4 9.8 14.6

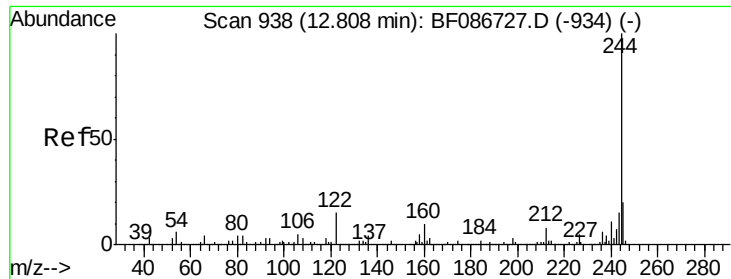


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

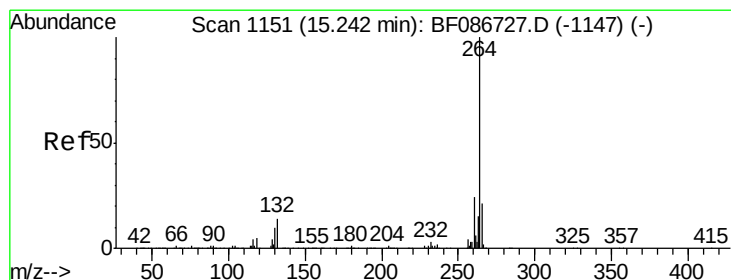
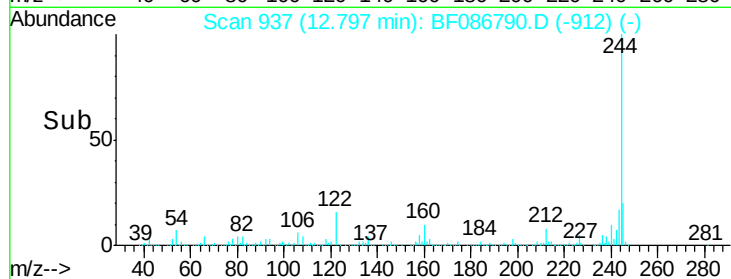
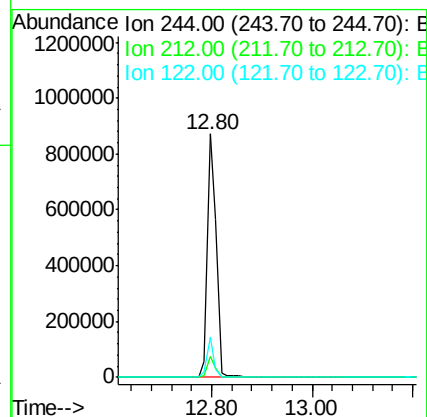
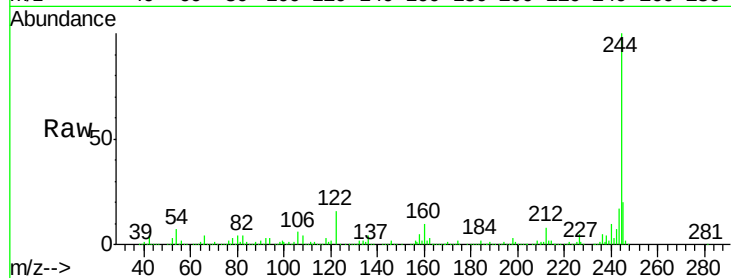




#78
 Terphenyl-d14
 Concen: 57.87 ng
 RT: 12.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF086790.D
 Acq: 7 May 2016 22:59

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-42-050416

Tgt Ion:244 Resp: 1065769
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.2 9.2
 122 16.2 12.0 18.0



#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.22 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF086790.D
 Acq: 7 May 2016 22:59

Tgt Ion:264 Resp: 298627
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.5 29.3
 265 22.0 17.3 25.9

