

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
 Data File : BF086710.D
 Acq On : 5 May 2016 15:28
 Operator : UM/SJ
 Sample : H2804-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILTER-CAKE

Quant Time: May 06 01:13:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	195579	40.00	ng	-0.01
21) Naphthalene-d8	8.01	136	799782	40.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	378394	40.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	768100	40.00	ng	-0.01
75) Chrysene-d12	13.87	240	601802	40.00	ng	-0.01
86) Perylene-d12	15.25	264	487332	40.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1116793	94.53	ng	0.01
7) Phenol-d6	6.37	99	1566001	98.40	ng	0.00
23) Nitrobenzene-d5	7.30	82	1605161	103.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	492775	133.13	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	2307384	99.96	ng	-0.01
78) Terphenyl-d14	12.83	244	2117979	71.13	ng	-0.01

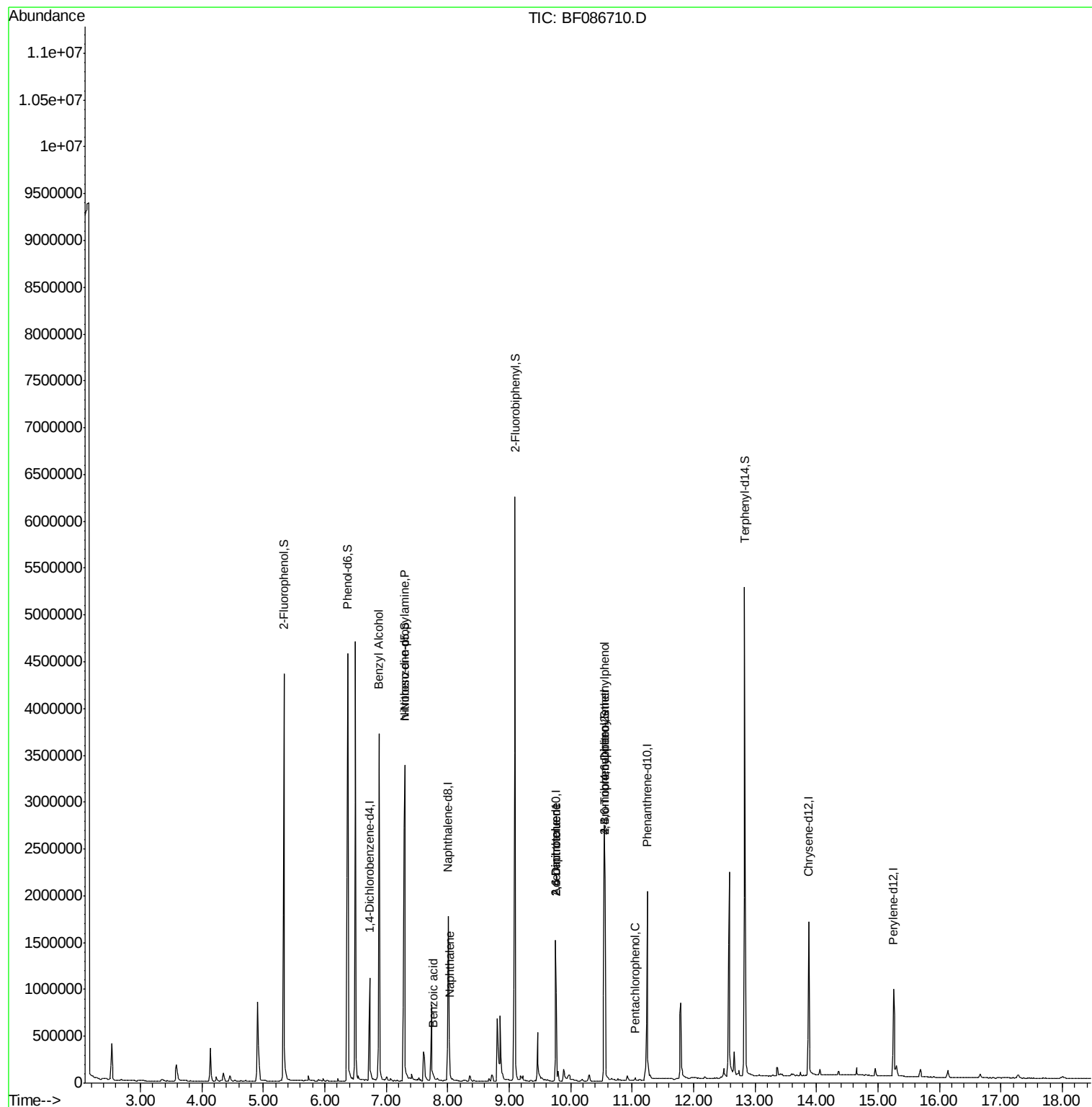
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.88	79	26161	2.54	ng	# 45
19) n-Nitroso-di-n-propylamine	7.30	70	224544	20.65	ng	# 80
31) Naphthalene	8.03	128	196018	4.80	ng	99
32) Benzoic acid	7.76	122	16189	11.13	ng	# 80
50) 2,6-Dinitrotoluene	9.76	165	49349	8.15	ng	# 20
56) 2,4-Dinitrotoluene	9.76	165	49353	6.58	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.54	198	1110	5.54	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	29457	3.86	ng	# 1
69) Pentachlorophenol	11.05	266	3406	6.52	ng	90

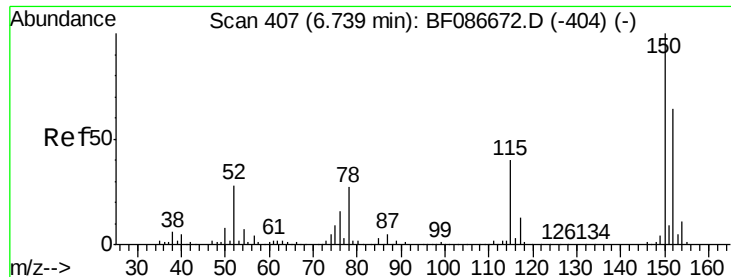
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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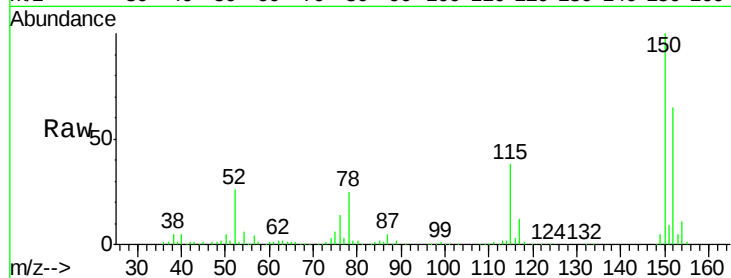


#1

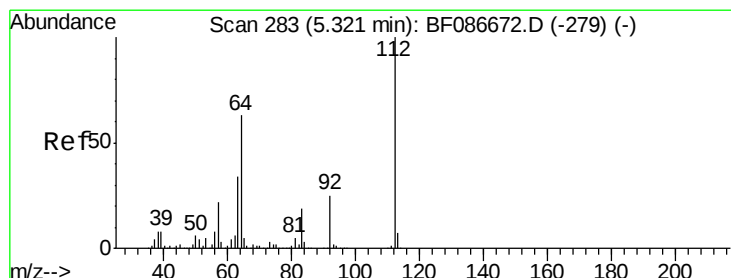
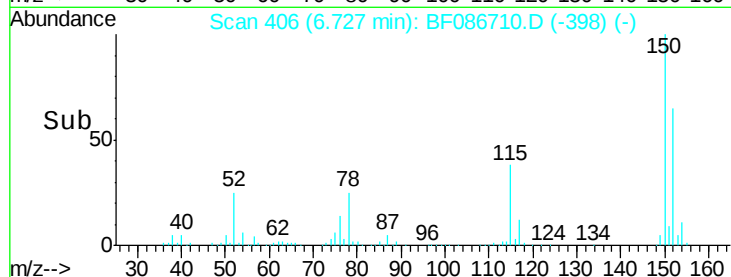
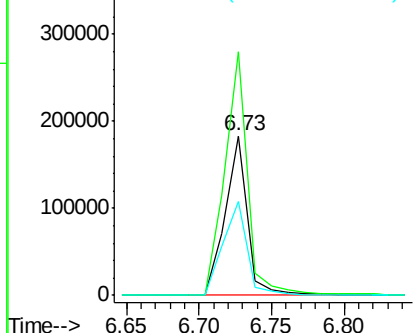
1,4-Dichlorobenzene-d4
 Concen: 40.00 ng
 RT: 6.73 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: BF086710.D
 Acq: 5 May 2016 15:28

Instrument :
 BNA_F
 ClientSampleId :
 FILTER-CAKE

Tgt Ion:152 Resp: 195579
 Ion Ratio Lower Upper
 152 100
 150 153.0 125.8 188.6
 115 58.9 51.5 77.3



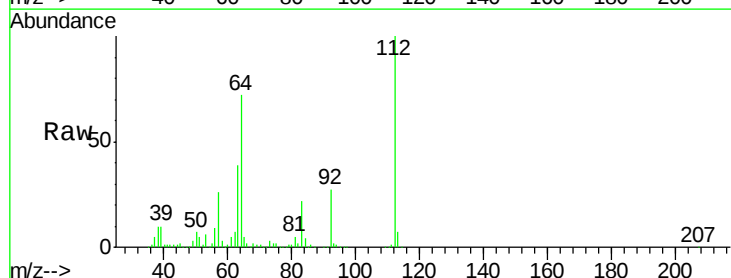
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



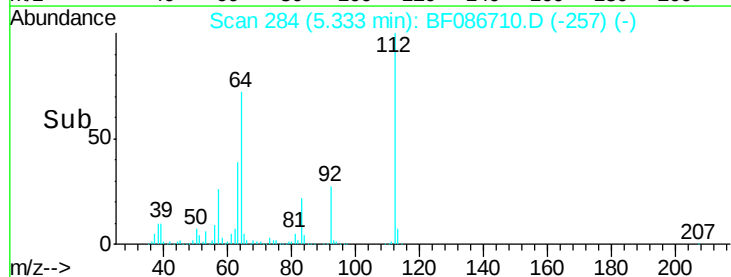
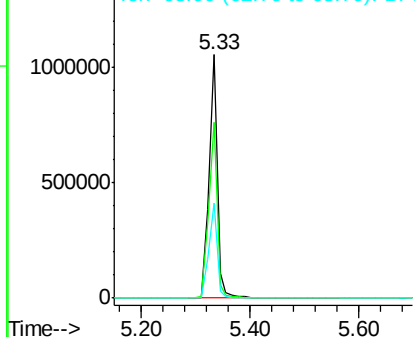
#5

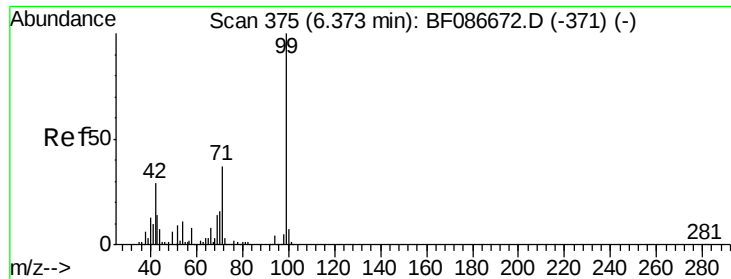
2-Fluorophenol
 Concen: 94.53 ng
 RT: 5.33 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: BF086710.D
 Acq: 5 May 2016 15:28

Tgt Ion:112 Resp: 1116793
 Ion Ratio Lower Upper
 112 100
 64 71.9 52.1 78.1
 63 38.8 25.7 38.5#



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: 98.40 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

FILTER-CAKE

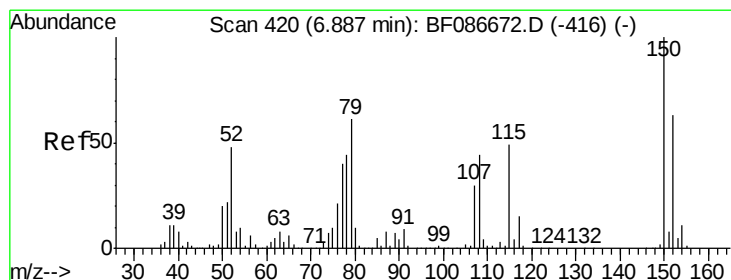
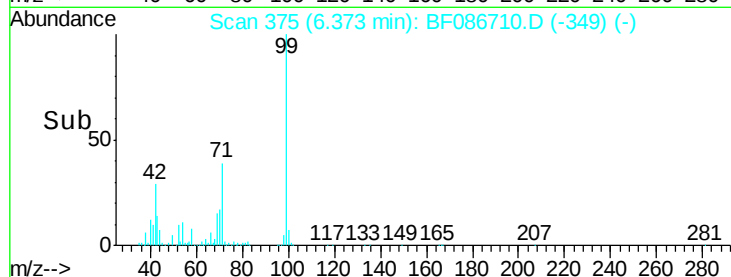
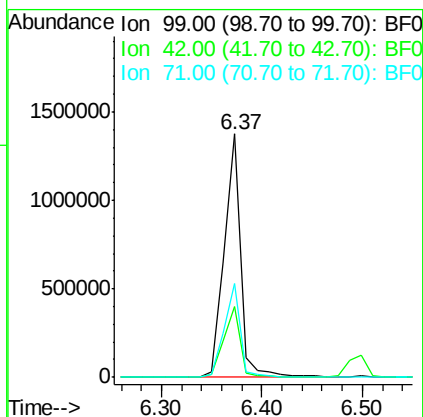
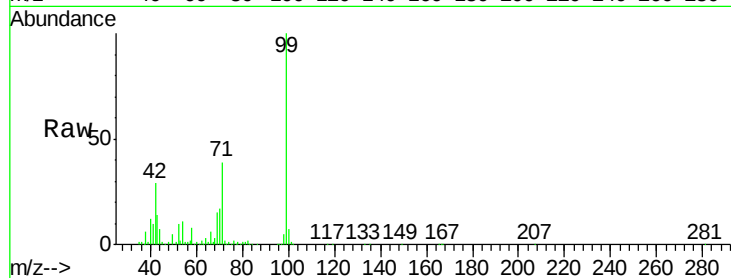
Tgt Ion: 99 Resp: 1566001

Ion Ratio Lower Upper

99 100

42 29.2 13.6 20.4#

71 38.6 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.54 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

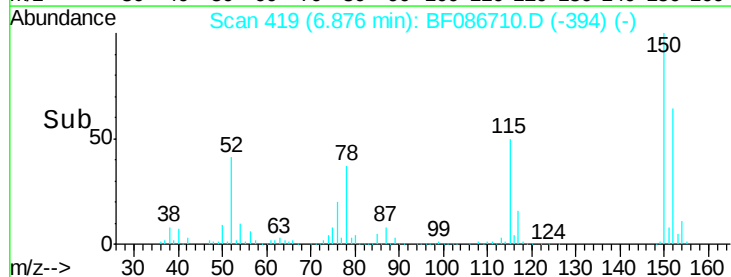
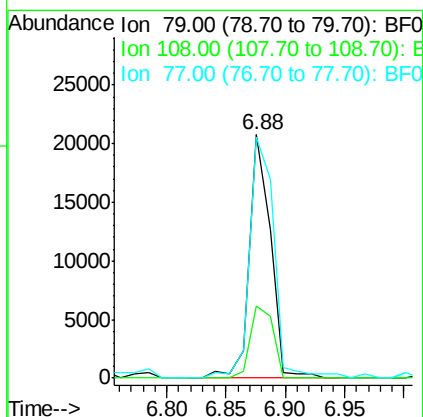
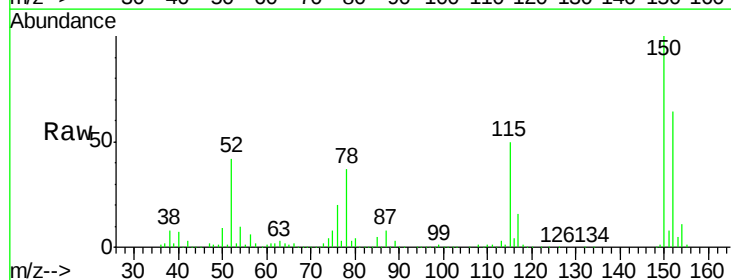
Tgt Ion: 79 Resp: 26161

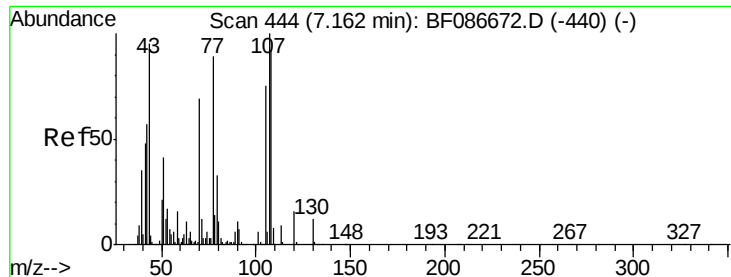
Ion Ratio Lower Upper

79 100

108 29.4 68.4 102.6#

77 98.9 50.6 76.0#

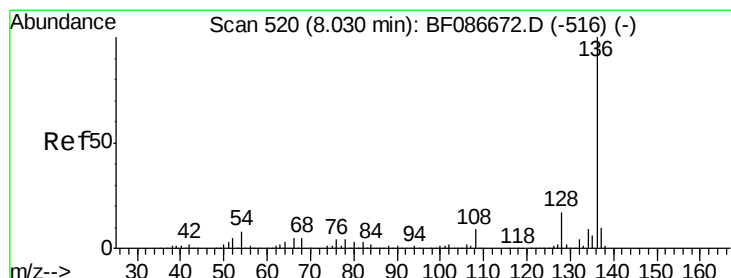
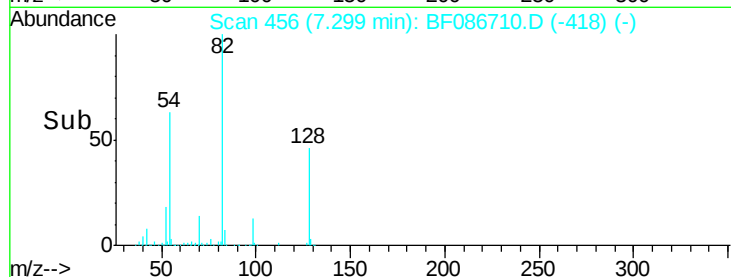
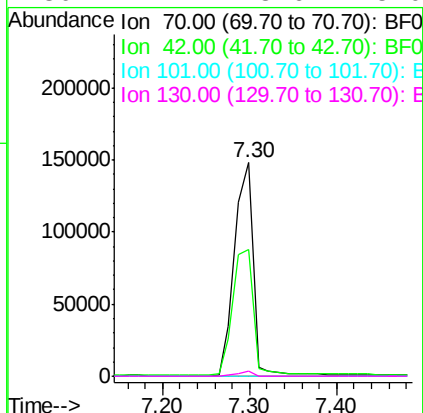
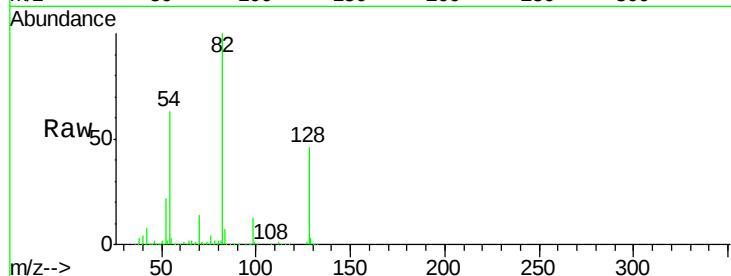




#19
n-Nitroso-di-n-propylamine
Concen: 20.65 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.14 min
Lab File: BF086710.D
Acq: 5 May 2016 15:28

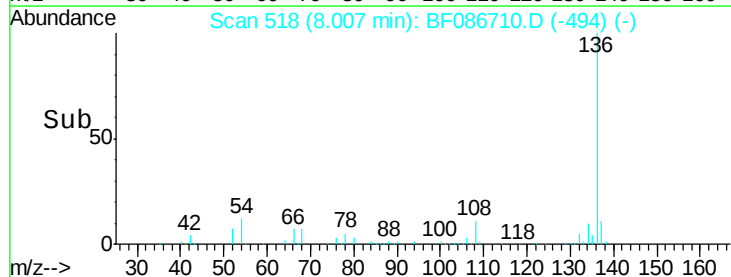
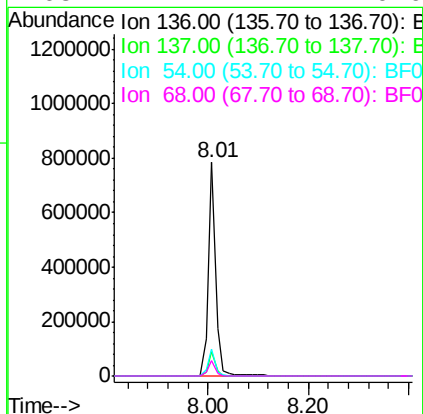
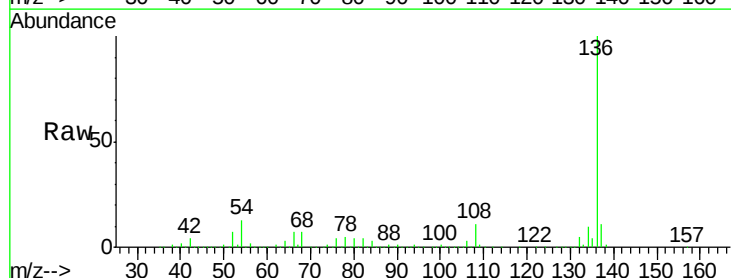
Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

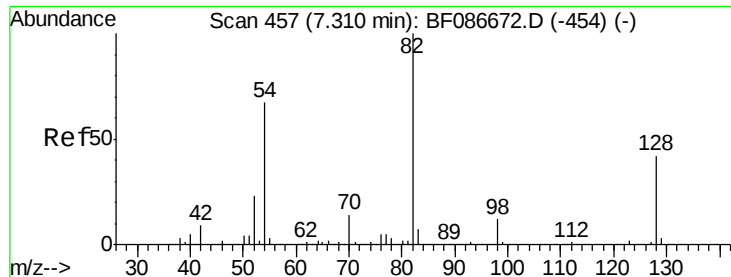
Tgt Ion: 70 Resp: 224544
Ion Ratio Lower Upper
70 100
42 59.5 43.1 64.7
101 0.0 8.1 12.1#
130 2.1 18.6 28.0#



#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF086710.D
Acq: 5 May 2016 15:28

Tgt Ion: 136 Resp: 799782
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 12.7 5.0 7.4#
68 7.1 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 103.14 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

FILTER-CAKE

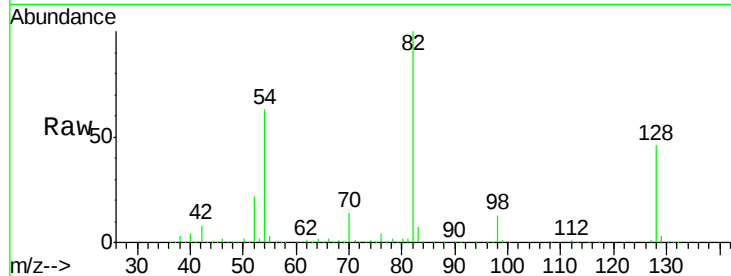
Tgt Ion: 82 Resp: 1605161

Ion Ratio Lower Upper

82 100

128 45.9 40.6 61.0

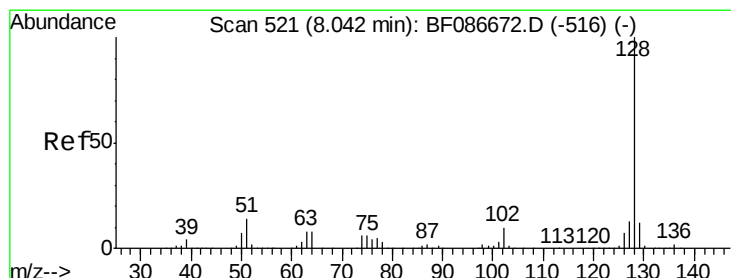
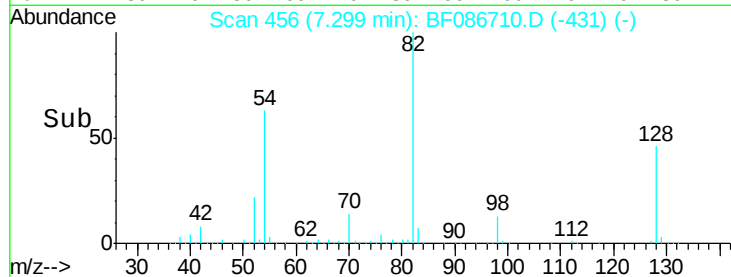
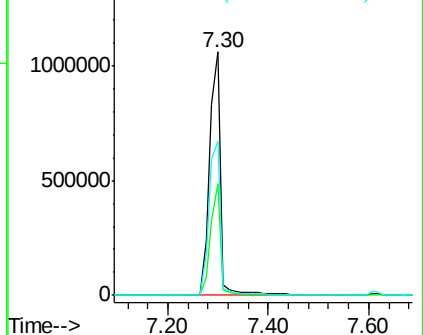
54 63.4 38.1 57.1#



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



#31

Naphthalene

Concen: 4.80 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

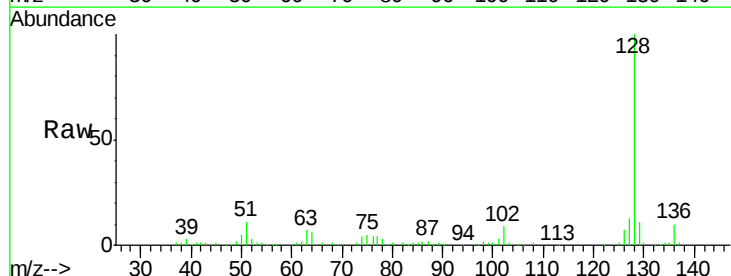
Tgt Ion: 128 Resp: 196018

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

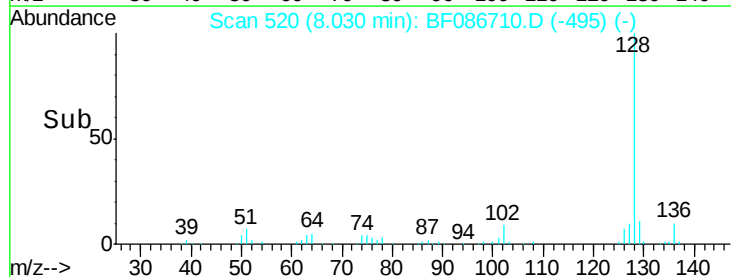
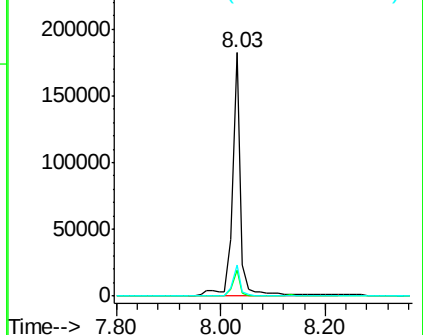
127 12.6 10.8 16.2

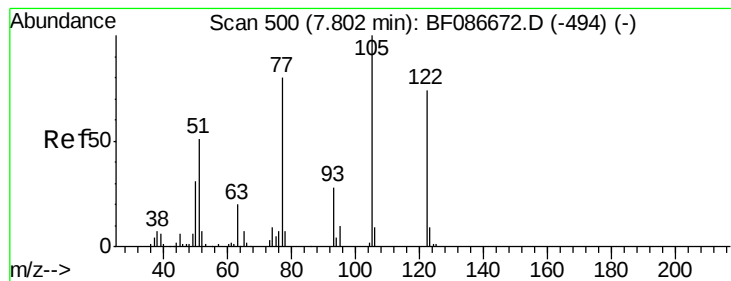


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 11.13 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.05 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

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FILTER-CAKE

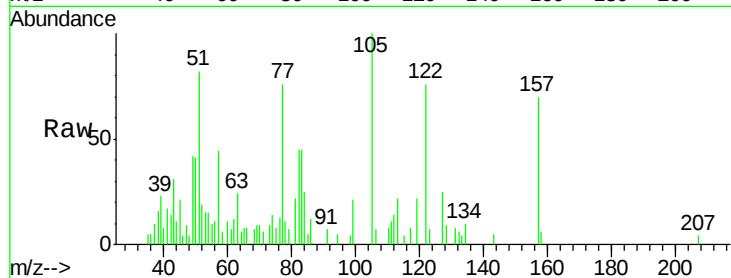
Tgt Ion:122 Resp: 16189

Ion Ratio Lower Upper

122 100

105 131.5 92.6 132.6

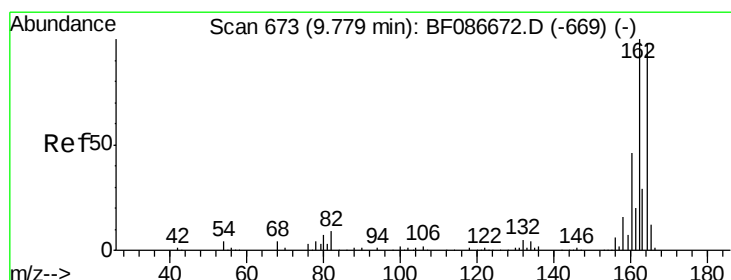
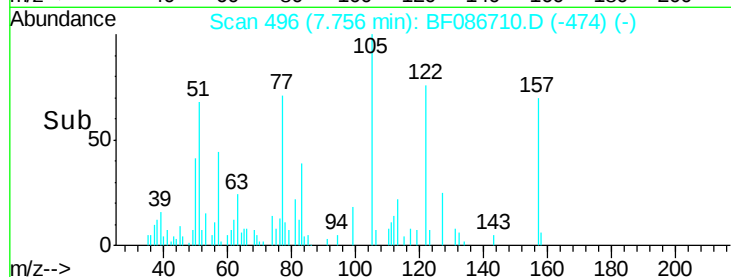
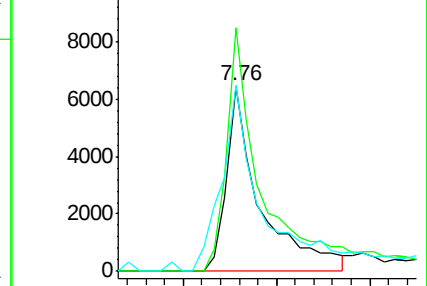
77 100.5 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

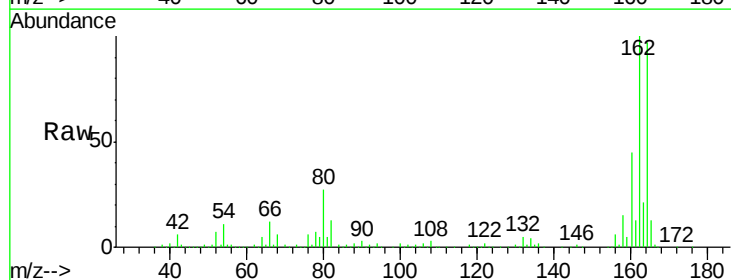
Tgt Ion:164 Resp: 378394

Ion Ratio Lower Upper

164 100

162 103.1 82.8 124.2

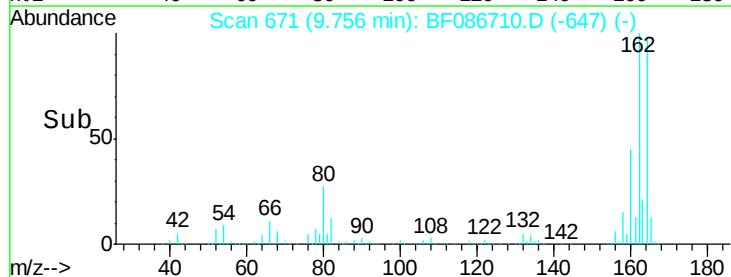
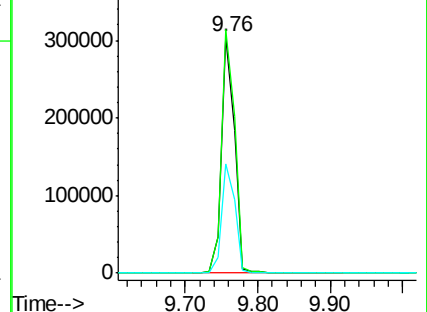
160 46.2 36.9 55.3

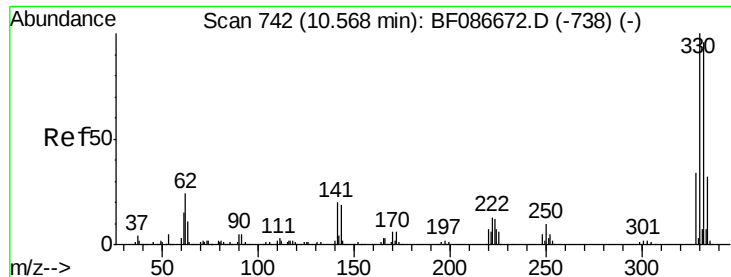


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

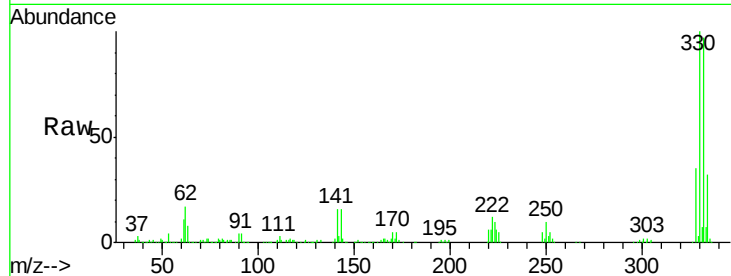




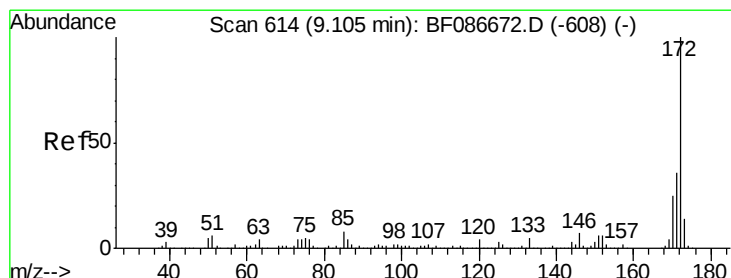
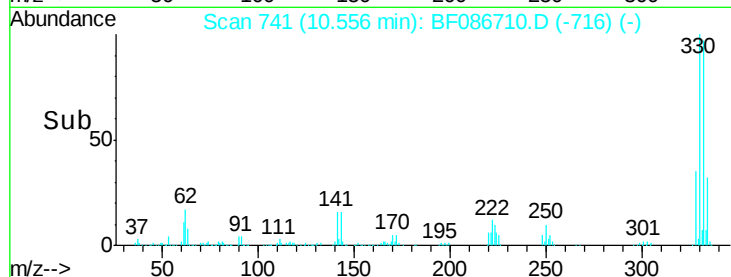
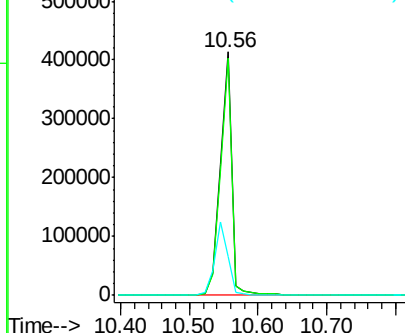
#41
 2,4,6-Tribromophenol
 Concen: 133.13 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF086710.D
 Acq: 5 May 2016 15:28

Instrument :
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 ClientSampleId :
 FILTER-CAKE

Tgt Ion:330 Resp: 492775
 Ion Ratio Lower Upper
 330 100
 332 96.6 79.0 118.4
 141 35.2 31.2 46.8

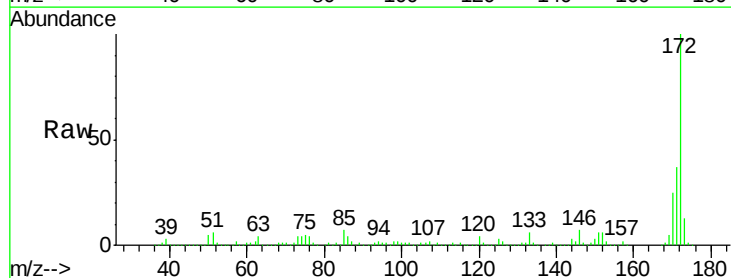


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

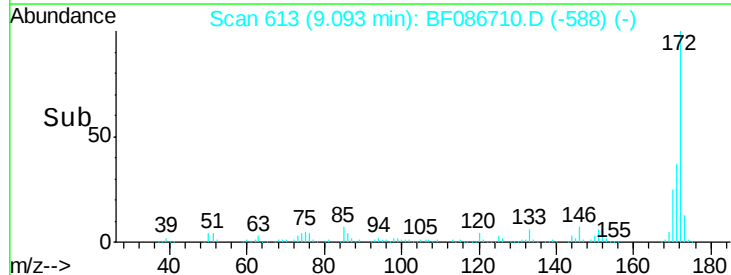
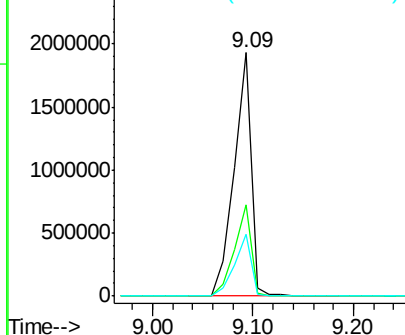


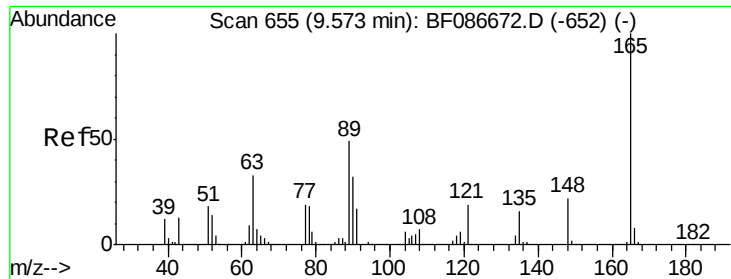
#44
 2-Fluorobiphenyl
 Concen: 99.96 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086710.D
 Acq: 5 May 2016 15:28

Tgt Ion:172 Resp: 2307384
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.0 43.6
 170 25.3 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: 8.15 ng

RT: 9.76 min Scan# 671

Delta R.T. 0.18 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

FILTER-CAKE

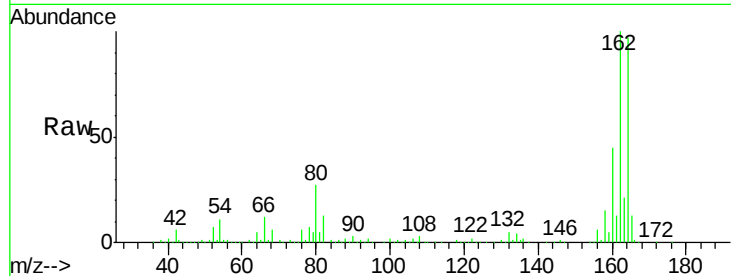
Tgt Ion:165 Resp: 49349

Ion Ratio Lower Upper

165 100

63 1.8 51.8 77.8#

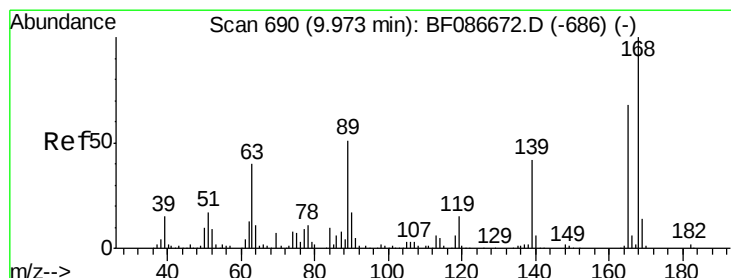
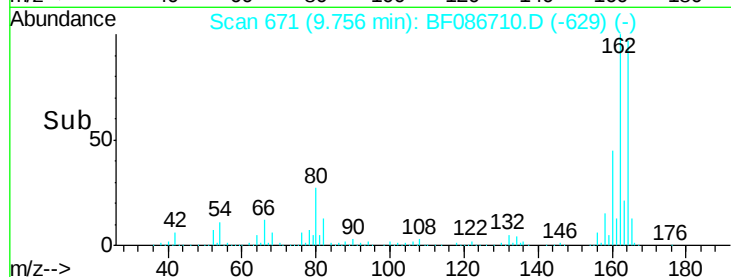
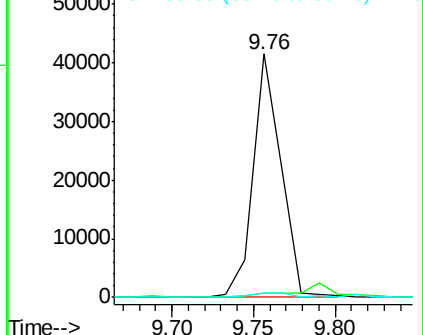
89 1.9 50.7 76.1#



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: 6.58 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.22 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Tgt Ion:165 Resp: 49353

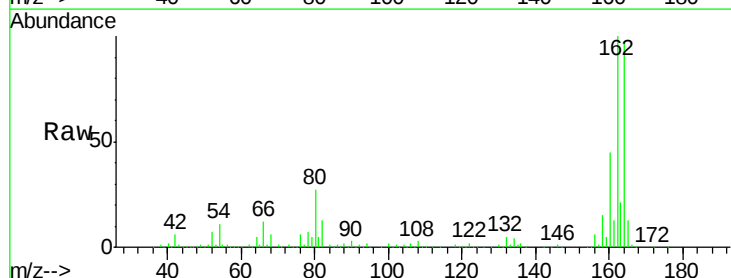
Ion Ratio Lower Upper

165 100

63 1.8 44.3 66.5#

89 1.9 70.0 105.0#

182 0.0 1.8 2.6#

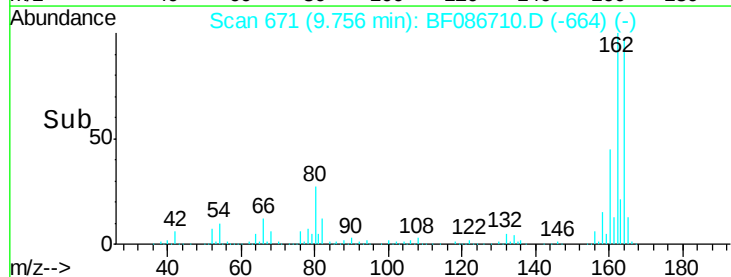
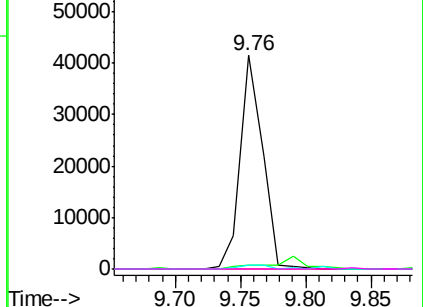


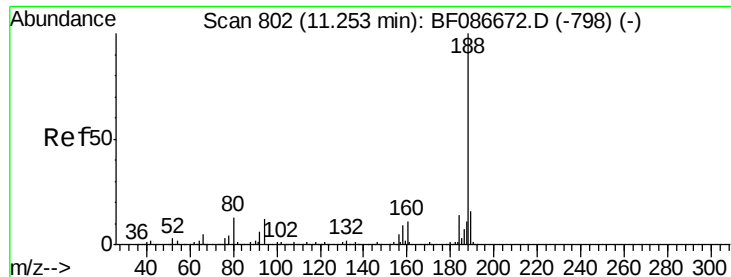
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

FILTER-CAKE

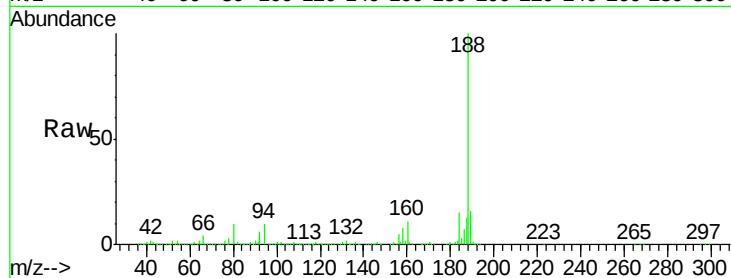
Tgt Ion:188 Resp: 768100

Ion Ratio Lower Upper

188 100

94 10.0 6.8 10.2

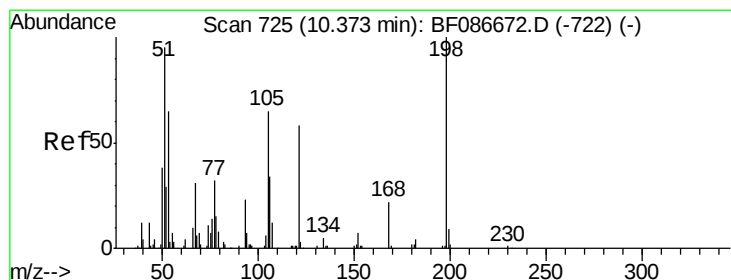
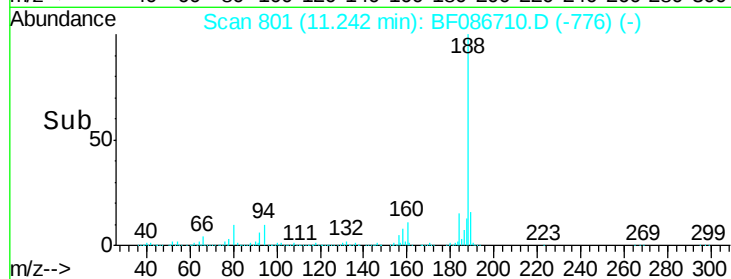
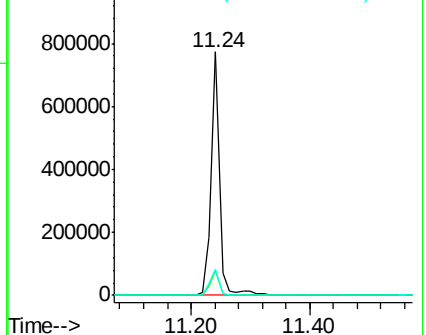
80 10.4 7.1 10.7



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.54 ng

RT: 10.54 min Scan# 740

Delta R.T. 0.17 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

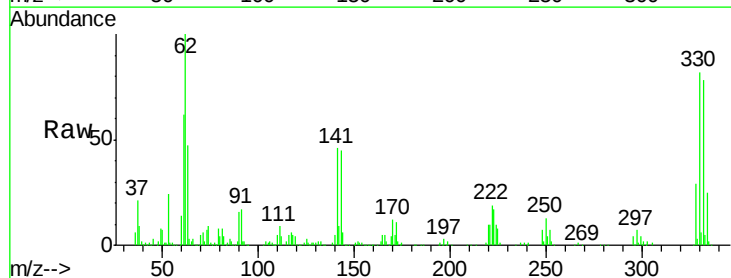
Tgt Ion:198 Resp: 1110

Ion Ratio Lower Upper

198 100

51 371.8 20.5 60.5#

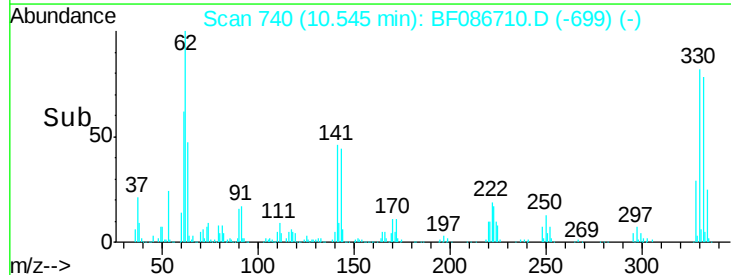
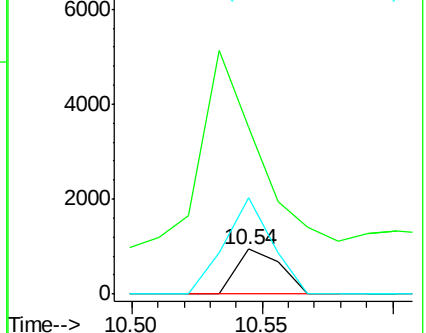
105 215.5 24.5 64.5#

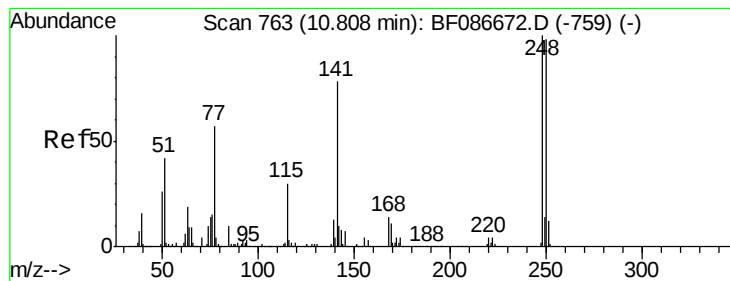


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.86 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.25 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

FILTER-CAKE

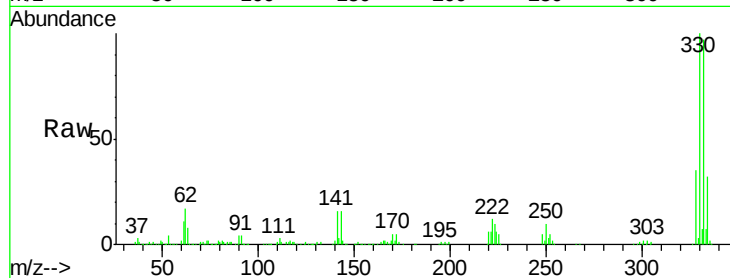
Tgt Ion:248 Resp: 29457

Ion Ratio Lower Upper

248 100

250 198.7 78.6 117.8#

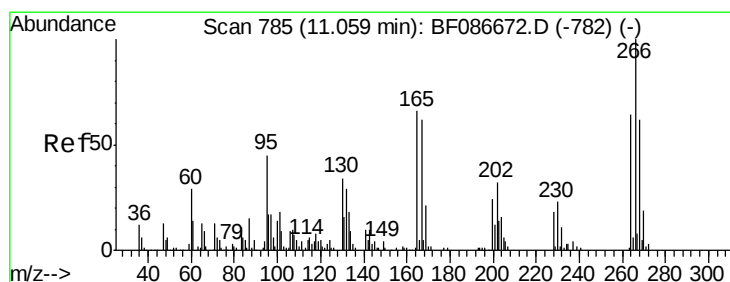
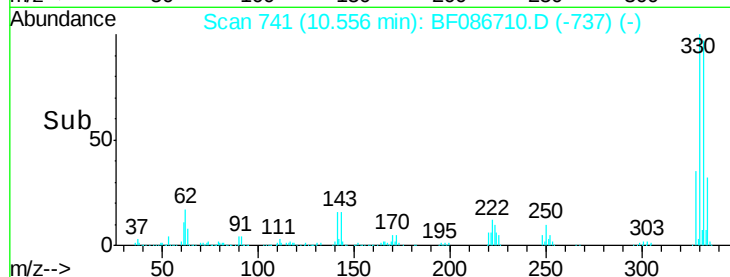
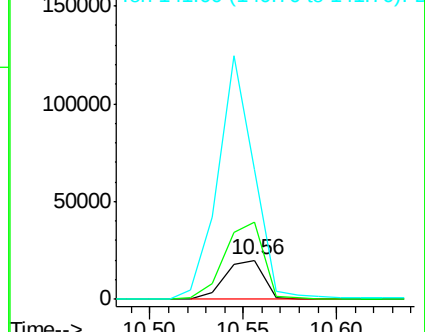
141 332.4 76.0 114.0#



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



#69

Pentachlorophenol

Concen: 6.52 ng

RT: 11.05 min Scan# 784

Delta R.T. -0.01 min

Lab File: BF086710.D

Acq: 5 May 2016 15:28

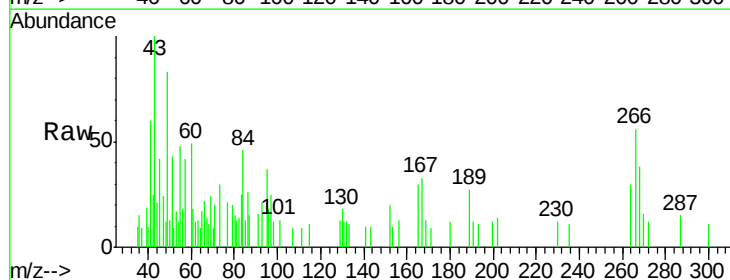
Tgt Ion:266 Resp: 3406

Ion Ratio Lower Upper

266 100

268 67.6 51.5 77.3

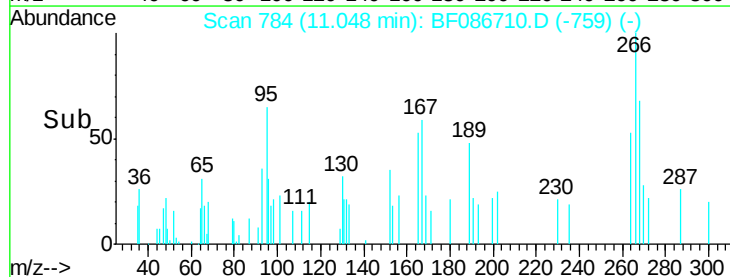
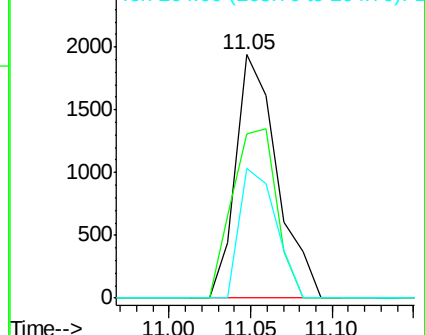
264 53.1 52.9 79.3

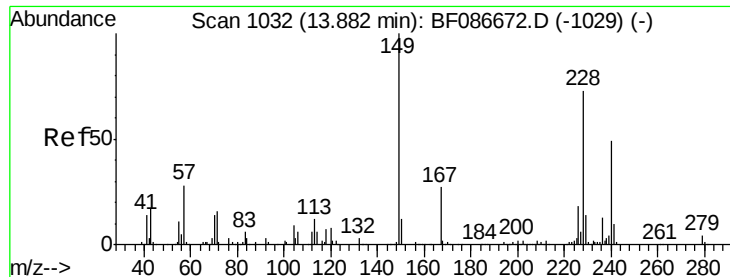


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

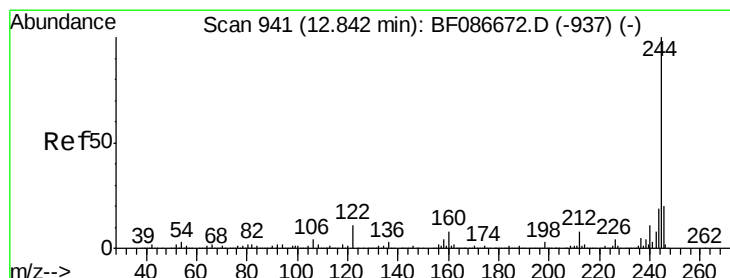
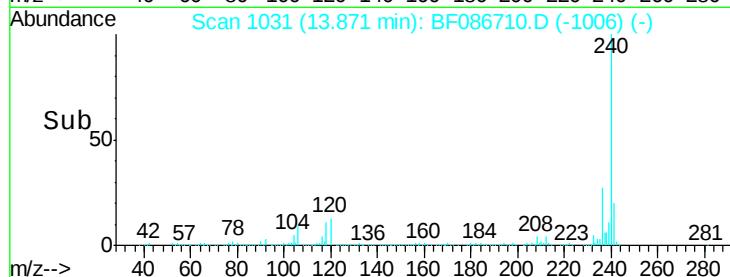
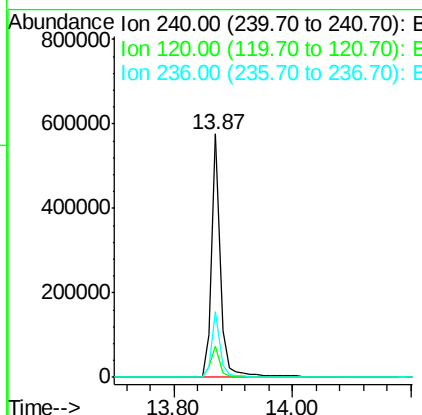
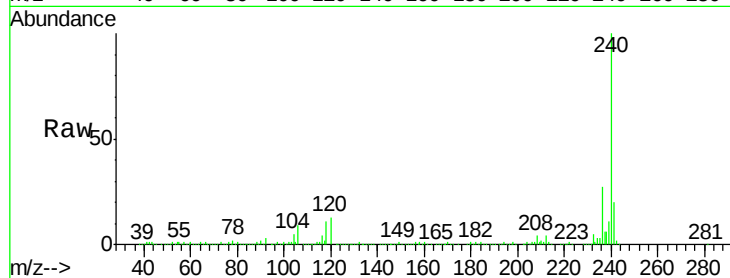




#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF086710.D
Acq: 5 May 2016 15:28

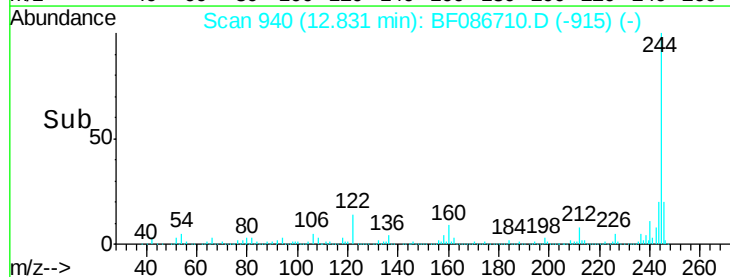
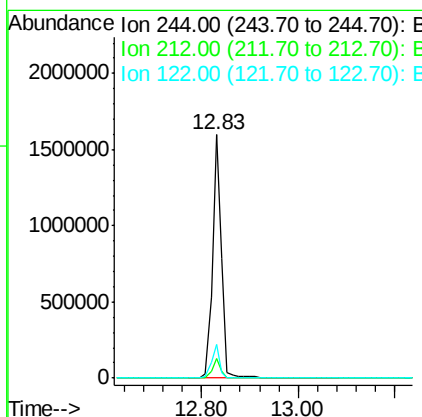
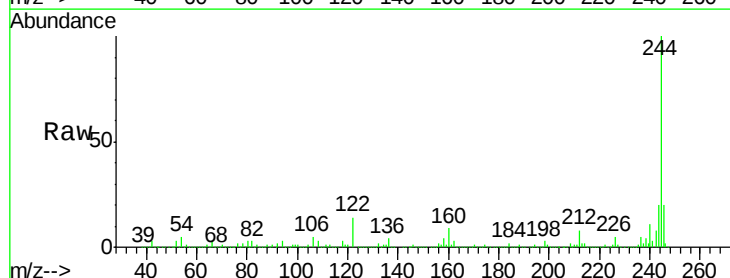
Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

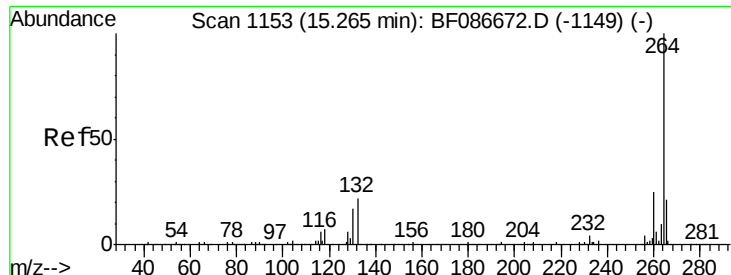
Tgt Ion:240 Resp: 601802
Ion Ratio Lower Upper
240 100
120 12.6 11.2 16.8
236 27.1 21.2 31.8



#78
Terphenyl-d14
Concen: 71.13 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF086710.D
Acq: 5 May 2016 15:28

Tgt Ion:244 Resp: 2117979
Ion Ratio Lower Upper
244 100
212 8.0 6.2 9.2
122 13.8 12.0 18.0

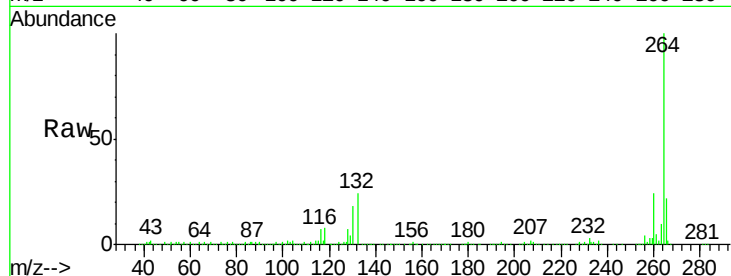




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF086710.D
Acq: 5 May 2016 15:28

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Tgt Ion: 264 Resp: 487332
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 22.2 17.3 25.9



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

