

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050616\
 Data File : BF086800.D
 Acq On : 8 May 2016 3:49
 Operator : UM/SJ
 Sample : H2866-02
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR9918-B

Quant Time: May 08 04:28:48 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

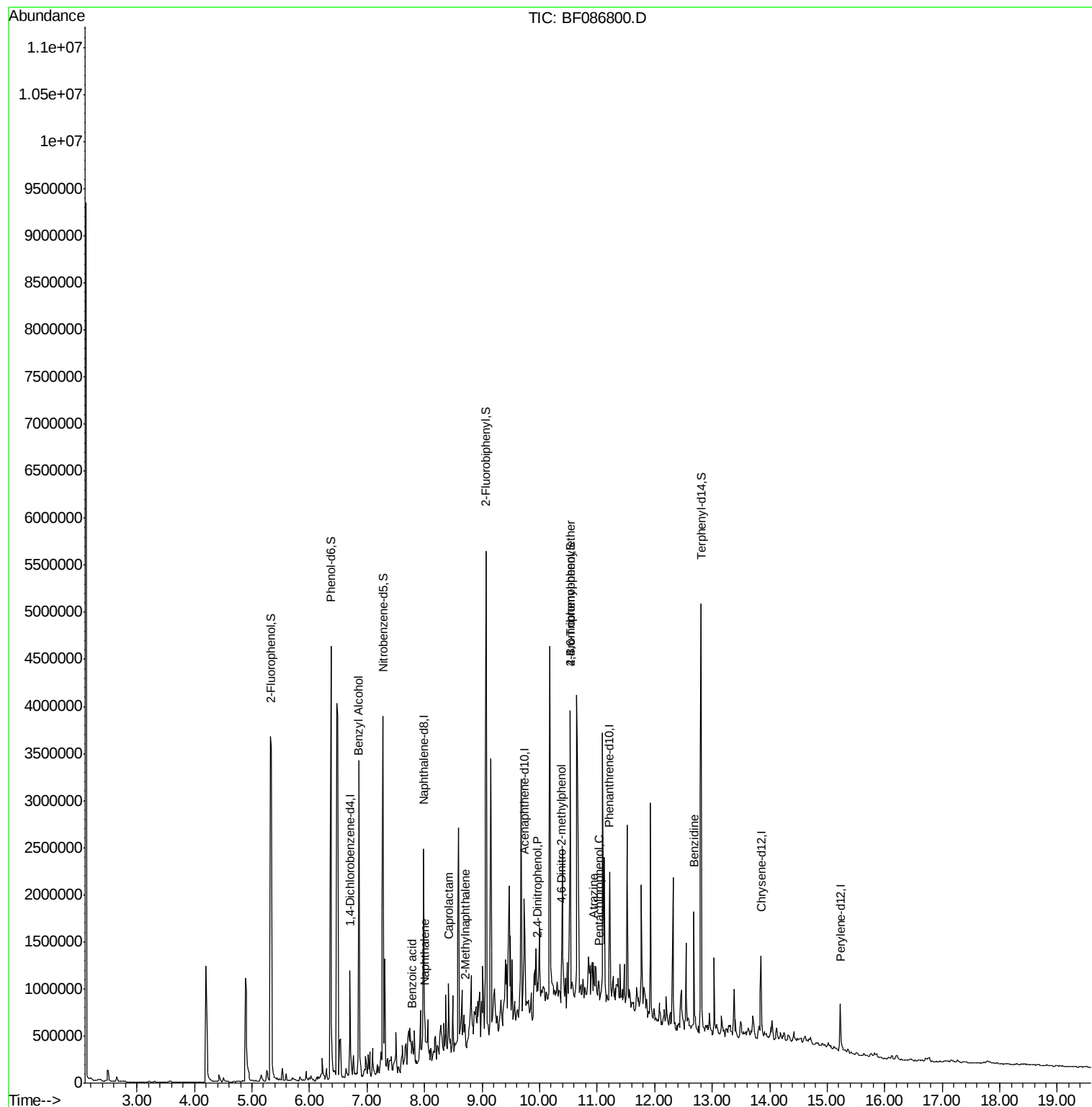
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	167295	40.00	ng	0.00
21) Naphthalene-d8	7.98	136	627827	40.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	283185	40.00	ng	-0.01
63) Phenanthrene-d10	11.22	188	494416	40.00	ng	0.00
75) Chrysene-d12	13.85	240	343067	40.00	ng	0.00
86) Perylene-d12	15.23	264	290142	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1389788	137.53	ng	0.03
7) Phenol-d6	6.37	99	1684506	123.75	ng	0.00
23) Nitrobenzene-d5	7.28	82	1256874	102.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	445167	160.70	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1905839	110.32	ng	0.00
78) Terphenyl-d14	12.81	244	1614722	95.12	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.85	79	23582	2.68	ng	# 41
31) Naphthalene	8.01	128	96410	3.01	ng	# 94
32) Benzoic acid	7.78	122	19178	12.51	ng	# 67
35) Caprolactam	8.42	113	17626	6.69	ng	# 1
37) 2-Methylnaphthalene	8.70	142	104854	5.54	ng	97
53) 2,4-Dinitrophenol	9.96	184	573	9.33	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.38	198	230	5.32	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	28326	5.77	ng	# 1
68) Atrazine	10.93	200	13476	2.80	ng	# 63
69) Pentachlorophenol	11.04	266	767	6.07	ng	# 46
76) Benzydine	12.68	184	675	7.15	ng	# 1

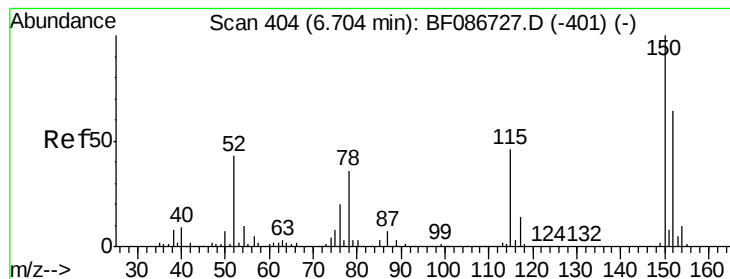
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086800.D

Acq: 8 May 2016 3:49

Instrument :

BNA_F

ClientSampleId :

LAR9918-B

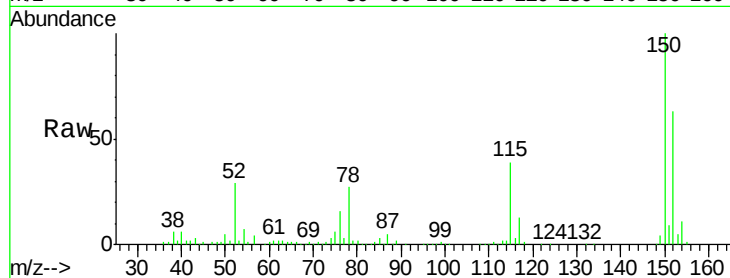
Tgt Ion:152 Resp: 167295

Ion Ratio Lower Upper

152 100

150 157.8 125.8 188.6

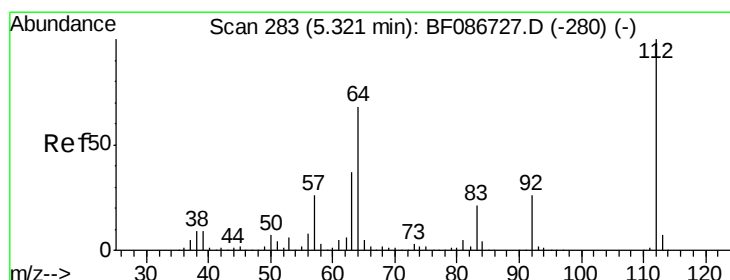
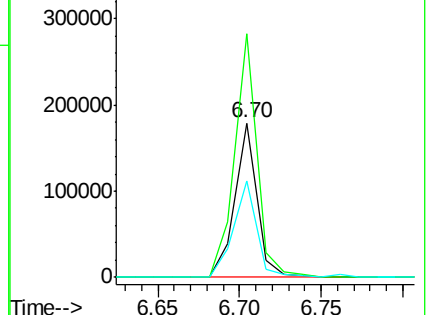
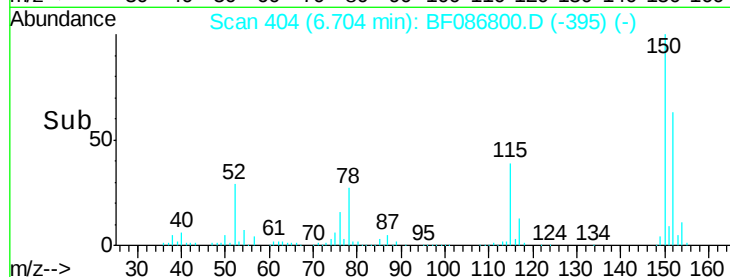
115 62.3 51.5 77.3



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: 137.53 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.03 min

Lab File: BF086800.D

Acq: 8 May 2016 3:49

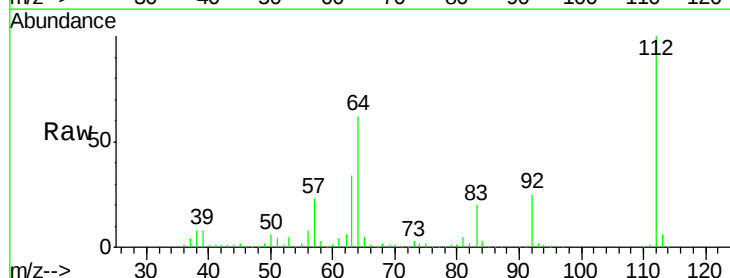
Tgt Ion:112 Resp: 1389788

Ion Ratio Lower Upper

112 100

64 61.6 52.1 78.1

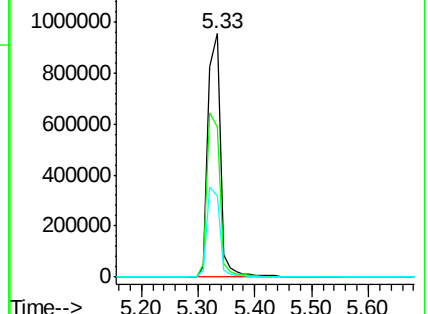
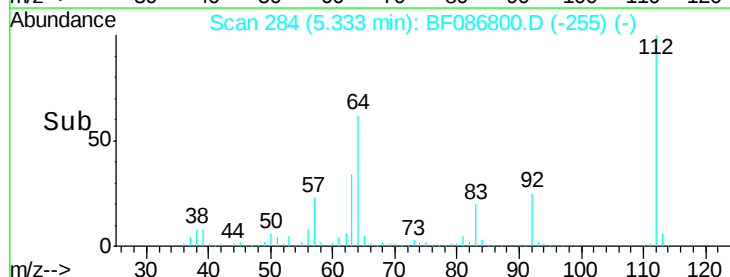
63 33.5 25.7 38.5

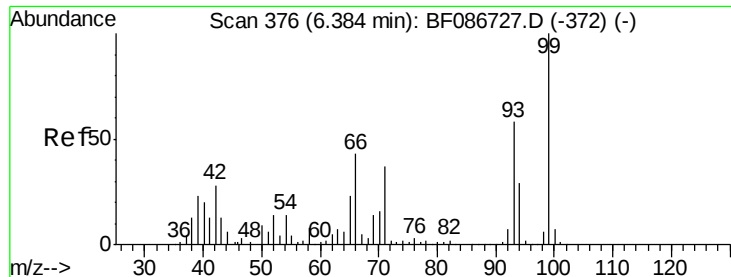


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.75 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF086800.D

Acq: 8 May 2016 3:49

Instrument :

BNA_F

ClientSampleId :

LAR9918-B

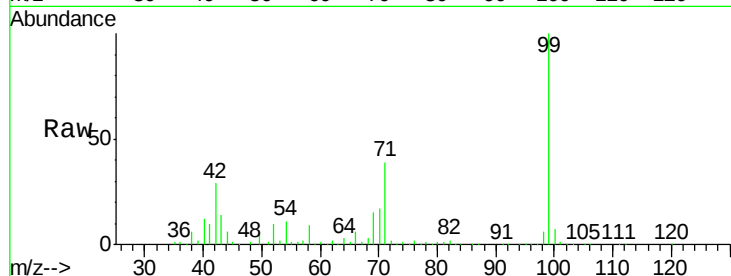
Tgt Ion: 99 Resp: 1684506

Ion Ratio Lower Upper

99 100

42 29.1 13.6 20.4#

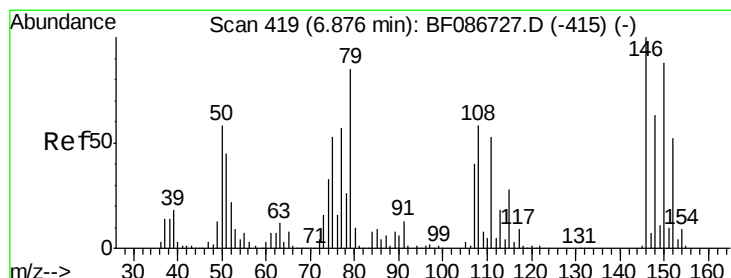
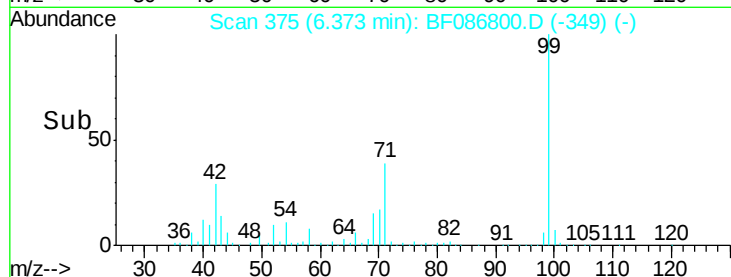
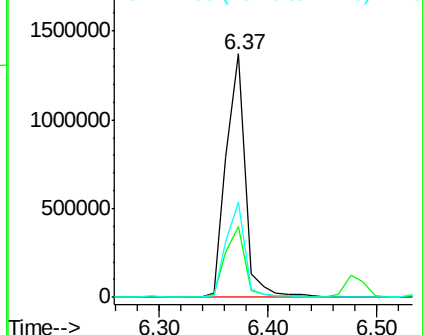
71 39.2 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.68 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF086800.D

Acq: 8 May 2016 3:49

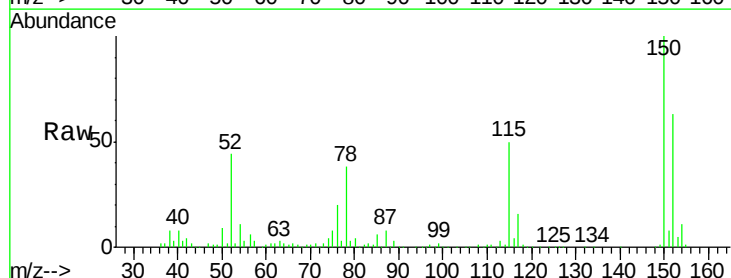
Tgt Ion: 79 Resp: 23582

Ion Ratio Lower Upper

79 100

108 25.7 68.4 102.6#

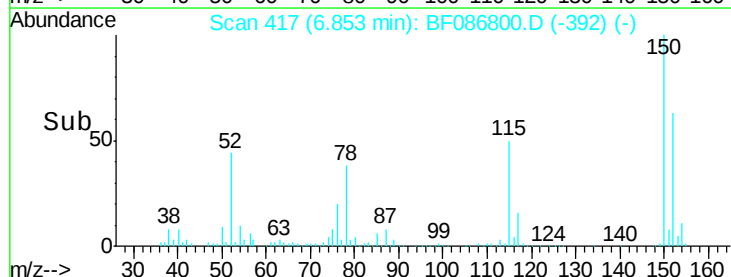
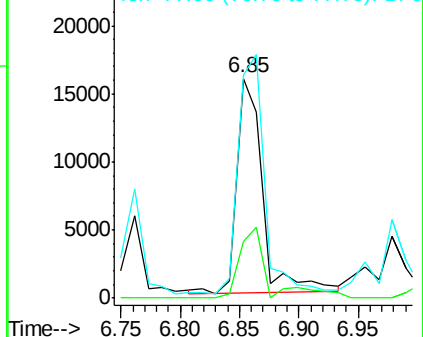
77 101.7 50.6 76.0#

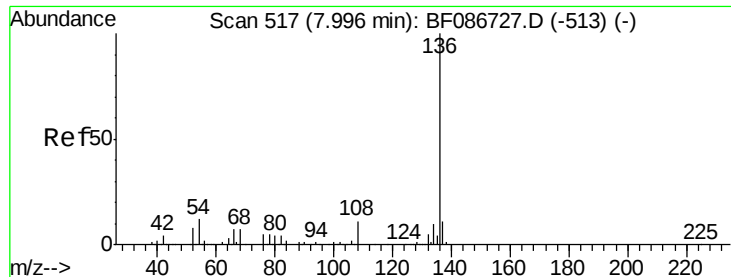


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

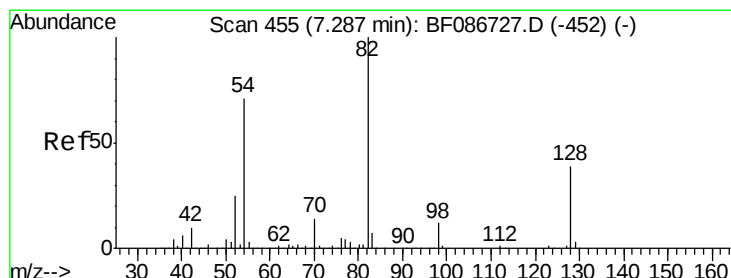
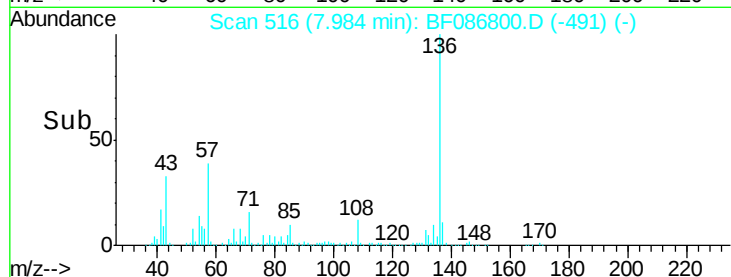
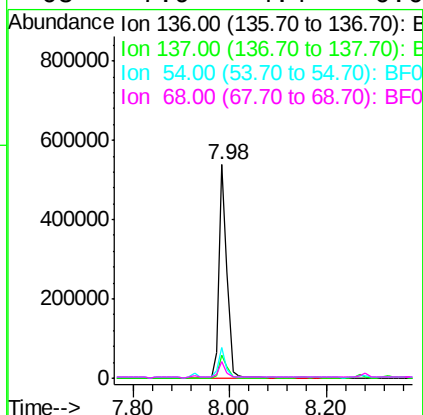
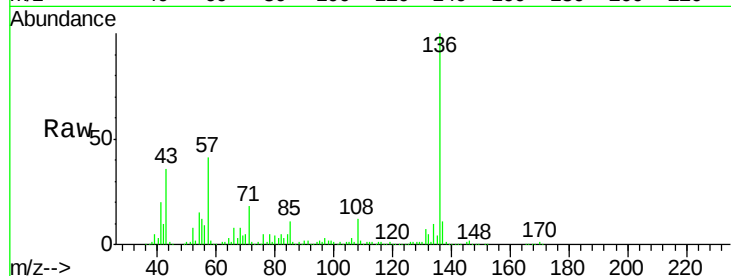




#21
Naphthalene-d8
Concen: 40.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.01 min
Lab File: BF086800.D
Acq: 8 May 2016 3:49

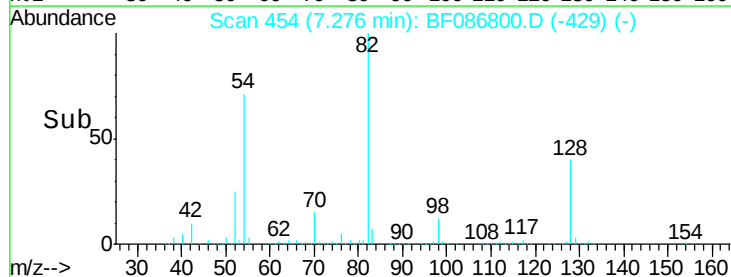
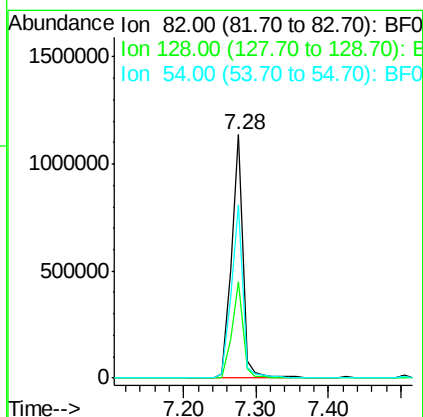
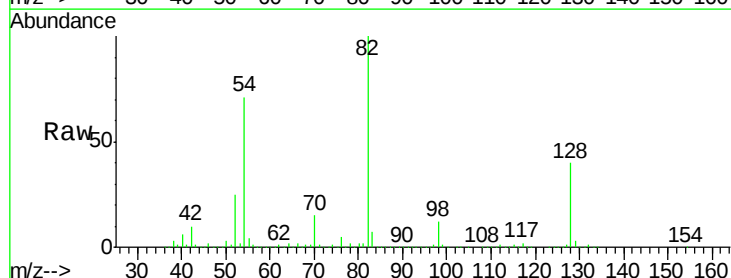
Instrument :
BNA_F
ClientSampleId :
LAR9918-B

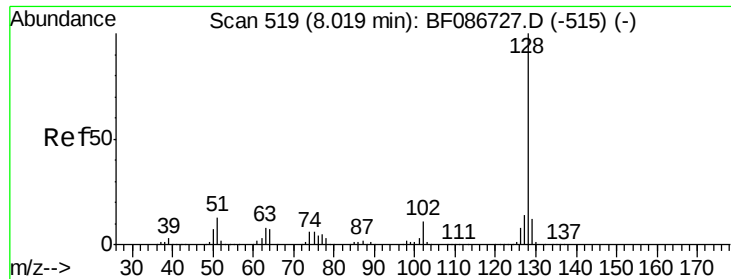
Tgt Ion:	136	Resp:	627827
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	14.6	5.0	7.4#
68	7.9	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 102.88 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF086800.D
Acq: 8 May 2016 3:49

Tgt Ion:	82	Resp:	1256874
Ion	Ratio	Lower	Upper
82	100		
128	39.6	40.6	61.0#
54	71.1	38.1	57.1#

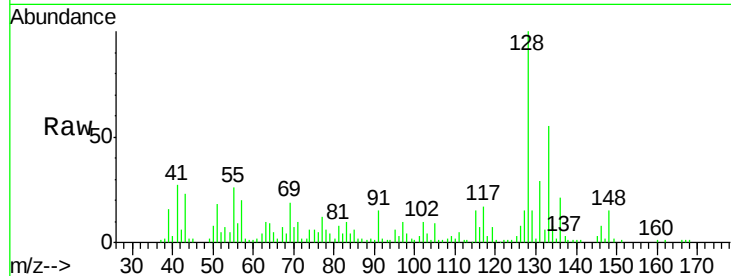




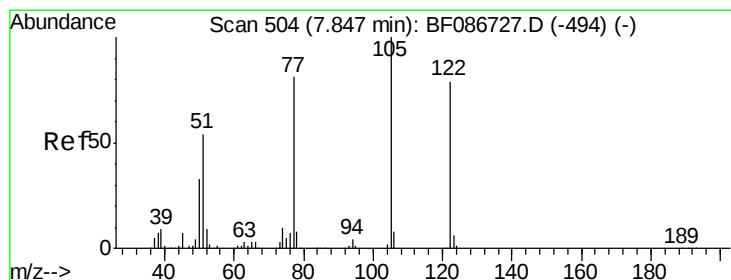
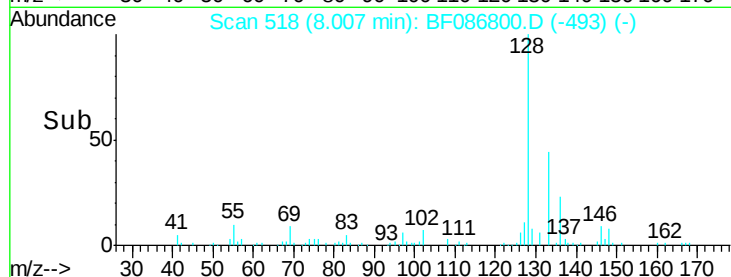
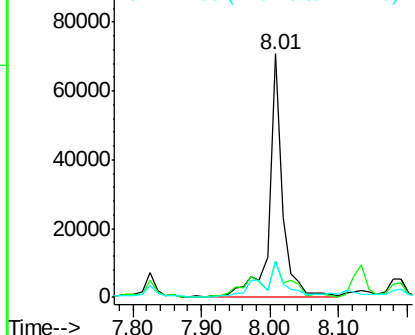
#31
Naphthalene
Concen: 3.01 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF086800.D
Acq: 8 May 2016 3:49

Instrument :
BNA_F
ClientSampleId :
LAR9918-B

Tgt Ion:128 Resp: 96410
Ion Ratio Lower Upper
128 100
129 14.8 8.6 13.0#
127 14.8 10.8 16.2

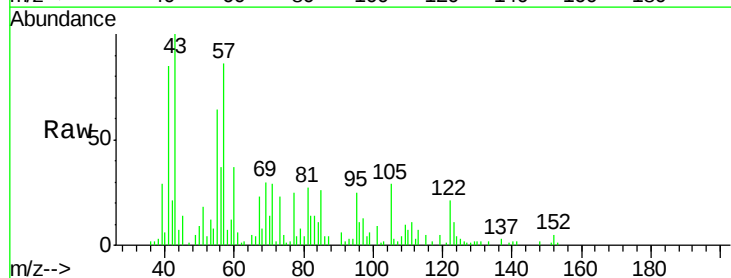


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

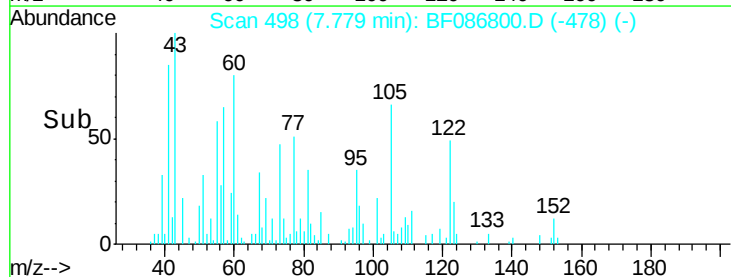
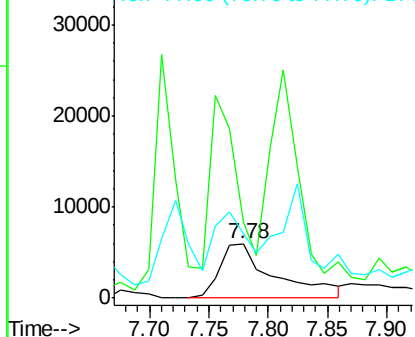


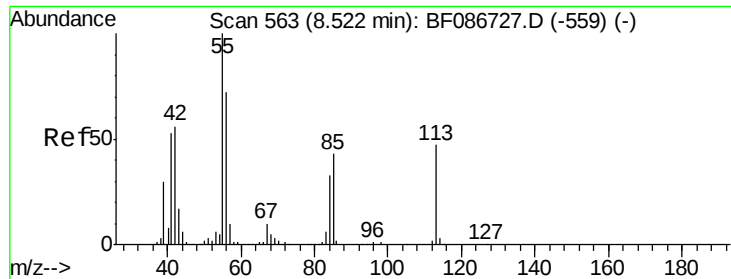
#32
Benzoic acid
Concen: 12.51 ng
RT: 7.78 min Scan# 498
Delta R.T. -0.07 min
Lab File: BF086800.D
Acq: 8 May 2016 3:49

Tgt Ion:122 Resp: 19178
Ion Ratio Lower Upper
122 100
105 139.7 92.6 132.6#
77 118.9 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





#35

Caprolactam

Concen: 6.69 ng

RT: 8.42 min Scan# 554

Delta R.T. -0.07 min

Lab File: BF086800.D

Acq: 8 May 2016 3:49

Instrument :

BNA_F

ClientSampleId :

LAR9918-B

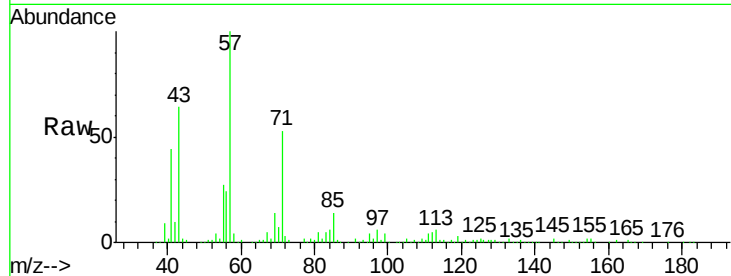
Tgt Ion:113 Resp: 17626

Ion Ratio Lower Upper

113 100

55 449.6 162.0 202.0#

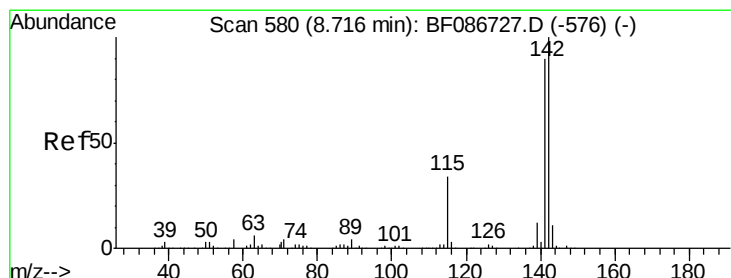
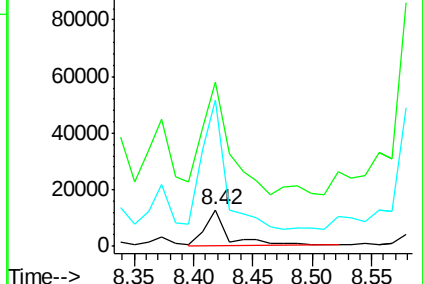
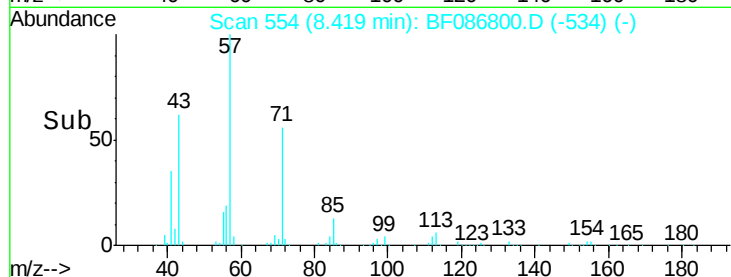
56 401.2 115.3 155.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 5.54 ng

RT: 8.70 min Scan# 579

Delta R.T. -0.00 min

Lab File: BF086800.D

Acq: 8 May 2016 3:49

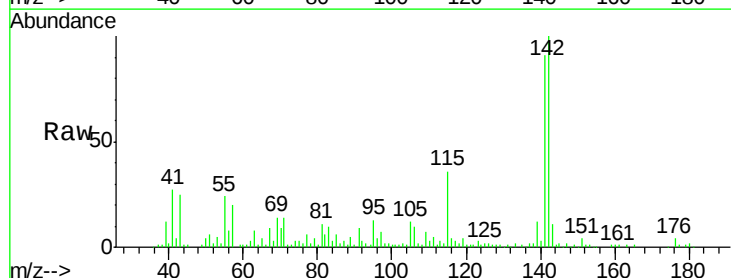
Tgt Ion:142 Resp: 104854

Ion Ratio Lower Upper

142 100

141 90.6 71.0 106.6

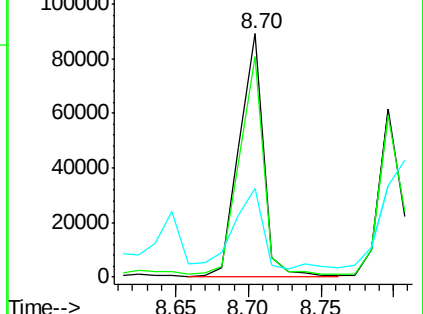
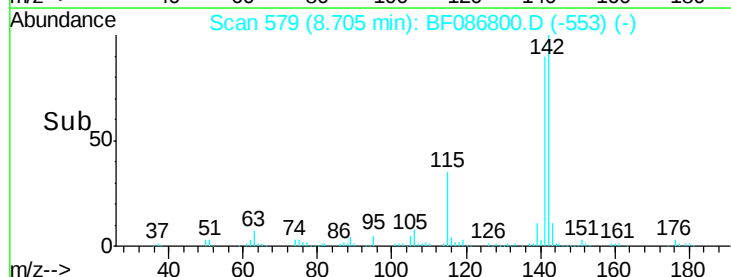
115 36.2 26.6 39.8

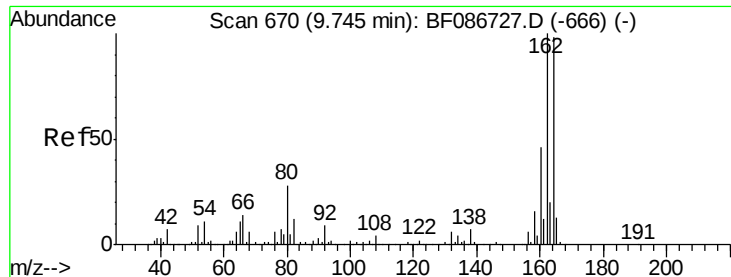


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

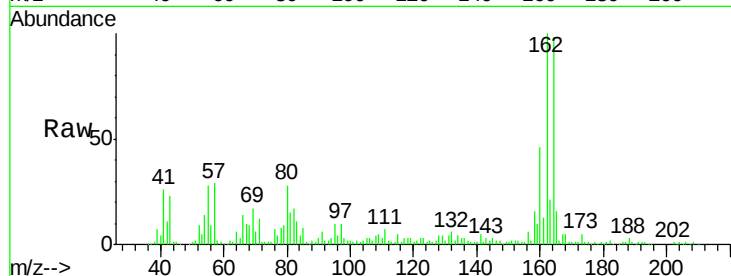




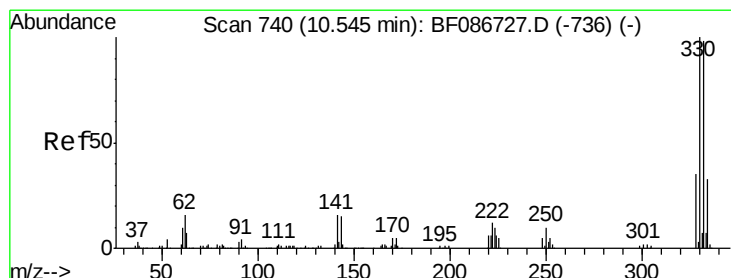
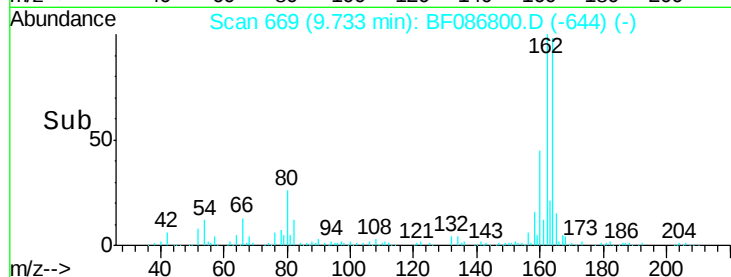
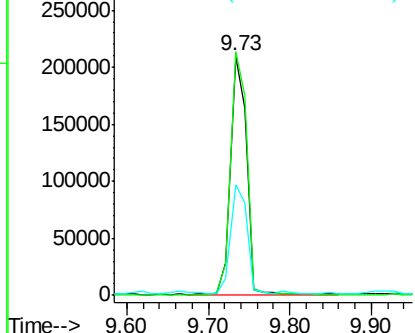
#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: BF086800.D
 Acq: 8 May 2016 3:49

Instrument :
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 LAR9918-B

Tgt Ion:164 Resp: 283185
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.8 124.2
 160 46.5 36.9 55.3

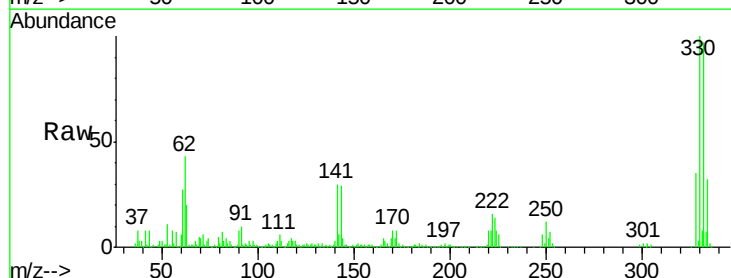


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

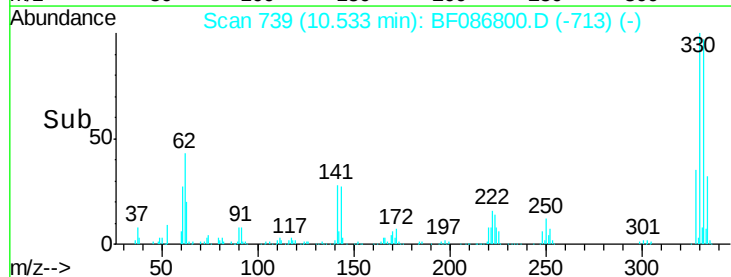
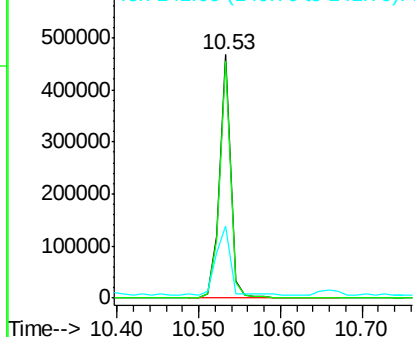


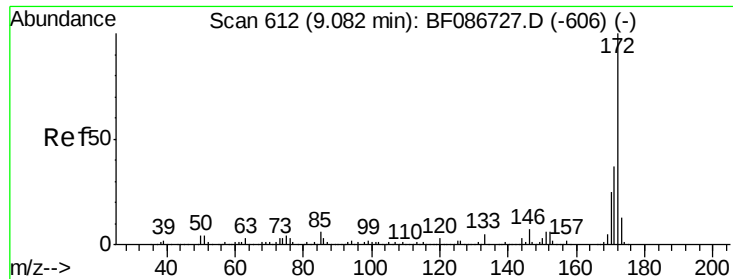
#41
 2,4,6-Tribromophenol
 Concen: 160.70 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: BF086800.D
 Acq: 8 May 2016 3:49

Tgt Ion:330 Resp: 445167
 Ion Ratio Lower Upper
 330 100
 332 96.6 79.0 118.4
 141 38.5 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

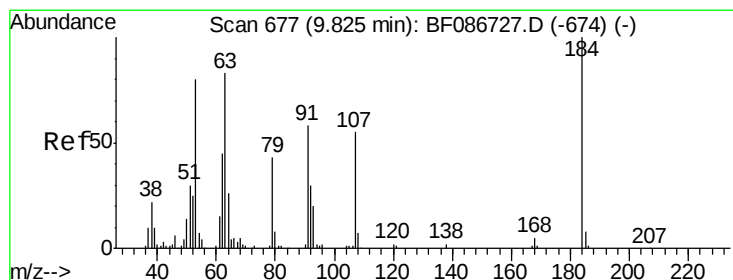
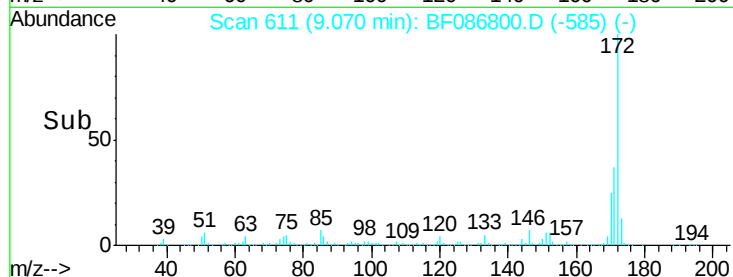
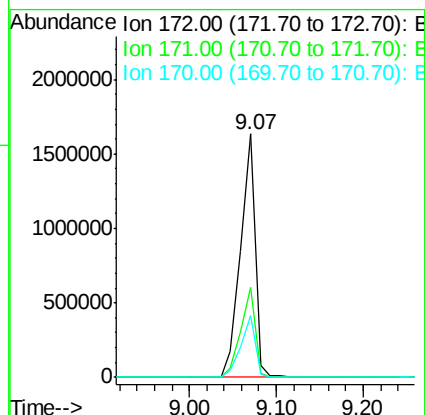
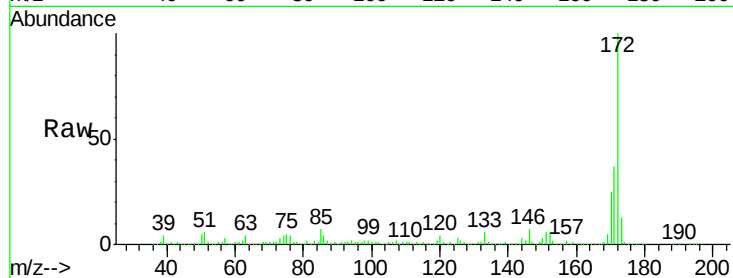




#44
 2-Fluorobiphenyl
 Concen: 110.32 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: BF086800.D
 Acq: 8 May 2016 3:49

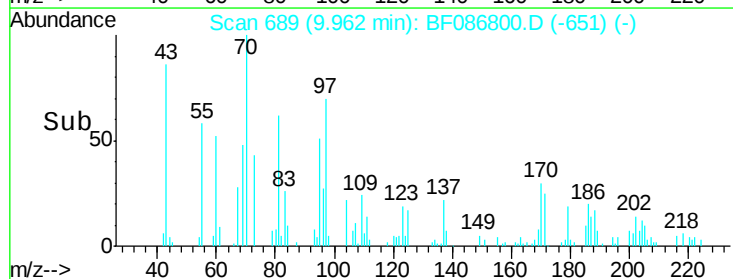
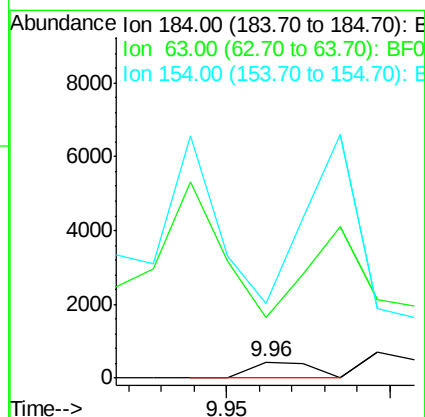
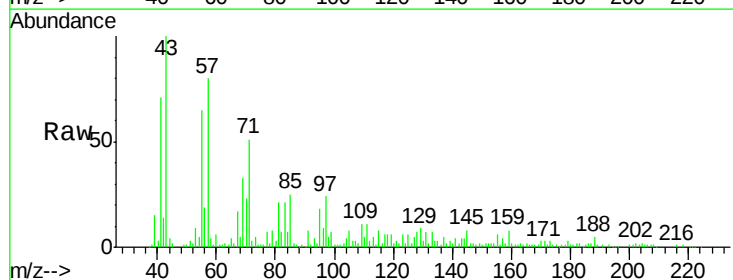
Instrument :
 BNA_F
 ClientSampleId :
 LAR9918-B

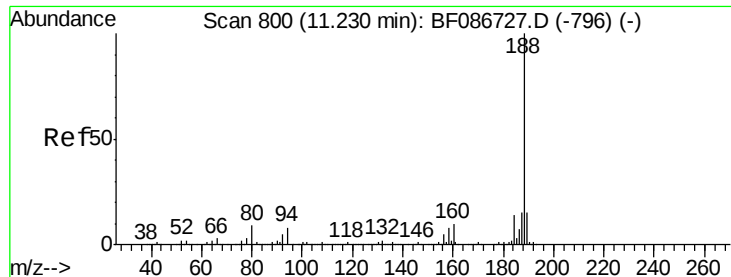
Tgt Ion:172 Resp: 1905839
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.0 43.6
 170 25.2 19.8 29.8



#53
 2,4-Dinitrophenol
 Concen: 9.33 ng
 RT: 9.96 min Scan# 689
 Delta R.T. 0.14 min
 Lab File: BF086800.D
 Acq: 8 May 2016 3:49

Tgt Ion:184 Resp: 573
 Ion Ratio Lower Upper
 184 100
 63 373.5 55.8 83.8#
 154 461.2 62.4 93.6#

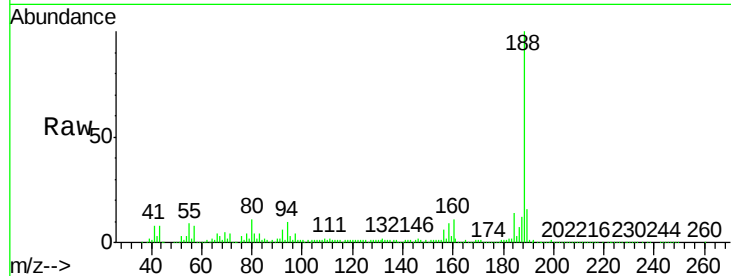




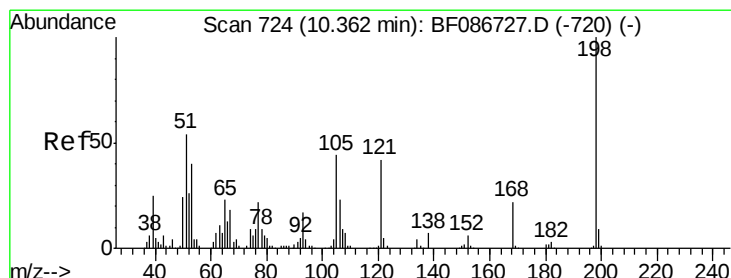
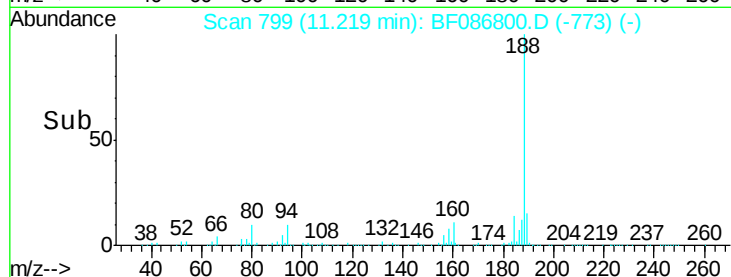
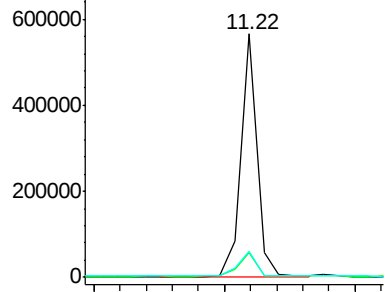
#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF086800.D
 Acq: 8 May 2016 3:49

Instrument :
 BNA_F
 ClientSampleId :
 LAR9918-B

Tgt Ion:188 Resp: 494416
 Ion Ratio Lower Upper
 188 100
 94 10.2 6.8 10.2#
 80 10.7 7.1 10.7

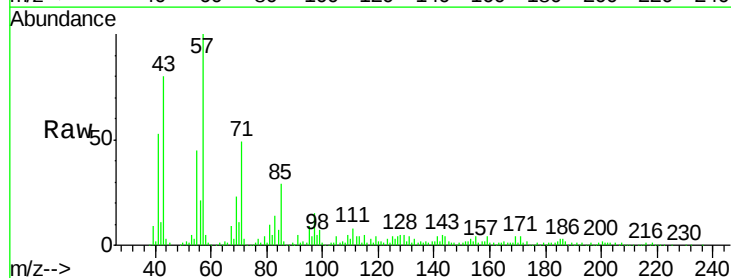


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

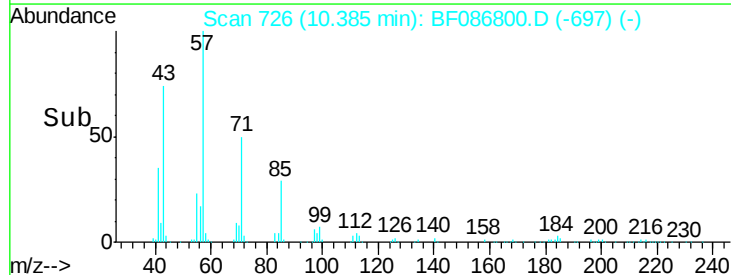
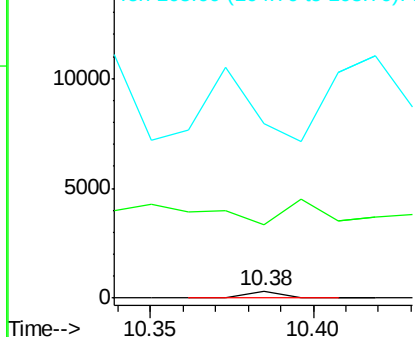


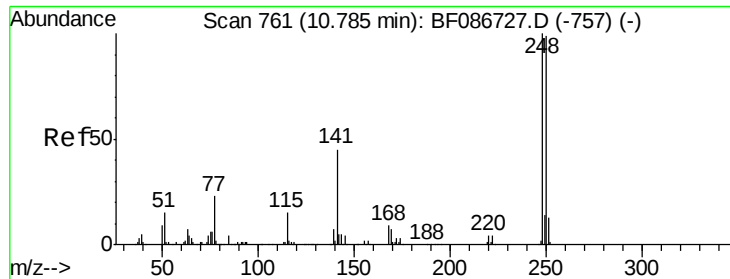
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.32 ng
 RT: 10.38 min Scan# 726
 Delta R.T. 0.03 min
 Lab File: BF086800.D
 Acq: 8 May 2016 3:49

Tgt Ion:198 Resp: 230
 Ion Ratio Lower Upper
 198 100
 51 1004.2 20.5 60.5#
 105 2369.0 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

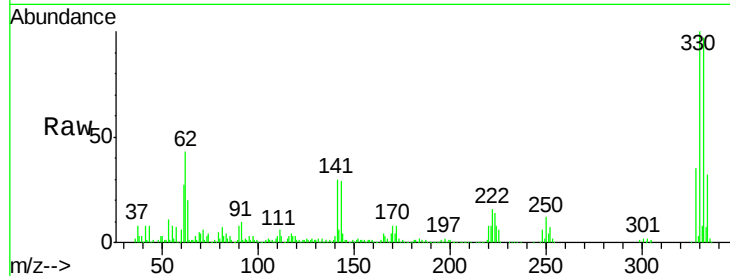




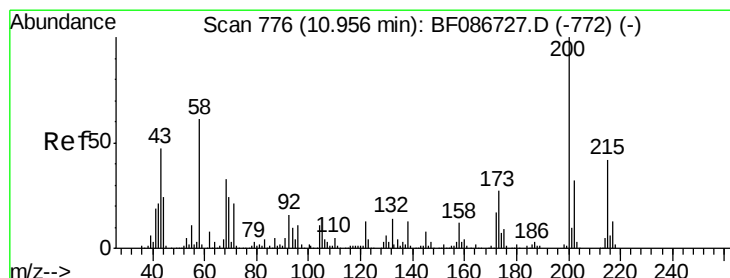
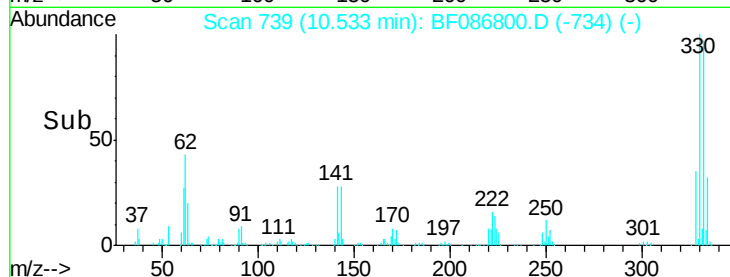
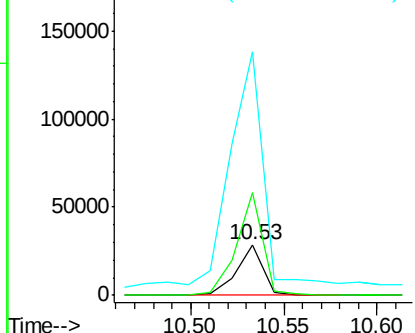
#66
4-Bromophenyl-phenylether
Concen: 5.77 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.24 min
Lab File: BF086800.D
Acq: 8 May 2016 3:49

Instrument :
BNA_F
ClientSampleId :
LAR9918-B

Tgt Ion:248 Resp: 28326
Ion Ratio Lower Upper
248 100
250 203.1 78.6 117.8#
141 480.9 76.0 114.0#

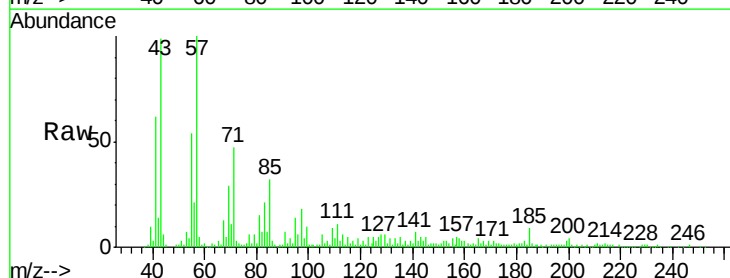


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

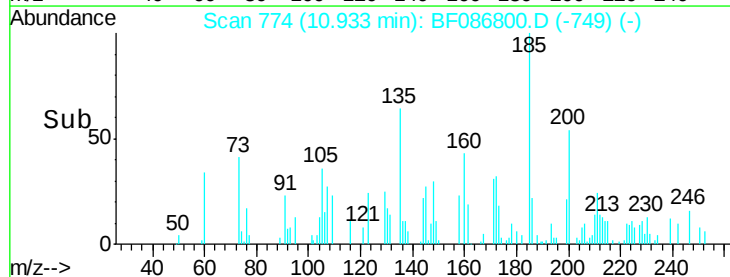
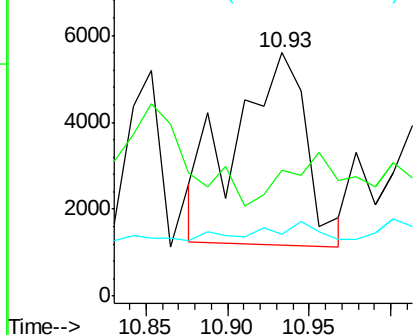


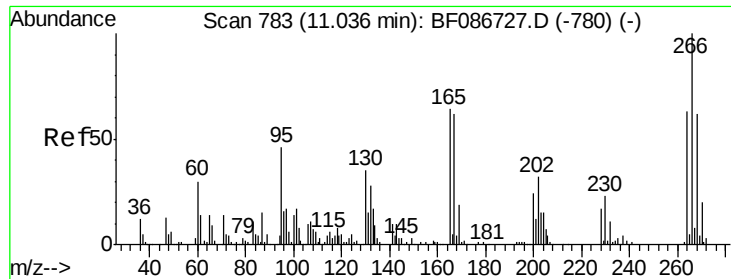
#68
Atrazine
Concen: 2.80 ng
RT: 10.93 min Scan# 774
Delta R.T. -0.01 min
Lab File: BF086800.D
Acq: 8 May 2016 3:49

Tgt Ion:200 Resp: 13476
Ion Ratio Lower Upper
200 100
173 51.8 8.5 48.5#
215 25.3 27.2 67.2#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

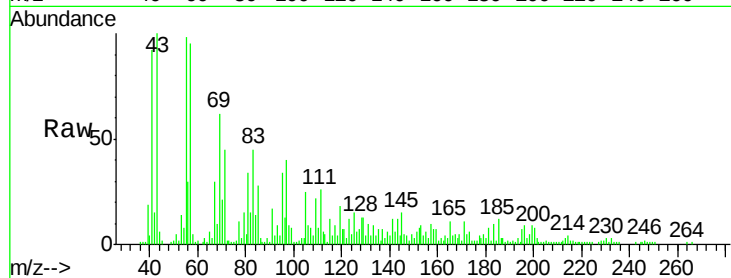




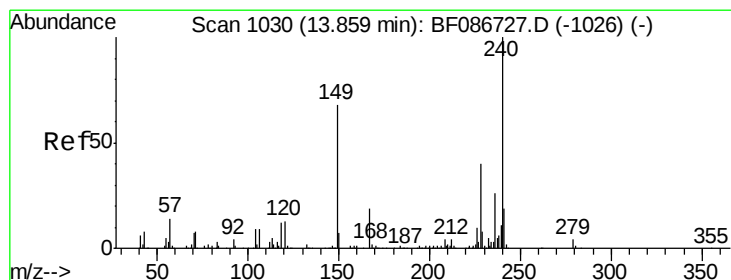
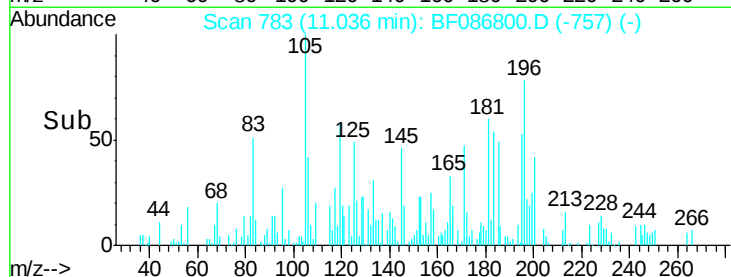
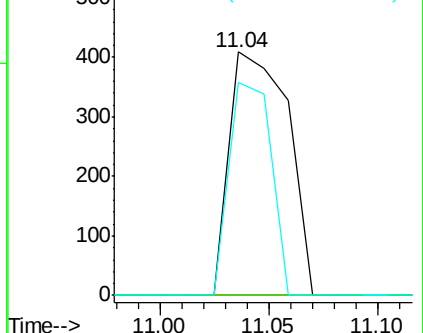
#69
 Pentachlorophenol
 Concen: 6.07 ng
 RT: 11.04 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF086800.D
 Acq: 8 May 2016 3:49

Instrument :
 BNA_F
 ClientSampleID :
 LAR9918-B

Tgt Ion: 266 Resp: 767
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.5 77.3#
 264 87.8 52.9 79.3#

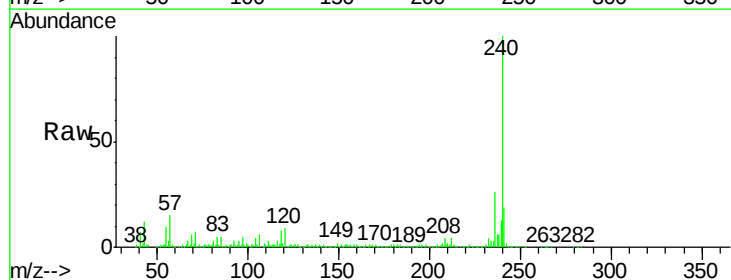


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

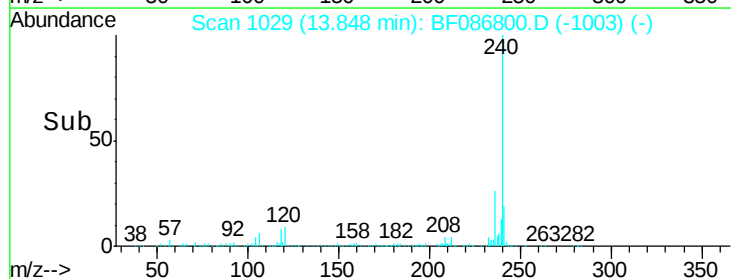
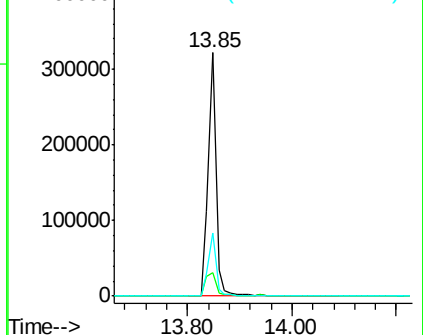


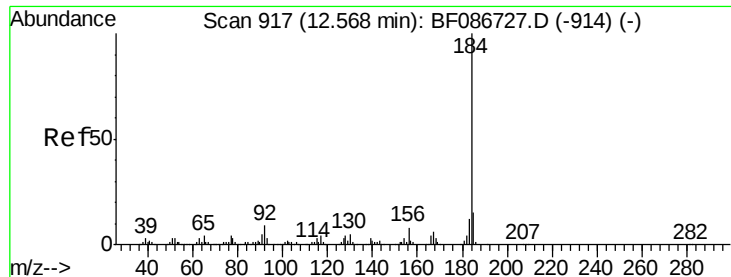
#75
 Chrysene-d12
 Concen: 40.00 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BF086800.D
 Acq: 8 May 2016 3:49

Tgt Ion: 240 Resp: 343067
 Ion Ratio Lower Upper
 240 100
 120 9.4 11.2 16.8#
 236 26.0 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: 7.15 ng

RT: 12.68 min Scan# 927

Delta R.T. 0.13 min

Lab File: BF086800.D

Acq: 8 May 2016 3:49

Instrument :

BNA_F

ClientSampleId :

LAR9918-B

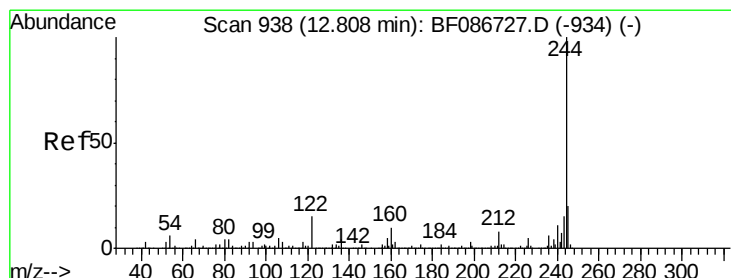
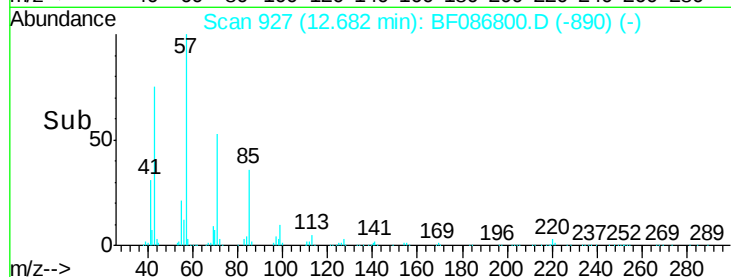
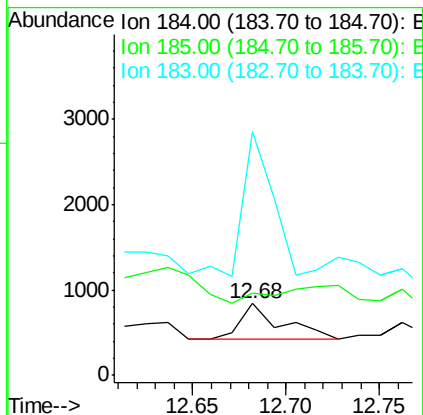
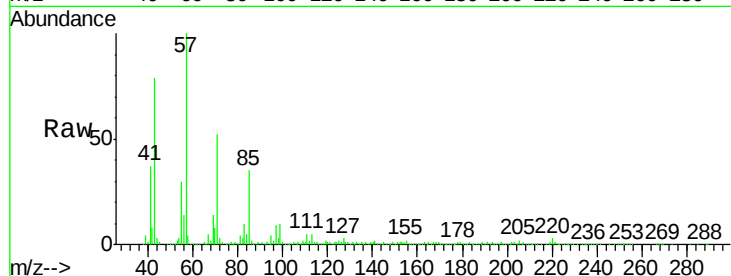
Tgt Ion:184 Resp: 675

Ion Ratio Lower Upper

184 100

185 115.2 13.6 20.4#

183 339.6 9.8 14.6#



#78

Terphenyl-d14

Concen: 95.12 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF086800.D

Acq: 8 May 2016 3:49

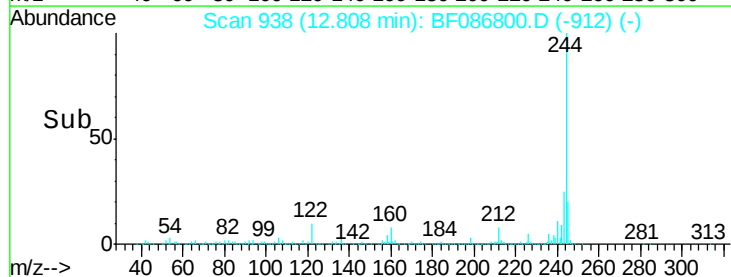
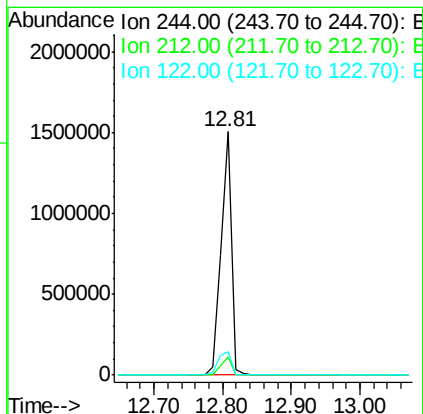
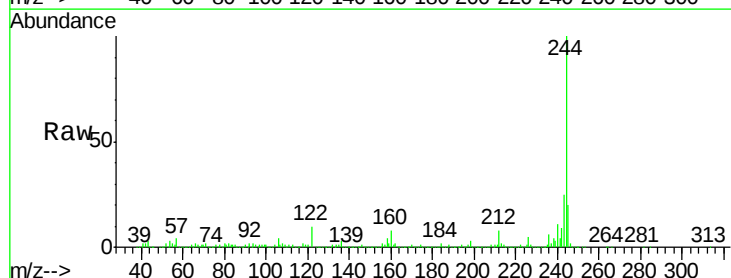
Tgt Ion:244 Resp: 1614722

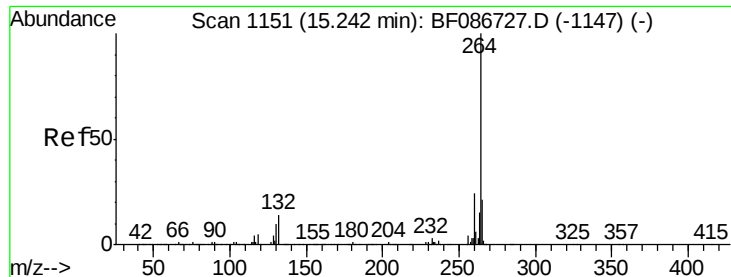
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

122 9.9 12.0 18.0#

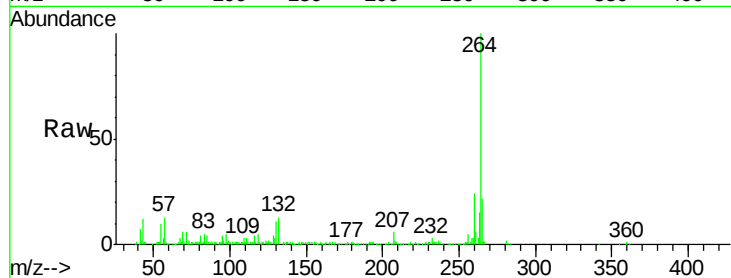




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF086800.D
Acq: 8 May 2016 3:49

Instrument :
BNA_F
ClientSampleId :
LAR9918-B

Tgt Ion:	264	Resp:	290142
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.5	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

