

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062116\
 Data File : BF088220.D
 Acq On : 21 Jun 2016 18:47
 Operator : UM/SJ
 Sample : H3697-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 21 19:14:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

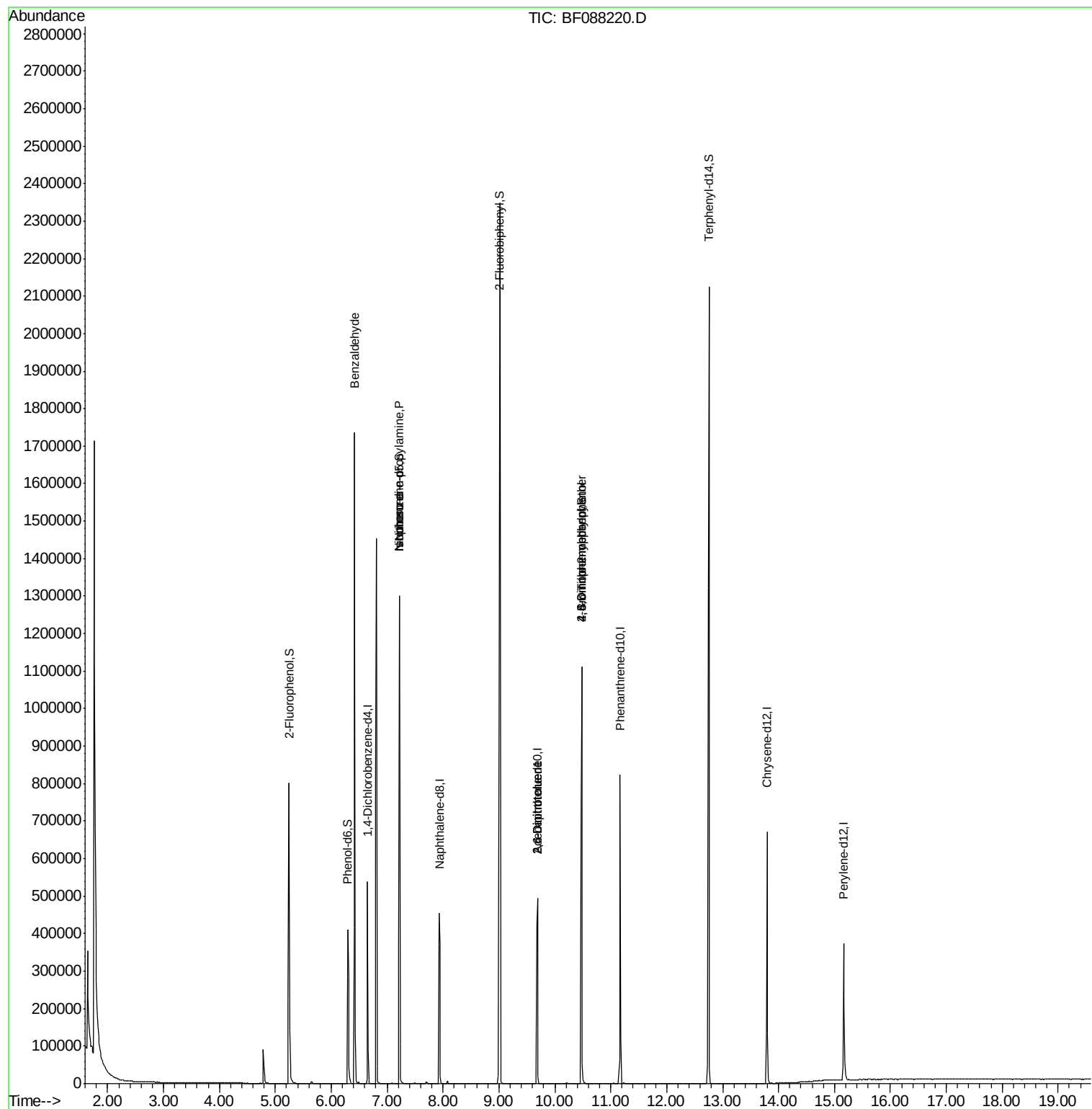
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	81679	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	304976	20.00	ng	-0.02
38) Acenaphthene-d10	9.69	164	142220	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	284222	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	226915	20.00	ng	-0.01
86) Perylene-d12	15.17	264	169879	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	278098	58.21	ng	-0.01
7) Phenol-d6	6.30	99	211636	36.55	ng	-0.03
23) Nitrobenzene-d5	7.22	82	442170	84.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	174164	115.98	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	813964	90.25	ng	-0.02
78) Terphenyl-d14	12.75	244	810480	81.28	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.42	77	10161	2.55	ng	# 75
10) Phenol	6.42	94	748	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	57511	15.53	ng	# 69
25) Isophorone	7.22	82	352939	36.48	ng	# 65
45) 1,1'-Biphenyl	9.02	154	1658	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.69	165	17953	7.61	ng	# 37
56) 2,4-Dinitrotoluene	9.69	165	17953	5.92	ng	# 36
57) Fluorene	10.48	166	8491	Below Cal	#	86
64) 4,6-Dinitro-2-methylphenol	10.48	198	235	2.29	ng	# 3
66) 4-Bromophenyl-phenylether	10.48	248	11666	3.83	ng	# 1

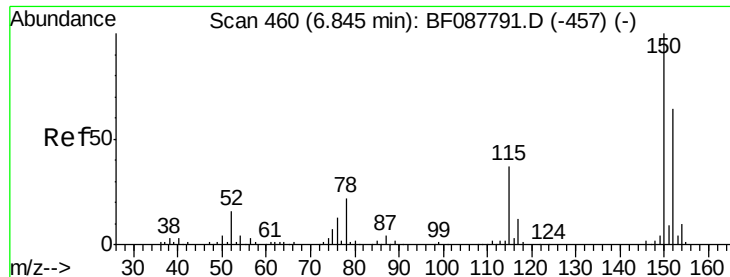
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 20 17:39:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF088220.D

Acq: 21 Jun 2016 18:47

Instrument :

BNA_F

ClientSampleId :

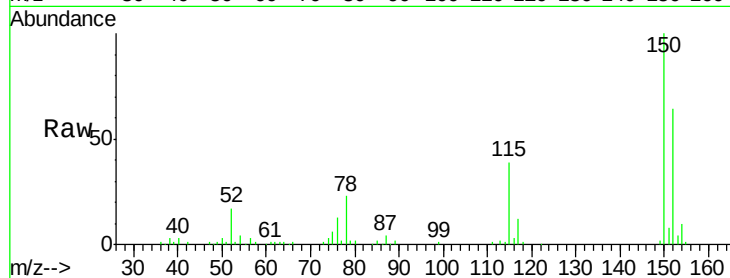
Tot Ion:152 Resp: 81679

Ion Ratio Lower Upper

152 100

150 157.2 123.8 185.6

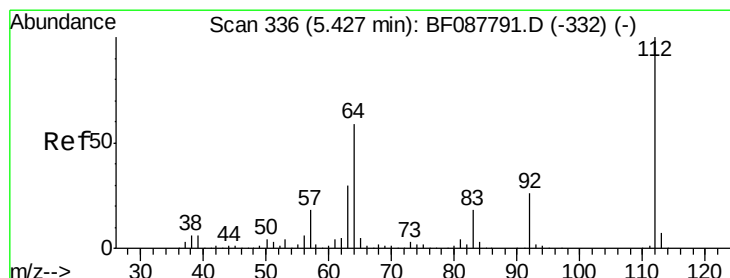
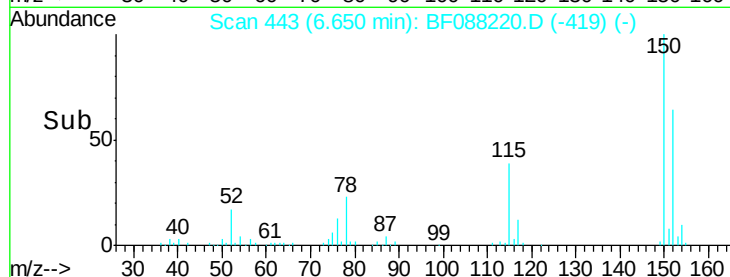
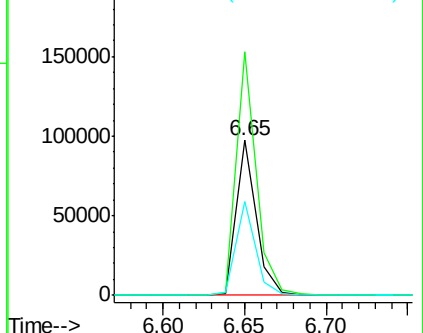
115 60.7 39.6 59.4#



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: 58.21 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.01 min

Lab File: BF088220.D

Acq: 21 Jun 2016 18:47

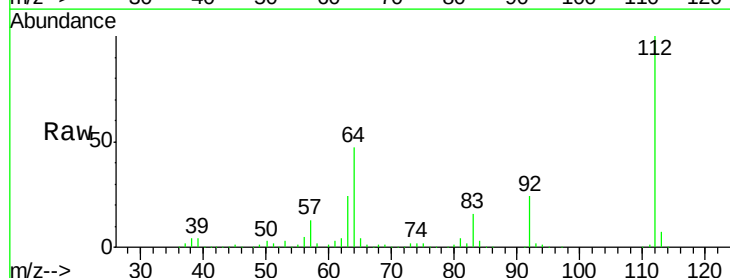
Tgt Ion:112 Resp: 278098

Ion Ratio Lower Upper

112 100

64 47.4 42.2 63.2

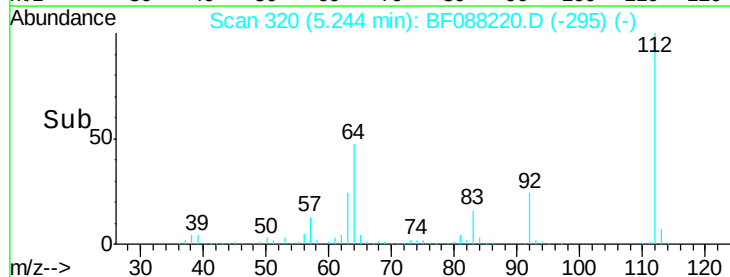
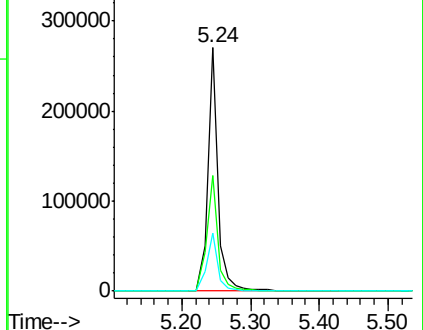
63 23.9 21.8 32.8

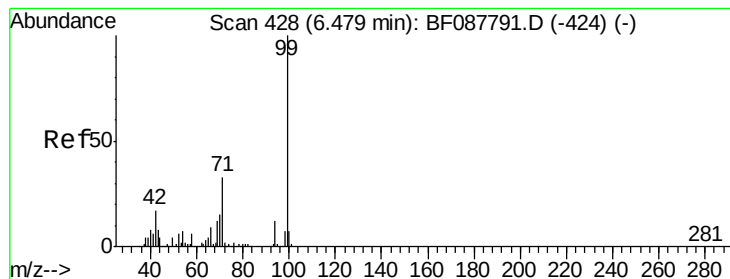


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.55 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF088220.D

Acq: 21 Jun 2016 18:47

Instrument :

BNA_F

ClientSampleId :

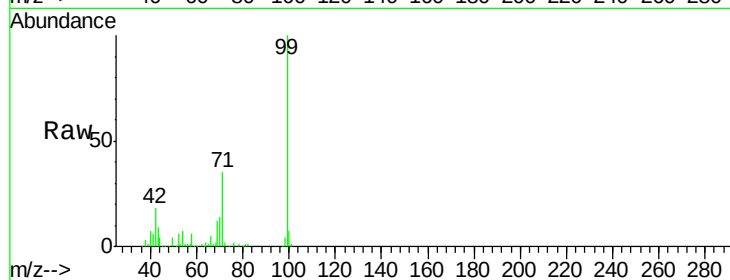
Tot Ion: 99 Resp: 211636

Ion Ratio Lower Upper

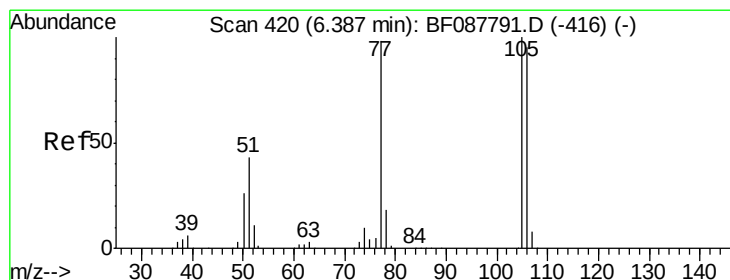
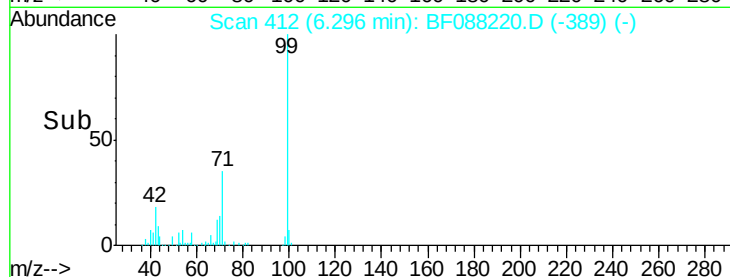
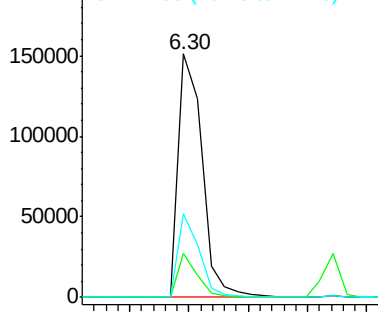
99 100

42 18.0 12.2 18.2

71 34.5 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



#9

Benzaldehyde

Concen: 2.55 ng

RT: 6.42 min Scan# 423

Delta R.T. 0.21 min

Lab File: BF088220.D

Acq: 21 Jun 2016 18:47

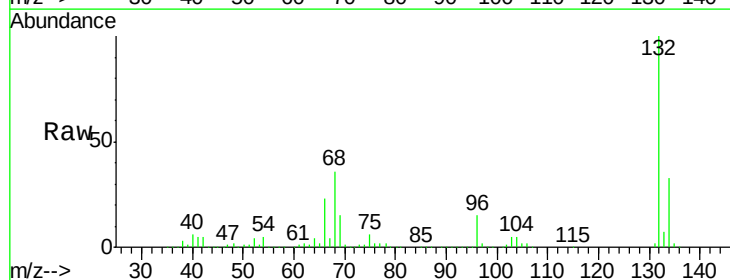
Tgt Ion: 77 Resp: 10161

Ion Ratio Lower Upper

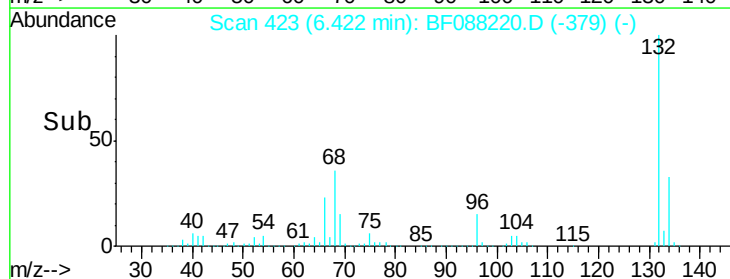
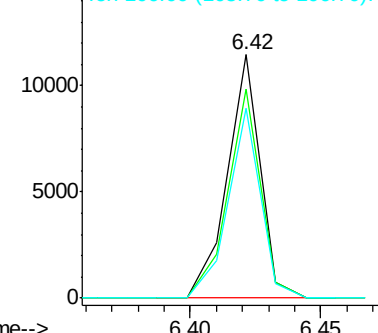
77 100

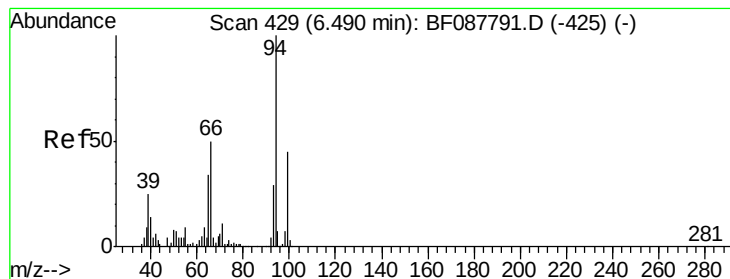
105 85.7 90.6 130.6#

106 77.8 85.3 125.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.42 min Scan# 423

Delta R.T. 0.08 min

Lab File: BF088220.D

Acq: 21 Jun 2016 18:47

Instrument :

BNA_F

ClientSampleId :

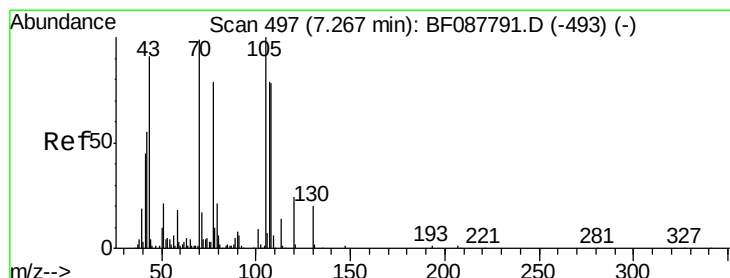
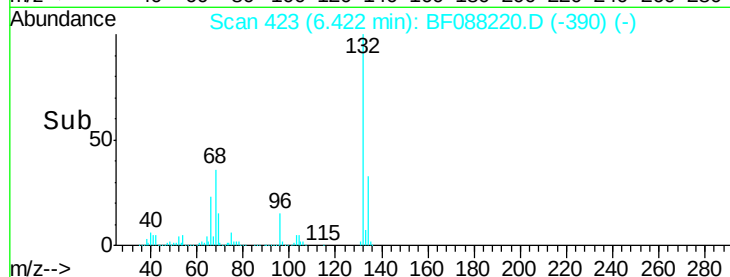
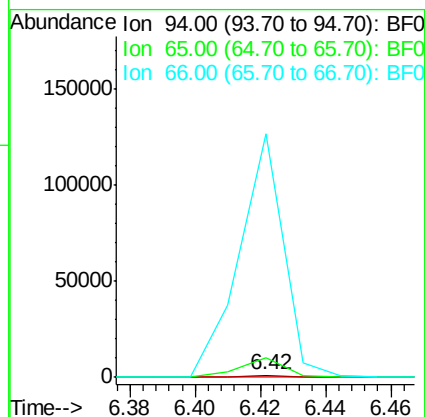
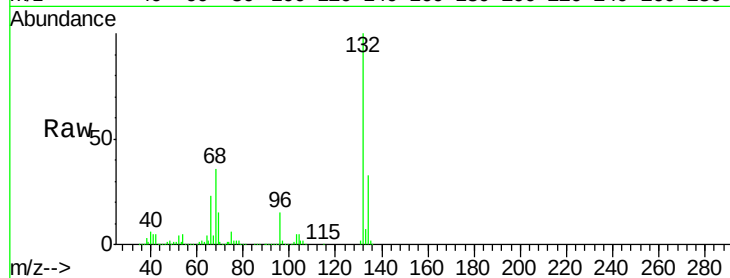
Tot Ion: 94 Resp: 748

Ion Ratio Lower Upper

94 100

65 943.4 5.9 45.9#

66 11629.0 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 15.53 ng

RT: 7.22 min Scan# 493

Delta R.T. 0.13 min

Lab File: BF088220.D

Acq: 21 Jun 2016 18:47

Tgt Ion: 70 Resp: 57511

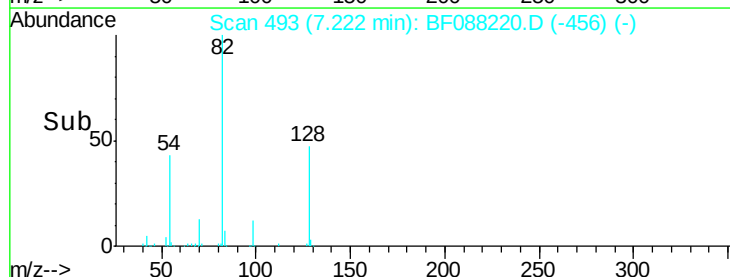
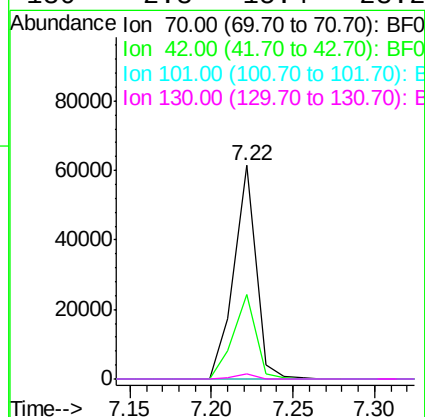
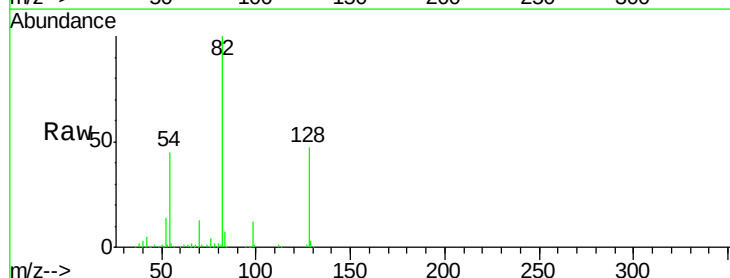
Ion Ratio Lower Upper

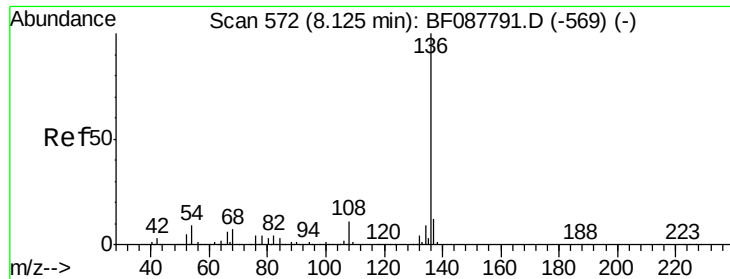
70 100

42 39.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#

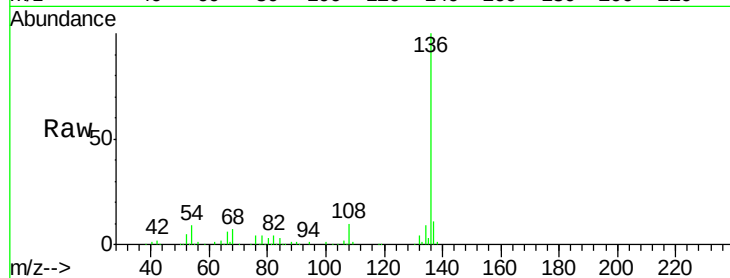




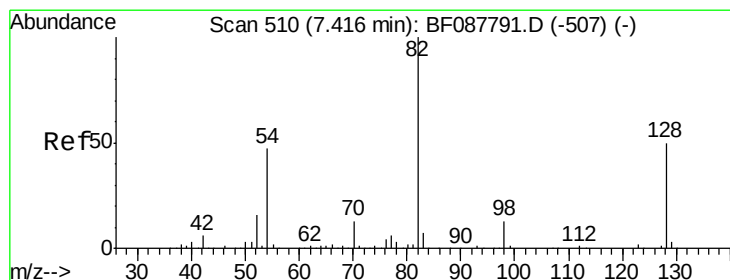
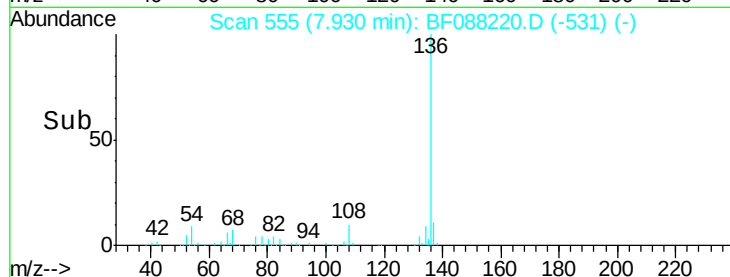
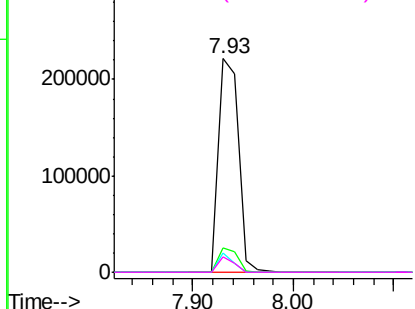
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.02 min
Lab File: BF088220.D
Acq: 21 Jun 2016 18:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	304976
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.1 13.7
54	9.0	6.6 10.0
68	7.4	5.1 7.7

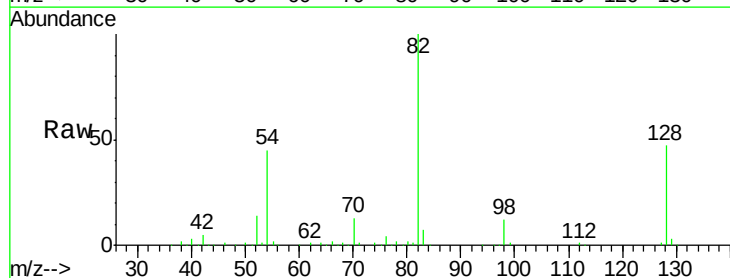


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

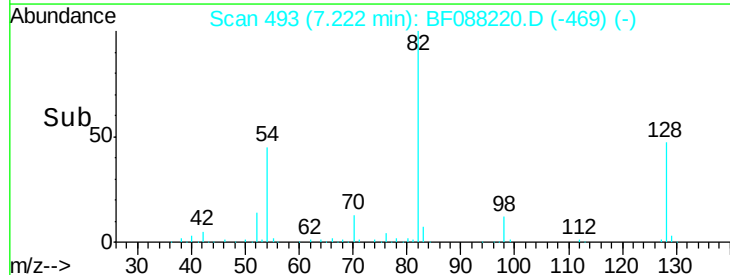
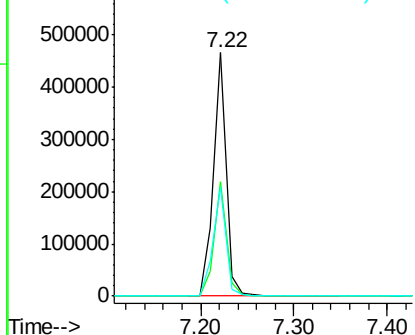


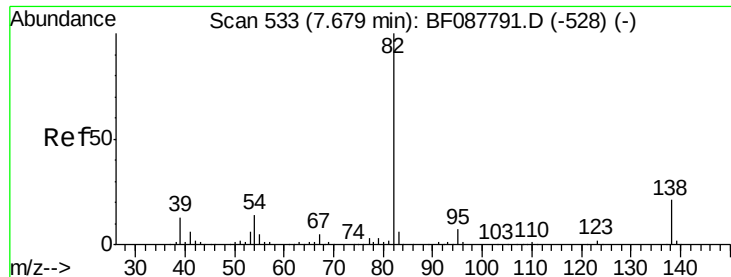
#23
Nitrobenzene-d5
Concen: 84.66 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.02 min
Lab File: BF088220.D
Acq: 21 Jun 2016 18:47

Tgt Ion: 82	Resp:	442170
Ion	Ratio	Lower Upper
82	100	
128	47.2	35.9 53.9
54	45.1	40.9 61.3



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





#25

Isophorone

Concen: 36.48 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.29 min

Lab File: BF088220.D

Acq: 21 Jun 2016 18:47

Instrument :

BNA_F

ClientSampleId :

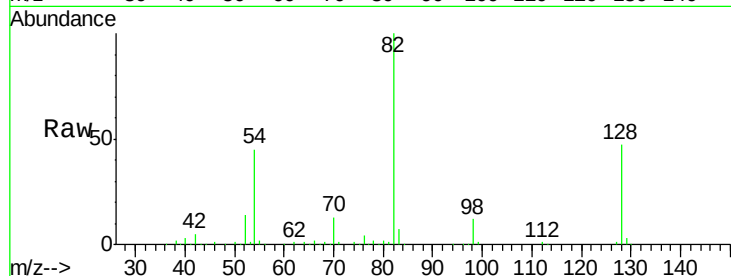
Tot Ion: 82 Resp: 352939

Ion Ratio Lower Upper

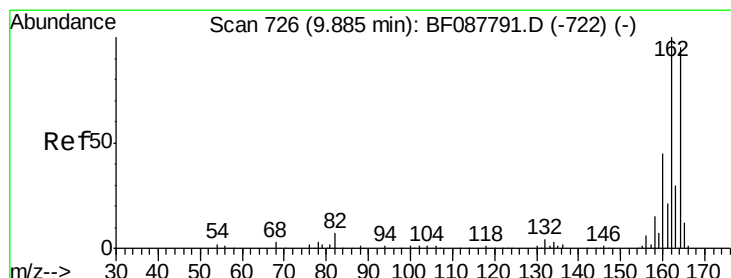
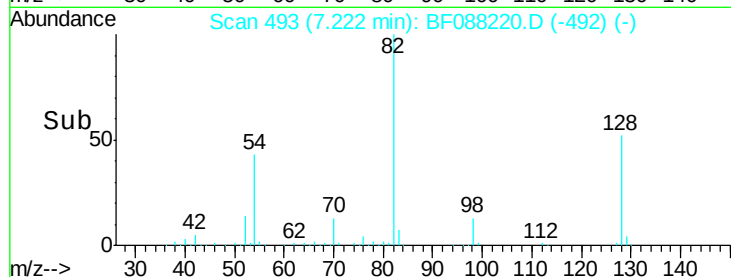
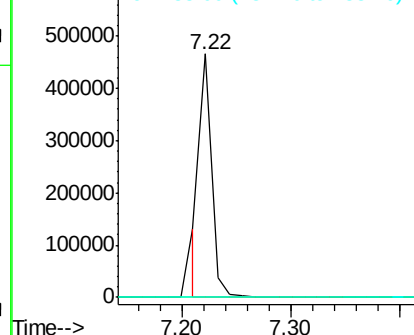
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 709

Delta R.T. -0.01 min

Lab File: BF088220.D

Acq: 21 Jun 2016 18:47

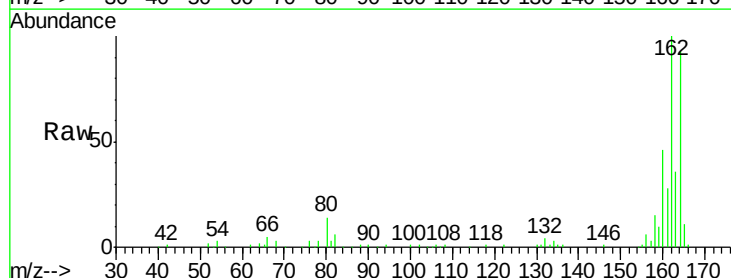
Tgt Ion: 164 Resp: 142220

Ion Ratio Lower Upper

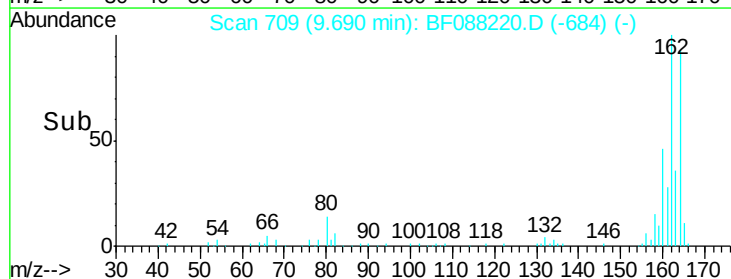
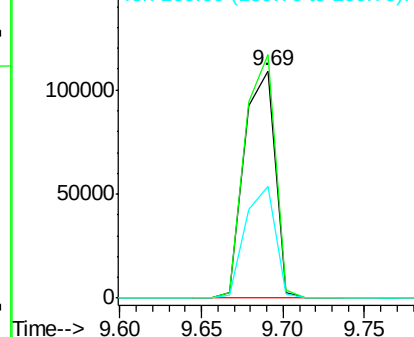
164 100

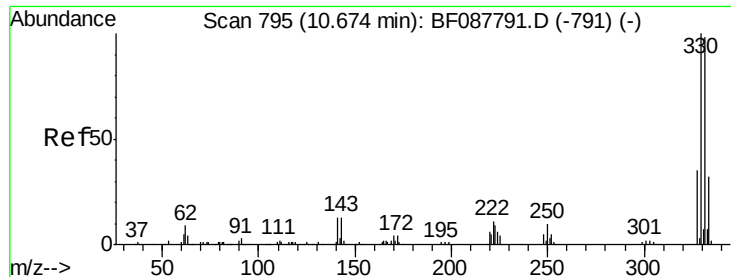
162 107.2 85.4 128.2

160 49.2 39.5 59.3



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

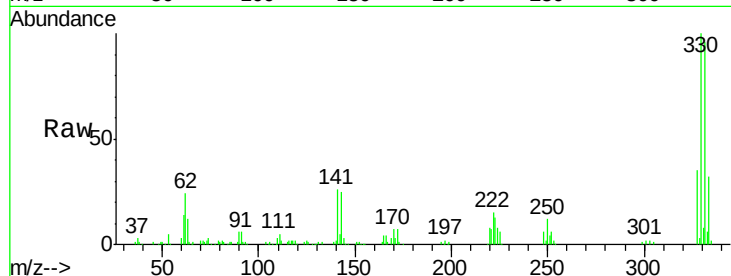




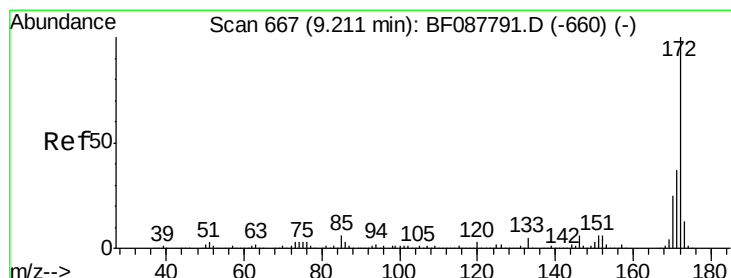
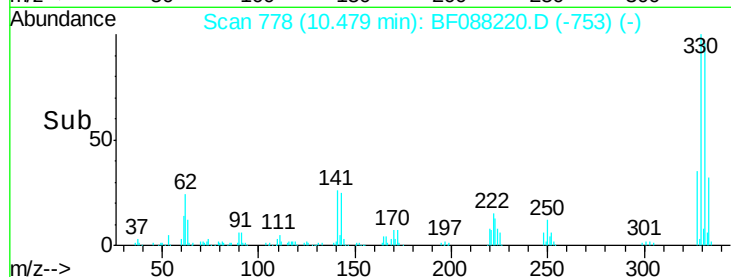
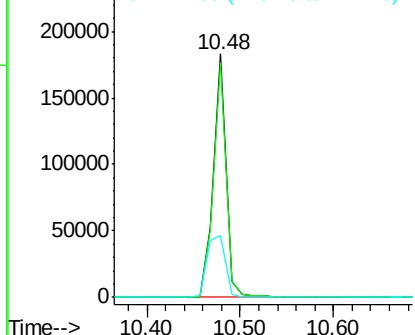
#41
 2,4,6-Tribromophenol
 Concen: 115.98 ng
 RT: 10.48 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF088220.D
 Acq: 21 Jun 2016 18:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	37.0	0.0	0.0#

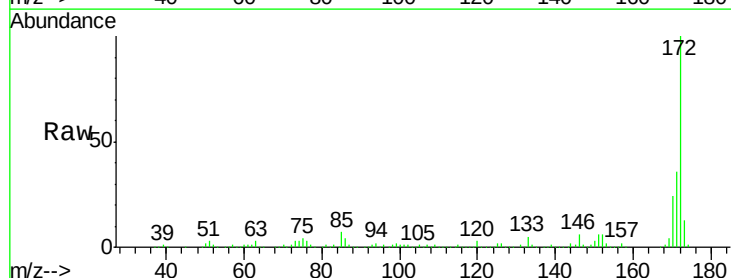


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

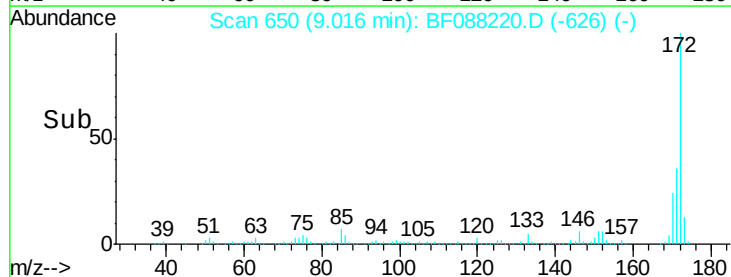
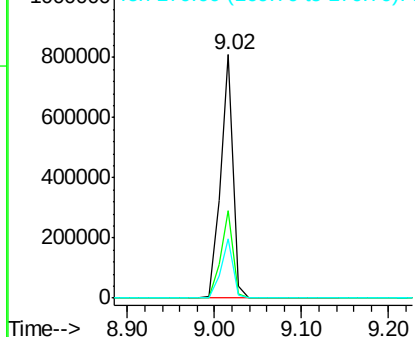


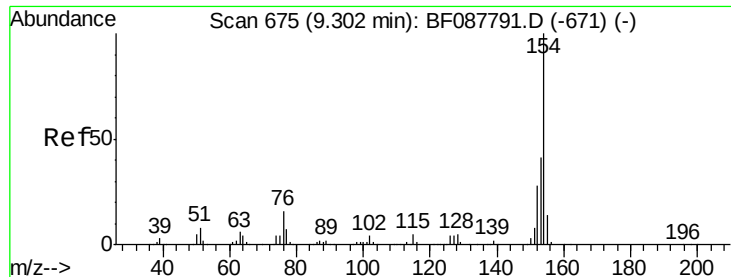
#44
 2-Fluorobiphenyl
 Concen: 90.25 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.02 min
 Lab File: BF088220.D
 Acq: 21 Jun 2016 18:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.2	19.2	28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.02 min Scan# 650

Delta R.T. -0.11 min

Lab File: BF088220.D

Acq: 21 Jun 2016 18:47

Instrument :

BNA_F

ClientSampleId :

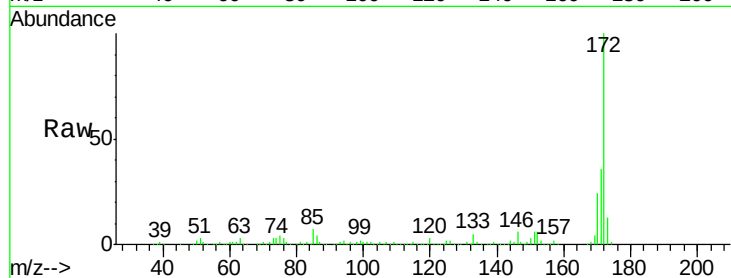
Tot Ion:154 Resp: 1658

Ion Ratio Lower Upper

154 100

153 904.4 20.6 60.6#

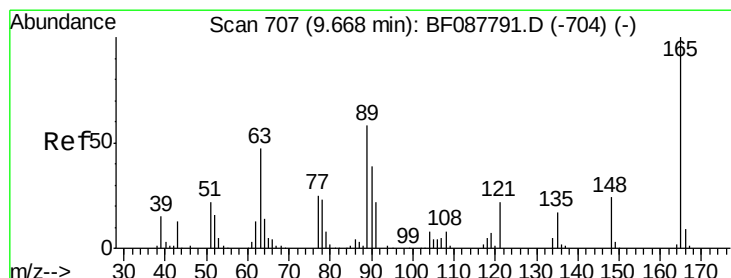
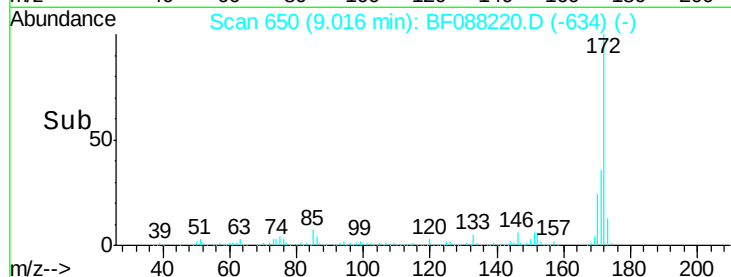
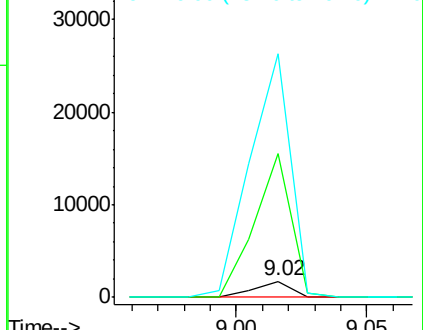
76 1533.8 0.0 35.1#



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: 7.61 ng

RT: 9.69 min Scan# 709

Delta R.T. 0.18 min

Lab File: BF088220.D

Acq: 21 Jun 2016 18:47

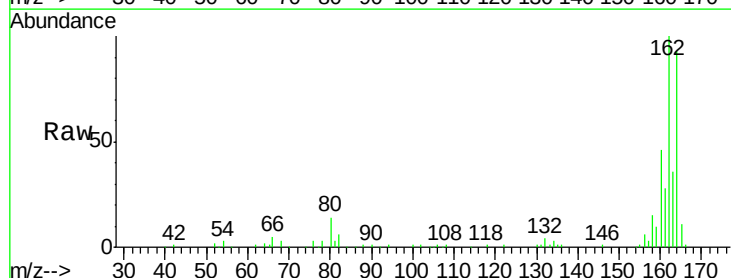
Tgt Ion:165 Resp: 17953

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

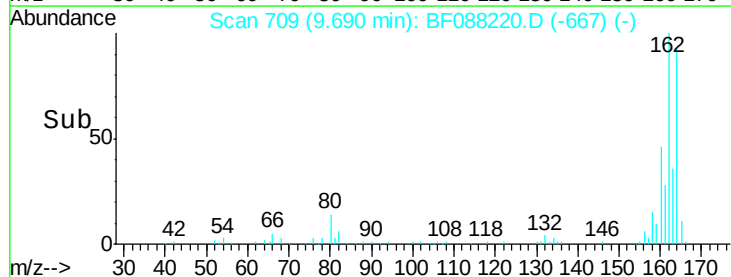
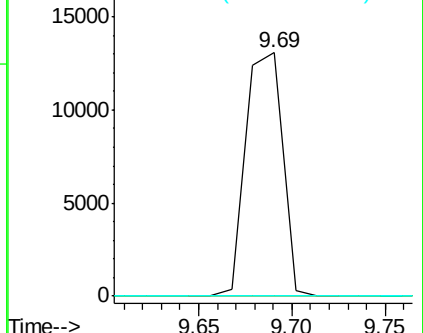
89 0.0 32.2 48.2#

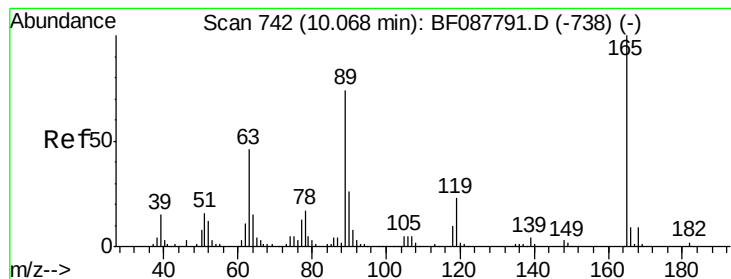


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.92 ng

RT: 9.69 min Scan# 709

Delta R.T. -0.22 min

Lab File: BF088220.D

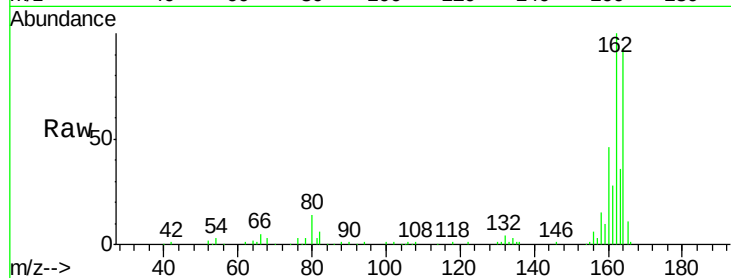
Acq: 21 Jun 2016 18:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	17953
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.0 33.0#
89	0.0	41.1 61.7#
182	0.0	2.0 3.0#

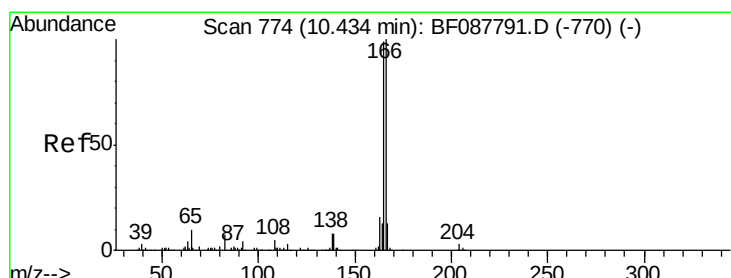
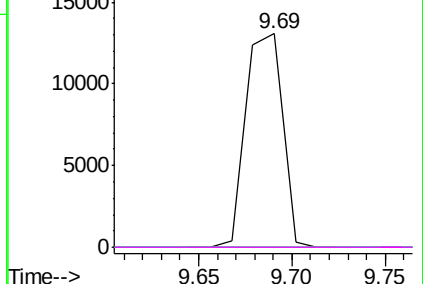
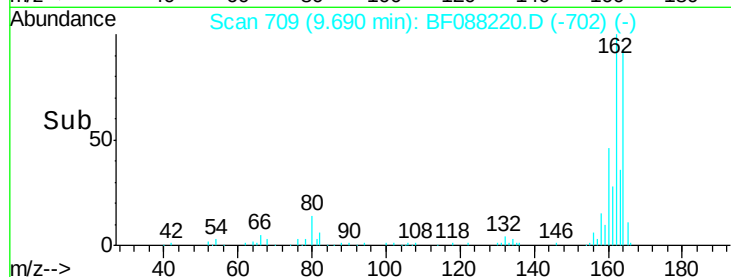


Abundance Ion 165.00 (164.70 to 165.70): E

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

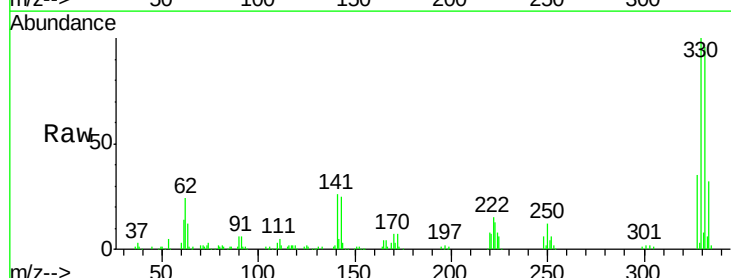
RT: 10.48 min Scan# 778

Delta R.T. 0.23 min

Lab File: BF088220.D

Acq: 21 Jun 2016 18:47

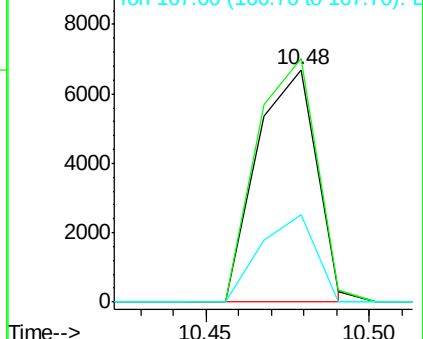
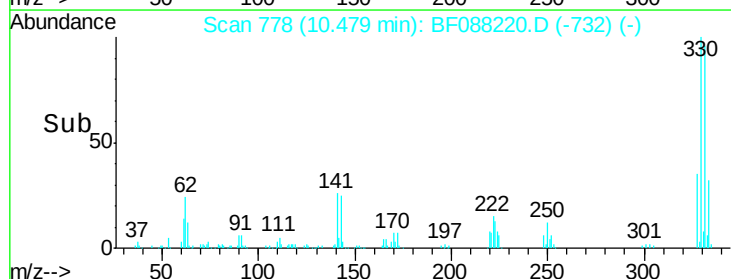
Tgt Ion:166	Resp:	8491
Ion Ratio	Lower	Upper
166	100	
165	104.7	77.8 116.8
167	37.4	11.2 16.8#

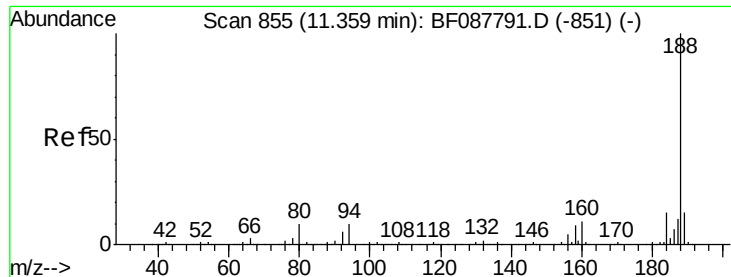


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

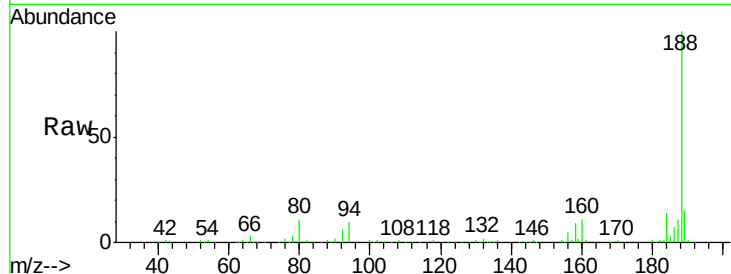




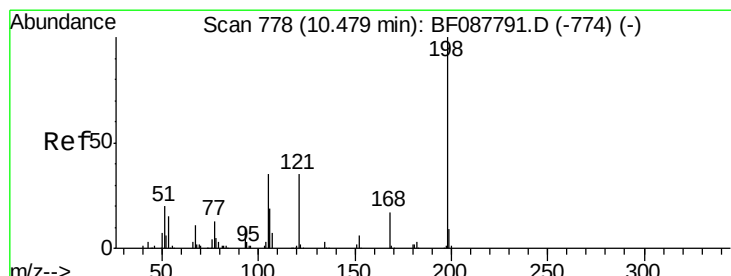
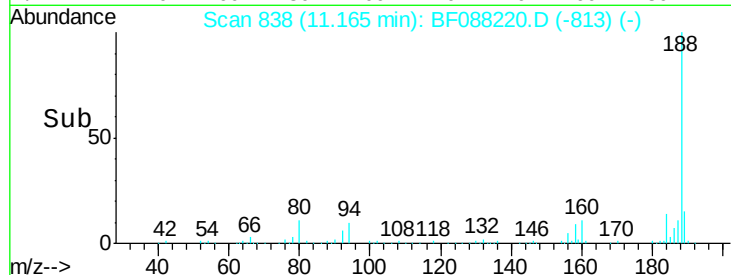
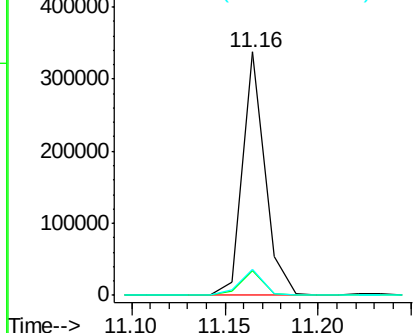
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF088220.D
Acq: 21 Jun 2016 18:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 284222
Ion Ratio Lower Upper
188 100
94 10.1 9.0 13.6
80 10.7 10.0 15.0

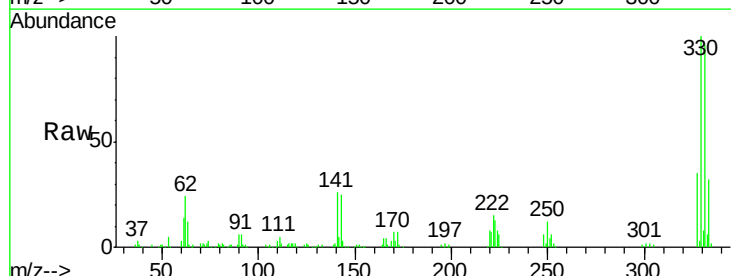


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

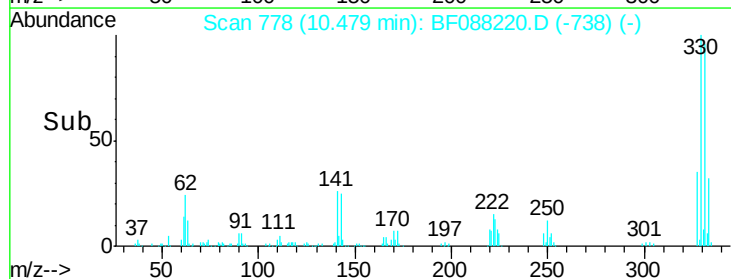
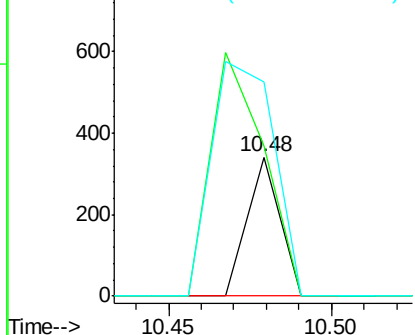


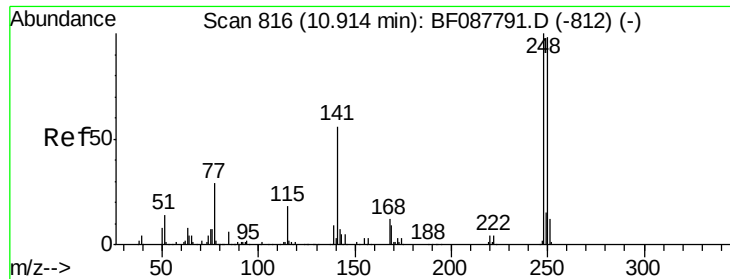
#64
4,6-Dinitro-2-methylphenol
Concen: 2.29 ng
RT: 10.48 min Scan# 778
Delta R.T. 0.16 min
Lab File: BF088220.D
Acq: 21 Jun 2016 18:47

Tgt Ion:198 Resp: 235
Ion Ratio Lower Upper
198 100
51 107.6 39.6 79.6#
105 153.5 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

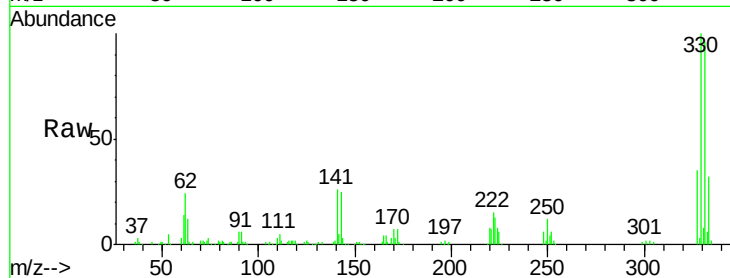




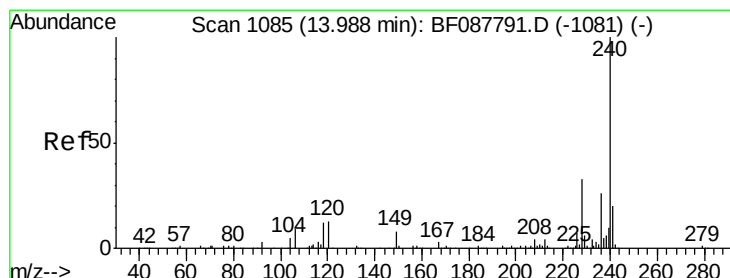
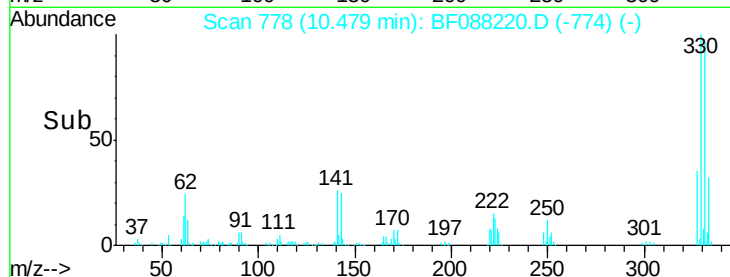
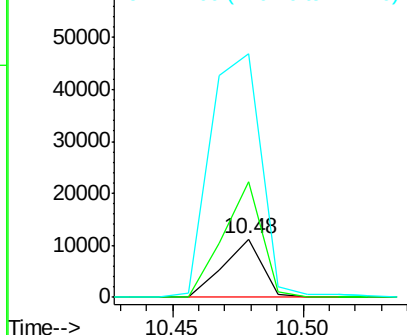
#66
4-Bromophenyl-phenylether
Concen: 3.83 ng
RT: 10.48 min Scan# 778
Delta R.T. -0.25 min
Lab File: BF088220.D
Acq: 21 Jun 2016 18:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11666
Ion Ratio Lower Upper
248 100
250 199.4 77.1 115.7#
141 419.1 50.6 76.0#

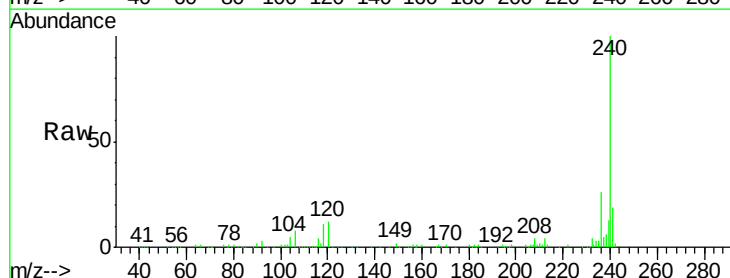


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

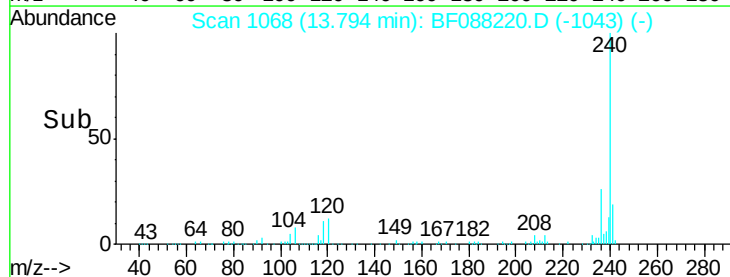
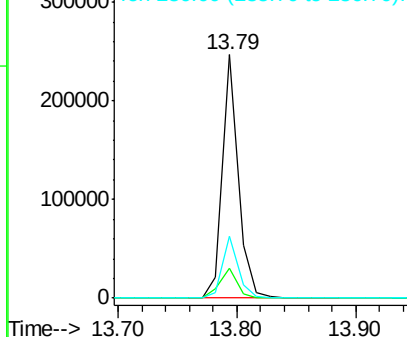


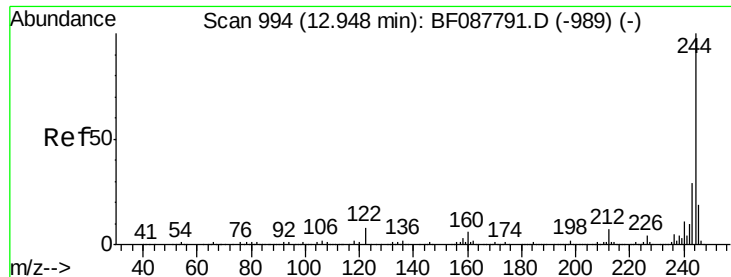
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BF088220.D
Acq: 21 Jun 2016 18:47

Tgt Ion:240 Resp: 226915
Ion Ratio Lower Upper
240 100
120 12.3 6.8 10.2#
236 25.6 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

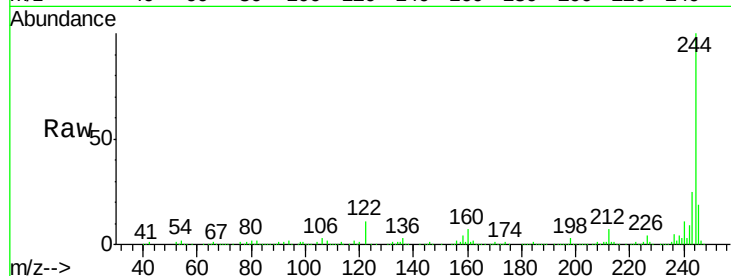




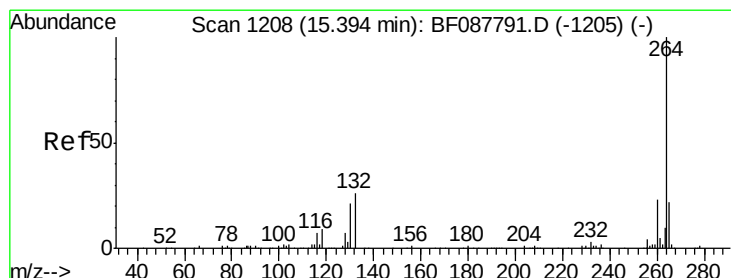
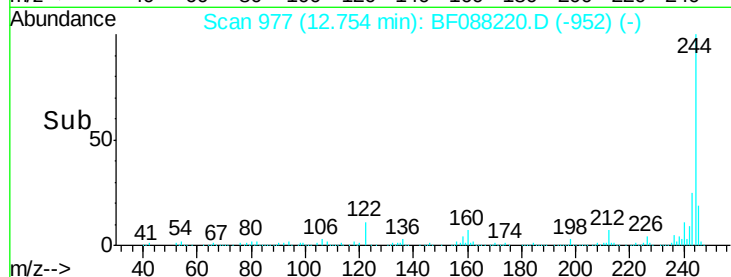
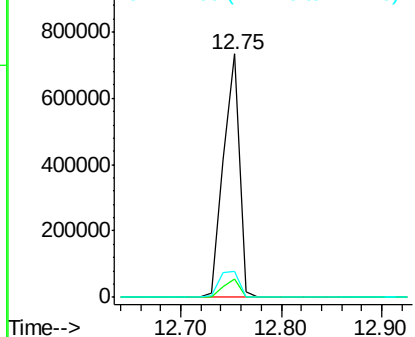
#78
 Terphenyl-d14
 Concen: 81.28 ng
 RT: 12.75 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: BF088220.D
 Acq: 21 Jun 2016 18:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 810480
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.8 11.2 16.8#

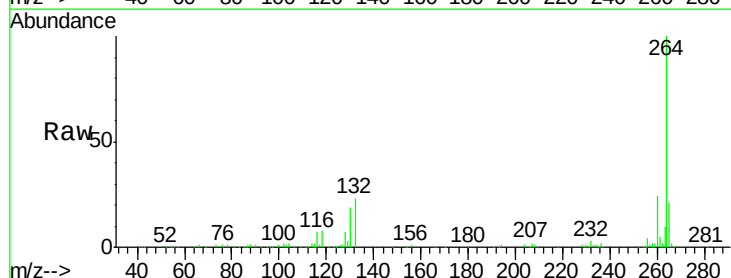


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF088220.D
 Acq: 21 Jun 2016 18:47

Tgt Ion:264 Resp: 169879
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.2 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

