

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
 Data File : BF088373.D
 Acq On : 25 Jun 2016 13:22
 Operator : UM/SJ
 Sample : H3602-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P8-B2(0-12)C

Quant Time: Jun 26 01:56:18 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

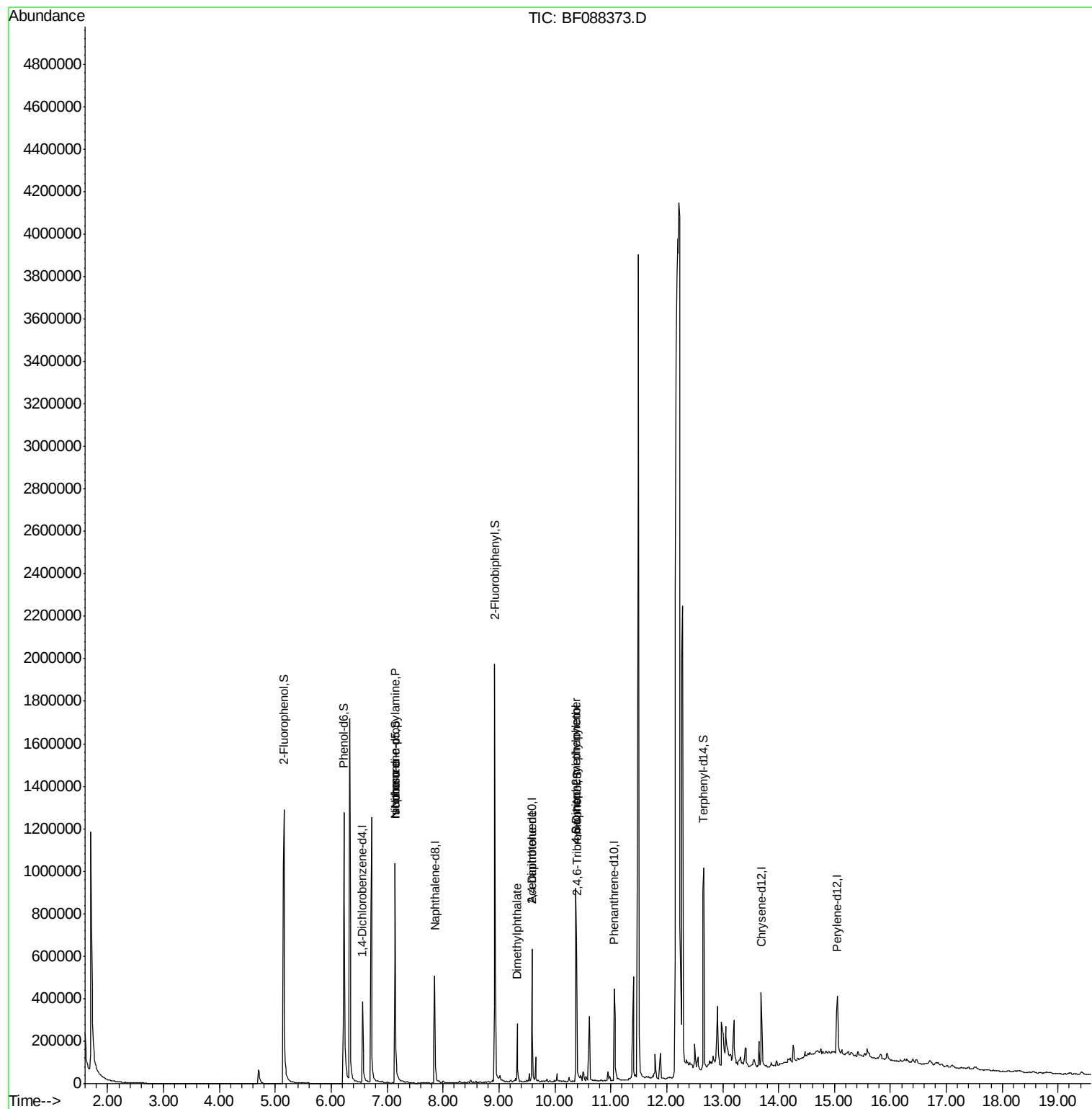
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	83581	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	319374	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	140582	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	236312	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	154926	20.00	ng	-0.06
86) Perylene-d12	15.05	264	150085	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	657117	134.40	ng	-0.02
7) Phenol-d6	6.23	99	803764	135.65	ng	-0.03
23) Nitrobenzene-d5	7.14	82	513764	93.94	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	173499	116.88	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	740624	82.60	ng	-0.05
78) Terphenyl-d14	12.66	244	458088	67.28	ng	-0.03
Target Compounds						
10) Phenol	6.24	94	3904	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.14	70	66033	17.42	ng	# 67
25) Isophorone	7.14	82	511739	50.51	ng	# 65
45) 1,1'-Biphenyl	8.92	154	1276	Below Cal	#	1
49) Dimethylphthalate	9.32	163	116471	11.44	ng	# 99
56) 2,4-Dinitrotoluene	9.59	165	17725	5.91	ng	# 37
57) Fluorene	10.15	166	529	Below Cal	#	55
64) 4,6-Dinitro-2-methylphenol	10.38	198	221	2.31	ng	# 1
66) 4-Bromophenyl-phenylether	10.38	248	10439	4.12	ng	# 1

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

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QLast Update : Wed Jun 22 14:55:14 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

Instrument :

BNA_F

ClientSampleId :

P8-B2(0-12)C

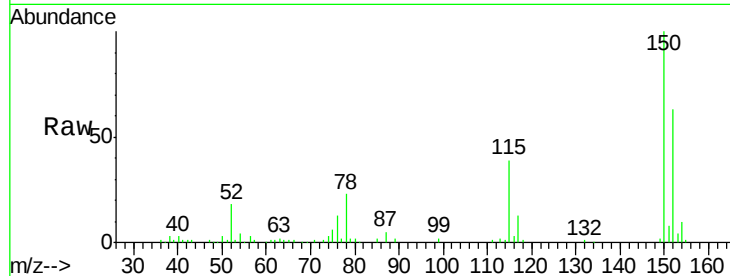
Tgt Ion:152 Resp: 83581

Ion Ratio Lower Upper

152 100

150 157.5 123.8 185.6

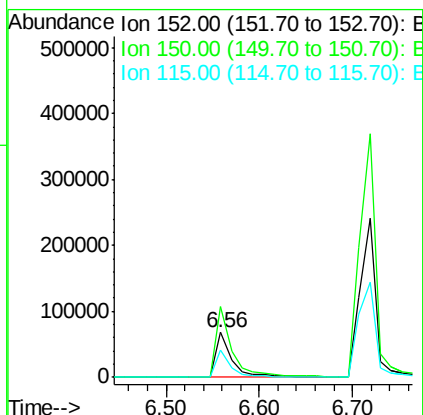
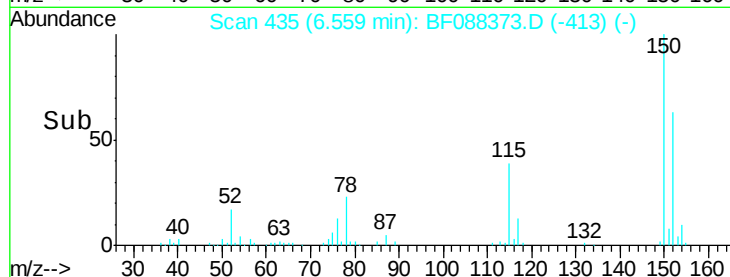
115 61.3 39.6 59.4#



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: 134.40 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

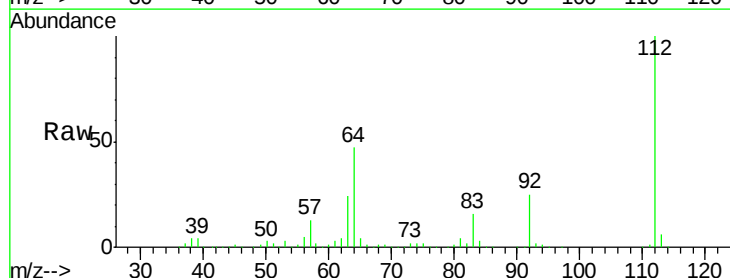
Tgt Ion:112 Resp: 657117

Ion Ratio Lower Upper

112 100

64 46.7 42.2 63.2

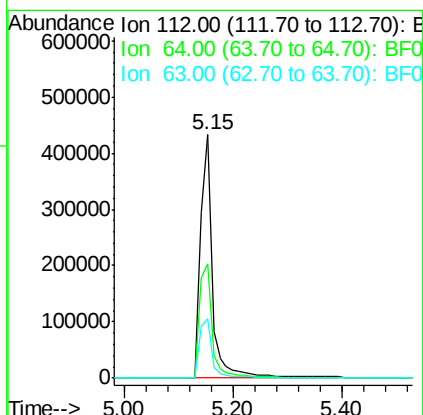
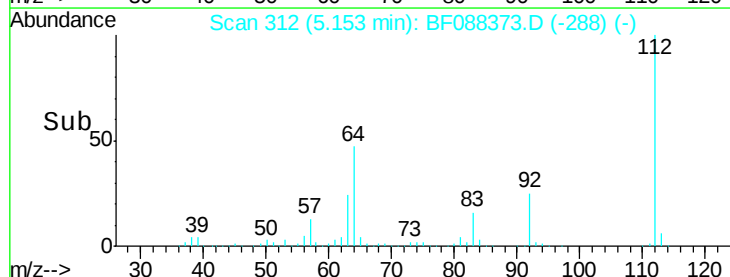
63 24.3 21.8 32.8



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: 135.65 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

Instrument :

BNA_F

ClientSampleId :

P8-B2(0-12)C

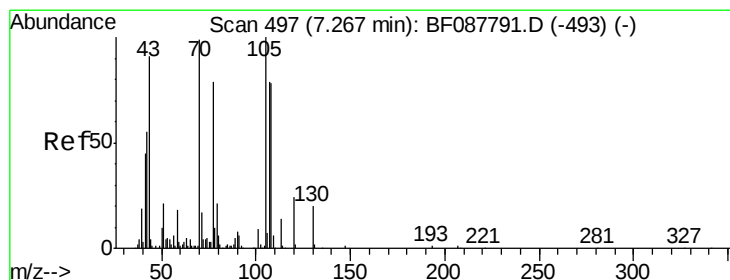
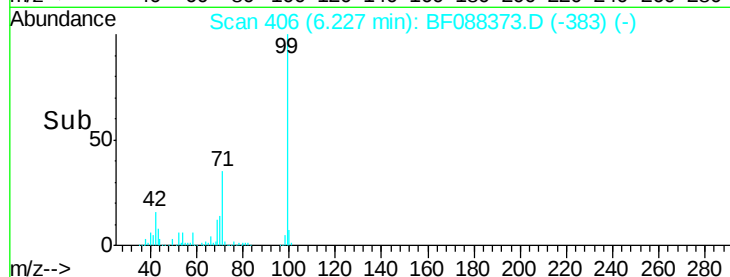
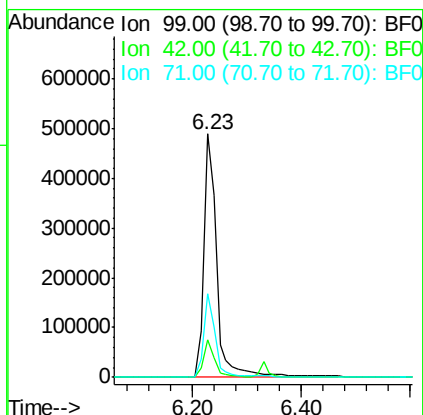
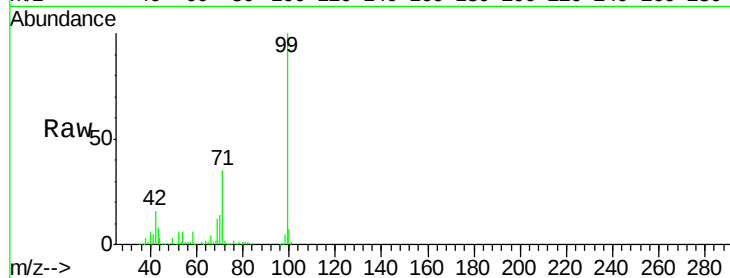
Tgt Ion: 99 Resp: 803764

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

71 34.6 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.42 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.10 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

Tgt Ion: 70 Resp: 66033

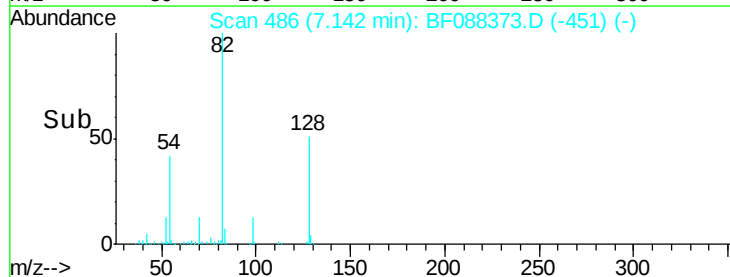
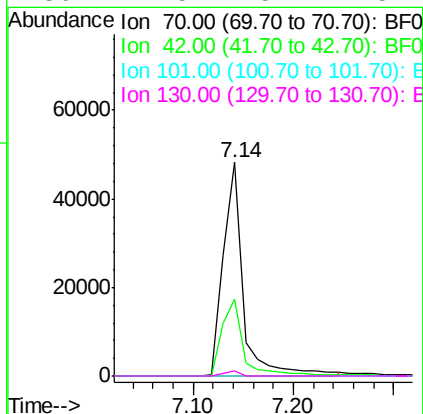
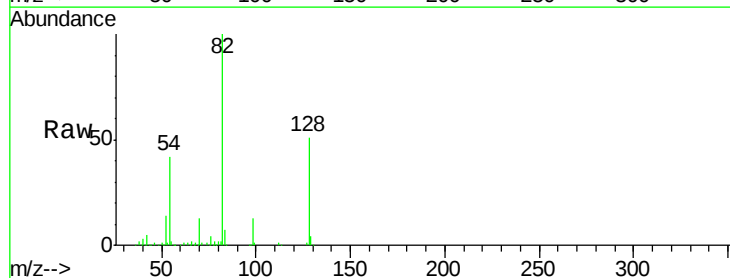
Ion Ratio Lower Upper

70 100

42 36.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

Instrument :

BNA_F

ClientSampleId :

P8-B2(0-12)C

Tgt Ion:136 Resp: 319374

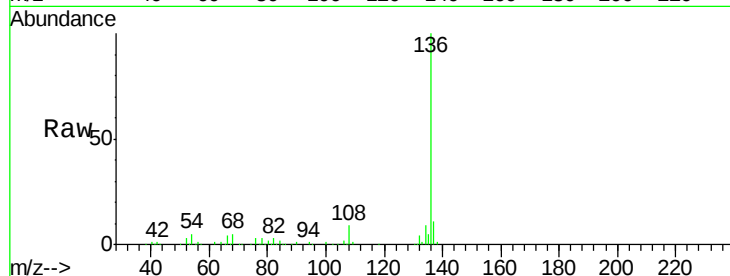
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.2 6.6 10.0#

68 4.7 5.1 7.7#

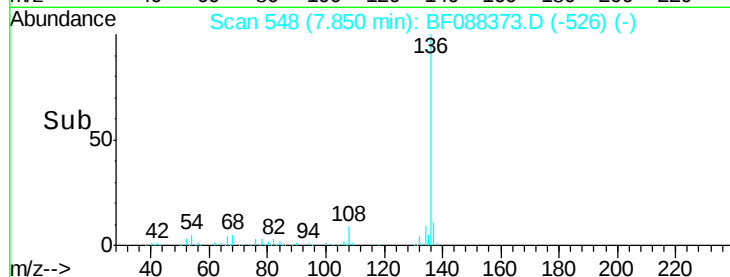


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

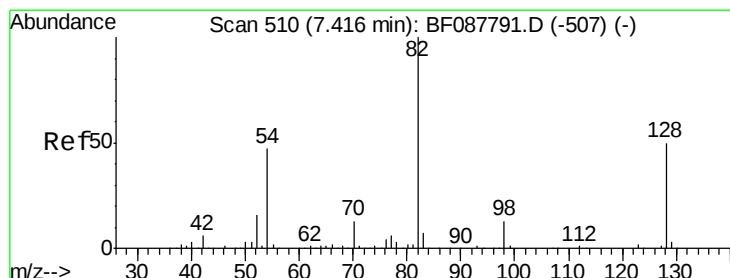
Ion 68.00 (67.70 to 68.70): BF0



Abundance

7.85

Time-->



#23

Nitrobenzene-d5

Concen: 93.94 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.03 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

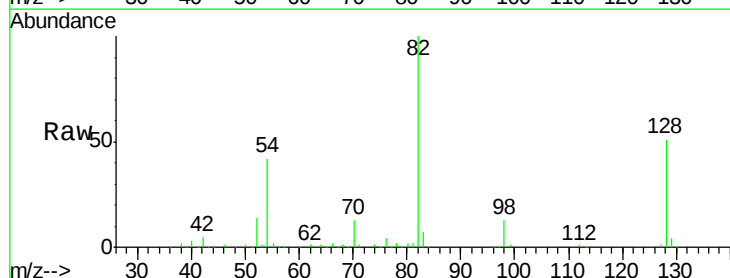
Tgt Ion: 82 Resp: 513764

Ion Ratio Lower Upper

82 100

128 51.0 35.9 53.9

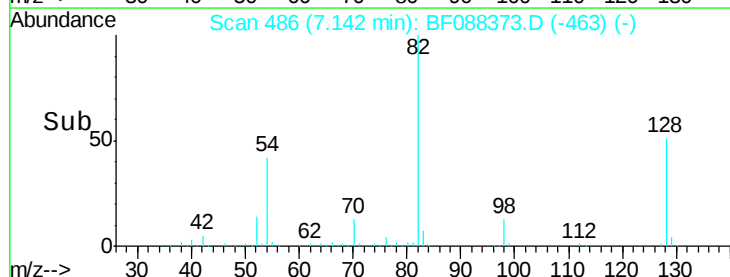
54 42.1 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

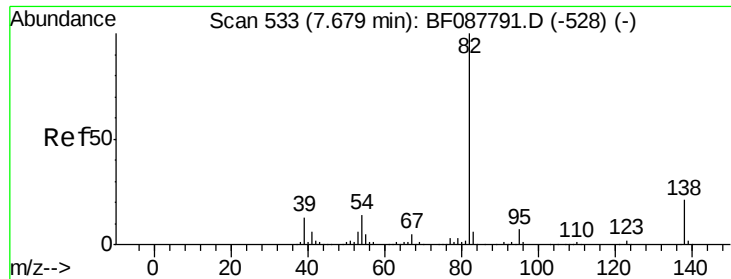
Ion 54.00 (53.70 to 54.70): BF0



Abundance

7.14

Time-->



#25

Isophorone

Concen: 50.51 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.30 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

Instrument :

BNA_F

ClientSampleId :

P8-B2(0-12)C

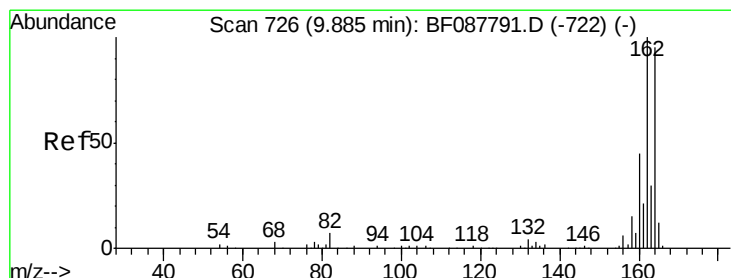
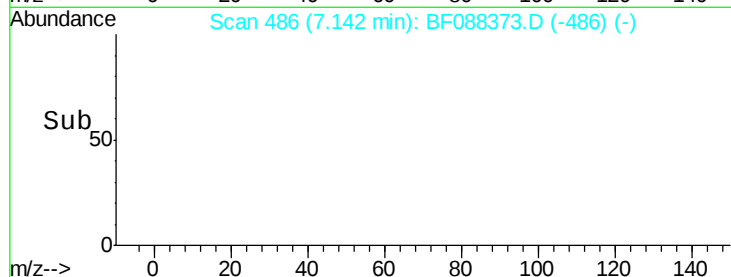
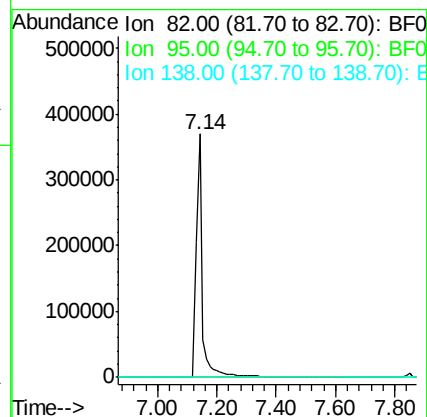
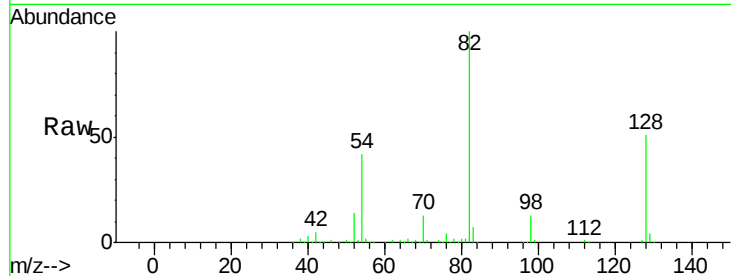
Tgt Ion: 82 Resp: 511739

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

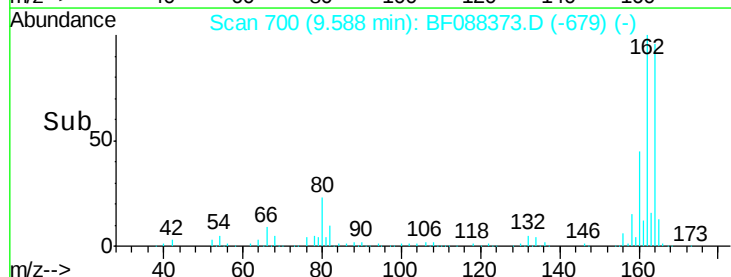
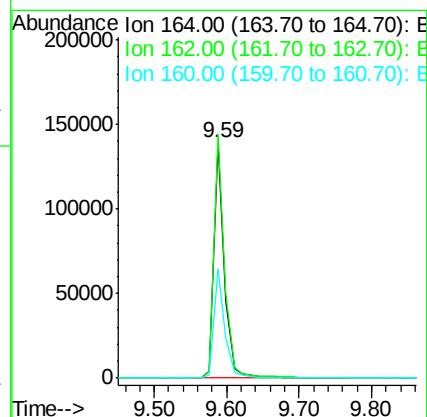
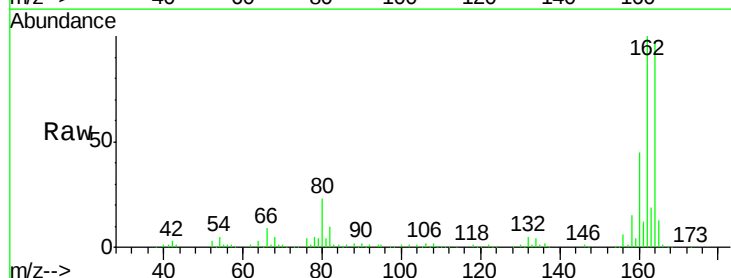
Tgt Ion: 164 Resp: 140582

Ion Ratio Lower Upper

164 100

162 103.5 85.4 128.2

160 46.6 39.5 59.3

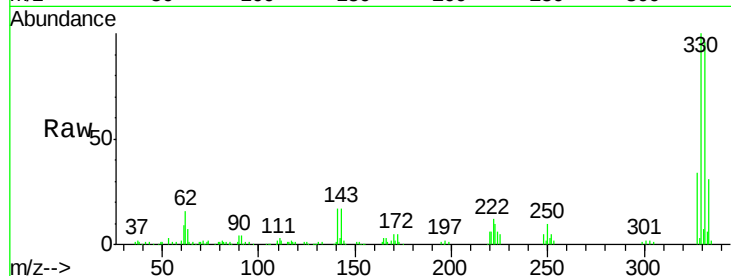




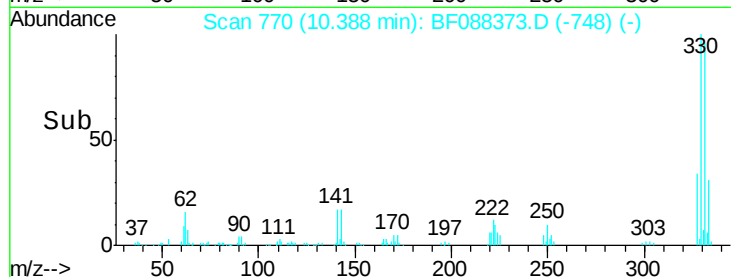
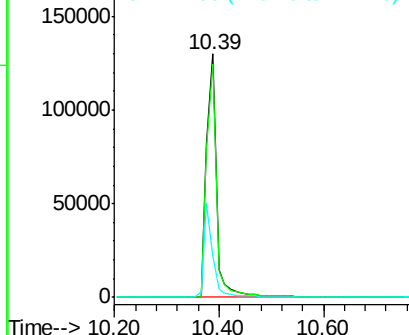
#41
 2,4,6-Tribromophenol
 Concen: 116.88 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF088373.D
 Acq: 25 Jun 2016 13:22

Instrument :
 BNA_F
 ClientSampleId :
 P8-B2(0-12)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	34.8	0.0	0.0#

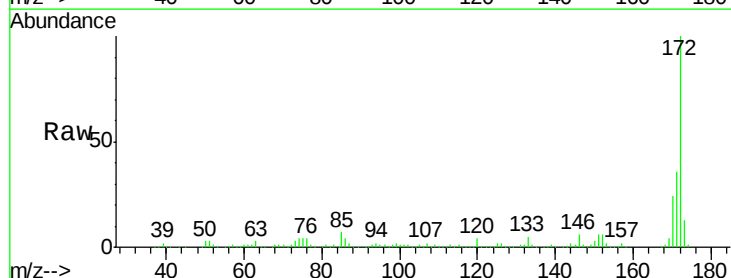


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

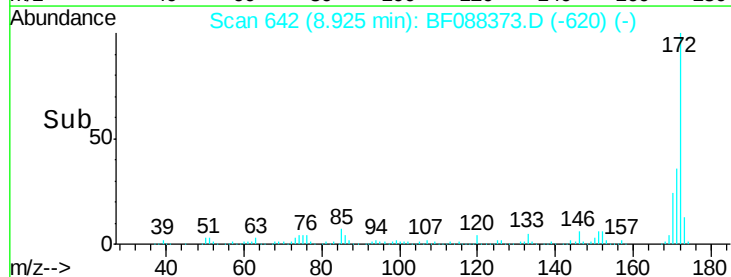
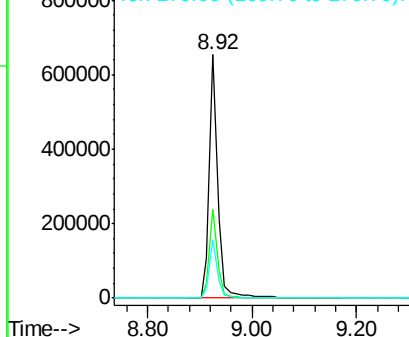


#44
 2-Fluorobiphenyl
 Concen: 82.60 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088373.D
 Acq: 25 Jun 2016 13:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	23.9	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: 8.92 min Scan# 642

Delta R.T. -0.15 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

Instrument :

BNA_F

ClientSampleId :

P8-B2(0-12)C

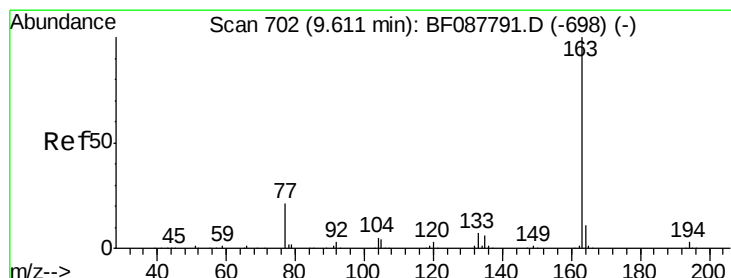
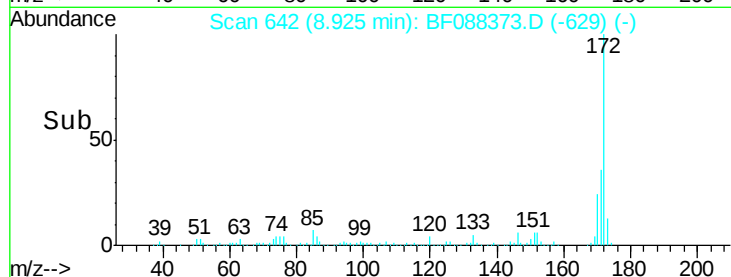
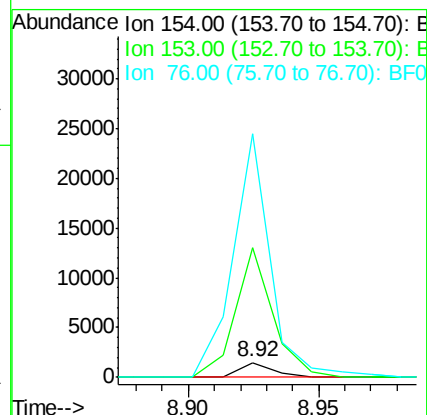
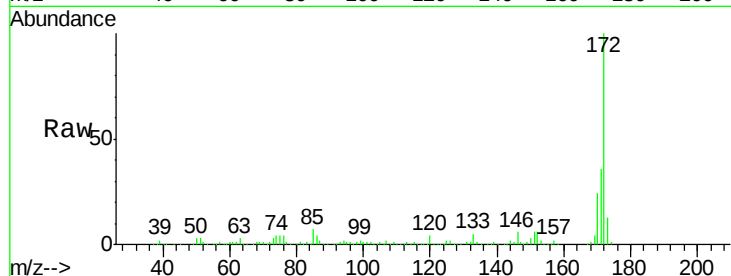
Tgt Ion:154 Resp: 1276

Ion Ratio Lower Upper

154 100

153 894.7 20.6 60.6#

76 1674.5 0.0 35.1#



#49

Dimethylphthalate

Concen: 11.44 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

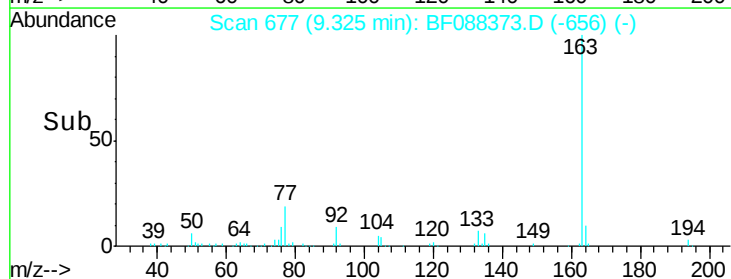
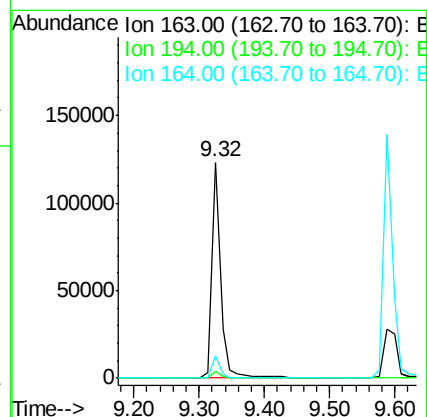
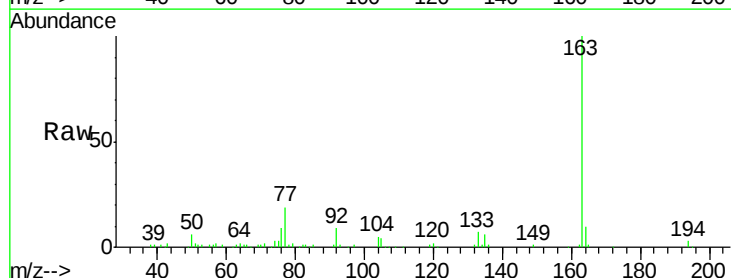
Tgt Ion:163 Resp: 116471

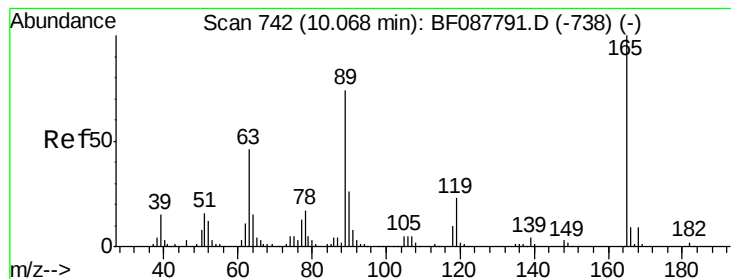
Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

164 10.3 8.3 12.5





#56

2,4-Dinitrotoluene

Concen: 5.91 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.26 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

Instrument :

BNA_F

ClientSampleId :

P8-B2(0-12)C

Tgt Ion:165 Resp: 17725

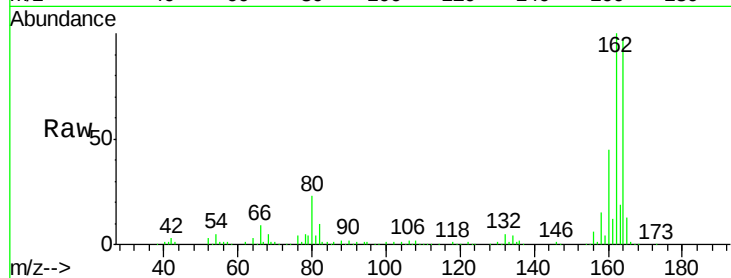
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

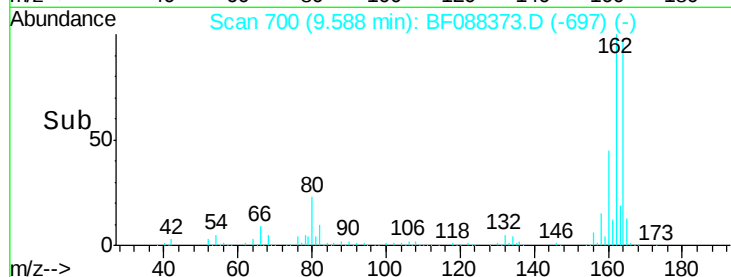


Abundance Ion 165.00 (164.70 to 165.70): E

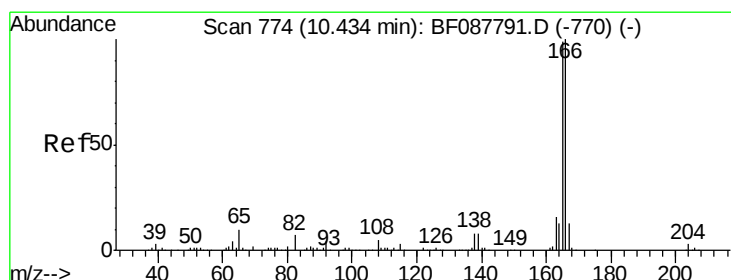
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#57

Fluorene

Concen: Below Cal

RT: 10.15 min Scan# 749

Delta R.T. -0.05 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

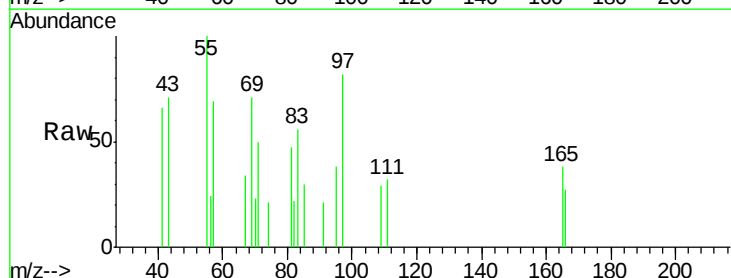
Tgt Ion:166 Resp: 529

Ion Ratio Lower Upper

166 100

165 143.6 77.8 116.8#

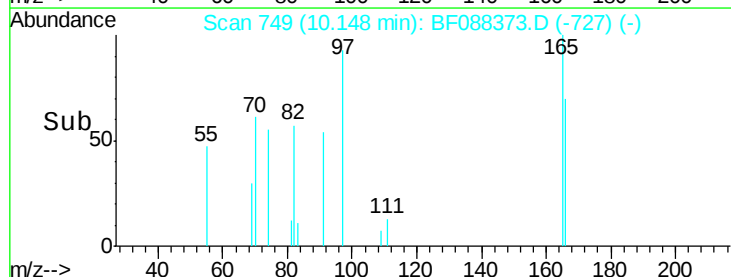
167 0.0 11.2 16.8#



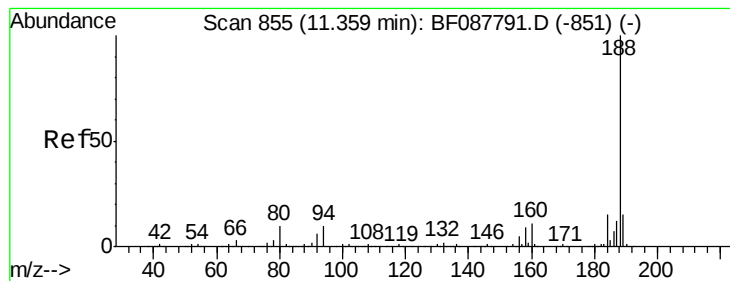
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 829

Delta R.T. -0.06 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

Instrument :

BNA_F

ClientSampleId :

P8-B2(0-12)C

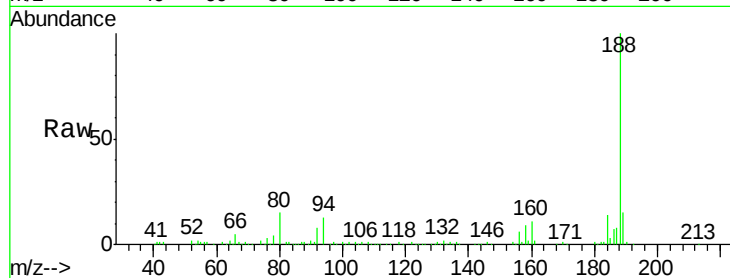
Tgt Ion:188 Resp: 236312

Ion Ratio Lower Upper

188 100

94 13.1 9.0 13.6

80 14.5 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

11.06

200000

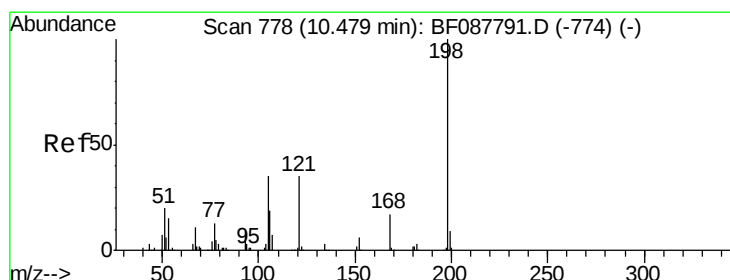
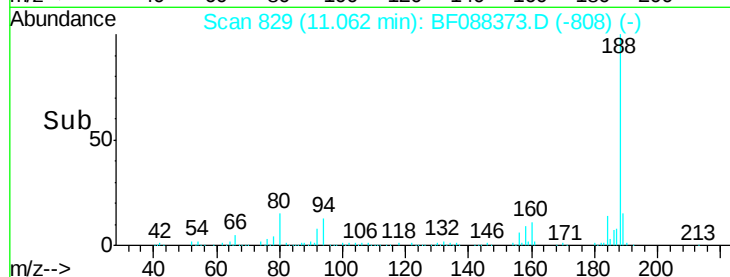
150000

100000

50000

0

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 2.31 ng

RT: 10.38 min Scan# 769

Delta R.T. 0.11 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

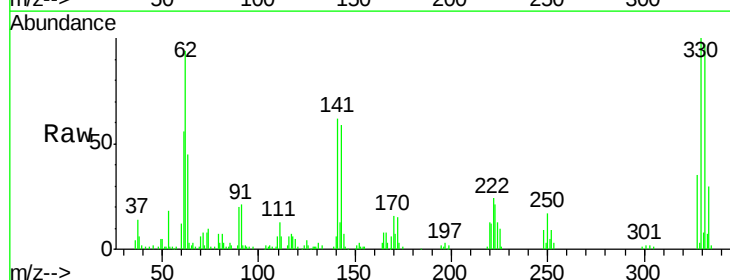
Tgt Ion:198 Resp: 221

Ion Ratio Lower Upper

198 100

51 174.2 39.6 79.6#

105 272.7 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

1200

1000

800

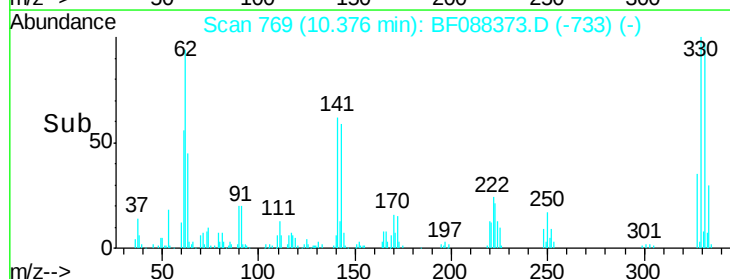
600

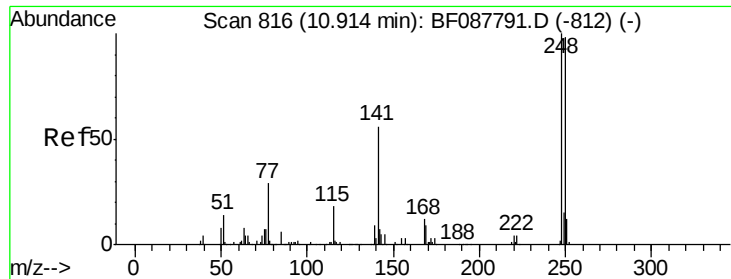
400

200

0

Time-->

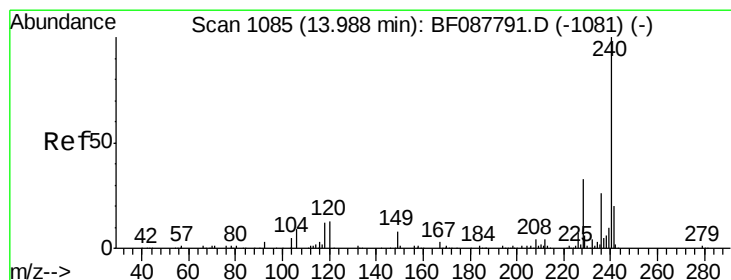
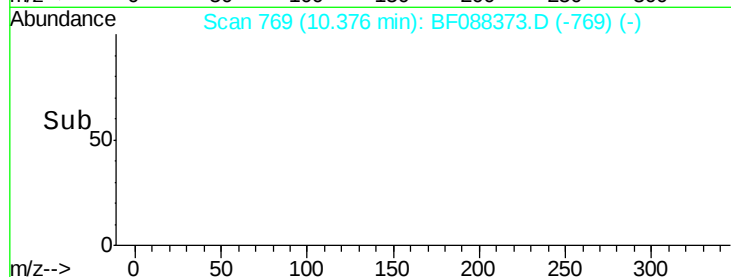
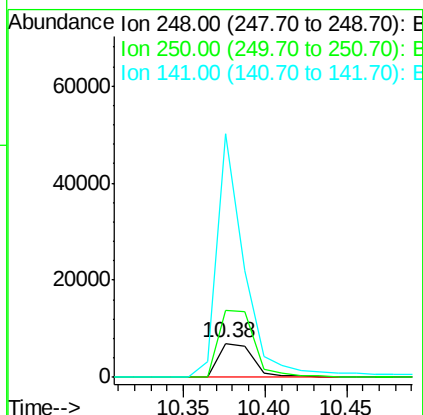
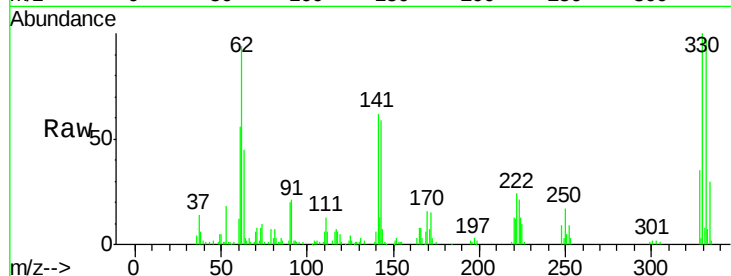




#66
4-Bromophenyl-phenylether
Concen: 4.12 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.30 min
Lab File: BF088373.D
Acq: 25 Jun 2016 13:22

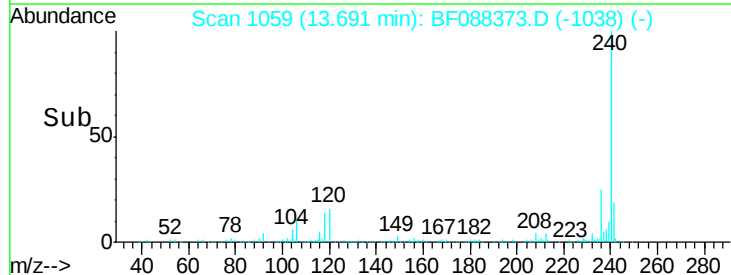
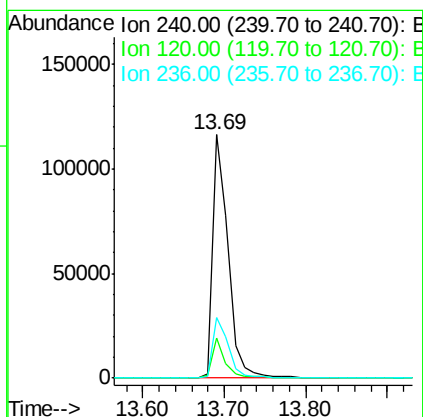
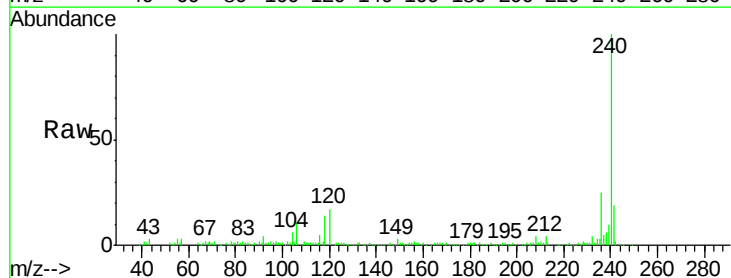
Instrument :
BNA_F
ClientSampleId :
P8-B2(0-12)C

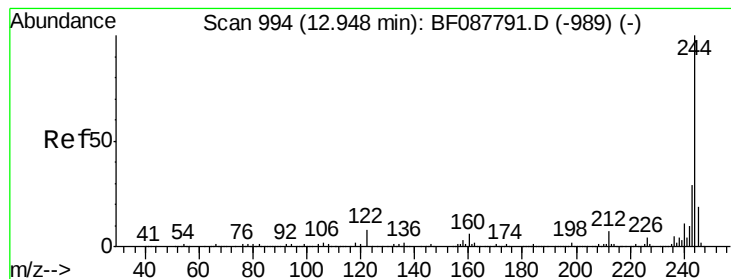
Tgt Ion:248 Resp: 10439
Ion Ratio Lower Upper
248 100
250 195.7 77.1 115.7#
141 709.2 50.6 76.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.06 min
Lab File: BF088373.D
Acq: 25 Jun 2016 13:22

Tgt Ion:240 Resp: 154926
Ion Ratio Lower Upper
240 100
120 16.5 6.8 10.2#
236 24.8 20.2 30.2





#78

Terphenyl-d14

Concen: 67.28 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.03 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

Instrument :

BNA_F

ClientSampleId :

P8-B2(0-12)C

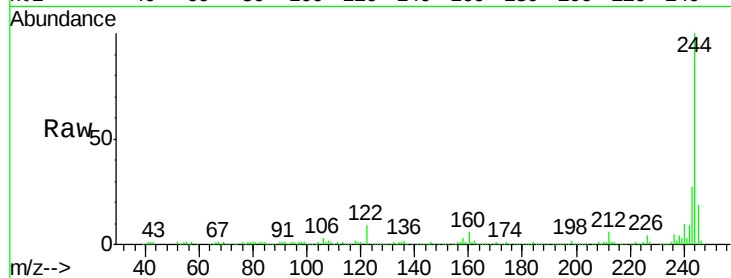
Tgt Ion:244 Resp: 458088

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

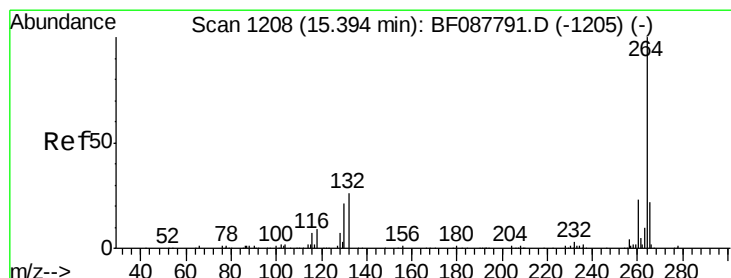
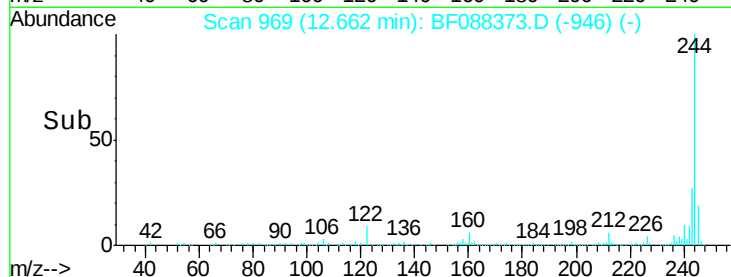
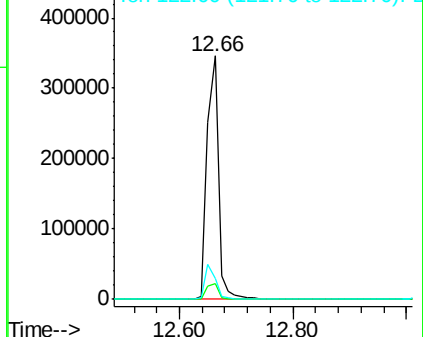
122 8.8 11.2 16.8#



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: 15.05 min Scan# 1178

Delta R.T. -0.06 min

Lab File: BF088373.D

Acq: 25 Jun 2016 13:22

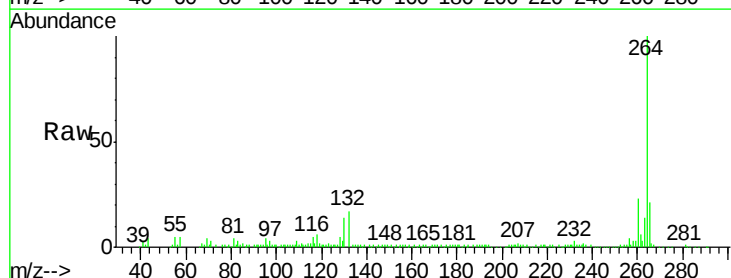
Tgt Ion:264 Resp: 150085

Ion Ratio Lower Upper

264 100

260 23.2 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

