

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
 Data File : BF088372.D
 Acq On : 25 Jun 2016 12:53
 Operator : UM/SJ
 Sample : H3602-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 08-B2(0-2)C

Quant Time: Jun 26 01:56:07 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	79878	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	317404	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	146808	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	253452	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	159826	20.00	ng	-0.06
86) Perylene-d12	15.05	264	152004	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	565593	121.05	ng	-0.02
7) Phenol-d6	6.23	99	808891	142.85	ng	-0.03
23) Nitrobenzene-d5	7.14	82	543070	99.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.38	330	104052	67.12	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	828284	88.88	ng	-0.05
78) Terphenyl-d14	12.65	244	609881	86.83	ng	-0.05

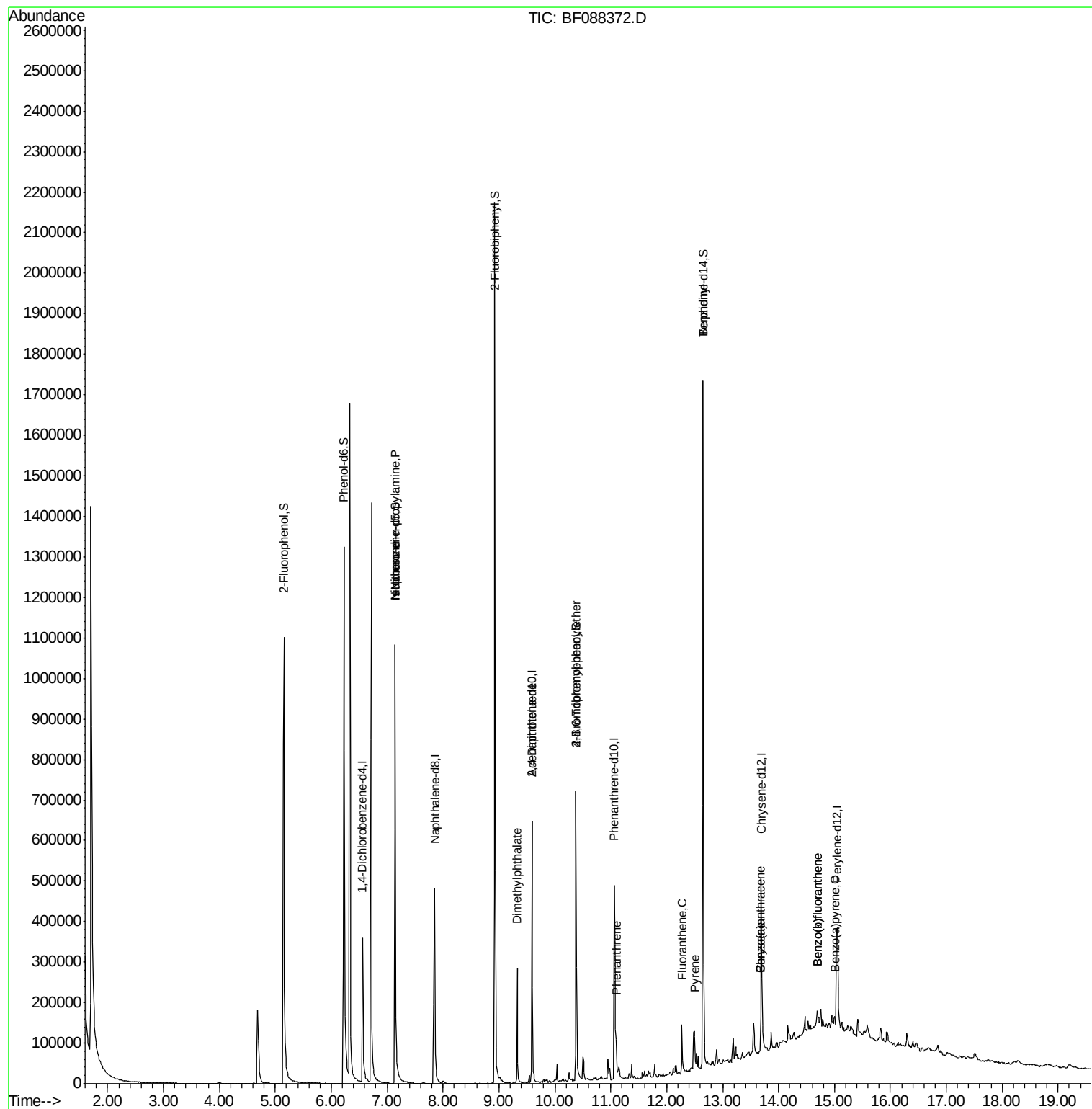
Target Compounds				Qvalue		
10) Phenol	6.24	94	4145	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.14	70	68521	18.92	ng	68
25) Isophorone	7.14	82	537576	53.39	ng	65
45) 1,1'-Biphenyl	9.03	154	468	Below Cal	#	43
49) Dimethylphthalate	9.32	163	124481	11.71	ng	99
56) 2,4-Dinitrotoluene	9.59	165	18659	5.96	ng	37
57) Fluorene	10.15	166	2642	Below Cal	#	98
66) 4-Bromophenyl-phenylether	10.38	248	6599	2.43	ng	1
70) Phenanthrene	11.10	178	49421	3.72	ng	99
74) Fluoranthene	12.27	202	58160	4.14	ng	97
76) Benzidine	12.65	184	9046	2.04	ng	90
77) Pyrene	12.50	202	47632	4.02	ng	99
80) Benzo(a)anthracene	13.68	228	22067	2.42	ng	96
82) Chrysene	13.68	228	22067	2.58	ng	92
87) Benzo(b)fluoranthene	14.70	252	34164	3.22	ng	80
88) Benzo(k)fluoranthene	14.70	252	34164	4.27	ng	85
89) Benzo(a)pyrene	15.01	252	17350	2.02	ng	89

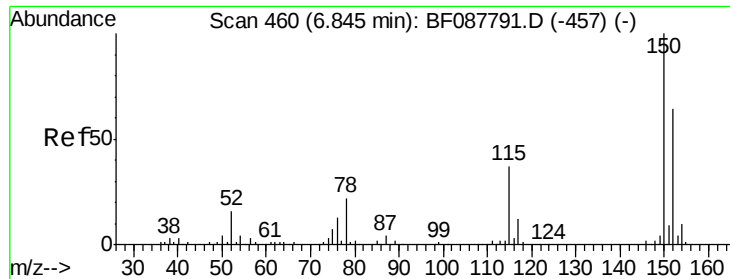
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

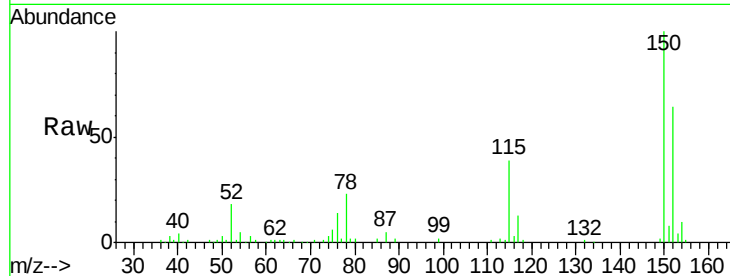
Tgt Ion:152 Resp: 79878

Ion Ratio Lower Upper

152 100

150 157.2 123.8 185.6

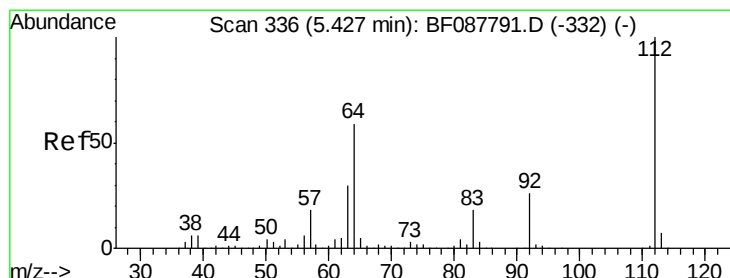
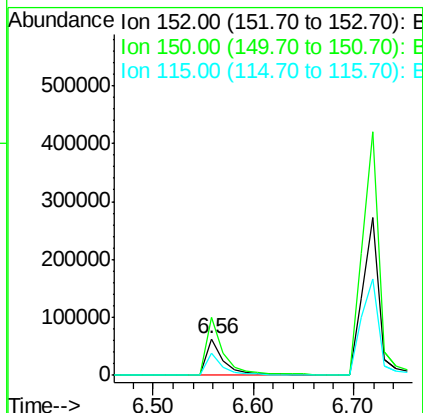
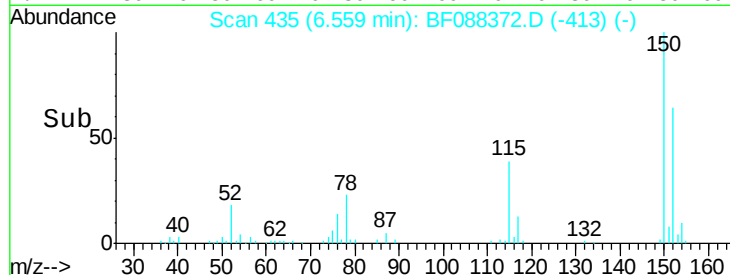
115 61.9 39.6 59.4#



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: 121.05 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

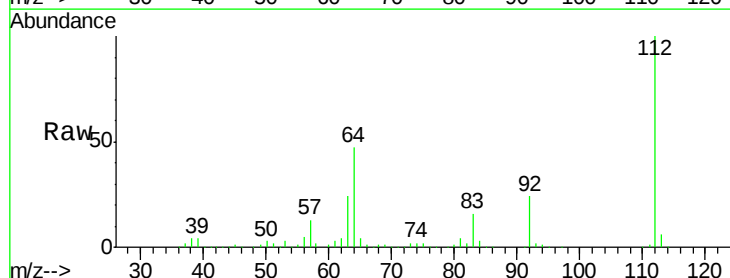
Tgt Ion:112 Resp: 565593

Ion Ratio Lower Upper

112 100

64 46.8 42.2 63.2

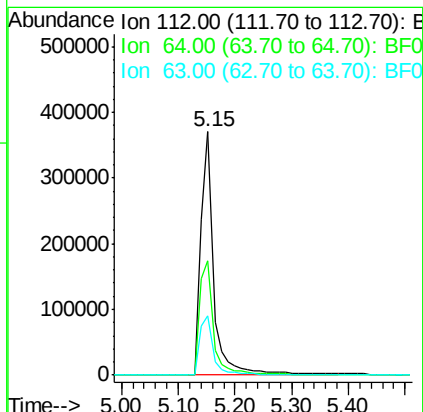
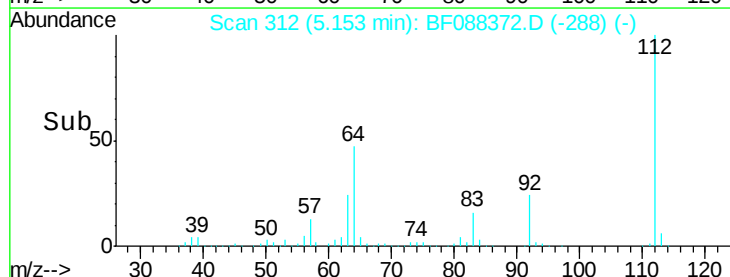
63 24.2 21.8 32.8

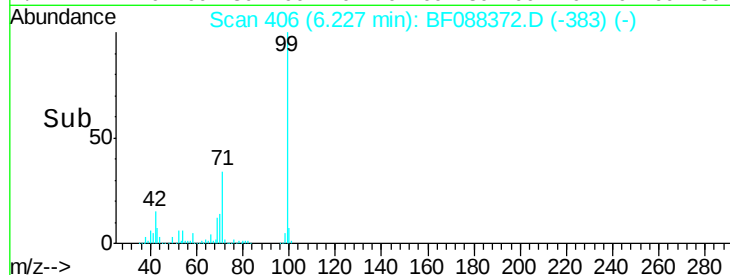
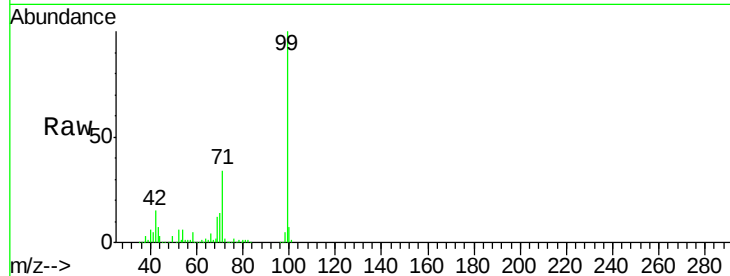


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 142.85 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

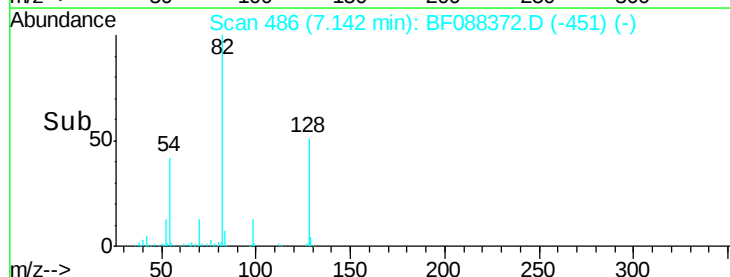
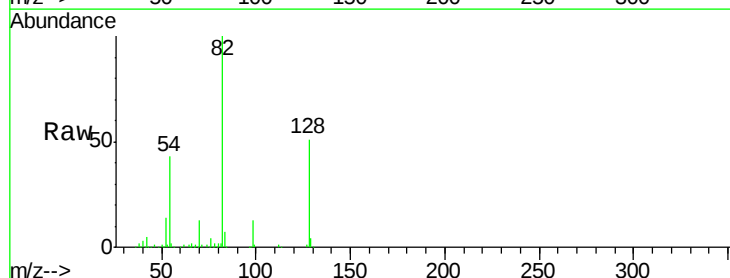
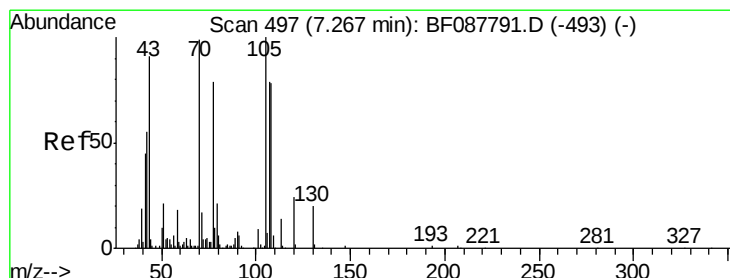
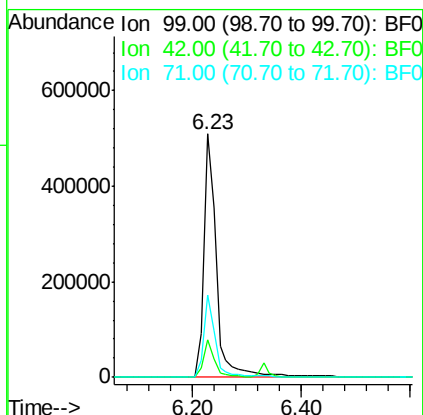
Tgt Ion: 99 Resp: 808891

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

71 34.1 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.92 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.10 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Tgt Ion: 70 Resp: 68521

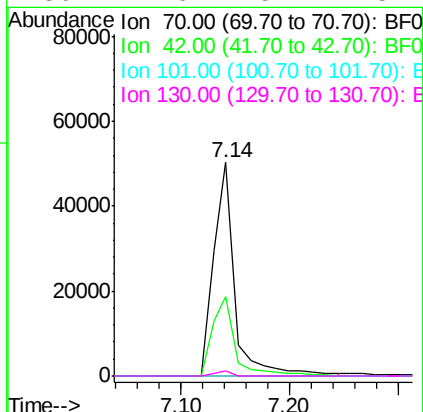
Ion Ratio Lower Upper

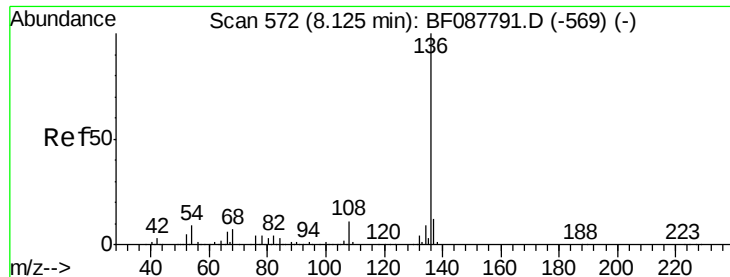
70 100

42 37.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.6 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: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

Tgt Ion:136 Resp: 317404

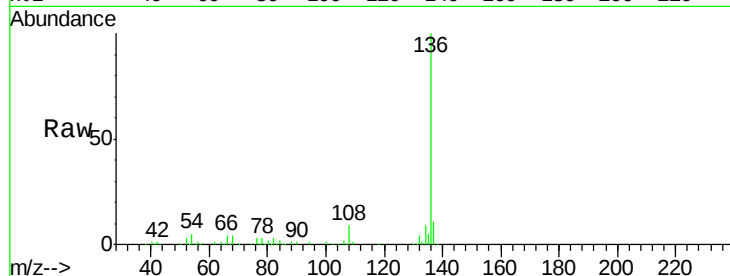
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.3 6.6 10.0#

68 4.5 5.1 7.7#

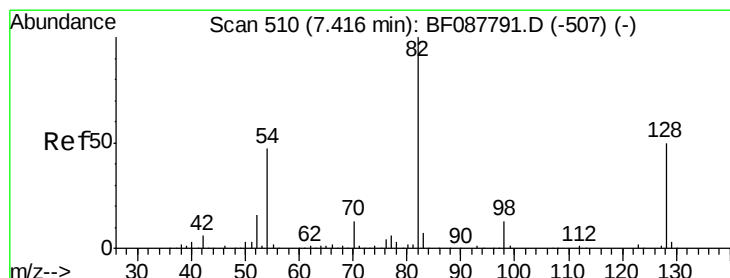
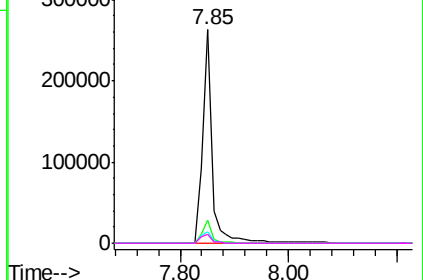
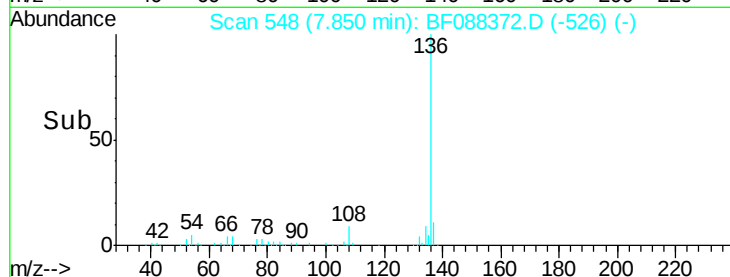


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.91 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.03 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

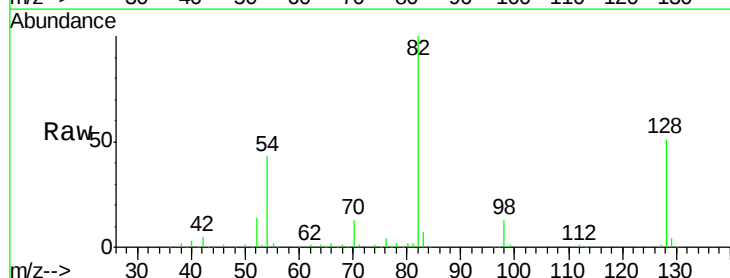
Tgt Ion: 82 Resp: 543070

Ion Ratio Lower Upper

82 100

128 51.0 35.9 53.9

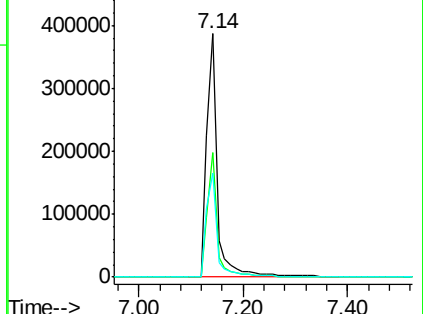
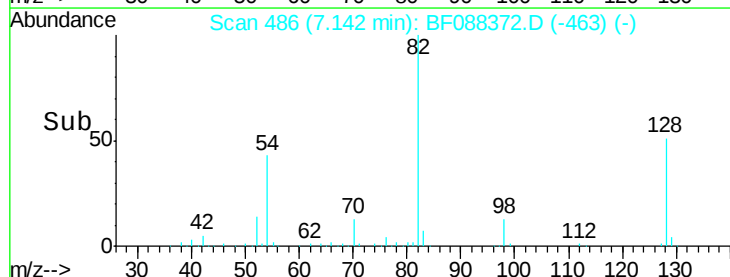
54 42.6 40.9 61.3

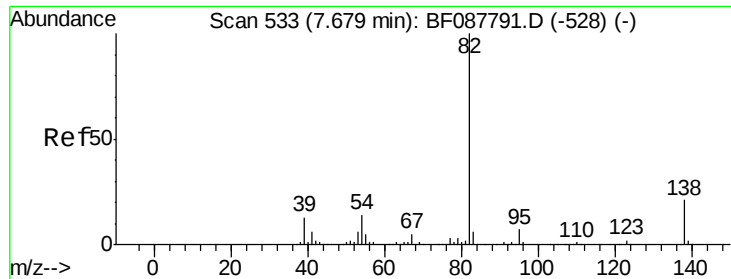


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 53.39 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.30 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

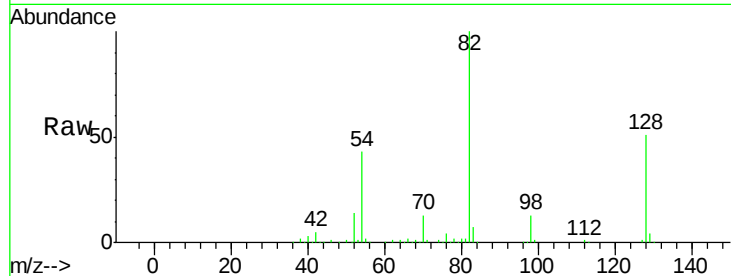
Tgt Ion: 82 Resp: 537576

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

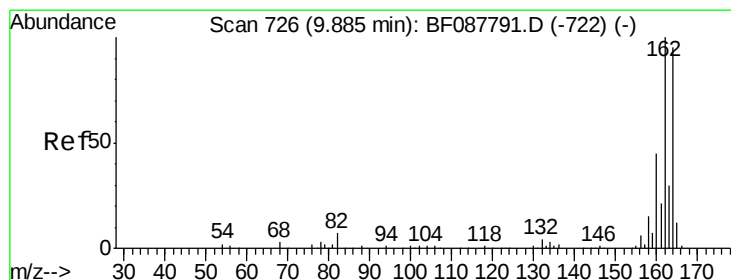
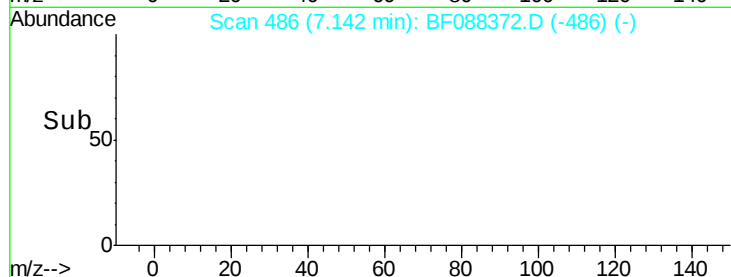
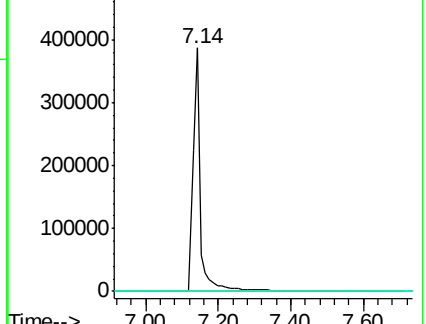
138 0.0 14.6 21.8#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

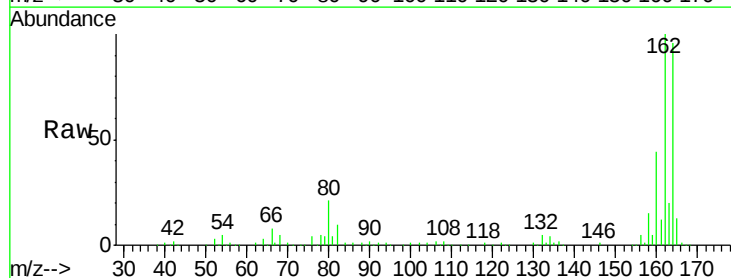
Tgt Ion: 164 Resp: 146808

Ion Ratio Lower Upper

164 100

162 104.0 85.4 128.2

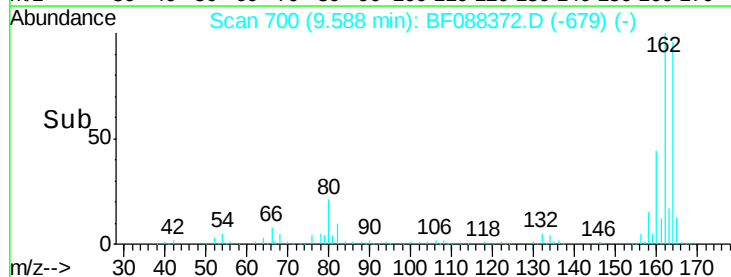
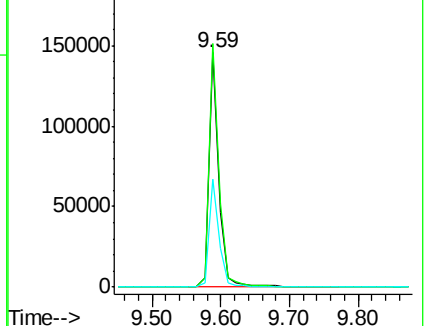
160 46.0 39.5 59.3

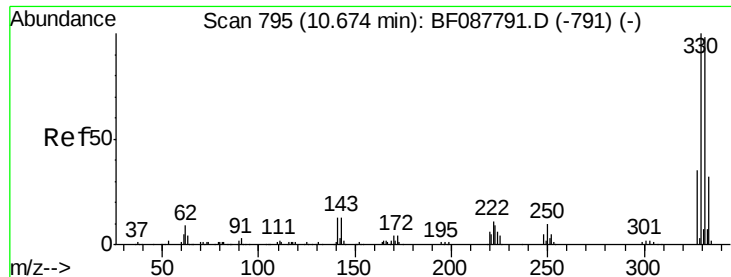


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

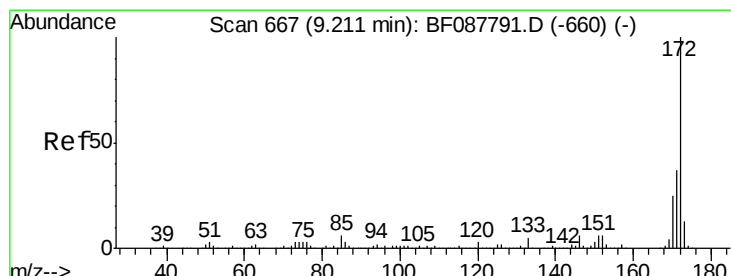
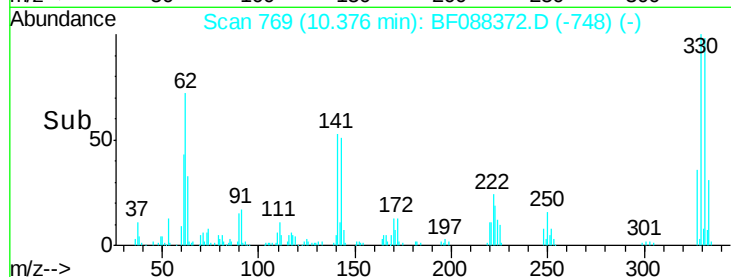
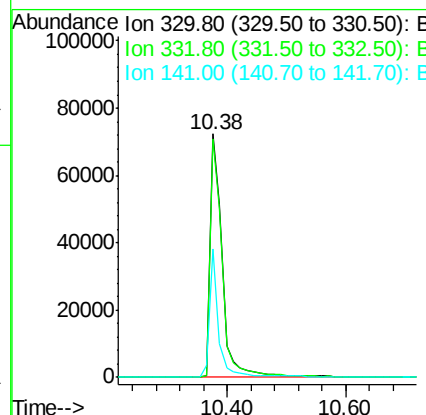
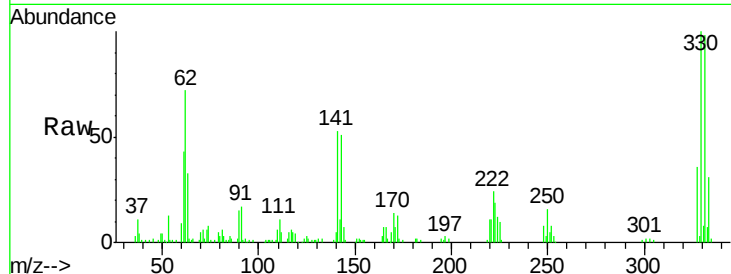




#41
 2,4,6-Tribromophenol
 Concen: 67.12 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.06 min
 Lab File: BF088372.D
 Acq: 25 Jun 2016 12:53

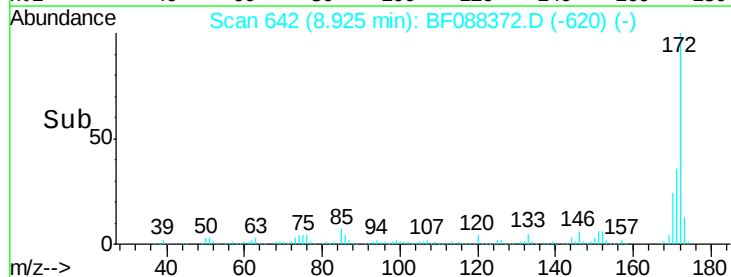
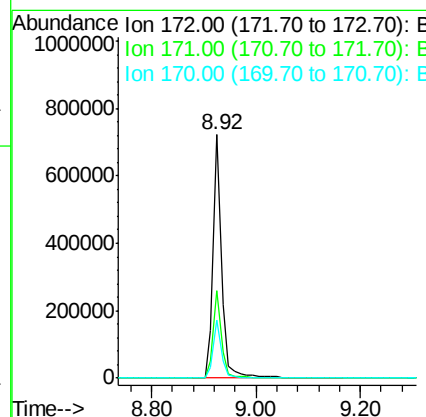
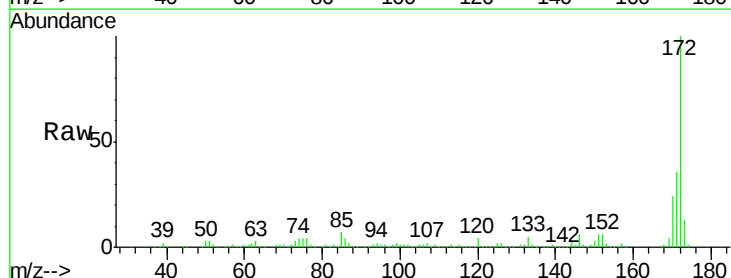
Instrument :
 BNA_F
 ClientSampleId :
 08-B2(0-2)C

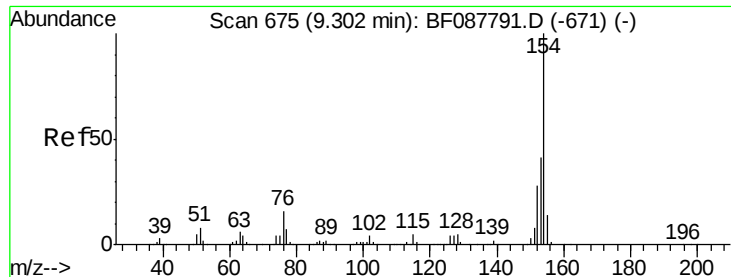
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	0.0	0.0#
141	39.8	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 88.88 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088372.D
 Acq: 25 Jun 2016 12:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.9	19.2	28.8





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.03 min Scan# 651

Delta R.T. -0.05 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

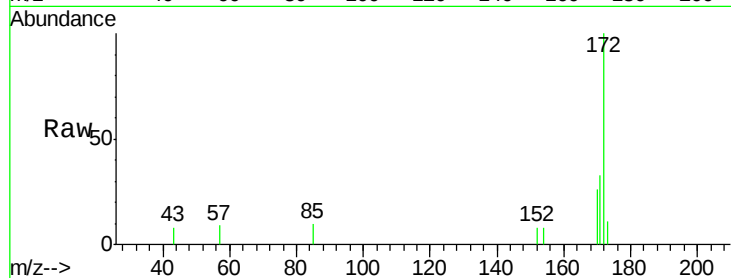
Tgt Ion:154 Resp: 468

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

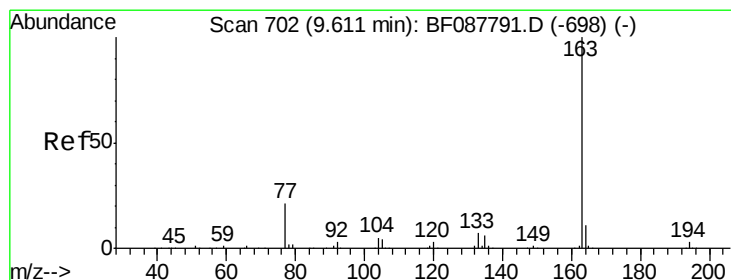
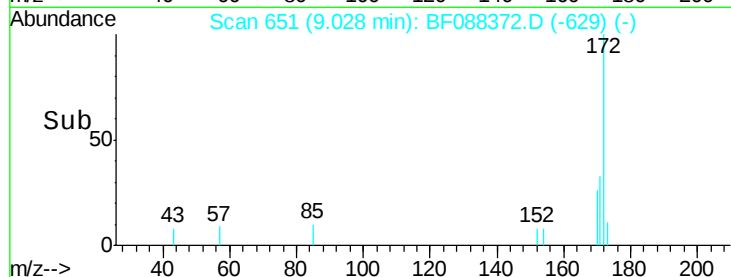
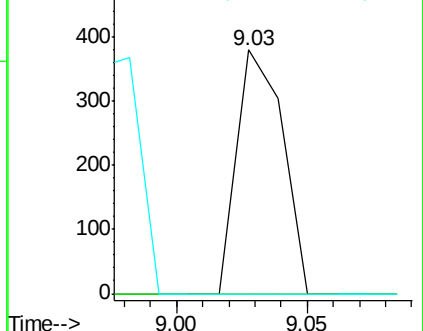
76 0.0 0.0 35.1



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



#49

Dimethylphthalate

Concen: 11.71 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

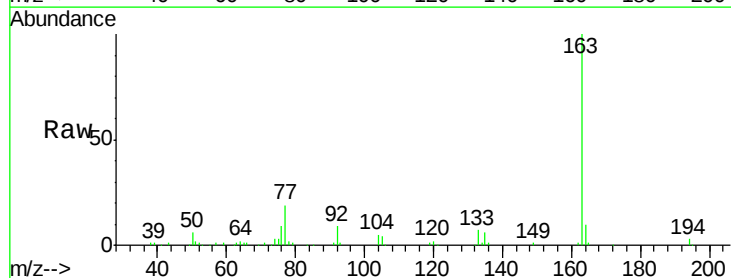
Tgt Ion:163 Resp: 124481

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

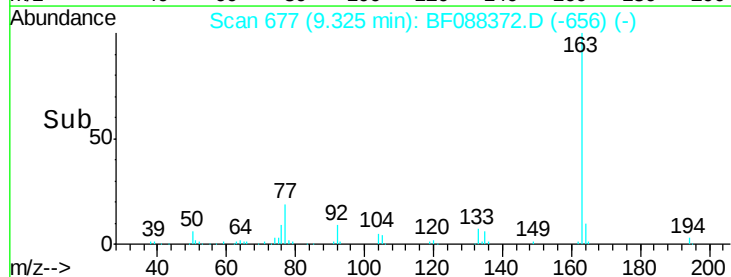
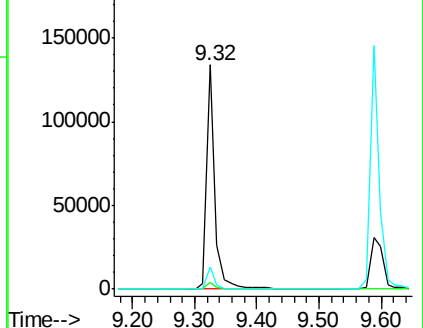
164 10.2 8.3 12.5

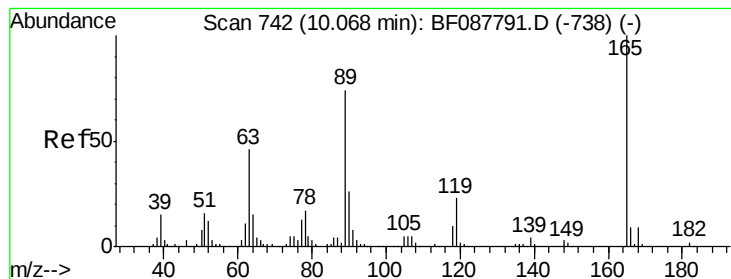


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 5.96 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.26 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

Tgt Ion:165 Resp: 18659

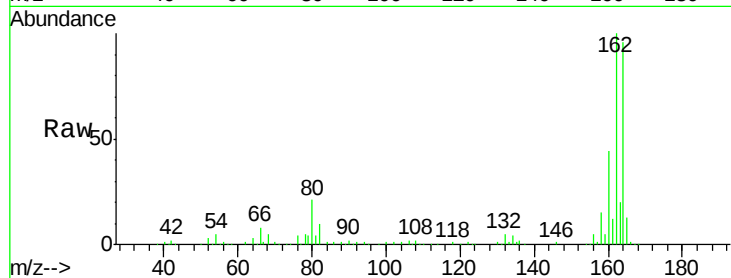
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

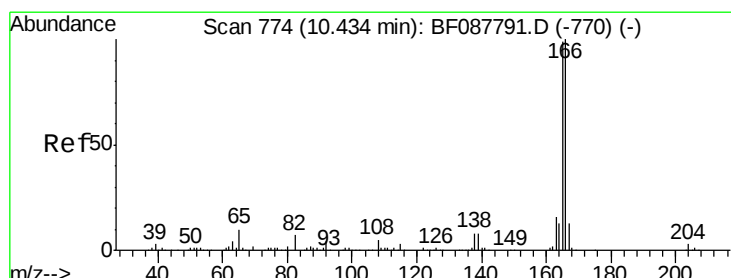
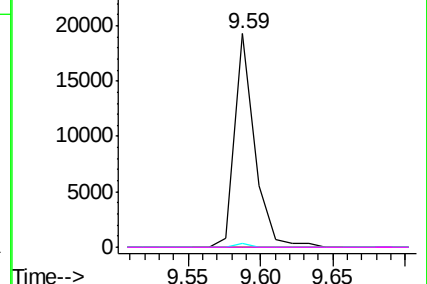
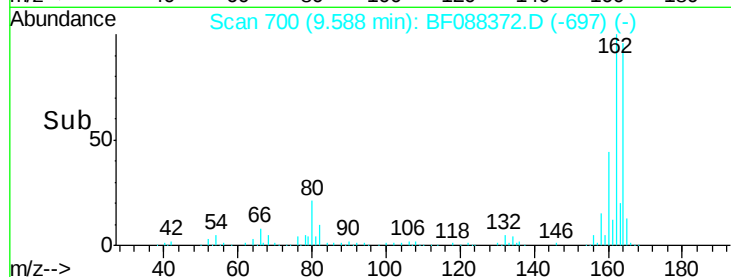


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

RT: 10.15 min Scan# 749

Delta R.T. -0.05 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

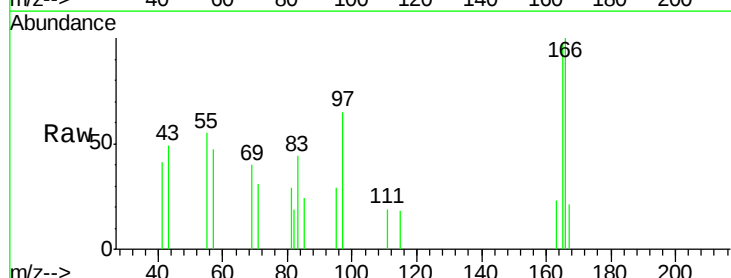
Tgt Ion:166 Resp: 2642

Ion Ratio Lower Upper

166 100

165 97.3 77.8 116.8

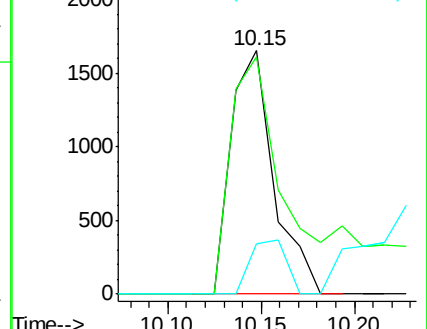
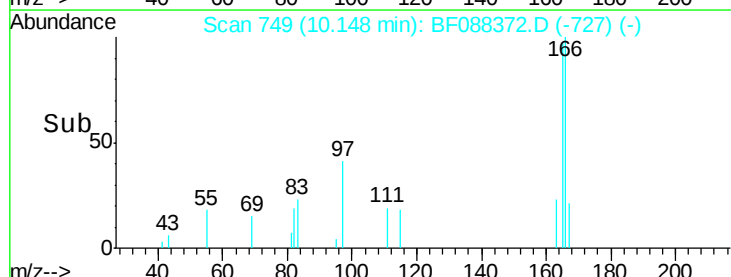
167 20.8 11.2 16.8#

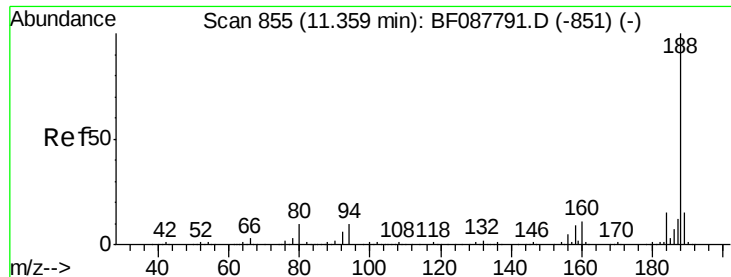


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

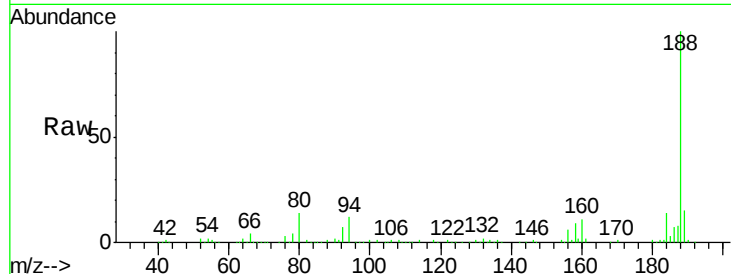




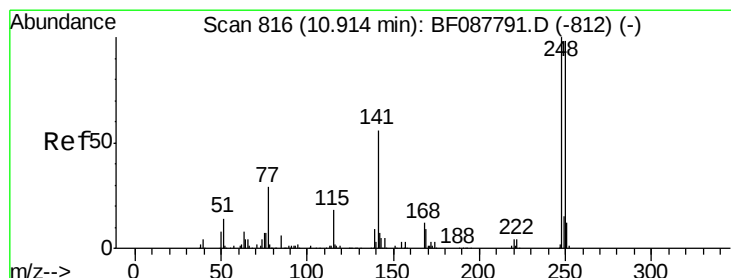
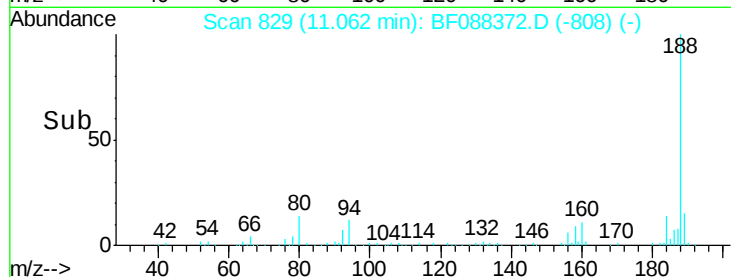
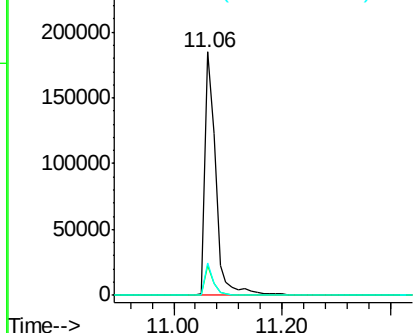
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Instrument :
BNA_F
ClientSampleId :
08-B2(0-2)C

Tgt Ion:188 Resp: 253452
Ion Ratio Lower Upper
188 100
94 12.5 9.0 13.6
80 13.5 10.0 15.0

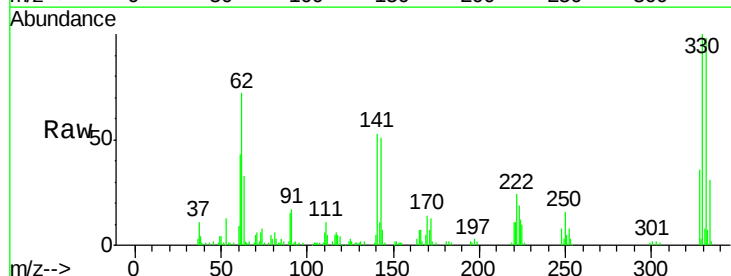


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

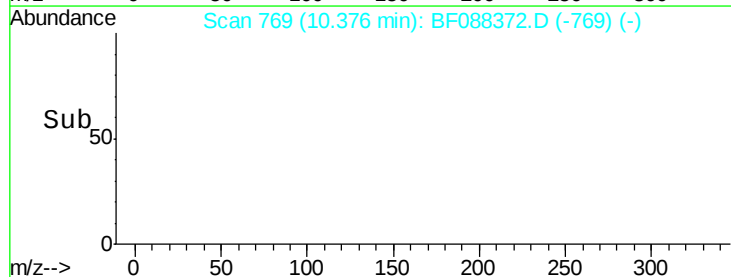
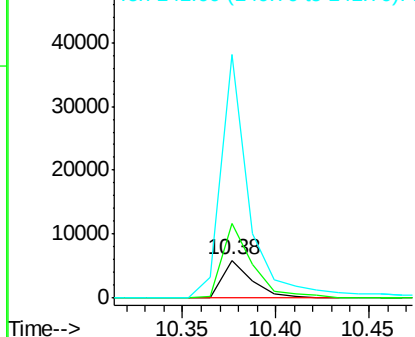


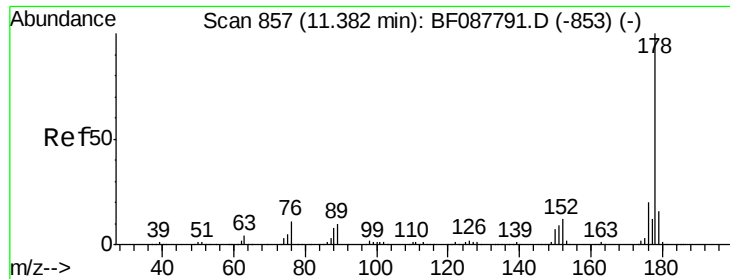
#66
4-Bromophenyl-phenylether
Concen: 2.43 ng
RT: 10.38 min Scan# 769
Delta R.T. -0.30 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Tgt Ion:248 Resp: 6599
Ion Ratio Lower Upper
248 100
250 197.2 77.1 115.7#
141 638.9 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

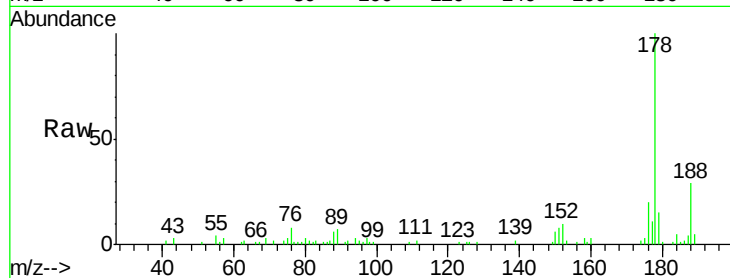




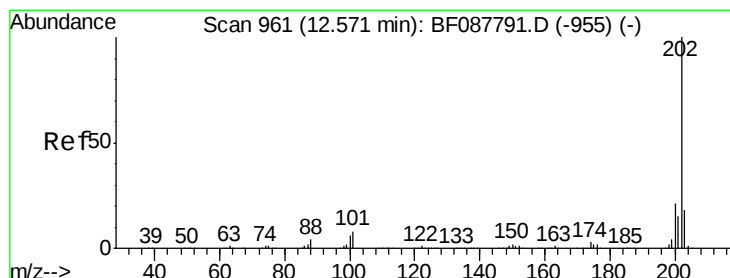
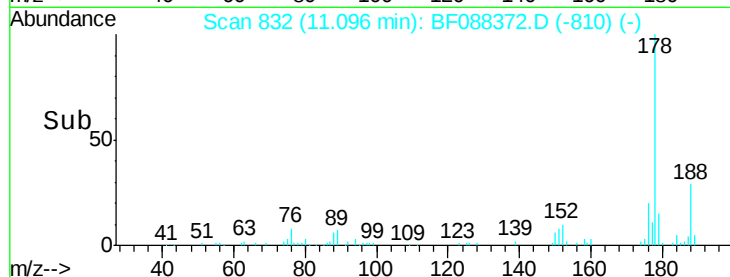
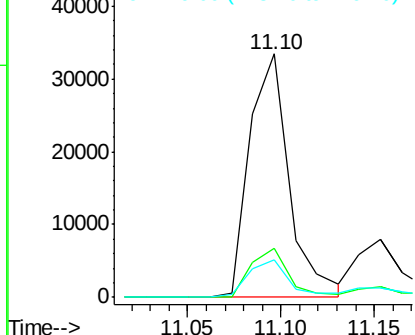
#70
Phenanthrene
Concen: 3.72 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.05 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Instrument :
BNA_F
ClientSampleId :
08-B2(0-2)C

Tgt Ion:178 Resp: 49421
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.6
179 15.4 13.0 19.4

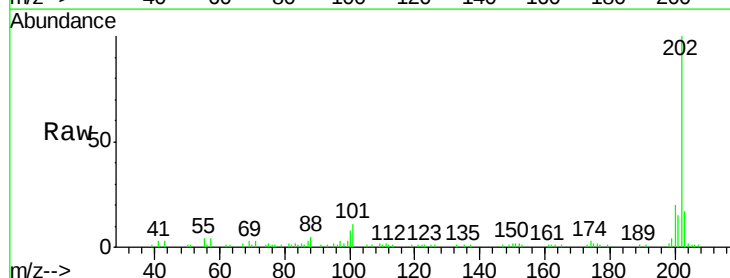


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

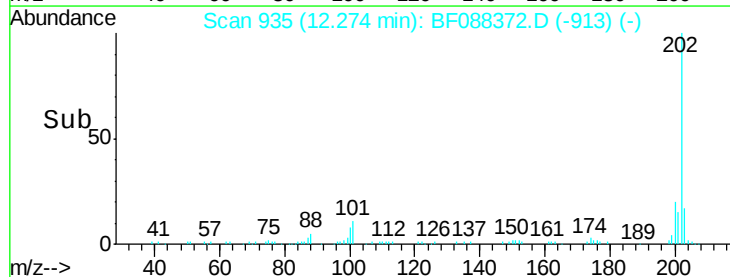
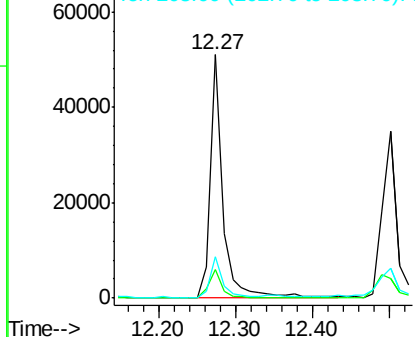


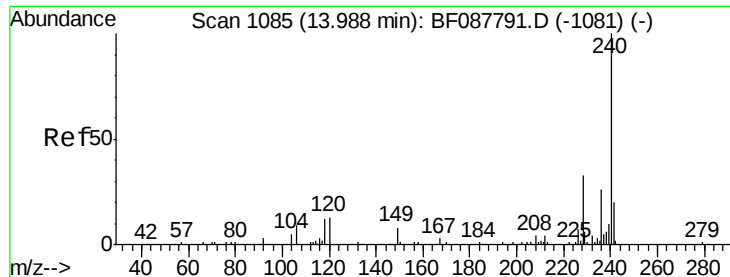
#74
Fluoranthene
Concen: 4.14 ng
RT: 12.27 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Tgt Ion:202 Resp: 58160
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.1
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

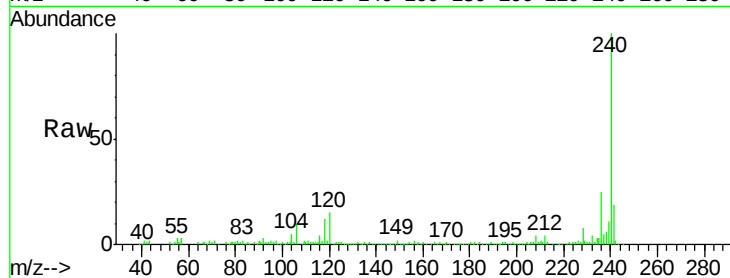
Tgt Ion:240 Resp: 159826

Ion Ratio Lower Upper

240 100

120 14.6 6.8 10.2#

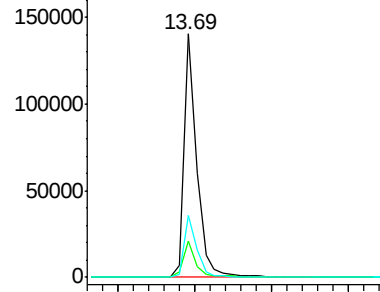
236 25.3 20.2 30.2



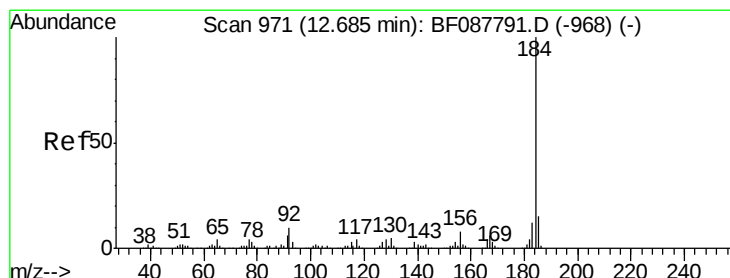
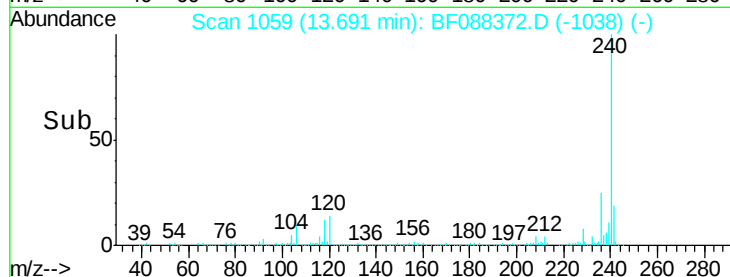
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 2.04 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.19 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

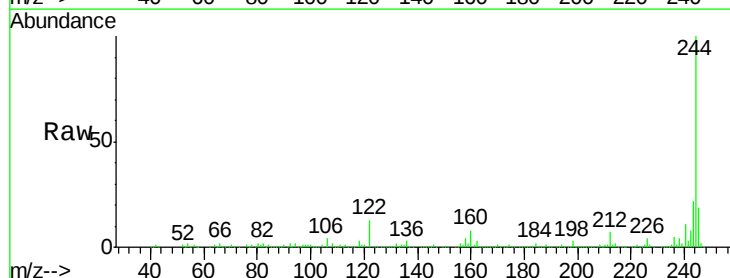
Tgt Ion:184 Resp: 9046

Ion Ratio Lower Upper

184 100

185 19.3 12.5 18.7#

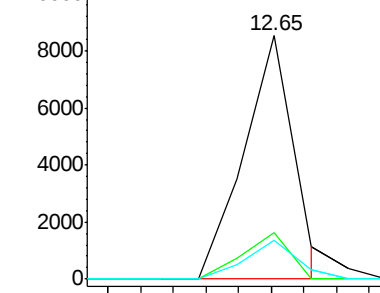
183 16.1 9.3 13.9#



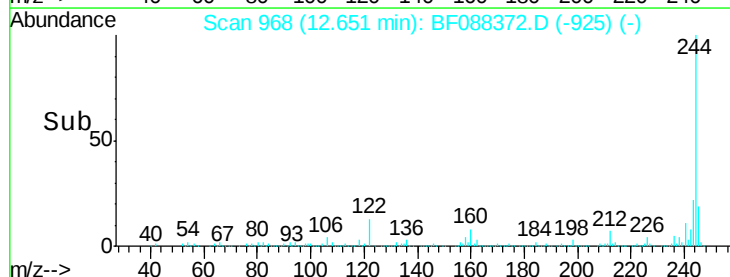
Abundance Ion 184.00 (183.70 to 184.70): E

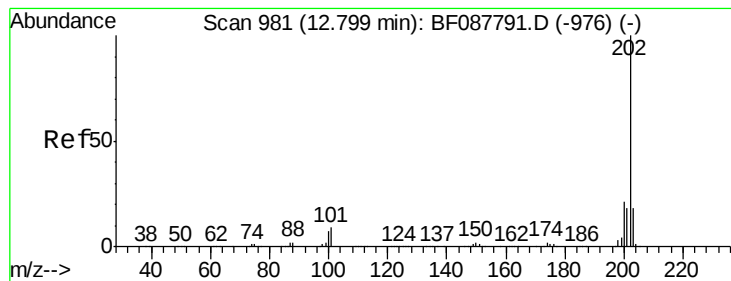
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->





#77

Pyrene

Concen: 4.02 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.05 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

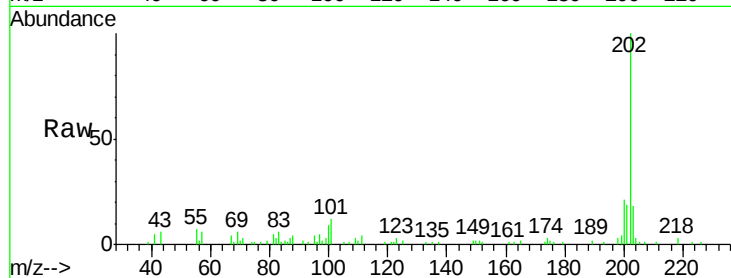
Tgt Ion:202 Resp: 47632

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

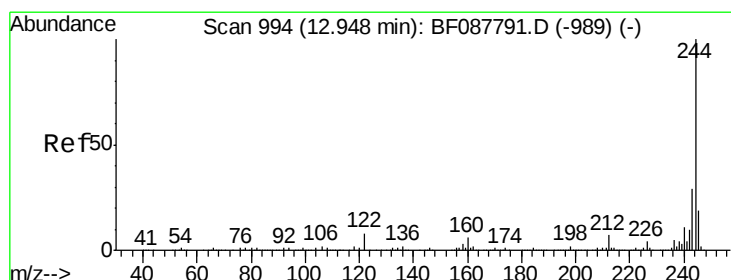
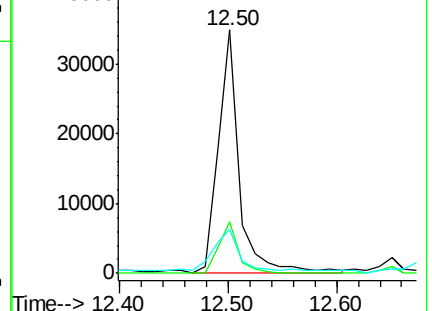
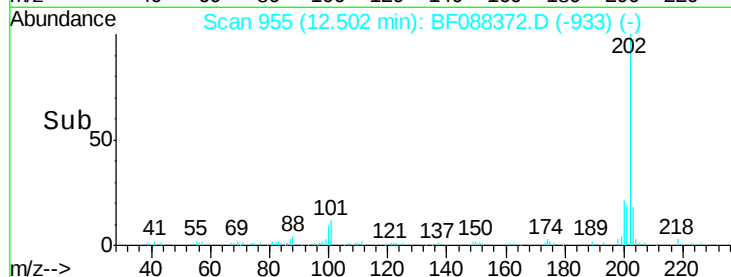
203 18.1 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 86.83 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.05 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

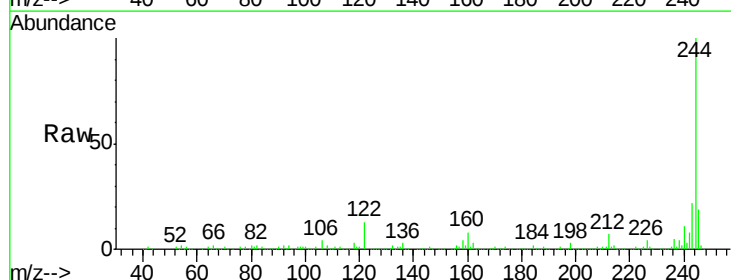
Tgt Ion:244 Resp: 609881

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

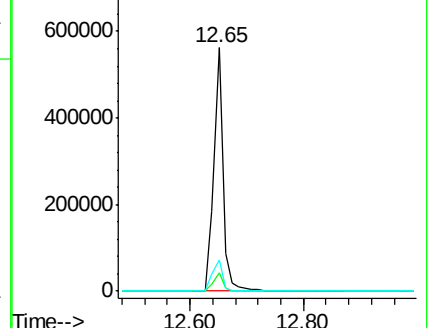
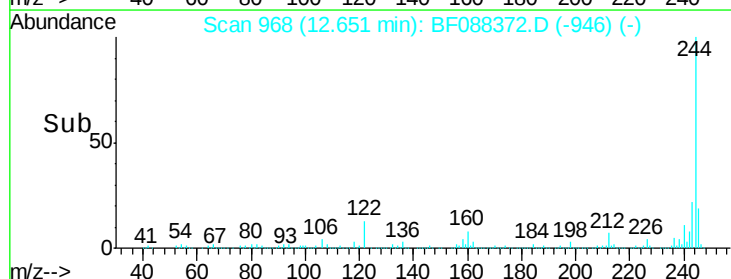
122 12.6 11.2 16.8

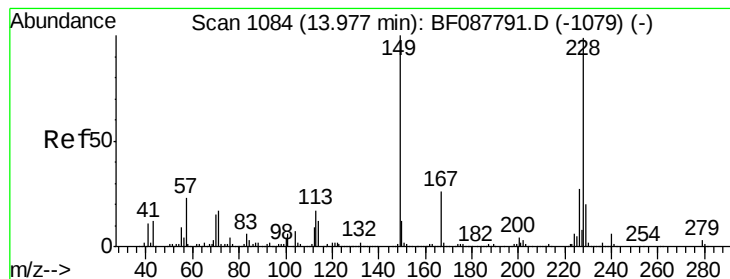


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.42 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.06 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

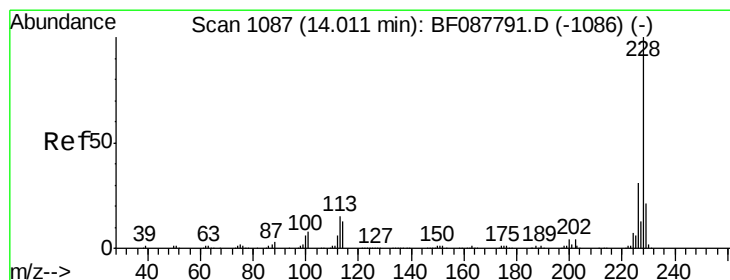
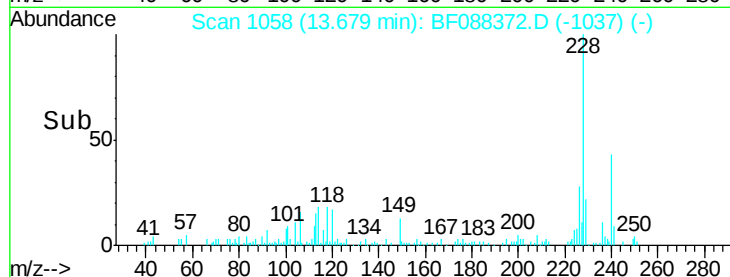
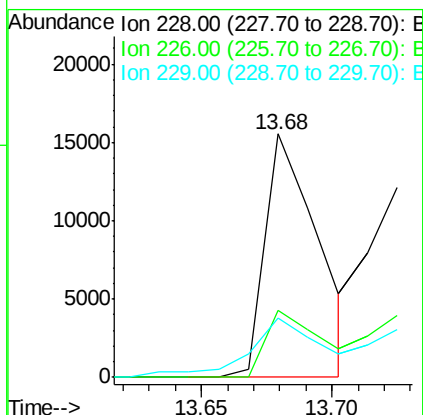
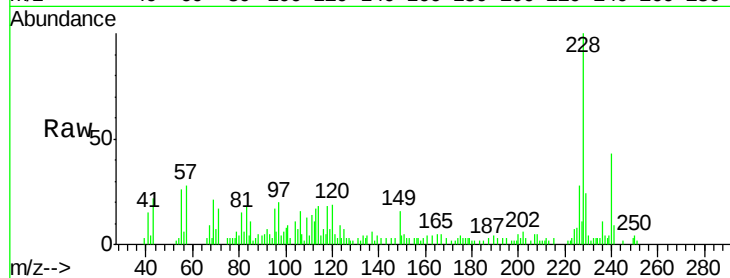
Instrument :

BNA_F

ClientSampleId :

08-B2(0-2)C

Tgt Ion:	228	Resp:	22067
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.3	33.5
229	24.4	16.0	24.0#



#82

Chrysene

Concen: 2.58 ng

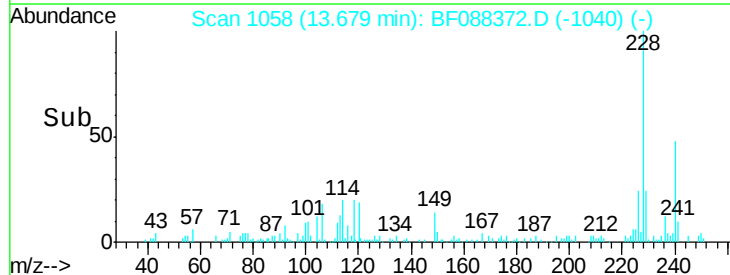
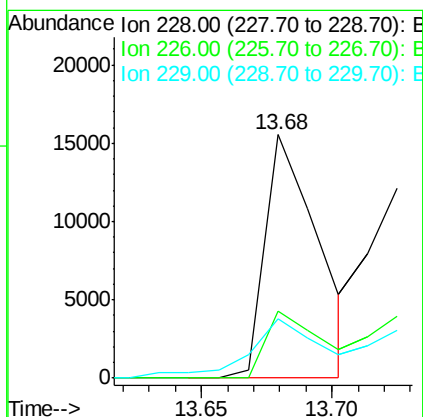
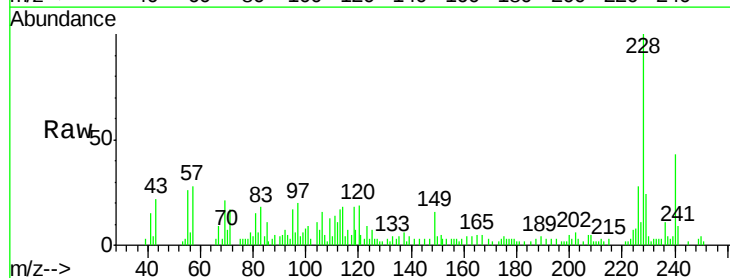
RT: 13.68 min Scan# 1058

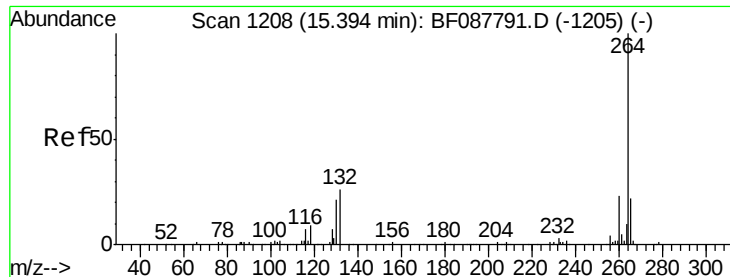
Delta R.T. -0.09 min

Lab File: BF088372.D

Acq: 25 Jun 2016 12:53

Tgt Ion:	228	Resp:	22067
Ion	Ratio	Lower	Upper
228	100		
226	27.6	25.4	38.2
229	24.4	16.3	24.5

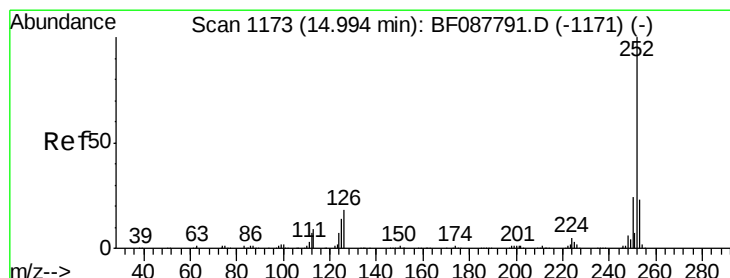
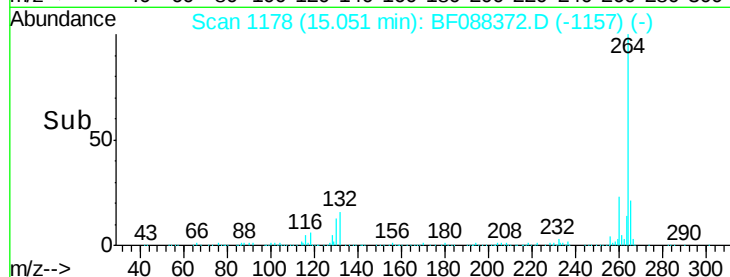
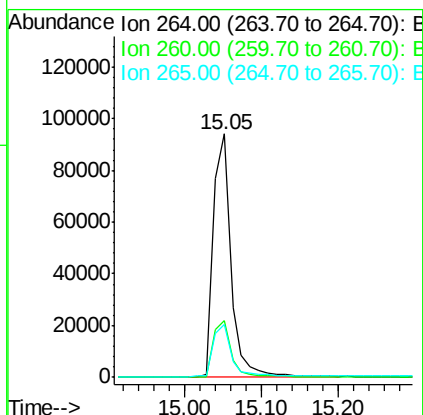
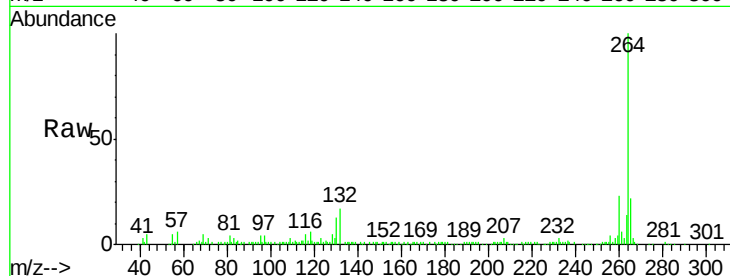




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

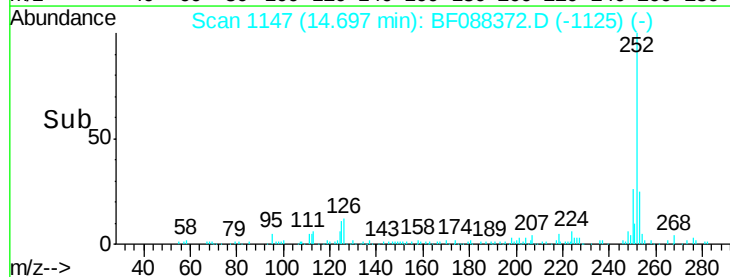
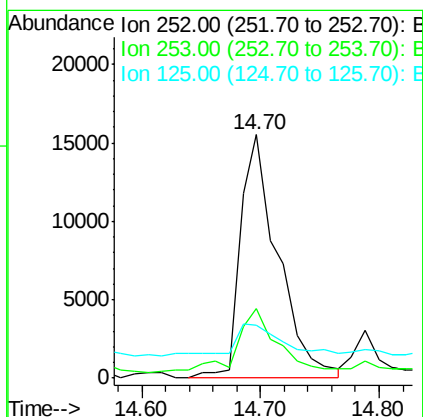
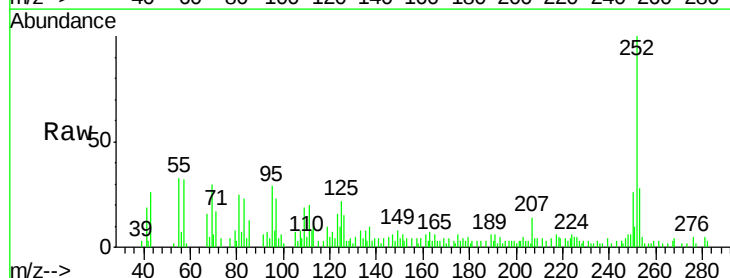
Instrument :
BNA_F
ClientSampleId :
08-B2(0-2)C

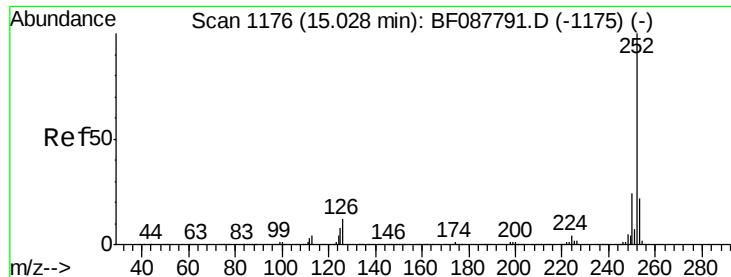
Tgt Ion:264 Resp: 152004
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.7 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 3.22 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Tgt Ion:252 Resp: 34164
Ion Ratio Lower Upper
252 100
253 28.4 17.4 26.2#
125 21.7 7.1 10.7#

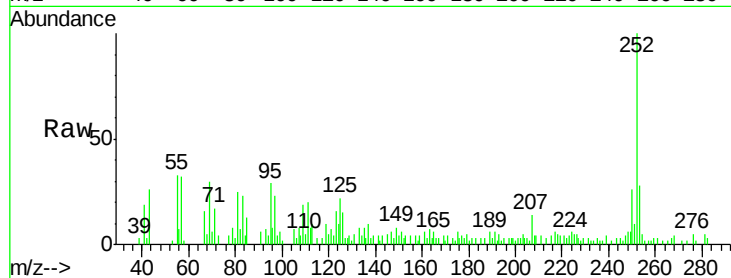




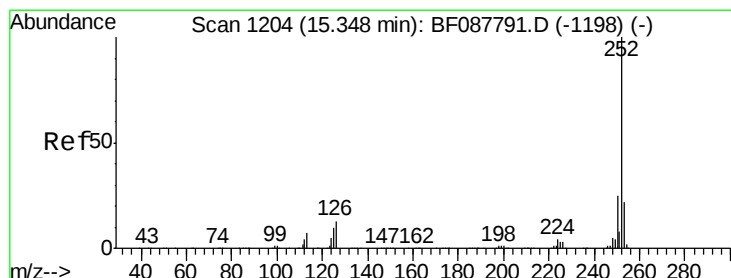
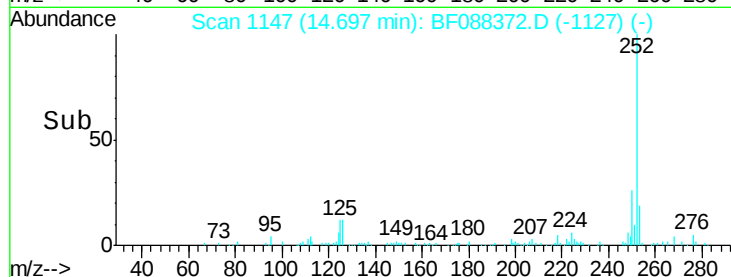
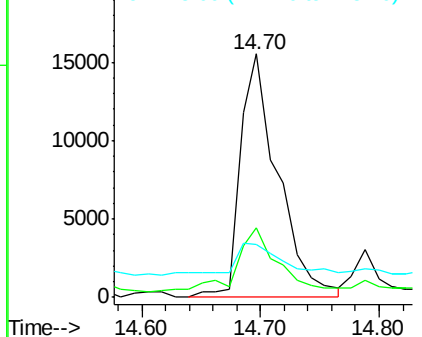
#88
Benzo(k)fluoranthene
Concen: 4.27 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.07 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Instrument :
BNA_F
ClientSampleId :
08-B2(0-2)C

Tgt Ion:252 Resp: 34164
Ion Ratio Lower Upper
252 100
253 28.4 18.0 27.0#
125 21.7 11.2 16.8#

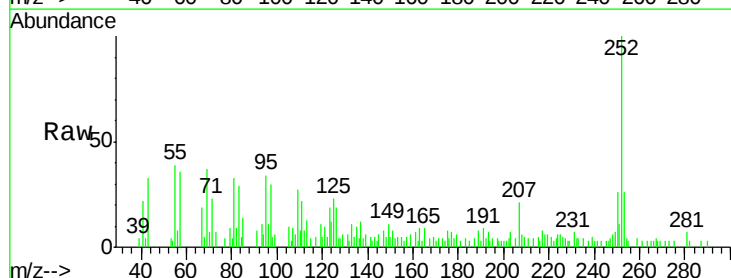


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.02 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.05 min
Lab File: BF088372.D
Acq: 25 Jun 2016 12:53

Tgt Ion:252 Resp: 17350
Ion Ratio Lower Upper
252 100
253 25.7 17.9 26.9
125 22.7 12.5 18.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

