

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062716\
 Data File : BF088459.D
 Acq On : 27 Jun 2016 18:58
 Operator : UM/SJ
 Sample : H3747-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

Quant Time: Jun 28 04:52:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 19:14:18 2016
 Response via : Initial Calibration

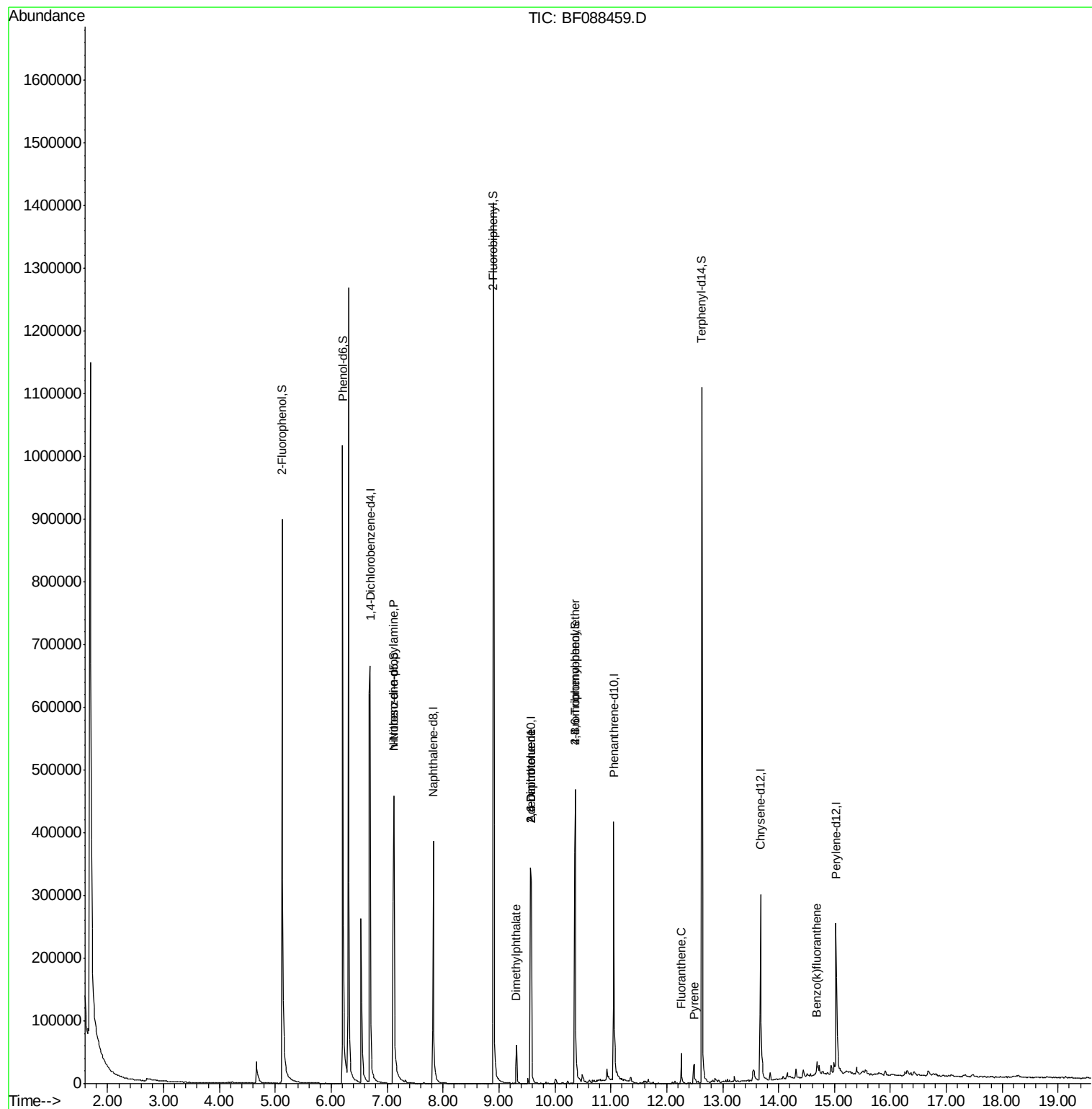
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	183436	20.00	ng	0.15
21) Naphthalene-d8	7.83	136	253266	20.00	ng	-0.01
38) Acenaphthene-d10	9.56	164	112197	20.00	ng	-0.02
63) Phenanthrene-d10	11.05	188	199875	20.00	ng	-0.01
75) Chrysene-d12	13.68	240	129167	20.00	ng	-0.01
86) Perylene-d12	15.03	264	130035	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	386807	36.05	ng	-0.01
7) Phenol-d6	6.20	99	468834	36.05	ng	-0.03
23) Nitrobenzene-d5	7.12	82	279865	64.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	93033	78.53	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	522677	72.36	ng	-0.02
78) Terphenyl-d14	12.63	244	383241	67.52	ng	-0.01
Target Compounds						
10) Phenol	6.31	94	796	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	35296	4.24 ng	#	67
45) 1,1'-Biphenyl	8.90	154	945	Below Cal	#	1
49) Dimethylphthalate	9.31	163	38241	4.71 ng		98
50) 2,6-Dinitrotoluene	9.56	165	13997	7.52 ng	#	37
56) 2,4-Dinitrotoluene	9.56	165	13997	5.85 ng	#	36
57) Fluorene	10.12	166	966	Below Cal	#	93
66) 4-Bromophenyl-phenylether	10.36	248	5576	2.60 ng	#	1
74) Fluoranthene	12.26	202	27078	2.45 ng		97
77) Pyrene	12.49	202	23228	2.42 ng		98
88) Benzo(k)fluoranthene	14.69	252	17878	2.61 ng		96

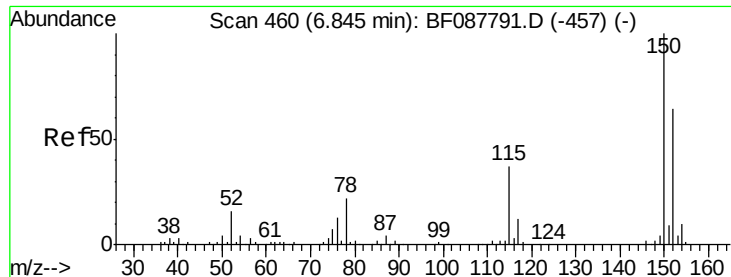
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. 0.15 min

Lab File: BF088459.D

Acq: 27 Jun 2016 18:58

Instrument :

BNA_F

ClientSampleId :

C9-B2(0-6)C

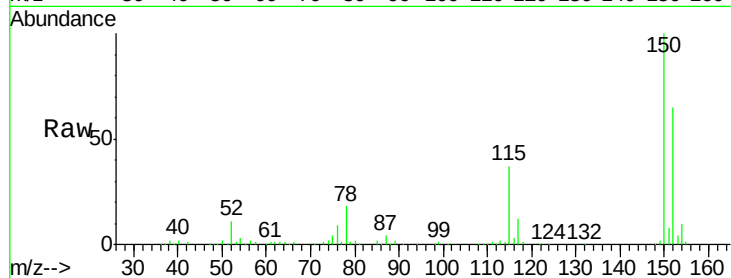
Tgt Ion:152 Resp: 183436

Ion Ratio Lower Upper

152 100

150 153.4 123.8 185.6

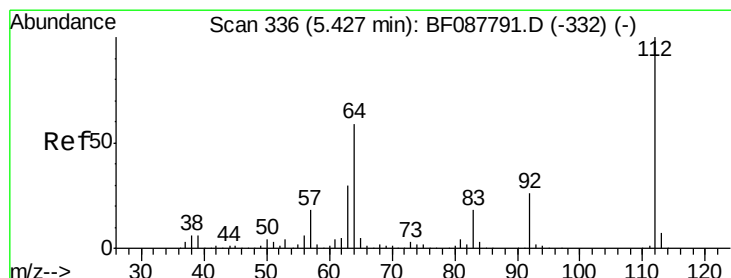
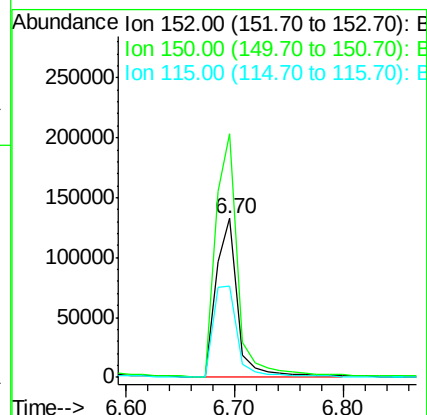
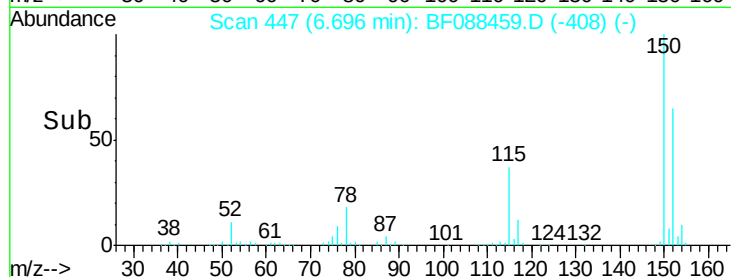
115 57.4 39.6 59.4



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: 36.05 ng

RT: 5.12 min Scan# 309

Delta R.T. -0.01 min

Lab File: BF088459.D

Acq: 27 Jun 2016 18:58

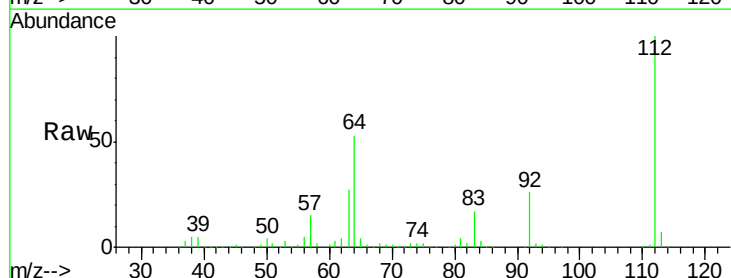
Tgt Ion:112 Resp: 386807

Ion Ratio Lower Upper

112 100

64 53.1 42.2 63.2

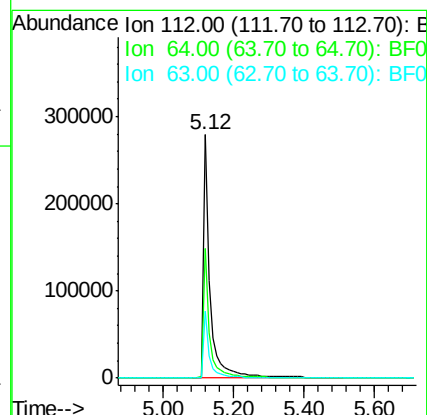
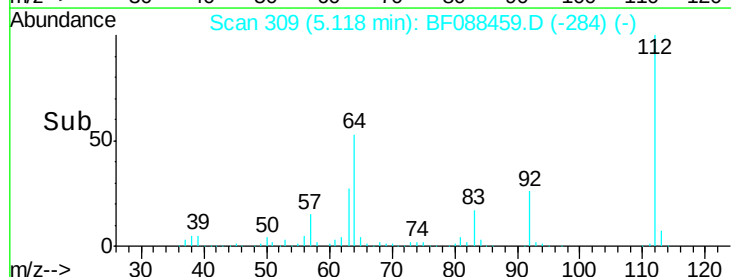
63 27.4 21.8 32.8

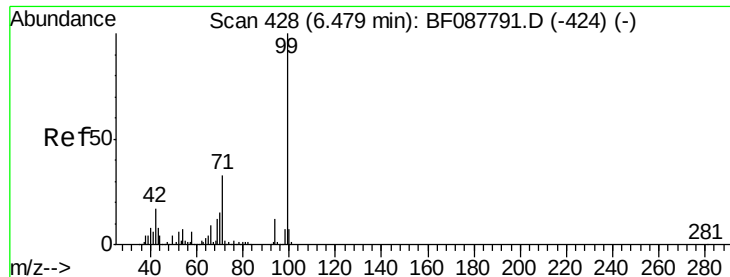


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.05 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF088459.D

Acq: 27 Jun 2016 18:58

Instrument :

BNA_F

ClientSampleId :

C9-B2(0-6)C

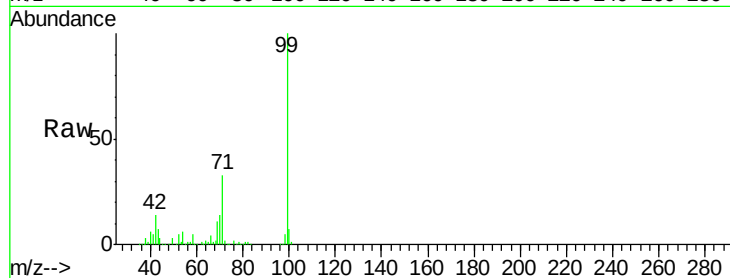
Tgt Ion: 99 Resp: 468834

Ion Ratio Lower Upper

99 100

42 14.4 12.2 18.2

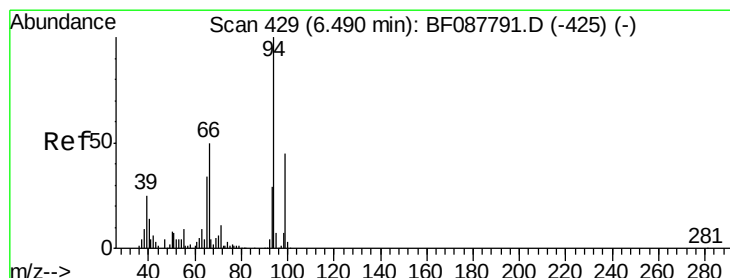
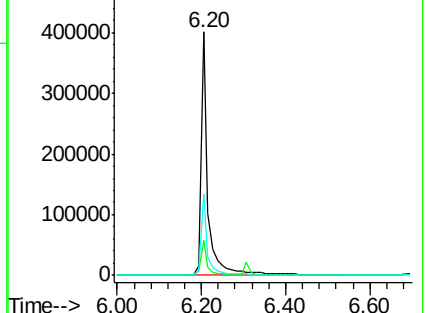
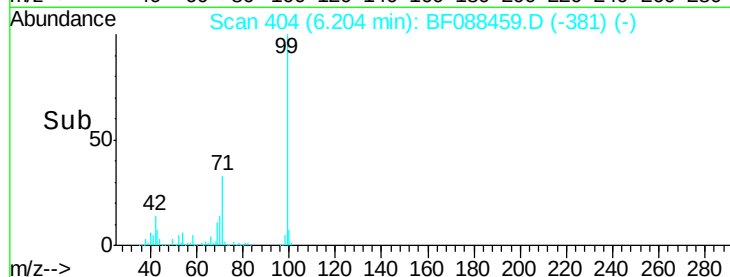
71 33.3 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.31 min Scan# 413

Delta R.T. 0.06 min

Lab File: BF088459.D

Acq: 27 Jun 2016 18:58

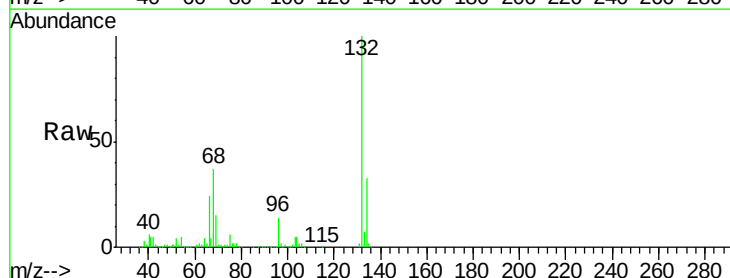
Tgt Ion: 94 Resp: 796

Ion Ratio Lower Upper

94 100

65 855.7 5.9 45.9#

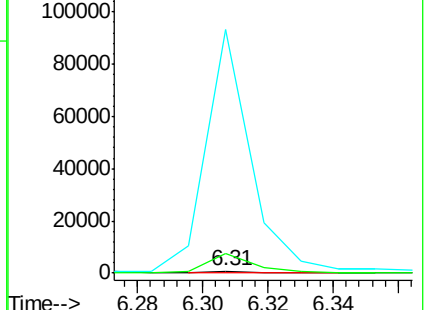
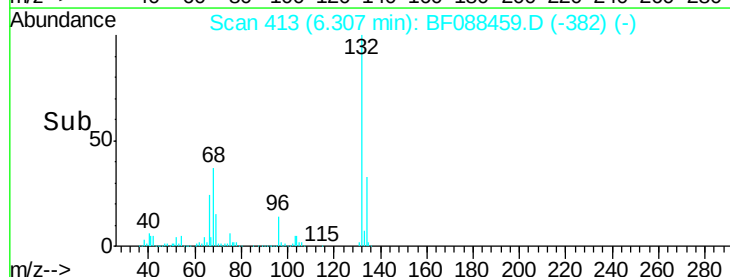
66 10886.0 14.0 54.0#

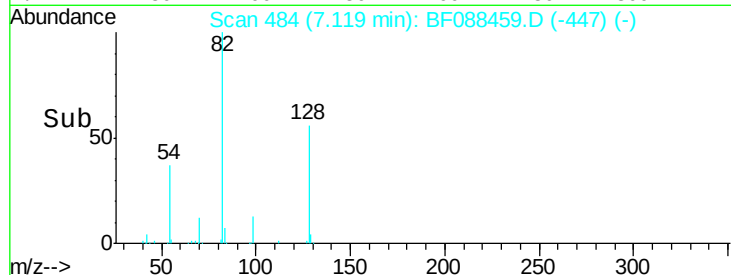
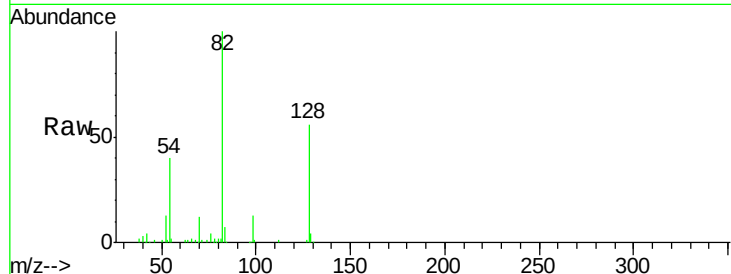
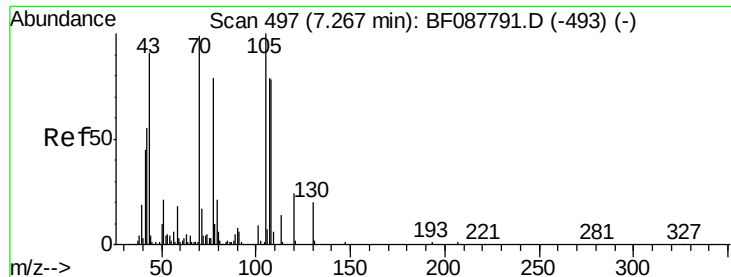


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

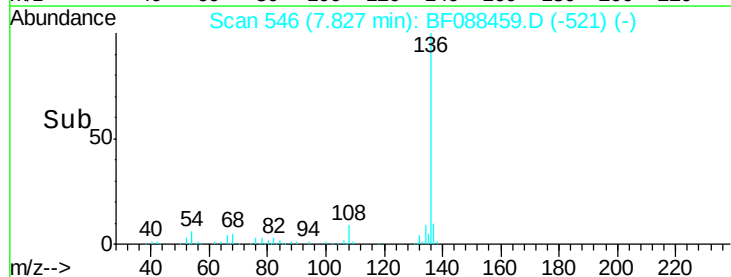
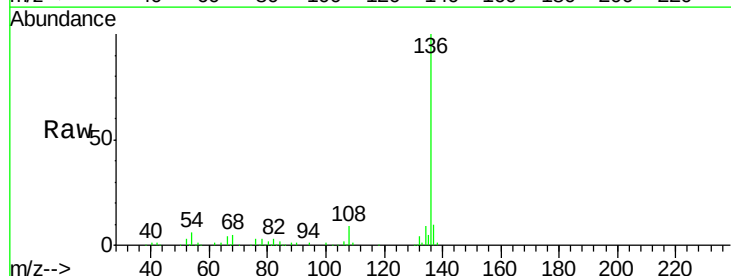
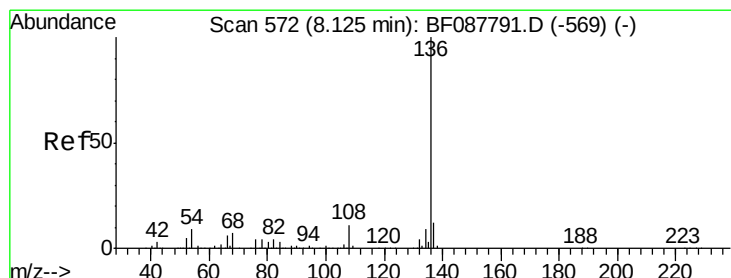
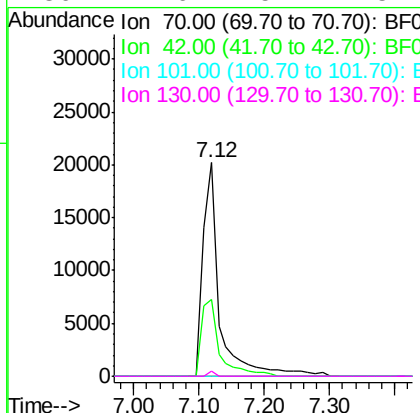




#19
n-Nitroso-di-n-propylamine
Concen: 4.24 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.13 min
Lab File: BF088459.D
Acq: 27 Jun 2016 18:58

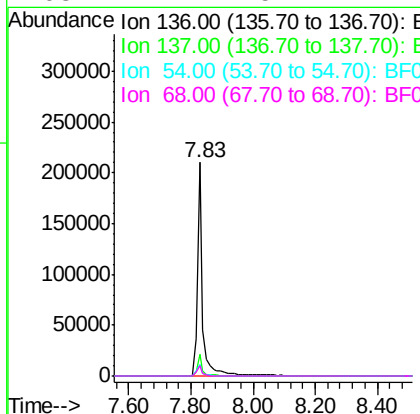
Instrument :
BNA_F
ClientSampleId :
C9-B2(0-6)C

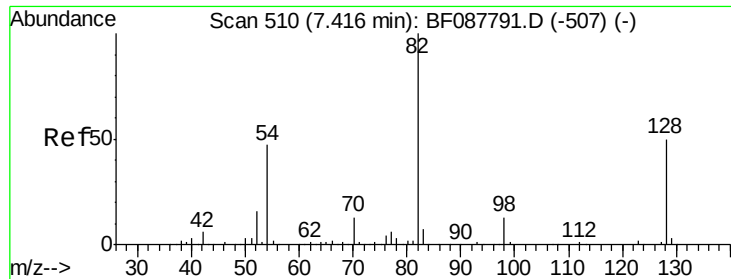
Tgt Ion:	70	Resp:	35296
Ion	Ratio	Lower	Upper
70	100		
42	36.1	49.6	74.4#
101	0.0	7.1	10.7#
130	2.6	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF088459.D
Acq: 27 Jun 2016 18:58

Tgt Ion:	136	Resp:	253266
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	5.5	6.6	10.0#
68	4.7	5.1	7.7#

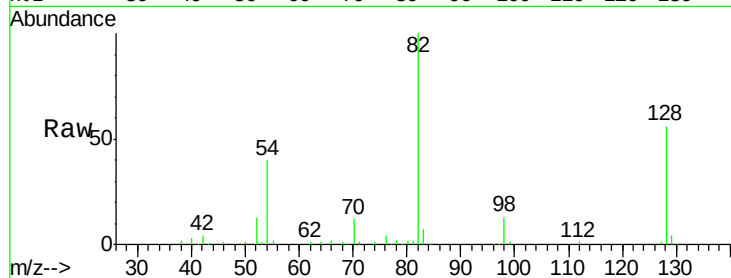




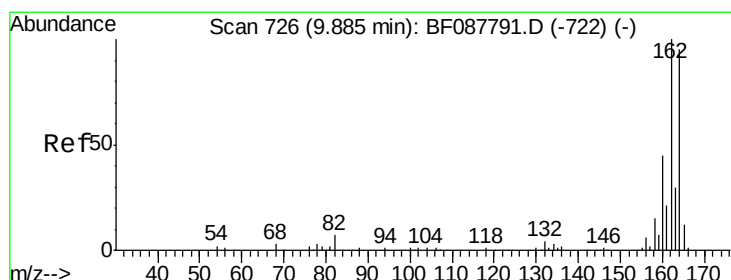
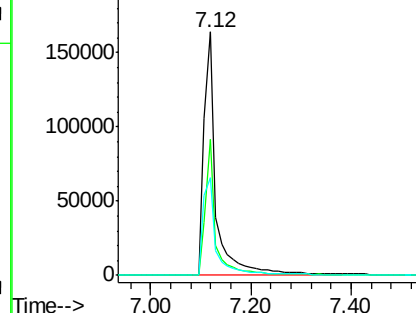
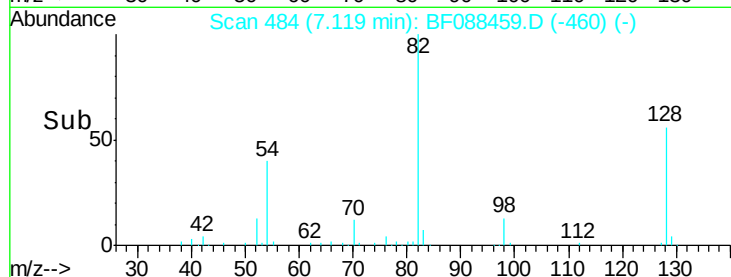
#23
 Nitrobenzene-d5
 Concen: 64.53 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.02 min
 Lab File: BF088459.D
 Acq: 27 Jun 2016 18:58

Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

Tgt Ion: 82 Resp: 279865
 Ion Ratio Lower Upper
 82 100
 128 56.0 35.9 53.9#
 54 40.3 40.9 61.3#

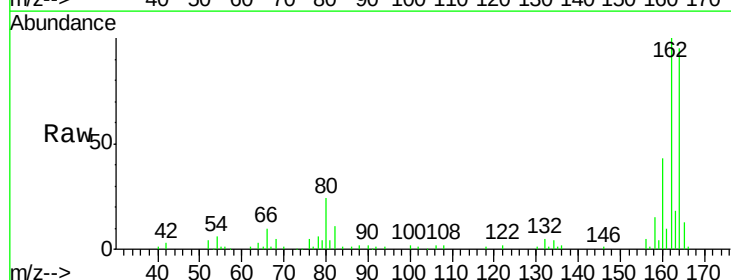


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

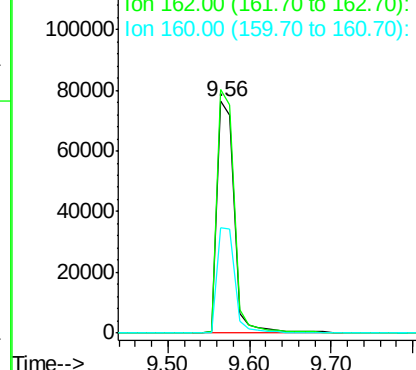
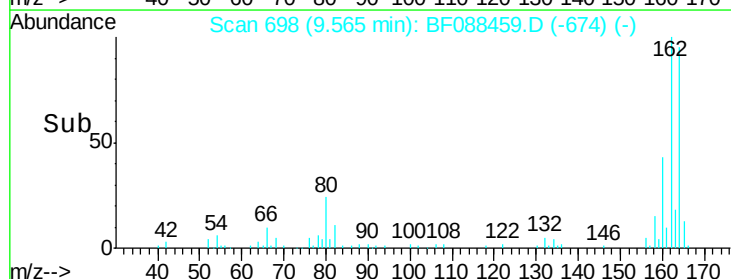


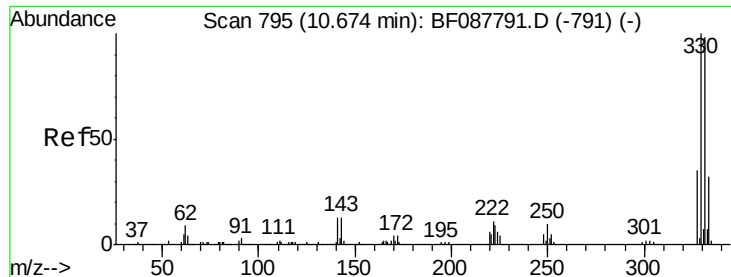
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: BF088459.D
 Acq: 27 Jun 2016 18:58

Tgt Ion: 164 Resp: 112197
 Ion Ratio Lower Upper
 164 100
 162 105.2 85.4 128.2
 160 45.7 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

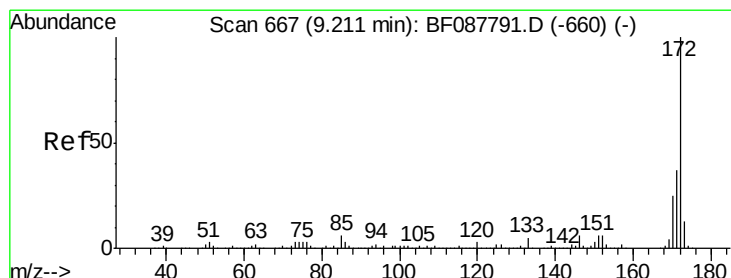
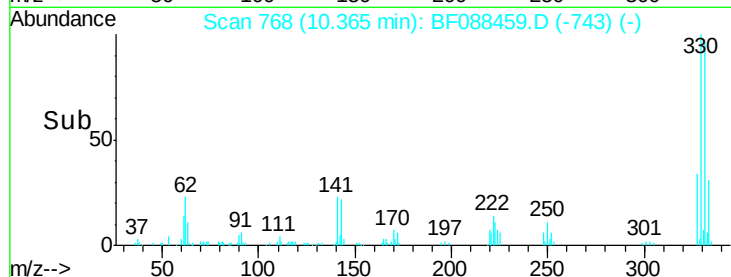
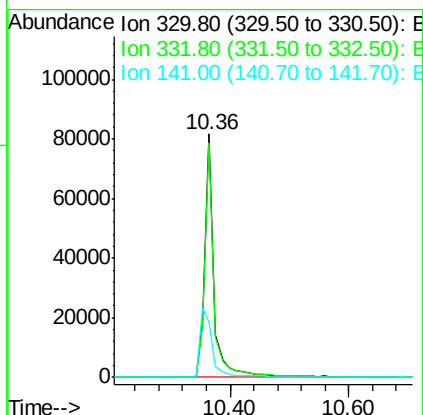
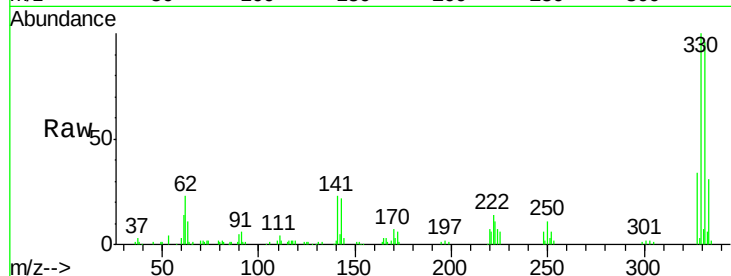




#41
 2,4,6-Tribromophenol
 Concen: 78.53 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF088459.D
 Acq: 27 Jun 2016 18:58

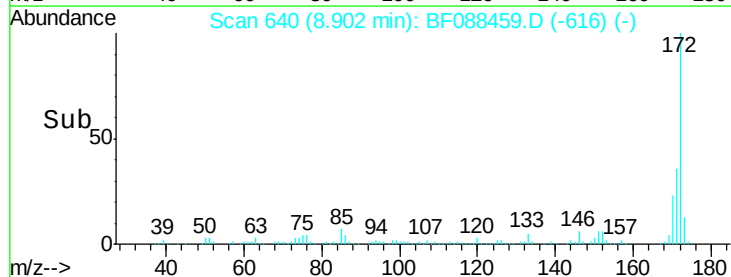
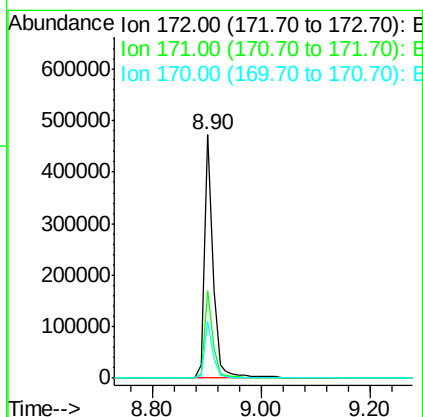
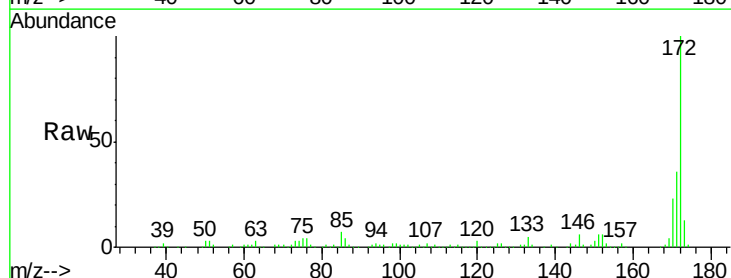
Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

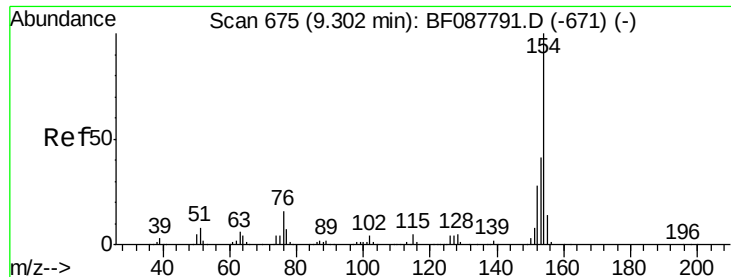
Tgt Ion:330 Resp: 93033
 Ion Ratio Lower Upper
 330 100
 332 95.6 0.0 0.0#
 141 38.4 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 72.36 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF088459.D
 Acq: 27 Jun 2016 18:58

Tgt Ion:172 Resp: 522677
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 23.4 19.2 28.8





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 8.90 min Scan# 640

Delta R.T. -0.11 min

Lab File: BF088459.D

Acq: 27 Jun 2016 18:58

Instrument :

BNA_F

ClientSampleId :

C9-B2(0-6)C

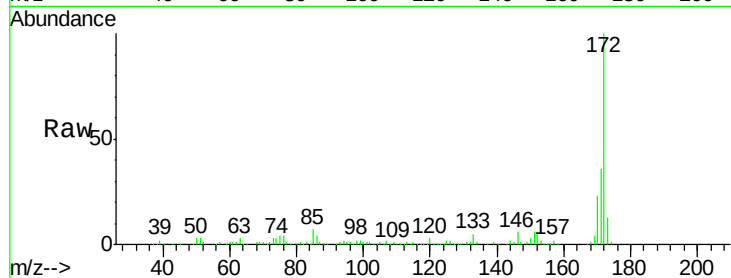
Tgt Ion:154 Resp: 945

Ion Ratio Lower Upper

154 100

153 853.1 20.6 60.6#

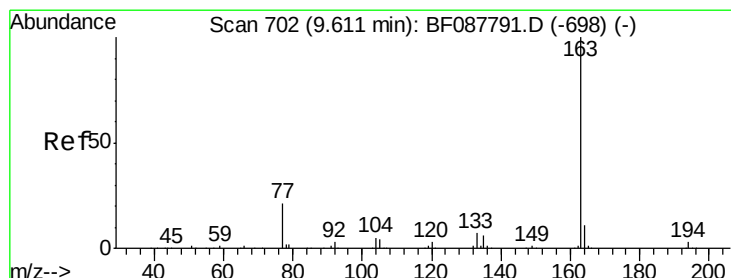
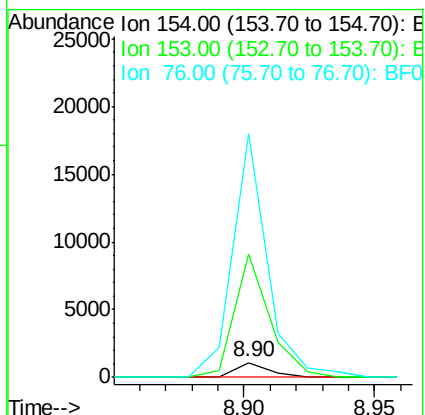
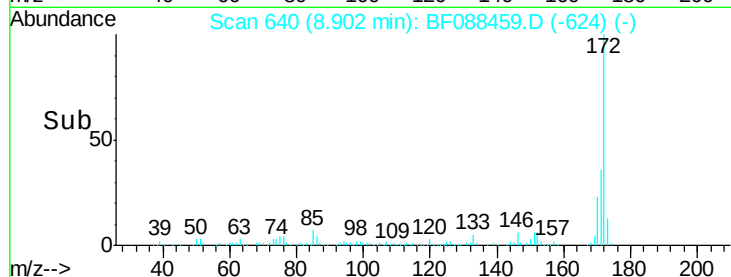
76 1681.6 0.0 35.1#



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: 4.71 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF088459.D

Acq: 27 Jun 2016 18:58

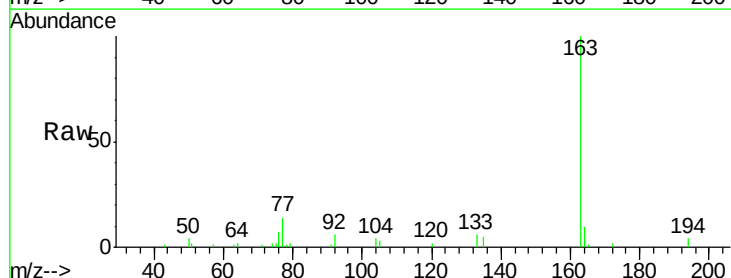
Tgt Ion:163 Resp: 38241

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

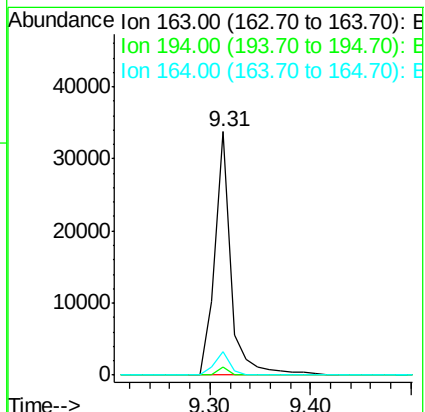
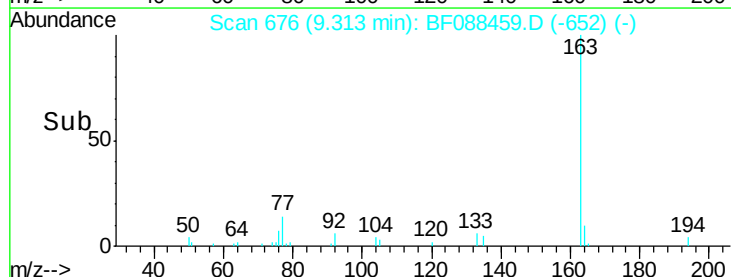
164 9.5 8.3 12.5

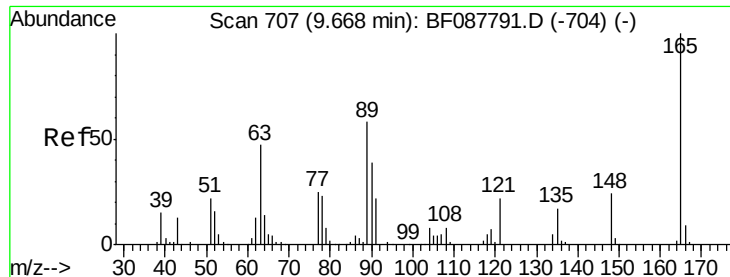


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

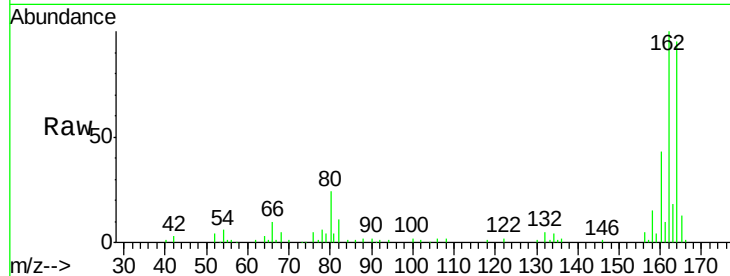




#50
 2,6-Dinitrotoluene
 Concen: 7.52 ng
 RT: 9.56 min Scan# 698
 Delta R.T. 0.16 min
 Lab File: BF088459.D
 Acq: 27 Jun 2016 18:58

Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

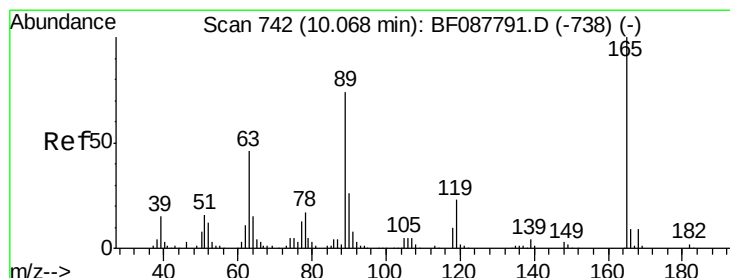
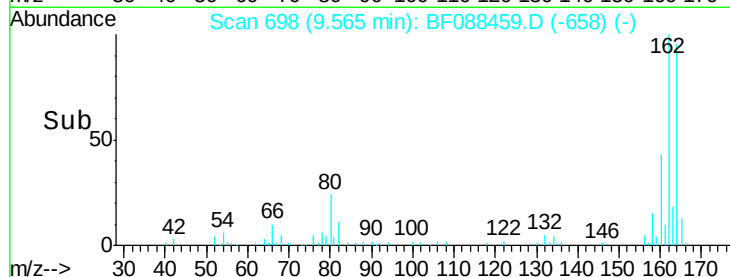
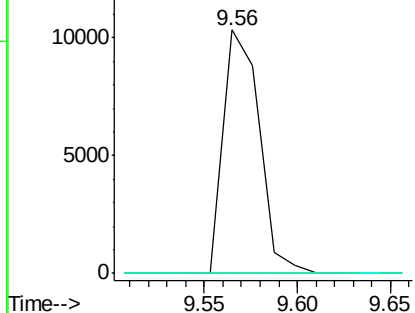
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

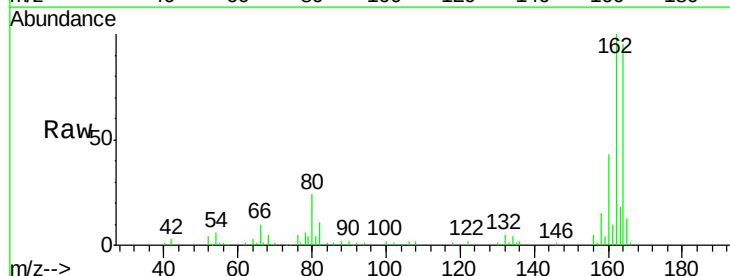
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 5.85 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.24 min
 Lab File: BF088459.D
 Acq: 27 Jun 2016 18:58

Tgt 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#

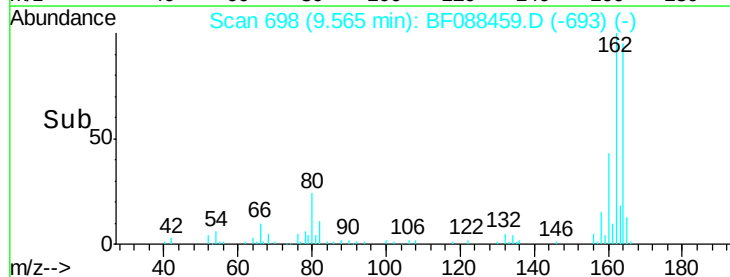
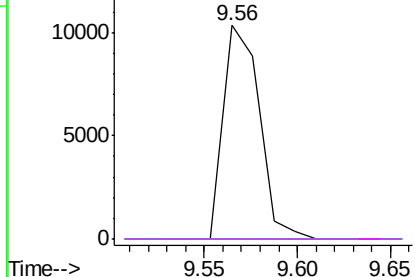


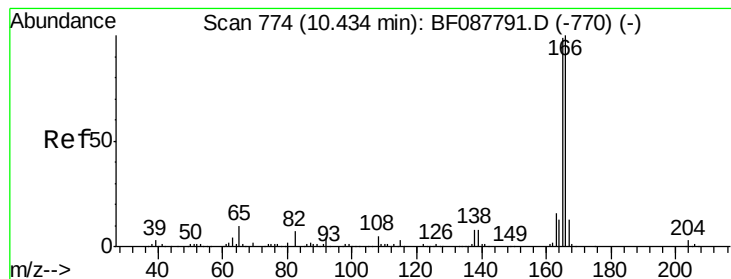
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.12 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF088459.D

Acq: 27 Jun 2016 18:58

Instrument :

BNA_F

ClientSampleId :

C9-B2(0-6)C

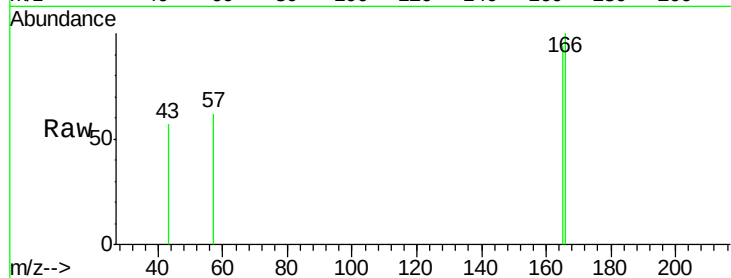
Tgt Ion:166 Resp: 966

Ion Ratio Lower Upper

166 100

165 94.4 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

10.12

600

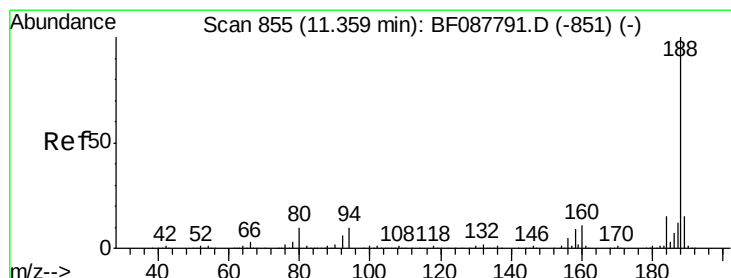
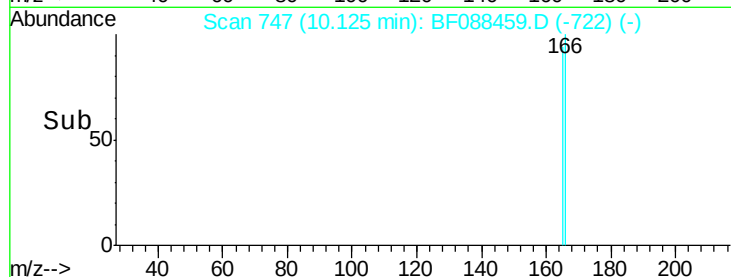
400

200

0

10.10 10.15

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF088459.D

Acq: 27 Jun 2016 18:58

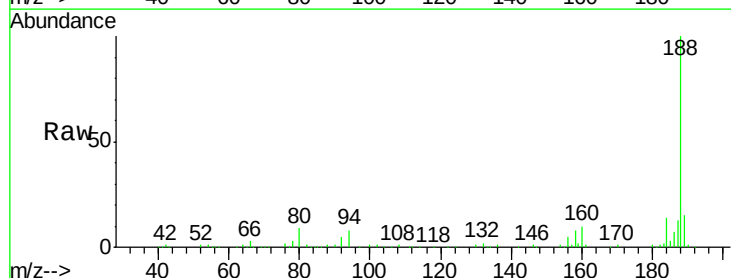
Tgt Ion:188 Resp: 199875

Ion Ratio Lower Upper

188 100

94 8.0 9.0 13.6#

80 8.6 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

11.05

200000

150000

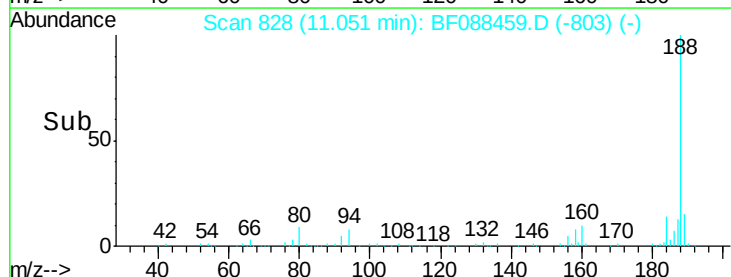
100000

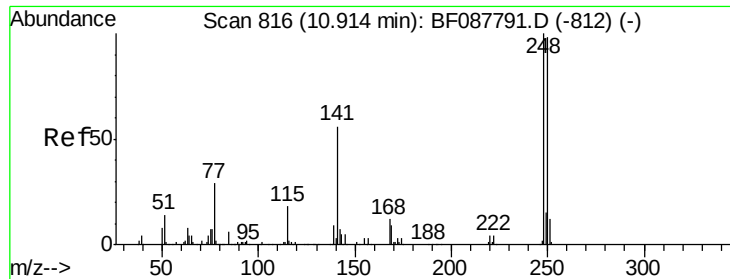
50000

0

11.00 11.20

Time-->

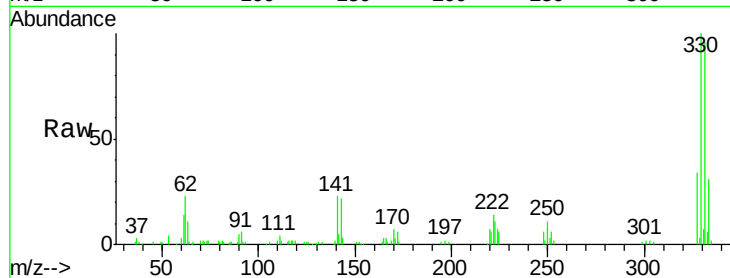




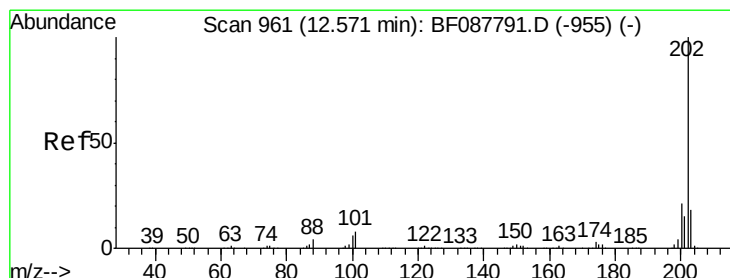
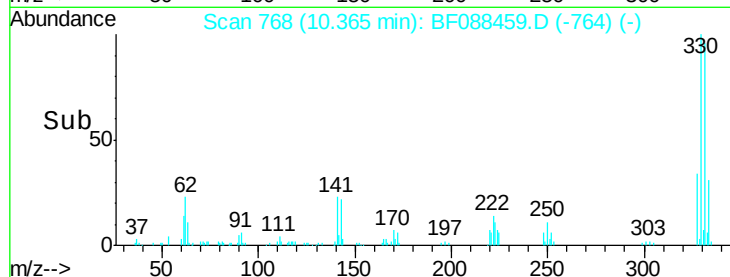
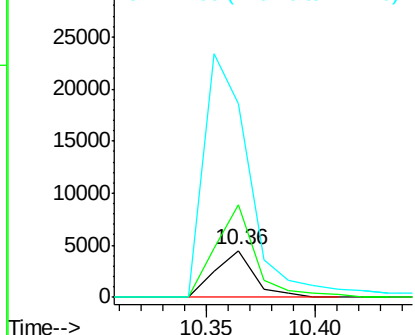
#66
 4-Bromophenyl-phenylether
 Concen: 2.60 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.25 min
 Lab File: BF088459.D
 Acq: 27 Jun 2016 18:58

Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

Tgt Ion: 248 Resp: 5576
 Ion Ratio Lower Upper
 248 100
 250 199.0 77.1 115.7#
 141 414.7 50.6 76.0#

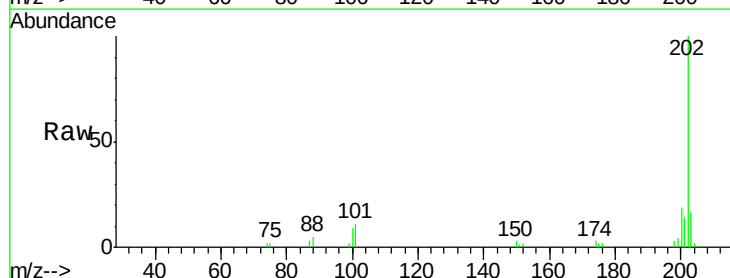


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

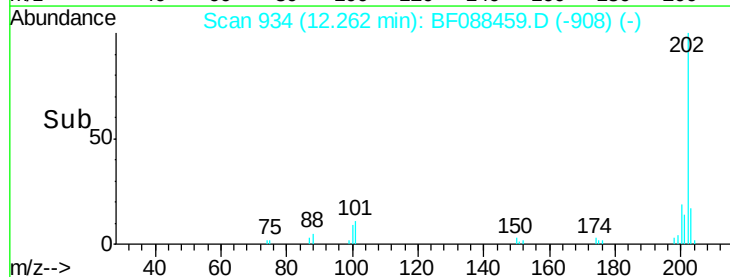
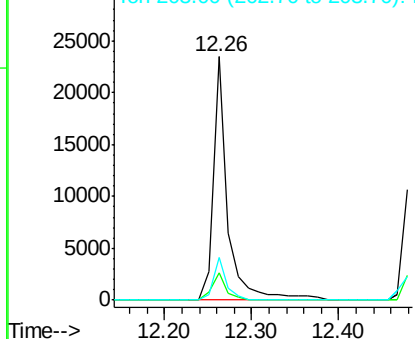


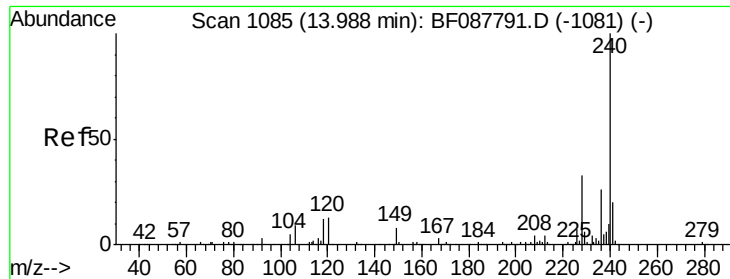
#74
 Fluoranthene
 Concen: 2.45 ng
 RT: 12.26 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: BF088459.D
 Acq: 27 Jun 2016 18:58

Tgt Ion: 202 Resp: 27078
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 33.1
 203 17.3 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: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF088459.D

Acq: 27 Jun 2016 18:58

Instrument :

BNA_F

ClientSampleId :

C9-B2(0-6)C

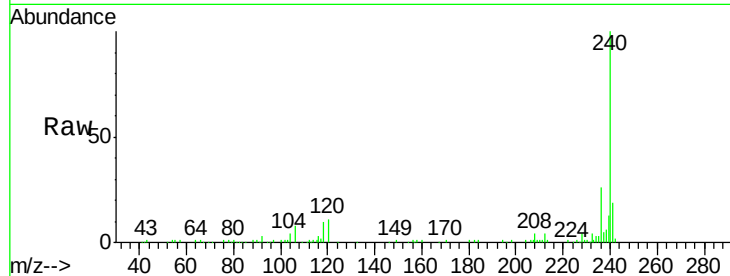
Tgt Ion:240 Resp: 129167

Ion Ratio Lower Upper

240 100

120 11.3 6.8 10.2#

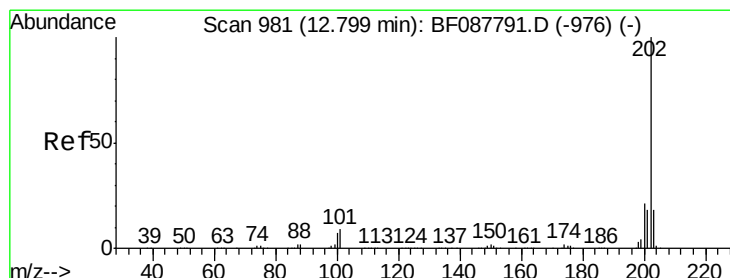
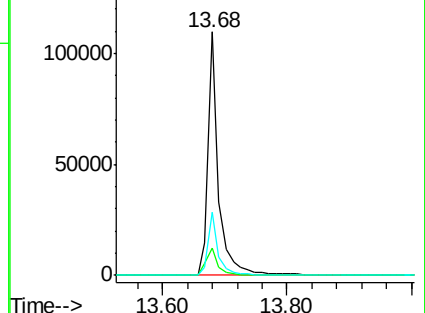
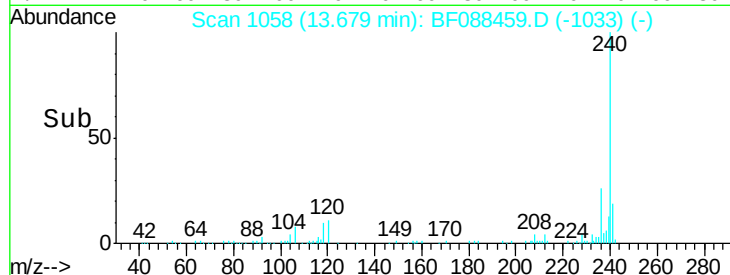
236 25.7 20.2 30.2



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



#77

Pyrene

Concen: 2.42 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF088459.D

Acq: 27 Jun 2016 18:58

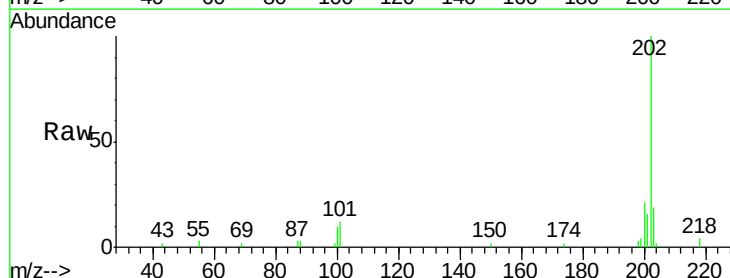
Tgt Ion:202 Resp: 23228

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

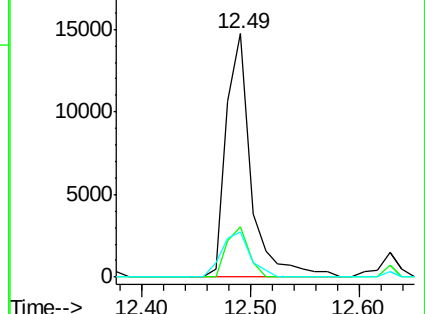
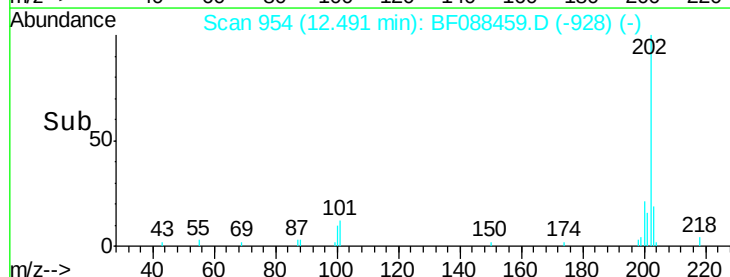
203 18.5 14.5 21.7

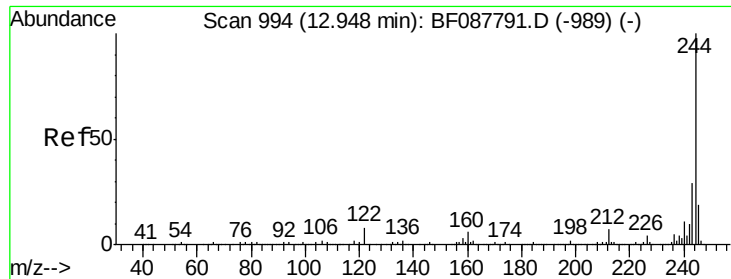


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

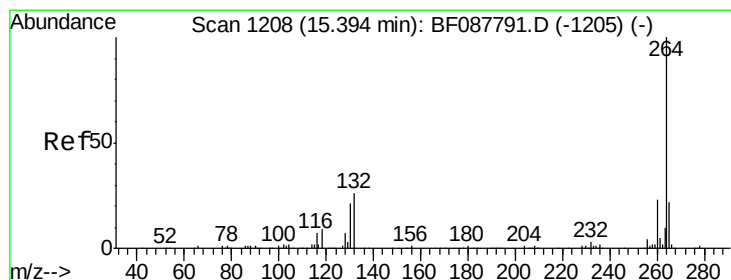
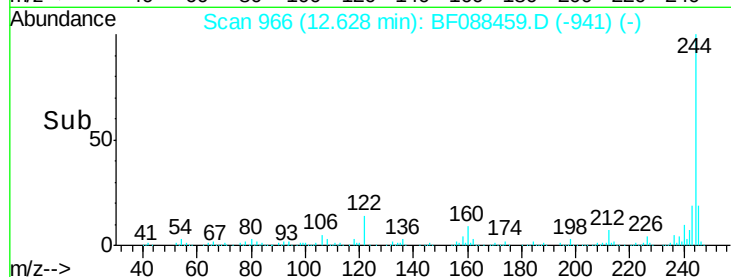
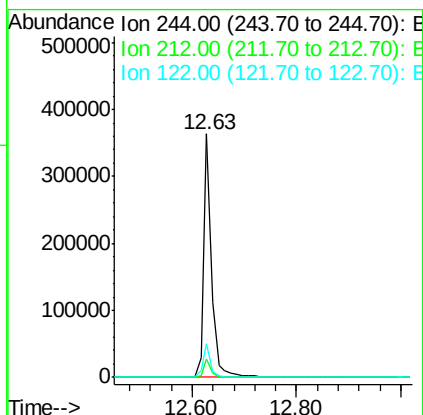
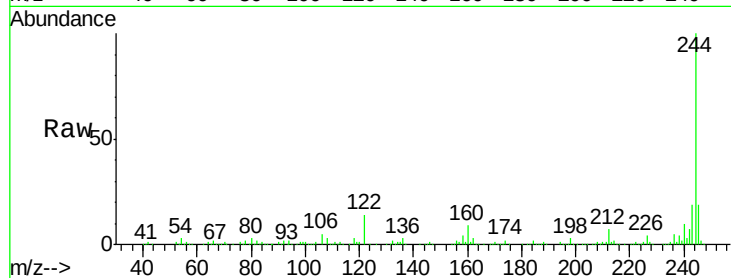




#78
 Terphenyl-d14
 Concen: 67.52 ng
 RT: 12.63 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: BF088459.D
 Acq: 27 Jun 2016 18:58

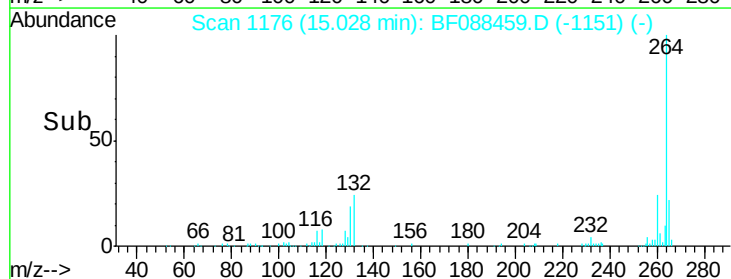
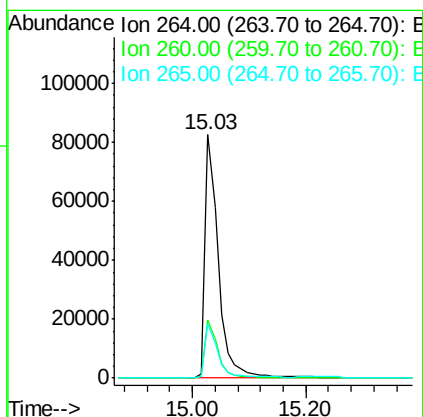
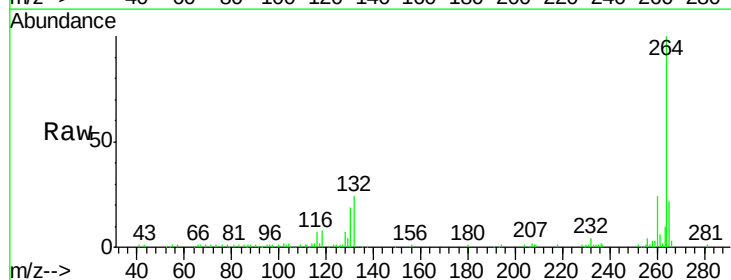
Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

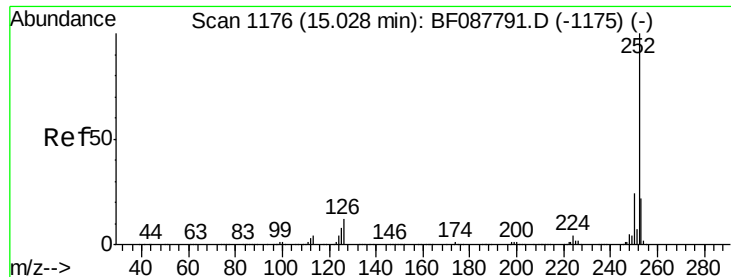
Tgt Ion:244 Resp: 383241
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 14.1 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF088459.D
 Acq: 27 Jun 2016 18:58

Tgt Ion:264 Resp: 130035
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.1 16.9 25.3





#88

Benzo(k)fluoranthene

Concen: 2.61 ng

RT: 14.69 min Scan# 1146

Delta R.T. -0.02 min

Lab File: BF088459.D

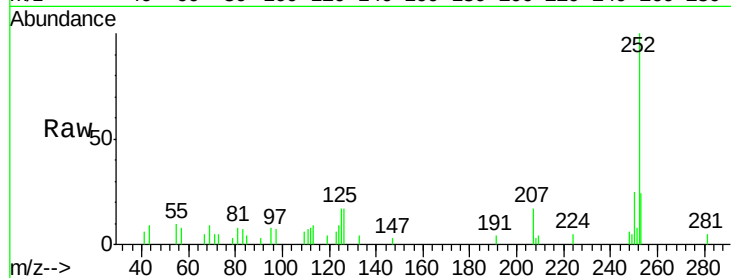
Acq: 27 Jun 2016 18:58

Instrument :

BNA_F

ClientSampleId :

C9-B2(0-6)C



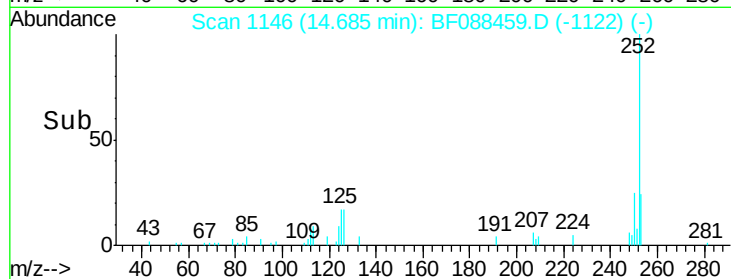
Tgt Ion: 252 Resp: 17878

Ion Ratio Lower Upper

252 100

253 24.0 18.0 27.0

125 16.6 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

