

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
 Data File : BF084375.D
 Acq On : 11 Jan 2016 13:06
 Operator : SJ/UM
 Sample : H1043-09RE 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5S(0-10)

Quant Time: Jan 12 01:38:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

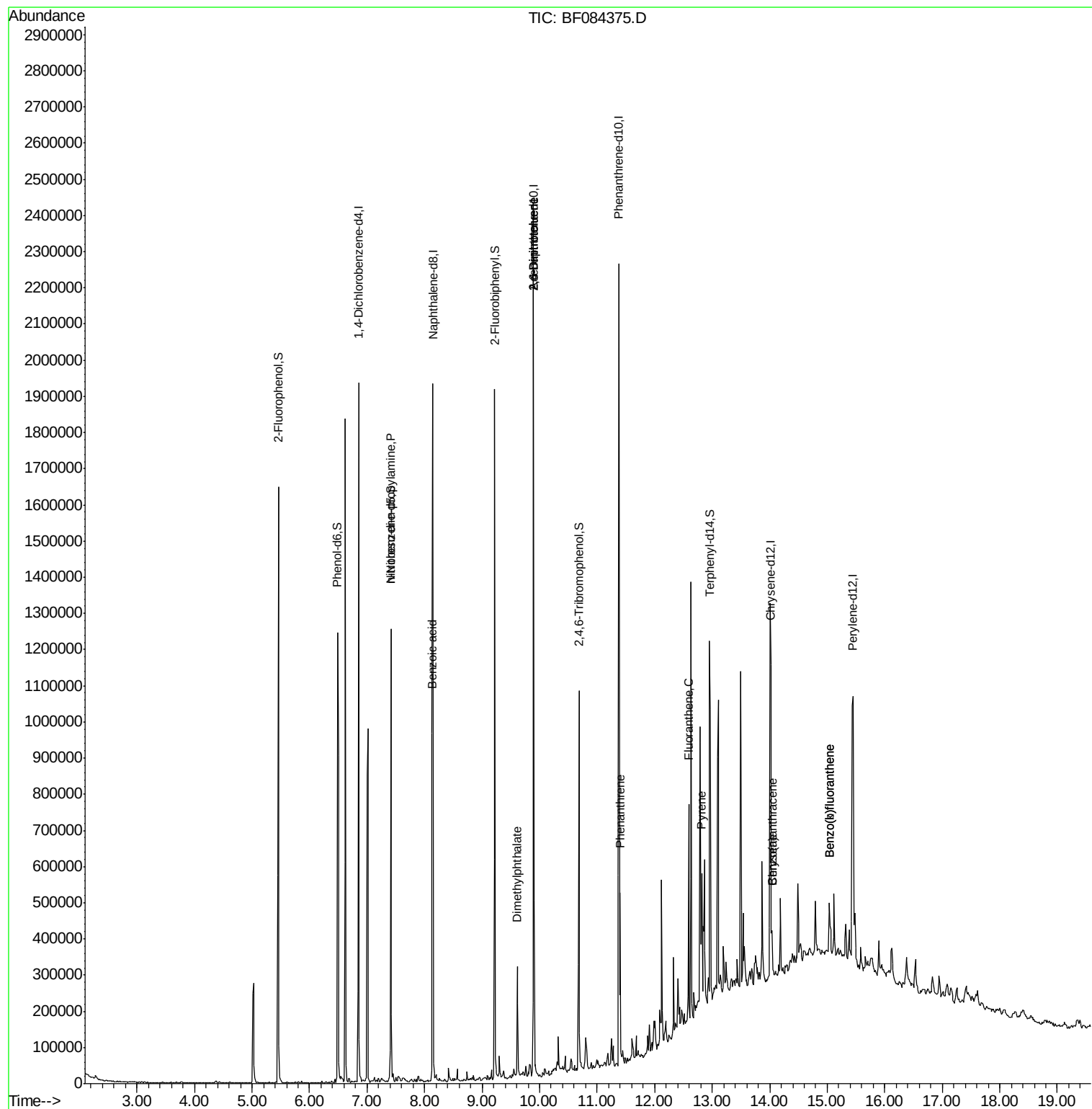
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	249478	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1007311	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	447769	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	768773	20.00	ng	-0.05
75) Chrysene-d12	14.02	240	480758	20.00	ng	-0.05
86) Perylene-d12	15.45	264	437608	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	450380	29.20	ng	-0.03
7) Phenol-d6	6.49	99	537099	27.73	ng	-0.05
23) Nitrobenzene-d5	7.41	82	347822	19.22	ng	-0.06
41) 2,4,6-Tribromophenol	10.68	330	126134	27.90	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	628772	19.85	ng	-0.05
78) Terphenyl-d14	12.96	244	412113	19.13	ng	-0.06
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	50180	3.83	ng	# 67
32) Benzoic acid	8.13	122	219	6.27	ng	# 1
49) Dimethylphthalate	9.61	163	145689	4.55	ng	# 90
50) 2,6-Dinitrotoluene	9.89	165	59793	8.52	ng	# 37
54) Dibenzofuran	10.10	168	5920	Below	Cal	98
56) 2,4-Dinitrotoluene	9.89	165	60834	6.85	ng	# 21
57) Fluorene	10.44	166	11991	Below	Cal	88
70) Phenanthrene	11.40	178	168658	4.19	ng	99
73) Di-n-butylphthalate	11.95	149	9269	Below	Cal	# 96
74) Fluoranthene	12.59	202	217967	5.19	ng	96
77) Pyrene	12.82	202	168505	4.47	ng	99
80) Benzo(a)anthracene	14.04	228	118774	4.21	ng	95
82) Chrysene	14.04	228	118774	4.38	ng	98
87) Benzo(b)fluoranthene	15.04	252	110344	3.85	ng	# 88
88) Benzo(k)fluoranthene	15.04	252	110344	4.71	ng	# 92

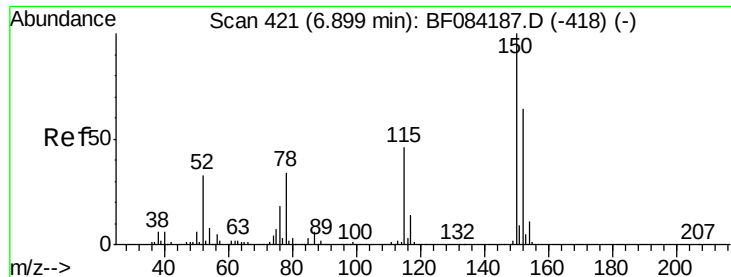
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 12 01:38:02 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Instrument :

BNA_F

ClientSampleId :

SB-5S(0-10)

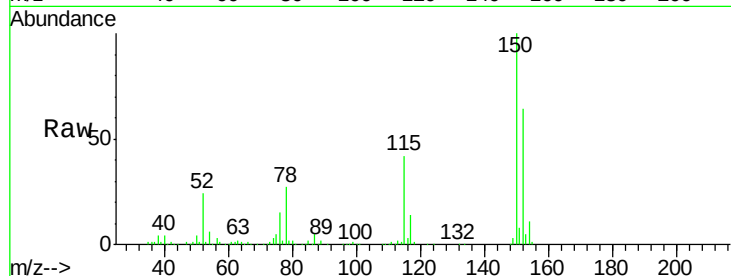
Tgt Ion:152 Resp: 249478

Ion Ratio Lower Upper

152 100

150 157.4 123.0 184.4

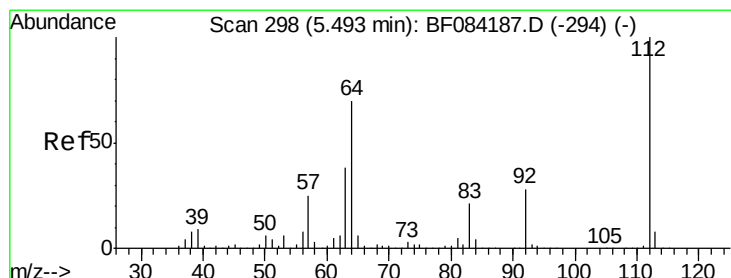
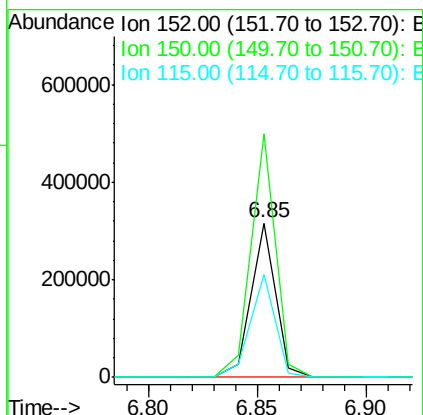
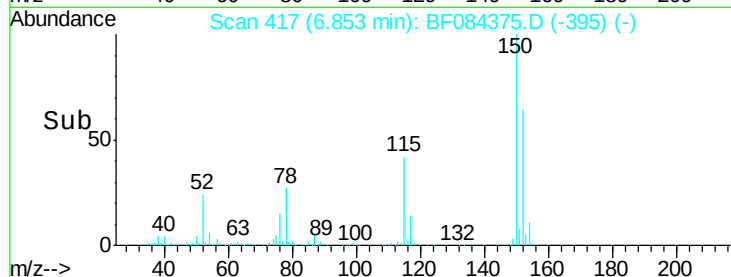
115 66.4 51.4 77.2



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: 29.20 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.03 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

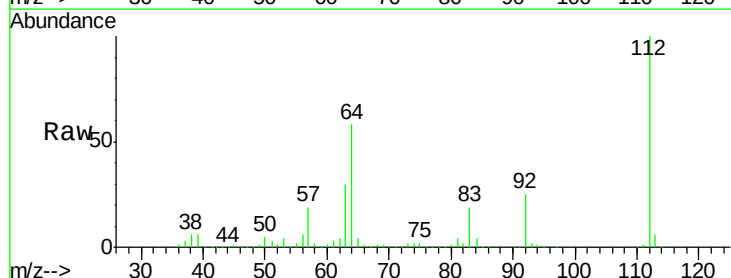
Tgt Ion:112 Resp: 450380

Ion Ratio Lower Upper

112 100

64 58.0 36.6 55.0#

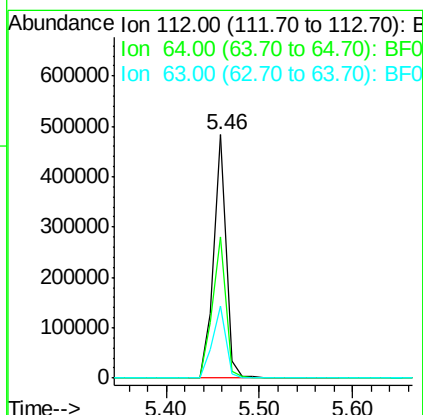
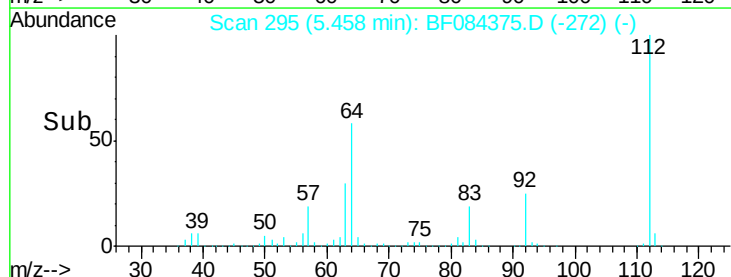
63 29.8 19.4 29.0#

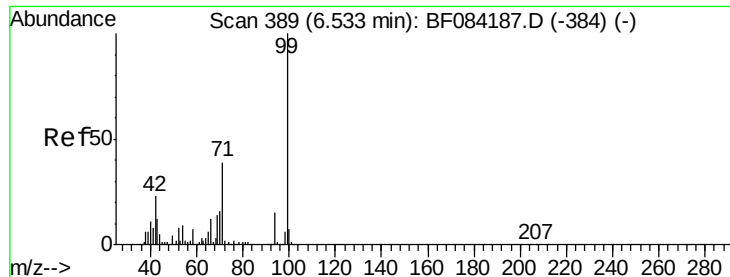


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.73 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.05 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Instrument :

BNA_F

ClientSampled :

SB-5S(0-10)

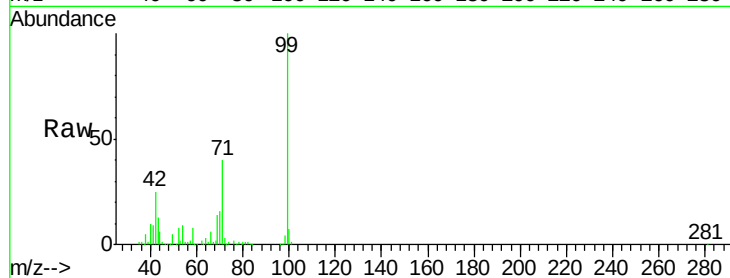
Tgt Ion: 99 Resp: 537099

Ion Ratio Lower Upper

99 100

42 24.7 12.8 19.2#

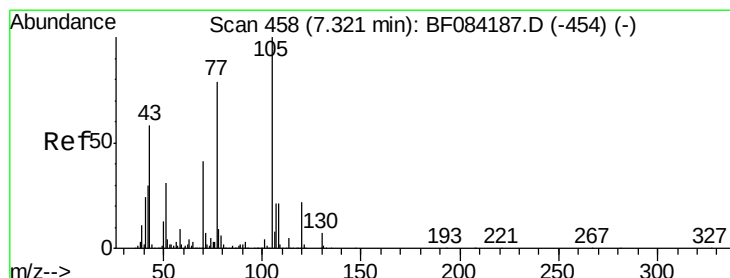
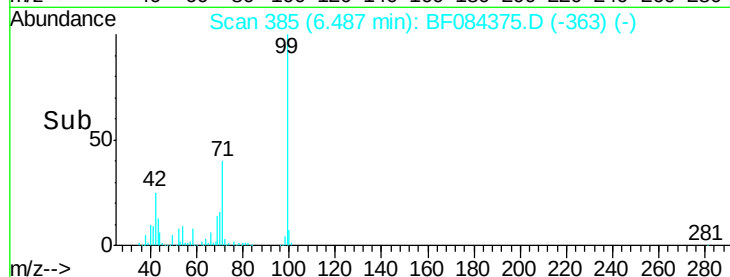
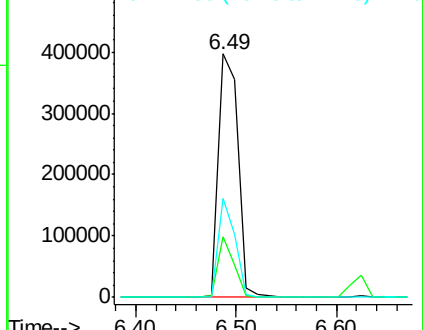
71 40.4 30.9 46.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.83 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.09 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Tgt Ion: 70 Resp: 50180

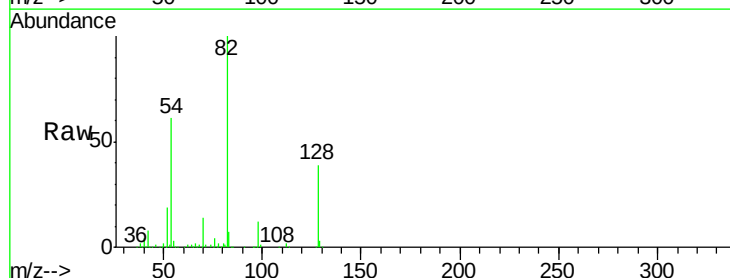
Ion Ratio Lower Upper

70 100

42 55.3 33.3 49.9#

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

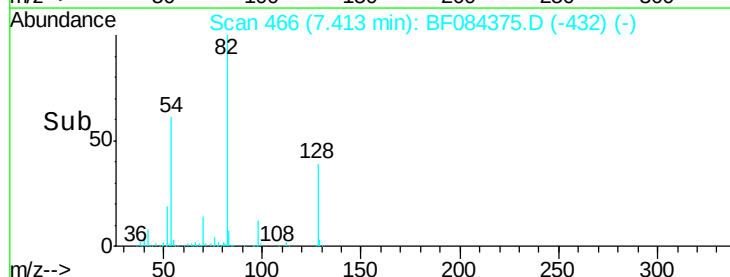
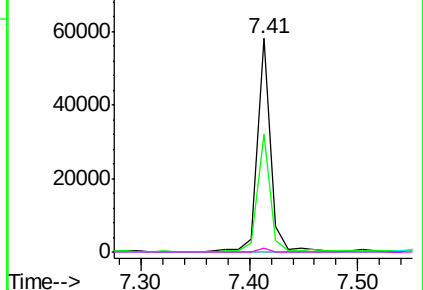


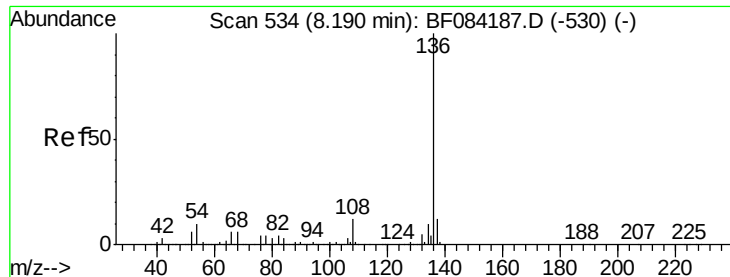
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Instrument :

BNA_F

ClientSampleId :

SB-5S(0-10)

Tgt Ion:136 Resp: 1007311

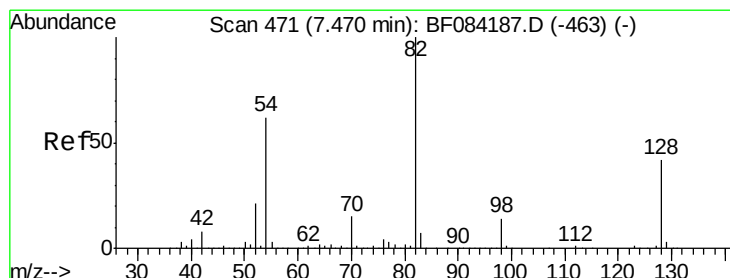
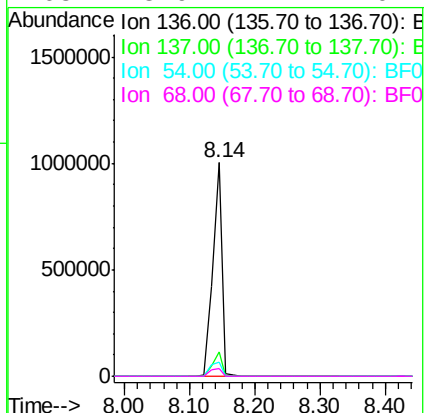
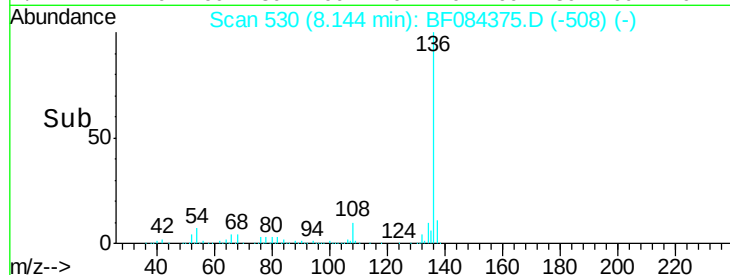
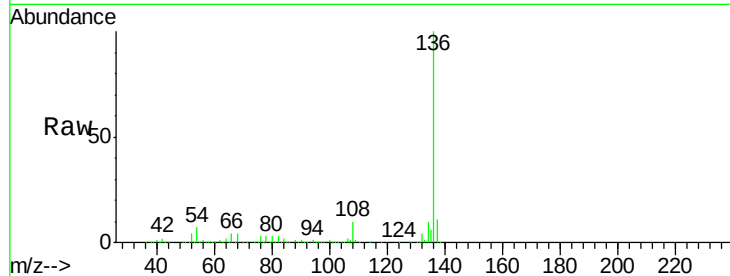
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.7 5.8 8.8

68 3.9 4.2 6.2#



#23

Nitrobenzene-d5

Concen: 19.22 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.06 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

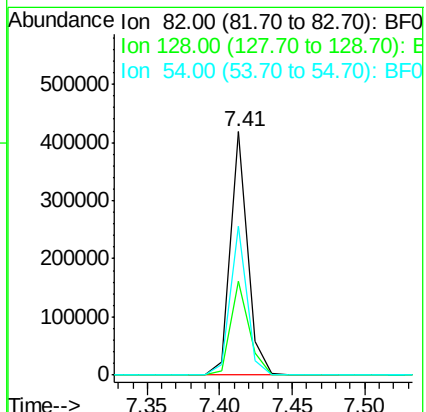
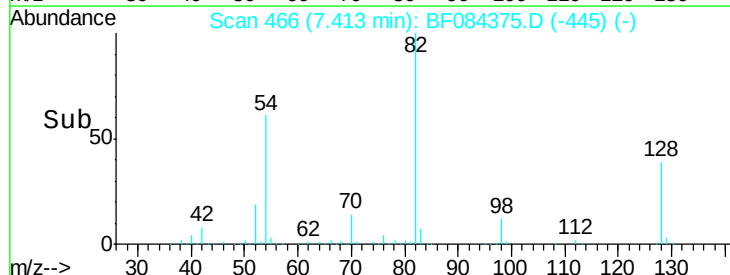
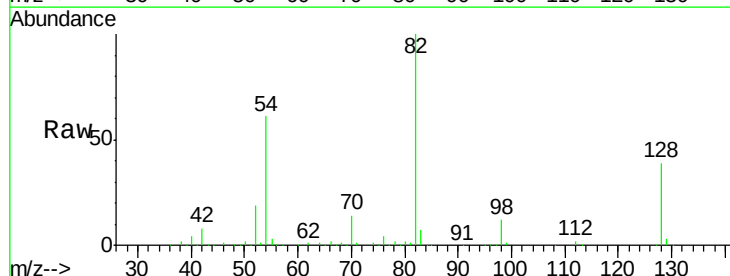
Tgt Ion: 82 Resp: 347822

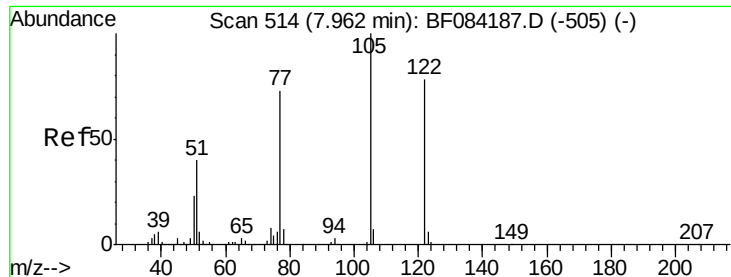
Ion Ratio Lower Upper

82 100

128 38.8 34.6 51.8

54 61.1 38.4 57.6#

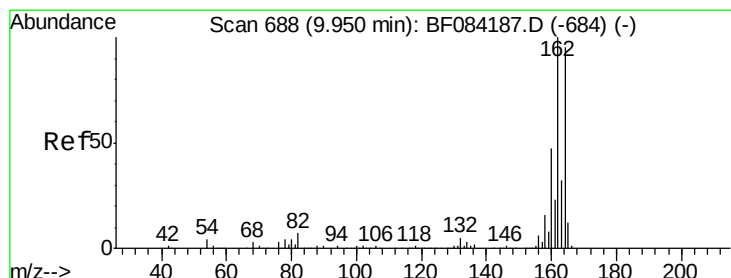
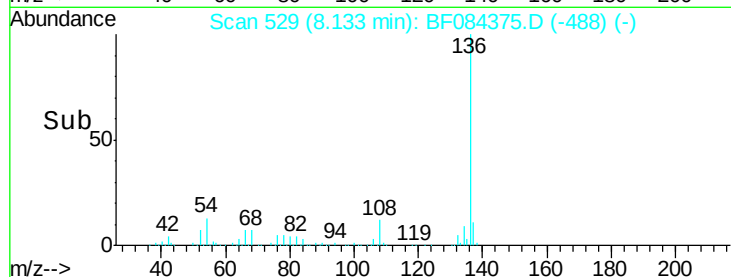
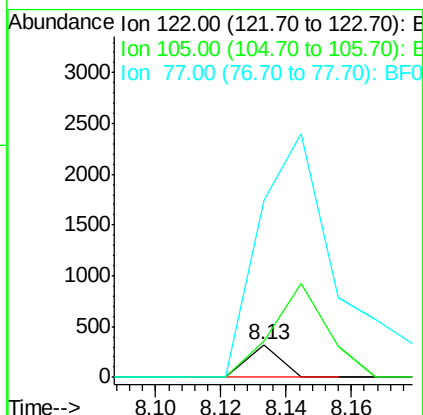
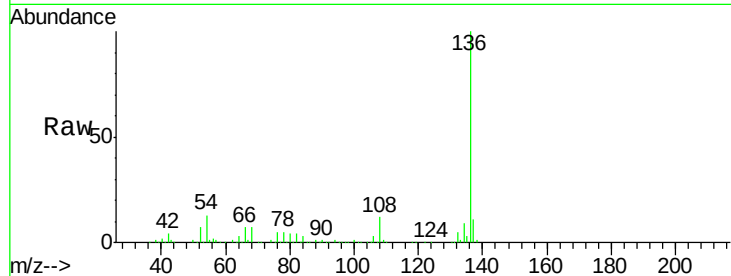




#32
Benzoic acid
Concen: 6.27 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.17 min
Lab File: BF084375.D
Acq: 11 Jan 2016 13:06

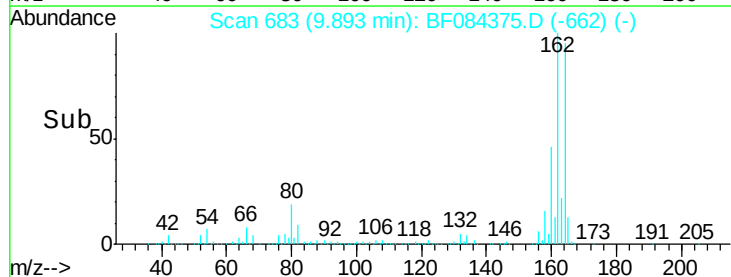
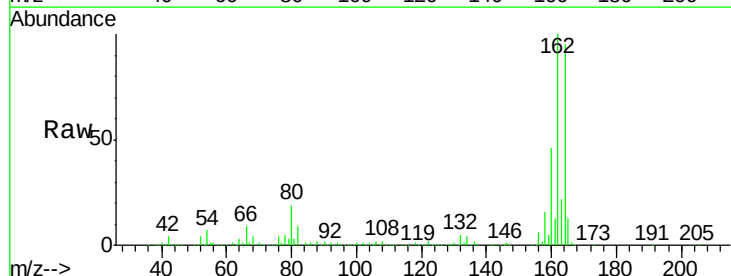
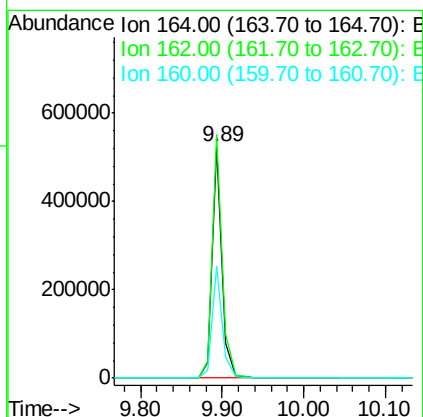
Instrument :
BNA_F
ClientSampleId :
SB-5S(0-10)

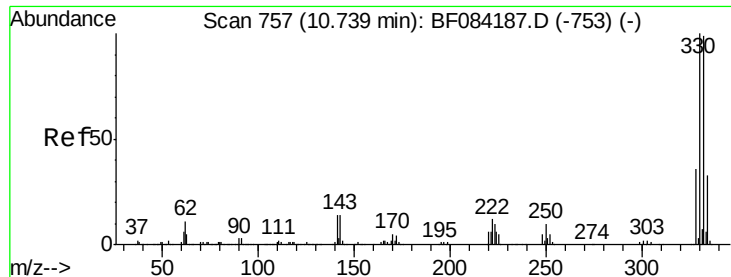
Tgt Ion	Ratio	Lower	Upper
122	100		
105	111.3	100.3	140.3
77	544.1	63.5	103.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF084375.D
Acq: 11 Jan 2016 13:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	85.1	127.7
160	48.2	37.5	56.3

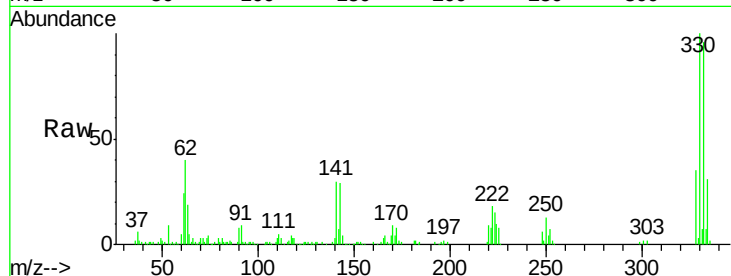




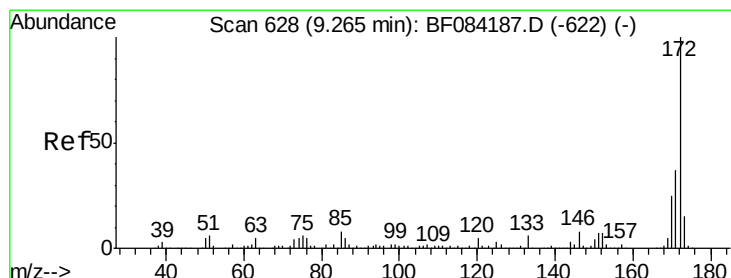
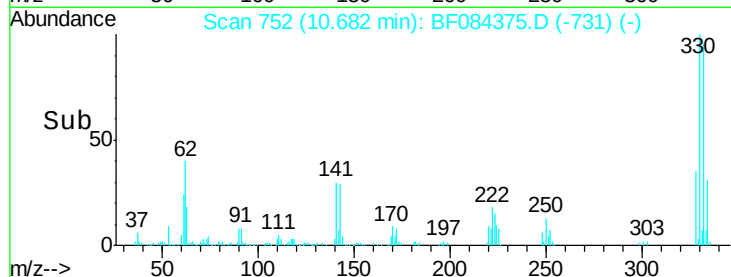
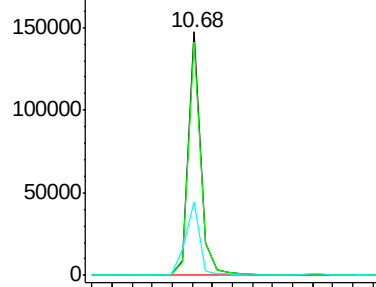
#41
 2,4,6-Tribromophenol
 Concen: 27.90 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.06 min
 Lab File: BF084375.D
 Acq: 11 Jan 2016 13:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-5S(0-10)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	114.8
141	36.8	27.8	41.6

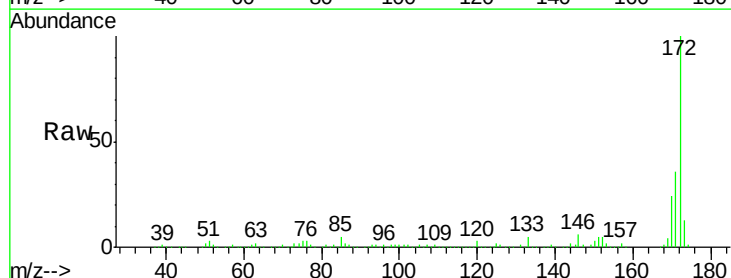


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

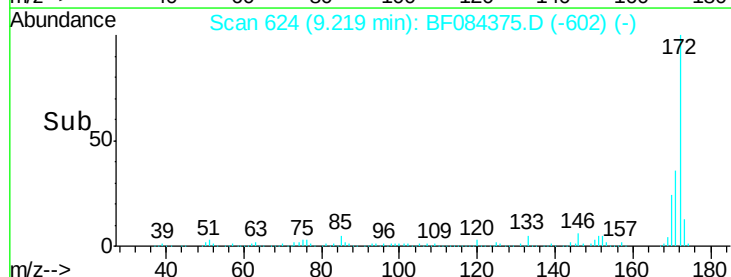
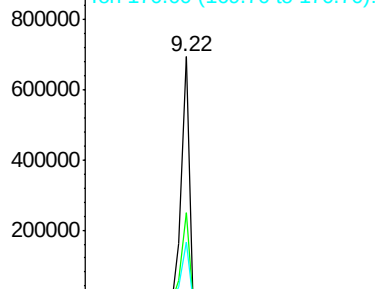


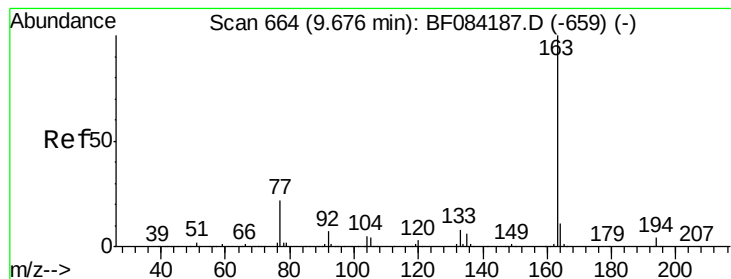
#44
 2-Fluorobiphenyl
 Concen: 19.85 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.05 min
 Lab File: BF084375.D
 Acq: 11 Jan 2016 13:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.9	43.3
170	23.8	18.6	27.8



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





#49

Dimethylphthalate

Concen: 4.55 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.07 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Instrument :

BNA_F

ClientSampleId :

SB-5S(0-10)

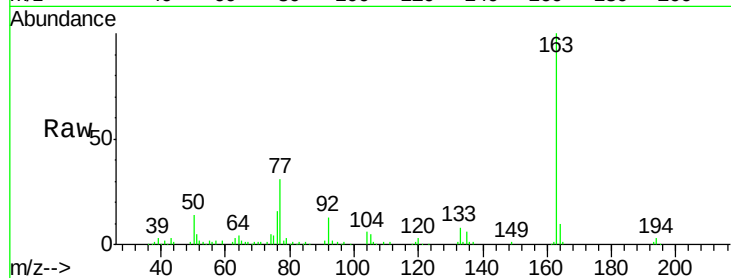
Tgt Ion:163 Resp: 145689

Ion Ratio Lower Upper

163 100

194 3.0 8.0 12.0#

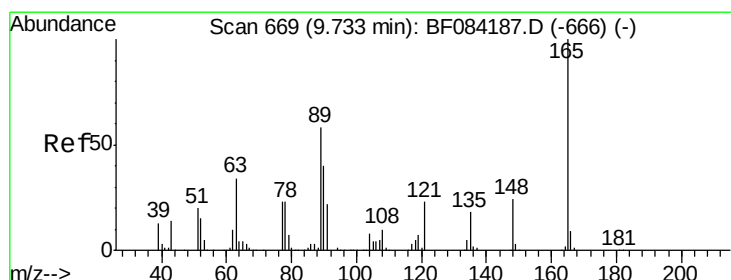
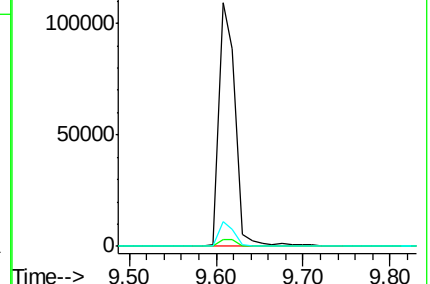
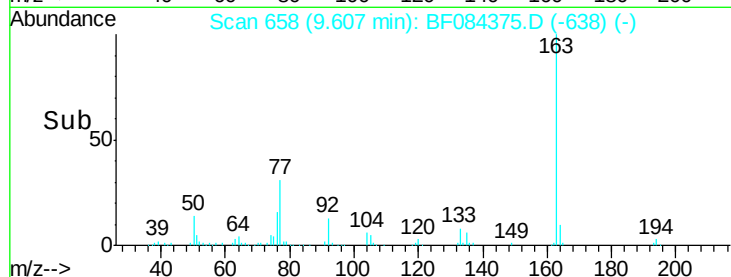
164 10.4 8.0 12.0



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: 8.52 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.16 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

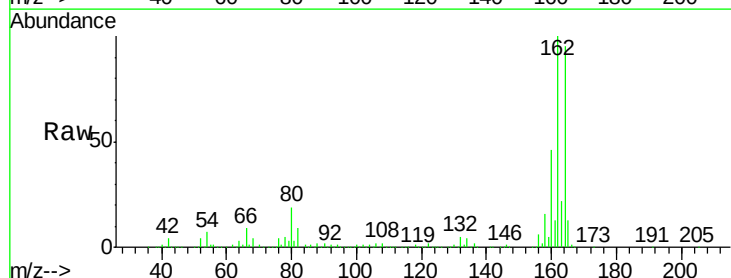
Tgt Ion:165 Resp: 59793

Ion Ratio Lower Upper

165 100

63 1.2 28.8 43.2#

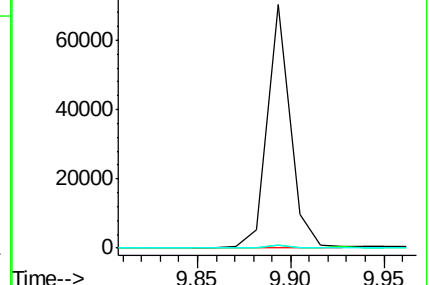
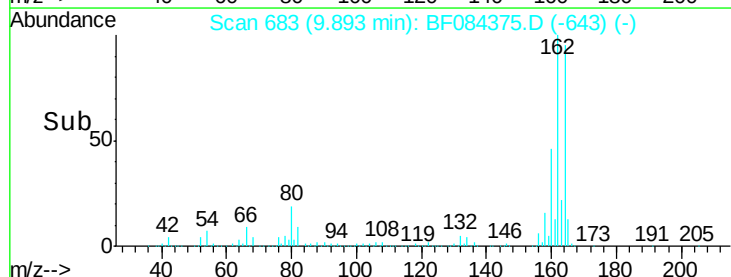
89 1.1 35.1 52.7#

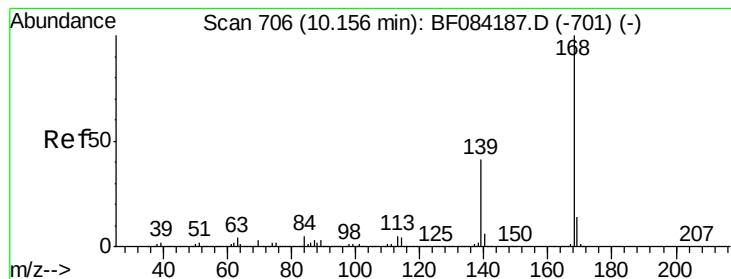


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#54

Dibenzofuran

Concen: Below Cal

RT: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Instrument :

BNA_F

ClientSampleId :

SB-5S(0-10)

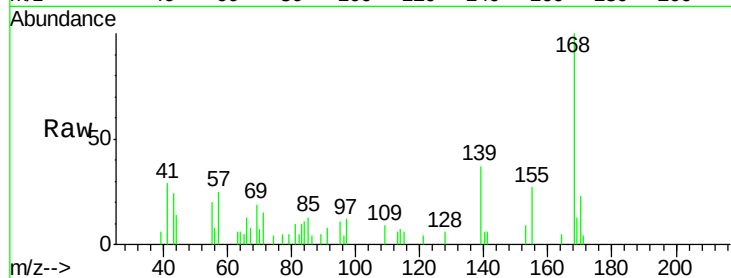
Tgt Ion:168 Resp: 5920

Ion Ratio Lower Upper

168 100

139 36.6 30.5 45.7

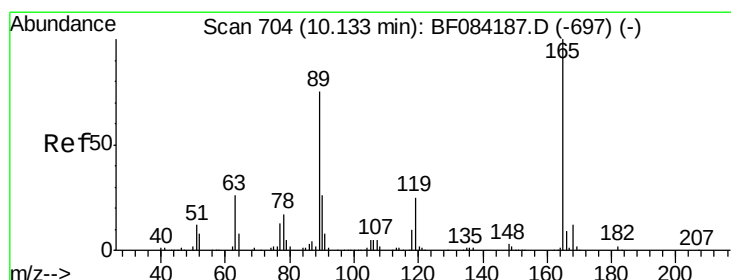
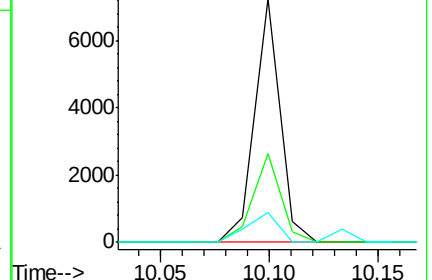
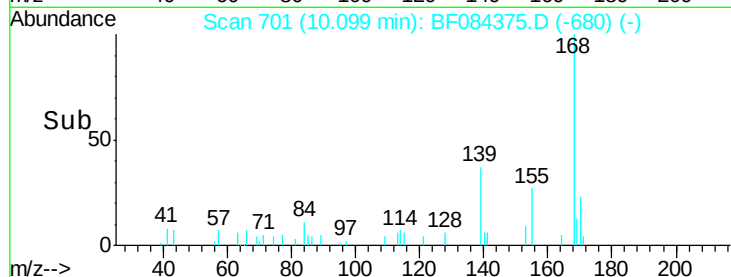
169 12.5 10.4 15.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.85 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.24 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Tgt Ion:165 Resp: 60834

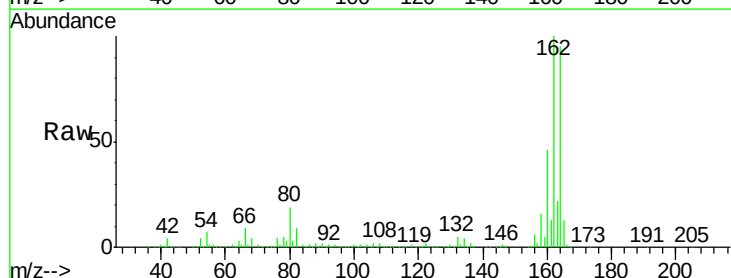
Ion Ratio Lower Upper

165 100

63 1.2 36.7 55.1#

89 1.1 61.9 92.9#

182 0.0 2.0 3.0#

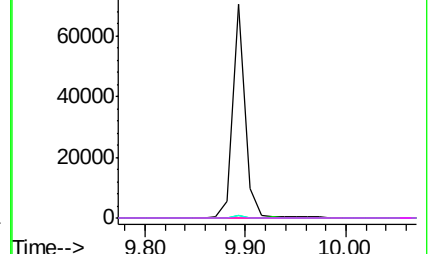
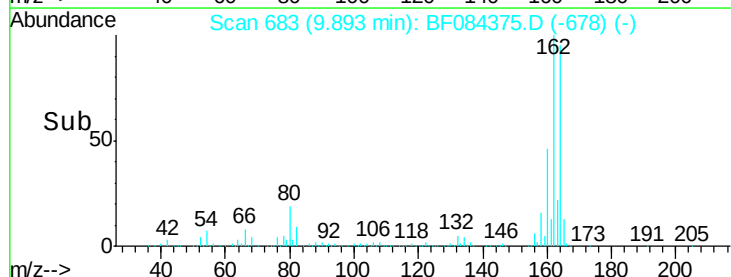


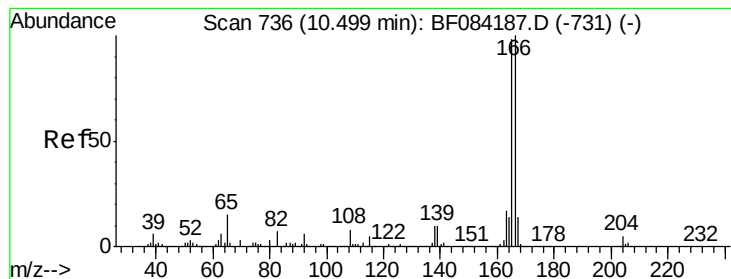
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.44 min Scan# 731

Delta R.T. -0.06 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Instrument :

BNA_F

ClientSampleId :

SB-5S(0-10)

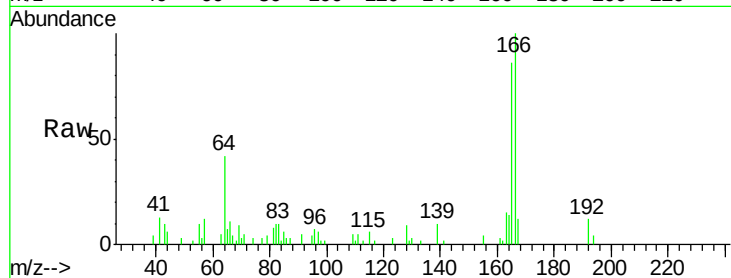
Tgt Ion:166 Resp: 11991

Ion Ratio Lower Upper

166 100

165 86.1 79.1 118.7

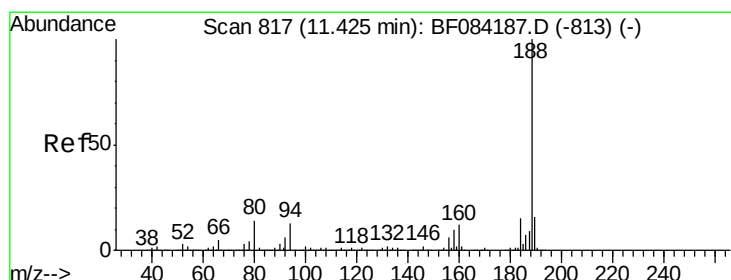
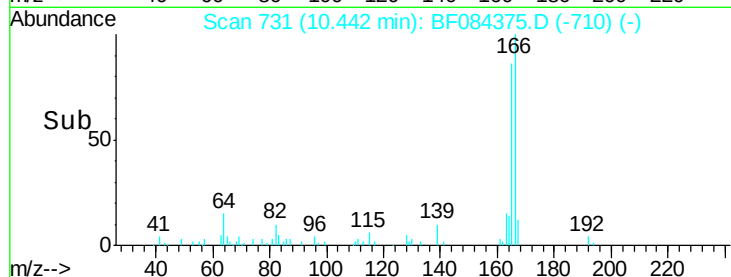
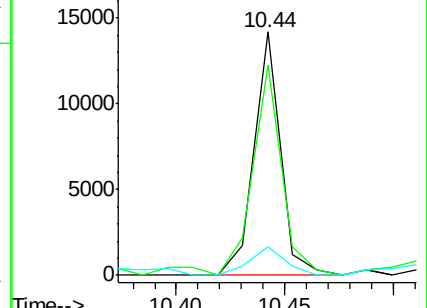
167 11.9 10.4 15.6



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: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

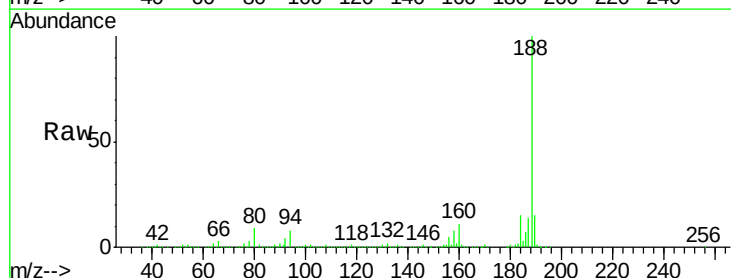
Tgt Ion:188 Resp: 768773

Ion Ratio Lower Upper

188 100

94 8.2 9.0 13.4#

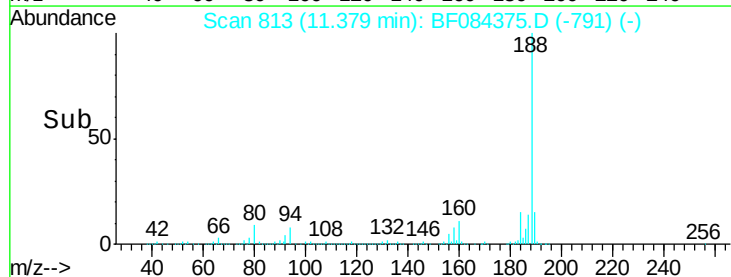
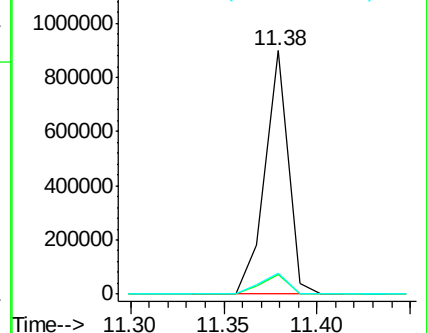
80 8.7 9.6 14.4#

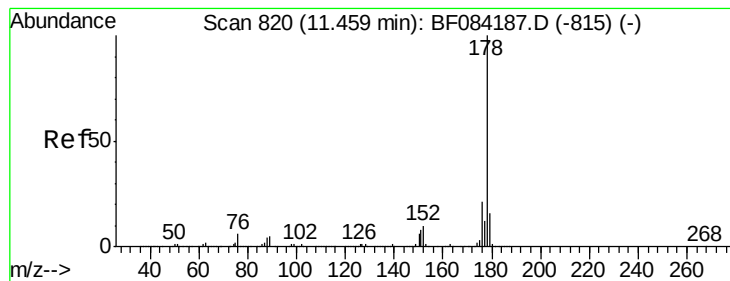


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.19 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.06 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Instrument :

BNA_F

ClientSampleId :

SB-5S(0-10)

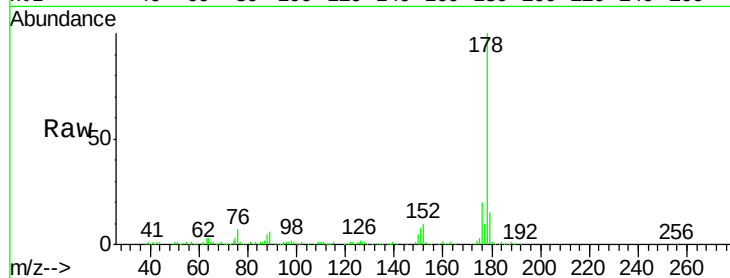
Tgt Ion:178 Resp: 168658

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

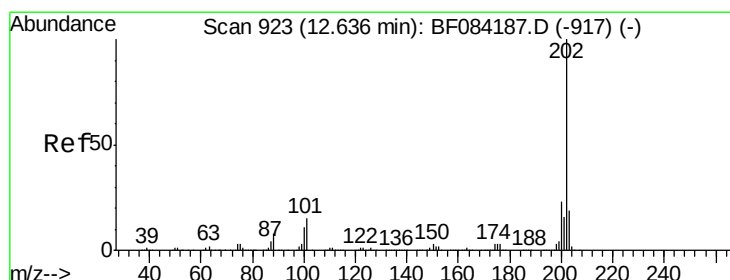
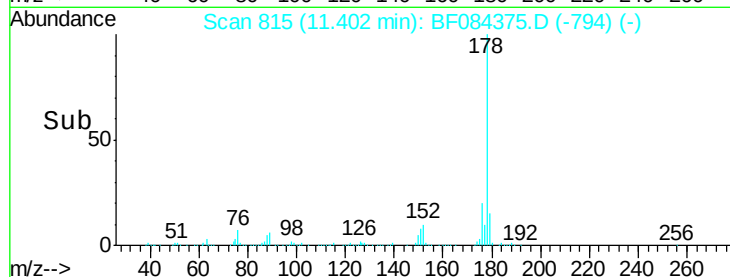
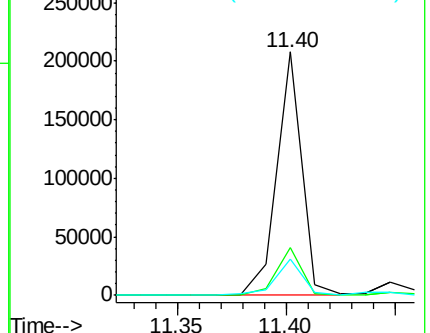
179 14.8 12.0 18.0



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: 5.19 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

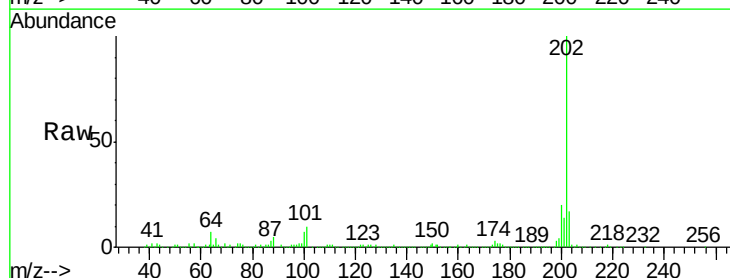
Tgt Ion:202 Resp: 217967

Ion Ratio Lower Upper

202 100

101 9.5 0.0 32.8

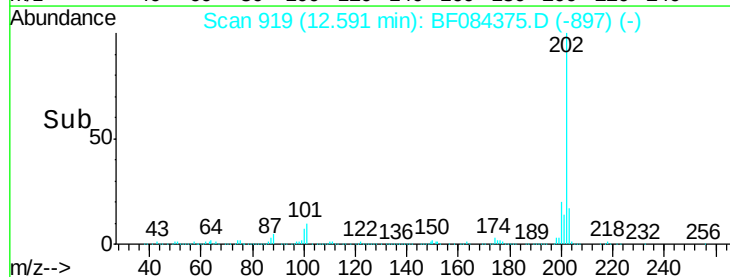
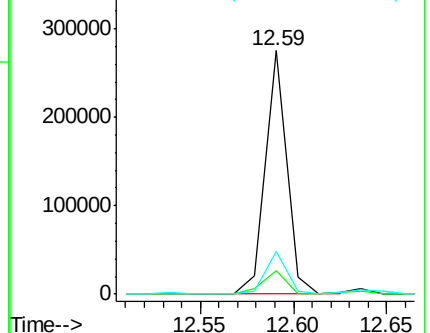
203 17.3 0.0 37.9

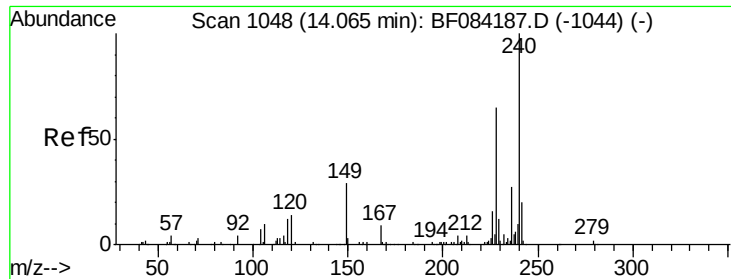


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Instrument :

BNA_F

ClientSampleId :

SB-5S(0-10)

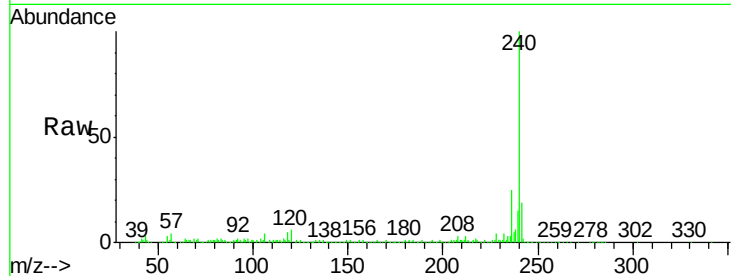
Tgt Ion:240 Resp: 480758

Ion Ratio Lower Upper

240 100

120 6.2 9.5 14.3#

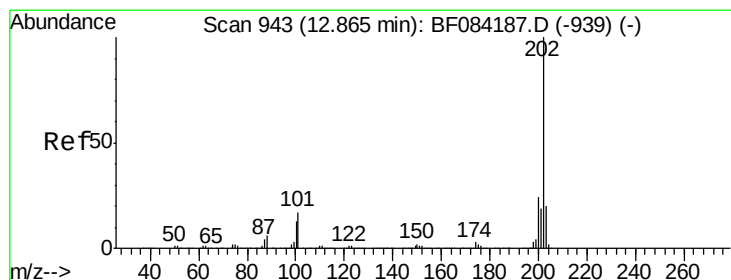
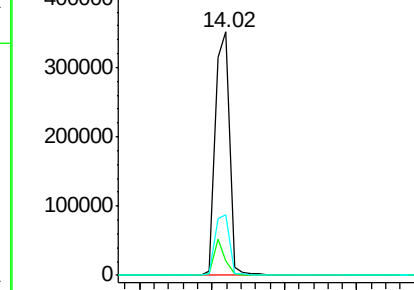
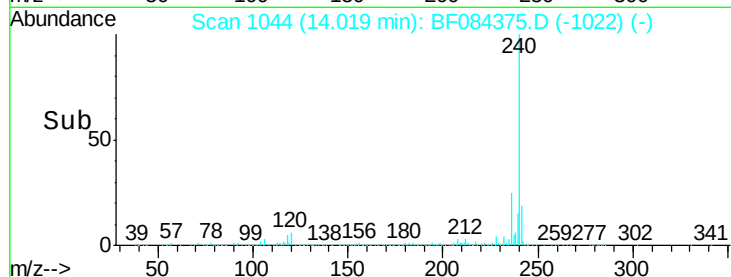
236 25.1 20.6 31.0



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: 4.47 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

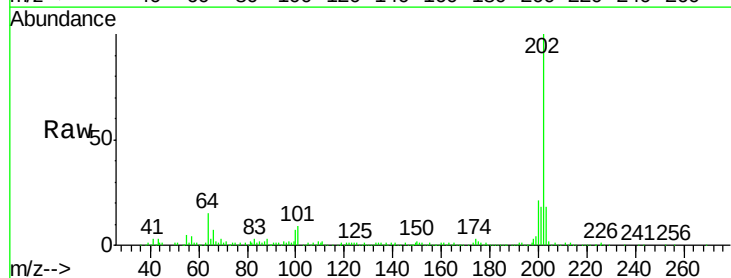
Tgt Ion:202 Resp: 168505

Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

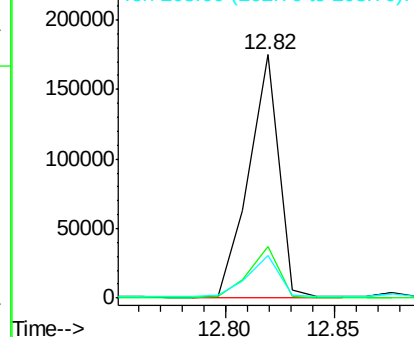
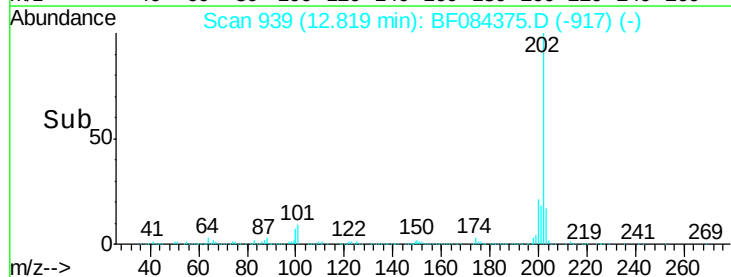
203 17.7 14.3 21.5

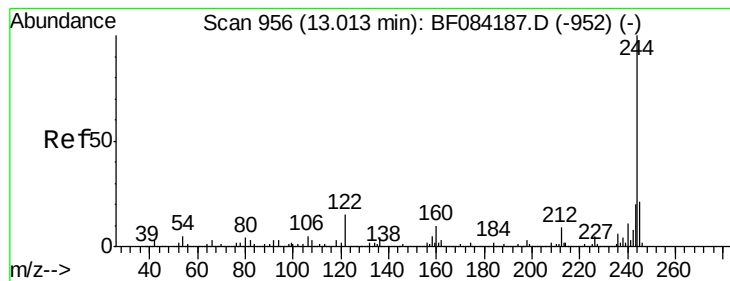


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 19.13 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Instrument :

BNA_F

ClientSampleId :

SB-5S(0-10)

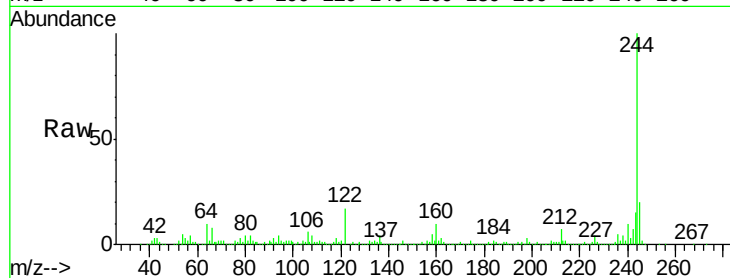
Tgt Ion:244 Resp: 412113

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

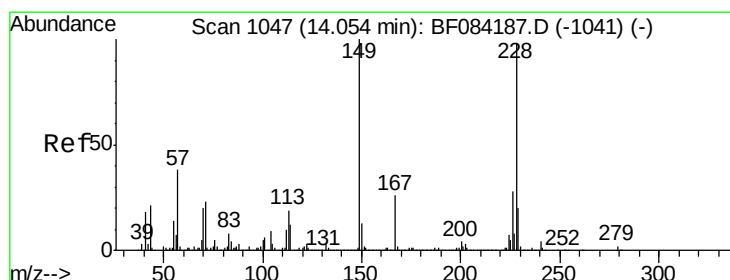
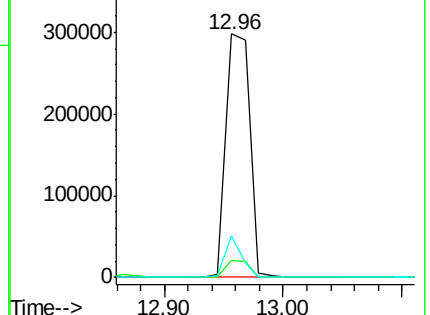
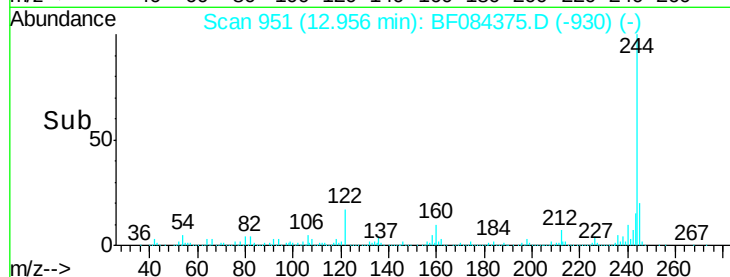
122 17.2 7.4 11.0#



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: 4.21 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

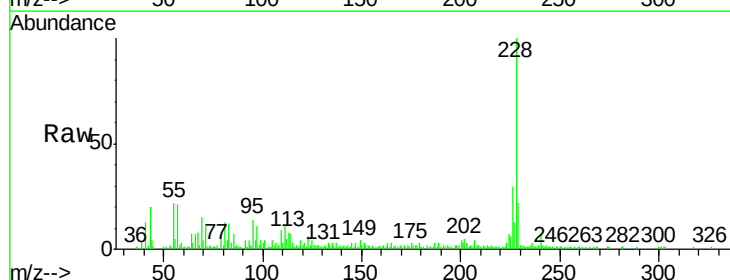
Tgt Ion:228 Resp: 118774

Ion Ratio Lower Upper

228 100

226 30.2 21.8 32.6

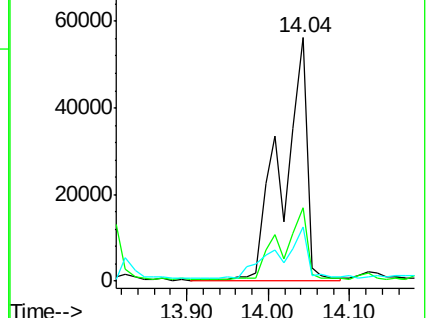
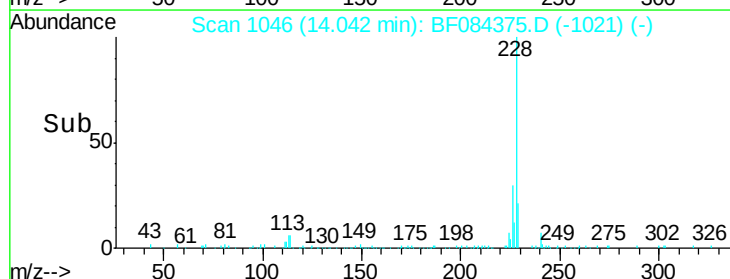
229 22.1 15.8 23.8

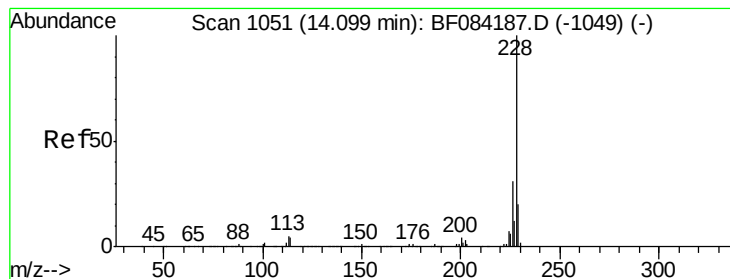


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.38 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.06 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Instrument :

BNA_F

ClientSampleId :

SB-5S(0-10)

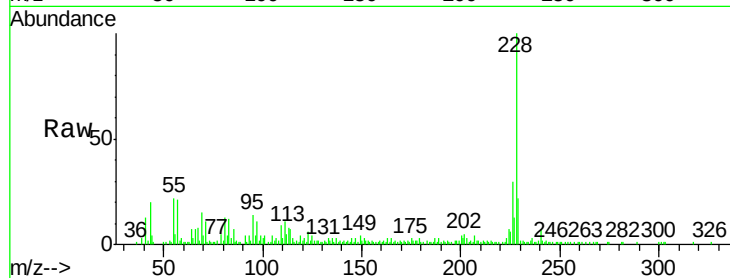
Tgt Ion:228 Resp: 118774

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

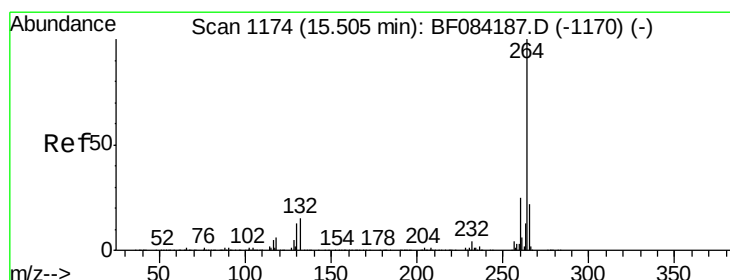
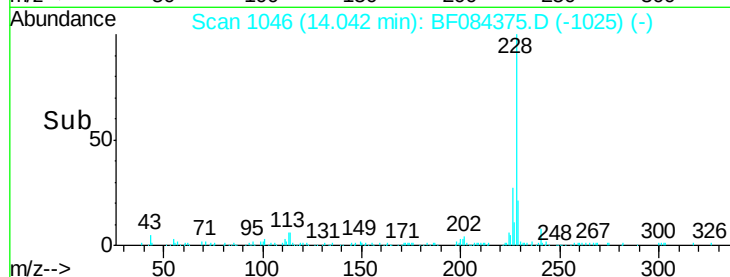
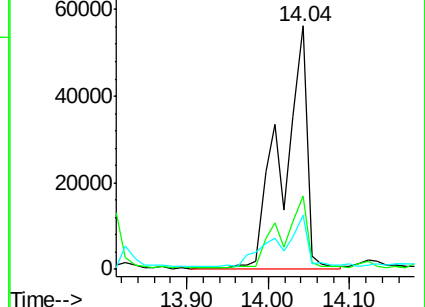
229 22.1 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.45 min Scan# 1169

Delta R.T. -0.06 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

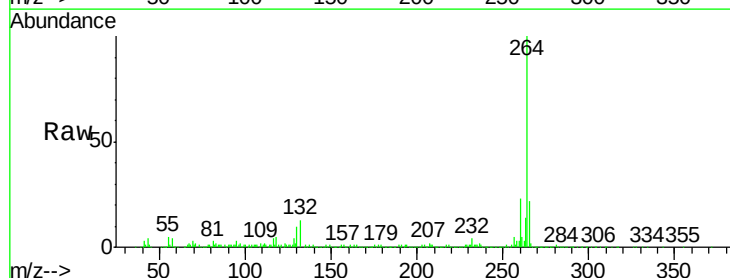
Tgt Ion:264 Resp: 437608

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

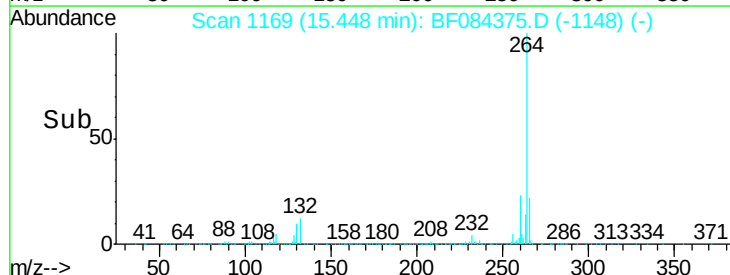
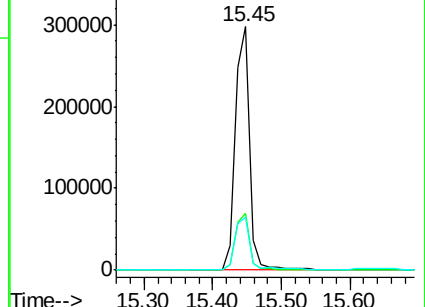
265 21.7 17.8 26.6

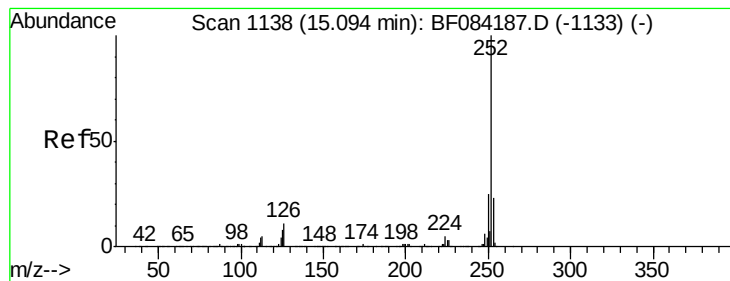


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.85 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.06 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

Instrument :

BNA_F

ClientSampleId :

SB-5S(0-10)

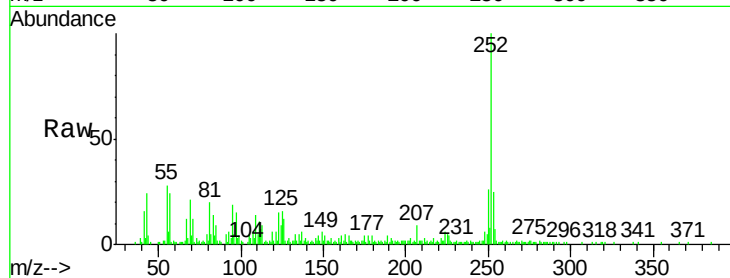
Tgt Ion:252 Resp: 110344

Ion Ratio Lower Upper

252 100

253 25.5 17.3 25.9

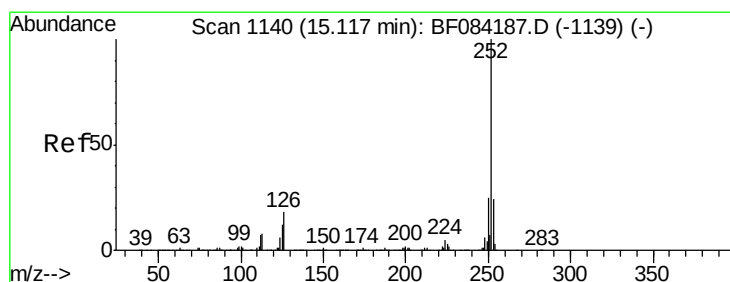
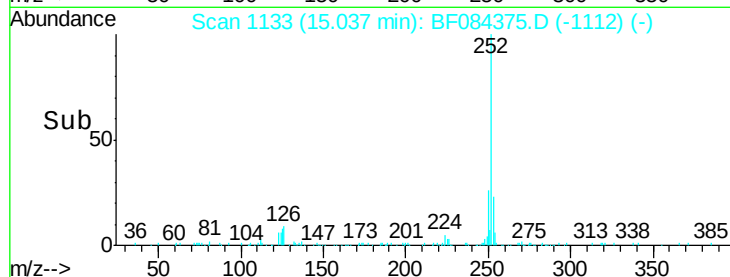
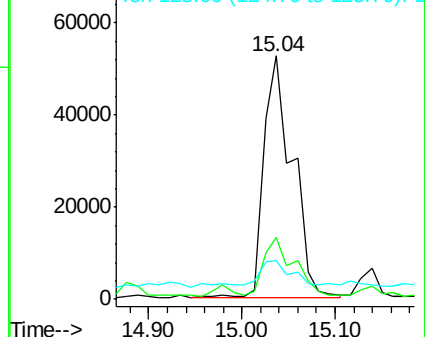
125 15.9 6.5 9.7#



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



#88

Benzo(k)fluoranthene

Concen: 4.71 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.08 min

Lab File: BF084375.D

Acq: 11 Jan 2016 13:06

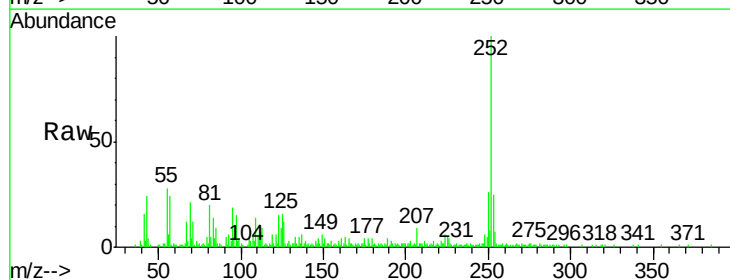
Tgt Ion:252 Resp: 110344

Ion Ratio Lower Upper

252 100

253 25.5 18.1 27.1

125 15.9 9.0 13.6#



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

