

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087811.D
 Acq On : 8 Jun 2016 15:52
 Operator : UM/SJ
 Sample : H3378-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-16

Quant Time: Jun 09 07:05:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	99781	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	439857	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	188807	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	306498	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	210257	20.00	ng	0.00
86) Perylene-d12	15.42	264	210337	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	545775	93.51	ng	-0.01
7) Phenol-d6	6.46	99	689460	97.47	ng	-0.02
23) Nitrobenzene-d5	7.39	82	505092	67.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	189799	95.20	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	920168	75.97	ng	-0.01
78) Terphenyl-d14	12.95	244	625019	67.64	ng	0.00

Target Compounds

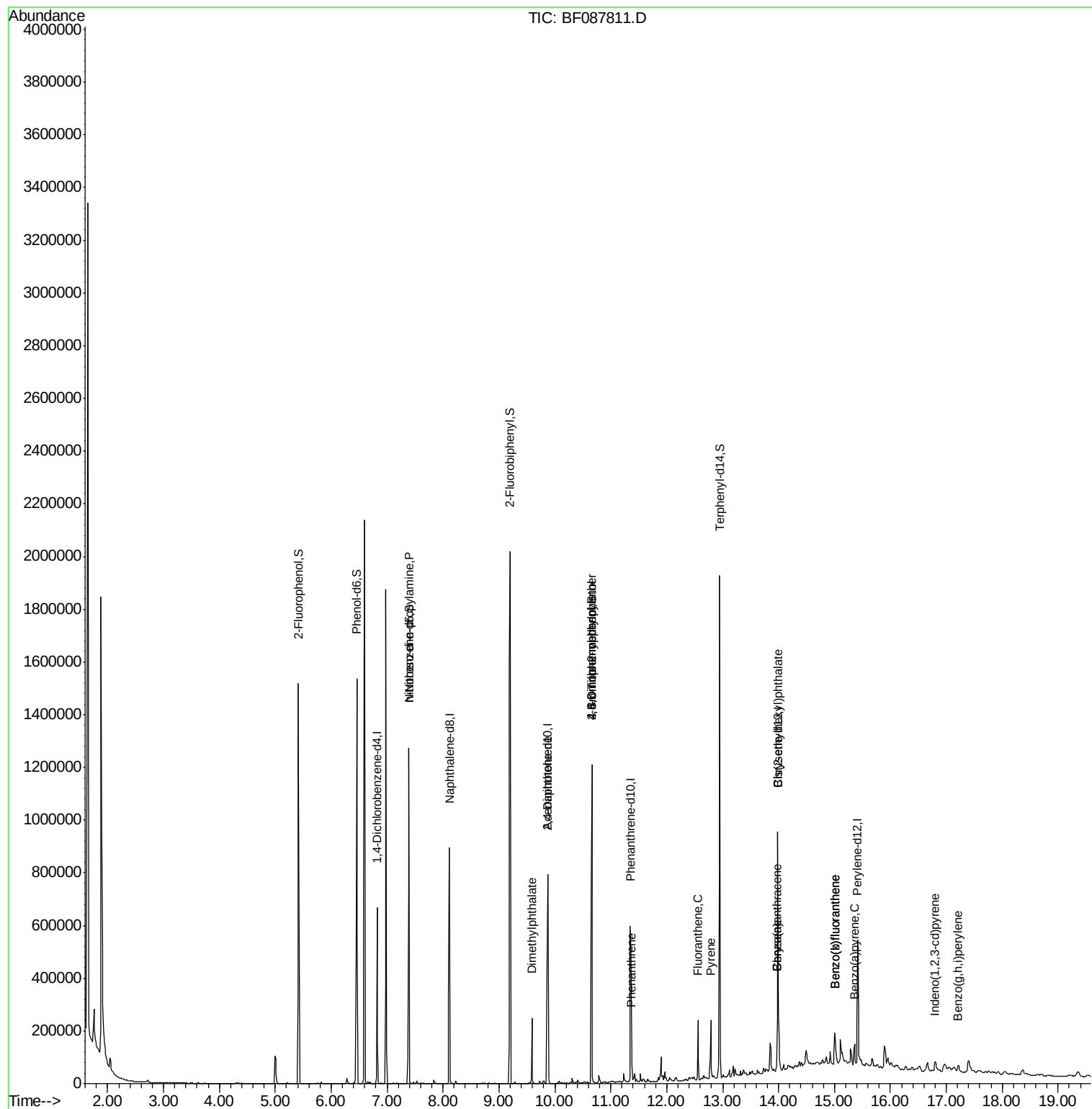
						Qvalue
10) Phenol	6.47	94	4676	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	64987	14.36	ng	# 70
45) 1,1'-Biphenyl	9.29	154	566	Below Cal		86
49) Dimethylphthalate	9.59	163	90470	6.61	ng	100
56) 2,4-Dinitrotoluene	9.87	165	23550	5.85	ng	# 38
57) Fluorene	10.41	166	3354	Below Cal	#	96
64) 4,6-Dinitro-2-methylphenol	10.66	198	265	2.29	ng	# 3
66) 4-Bromophenyl-phenylether	10.66	248	11589	3.52	ng	# 1
70) Phenanthrene	11.37	178	51290	3.19	ng	99
74) Fluoranthene	12.56	202	91835	5.41	ng	98
77) Pyrene	12.79	202	84620	5.42	ng	98
80) Benzo(a)anthracene	13.98	228	49884	4.16	ng	95
82) Chrysene	13.98	228	49884	4.43	ng	99
83) Bis(2-ethylhexyl)phthalate	13.99	149	59527	7.09	ng	99
85) Indeno(1,2,3-cd)pyrene	16.80	276	30350	2.90	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	82976	5.66	ng	# 92
88) Benzo(k)fluoranthene	15.01	252	82976	7.50	ng	97
89) Benzo(a)pyrene	15.36	252	43800	3.69	ng	97
91) Benzo(g,h,i)perylene	17.21	276	27106	2.39	ng	98

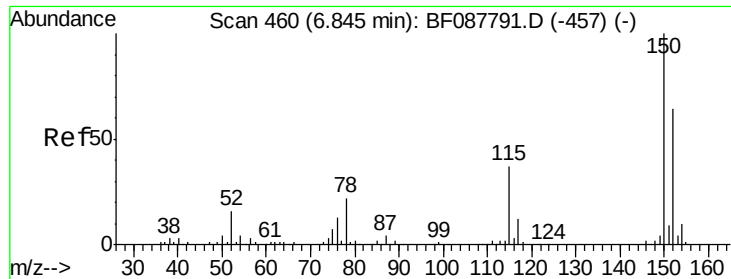
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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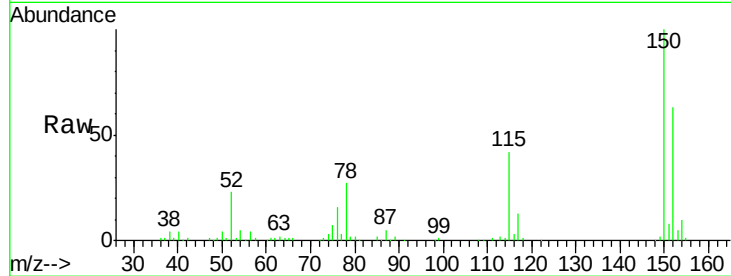


#1

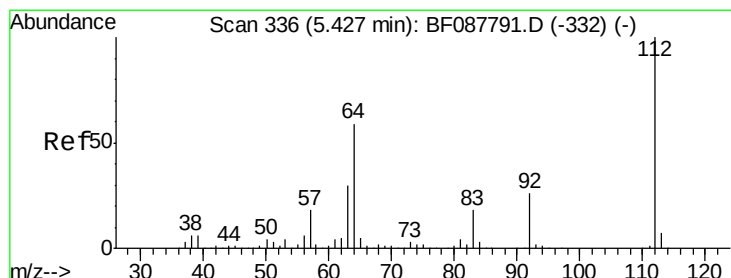
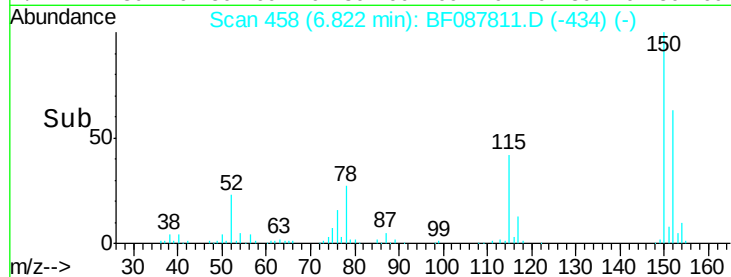
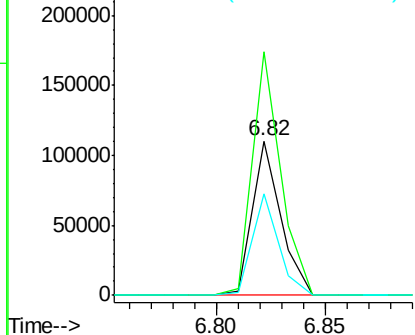
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087811.D
Acq: 8 Jun 2016 15:52

Instrument :
BNA_F
ClientSampleId :
SS-16

Tgt Ion:152 Resp: 99781
Ion Ratio Lower Upper
152 100
150 158.0 123.8 185.6
115 65.6 39.6 59.4#



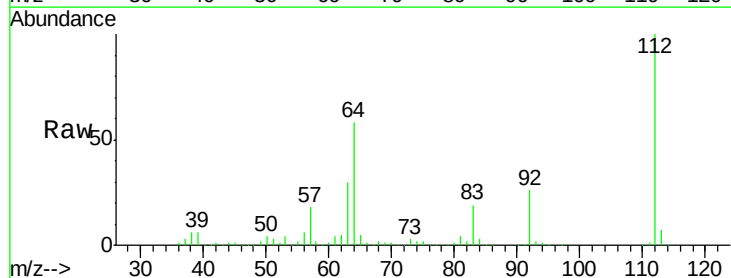
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



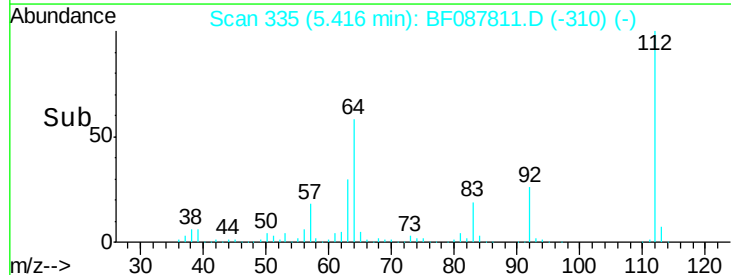
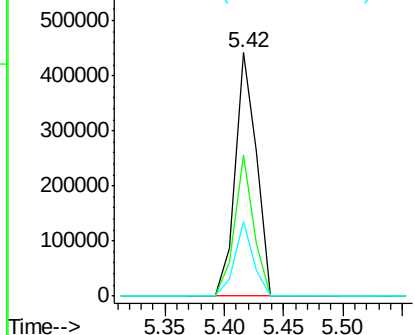
#5

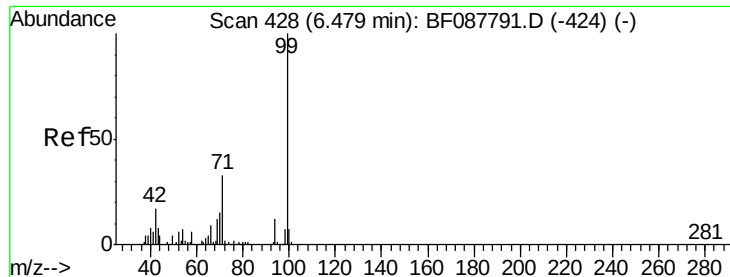
2-Fluorophenol
Concen: 93.51 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087811.D
Acq: 8 Jun 2016 15:52

Tgt Ion:112 Resp: 545775
Ion Ratio Lower Upper
112 100
64 58.2 42.2 63.2
63 30.5 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: 97.47 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

Instrument :

BNA_F

ClientSampleId :

SS-16

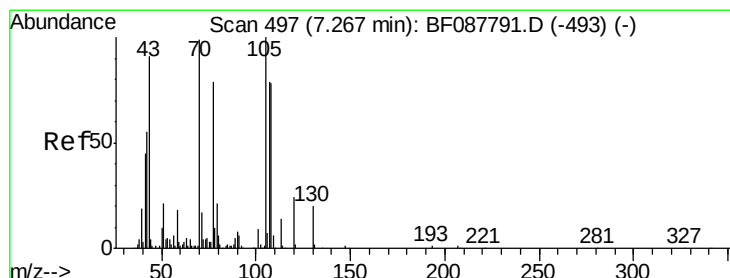
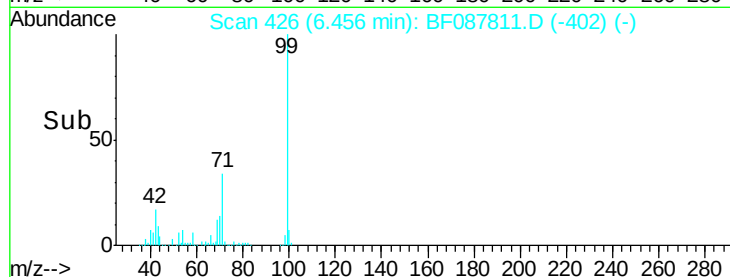
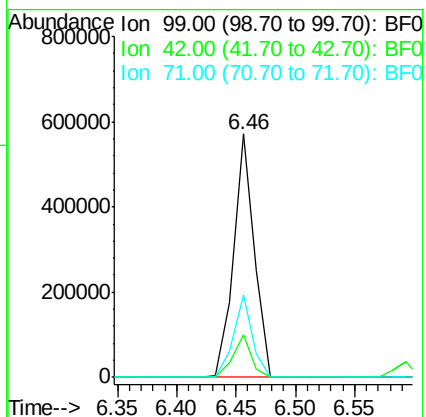
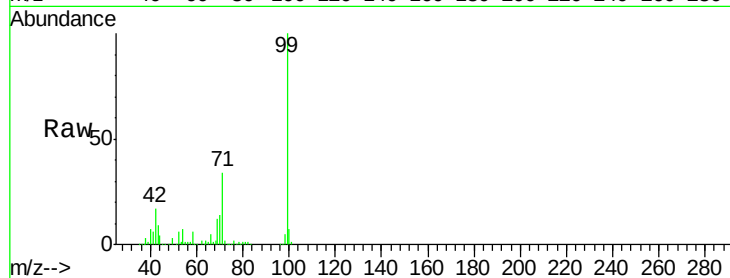
Tgt Ion: 99 Resp: 689460

Ion Ratio Lower Upper

99 100

42 17.3 12.2 18.2

71 33.7 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.36 ng

RT: 7.39 min Scan# 508

Delta R.T. 0.13 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

Tgt Ion: 70 Resp: 64987

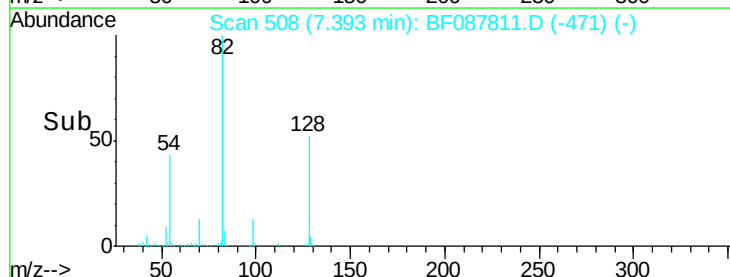
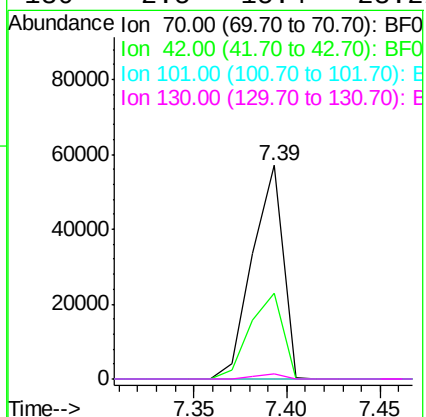
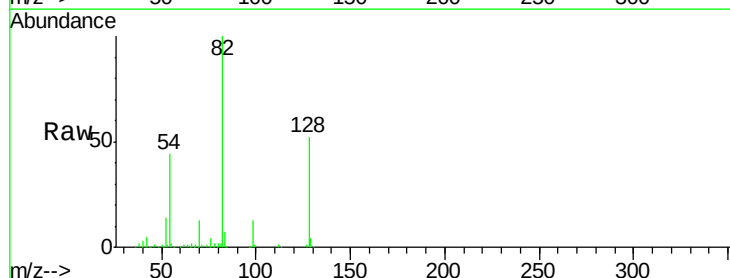
Ion Ratio Lower Upper

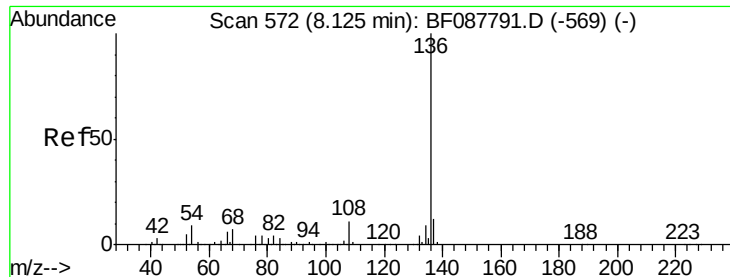
70 100

42 40.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

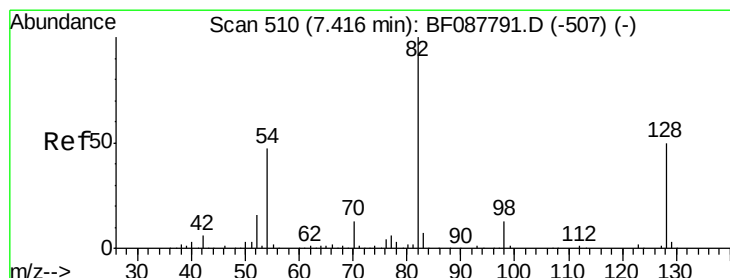
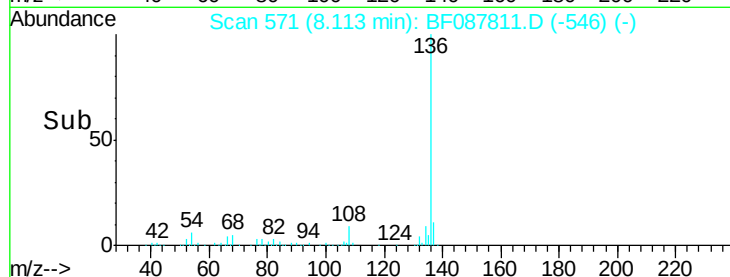
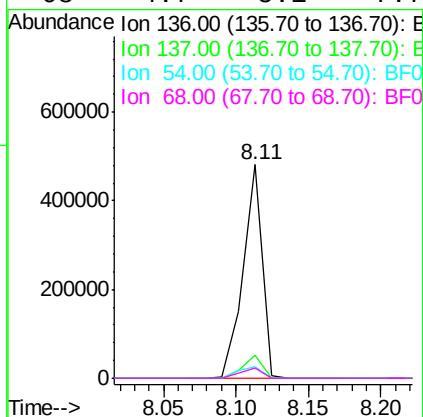
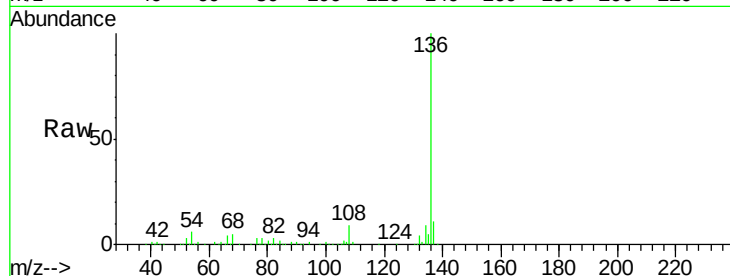




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087811.D
Acq: 8 Jun 2016 15:52

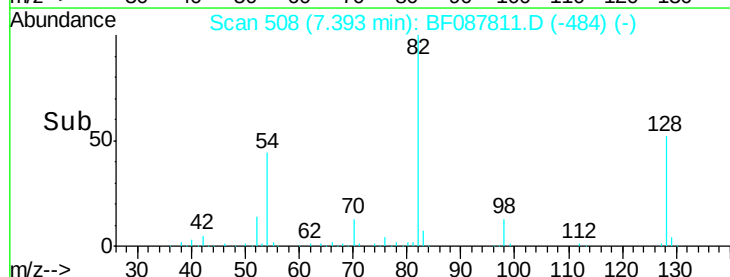
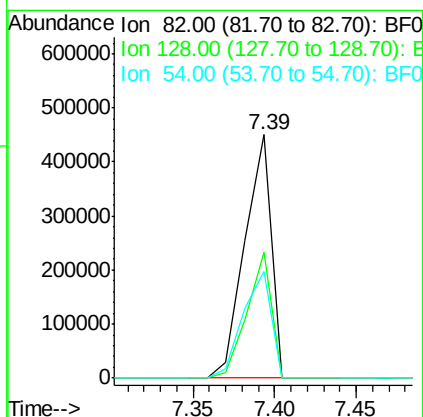
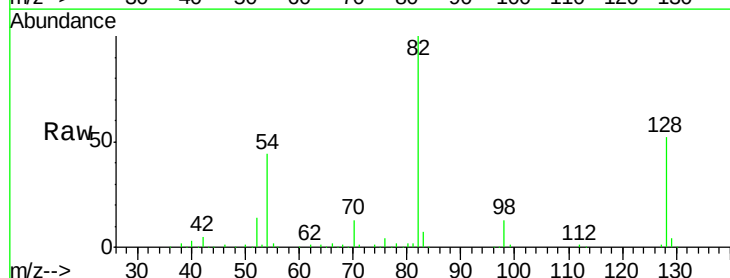
Instrument :
BNA_F
ClientSampleId :
SS-16

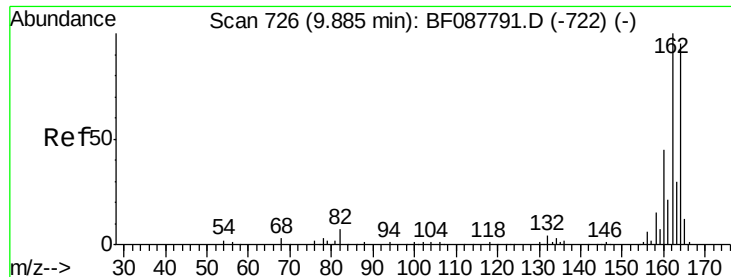
Tgt Ion:	136	Resp:	439857
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.6	6.6	10.0#
68	4.7	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 67.05 ng
RT: 7.39 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF087811.D
Acq: 8 Jun 2016 15:52

Tgt Ion:	82	Resp:	505092
Ion	Ratio	Lower	Upper
82	100		
128	51.8	35.9	53.9
54	43.9	40.9	61.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

Instrument :

BNA_F

ClientSampleId :

SS-16

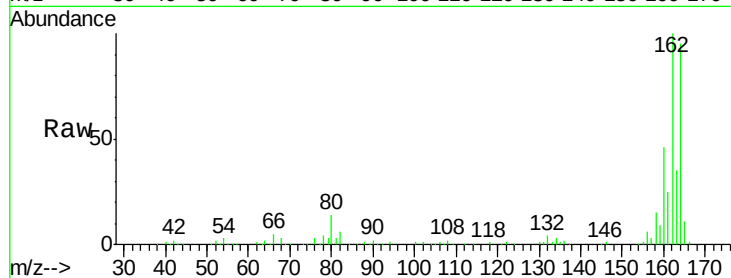
Tgt Ion:164 Resp: 188807

Ion Ratio Lower Upper

164 100

162 105.7 85.4 128.2

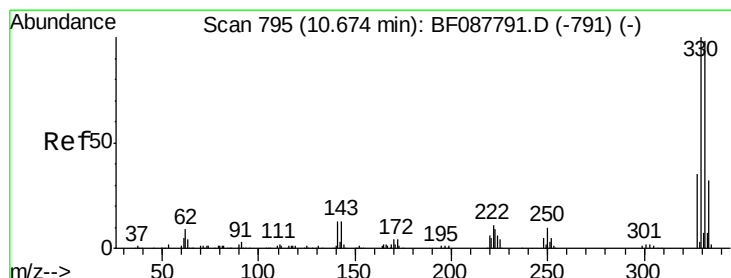
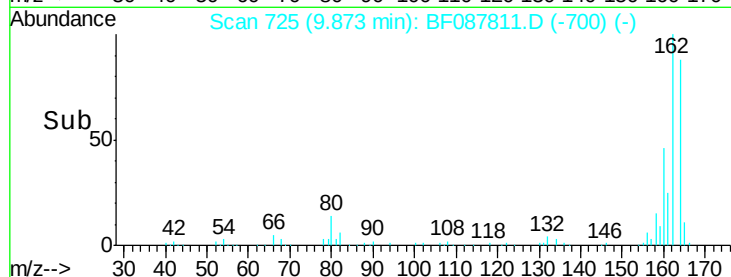
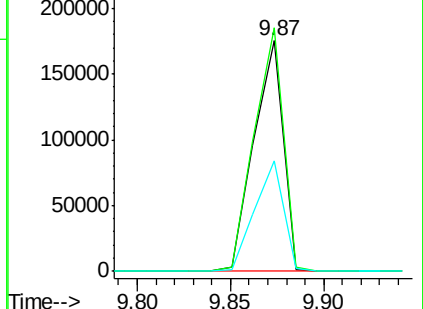
160 48.1 39.5 59.3



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: 95.20 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

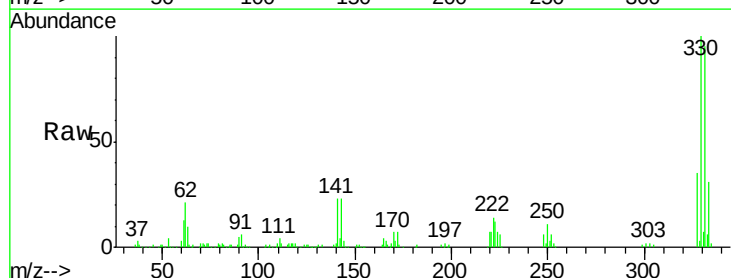
Tgt Ion:330 Resp: 189799

Ion Ratio Lower Upper

330 100

332 95.3 0.0 0.0#

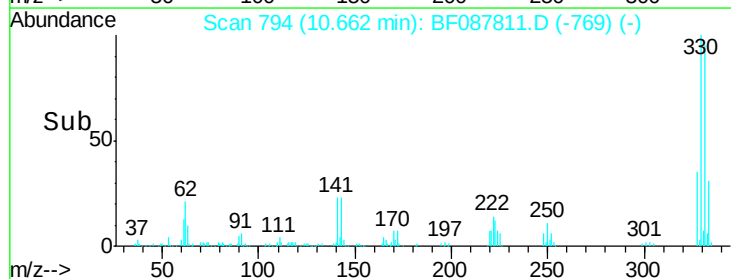
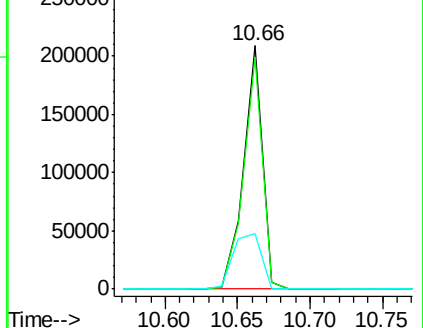
141 34.1 0.0 0.0#

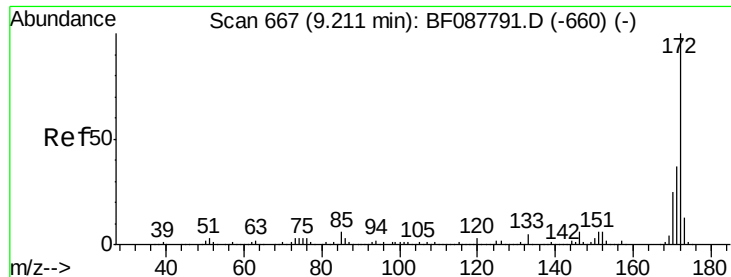


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

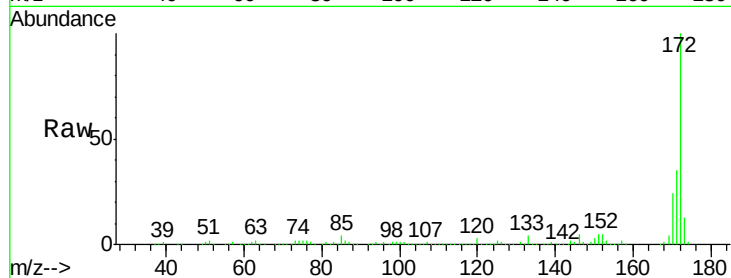




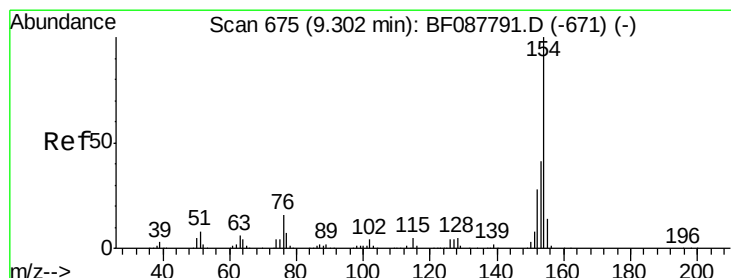
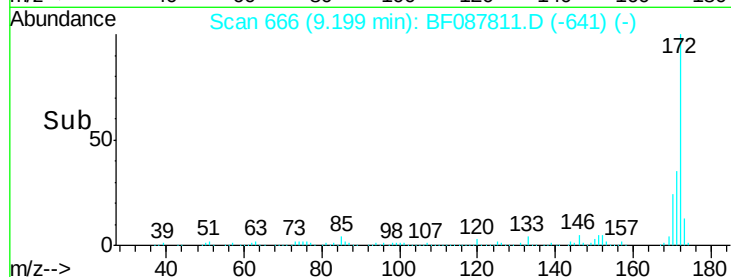
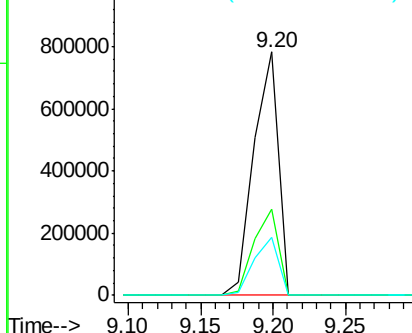
#44
 2-Fluorobiphenyl
 Concen: 75.97 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087811.D
 Acq: 8 Jun 2016 15:52

Instrument :
 BNA_F
 ClientSampleId :
 SS-16

Tgt Ion:172 Resp: 920168
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.6 19.2 28.8

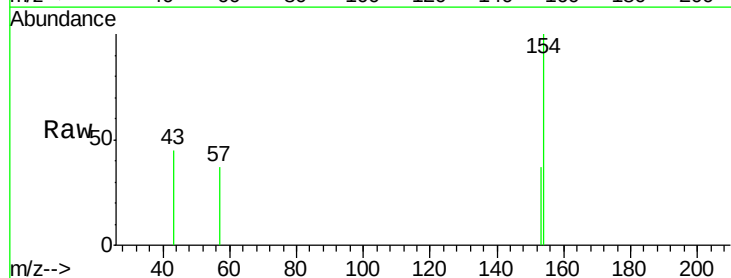


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

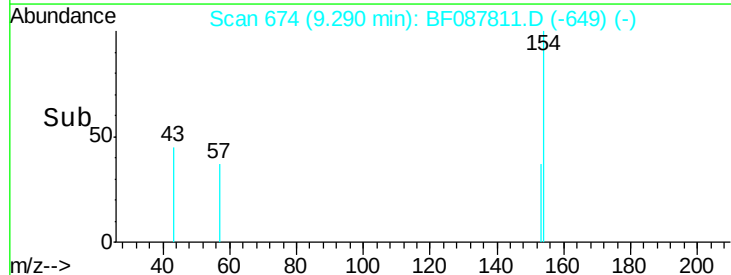
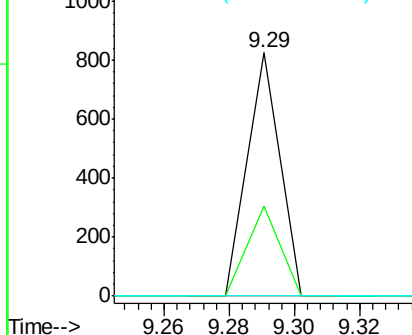


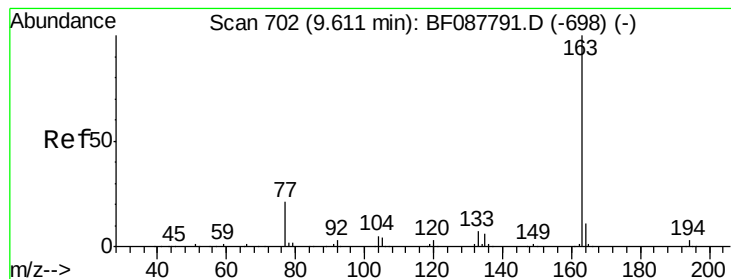
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.29 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF087811.D
 Acq: 8 Jun 2016 15:52

Tgt Ion:154 Resp: 566
 Ion Ratio Lower Upper
 154 100
 153 36.7 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: 6.61 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

Instrument :

BNA_F

ClientSampleId :

SS-16

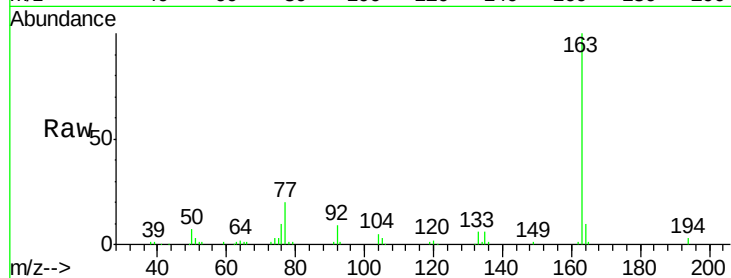
Tgt Ion:163 Resp: 90470

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

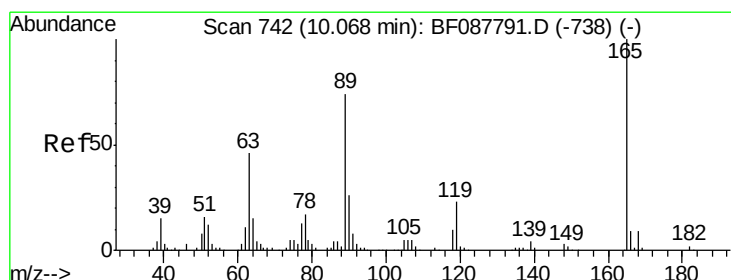
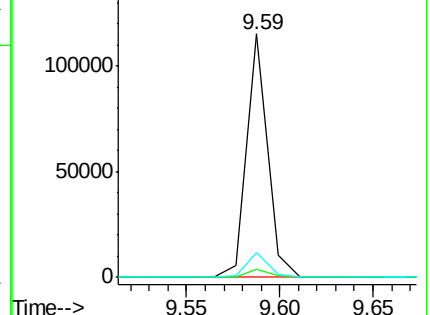
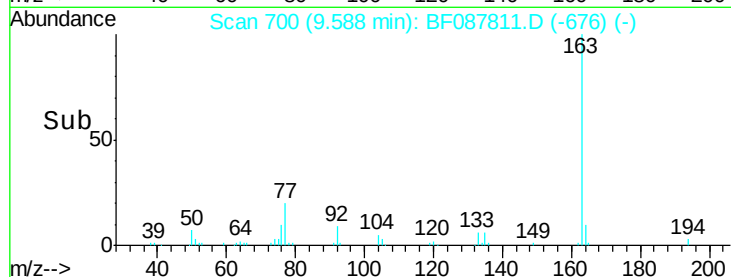
164 10.4 8.3 12.5



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: 5.85 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

Tgt Ion:165 Resp: 23550

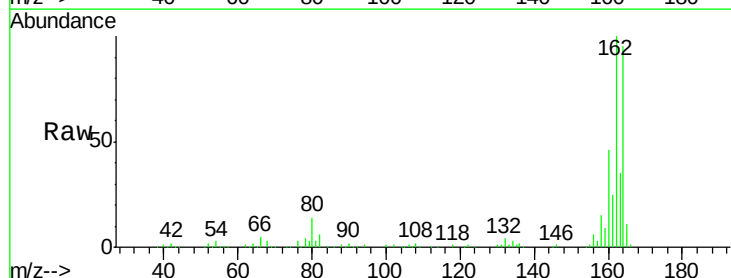
Ion Ratio Lower Upper

165 100

63 1.5 22.0 33.0#

89 1.6 41.1 61.7#

182 0.0 2.0 3.0#

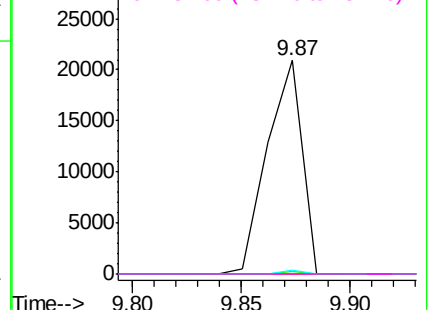
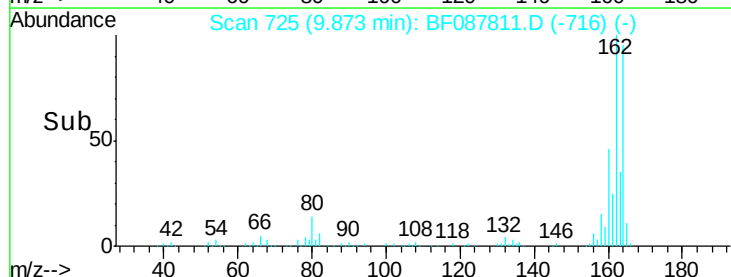


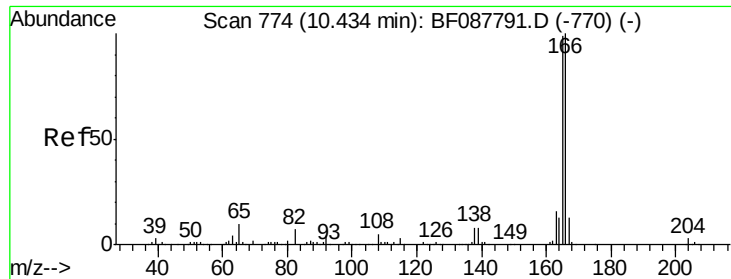
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.41 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

Instrument :

BNA_F

ClientSampleId :

SS-16

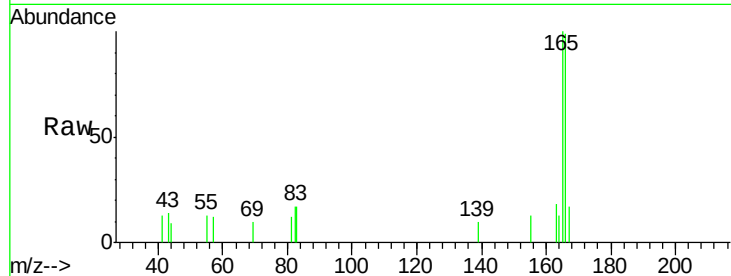
Tgt Ion:166 Resp: 3354

Ion Ratio Lower Upper

166 100

165 101.2 77.8 116.8

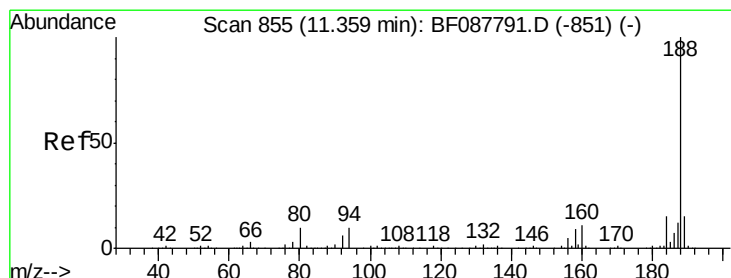
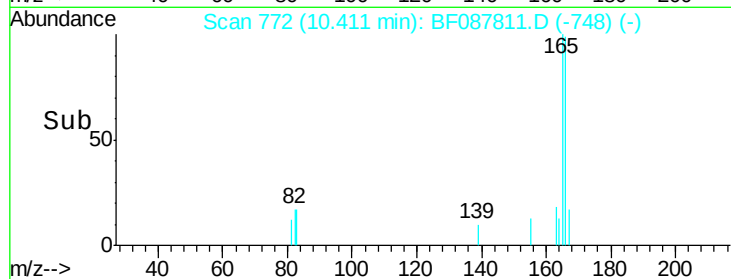
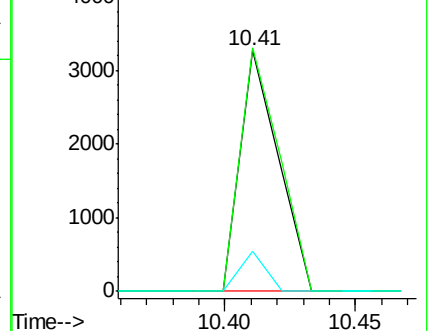
167 16.9 11.2 16.8#



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: 11.35 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

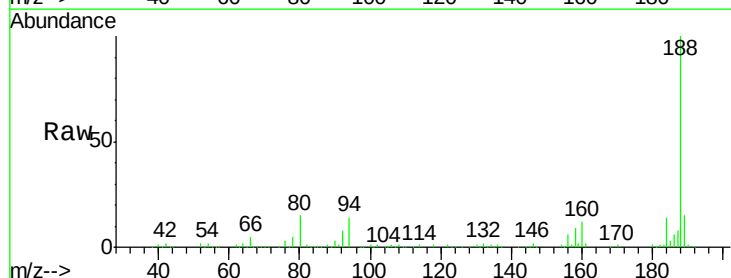
Tgt Ion:188 Resp: 306498

Ion Ratio Lower Upper

188 100

94 13.8 9.0 13.6#

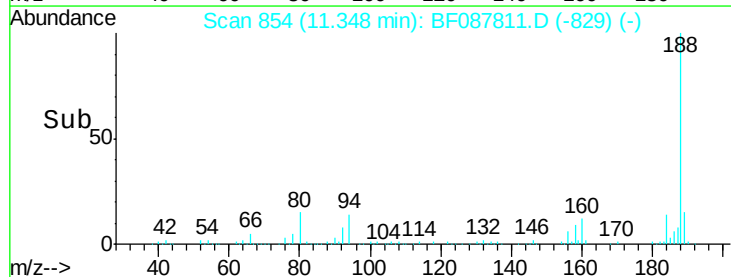
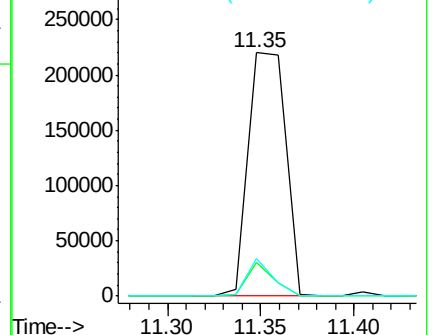
80 15.5 10.0 15.0#

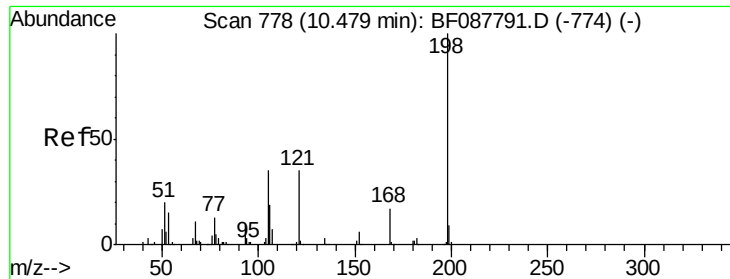


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.29 ng

RT: 10.66 min Scan# 794

Delta R.T. 0.18 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

Instrument :

BNA_F

ClientSampleId :

SS-16

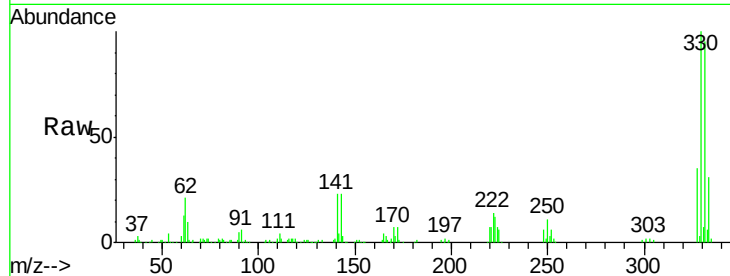
Tgt Ion:198 Resp: 265

Ion Ratio Lower Upper

198 100

51 107.2 39.6 79.6#

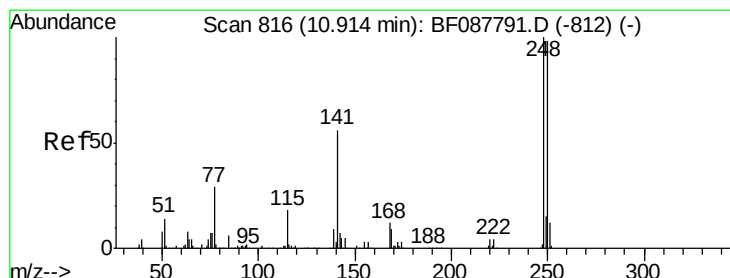
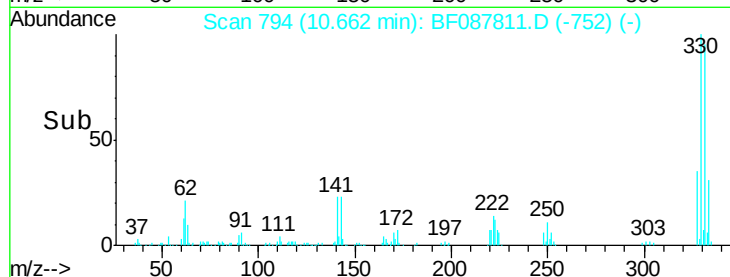
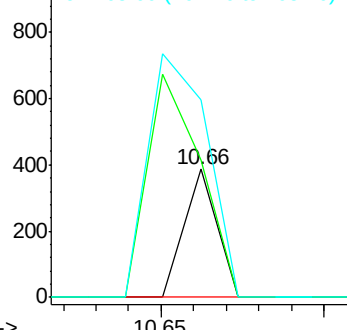
105 153.7 36.6 76.6#



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



#66

4-Bromophenyl-phenylether

Concen: 3.52 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.25 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

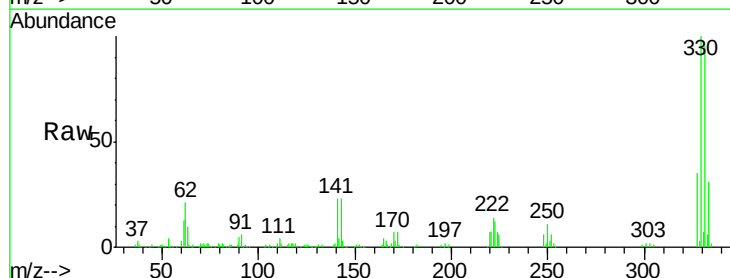
Tgt Ion:248 Resp: 11589

Ion Ratio Lower Upper

248 100

250 196.1 77.1 115.7#

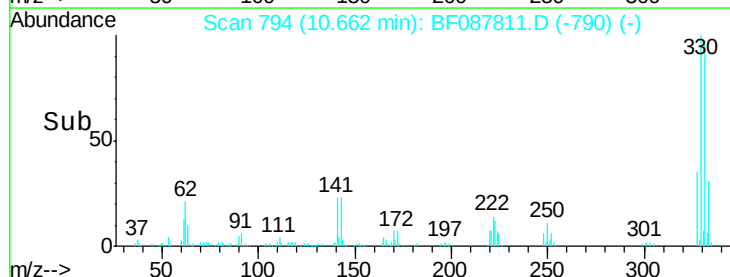
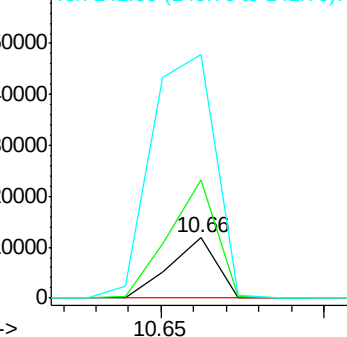
141 405.1 50.6 76.0#

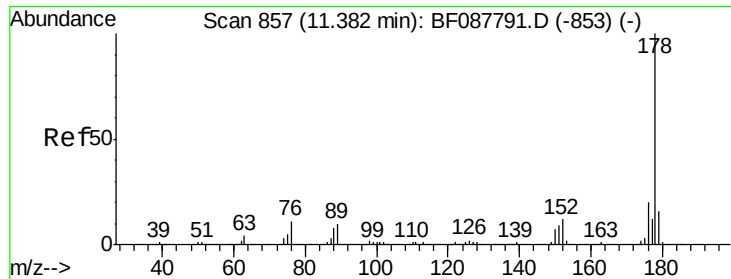


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

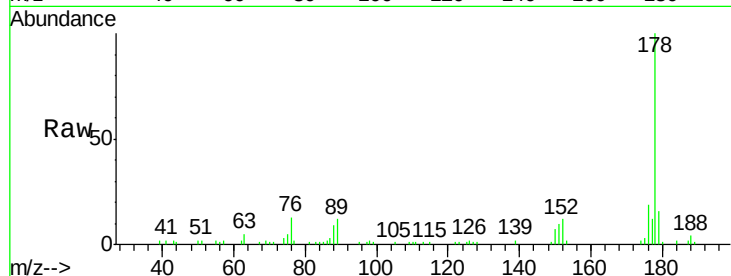




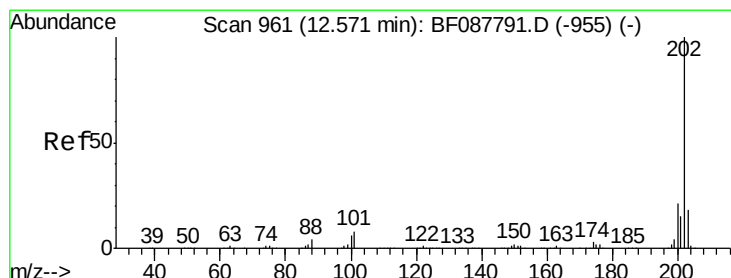
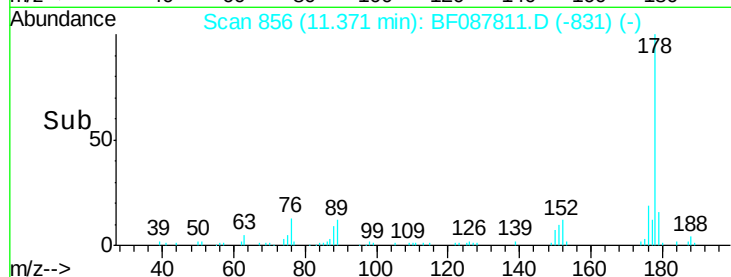
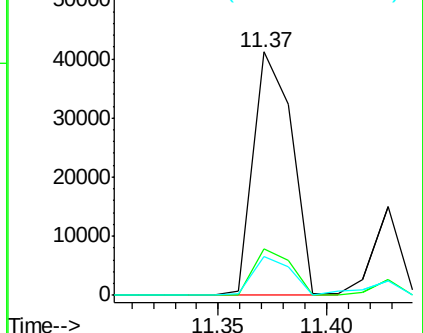
#70
Phenanthrene
Concen: 3.19 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087811.D
Acq: 8 Jun 2016 15:52

Instrument :
BNA_F
ClientSampled :
SS-16

Tgt Ion:178 Resp: 51290
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 16.1 13.0 19.4

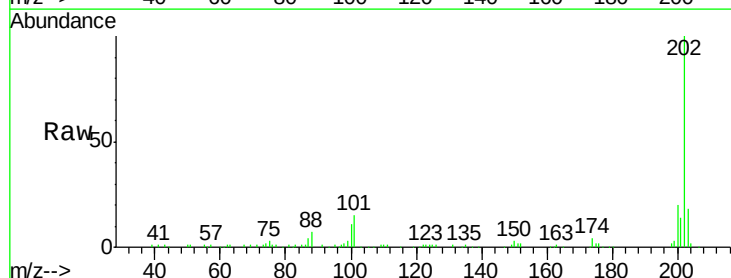


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

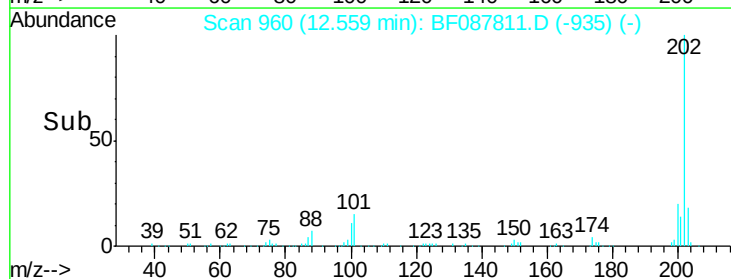
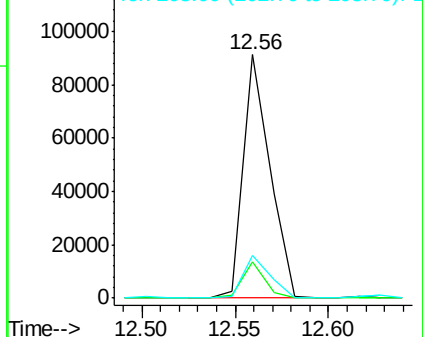


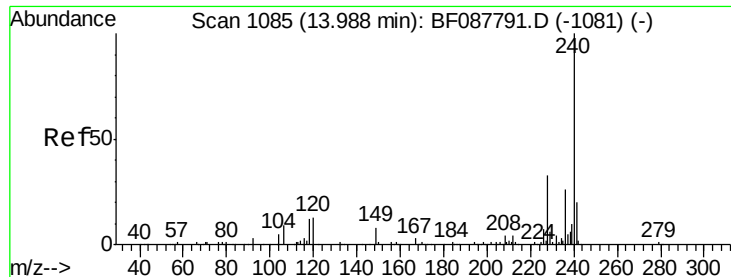
#74
Fluoranthene
Concen: 5.41 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF087811.D
Acq: 8 Jun 2016 15:52

Tgt Ion:202 Resp: 91835
Ion Ratio Lower Upper
202 100
101 14.6 0.0 33.1
203 17.6 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: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

Instrument :

BNA_F

ClientSampleId :

SS-16

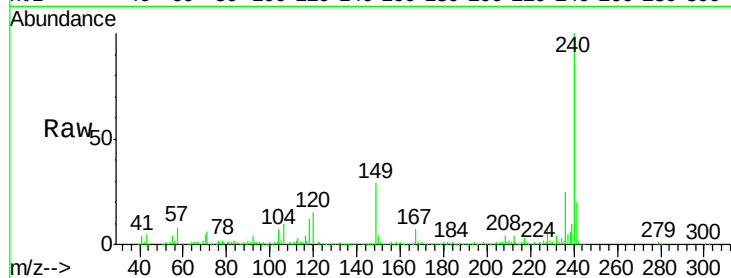
Tgt Ion:240 Resp: 210257

Ion Ratio Lower Upper

240 100

120 14.6 6.8 10.2#

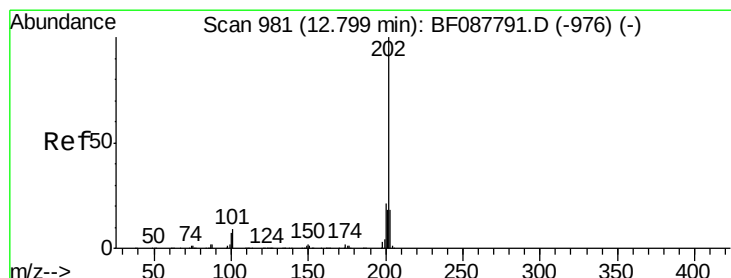
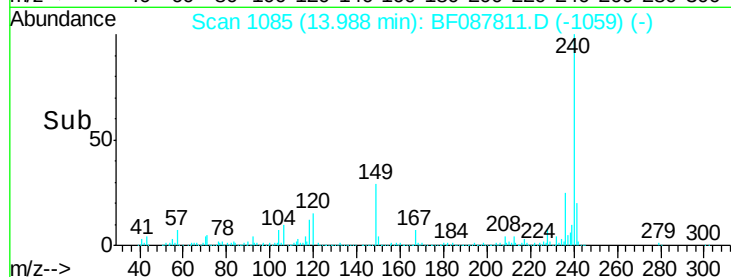
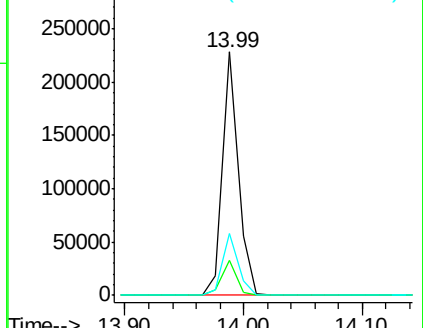
236 25.3 20.2 30.2



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



#77

Pyrene

Concen: 5.42 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

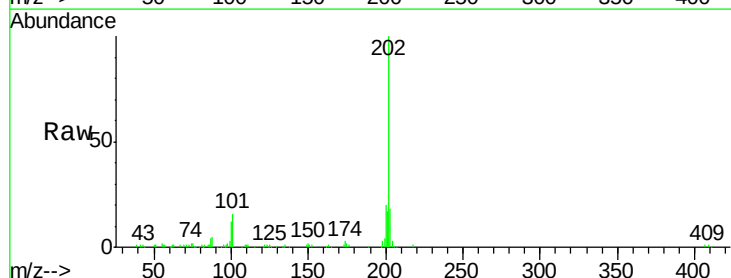
Tgt Ion:202 Resp: 84620

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

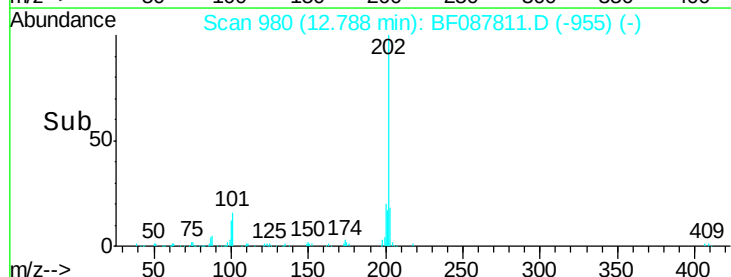
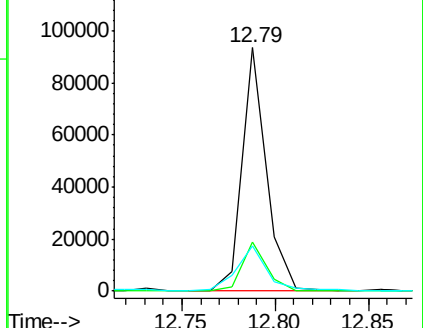
203 18.4 14.5 21.7

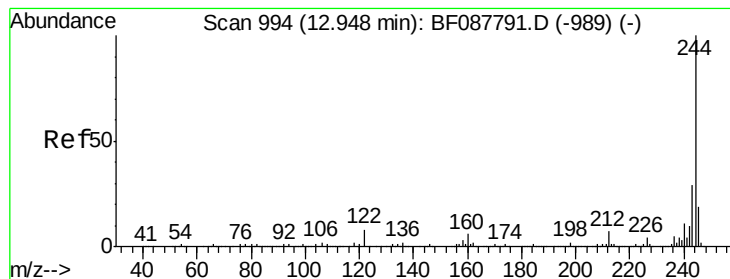


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.64 ng

RT: 12.95 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

Instrument :

BNA_F

ClientSampleId :

SS-16

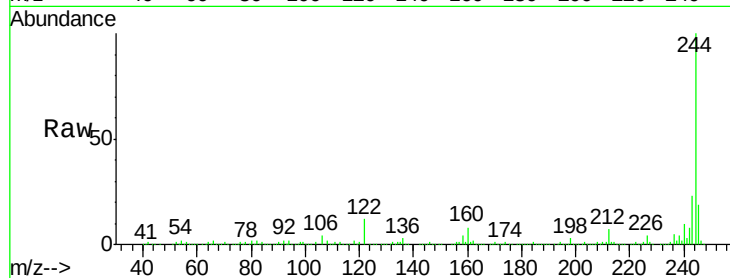
Tgt Ion:244 Resp: 625019

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

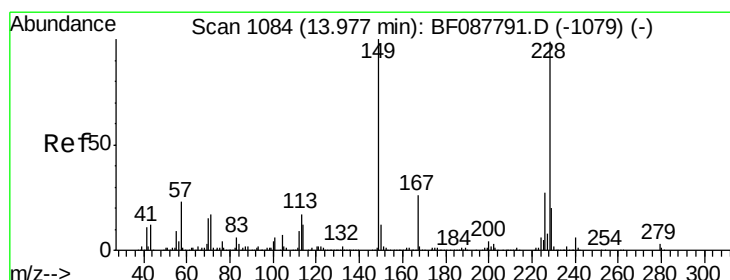
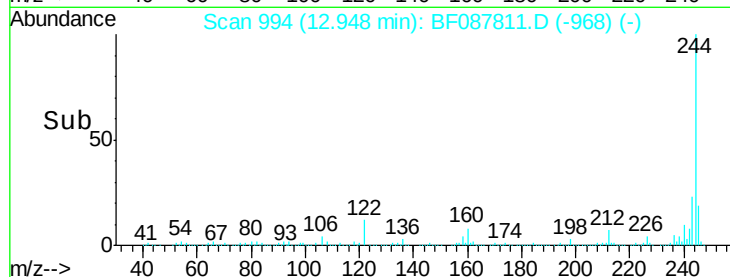
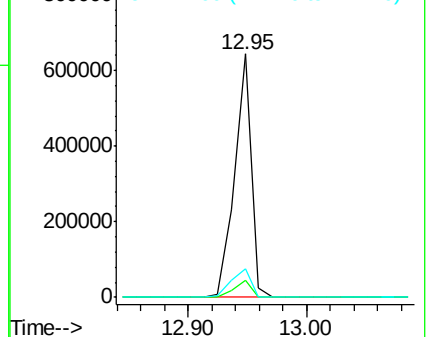
122 11.9 11.2 16.8



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: 4.16 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

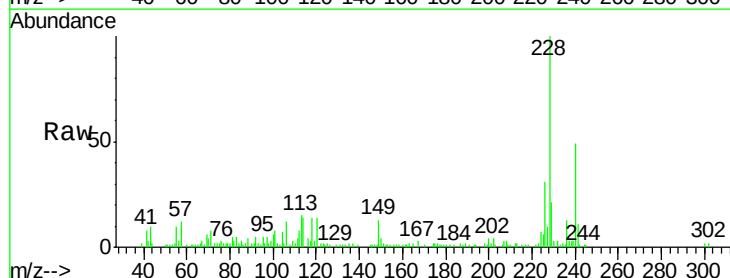
Tgt Ion:228 Resp: 49884

Ion Ratio Lower Upper

228 100

226 31.3 22.3 33.5

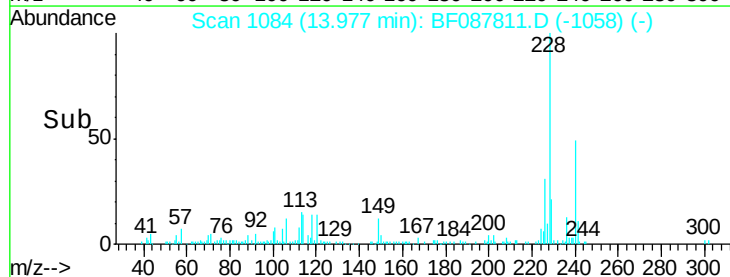
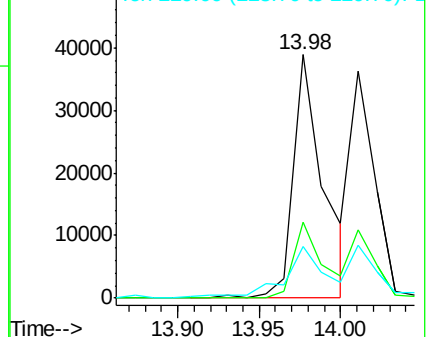
229 21.3 16.0 24.0

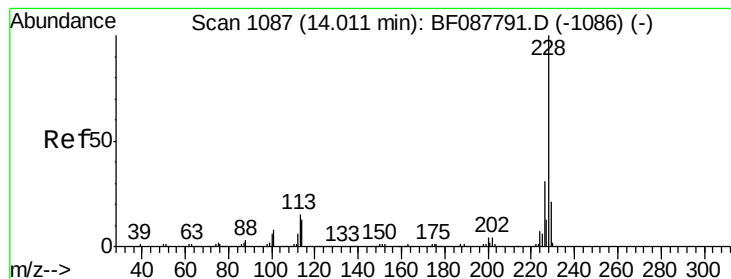


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.43 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

Instrument :

BNA_F

ClientSampled :

SS-16

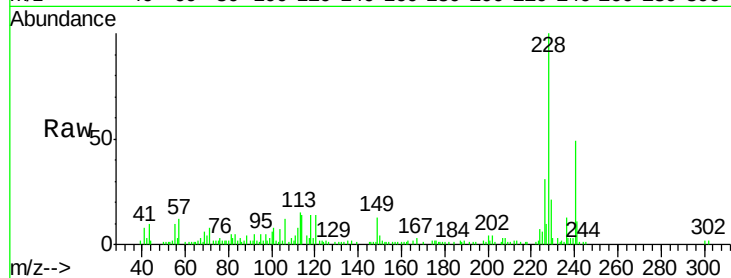
Tgt Ion:228 Resp: 49884

Ion Ratio Lower Upper

228 100

226 31.3 25.4 38.2

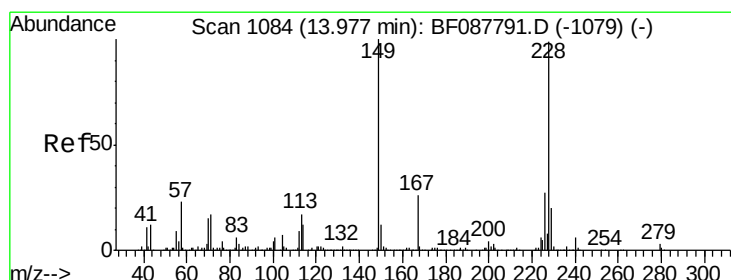
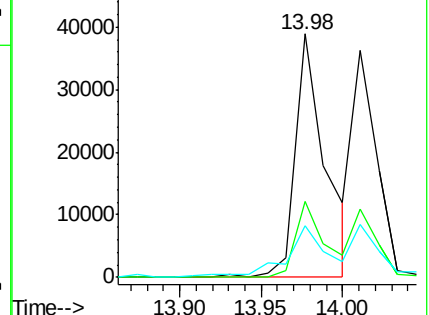
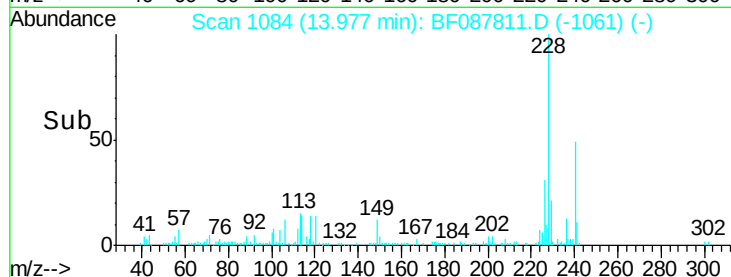
229 21.3 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 7.09 ng

RT: 13.99 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

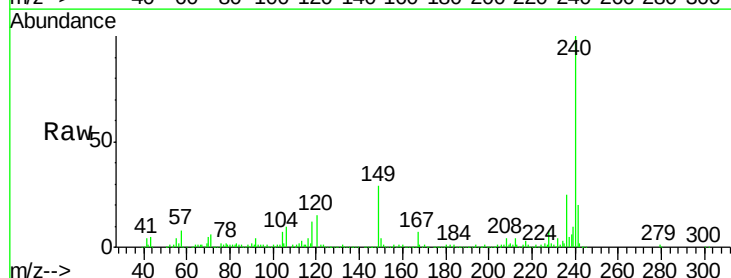
Tgt Ion:149 Resp: 59527

Ion Ratio Lower Upper

149 100

167 25.2 20.5 30.7

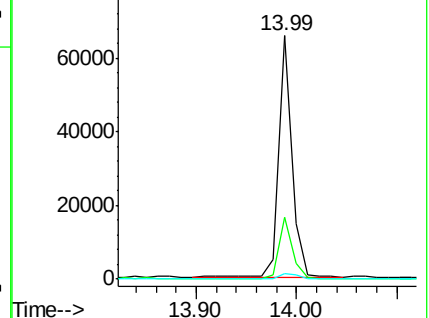
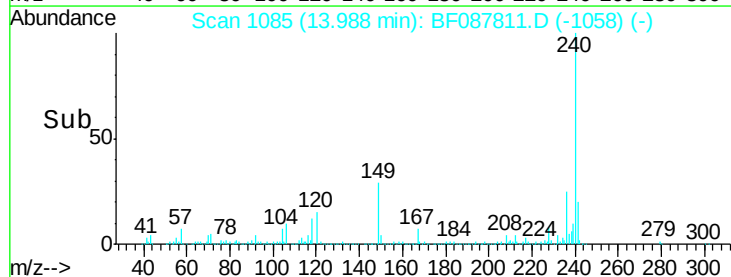
279 2.5 2.0 3.0

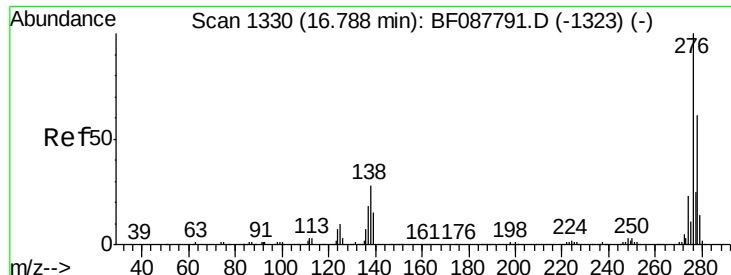


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

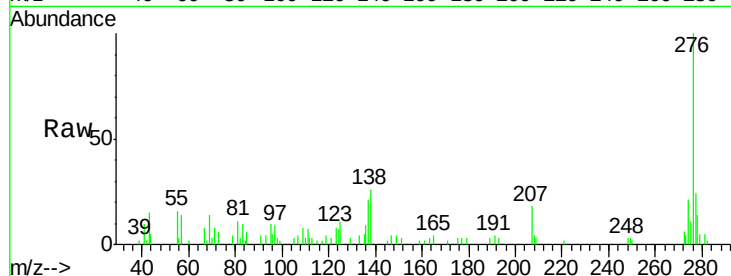




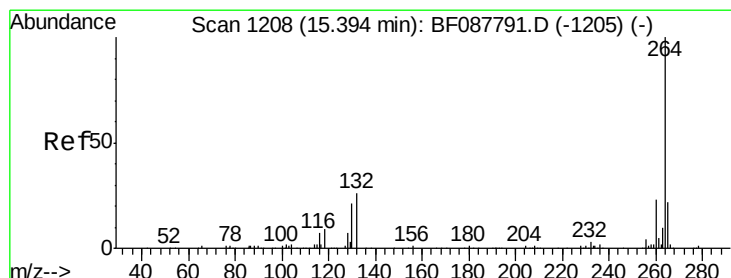
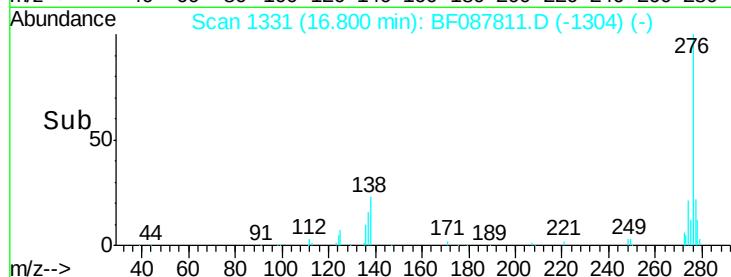
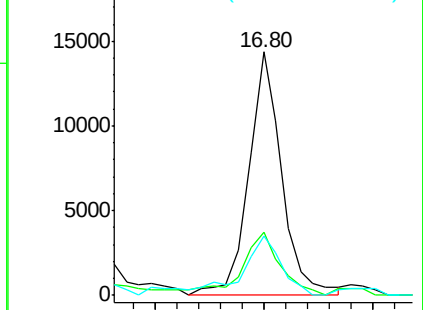
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.90 ng
 RT: 16.80 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF087811.D
 Acq: 8 Jun 2016 15:52

Instrument :
 BNA_F
 ClientSampleId :
 SS-16

Tgt Ion: 276 Resp: 30350
 Ion Ratio Lower Upper
 276 100
 138 30.7 0.0 0.0#
 277 28.3 0.0 0.0#

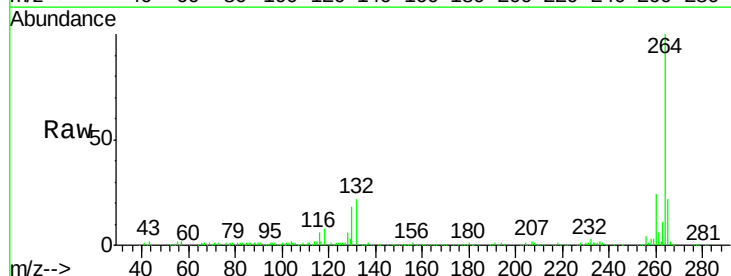


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

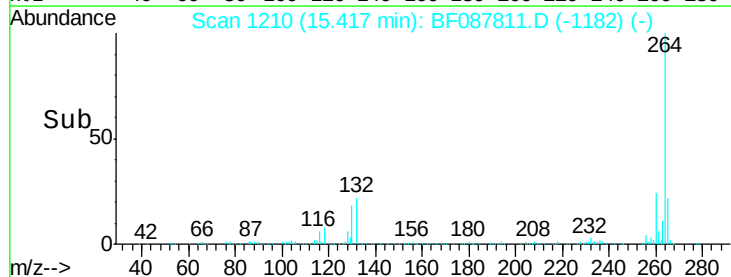
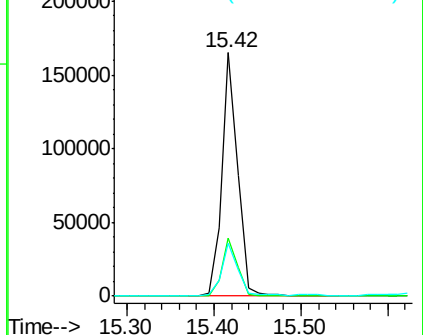


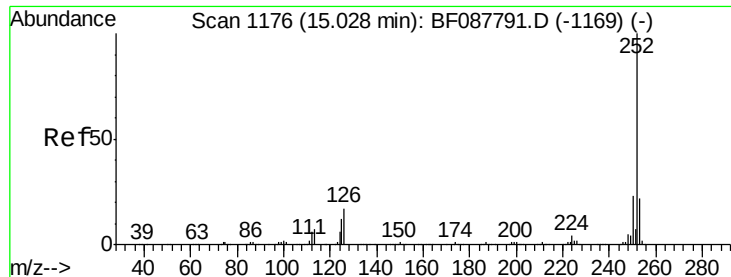
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: BF087811.D
 Acq: 8 Jun 2016 15:52

Tgt Ion: 264 Resp: 210337
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.7 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

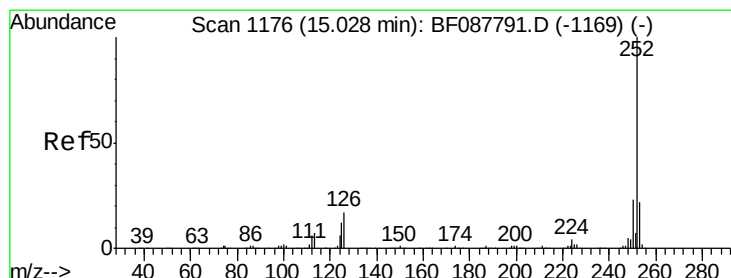
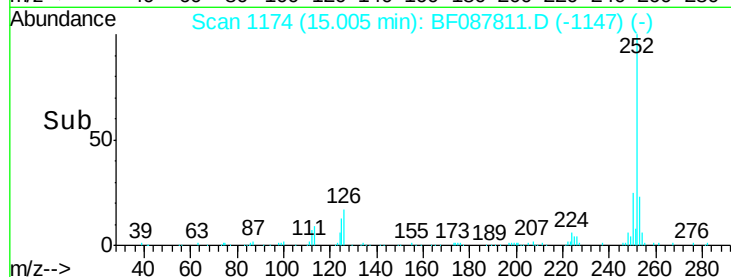
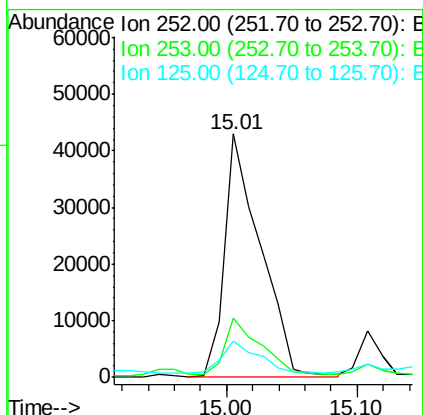
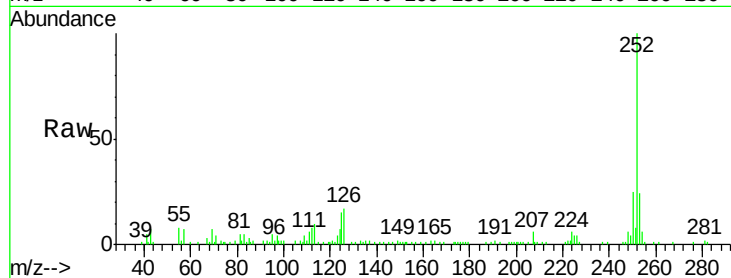




#87
Benzo(b)fluoranthene
Concen: 5.66 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087811.D
Acq: 8 Jun 2016 15:52

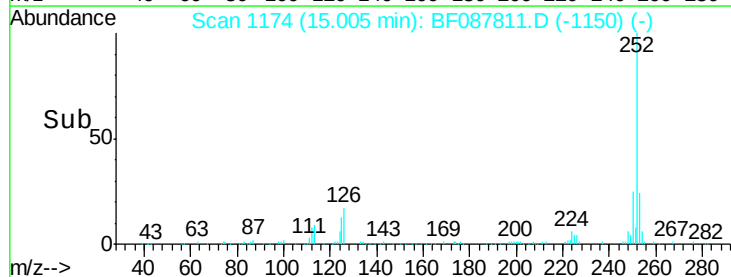
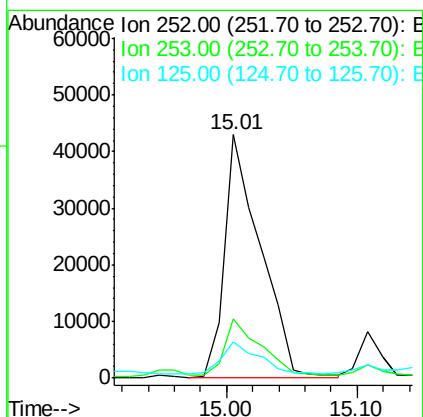
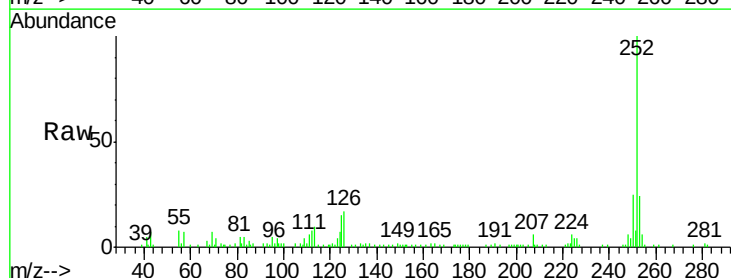
Instrument :
BNA_F
ClientSampleId :
SS-16

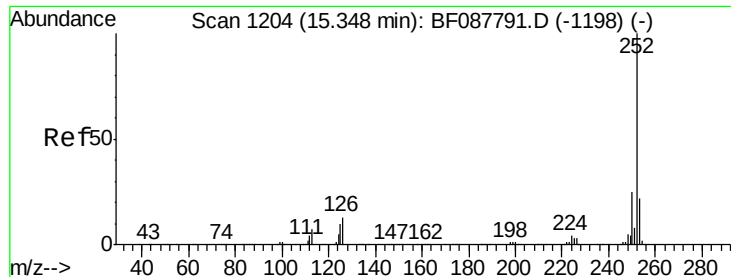
Tgt Ion:252 Resp: 82976
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 14.9 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 7.50 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087811.D
Acq: 8 Jun 2016 15:52

Tgt Ion:252 Resp: 82976
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 14.9 11.2 16.8





#89

Benzo(a)pyrene

Concen: 3.69 ng

RT: 15.36 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

Instrument :

BNA_F

ClientSampled :

SS-16

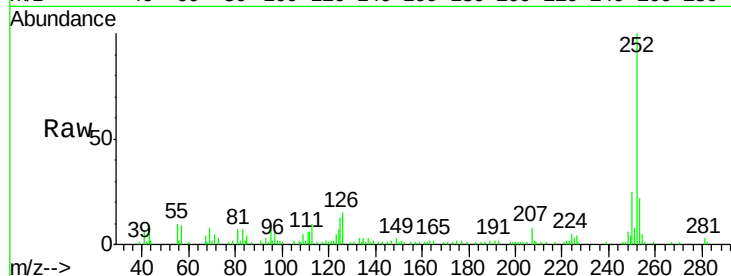
Tgt Ion:252 Resp: 43800

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

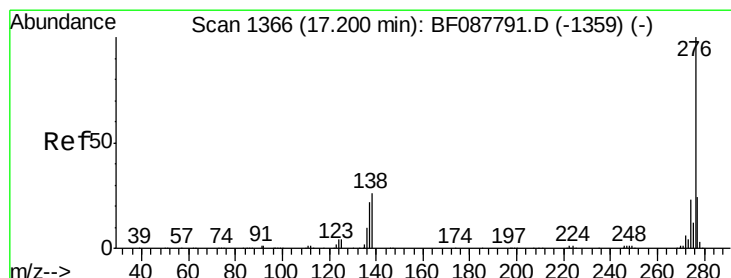
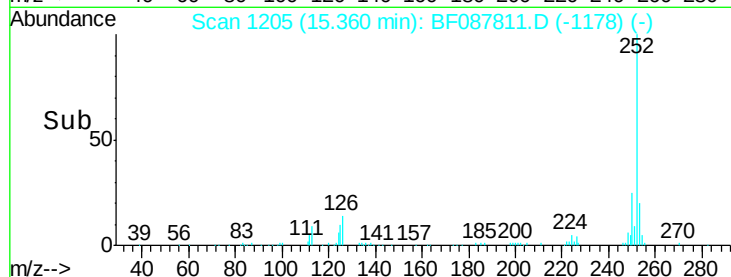
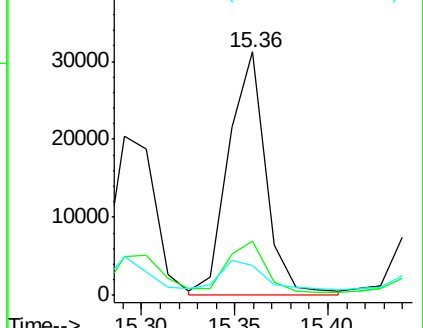
125 12.5 12.5 18.7



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



#91

Benzo(g,h,i)perylene

Concen: 2.39 ng

RT: 17.21 min Scan# 1367

Delta R.T. 0.01 min

Lab File: BF087811.D

Acq: 8 Jun 2016 15:52

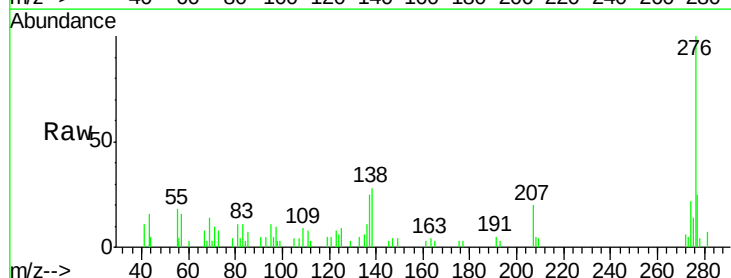
Tgt Ion:276 Resp: 27106

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 28.1 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

