

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042716\
 Data File : BF086438.D
 Acq On : 27 Apr 2016 22:01
 Operator : UM/SJ
 Sample : H2741-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Apr 28 00:58:45 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

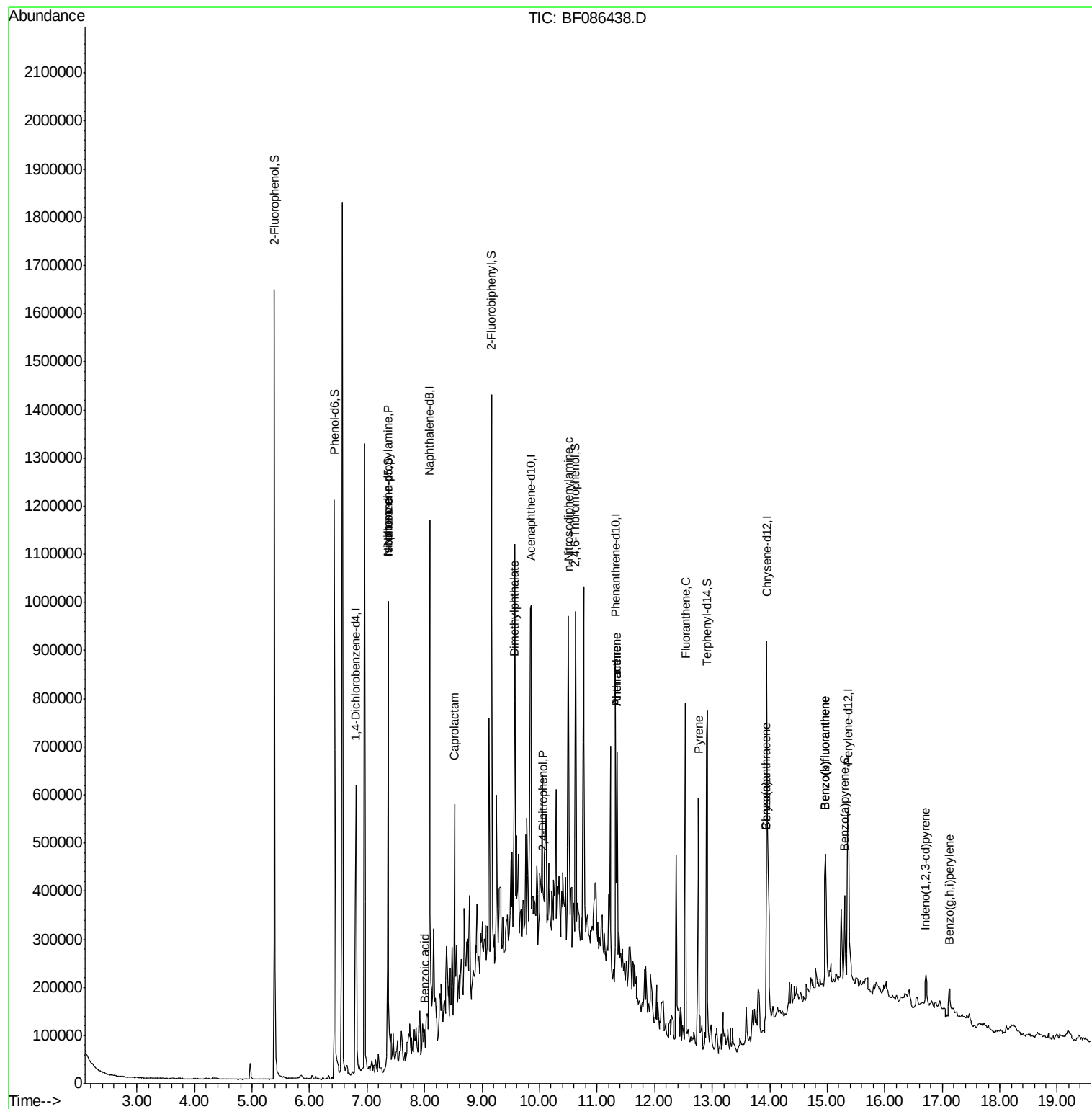
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	113977	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	454077	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	178300	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	270810	20.00	ng	0.00
75) Chrysene-d12	13.95	240	252285	20.00	ng	-0.01
86) Perylene-d12	15.37	264	231470	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	410794	62.17	ng	0.00
7) Phenol-d6	6.43	99	532845	57.78	ng	-0.01
23) Nitrobenzene-d5	7.37	82	342747	40.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	81025	43.09	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	489251	41.53	ng	-0.01
78) Terphenyl-d14	12.91	244	330843	28.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	48899	8.02	ng	# 79
25) Isophorone	7.37	82	274863	16.95	ng	# 69
32) Benzoic acid	8.01	122	302	8.84	ng	# 15
35) Caprolactam	8.52	113	8697	4.41	ng	# 1
49) Dimethylphthalate	9.56	163	111954	8.34	ng	# 99
53) 2,4-Dinitrophenol	10.06	184	217	7.96	ng	# 1
65) n-Nitrosodiphenylamine	10.50	169	26006	3.07	ng	# 56
70) Phenanthrene	11.35	178	166900	11.74	ng	99
71) Anthracene	11.35	178	166900	11.00	ng	99
74) Fluoranthene	12.53	202	322746	22.50	ng	93
77) Pyrene	12.76	202	274677	15.11	ng	98
80) Benzo(a)anthracene	13.94	228	147518	10.97	ng	98
82) Chrysene	13.94	228	147518	10.09	ng	97
85) Indeno(1,2,3-cd)pyrene	16.72	276	50511	4.66	ng	94
87) Benzo(b)fluoranthene	14.97	252	235138	17.27	ng	98
88) Benzo(k)fluoranthene	14.97	252	235138	16.55	ng	97
89) Benzo(a)pyrene	15.30	252	107648	8.37	ng	# 93
91) Benzo(g,h,i)perylene	17.13	276	44409	4.21	ng	94

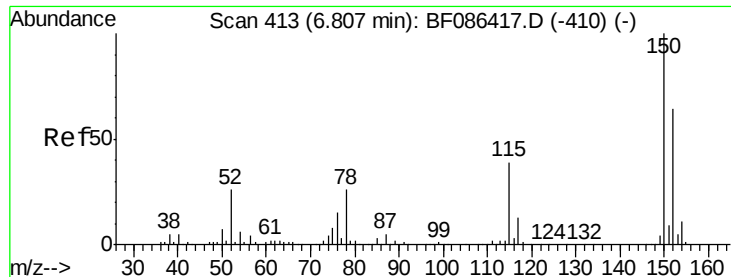
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

Instrument :

BNA_F

ClientSampleId :

WC-1

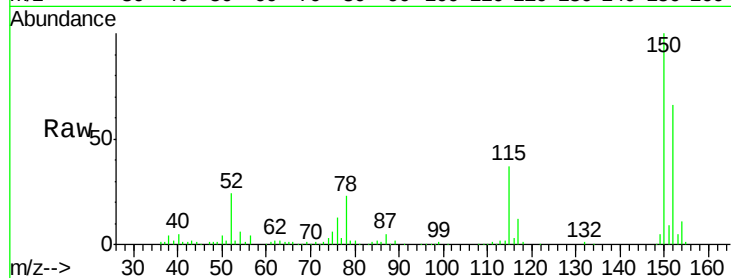
Tgt Ion:152 Resp: 113977

Ion Ratio Lower Upper

152 100

150 152.5 125.8 188.6

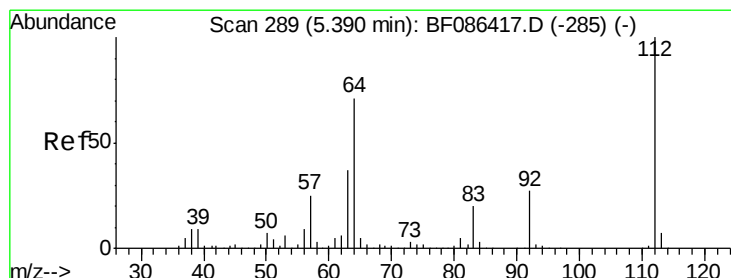
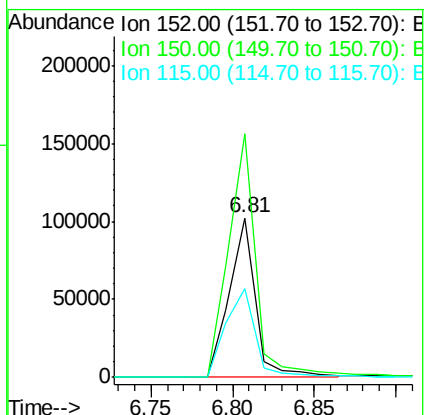
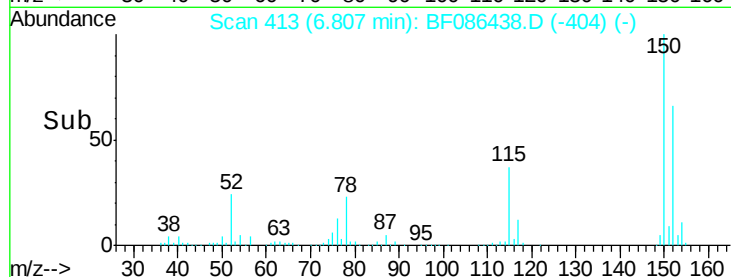
115 55.7 51.5 77.3



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: 62.17 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.00 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

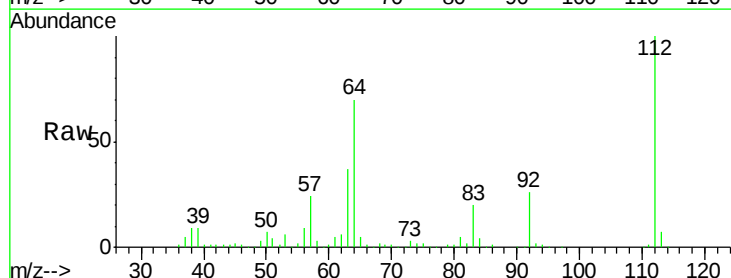
Tgt Ion:112 Resp: 410794

Ion Ratio Lower Upper

112 100

64 69.9 52.1 78.1

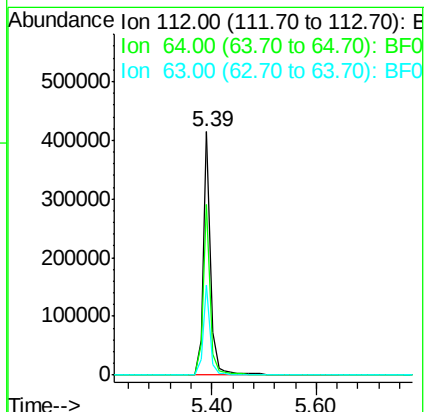
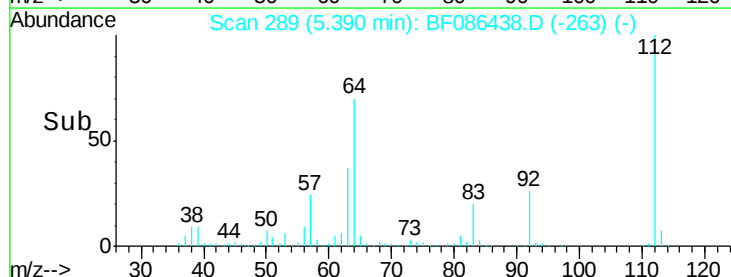
63 36.9 25.7 38.5

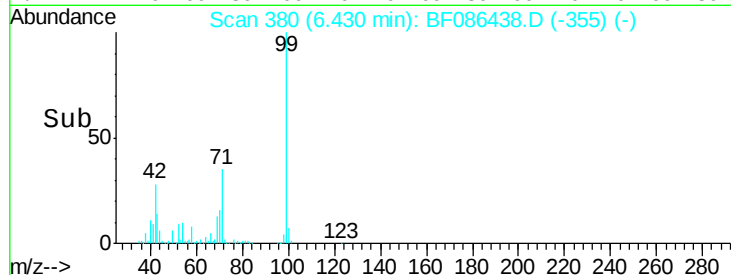
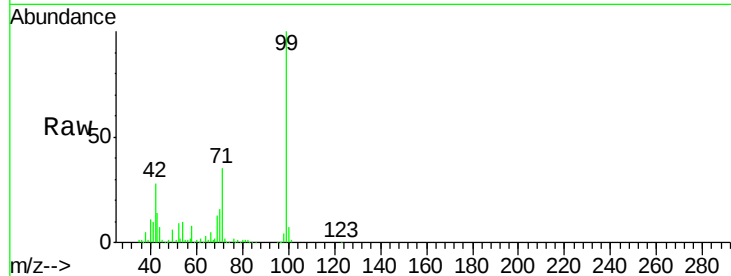
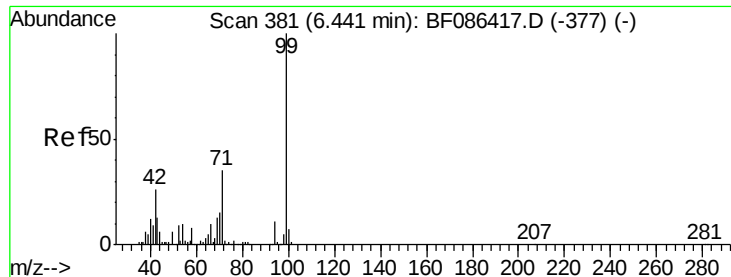


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 57.78 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

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Acq: 27 Apr 2016 22:01

Instrument :

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ClientSampleId :

WC-1

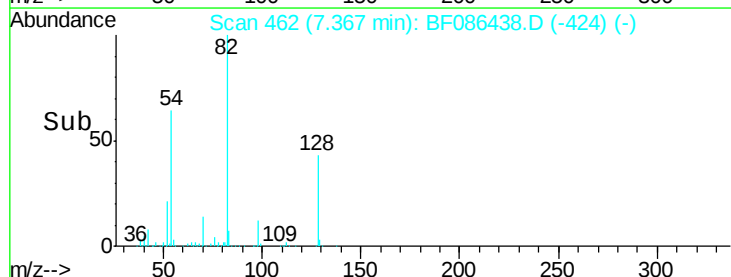
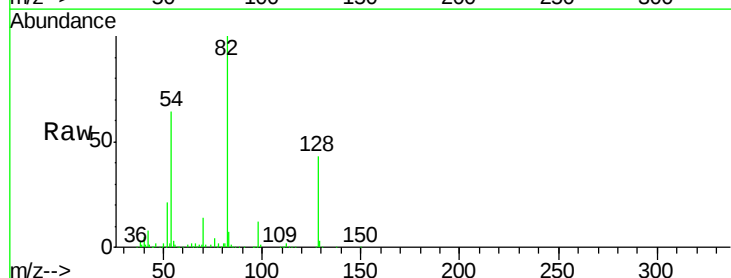
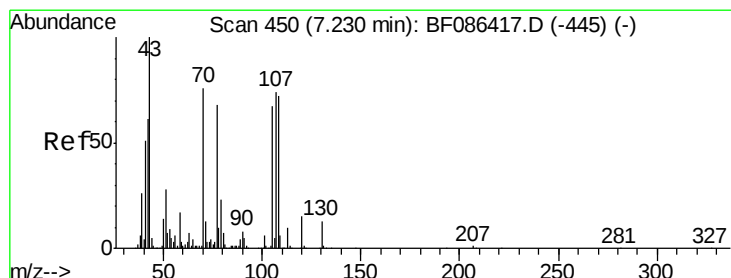
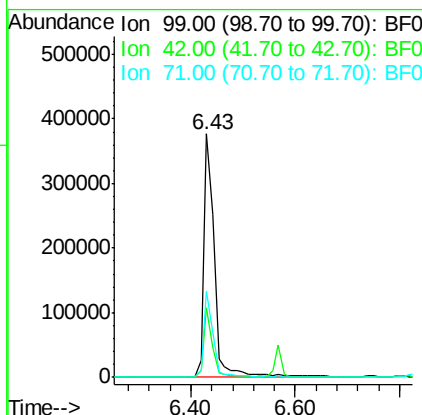
Tgt Ion: 99 Resp: 532845

Ion Ratio Lower Upper

99 100

42 28.5 13.6 20.4#

71 35.3 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 8.02 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

Tgt Ion: 70 Resp: 48899

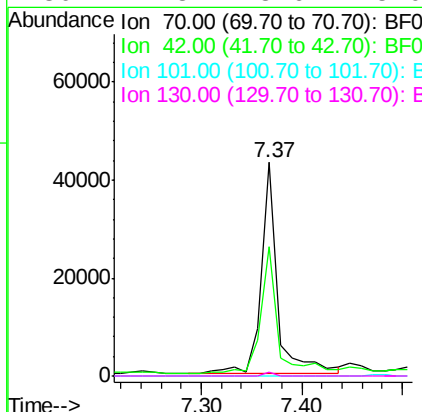
Ion Ratio Lower Upper

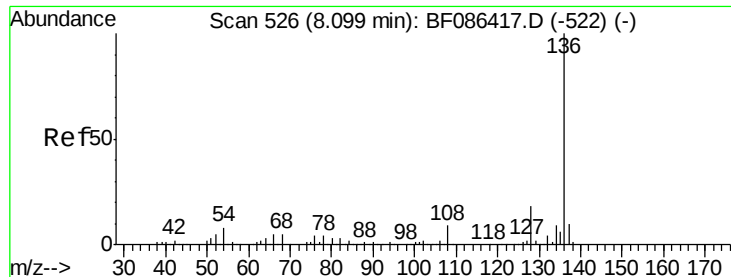
70 100

42 60.5 43.1 64.7

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:136 Resp: 454077

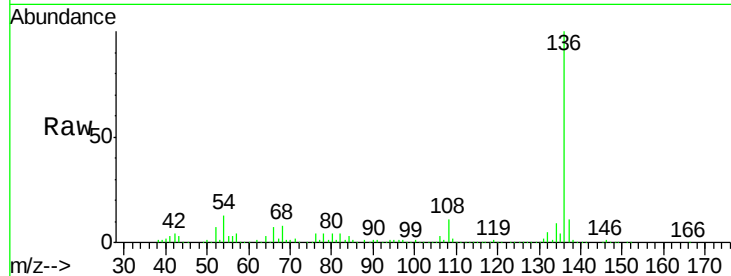
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 13.4 5.0 7.4#

68 7.8 4.4 6.6#

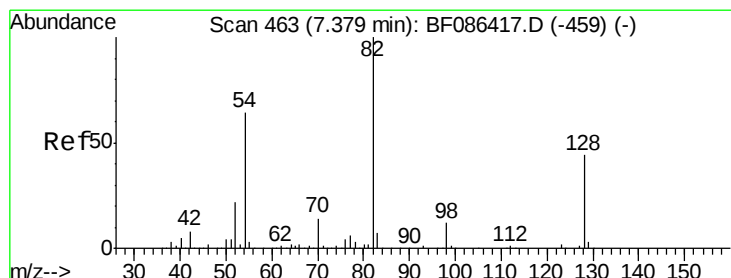
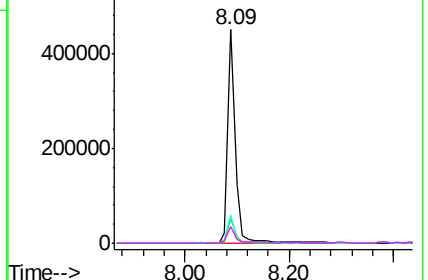
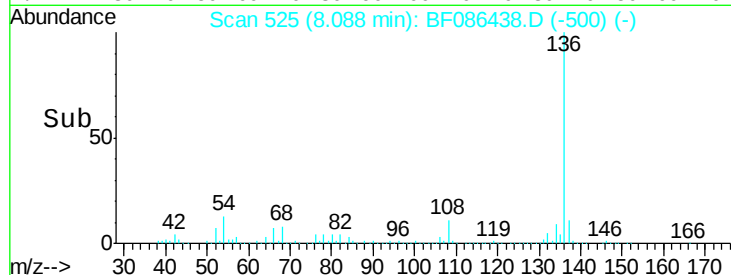


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.69 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

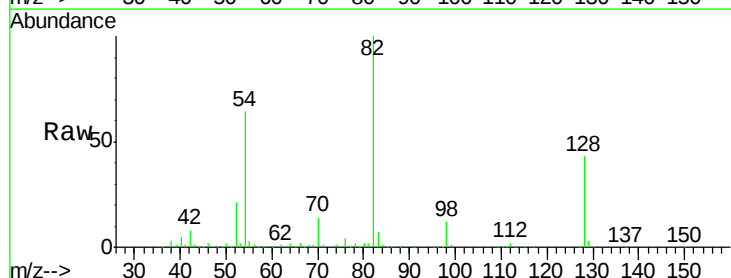
Tgt Ion: 82 Resp: 342747

Ion Ratio Lower Upper

82 100

128 42.7 40.6 61.0

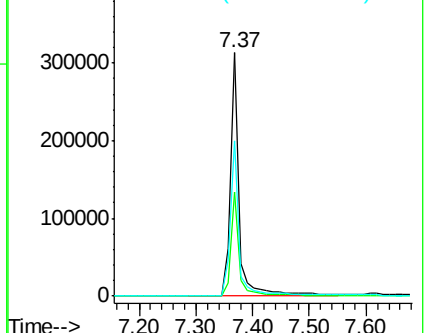
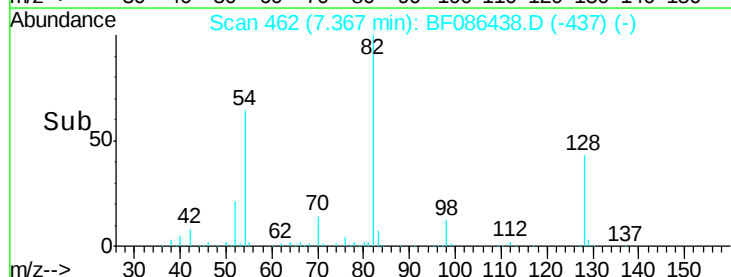
54 63.9 38.1 57.1#

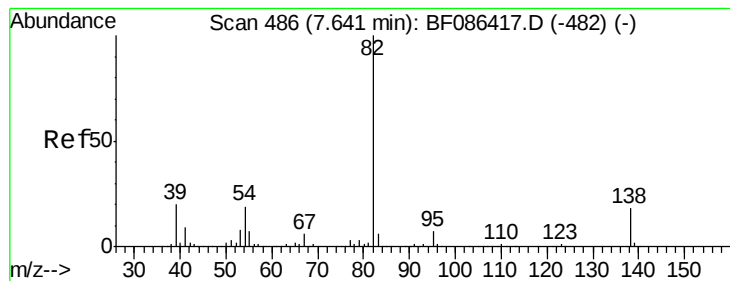


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 16.95 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.27 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

Instrument :

BNA_F

ClientSampleId :

WC-1

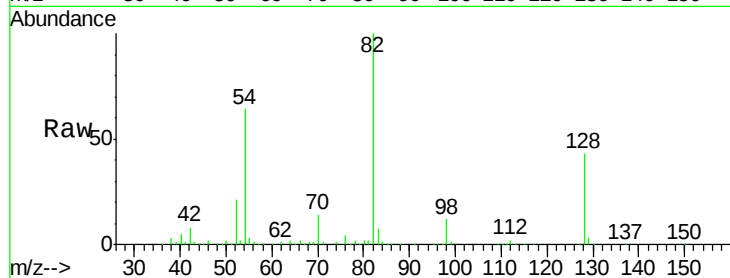
Tgt Ion: 82 Resp: 274863

Ion Ratio Lower Upper

82 100

95 0.3 5.1 7.7#

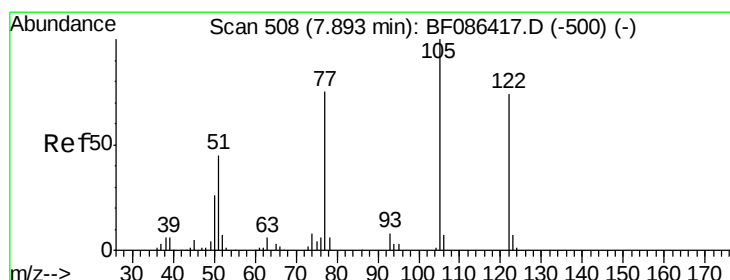
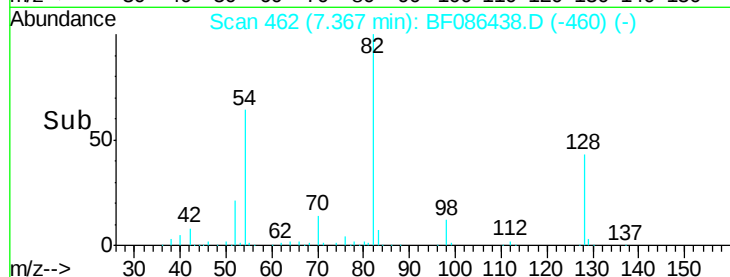
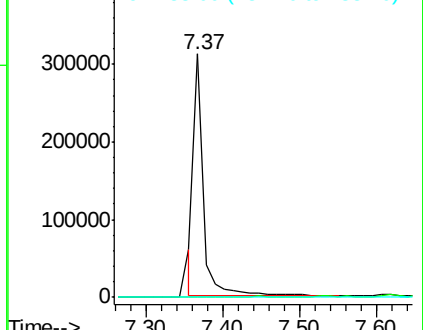
138 0.0 12.4 18.6#



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



#32

Benzoic acid

Concen: 8.84 ng

RT: 8.01 min Scan# 518

Delta R.T. 0.12 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

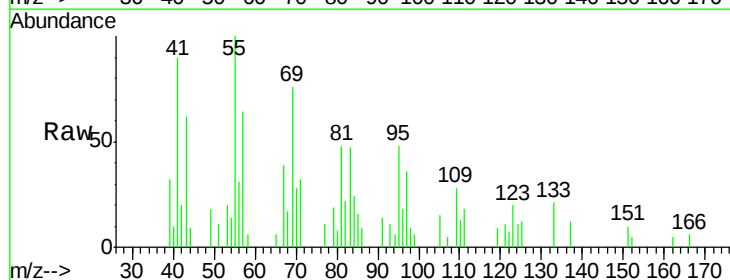
Tgt Ion: 122 Resp: 302

Ion Ratio Lower Upper

122 100

105 208.4 92.6 132.6#

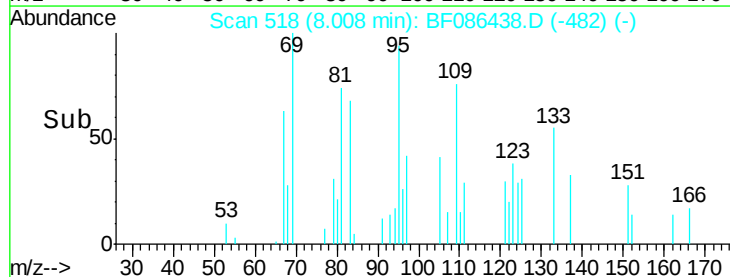
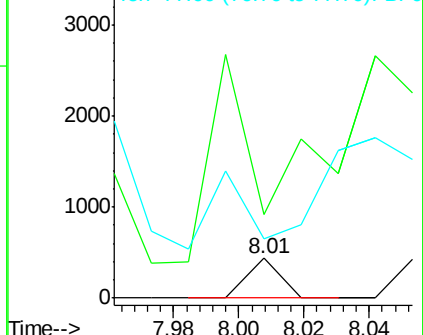
77 148.6 60.0 100.0#

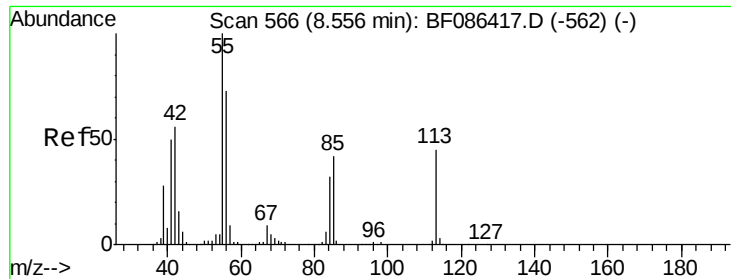


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

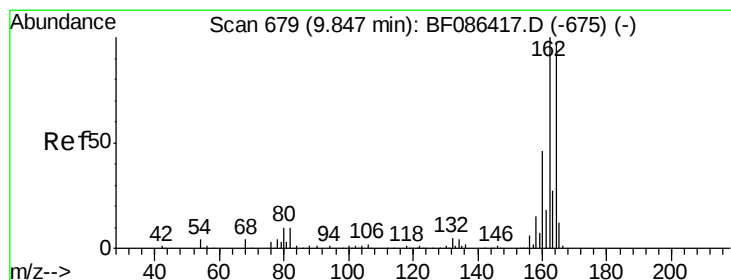
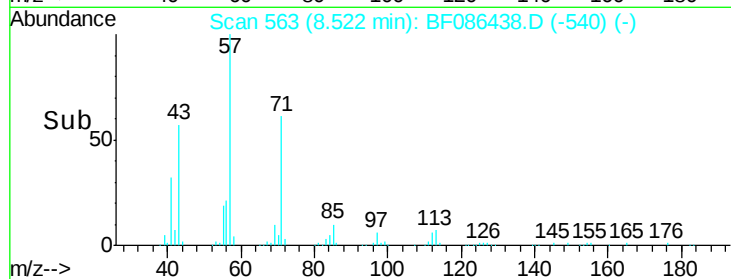
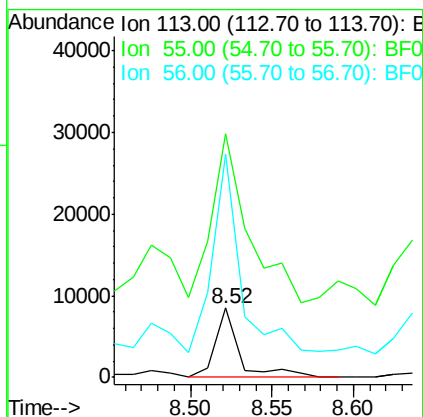
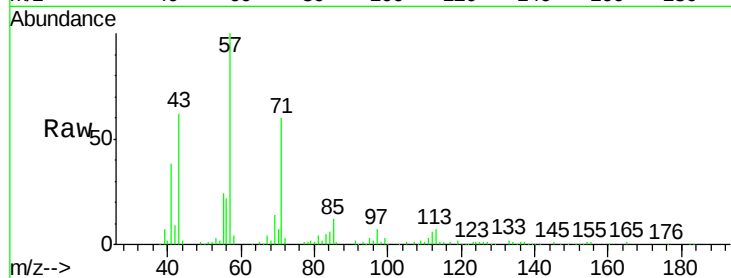




#35
 Caprolactam
 Concen: 4.41 ng
 RT: 8.52 min Scan# 563
 Delta R.T. -0.03 min
 Lab File: BF086438.D
 Acq: 27 Apr 2016 22:01

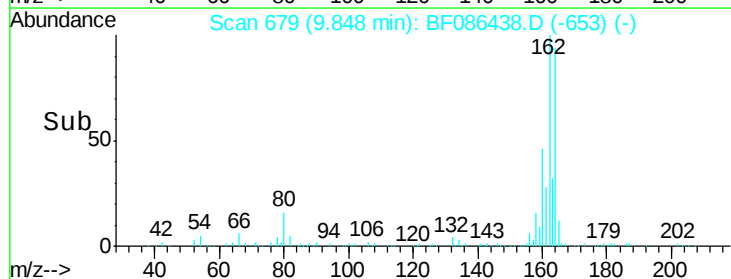
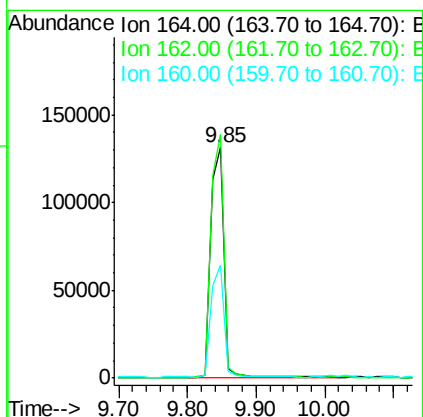
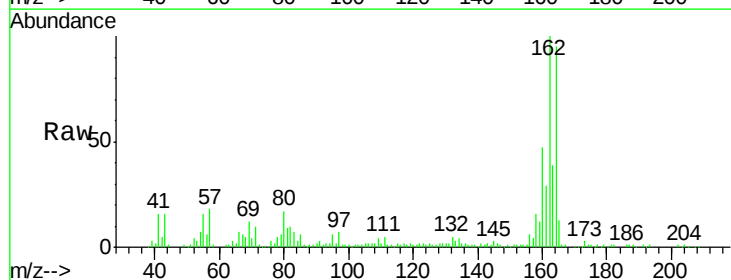
Instrument :
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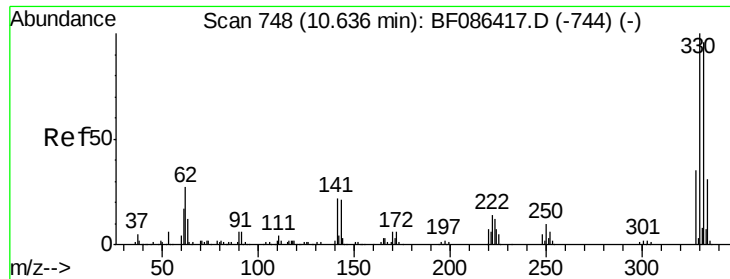
Tgt Ion:113 Resp: 8697
 Ion Ratio Lower Upper
 113 100
 55 351.0 162.0 202.0#
 56 321.3 115.3 155.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF086438.D
 Acq: 27 Apr 2016 22:01

Tgt Ion:164 Resp: 178300
 Ion Ratio Lower Upper
 164 100
 162 105.7 82.8 124.2
 160 49.3 36.9 55.3

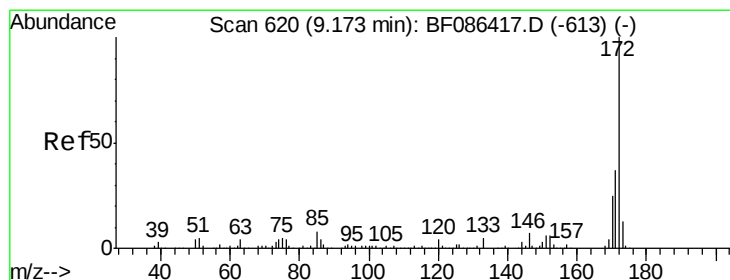
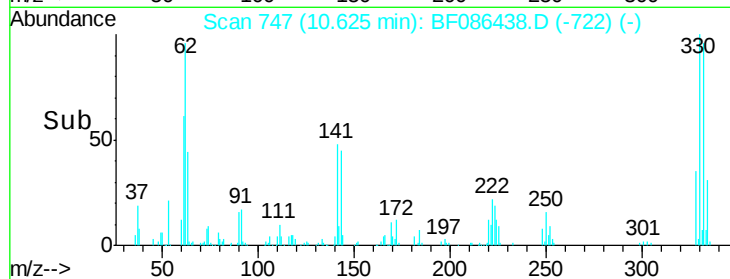
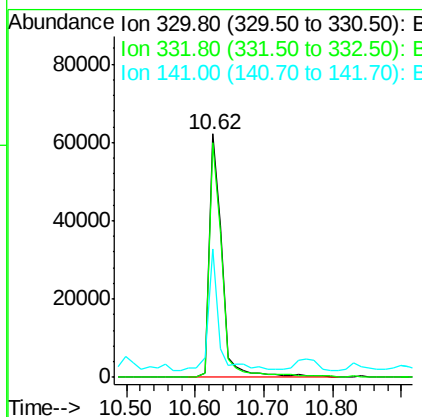
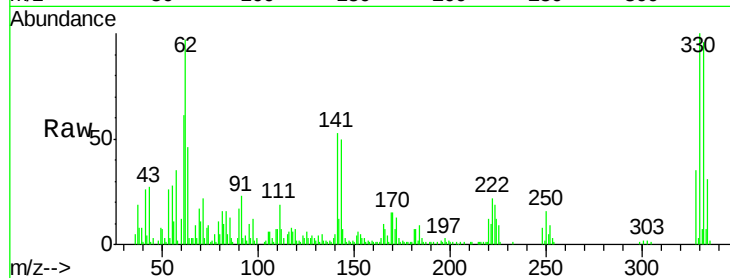




#41
 2,4,6-Tribromophenol
 Concen: 43.09 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF086438.D
 Acq: 27 Apr 2016 22:01

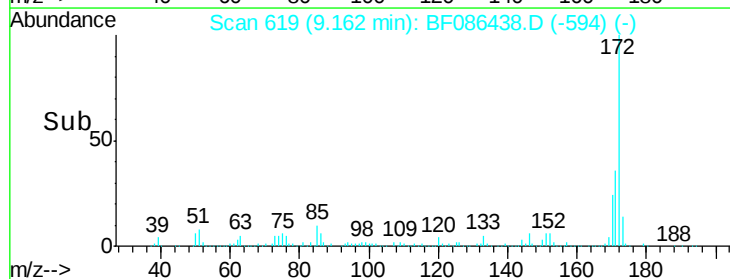
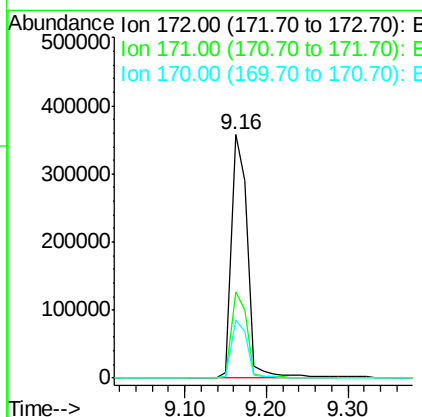
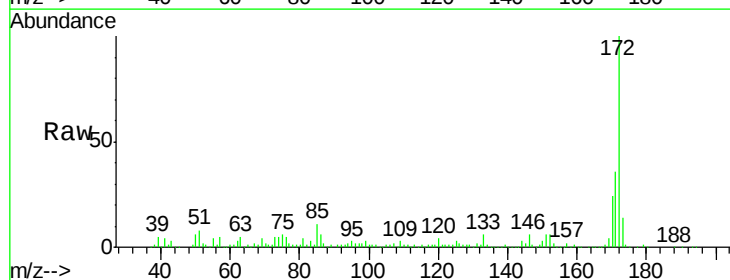
Instrument :
 BNA_F
 ClientSampled :
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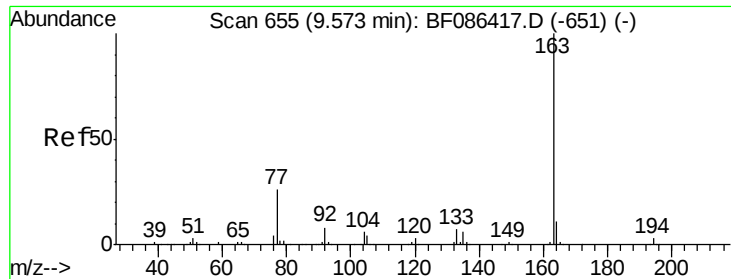
Tgt Ion:330 Resp: 81025
 Ion Ratio Lower Upper
 330 100
 332 96.3 79.0 118.4
 141 39.3 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 41.53 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF086438.D
 Acq: 27 Apr 2016 22:01

Tgt Ion:172 Resp: 489251
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.0 43.6
 170 23.7 19.8 29.8

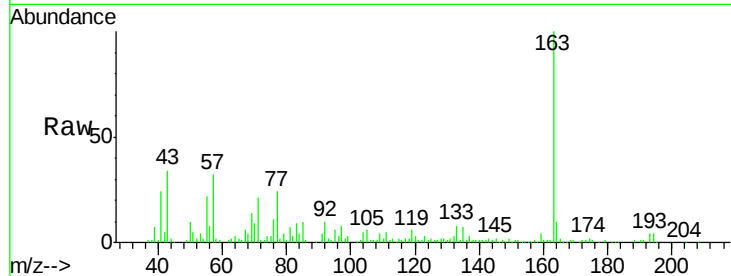




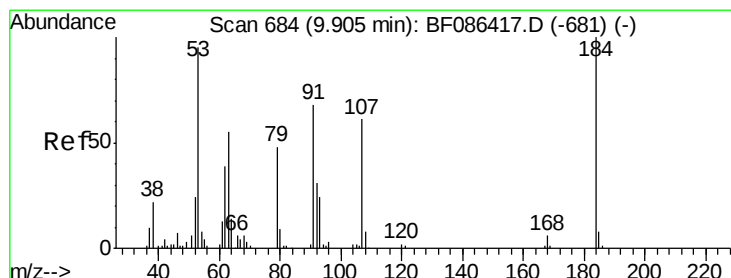
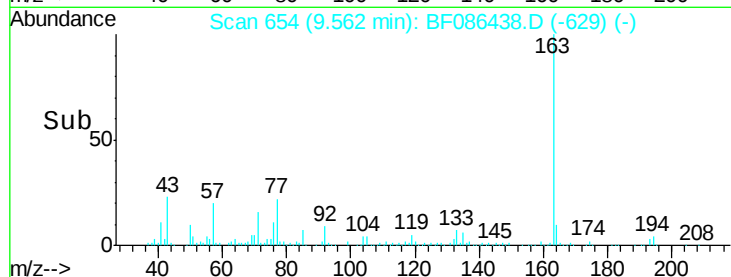
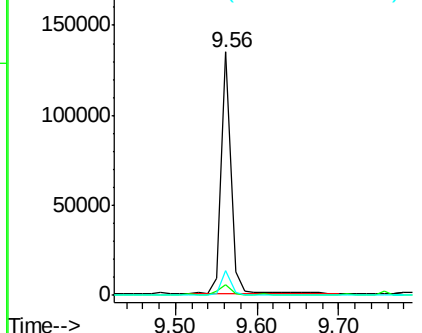
#49
Dimethylphthalate
Concen: 8.34 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086438.D
Acq: 27 Apr 2016 22:01

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:163 Resp: 111954
Ion Ratio Lower Upper
163 100
194 4.2 2.6 4.0#
164 10.2 8.2 12.4

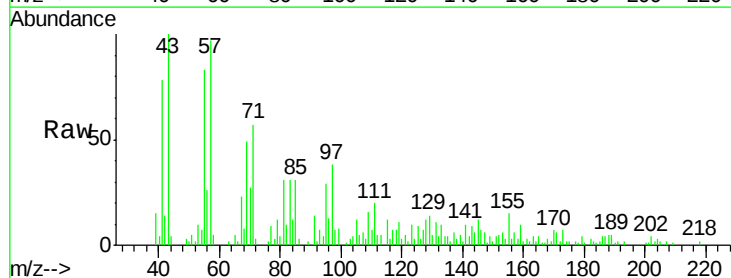


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

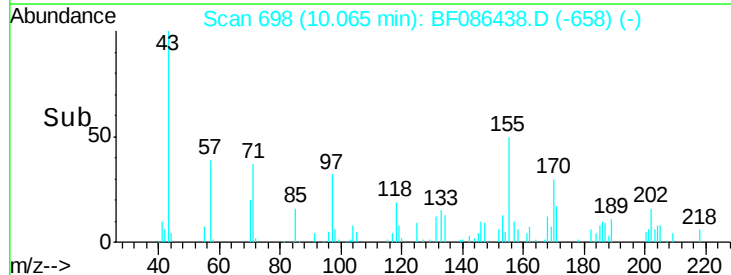
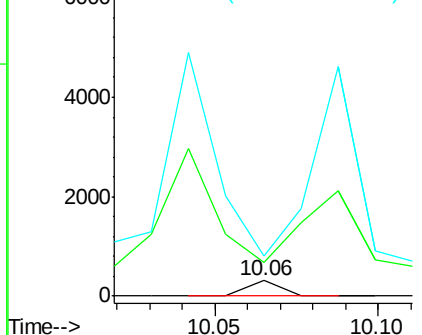


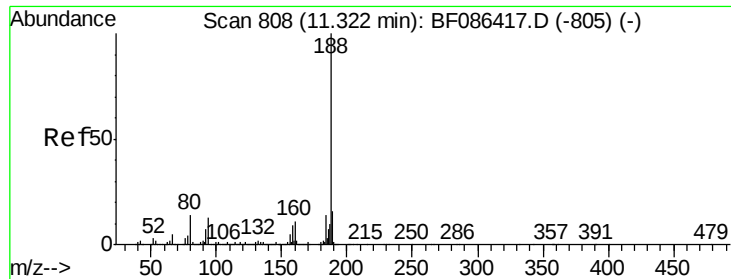
#53
2,4-Dinitrophenol
Concen: 7.96 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.16 min
Lab File: BF086438.D
Acq: 27 Apr 2016 22:01

Tgt Ion:184 Resp: 217
Ion Ratio Lower Upper
184 100
63 214.6 55.8 83.8#
154 252.5 62.4 93.6#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

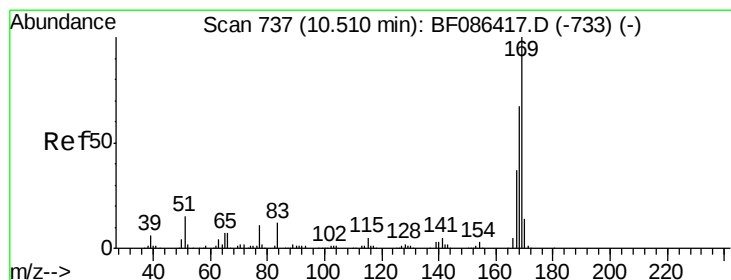
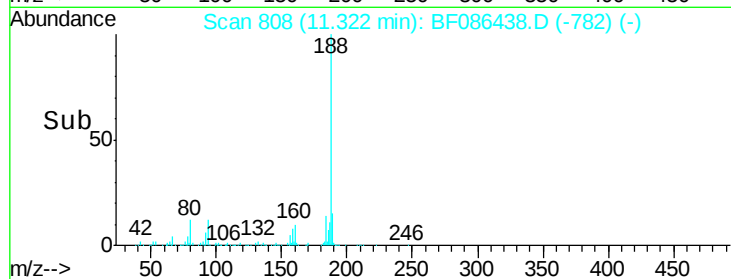
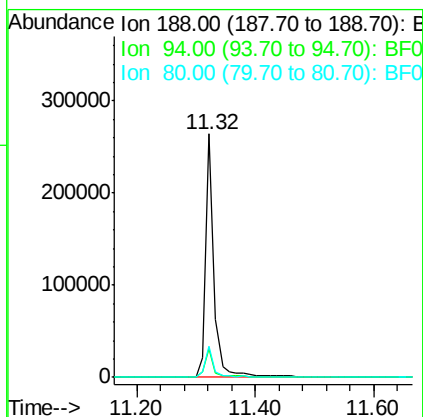
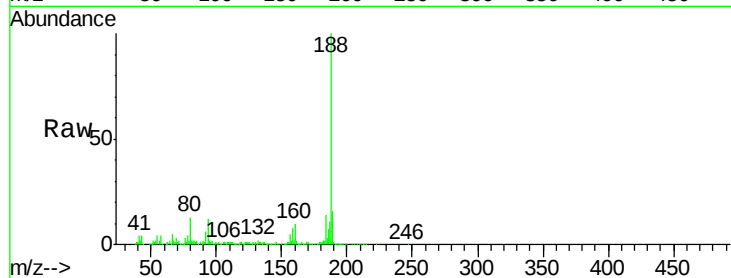




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF086438.D
Acq: 27 Apr 2016 22:01

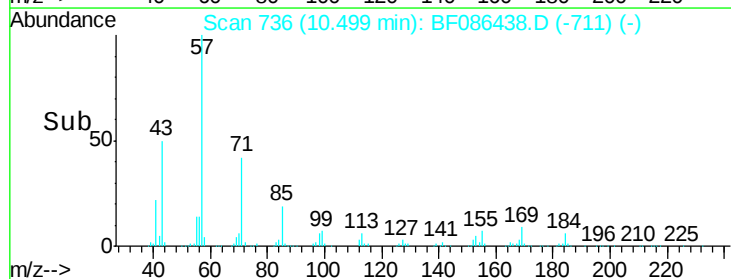
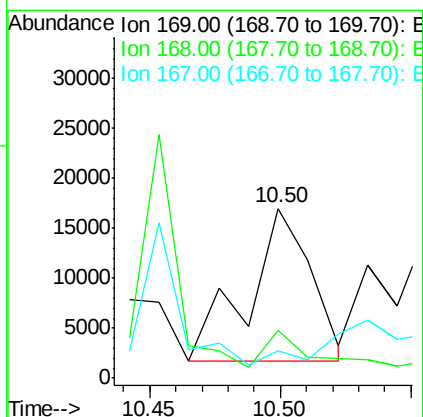
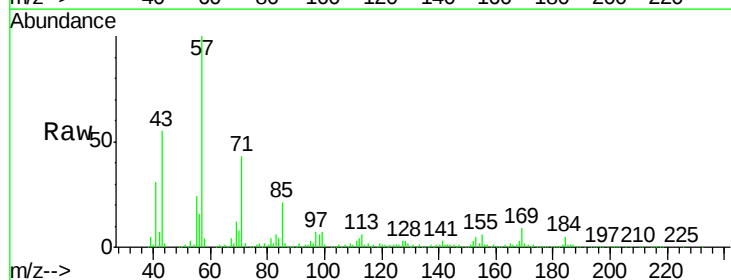
Instrument :
BNA_F
ClientSampleId :
WC-1

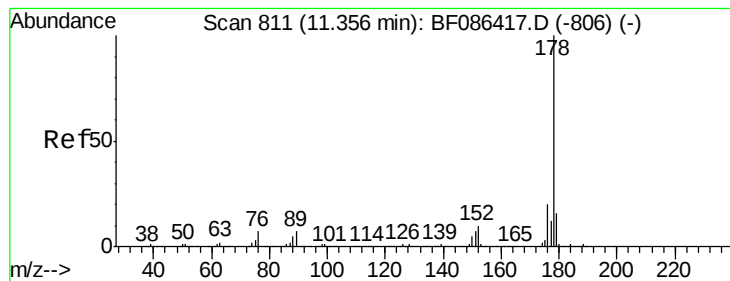
Tgt Ion:188 Resp: 270810
Ion Ratio Lower Upper
188 100
94 11.8 6.8 10.2#
80 12.7 7.1 10.7#



#65
n-Nitrosodiphenylamine
Concen: 3.07 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF086438.D
Acq: 27 Apr 2016 22:01

Tgt Ion:169 Resp: 26006
Ion Ratio Lower Upper
169 100
168 28.0 53.8 80.6#
167 16.2 29.5 44.3#





#70

Phenanthrene

Concen: 11.74 ng

RT: 11.35 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

Instrument :

BNA_F

ClientSampleId :

WC-1

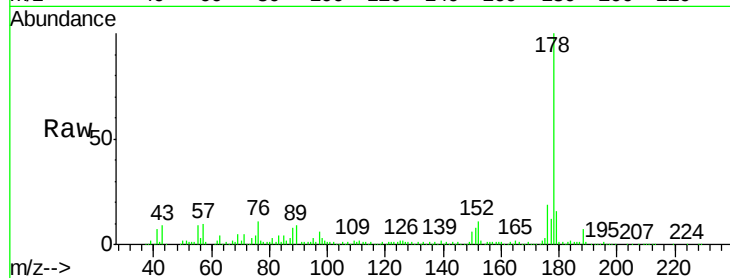
Tgt Ion:178 Resp: 166900

Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

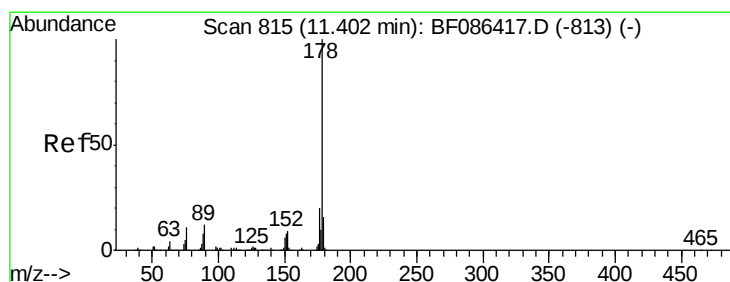
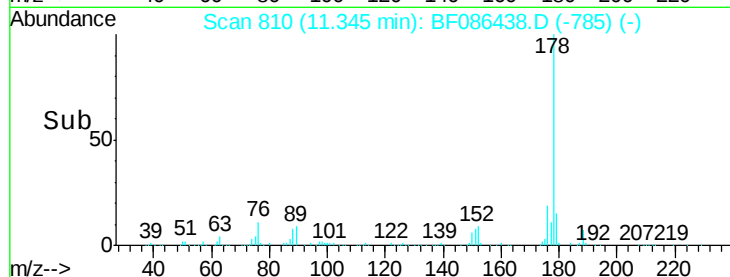
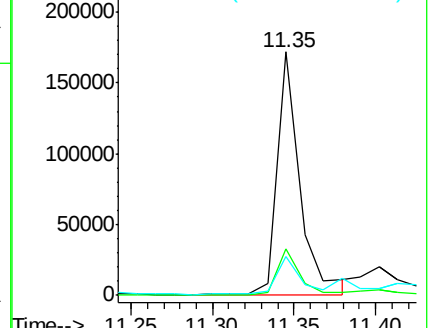
179 15.7 12.6 18.8



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



#71

Anthracene

Concen: 11.00 ng

RT: 11.35 min Scan# 810

Delta R.T. -0.06 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

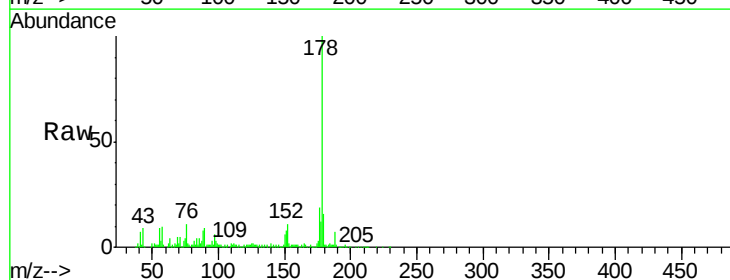
Tgt Ion:178 Resp: 166900

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

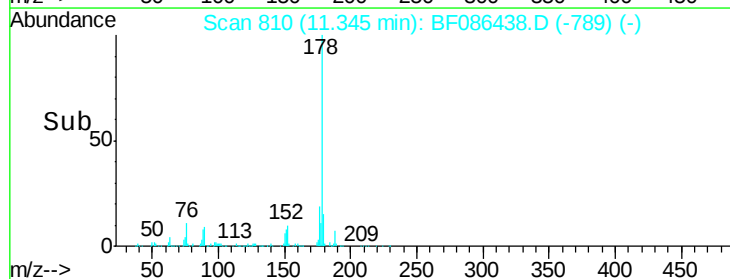
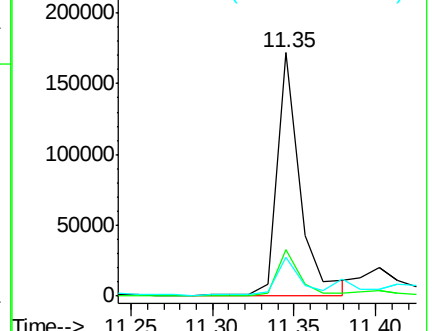
179 15.7 12.7 19.1

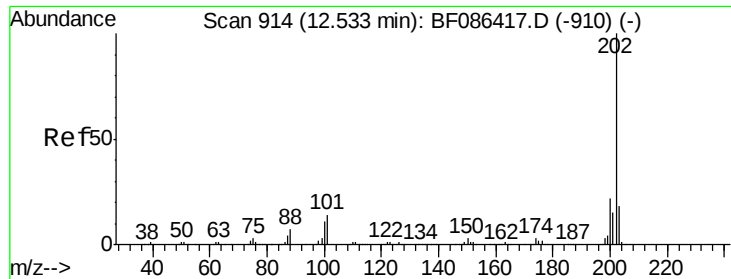


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 22.50 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

Instrument :

BNA_F

ClientSampleId :

WC-1

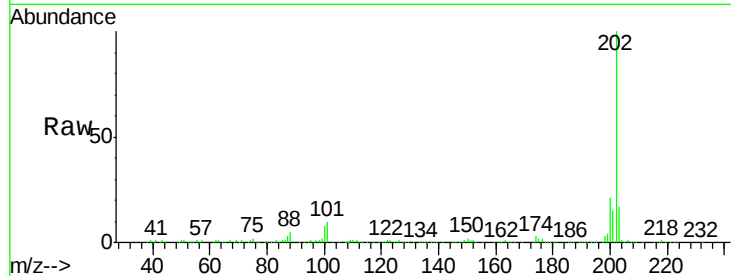
Tgt Ion:202 Resp: 322746

Ion Ratio Lower Upper

202 100

101 10.2 0.0 35.4

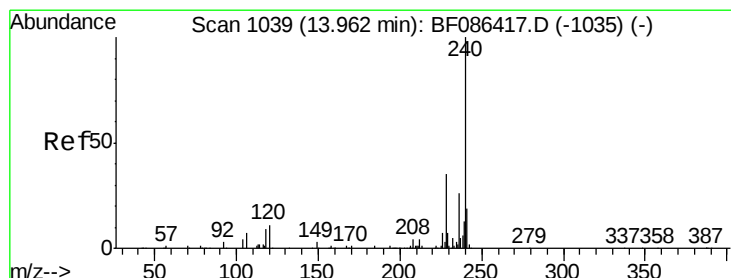
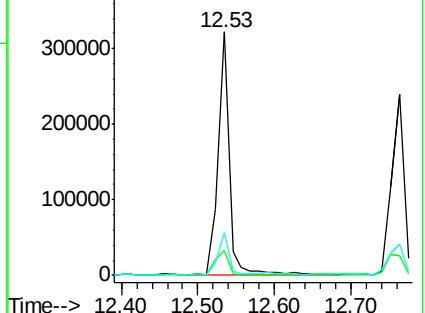
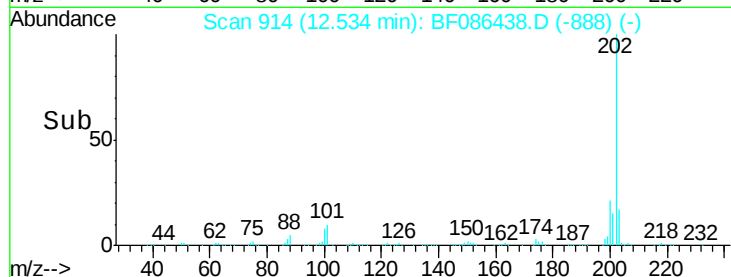
203 17.4 0.0 38.1



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: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

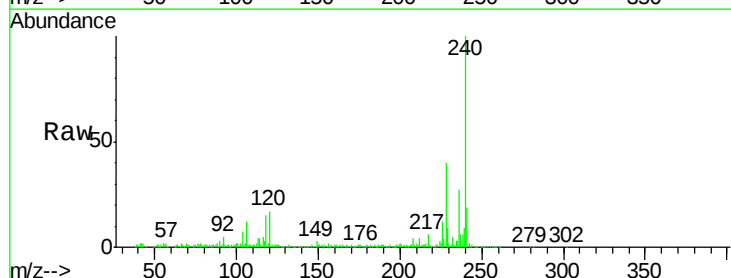
Tgt Ion:240 Resp: 252285

Ion Ratio Lower Upper

240 100

120 16.9 11.2 16.8#

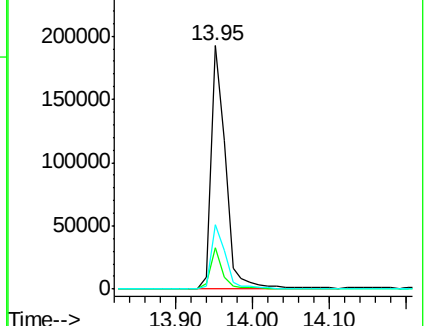
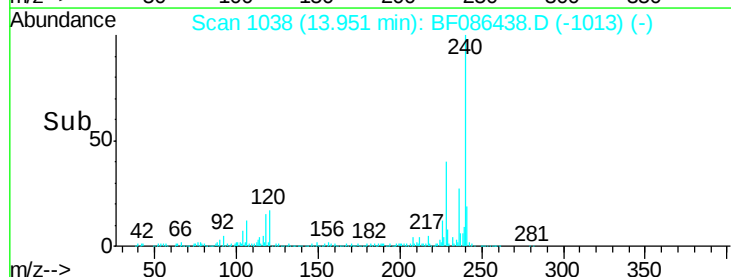
236 26.6 21.2 31.8

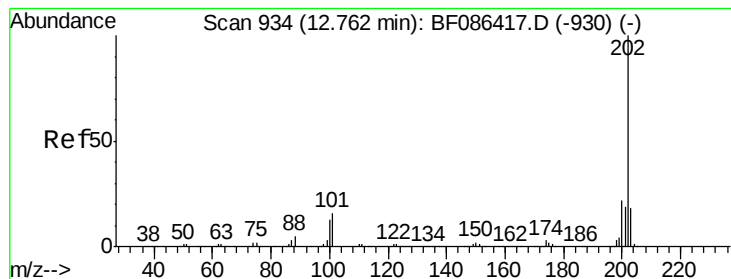


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 15.11 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

Instrument :

BNA_F

ClientSampleId :

WC-1

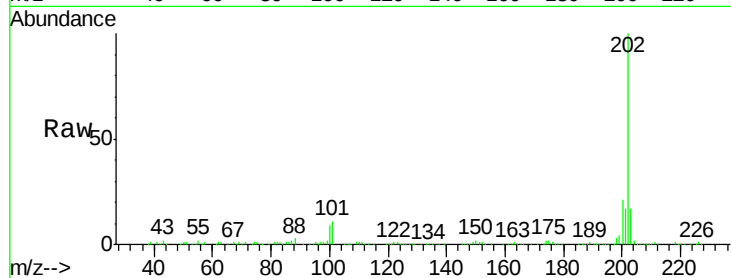
Tgt Ion:202 Resp: 274677

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

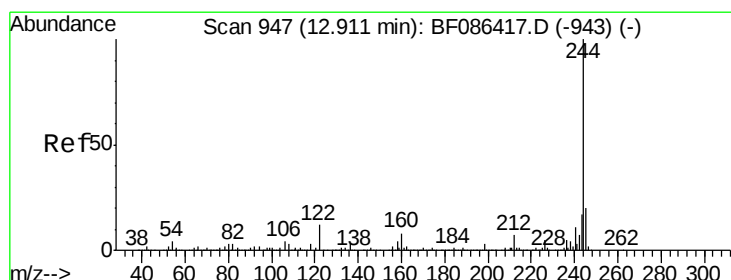
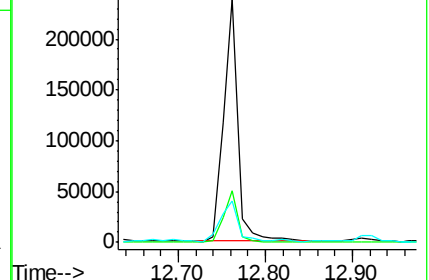
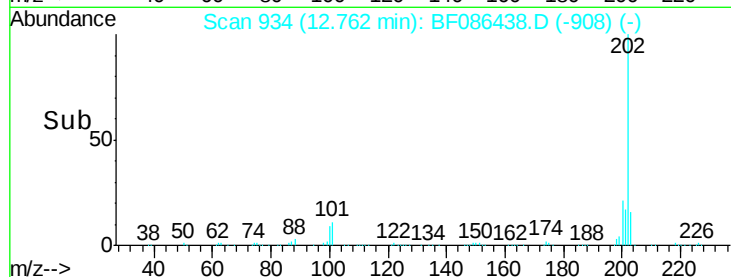
203 17.0 14.2 21.4



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: 28.89 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

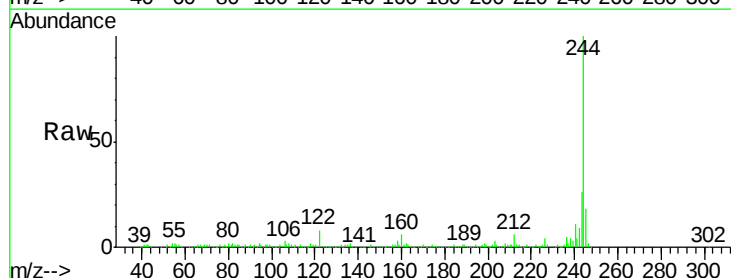
Tgt Ion:244 Resp: 330843

Ion Ratio Lower Upper

244 100

212 6.4 6.2 9.2

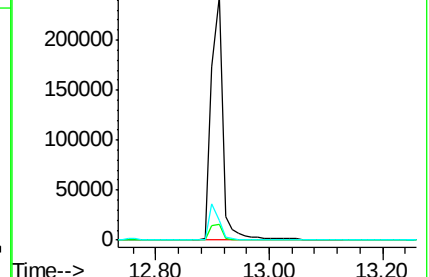
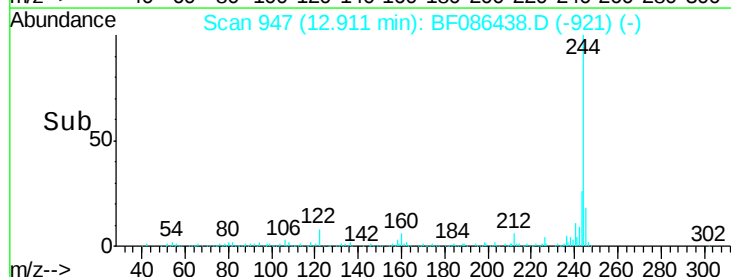
122 8.2 12.0 18.0#

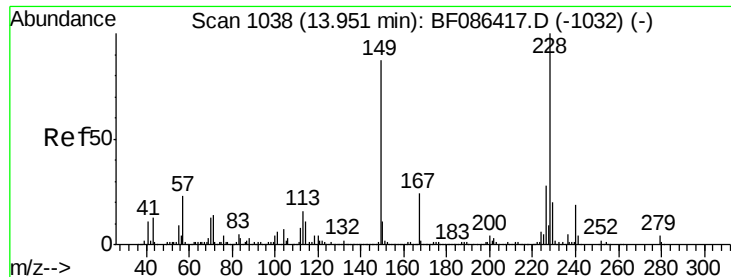


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.97 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

Instrument :

BNA_F

ClientSampleId :

WC-1

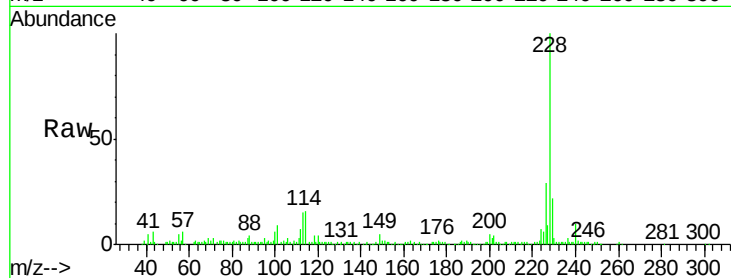
Tgt Ion:228 Resp: 147518

Ion Ratio Lower Upper

228 100

226 29.0 22.5 33.7

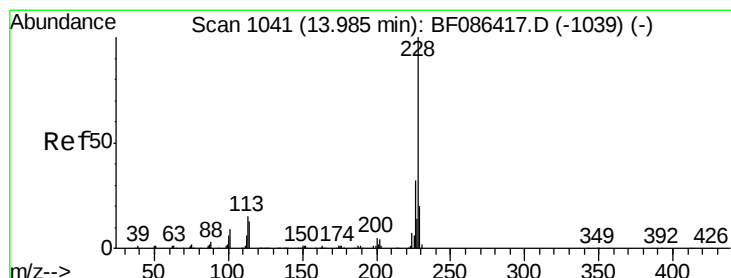
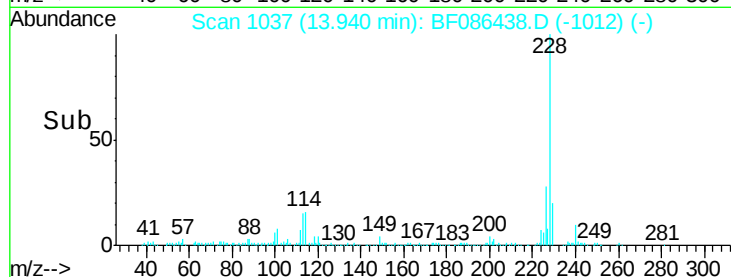
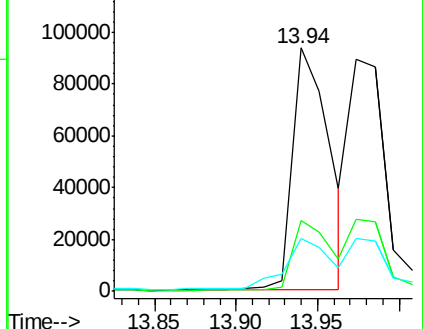
229 21.5 16.6 25.0



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: 10.09 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

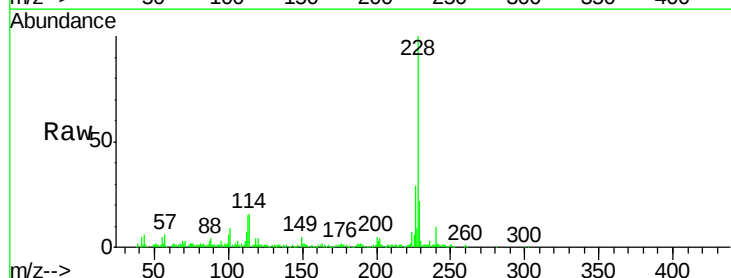
Tgt Ion:228 Resp: 147518

Ion Ratio Lower Upper

228 100

226 29.0 24.4 36.6

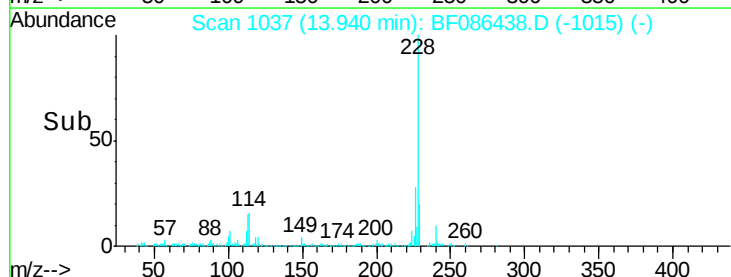
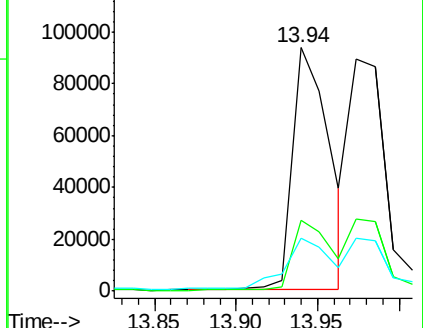
229 21.5 15.8 23.8

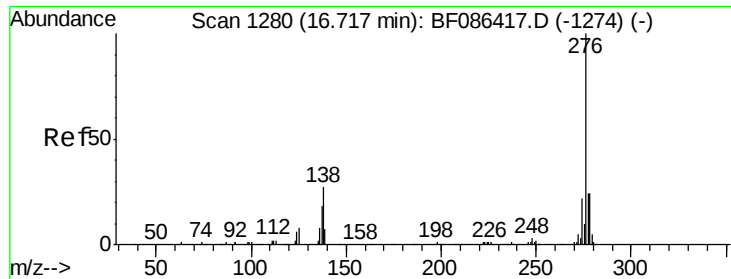


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

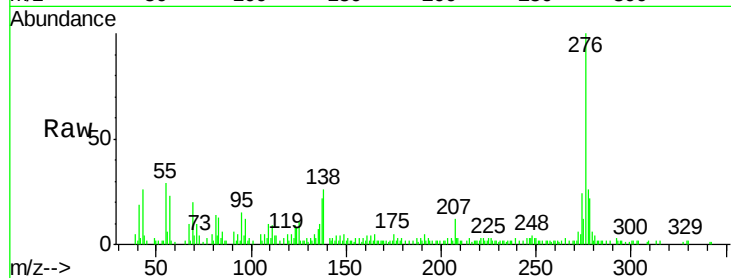




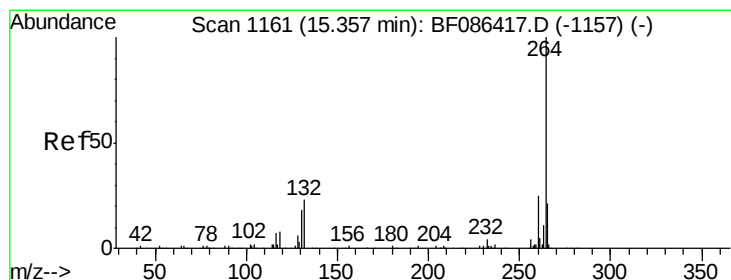
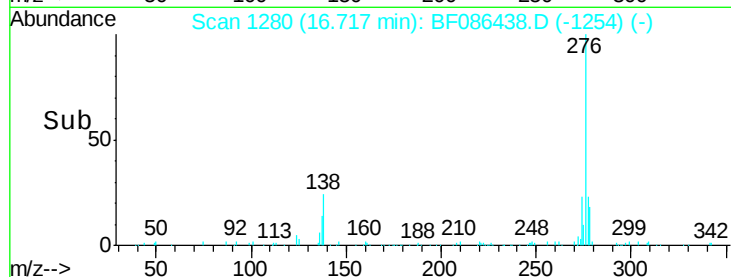
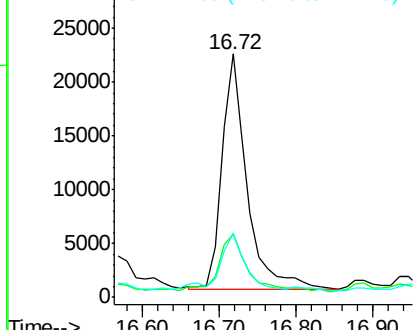
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.66 ng
 RT: 16.72 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: BF086438.D
 Acq: 27 Apr 2016 22:01

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.6	38.4
277	23.3	20.5	30.7

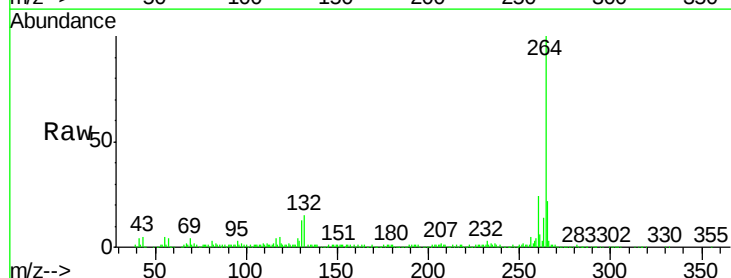


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

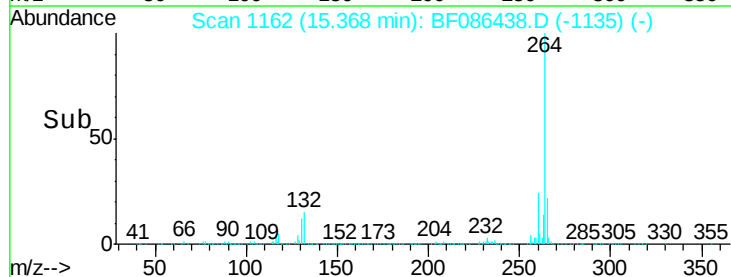
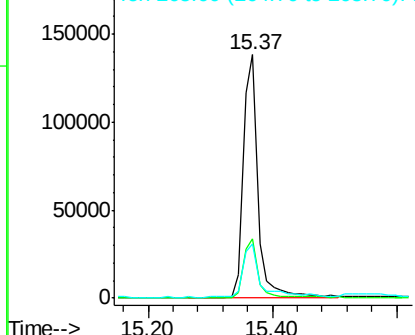


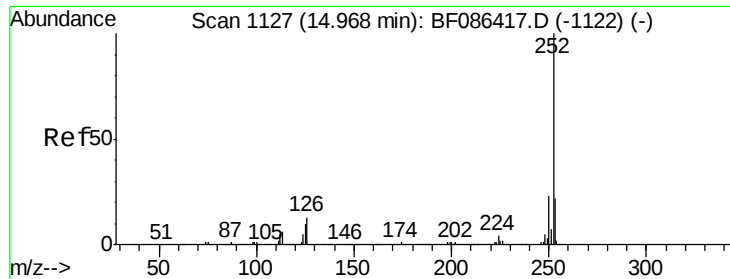
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BF086438.D
 Acq: 27 Apr 2016 22:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.1	17.3	25.9



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

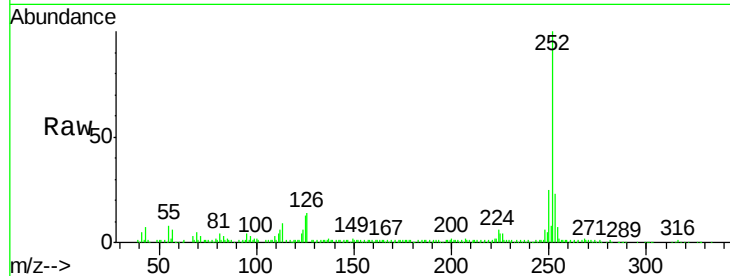




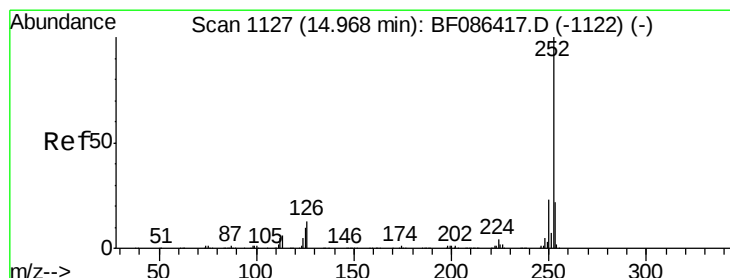
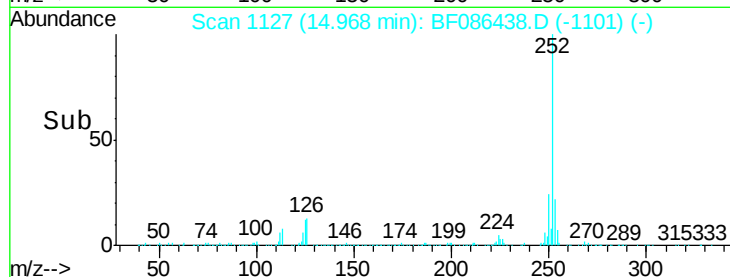
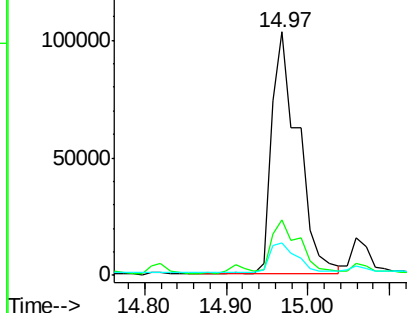
#87
Benzo(b)fluoranthene
Concen: 17.27 ng
RT: 14.97 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF086438.D
Acq: 27 Apr 2016 22:01

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	13.5	11.4	17.0

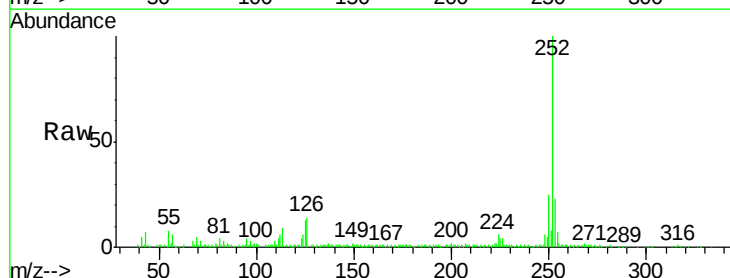


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

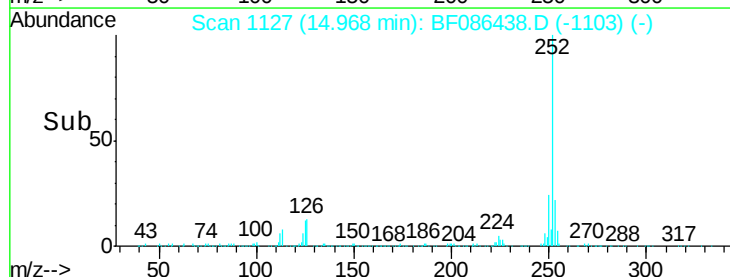
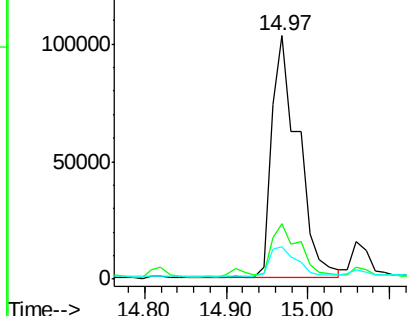


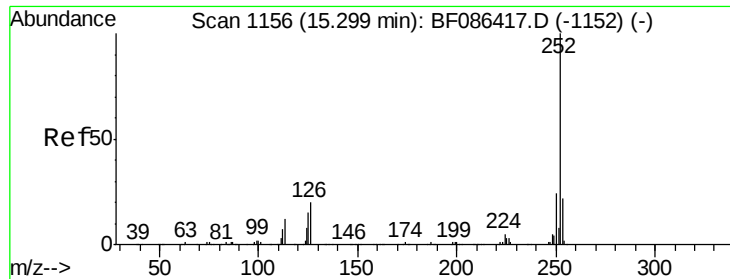
#88
Benzo(k)fluoranthene
Concen: 16.55 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF086438.D
Acq: 27 Apr 2016 22:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	13.5	9.1	13.7



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





#89

Benzo(a)pyrene

Concen: 8.37 ng

RT: 15.30 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

Instrument :

BNA_F

ClientSampleId :

WC-1

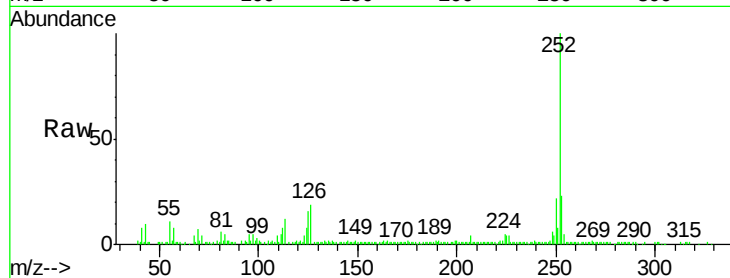
Tgt Ion:252 Resp: 107648

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

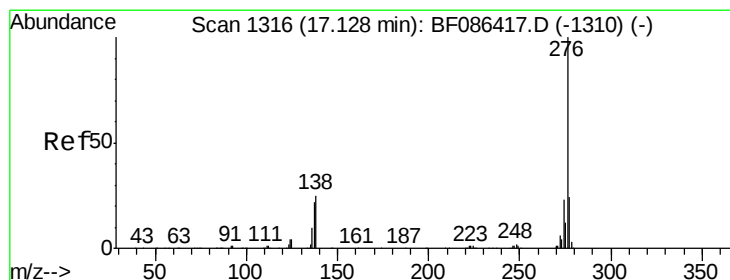
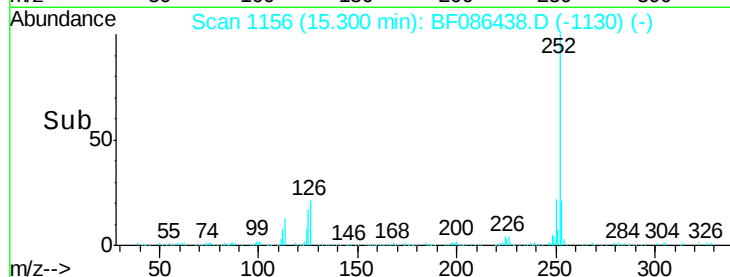
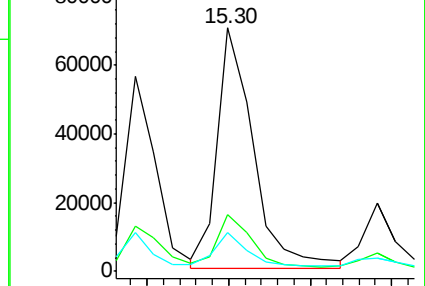
125 16.2 9.0 13.6#



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



#91

Benzo(g,h,i)perylene

Concen: 4.21 ng

RT: 17.13 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF086438.D

Acq: 27 Apr 2016 22:01

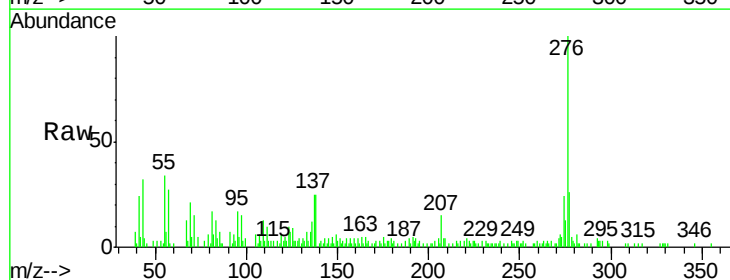
Tgt Ion:276 Resp: 44409

Ion Ratio Lower Upper

276 100

277 26.0 19.6 29.4

138 25.2 23.6 35.4



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

