

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071816\
 Data File : BF089097.D
 Acq On : 18 Jul 2016 22:41
 Operator : UM/SJ
 Sample : H4046-24
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C5-4

Quant Time: Jul 19 04:56:27 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 03:29:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	49131	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	194611	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	74442	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	125881	20.00	ng	0.00
75) Chrysene-d12	13.78	240	99573	20.00	ng	0.01
86) Perylene-d12	15.14	264	83548	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	306030	93.35	ng	0.02
7) Phenol-d6	6.31	99	420972	99.38	ng	0.01
23) Nitrobenzene-d5	7.21	82	242769	65.37	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	54379	78.67	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	339814	72.10	ng	0.00
78) Terphenyl-d14	12.74	244	274294	61.36	ng	0.01

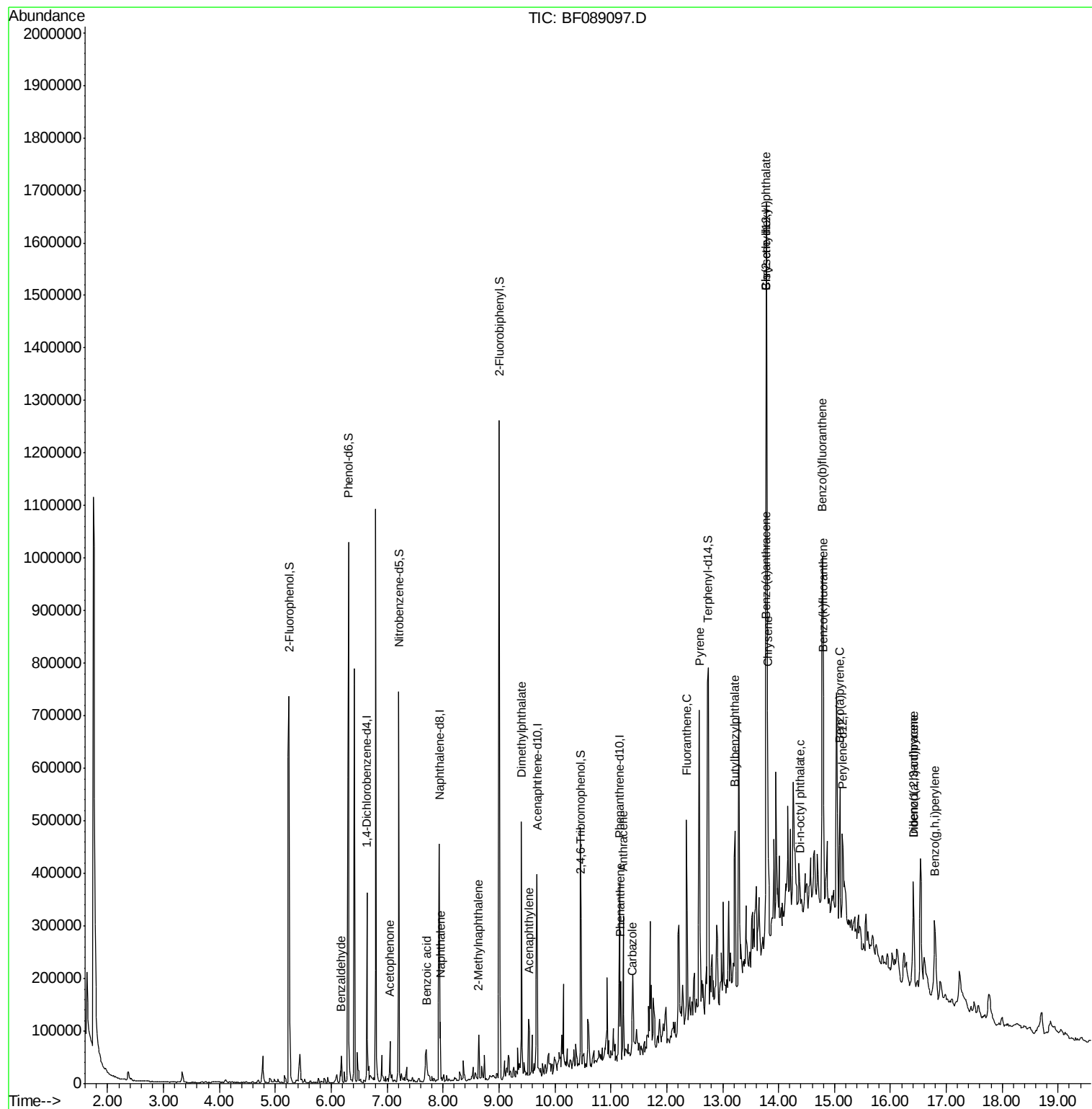
Target Compounds				Qvalue		
9) Benzaldehyde	6.18	77	10436	3.64	ng	92
22) Acetophenone	7.05	105	22366	4.74	ng	# 90
31) Naphthalene	7.95	128	58257	6.07	ng	98
32) Benzoic acid	7.70	122	12940	5.57	ng	92
37) 2-Methylnaphthalene	8.64	142	20248	3.28	ng	# 94
48) Acenaphthylene	9.53	152	57761	7.50	ng	99
49) Dimethylphthalate	9.40	163	154154	29.07	ng	99
70) Phenanthrene	11.18	178	58009	8.43	ng	97
71) Anthracene	11.22	178	102801	15.02	ng	99
72) Carbazole	11.38	167	19570	3.04	ng	98
74) Fluoranthene	12.35	202	172587	24.74	ng	96
77) Pyrene	12.58	202	224564	26.60	ng	100
79) Butylbenzylphthalate	13.22	149	95798	25.44	ng	99
80) Benzo(a)anthracene	13.77	228	149959m	23.39	ng	
82) Chrysene	13.81	228	216274m	34.09	ng	
83) Bis(2-ethylhexyl)phthalate	13.78	149	295996	68.85	ng	# 96
84) Di-n-octyl phthalate	14.39	149	25010	3.42	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.41	276	102531	21.01	ng	# 100
87) Benzo(b)fluoranthene	14.79	252	436506m	83.29	ng	
88) Benzo(k)fluoranthene	14.80	252	71456m	15.66	ng	
89) Benzo(a)pyrene	15.10	252	105952	23.88	ng	# 96
90) Dibenzo(a,h)anthracene	16.41	278	41984m	11.33	ng	
91) Benzo(g,h,i)perylene	16.79	276	88269	23.02	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampleId :

C5-4

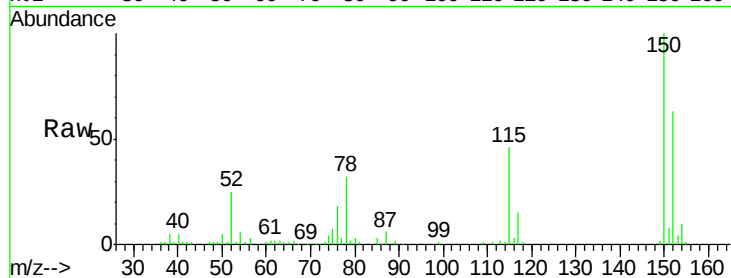
Tot Ion:152 Resp: 49131

Ion Ratio Lower Upper

152 100

150 158.9 123.8 185.6

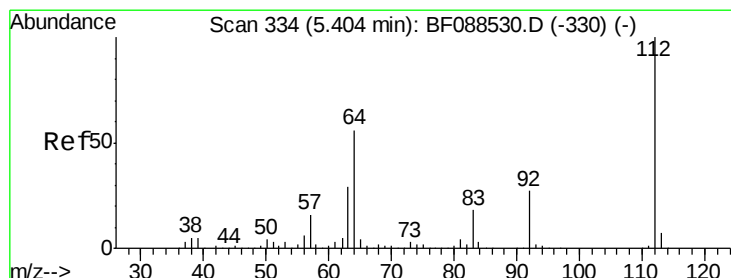
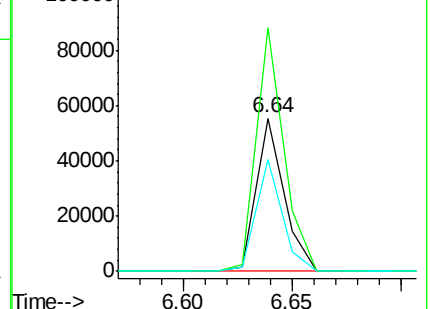
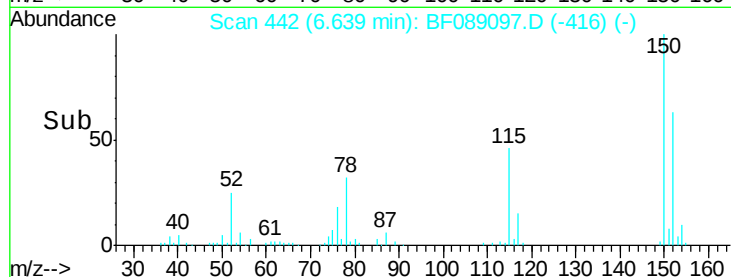
115 73.3 39.6 59.4#



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: 93.35 ng

RT: 5.24 min Scan# 320

Delta R.T. 0.02 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

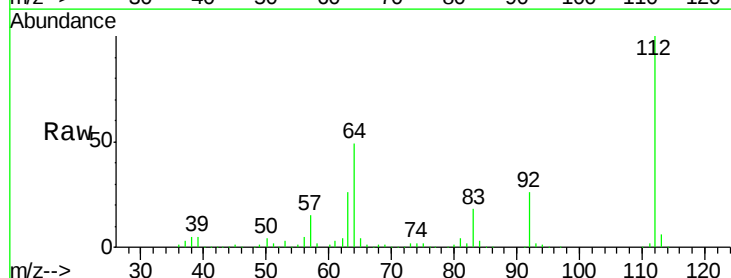
Tgt Ion:112 Resp: 306030

Ion Ratio Lower Upper

112 100

64 49.0 42.2 63.2

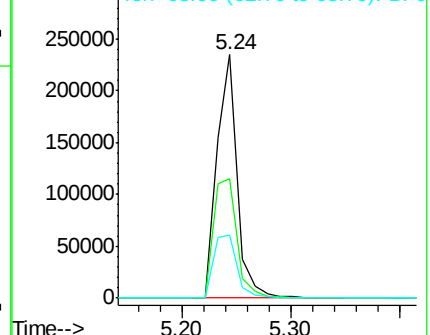
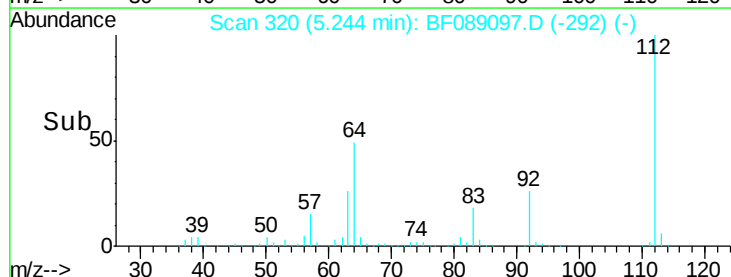
63 26.2 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.38 ng

RT: 6.31 min Scan# 413

Delta R.T. 0.01 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampled :

C5-4

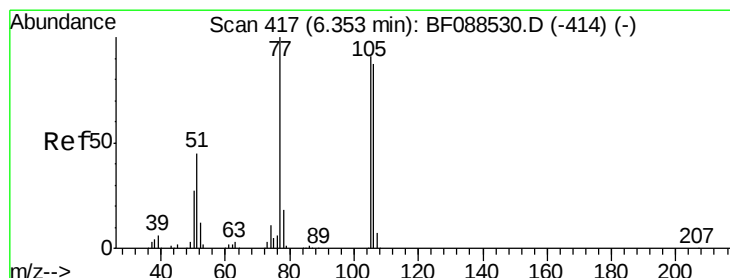
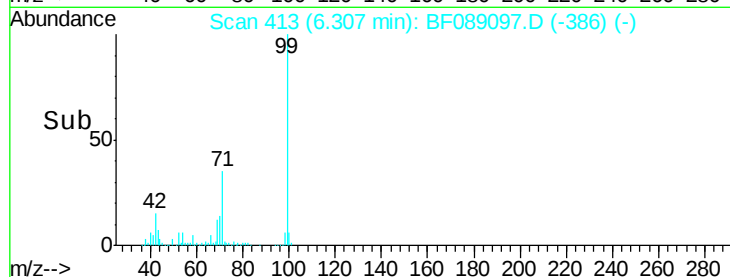
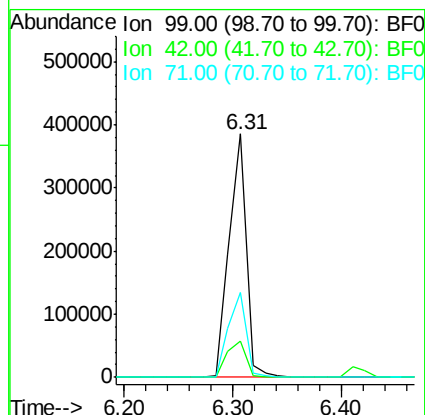
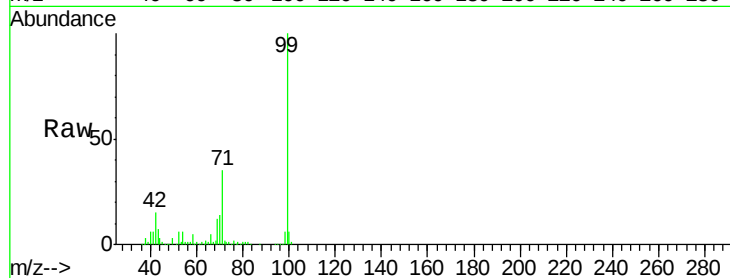
Tot Ion: 99 Resp: 420972

Ion Ratio Lower Upper

99 100

42 15.1 12.2 18.2

71 35.1 23.4 35.0#



#9

Benzaldehyde

Concen: 3.64 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

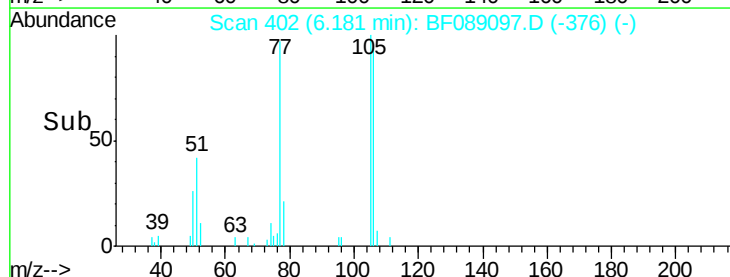
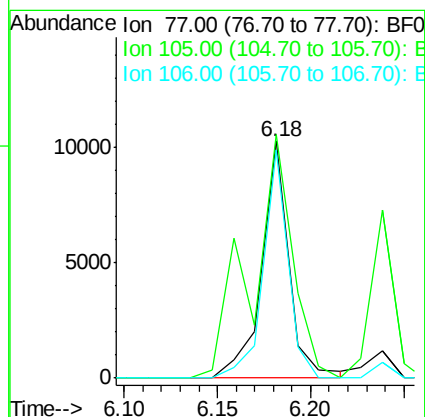
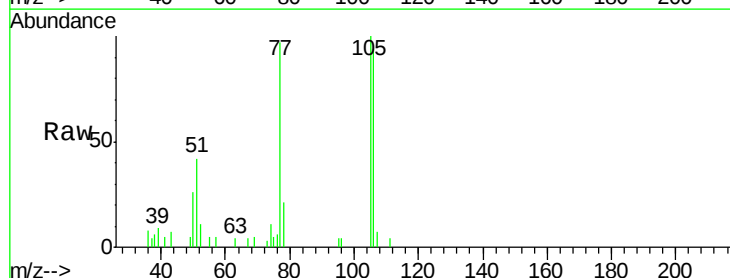
Tgt Ion: 77 Resp: 10436

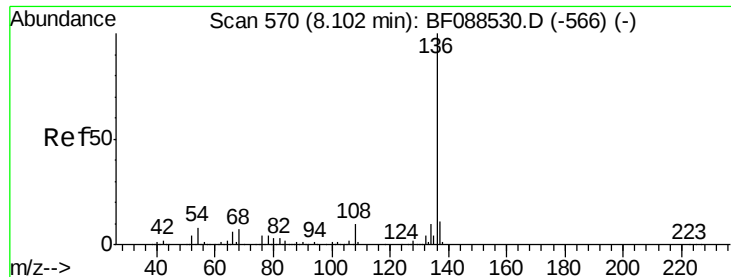
Ion Ratio Lower Upper

77 100

105 102.7 90.6 130.6

106 96.2 85.3 125.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampleId :

C5-4

Tot Ion:136 Resp: 194611

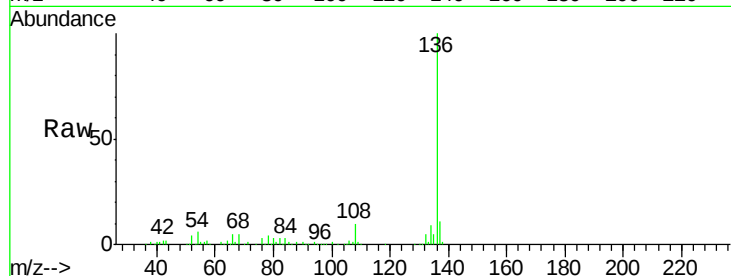
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 6.3 6.6 10.0#

68 4.9 5.1 7.7#

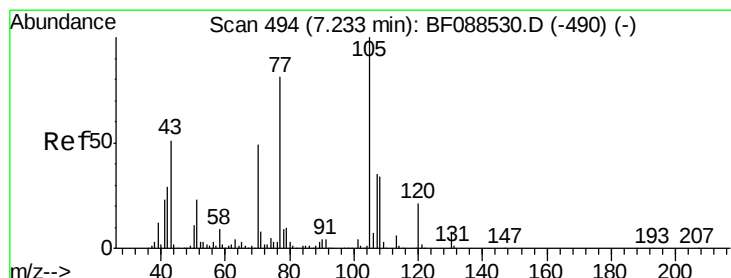
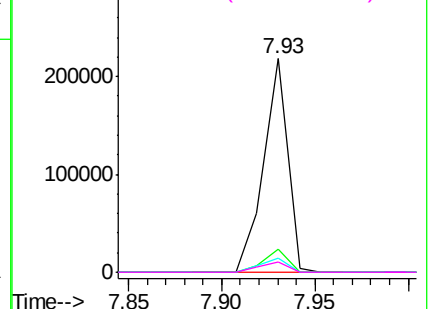
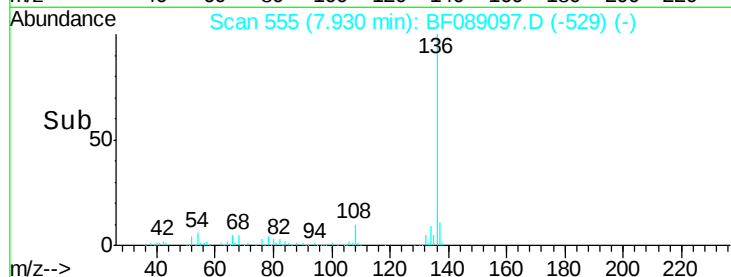


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 4.74 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Tgt Ion:105 Resp: 22366

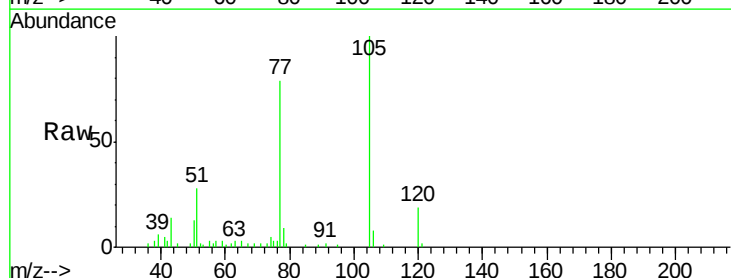
Ion Ratio Lower Upper

105 100

71 2.0 5.3 7.9#

51 27.7 18.2 27.4#

120 18.6 18.0 27.0

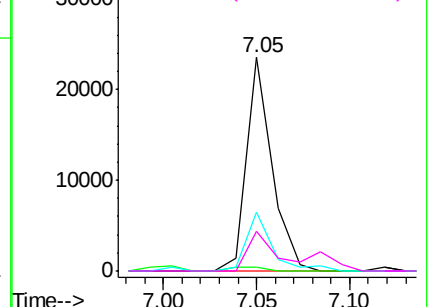
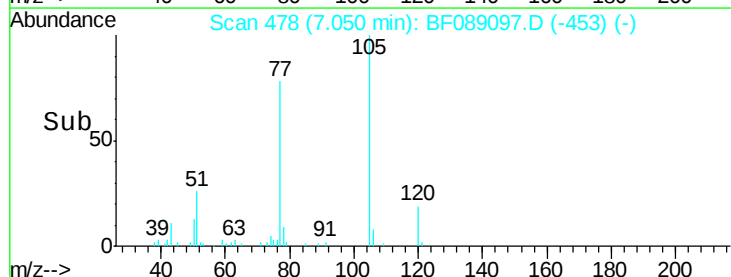


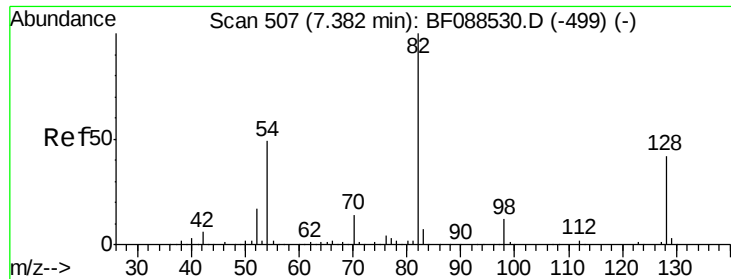
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

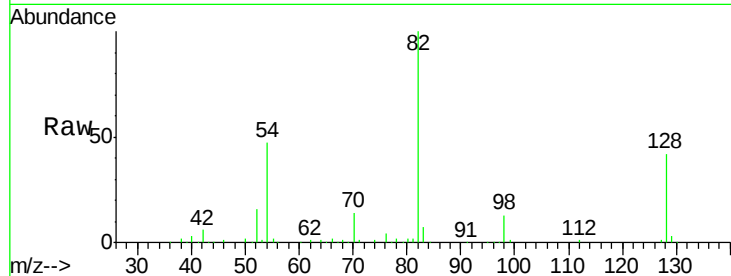




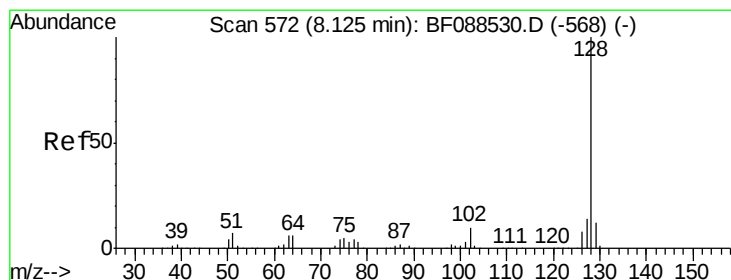
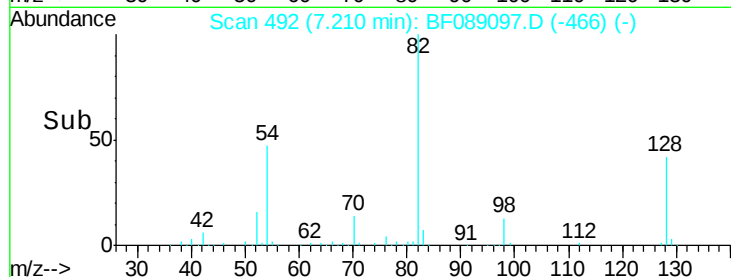
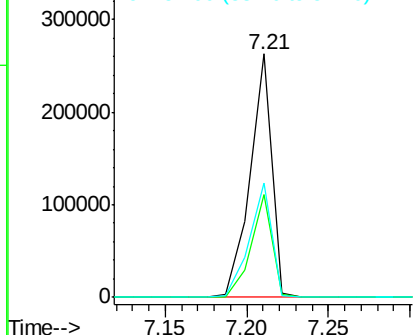
#23
Nitrobenzene-d5
Concen: 65.37 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.00 min
Lab File: BF089097.D
Acq: 18 Jul 2016 22:41

Instrument :
BNA_F
ClientSampleId :
C5-4

Tot Ion: 82 Resp: 242769
Ion Ratio Lower Upper
82 100
128 42.0 35.9 53.9
54 47.1 40.9 61.3

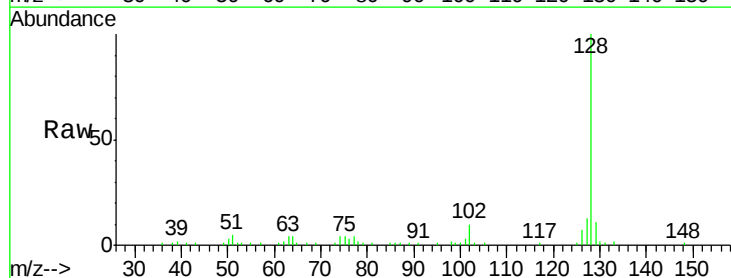


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

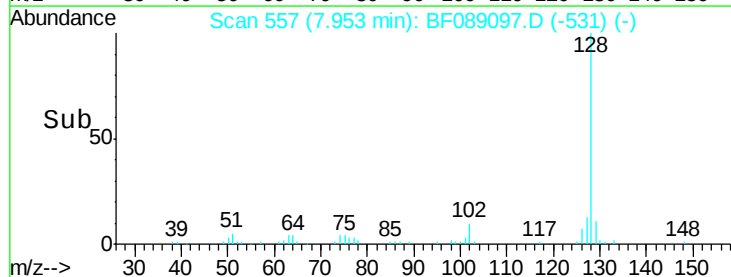
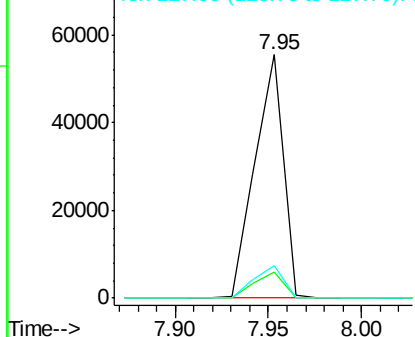


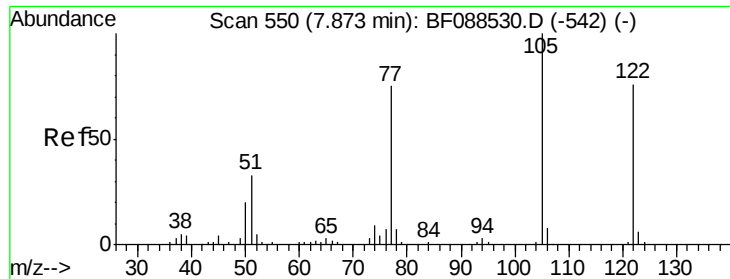
#31
Naphthalene
Concen: 6.07 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF089097.D
Acq: 18 Jul 2016 22:41

Tgt Ion: 128 Resp: 58257
Ion Ratio Lower Upper
128 100
129 10.5 9.4 14.2
127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): B
Ion 129.00 (128.70 to 129.70): B
Ion 127.00 (126.70 to 127.70): B

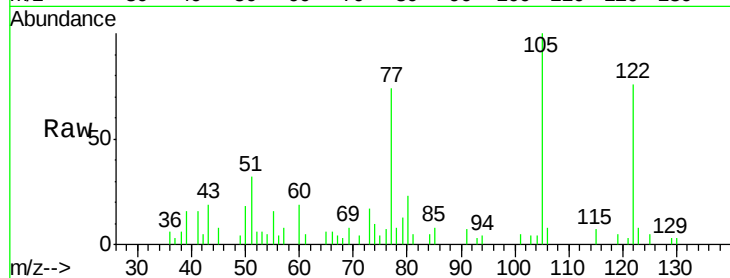




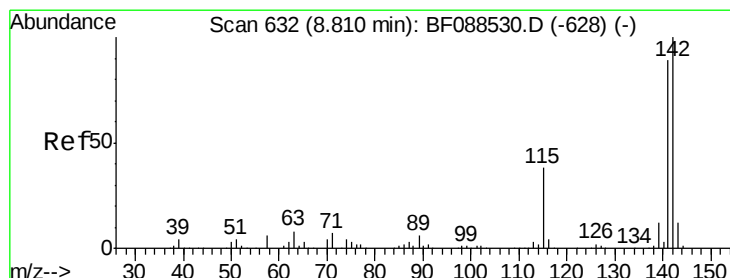
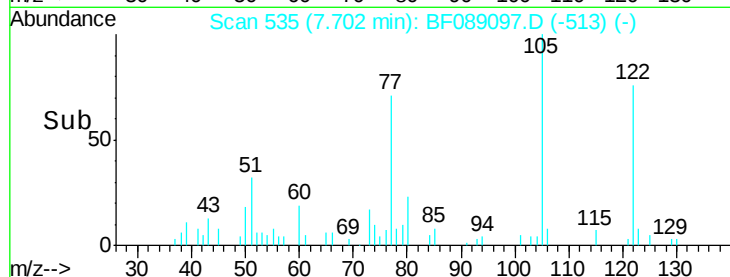
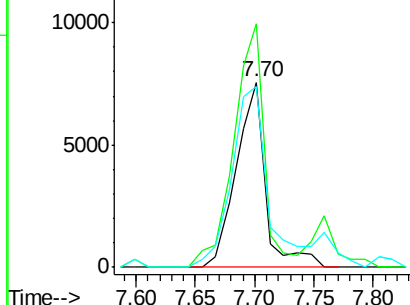
#32
Benzoic acid
Concen: 5.57 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.05 min
Lab File: BF089097.D
Acq: 18 Jul 2016 22:41

Instrument :
BNA_F
ClientSampleId :
C5-4

Tot Ion:122 Resp: 12940
Ion Ratio Lower Upper
122 100
105 131.4 101.6 141.6
77 97.5 70.6 110.6

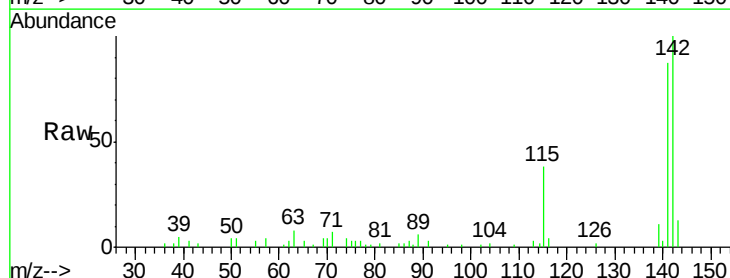


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

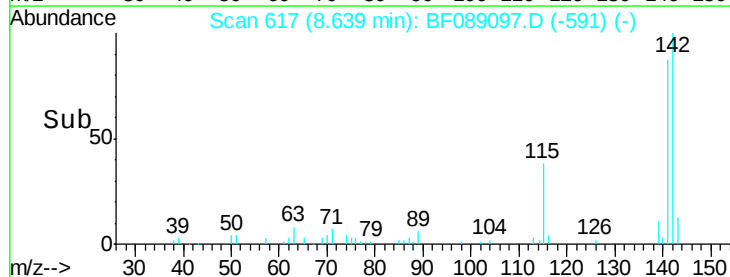
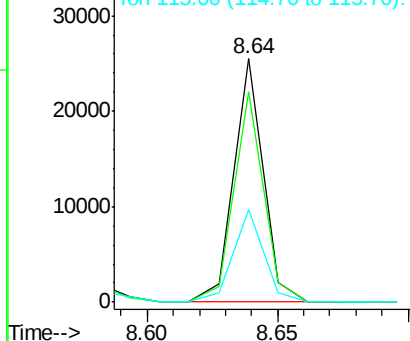


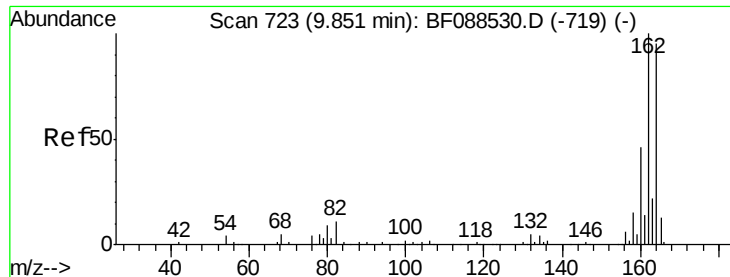
#37
2-Methylnaphthalene
Concen: 3.28 ng
RT: 8.64 min Scan# 617
Delta R.T. -0.00 min
Lab File: BF089097.D
Acq: 18 Jul 2016 22:41

Tgt Ion:142 Resp: 20248
Ion Ratio Lower Upper
142 100
141 86.6 71.0 106.6
115 38.1 22.6 33.8#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

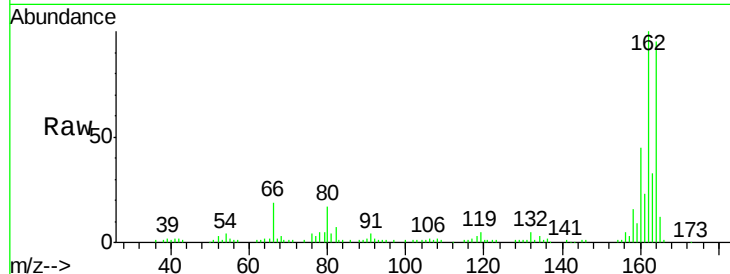




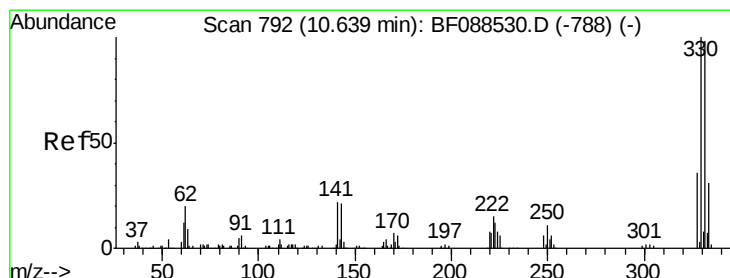
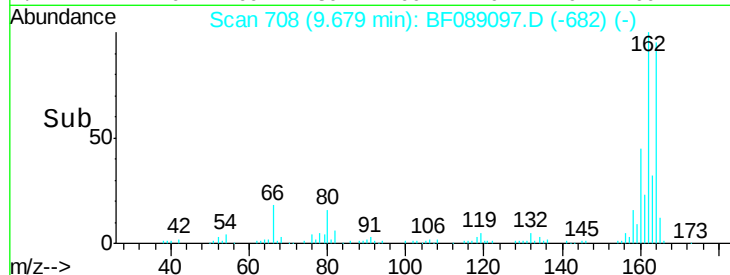
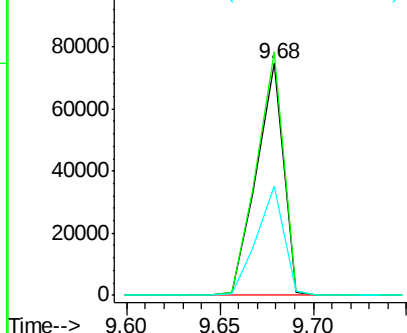
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.00 min
Lab File: BF089097.D
Acq: 18 Jul 2016 22:41

Instrument :
BNA_F
ClientSampled :
C5-4

Tot Ion:164 Resp: 74442
Ion Ratio Lower Upper
164 100
162 105.0 85.4 128.2
160 47.3 39.5 59.3

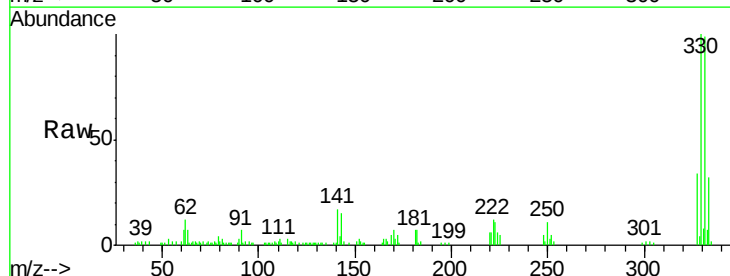


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

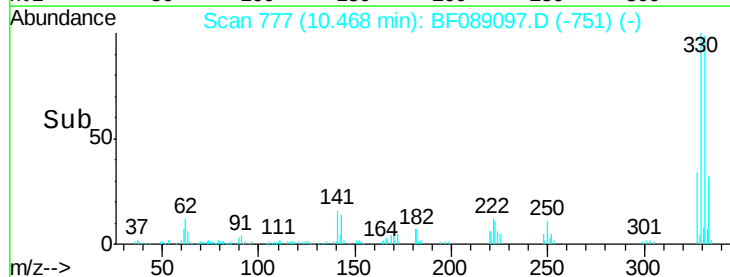
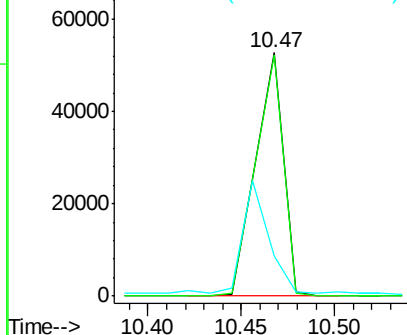


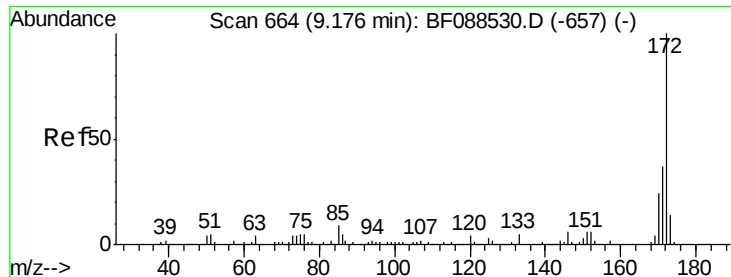
#41
2,4,6-Tribromophenol
Concen: 78.67 ng
RT: 10.47 min Scan# 777
Delta R.T. -0.00 min
Lab File: BF089097.D
Acq: 18 Jul 2016 22:41

Tgt Ion:330 Resp: 54379
Ion Ratio Lower Upper
330 100
332 99.2 0.0 0.0#
141 48.6 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

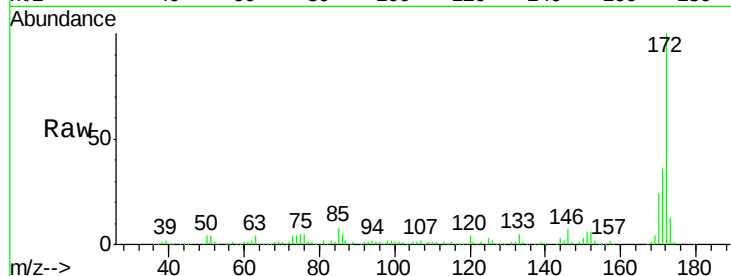




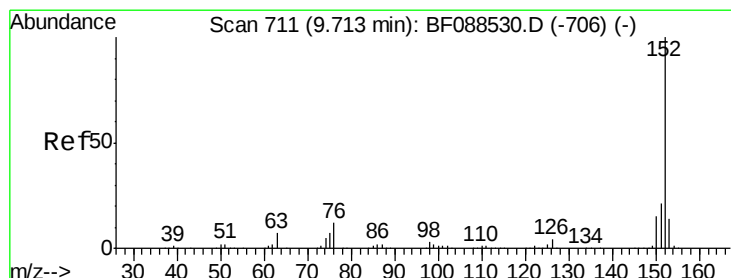
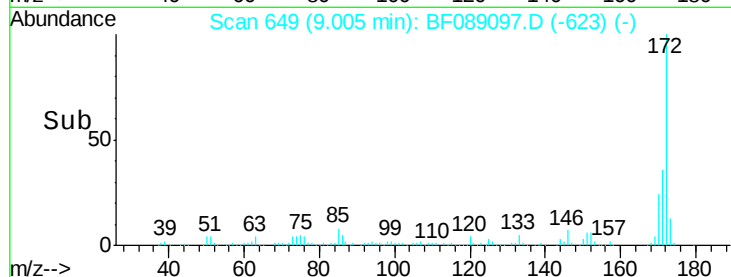
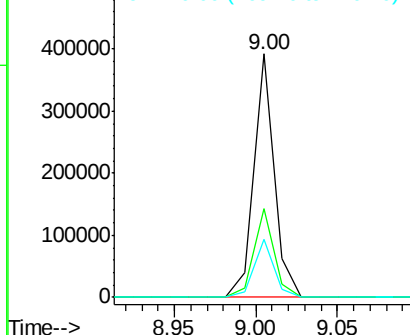
#44
2-Fluorobiphenyl
Concen: 72.10 ng
RT: 9.00 min Scan# 649
Delta R.T. -0.00 min
Lab File: BF089097.D
Acq: 18 Jul 2016 22:41

Instrument :
BNA_F
ClientSampled :
C5-4

Tot Ion:172 Resp: 339814
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 23.8 19.2 28.8

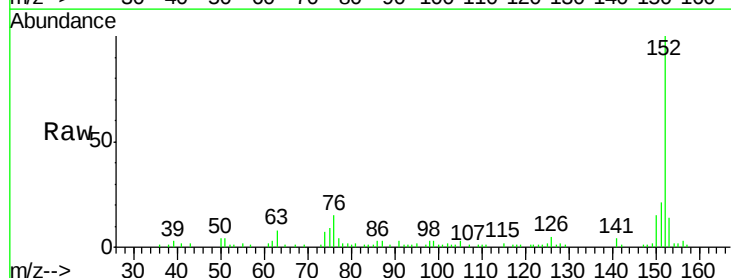


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

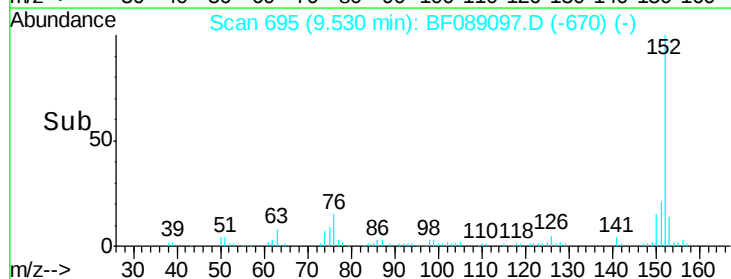
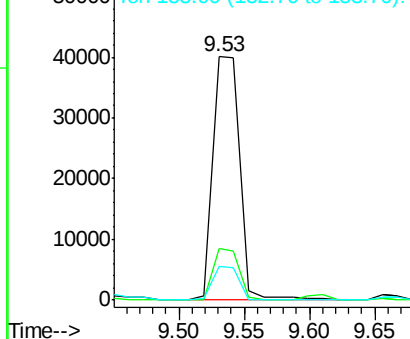


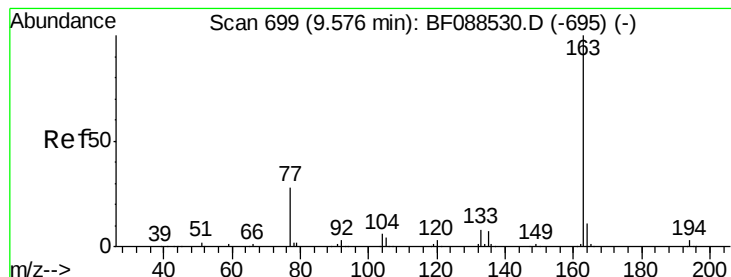
#48
Acenaphthylene
Concen: 7.50 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF089097.D
Acq: 18 Jul 2016 22:41

Tgt Ion:152 Resp: 57761
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.4
153 14.1 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 29.07 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampleId :

C5-4

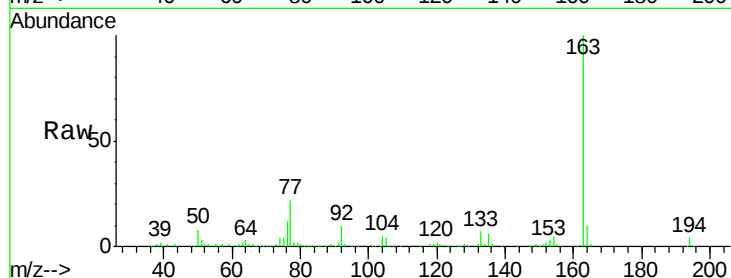
Tot Ion:163 Resp: 154154

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

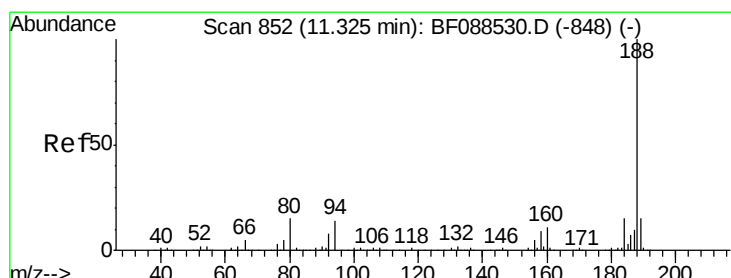
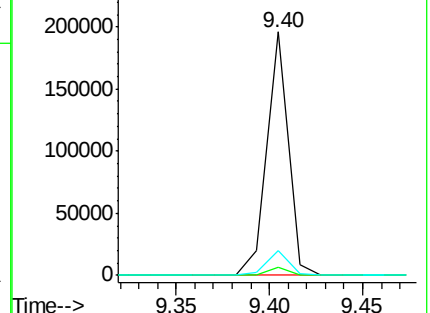
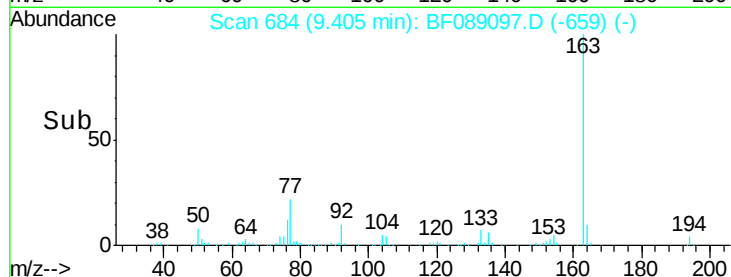
164 10.1 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

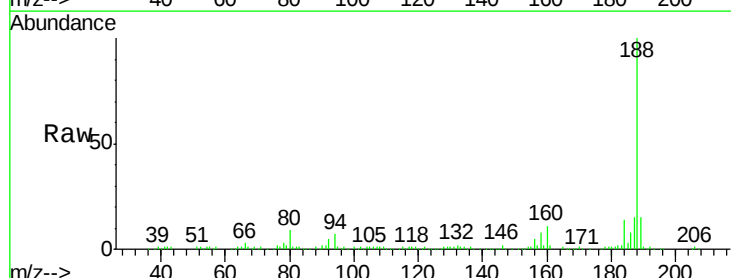
Tgt Ion:188 Resp: 125881

Ion Ratio Lower Upper

188 100

94 7.3 9.0 13.6#

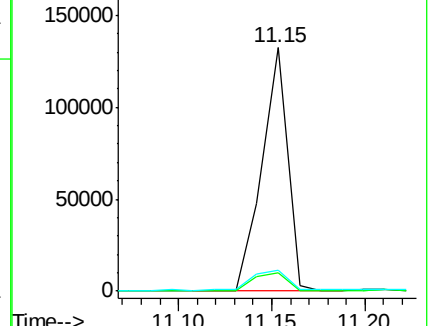
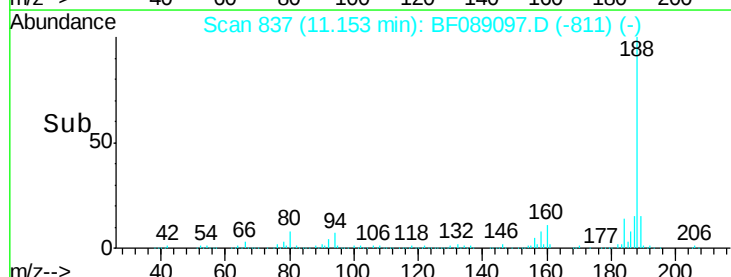
80 8.7 10.0 15.0#

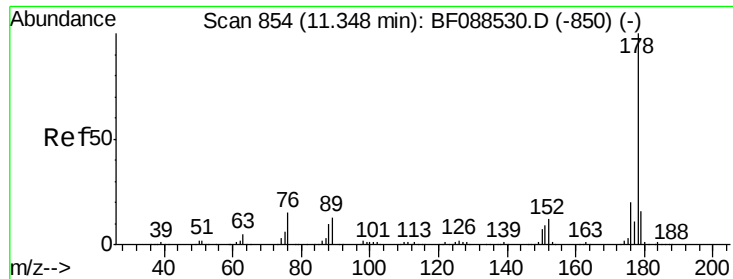


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

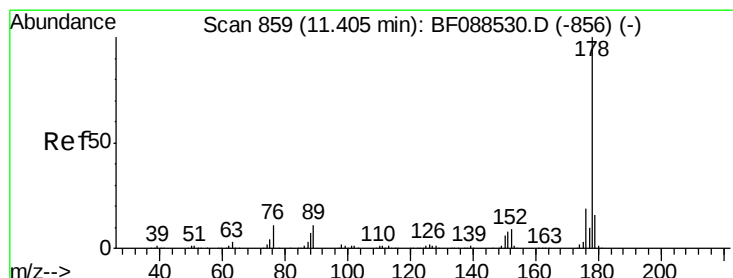
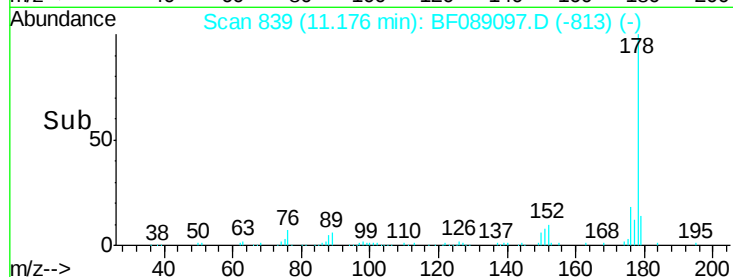
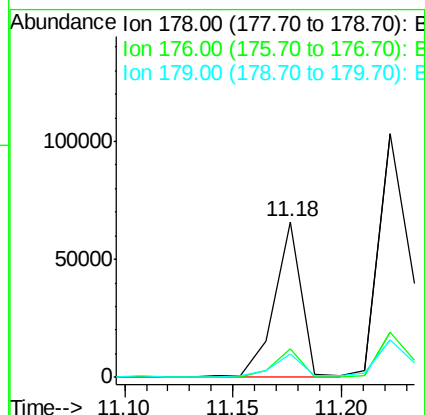
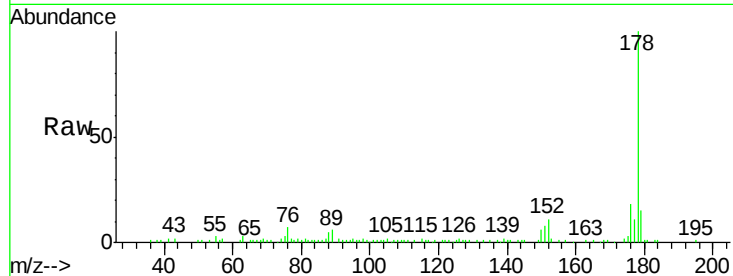




#70
Phenanthrene
Concen: 8.43 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF089097.D
Acq: 18 Jul 2016 22:41

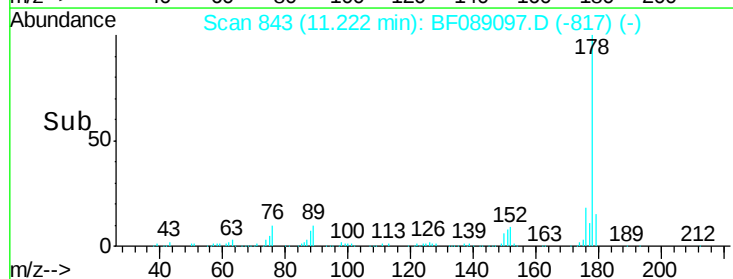
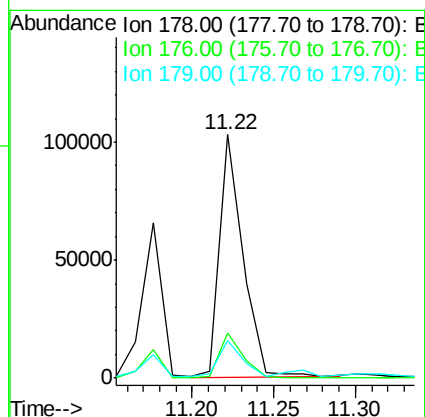
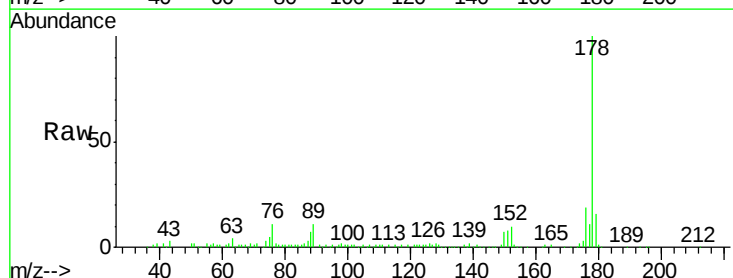
Instrument :
BNA_F
ClientSampled :
C5-4

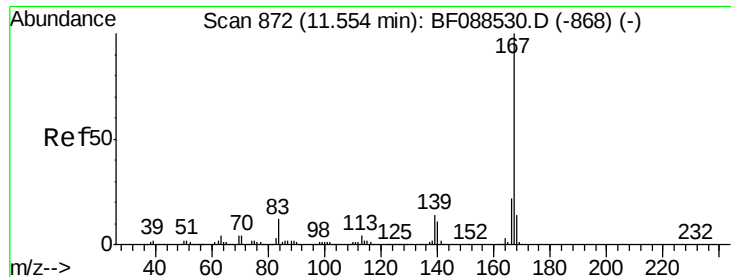
Tot Ion:178 Resp: 58009
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.6
179 15.3 13.0 19.4



#71
Anthracene
Concen: 15.02 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF089097.D
Acq: 18 Jul 2016 22:41

Tgt Ion:178 Resp: 102801
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.6 12.8 19.2





#72

Carbazole

Concen: 3.04 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampleId :

C5-4

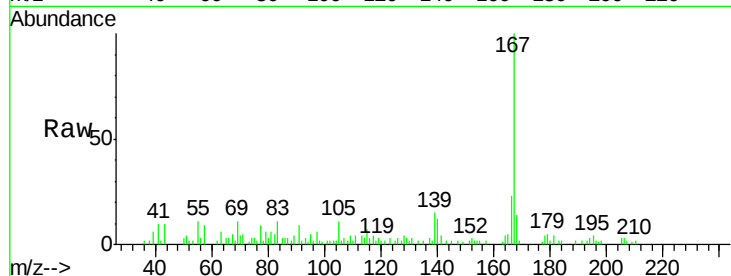
Tot Ion:167 Resp: 19570

Ion Ratio Lower Upper

167 100

166 23.0 17.8 26.6

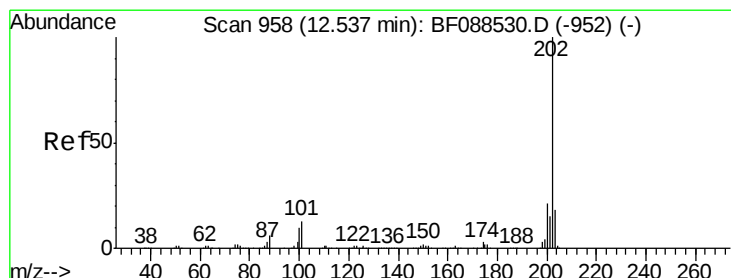
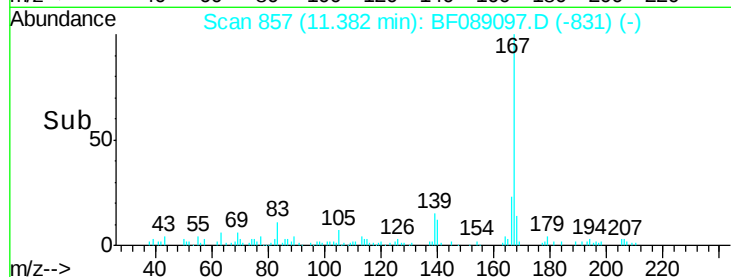
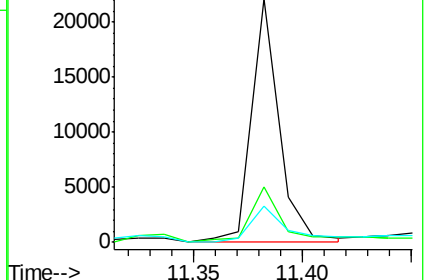
139 15.0 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 24.74 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

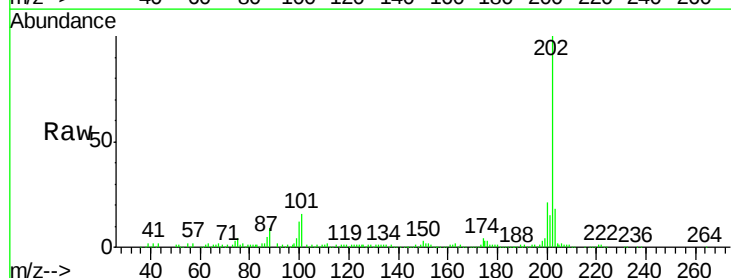
Tgt Ion:202 Resp: 172587

Ion Ratio Lower Upper

202 100

101 16.3 0.0 33.1

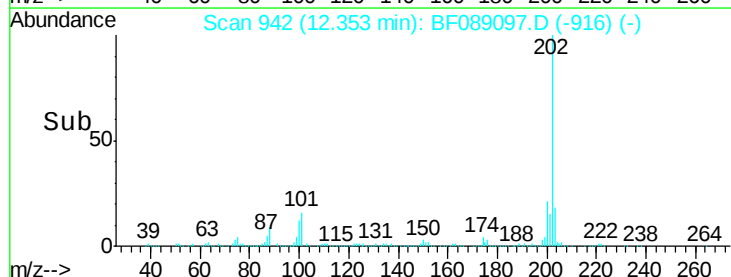
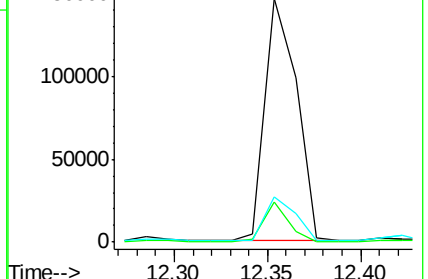
203 18.4 0.0 38.1

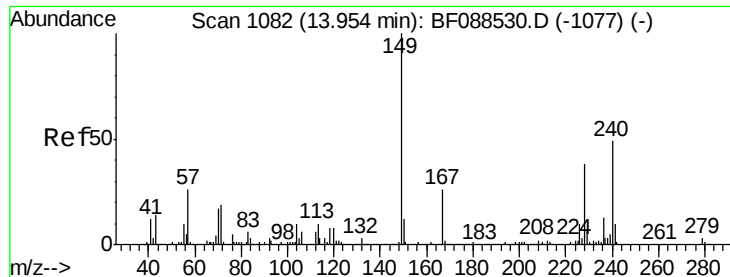


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.78 min Scan# 1067

Delta R.T. 0.01 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampled :

C5-4

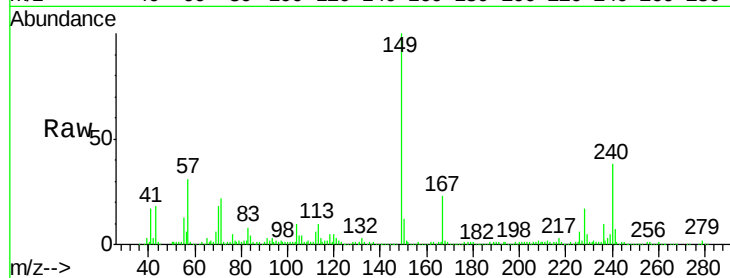
Tot Ion:240 Resp: 99573

Ion Ratio Lower Upper

240 100

120 13.1 6.8 10.2#

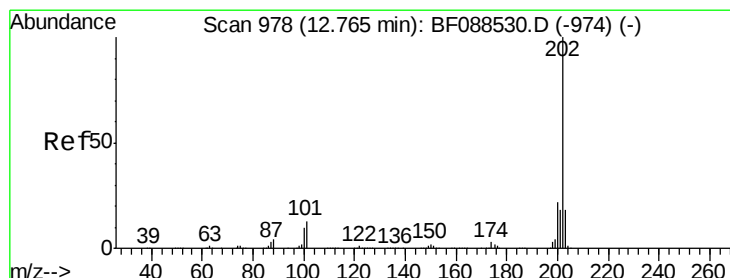
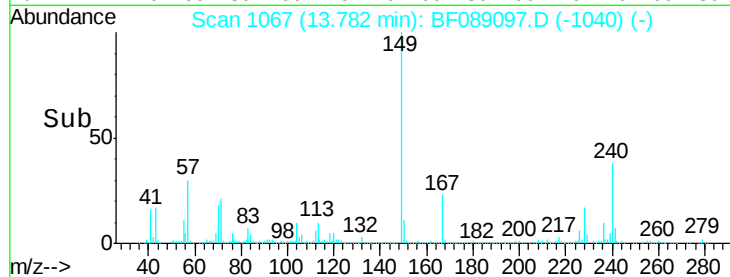
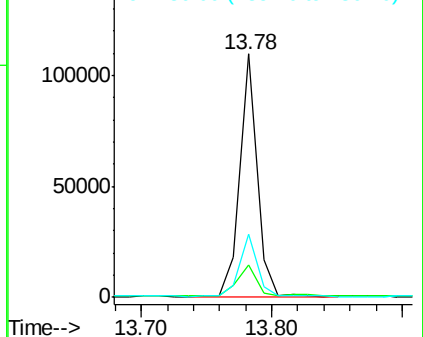
236 26.0 20.2 30.2



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: 26.60 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

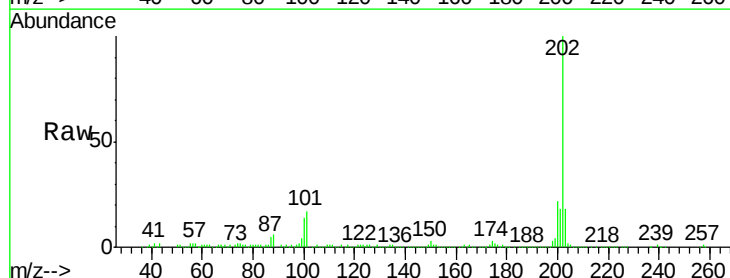
Tgt Ion:202 Resp: 224564

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

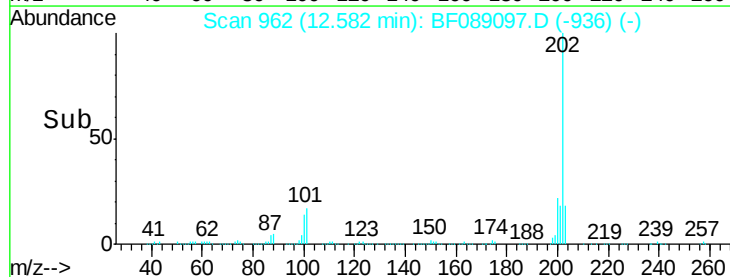
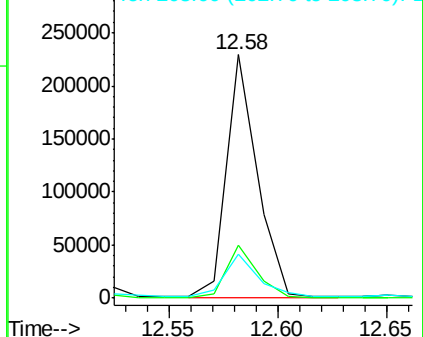
203 18.2 14.5 21.7

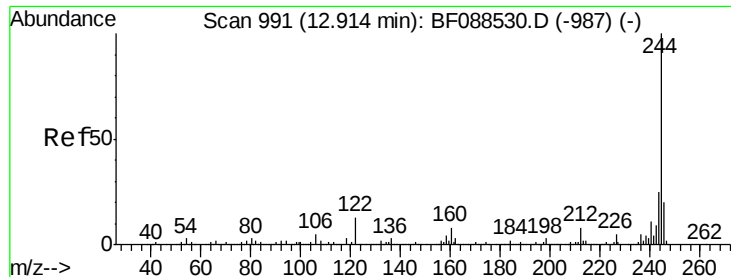


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.36 ng

RT: 12.74 min Scan# 976

Delta R.T. 0.01 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampleId :

C5-4

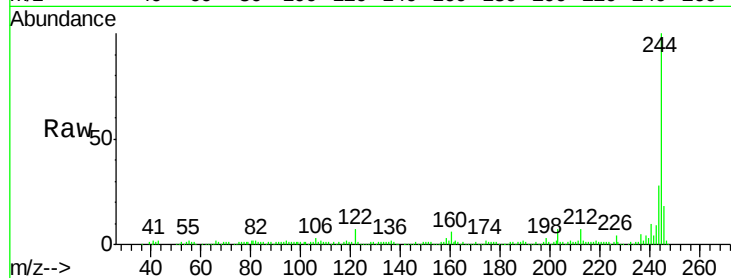
Tot Ion:244 Resp: 274294

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

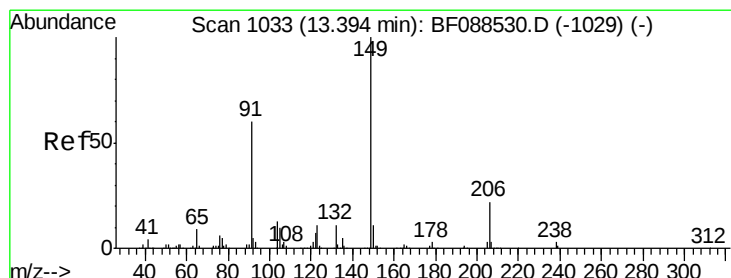
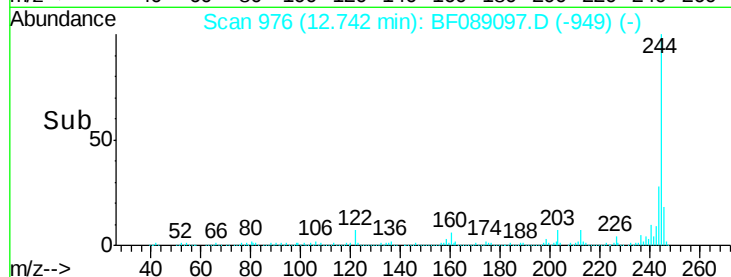
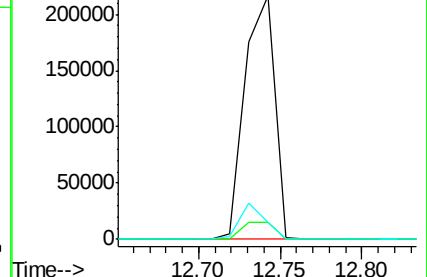
122 7.0 11.2 16.8#



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



#79

Butylbenzylphthalate

Concen: 25.44 ng

RT: 13.22 min Scan# 1018

Delta R.T. 0.01 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

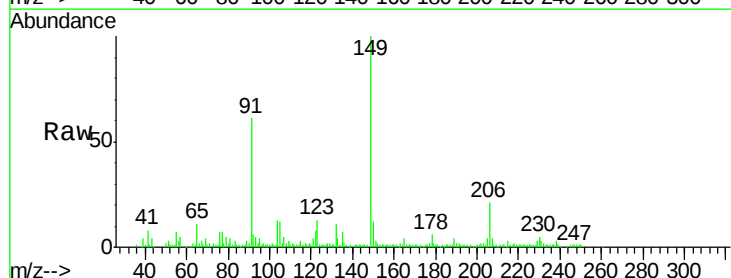
Tgt Ion:149 Resp: 95798

Ion Ratio Lower Upper

149 100

91 60.8 48.0 72.0

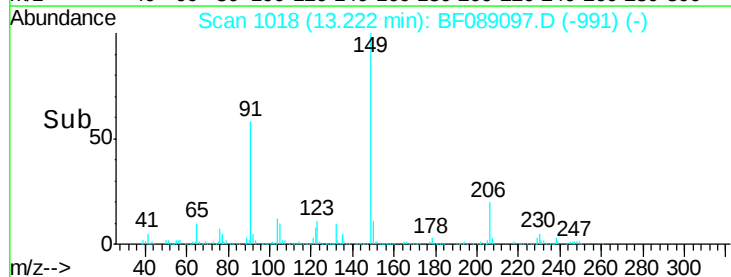
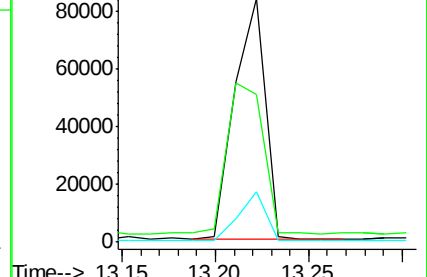
206 20.6 16.0 24.0

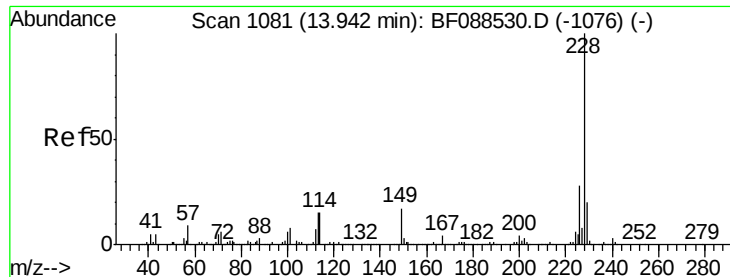


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 23.39 ng m

RT: 13.77 min Scan# 1066

Delta R.T. 0.01 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampleId :

C5-4

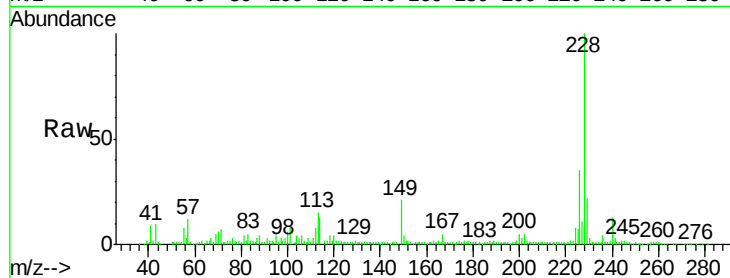
Tot Ion:228 Resp: 149959

Ion Ratio Lower Upper

228 100

226 34.6 22.3 33.5#

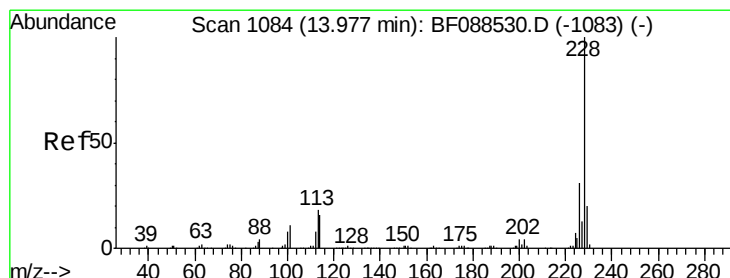
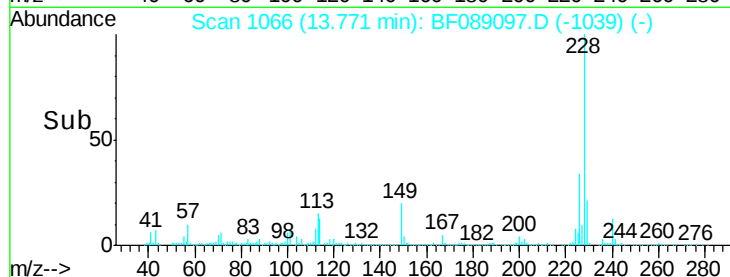
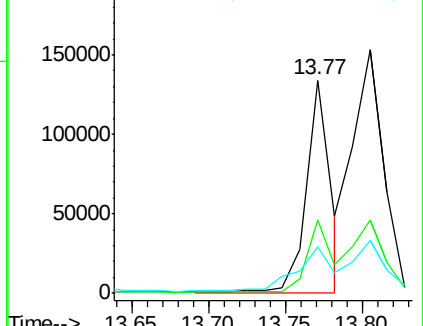
229 21.7 16.0 24.0



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: 34.09 ng m

RT: 13.81 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

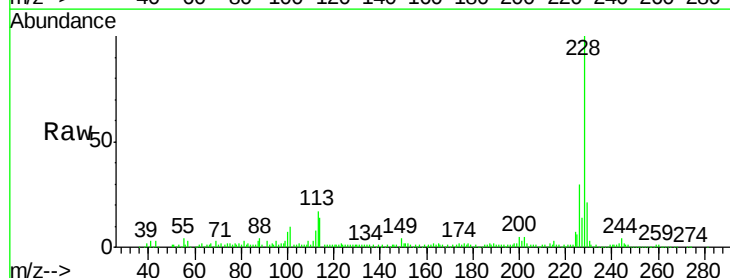
Tgt Ion:228 Resp: 216274

Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.2

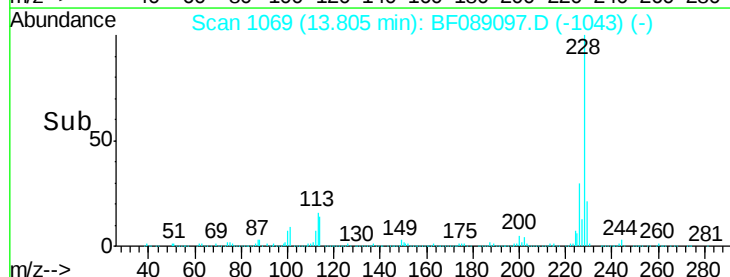
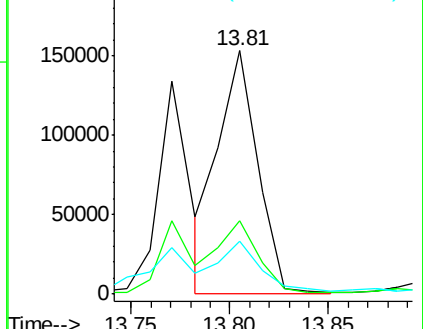
229 21.5 16.3 24.5

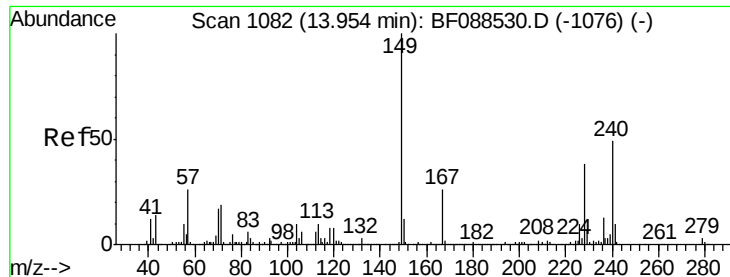


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

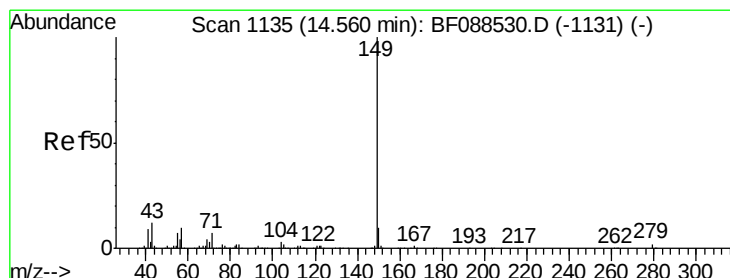
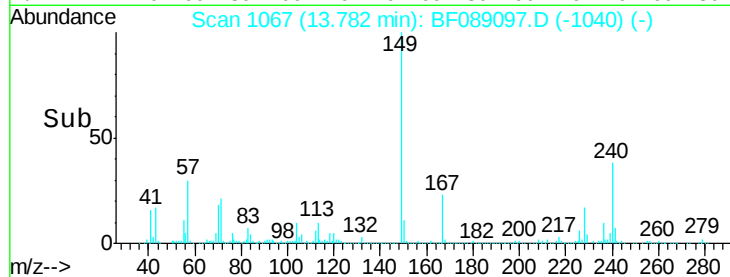
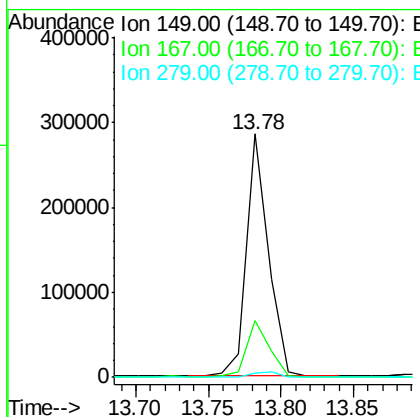
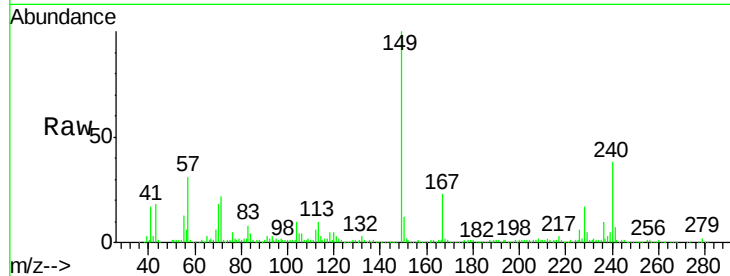




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 68.85 ng
 RT: 13.78 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: BF089097.D
 Acq: 18 Jul 2016 22:41

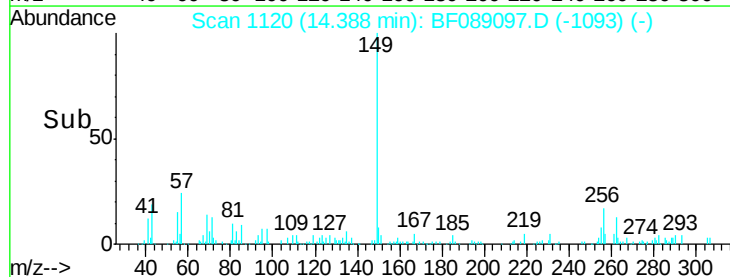
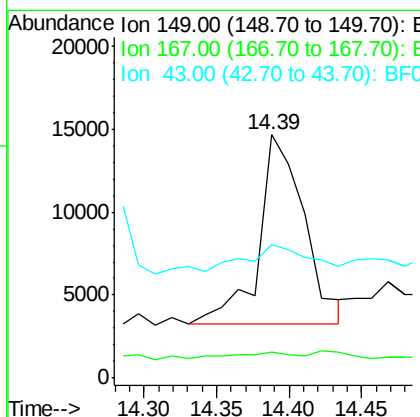
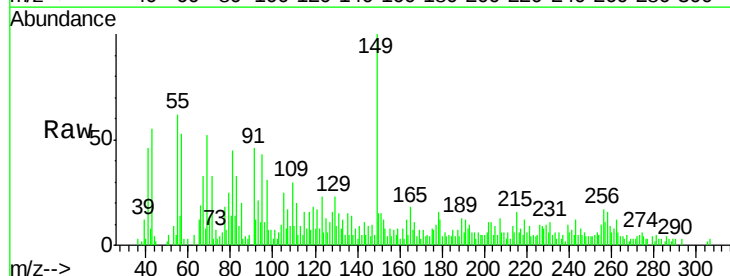
Instrument :
 BNA_F
 ClientSampleId :
 C5-4

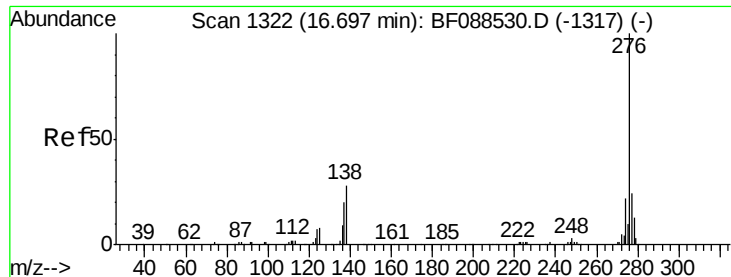
Tot Ion	Ratio	Lower	Upper
149	100		
167	23.5	20.5	30.7
279	2.0	2.0	3.0



#84
 Di-n-octyl phthalate
 Concen: 3.42 ng
 RT: 14.39 min Scan# 1120
 Delta R.T. 0.01 min
 Lab File: BF089097.D
 Acq: 18 Jul 2016 22:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	4.7	0.0	0.0
43	19.4	0.0	0.0





#85

Indeno(1,2,3-cd)pyrene

Concen: 21.01 ng

RT: 16.41 min Scan# 1297

Delta R.T. 0.03 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampleId :

C5-4

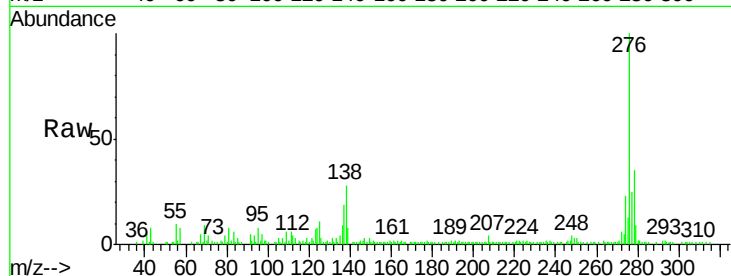
Tot Ion:276 Resp: 102531

Ion Ratio Lower Upper

276 100

138 26.5 0.0 0.0#

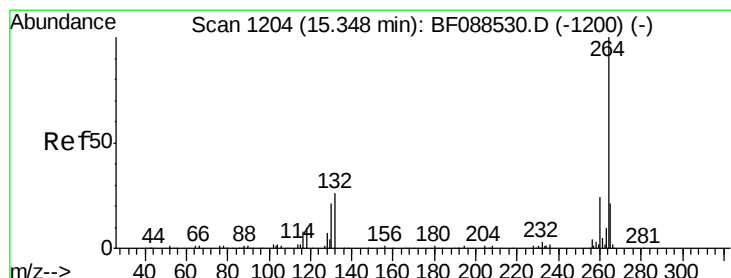
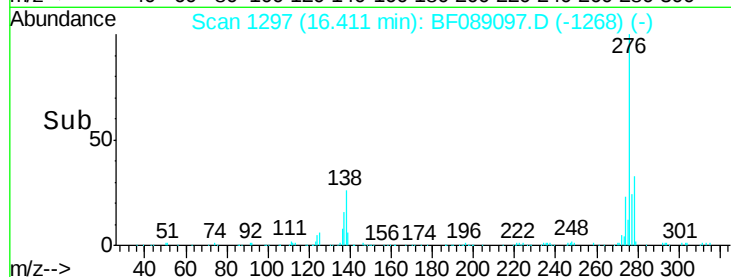
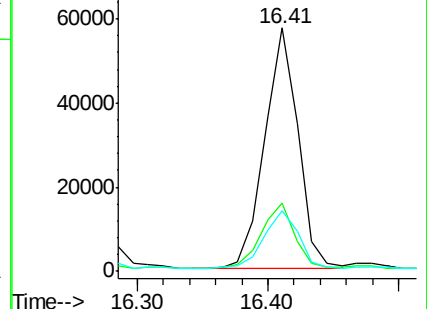
277 25.1 0.0 0.0#



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: 15.14 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

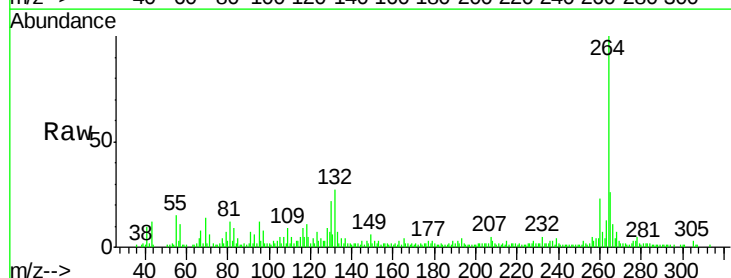
Tgt Ion:264 Resp: 83548

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

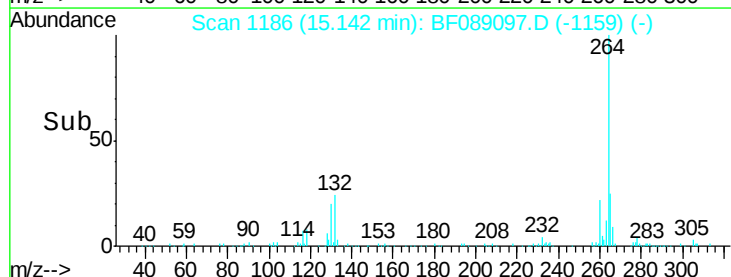
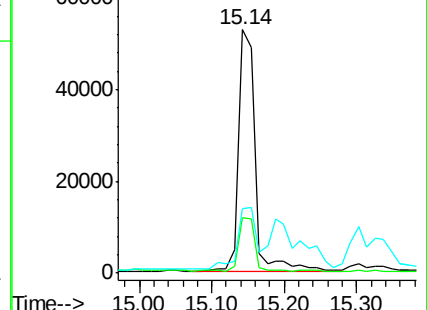
265 26.4 16.9 25.3#

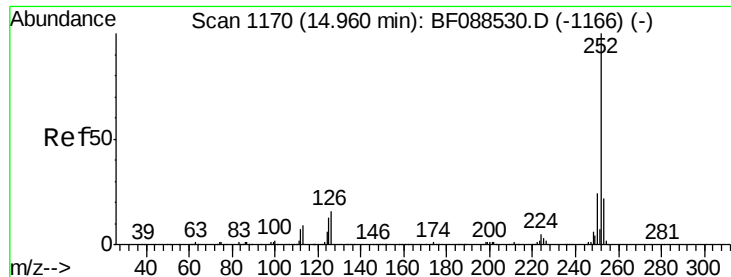


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 83.29 ng m

RT: 14.79 min Scan# 1155

Delta R.T. 0.02 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampleId :

C5-4

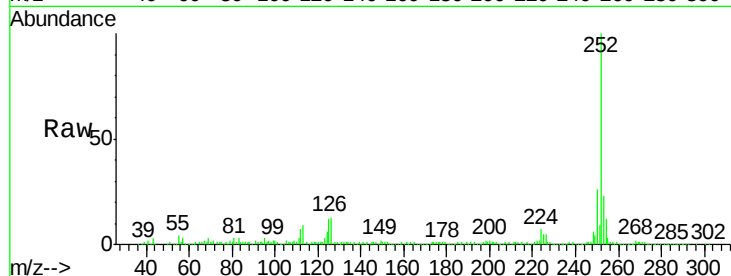
Tot Ion:252 Resp: 436506

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

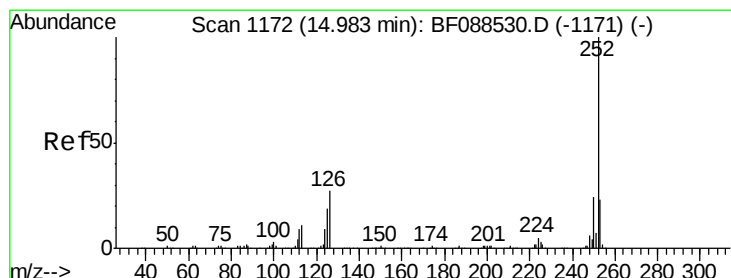
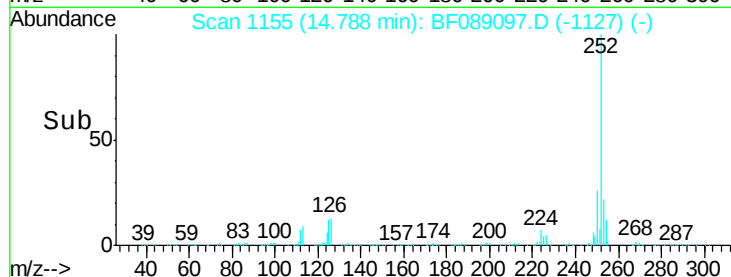
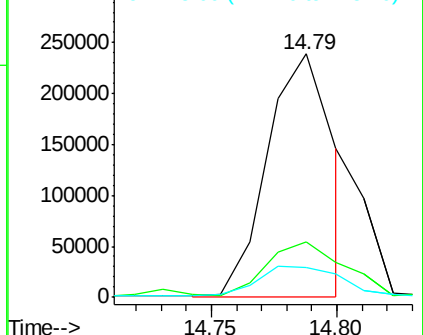
125 12.4 7.1 10.7#



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: 15.66 ng m

RT: 14.80 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

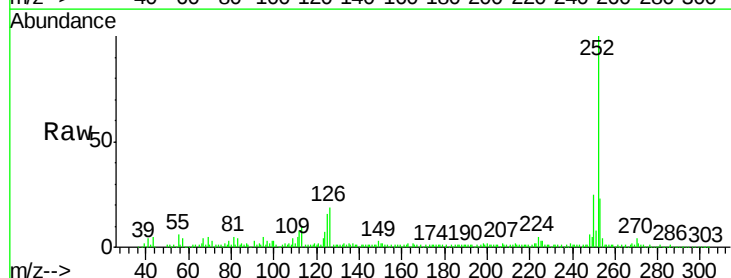
Tgt Ion:252 Resp: 71456

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

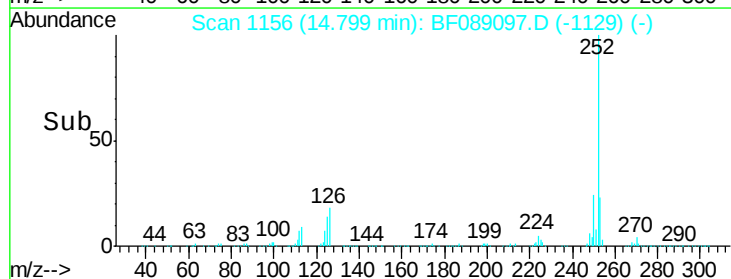
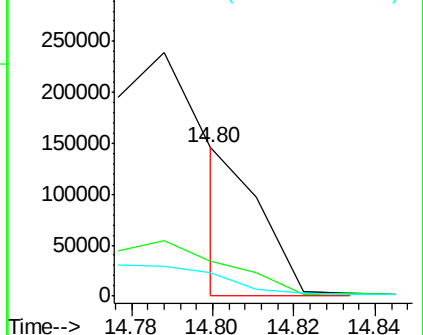
125 15.6 11.2 16.8

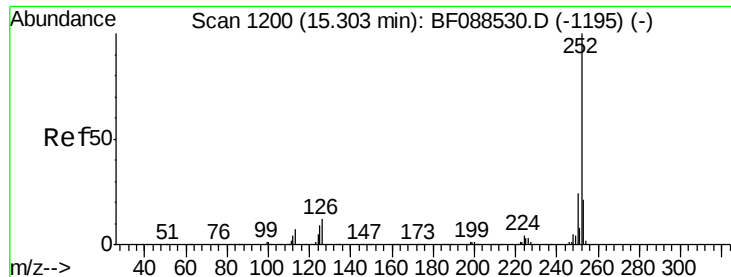


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 23.88 ng

RT: 15.10 min Scan# 1182

Delta R.T. 0.02 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampled :

C5-4

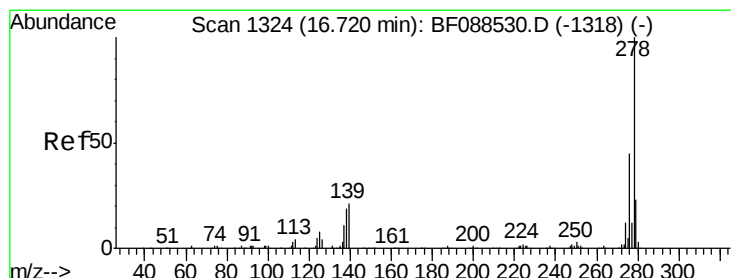
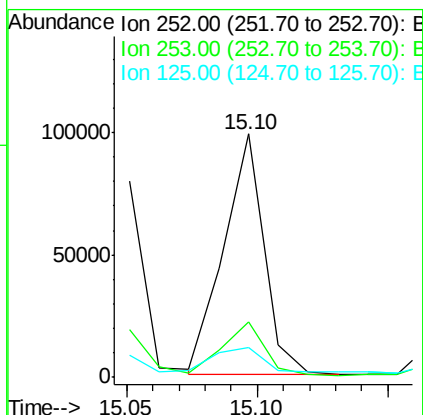
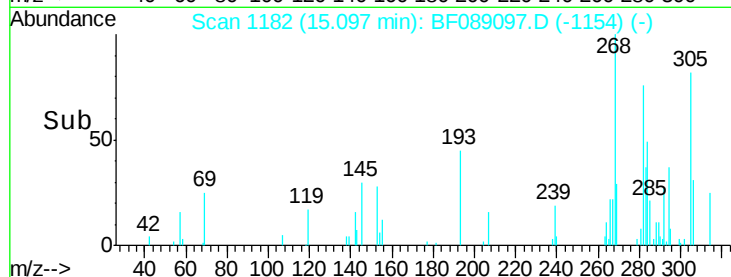
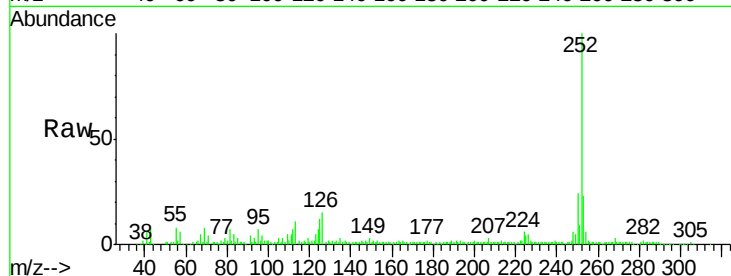
Tot Ion:252 Resp: 105952

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 12.2 12.5 18.7#



#90

Dibenzo(a,h)anthracene

Concen: 11.33 ng

RT: 16.41 min Scan# 1297

Delta R.T. 0.02 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

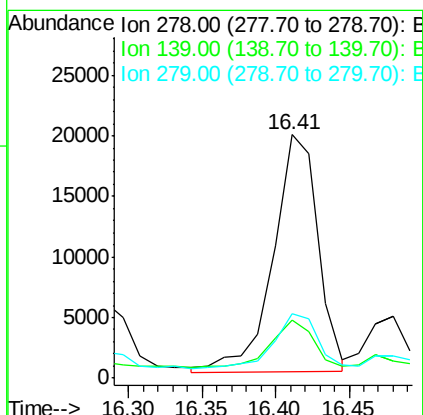
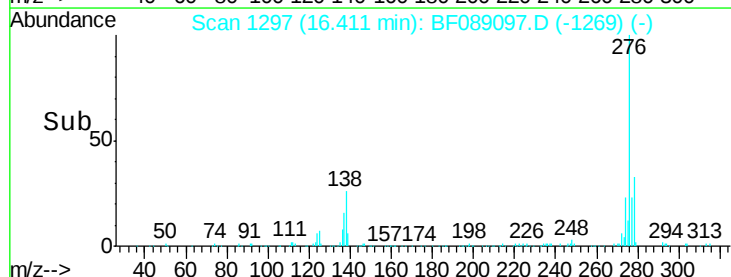
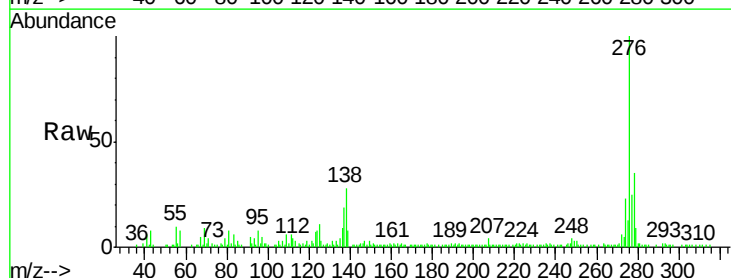
Tgt Ion:278 Resp: 41984

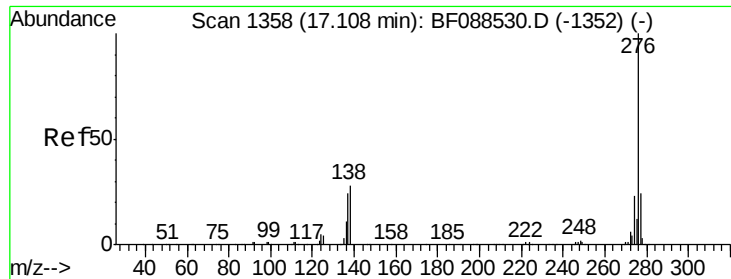
Ion Ratio Lower Upper

278 100

139 24.1 15.7 23.5#

279 26.5 19.4 29.2





#91

Benzo(a,h,i)perylene

Concen: 23.02 ng

RT: 16.79 min Scan# 1330

Delta R.T. 0.03 min

Lab File: BF089097.D

Acq: 18 Jul 2016 22:41

Instrument :

BNA_F

ClientSampleId :

C5-4

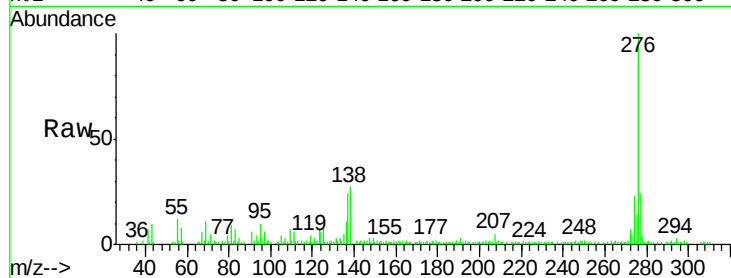
Tot Ion:276 Resp: 88269

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 26.6 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

