

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
 Data File : BF088687.D
 Acq On : 4 Jul 2016 11:09
 Operator : UM/SJ
 Sample : H3869-06
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B3(00-0.5)

Quant Time: Jul 05 00:49:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

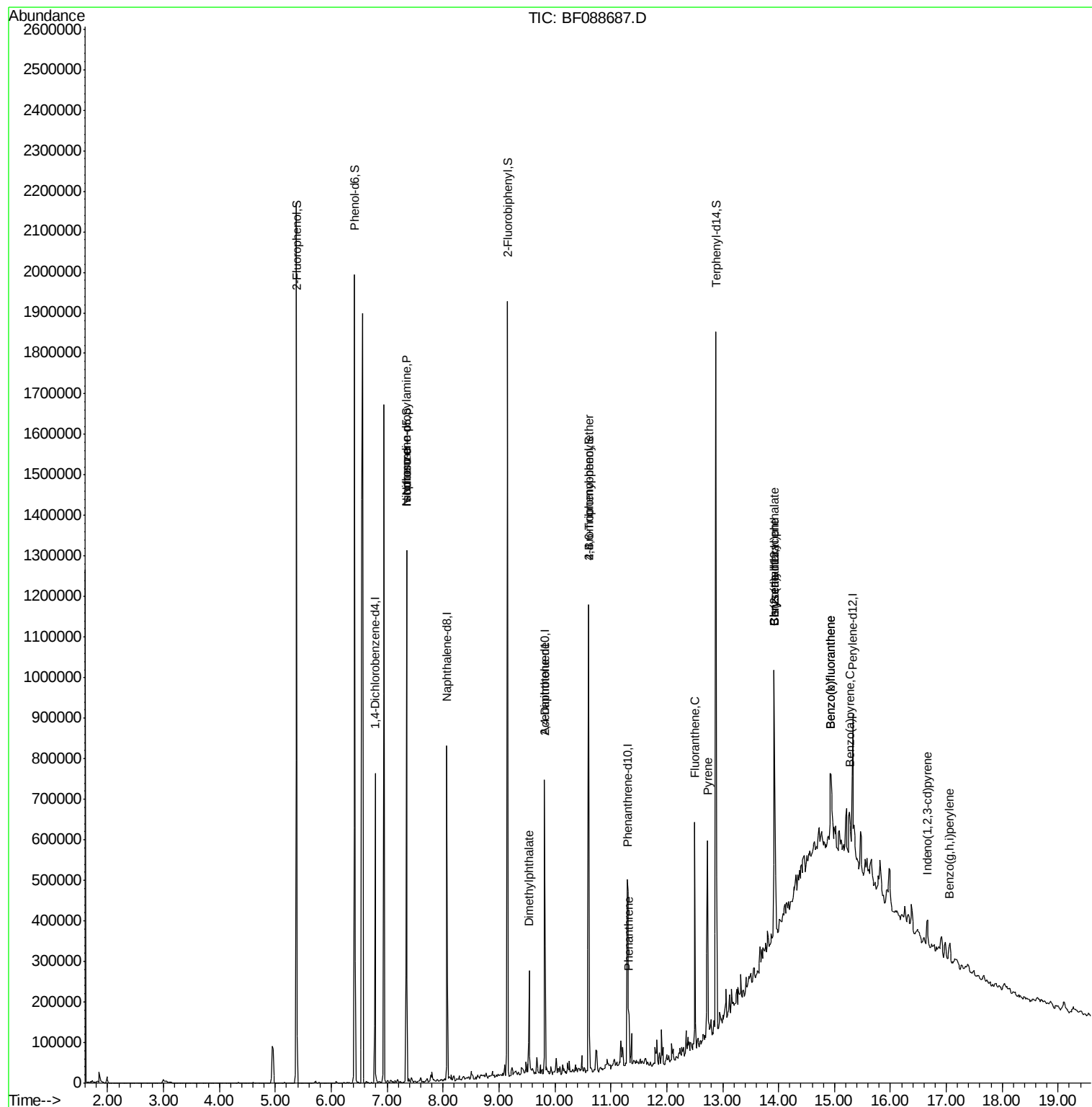
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	104426	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	359338	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	143449	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	236255	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	184354	20.00	ng	-0.03
86) Perylene-d12	15.33	264	143651	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	597139	85.70	ng	-0.02
7) Phenol-d6	6.42	99	724102	80.43	ng	-0.02
23) Nitrobenzene-d5	7.35	82	443791	64.72	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	117008	87.84	ng	-0.03
44) 2-Fluorobiphenyl	9.15	172	808668	89.05	ng	-0.02
78) Terphenyl-d14	12.88	244	496375	59.97	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	61177	10.12	ng	# 73
25) Isophorone	7.35	82	379492	29.88	ng	# 65
49) Dimethylphthalate	9.54	163	96031	9.40	ng	98
56) 2,4-Dinitrotoluene	9.82	165	19237	6.50	ng	# 39
66) 4-Bromophenyl-phenylether	10.60	248	8674	3.64	ng	# 1
70) Phenanthrene	11.32	178	73280	5.67	ng	97
74) Fluoranthene	12.50	202	193593	14.79	ng	98
77) Pyrene	12.73	202	190403	12.18	ng	98
80) Benzo(a)anthracene	13.92	228	107928	9.09	ng	96
82) Chrysene	13.92	228	107928	9.19	ng	96
83) Bis(2-ethylhexyl)phthalate	13.92	149	15980	2.01	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.66	276	34253	3.79	ng	# 100
87) Benzo(b)fluoranthene	14.93	252	122812	13.63	ng	# 83
88) Benzo(k)fluoranthene	14.93	252	122812	15.66	ng	# 88
89) Benzo(a)pyrene	15.27	252	63454	8.32	ng	95
91) Benzo(g,h,i)perylene	17.06	276	33156	5.03	ng	# 92

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

Instrument :

BNA_F

ClientSampleId :

EPCH-B3(00-0.5)

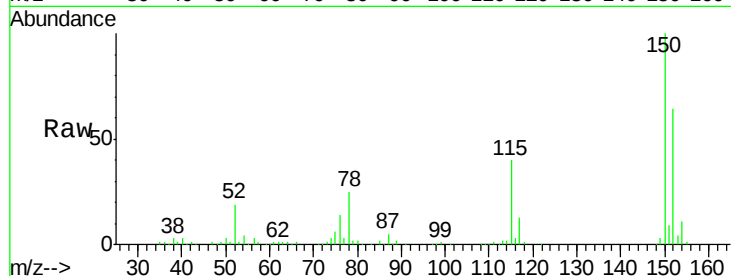
Tgt Ion:152 Resp: 104426

Ion Ratio Lower Upper

152 100

150 155.4 123.8 185.6

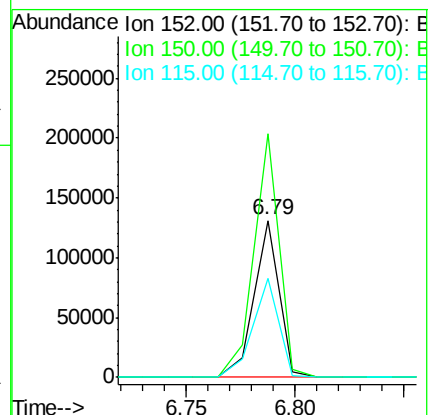
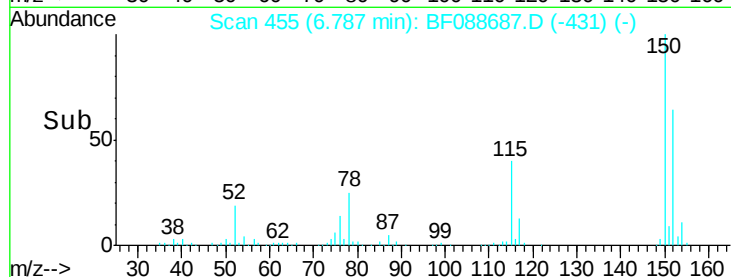
115 62.9 39.6 59.4#



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: 85.70 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

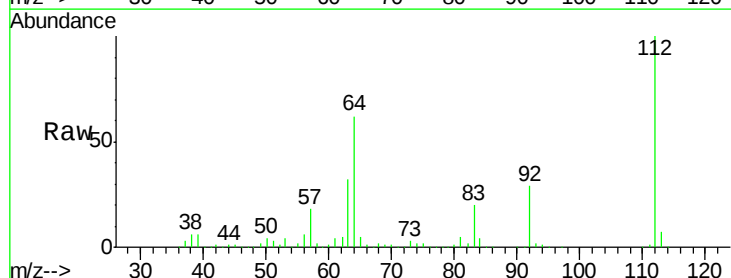
Tgt Ion:112 Resp: 597139

Ion Ratio Lower Upper

112 100

64 61.6 42.2 63.2

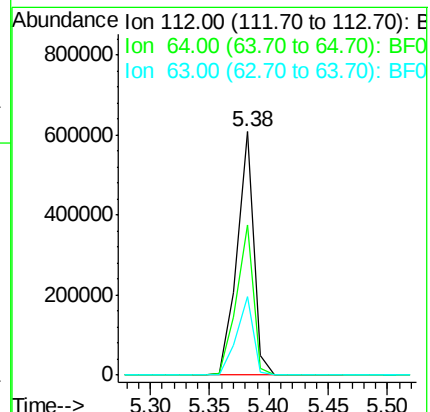
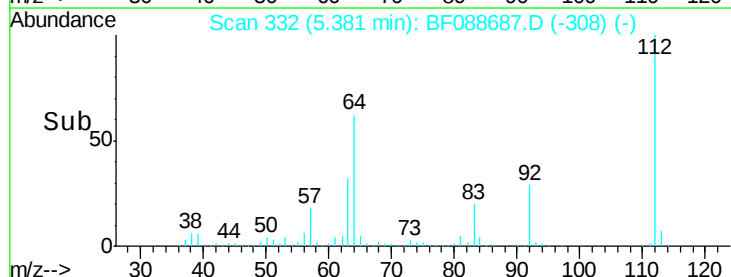
63 32.2 21.8 32.8



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: 80.43 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

Instrument :

BNA_F

ClientSampleId :

EPCH-B3(00-0.5)

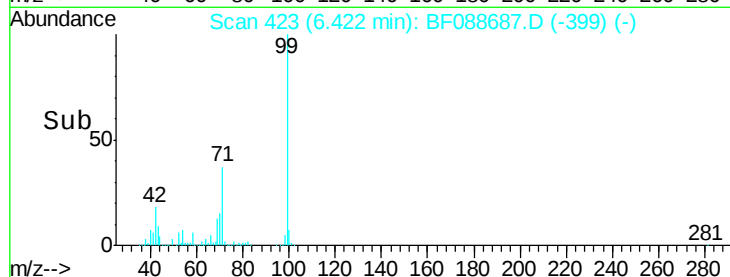
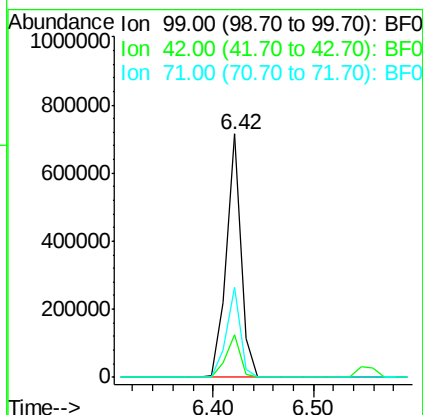
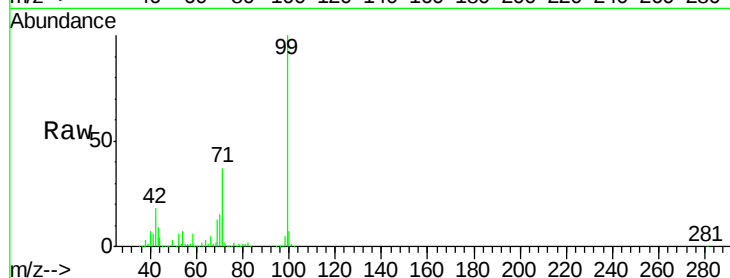
Tgt Ion: 99 Resp: 724102

Ion Ratio Lower Upper

99 100

42 17.7 12.2 18.2

71 36.8 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 10.12 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.11 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

Tgt Ion: 70 Resp: 61177

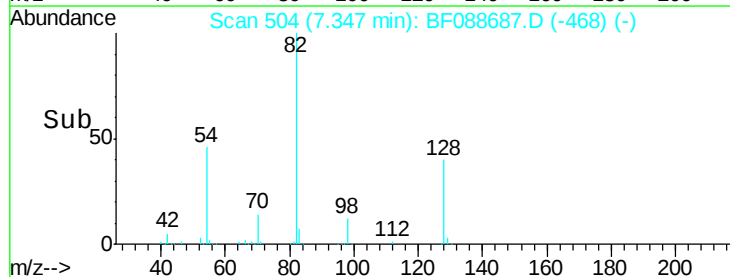
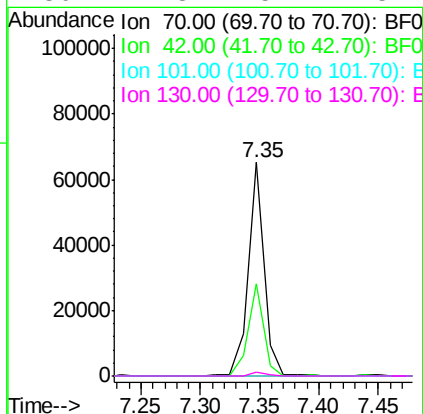
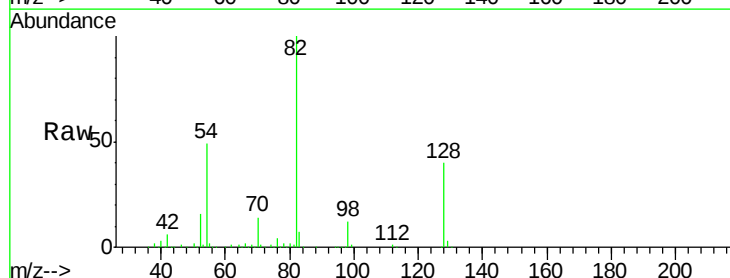
Ion Ratio Lower Upper

70 100

42 43.2 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. -0.03 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

Instrument :

BNA_F

ClientSampleId :

EPCH-B3(00-0.5)

Tgt Ion:136 Resp: 359338

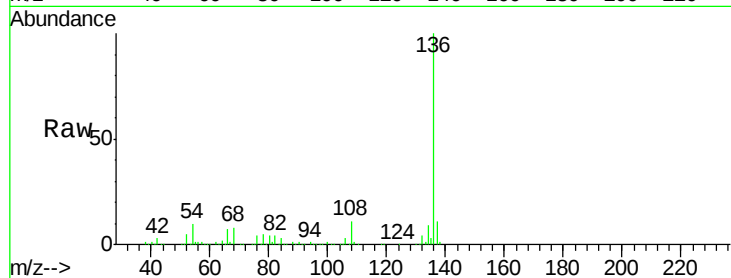
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 10.1 6.6 10.0#

68 8.1 5.1 7.7#

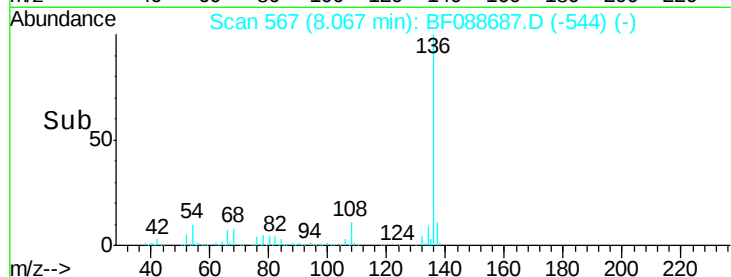


Abundance Ion 136.00 (135.70 to 136.70): E

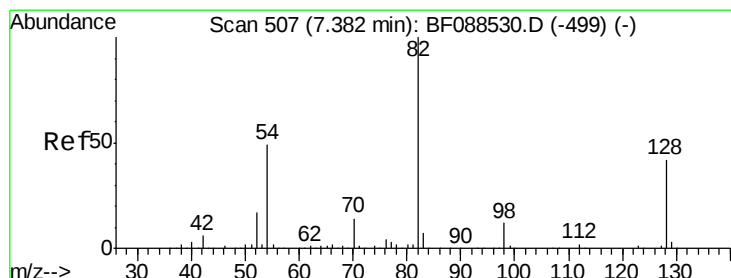
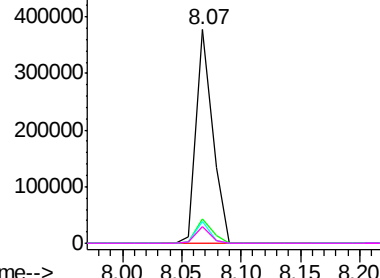
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 64.72 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.03 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

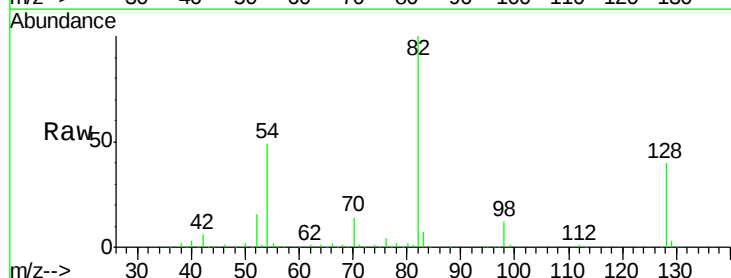
Tgt Ion: 82 Resp: 443791

Ion Ratio Lower Upper

82 100

128 40.1 35.9 53.9

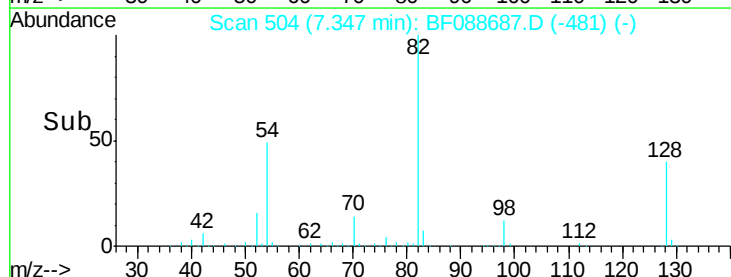
54 49.2 40.9 61.3



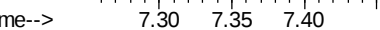
Abundance Ion 82.00 (81.70 to 82.70): BF0

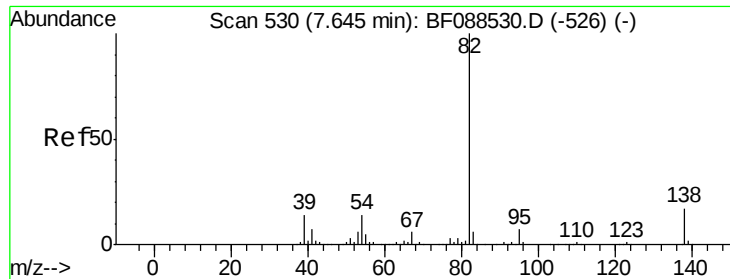
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 29.88 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.30 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

Instrument :

BNA_F

ClientSampleId :

EPCH-B3(00-0.5)

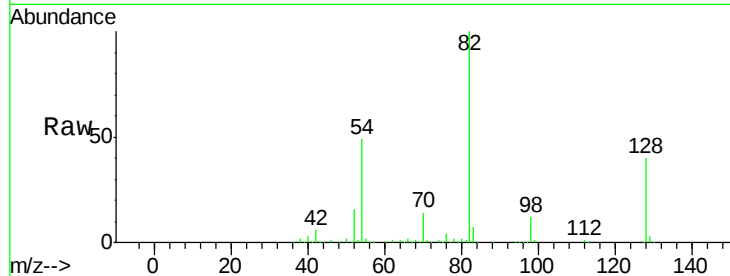
Tgt Ion: 82 Resp: 379492

Ion Ratio Lower Upper

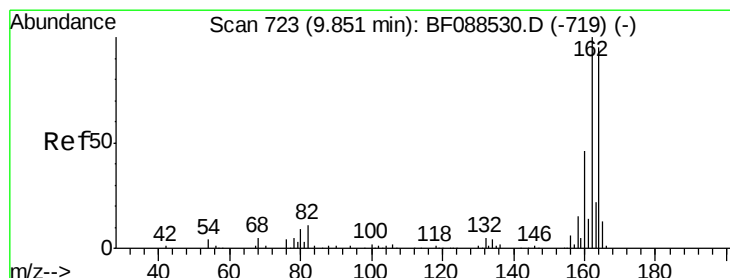
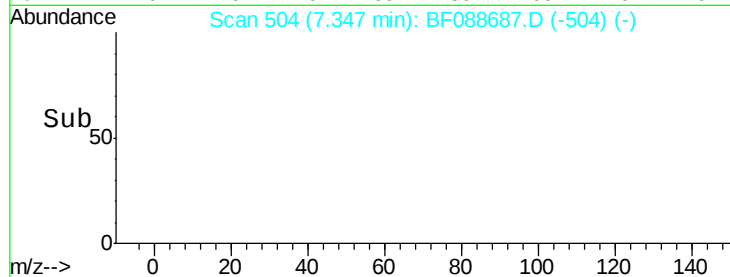
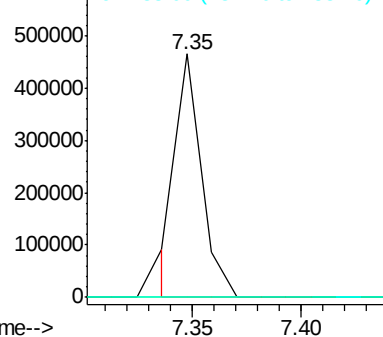
82 100

95 0.1 5.4 8.2#

138 0.0 14.6 21.8#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

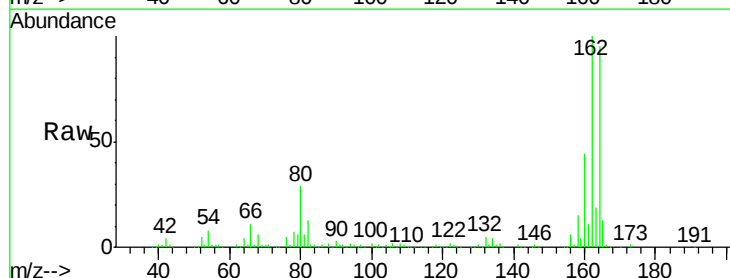
Tgt Ion:164 Resp: 143449

Ion Ratio Lower Upper

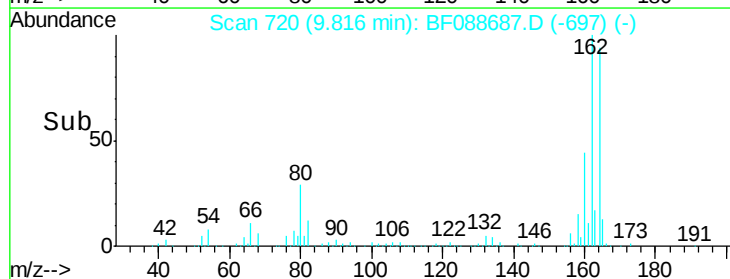
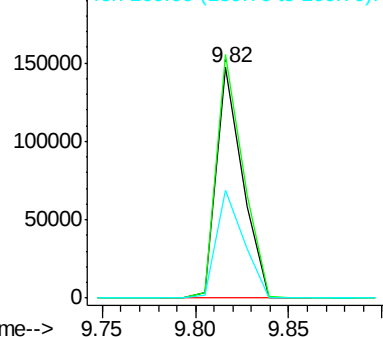
164 100

162 105.7 85.4 128.2

160 46.6 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

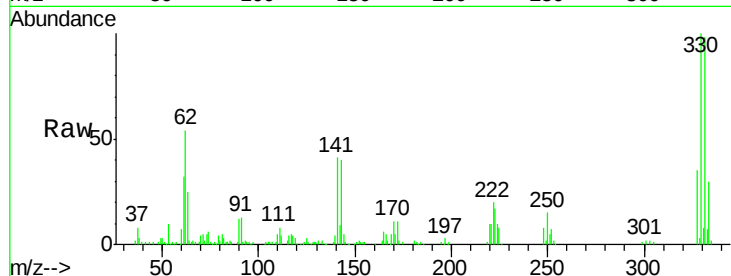




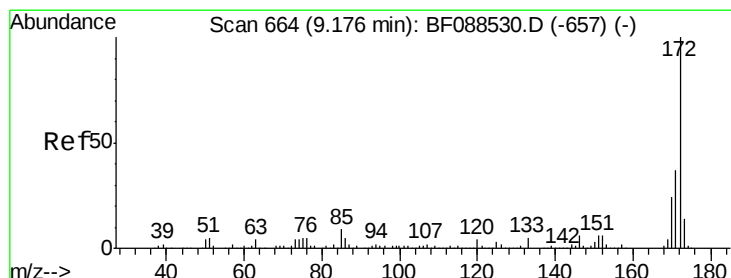
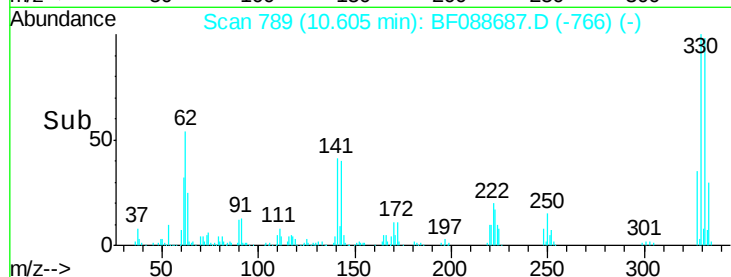
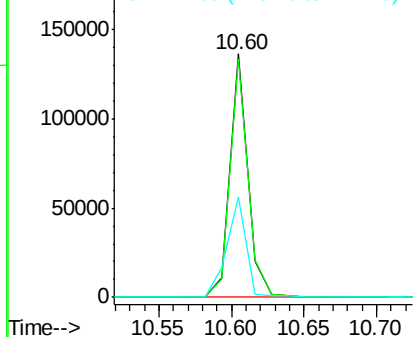
#41
 2,4,6-Tribromophenol
 Concen: 87.84 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF088687.D
 Acq: 4 Jul 2016 11:09

Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B3(00-0.5)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	0.0	0.0#
141	46.4	0.0	0.0#

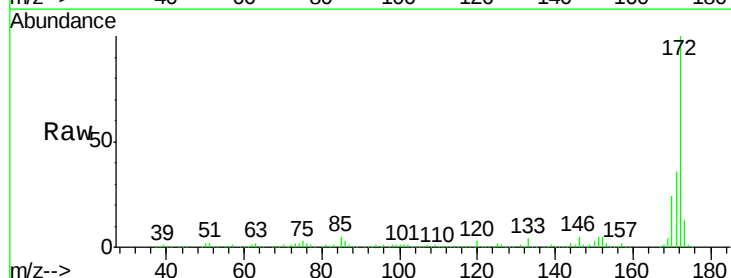


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

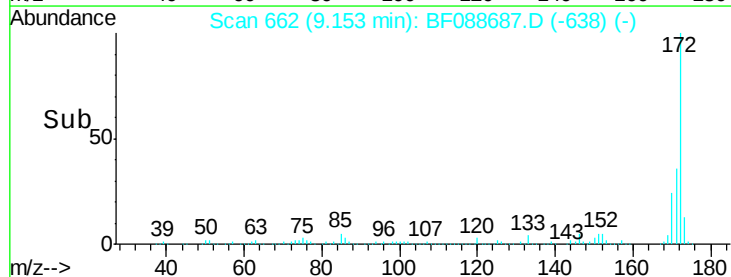
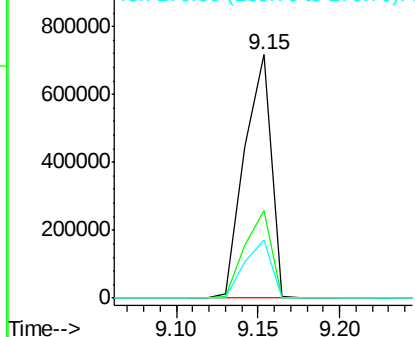


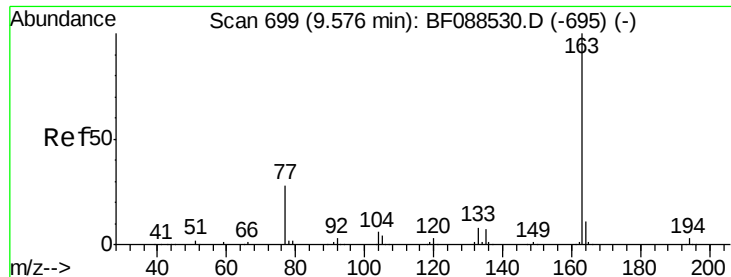
#44
 2-Fluorobiphenyl
 Concen: 89.05 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF088687.D
 Acq: 4 Jul 2016 11:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.7	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

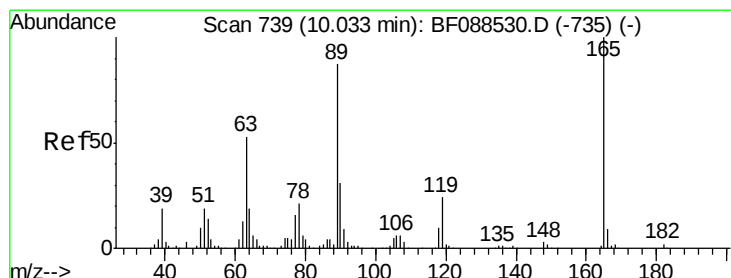
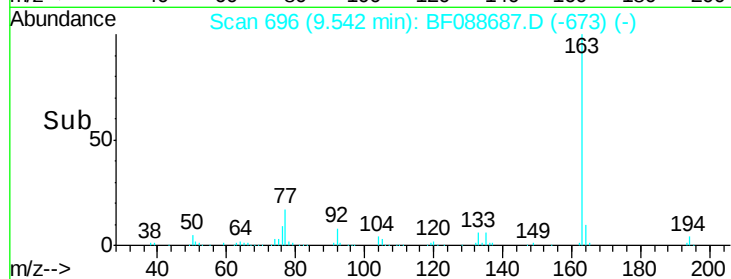
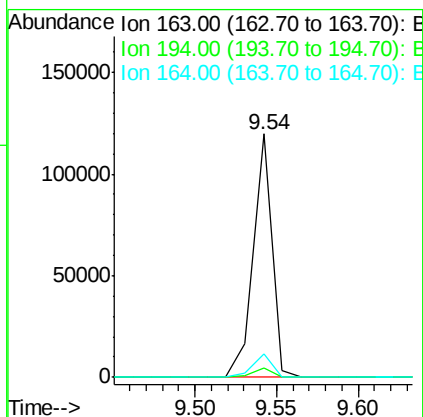
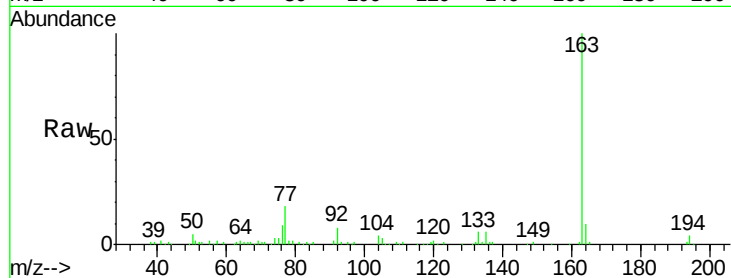




#49
Dimethylphthalate
Concen: 9.40 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

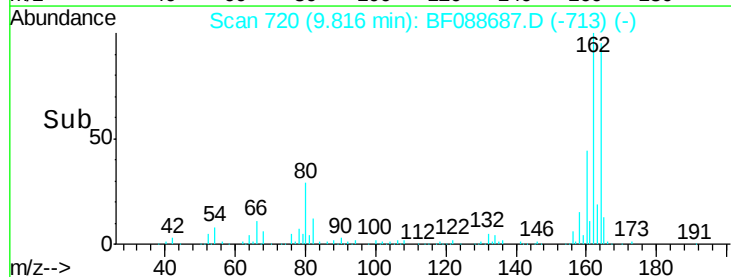
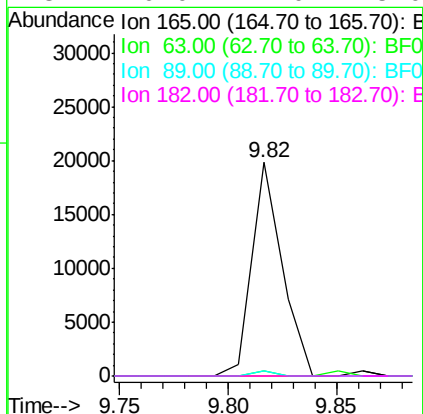
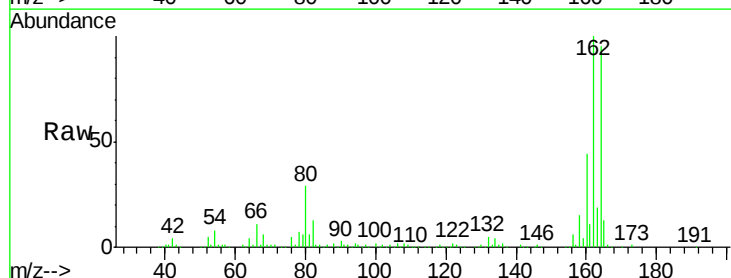
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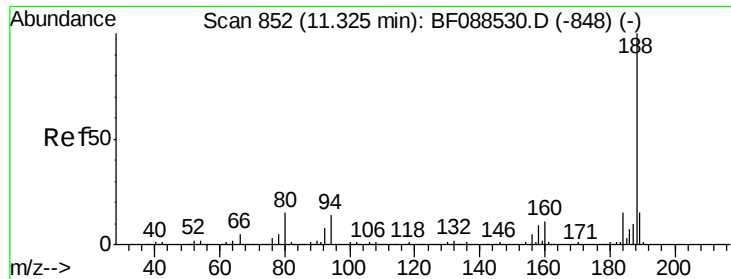
Tgt Ion:163 Resp: 96031
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 9.7 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.50 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.22 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:165 Resp: 19237
Ion Ratio Lower Upper
165 100
63 2.2 22.0 33.0#
89 2.3 41.1 61.7#
182 0.0 2.0 3.0#

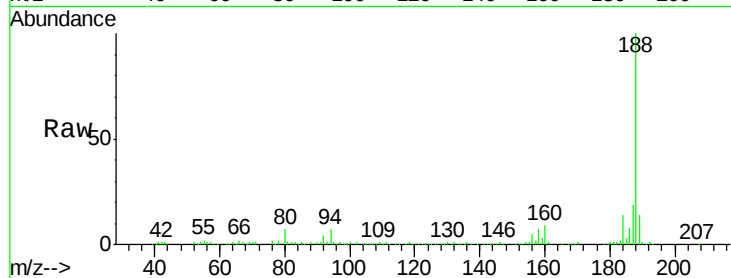




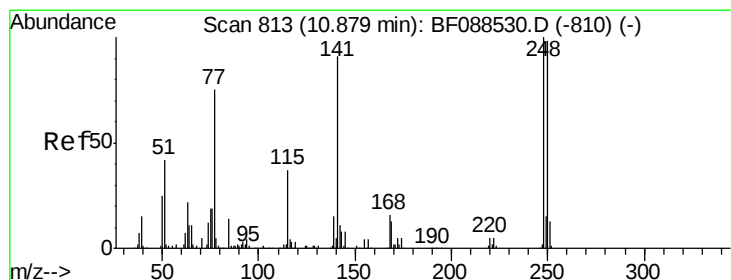
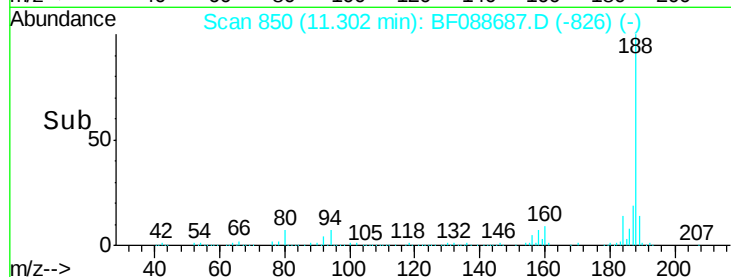
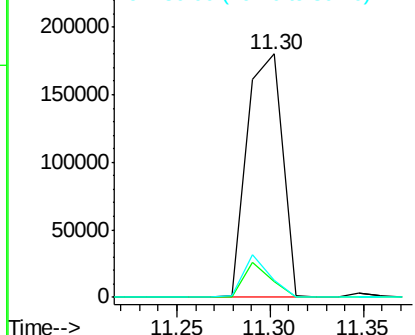
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.02 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Instrument :
BNA_F
ClientSampleId :
EPCH-B3(00-0.5)

Tgt Ion:188 Resp: 236255
Ion Ratio Lower Upper
188 100
94 6.7 9.0 13.6#
80 7.2 10.0 15.0#

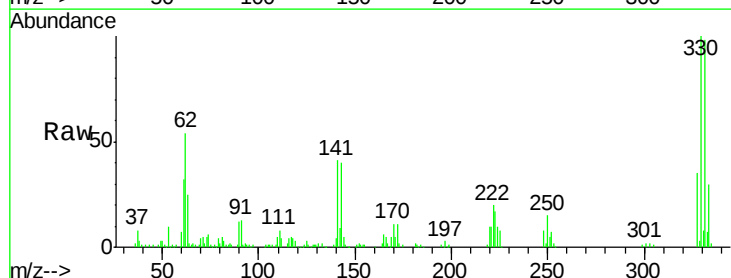


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

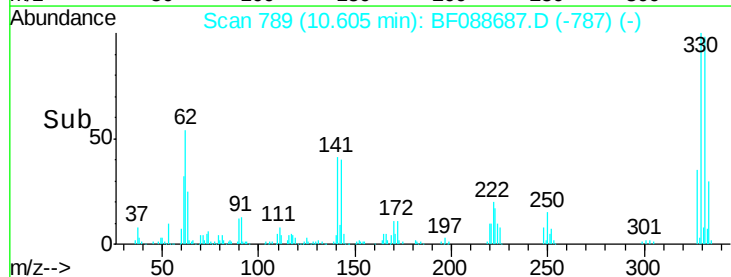
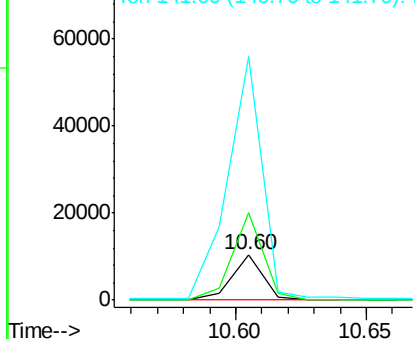


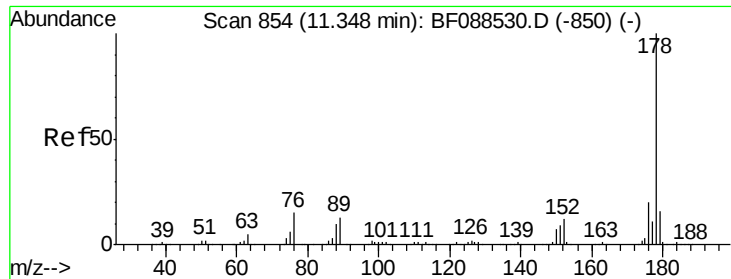
#66
4-Bromophenyl-phenylether
Concen: 3.64 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.27 min
Lab File: BF088687.D
Acq: 4 Jul 2016 11:09

Tgt Ion:248 Resp: 8674
Ion Ratio Lower Upper
248 100
250 193.7 77.1 115.7#
141 537.1 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: 5.67 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.02 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

Instrument :

BNA_F

ClientSampleId :

EPCH-B3(00-0.5)

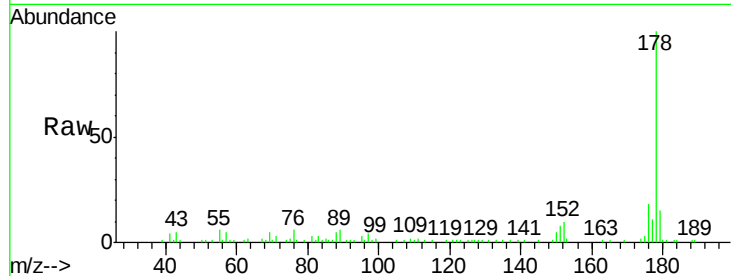
Tgt Ion:178 Resp: 73280

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.6

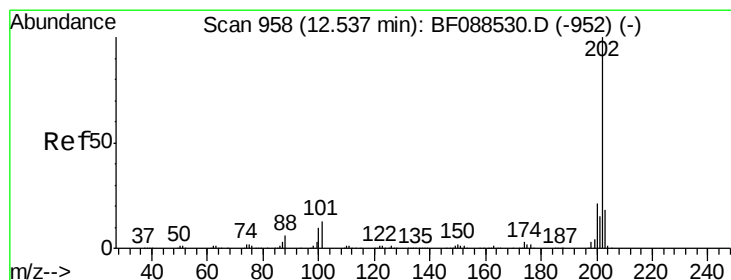
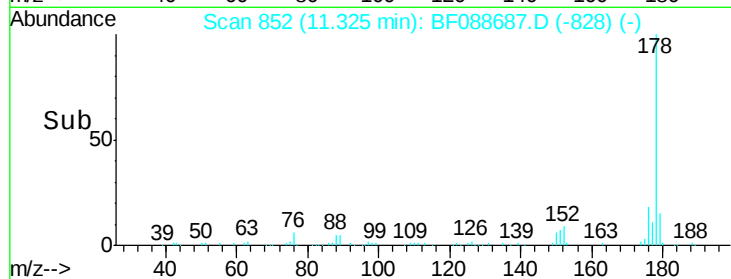
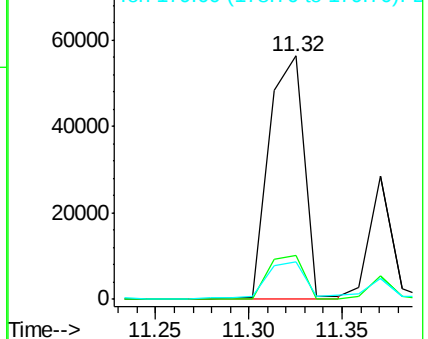
179 15.3 13.0 19.4



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: 14.79 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

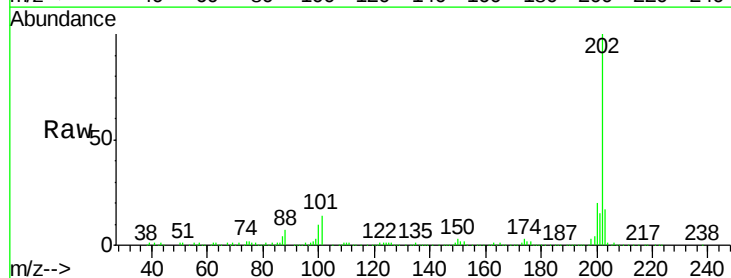
Tgt Ion:202 Resp: 193593

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.1

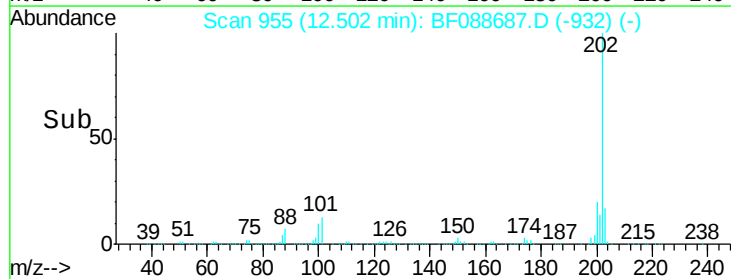
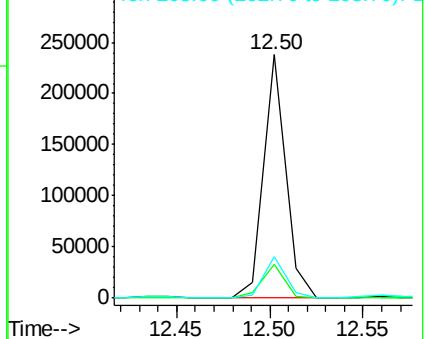
203 17.2 0.0 38.1

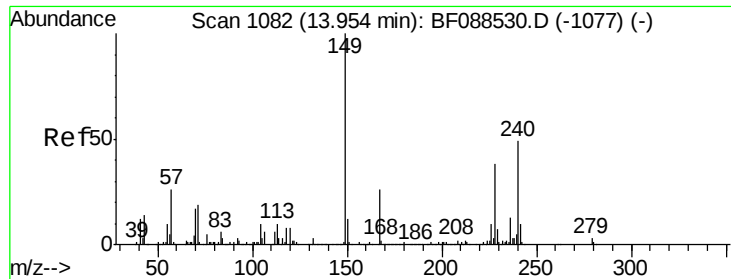


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.92 min Scan# 1079

Delta R.T. -0.03 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

Instrument :

BNA_F

ClientSampleId :

EPCH-B3(00-0.5)

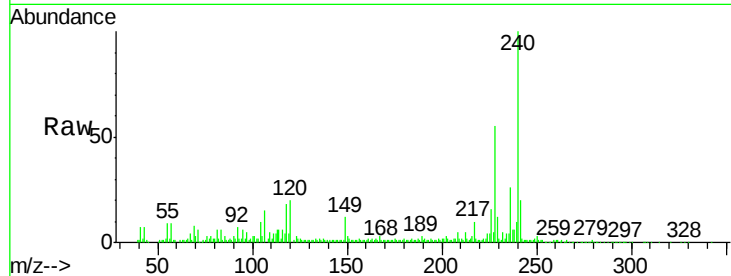
Tgt Ion:240 Resp: 184354

Ion Ratio Lower Upper

240 100

120 19.6 6.8 10.2#

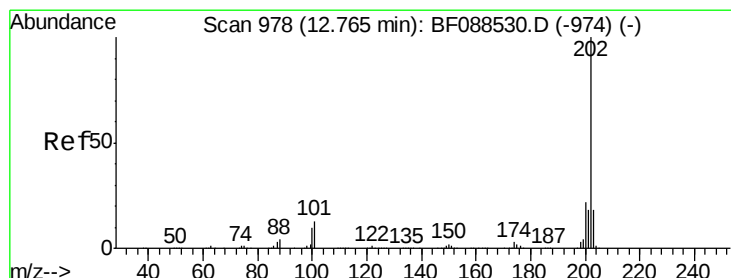
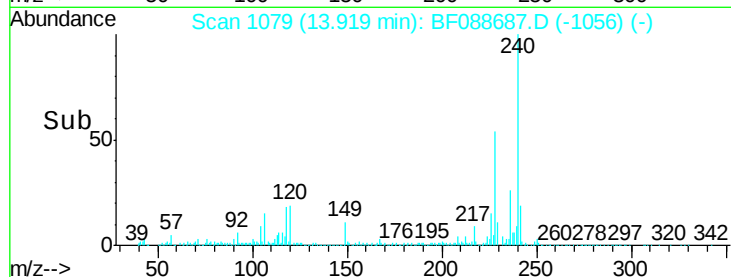
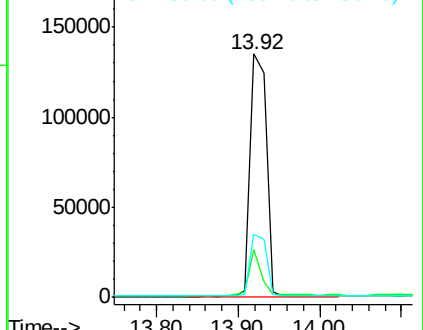
236 26.1 20.2 30.2



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: 12.18 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.03 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

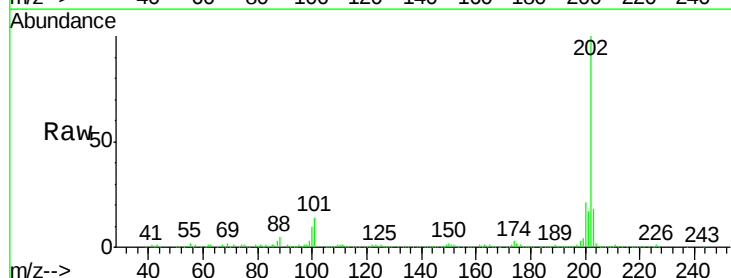
Tgt Ion:202 Resp: 190403

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

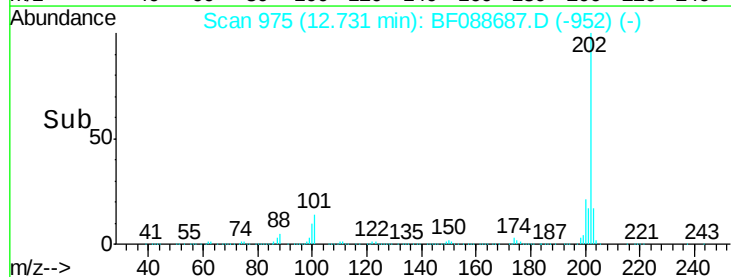
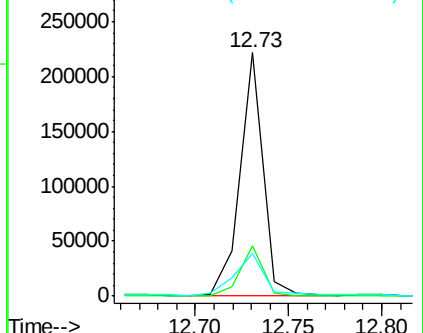
203 17.6 14.5 21.7

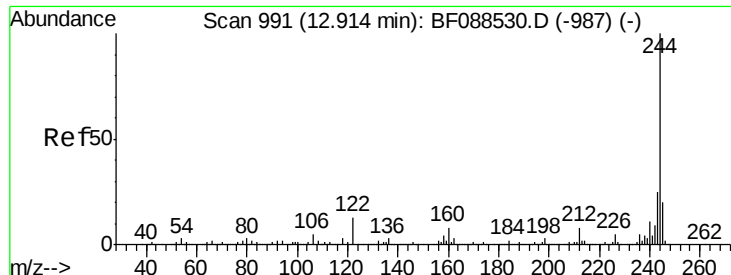


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

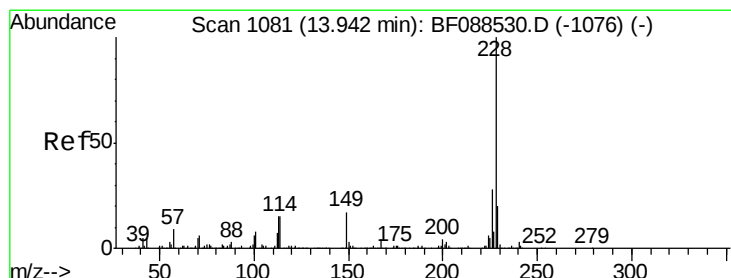
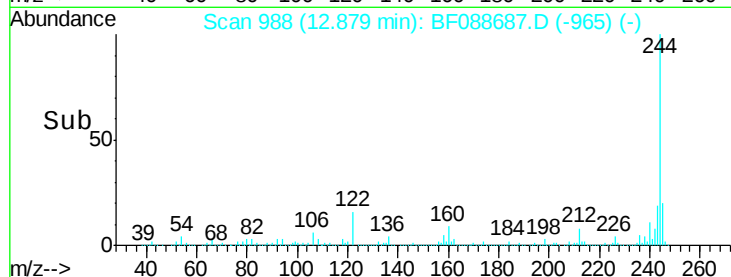
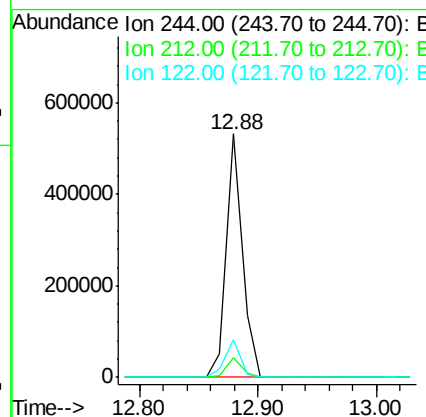
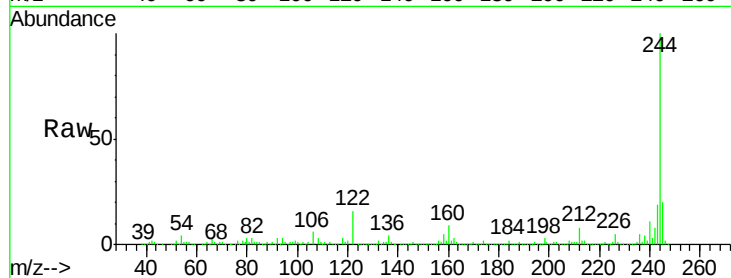




#78
 Terphenyl-d14
 Concen: 59.97 ng
 RT: 12.88 min Scan# 988
 Delta R.T. -0.03 min
 Lab File: BF088687.D
 Acq: 4 Jul 2016 11:09

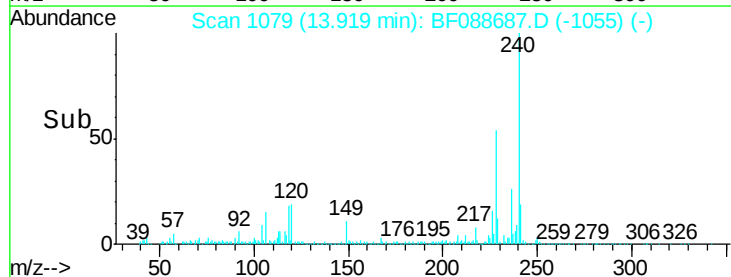
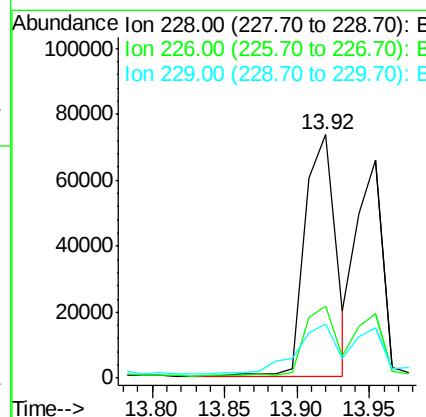
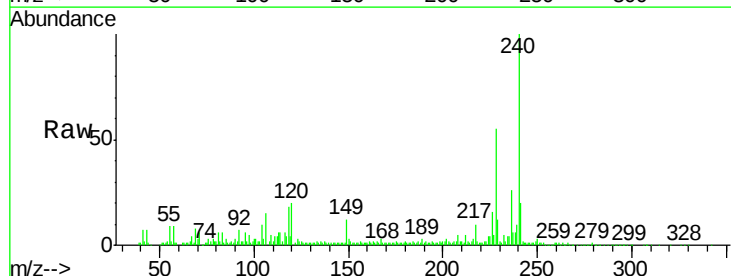
Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B3(00-0.5)

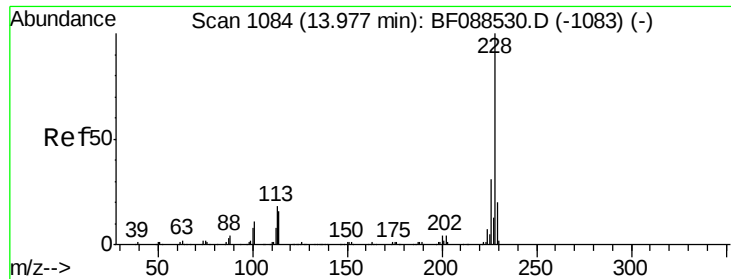
Tgt Ion:244 Resp: 496375
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.0 9.0
 122 15.7 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 9.09 ng
 RT: 13.92 min Scan# 1079
 Delta R.T. -0.02 min
 Lab File: BF088687.D
 Acq: 4 Jul 2016 11:09

Tgt Ion:228 Resp: 107928
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.3 33.5
 229 22.2 16.0 24.0





#82

Chrysene

Concen: 9.19 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.06 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

Instrument :

BNA_F

ClientSampleId :

EPCH-B3(00-0.5)

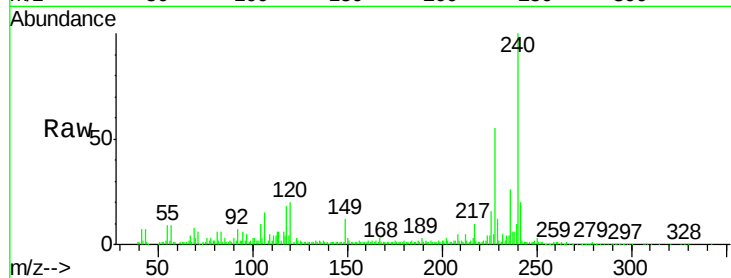
Tgt Ion:228 Resp: 107928

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.2

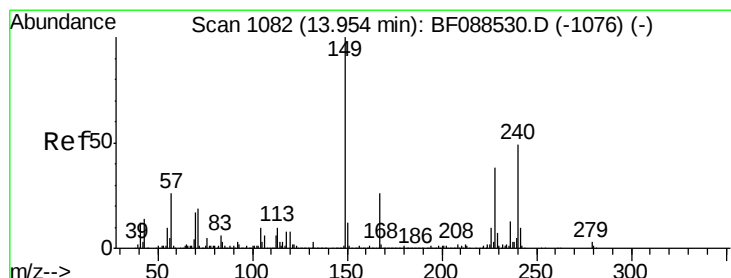
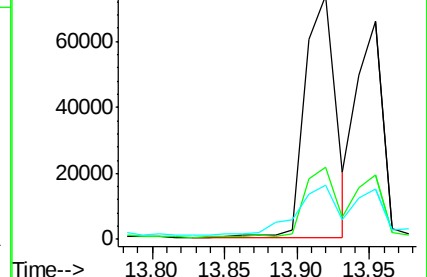
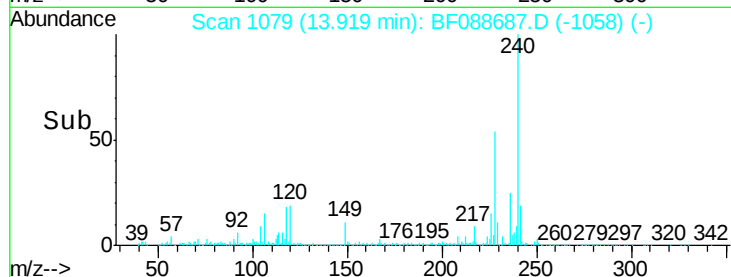
229 22.2 16.3 24.5



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: 2.01 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.03 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

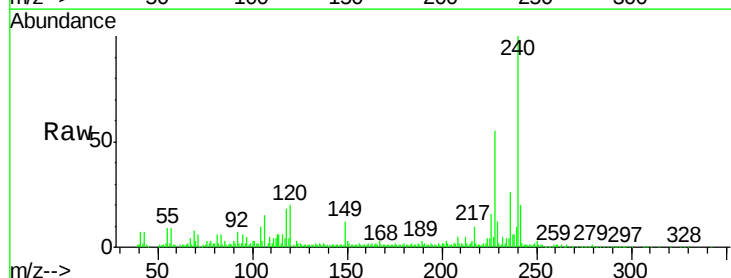
Tgt Ion:149 Resp: 15980

Ion Ratio Lower Upper

149 100

167 28.3 20.5 30.7

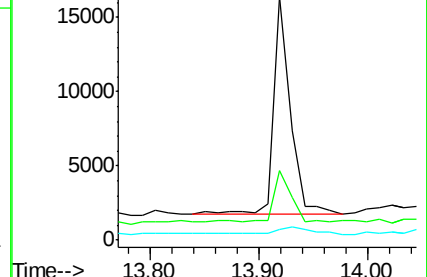
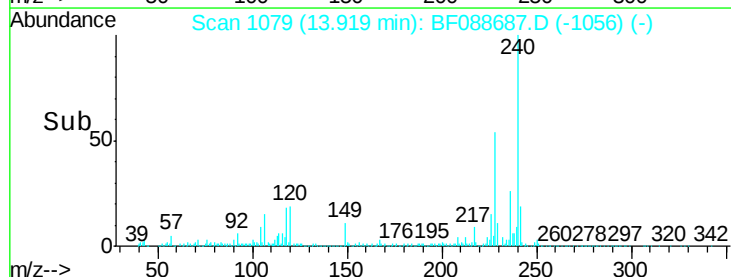
279 4.2 2.0 3.0#

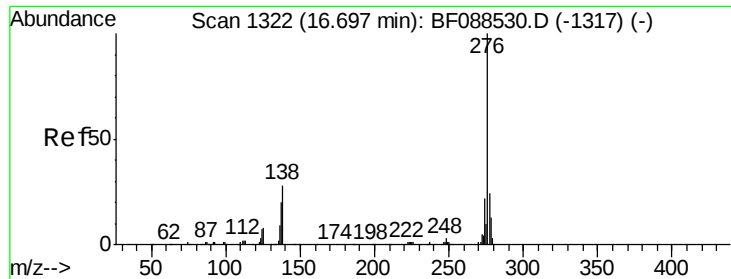


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

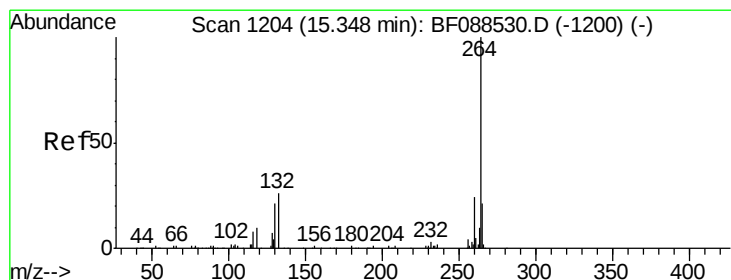
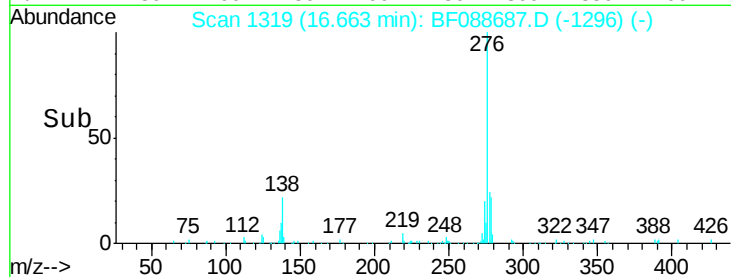
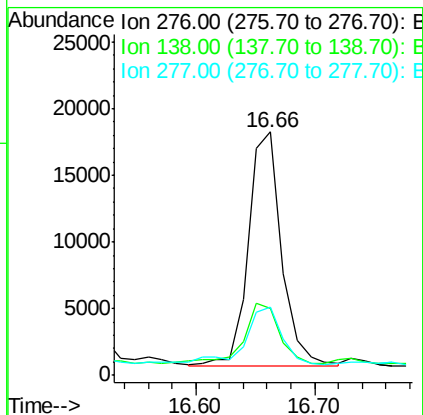
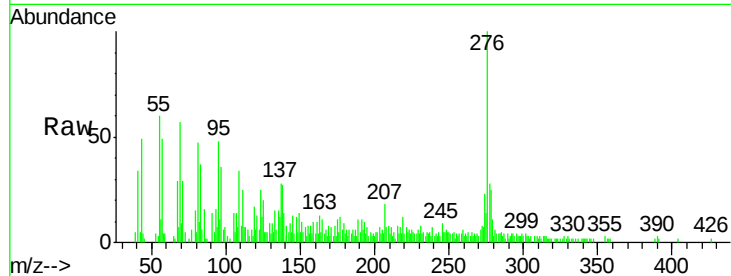




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.79 ng
 RT: 16.66 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: BF088687.D
 Acq: 4 Jul 2016 11:09

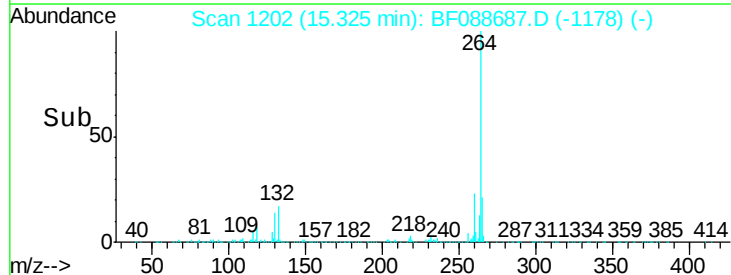
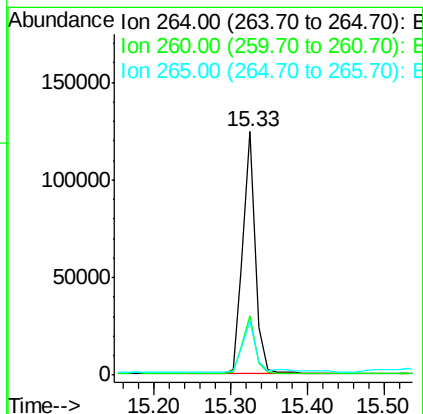
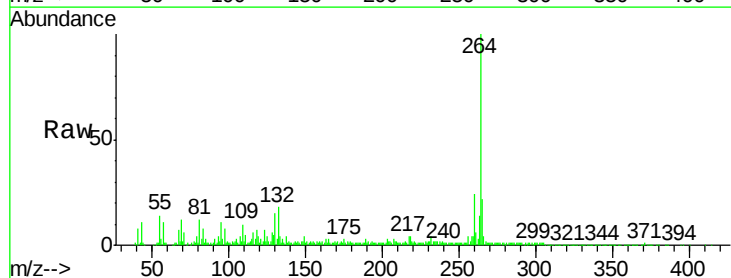
Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B3(00-0.5)

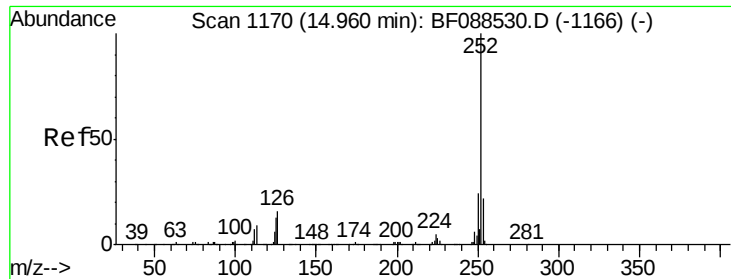
Tgt Ion:276 Resp: 34253
 Ion Ratio Lower Upper
 276 100
 138 27.9 0.0 0.0#
 277 28.0 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: BF088687.D
 Acq: 4 Jul 2016 11:09

Tgt Ion:264 Resp: 143651
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 22.2 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 13.63 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.03 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

Instrument :

BNA_F

ClientSampleId :

EPCH-B3(00-0.5)

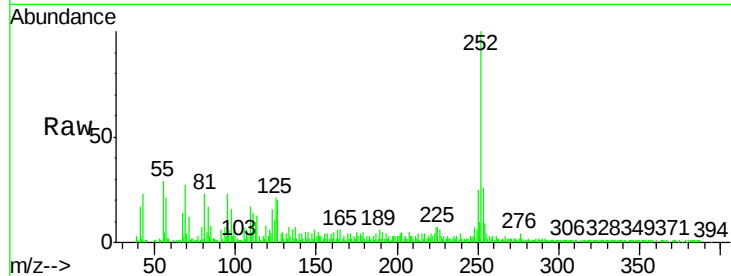
Tgt Ion:252 Resp: 122812

Ion Ratio Lower Upper

252 100

253 26.3 17.4 26.2#

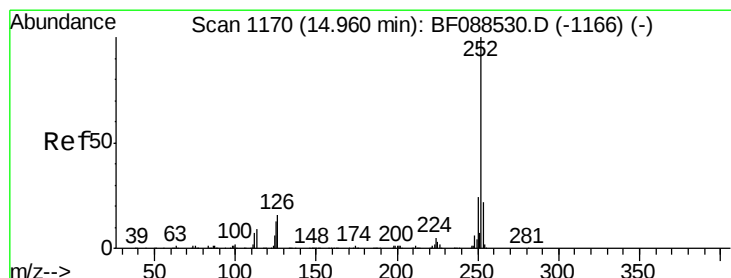
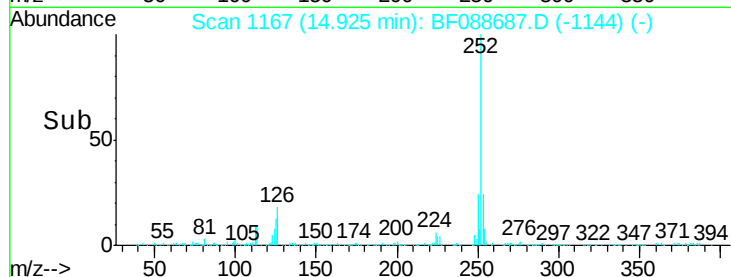
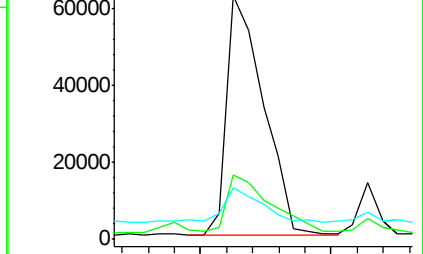
125 21.0 7.1 10.7#



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

RT: 14.93 min Scan# 1167

Delta R.T. -0.06 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

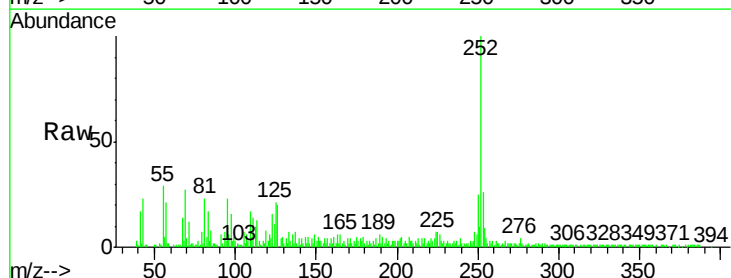
Tgt Ion:252 Resp: 122812

Ion Ratio Lower Upper

252 100

253 26.3 18.0 27.0

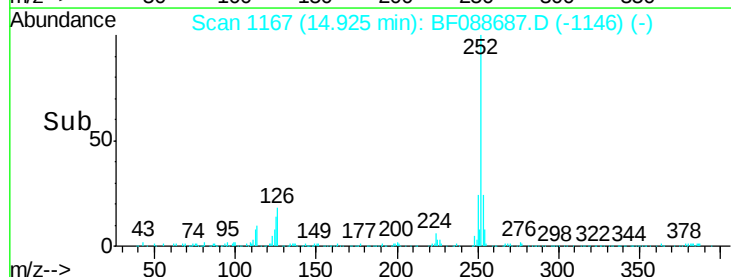
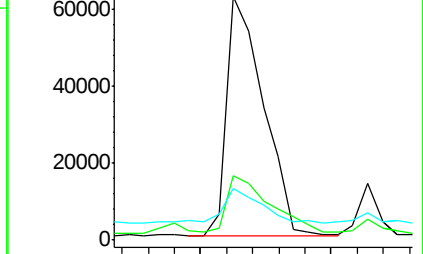
125 21.0 11.2 16.8#

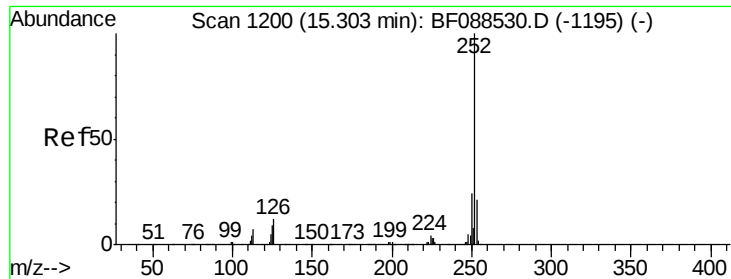


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.32 ng

RT: 15.27 min Scan# 1197

Delta R.T. -0.03 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

Instrument :

BNA_F

ClientSampleId :

EPCH-B3(00-0.5)

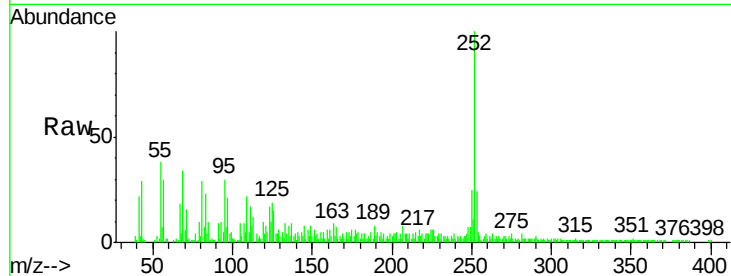
Tgt Ion:252 Resp: 63454

Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

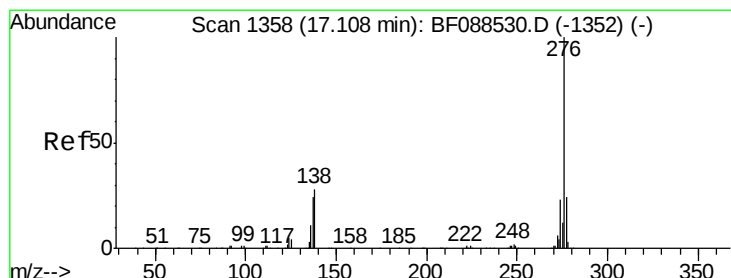
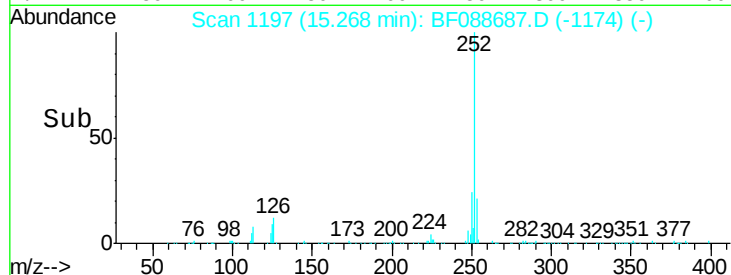
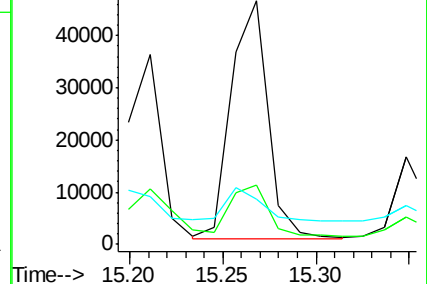
125 18.7 12.5 18.7



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: 5.03 ng

RT: 17.06 min Scan# 1354

Delta R.T. -0.05 min

Lab File: BF088687.D

Acq: 4 Jul 2016 11:09

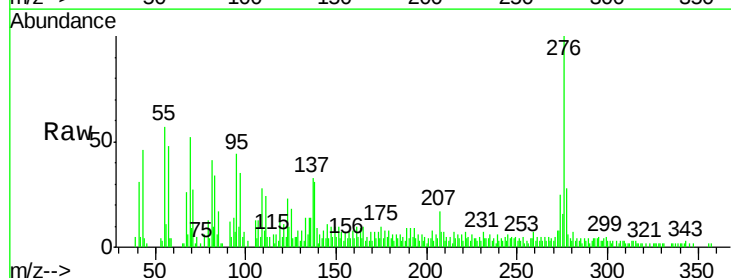
Tgt Ion:276 Resp: 33156

Ion Ratio Lower Upper

276 100

277 28.5 18.9 28.3#

138 30.5 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

