

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\OLD\
 Data File : BF086480.D
 Acq On : 28 Apr 2016 23:20
 Operator : UM/SJ
 Sample : H2654-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-18(6-12FTBGS)

Quant Time: Apr 29 08:55:38 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

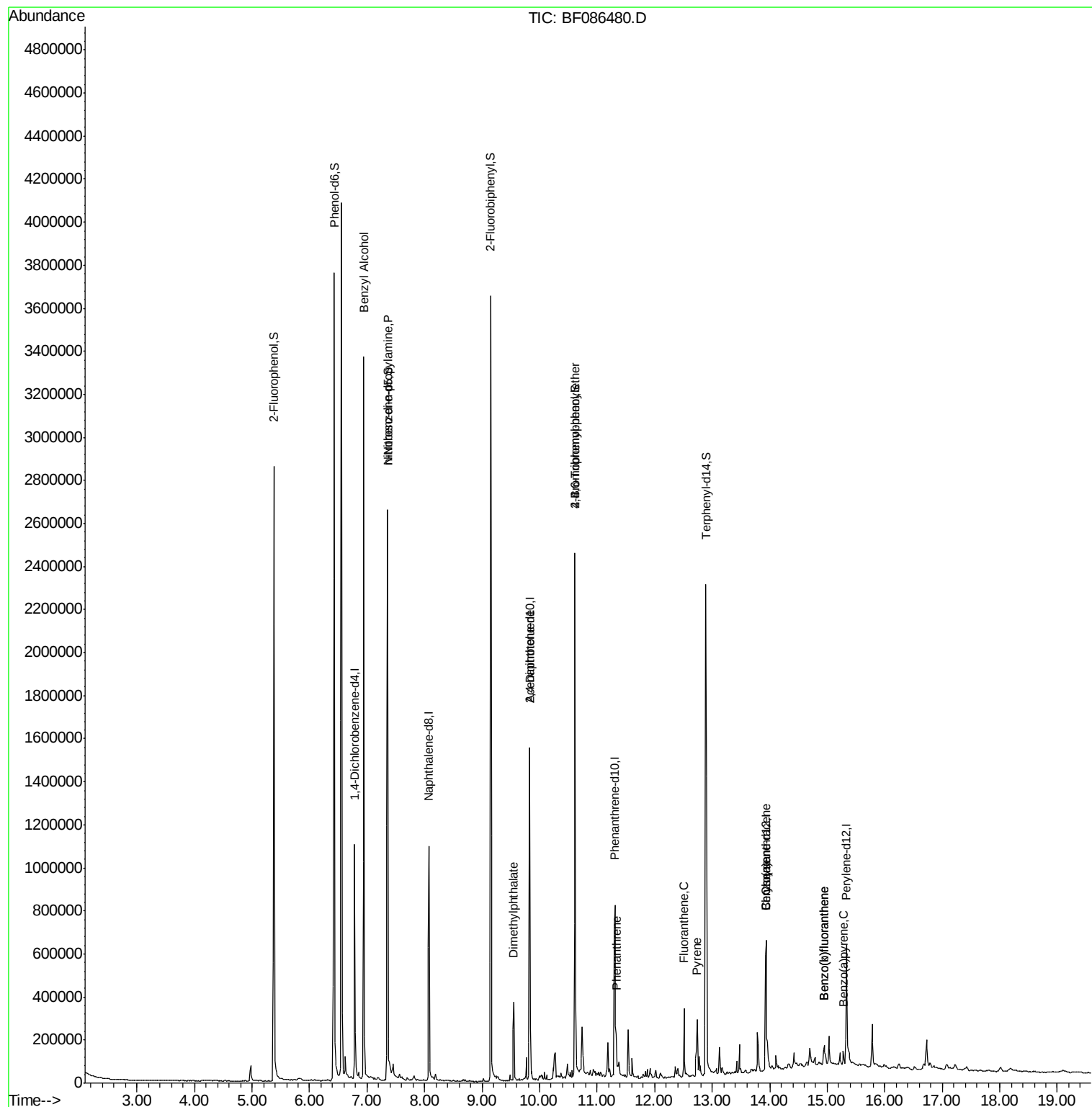
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	150692	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	620263	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	281833	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	469426	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	295041	20.00	ng	-0.02
86) Perylene-d12	15.33	264	306681	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1067414	122.18	ng	-0.01
7) Phenol-d6	6.43	99	1548750	127.02	ng	-0.01
23) Nitrobenzene-d5	7.36	82	995123	86.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	291621	98.12	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1262703	76.72	ng	-0.02
78) Terphenyl-d14	12.89	244	925219	69.09	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	6.94	79	16246	2.11	ng	# 39
19) n-Nitroso-di-n-propylamine	7.36	70	138234	17.15	ng	# 78
49) Dimethylphthalate	9.55	163	194832	9.18	ng	98
56) 2,4-Dinitrotoluene	9.82	165	36498	6.53	ng	# 16
66) 4-Bromophenyl-phenylether	10.61	248	17077	3.53	ng	# 1
70) Phenanthrene	11.33	178	97608	3.96	ng	99
74) Fluoranthene	12.51	202	135836	5.46	ng	96
77) Pyrene	12.74	202	112948	5.31	ng	98
80) Benzo(a)anthracene	13.93	228	56645	3.60	ng	98
82) Chrysene	13.93	228	56645	3.31	ng	97
87) Benzo(b)fluoranthene	14.95	252	75083	4.16	ng	100
88) Benzo(k)fluoranthene	14.95	252	75083	3.99	ng	# 97
89) Benzo(a)pyrene	15.28	252	36634	2.15	ng	# 93

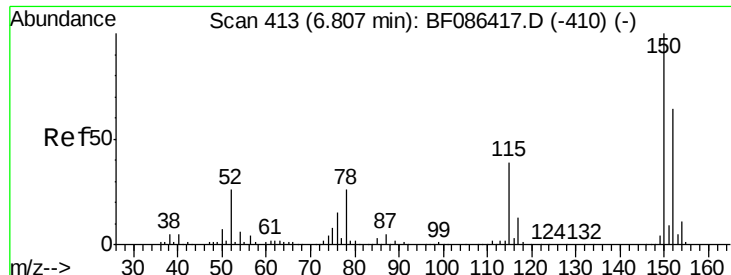
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

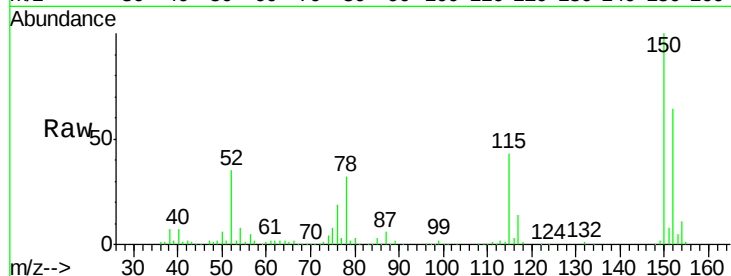
Tot Ion:152 Resp: 150692

Ion Ratio Lower Upper

152 100

150 155.8 125.8 188.6

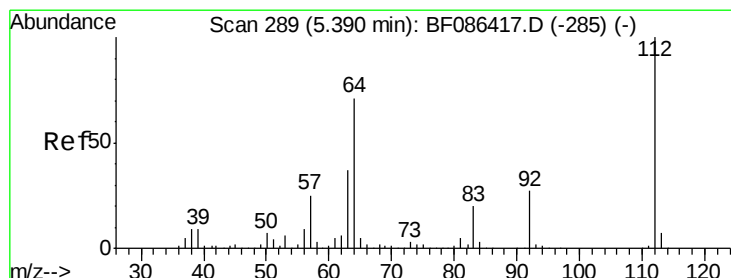
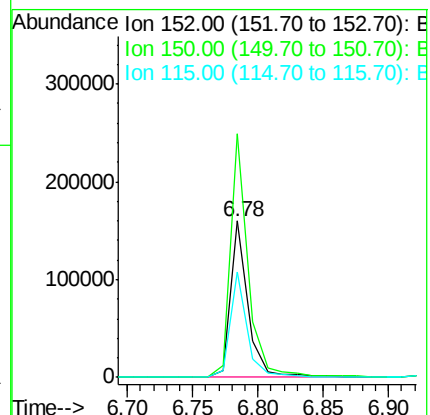
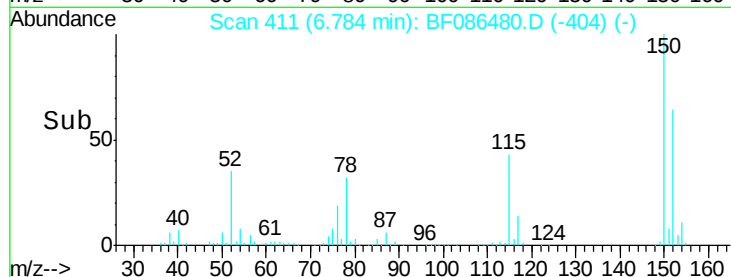
115 67.4 51.5 77.3



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: 122.18 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.01 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

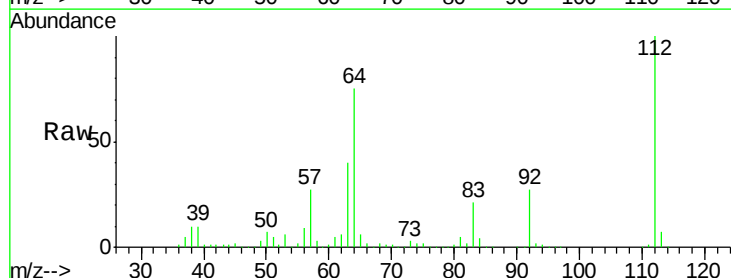
Tgt Ion:112 Resp: 1067414

Ion Ratio Lower Upper

112 100

64 75.1 52.1 78.1

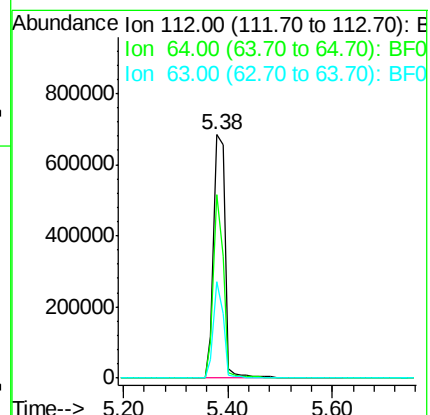
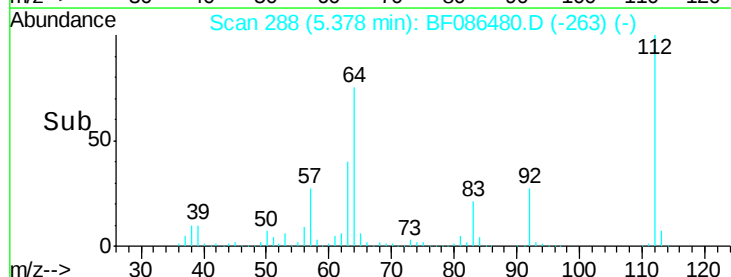
63 39.6 25.7 38.5#

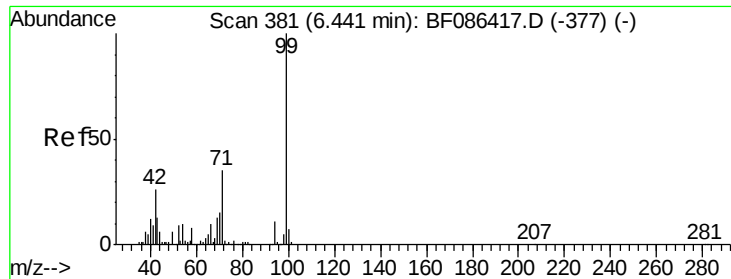


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 127.02 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

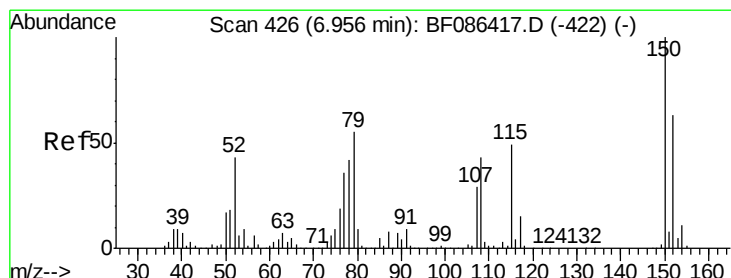
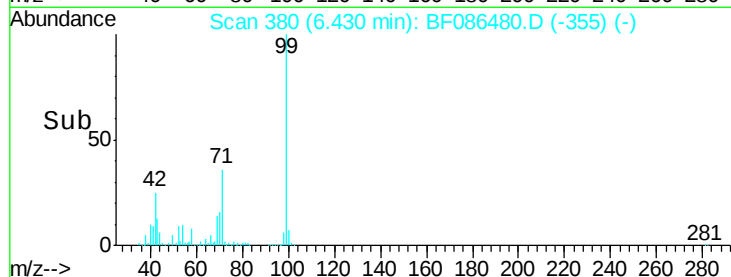
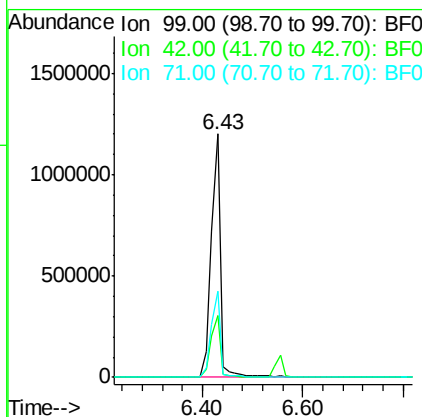
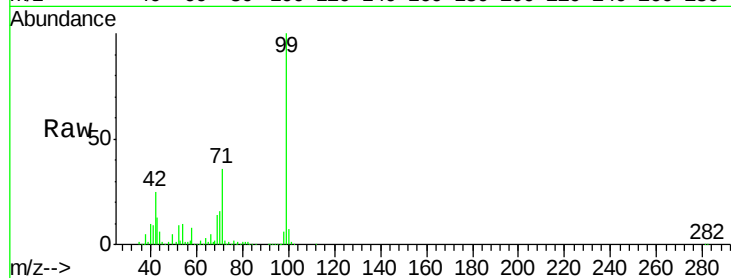
BNA_F

ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

Tot Ion: 99 Resp: 1548750

Ion	Ratio	Lower	Upper
99	100		
42	25.4	13.6	20.4#
71	35.6	24.6	36.8



#15

Benzyl Alcohol

Concen: 2.11 ng

RT: 6.94 min Scan# 425

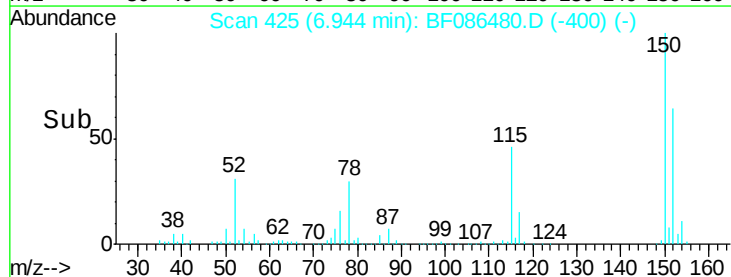
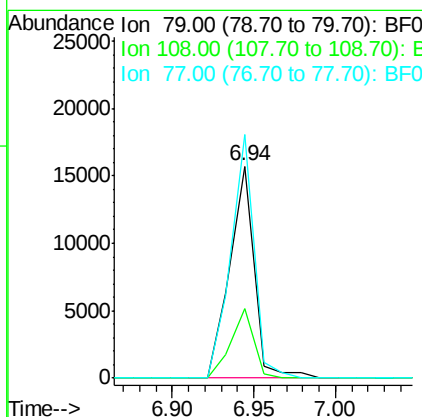
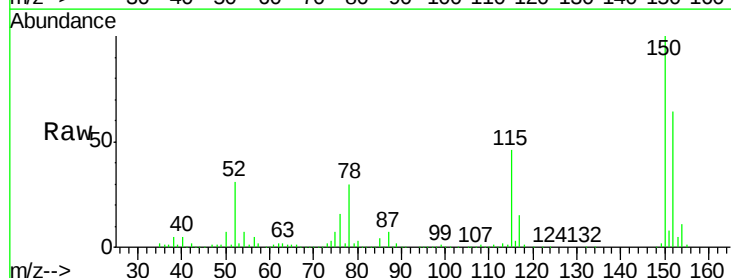
Delta R.T. -0.01 min

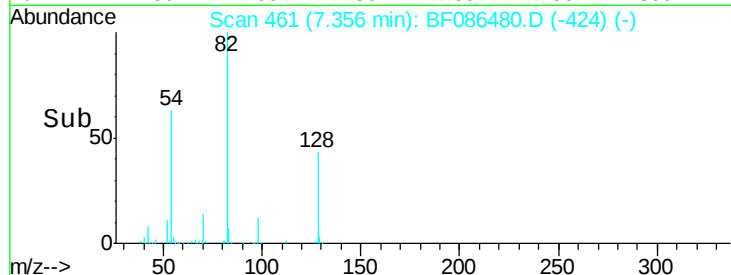
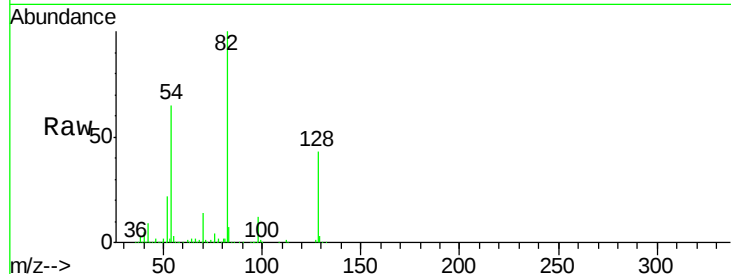
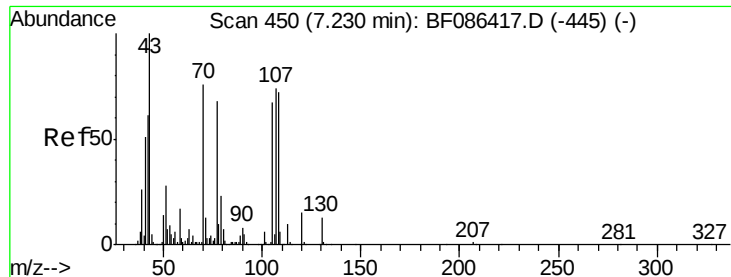
Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Tgt Ion: 79 Resp: 16246

Ion	Ratio	Lower	Upper
79	100		
108	32.6	68.4	102.6#
77	114.9	50.6	76.0#

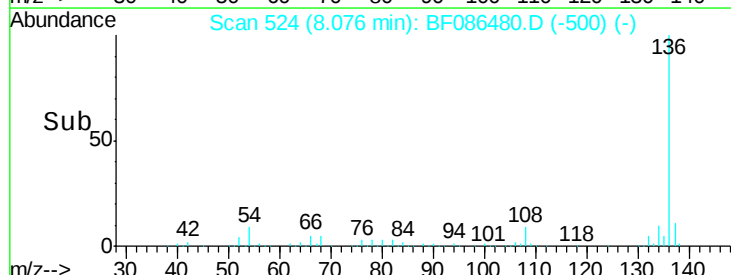
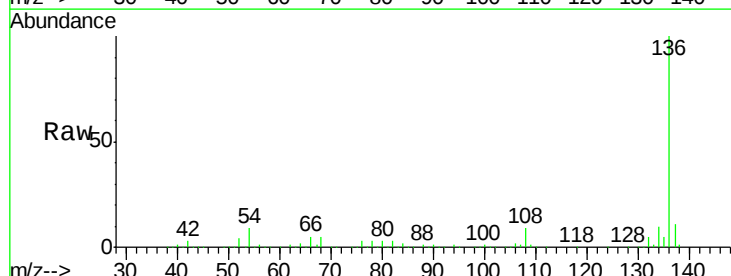
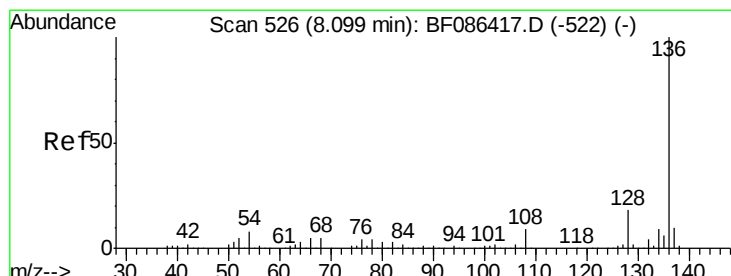
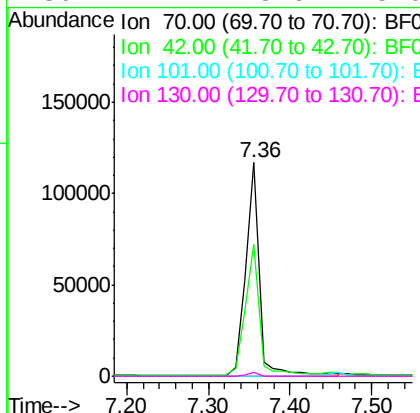




#19
n-Nitroso-di-n-propylamine
Concen: 17.15 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.13 min
Lab File: BF086480.D
Acq: 28 Apr 2016 23:20

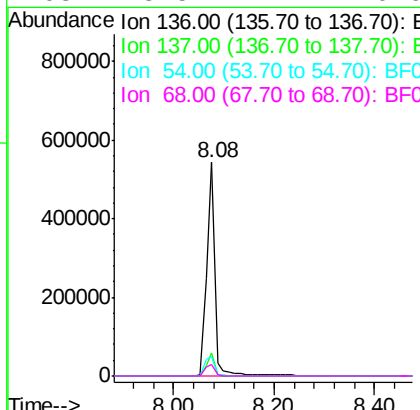
Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-18(6-12FTBGS)

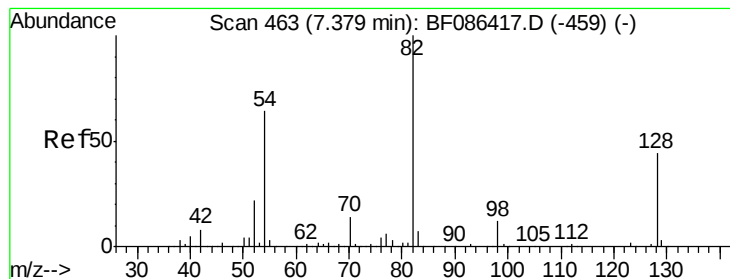
Tot Ion: 70 Resp: 138234
Ion Ratio Lower Upper
70 100
42 62.0 43.1 64.7
101 0.0 8.1 12.1#
130 2.1 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF086480.D
Acq: 28 Apr 2016 23:20

Tgt Ion:136 Resp: 620263
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.9 5.0 7.4#
68 5.5 4.4 6.6





#23

Nitrobenzene-d5

Concen: 86.48 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

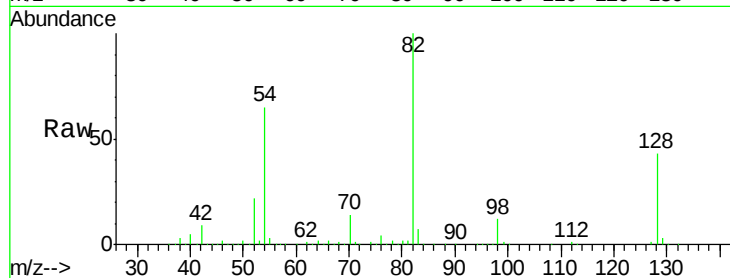
Tot Ion: 82 Resp: 995123

Ion Ratio Lower Upper

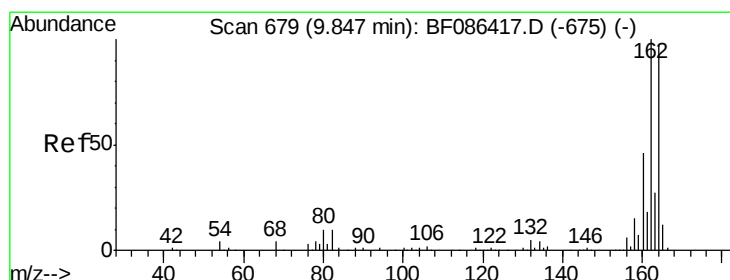
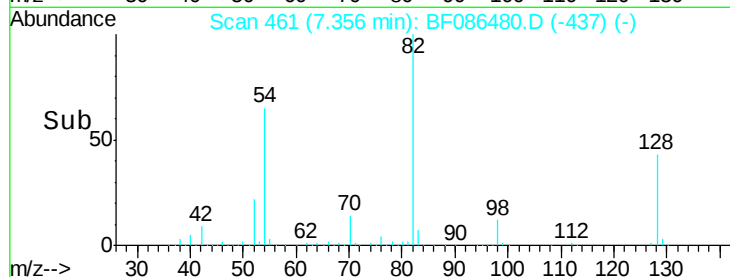
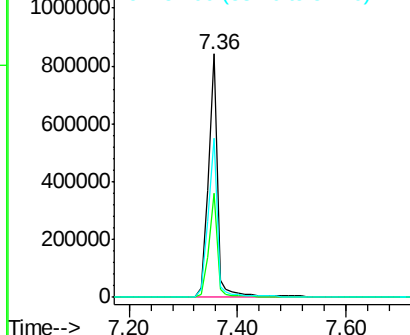
82 100

128 42.9 40.6 61.0

54 65.2 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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

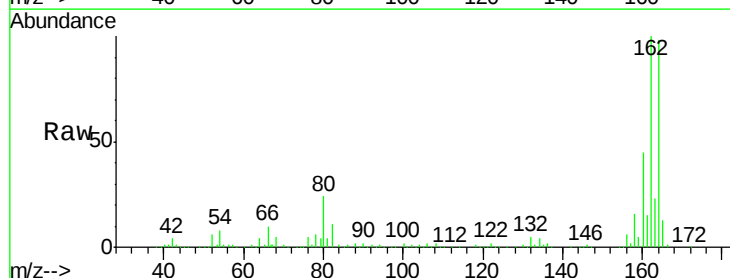
Tgt Ion:164 Resp: 281833

Ion Ratio Lower Upper

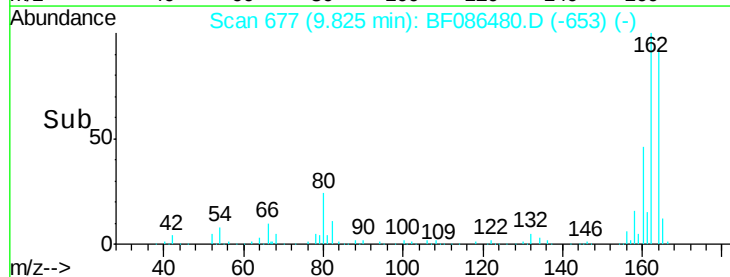
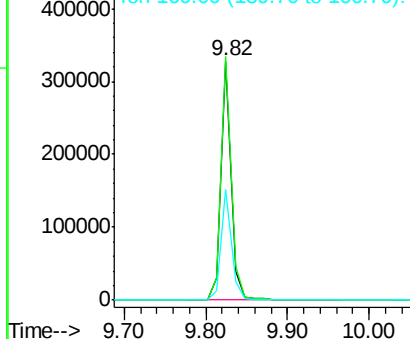
164 100

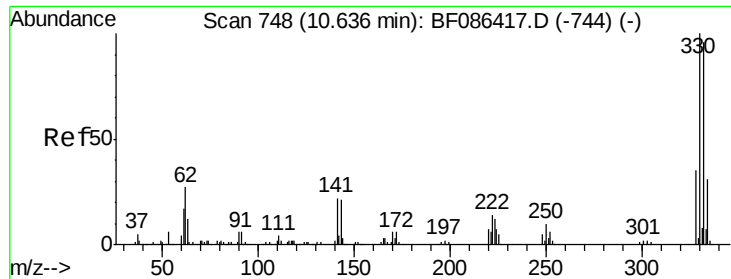
162 101.9 82.8 124.2

160 46.2 36.9 55.3



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

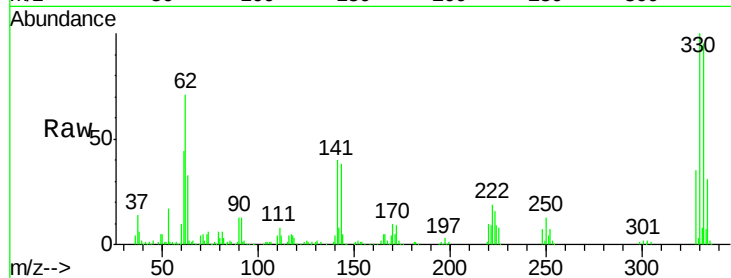




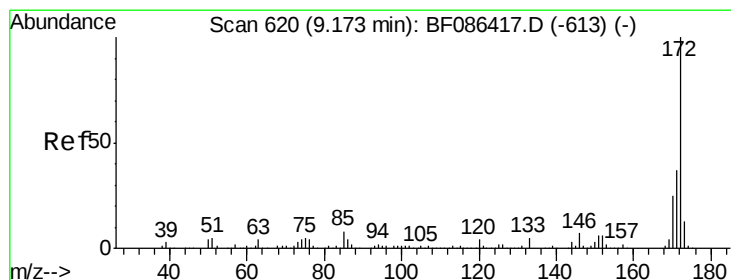
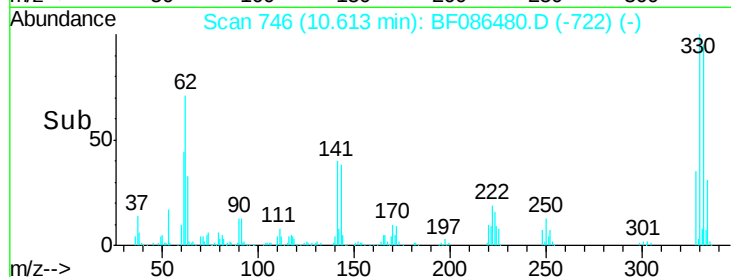
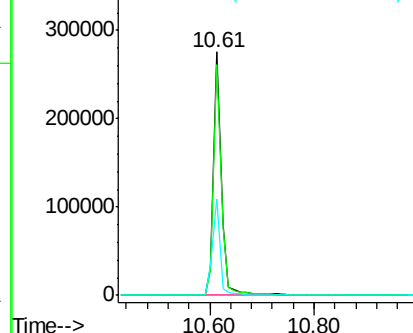
#41
 2,4,6-Tribromophenol
 Concen: 98.12 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF086480.D
 Acq: 28 Apr 2016 23:20

Instrument :
 BNA_F
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 26WARD-2A-CS-18(6-12FTBGS)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	79.0	118.4
141	37.9	31.2	46.8

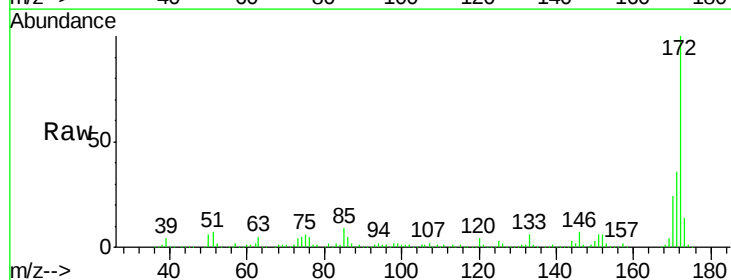


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

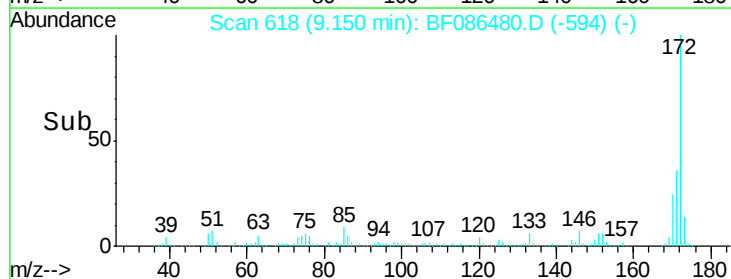
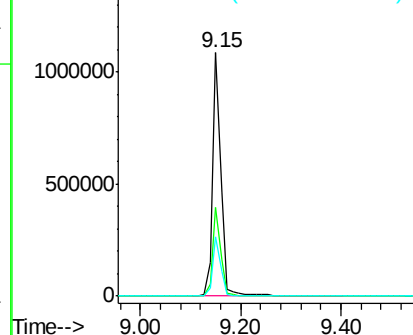


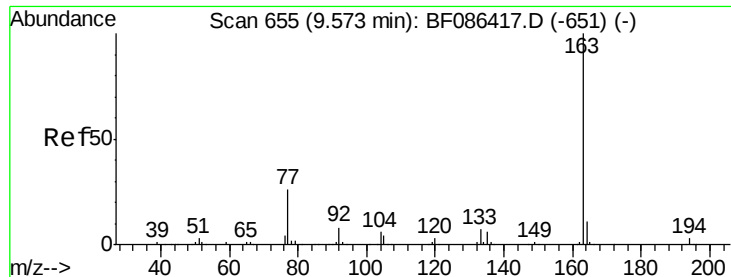
#44
 2-Fluorobiphenyl
 Concen: 76.72 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF086480.D
 Acq: 28 Apr 2016 23:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	24.4	19.8	29.8



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

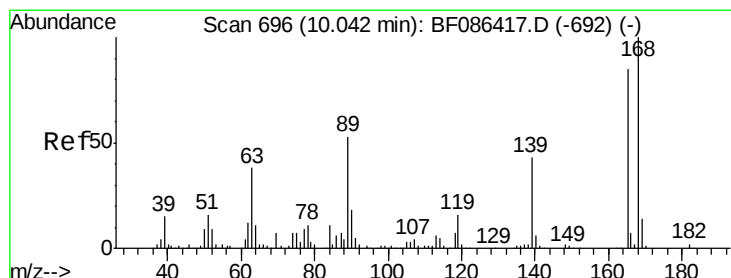
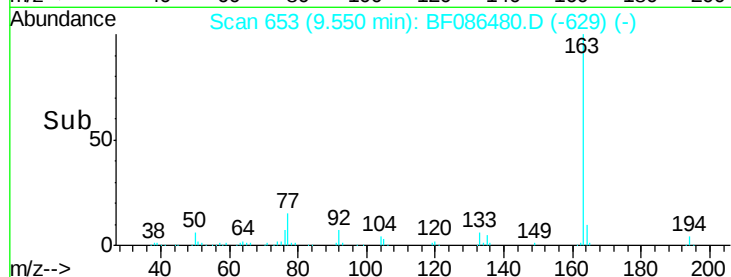
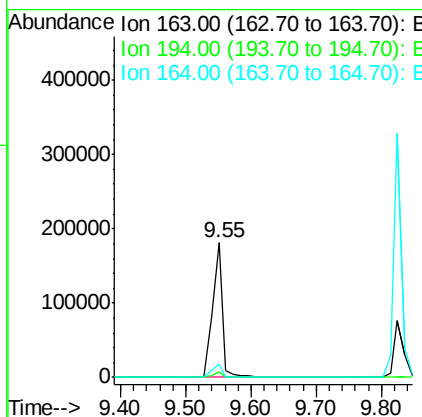
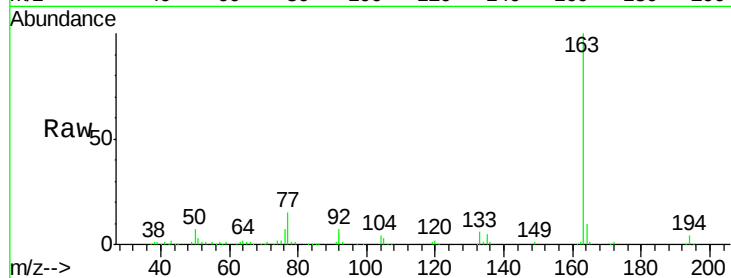




#49
Dimethylphthalate
Concen: 9.18 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF086480.D
Acq: 28 Apr 2016 23:20

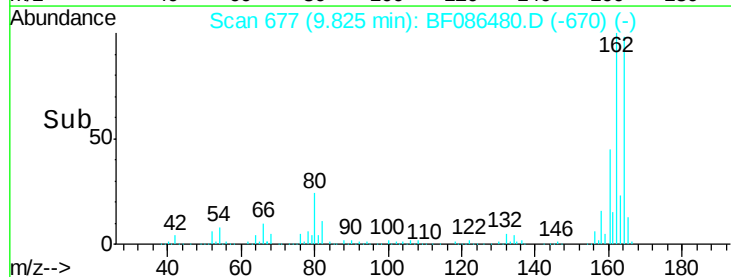
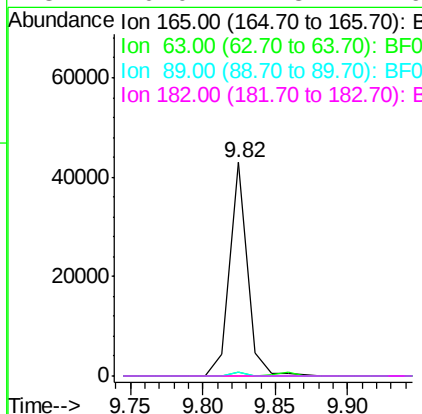
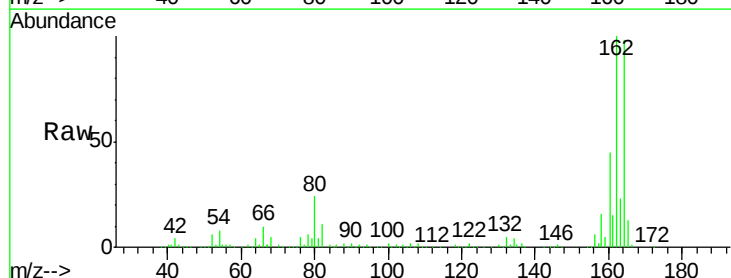
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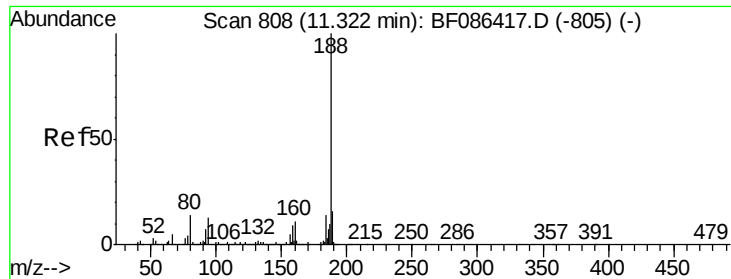
Tot Ion:163 Resp: 194832
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.7 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.53 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.22 min
Lab File: BF086480.D
Acq: 28 Apr 2016 23:20

Tgt Ion:165 Resp: 36498
Ion Ratio Lower Upper
165 100
63 1.7 44.3 66.5#
89 1.7 70.0 105.0#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

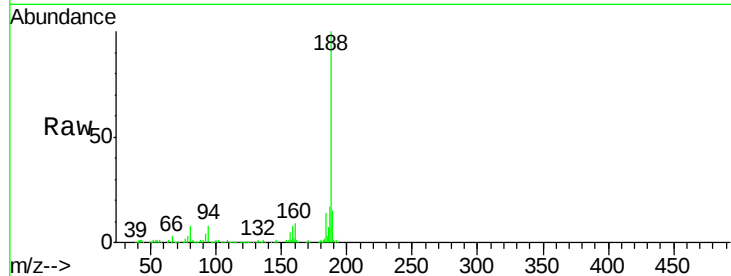
Tot Ion:188 Resp: 469426

Ion Ratio Lower Upper

188 100

94 7.7 6.8 10.2

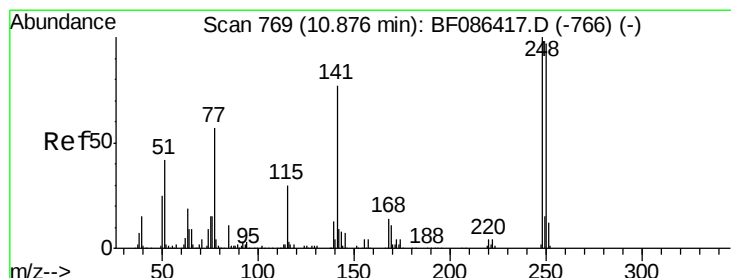
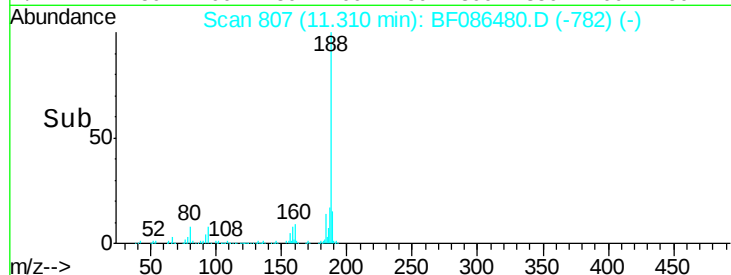
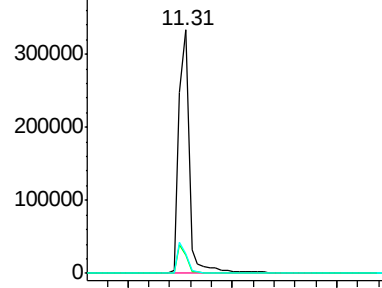
80 8.0 7.1 10.7



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: 3.53 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.26 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

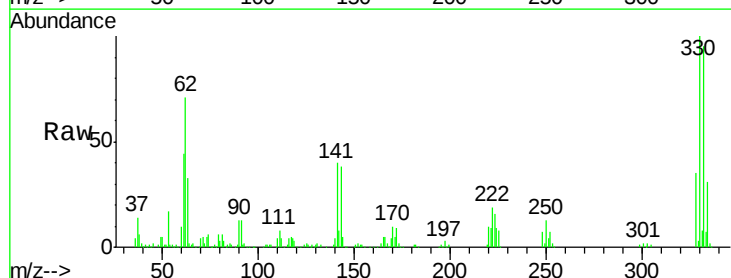
Tgt Ion:248 Resp: 17077

Ion Ratio Lower Upper

248 100

250 201.5 78.6 117.8#

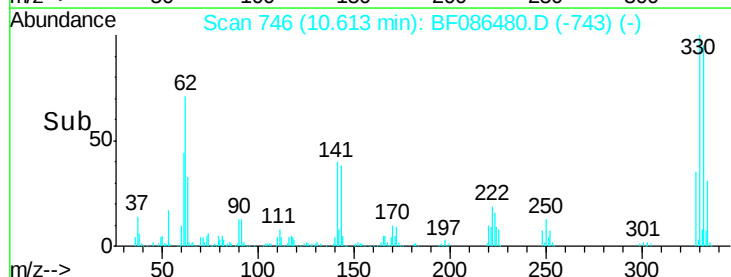
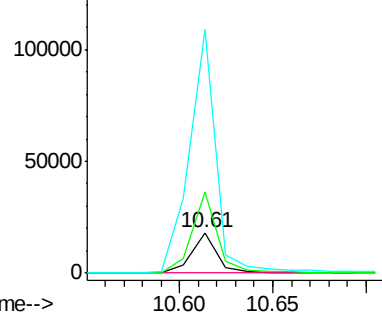
141 602.4 76.0 114.0#

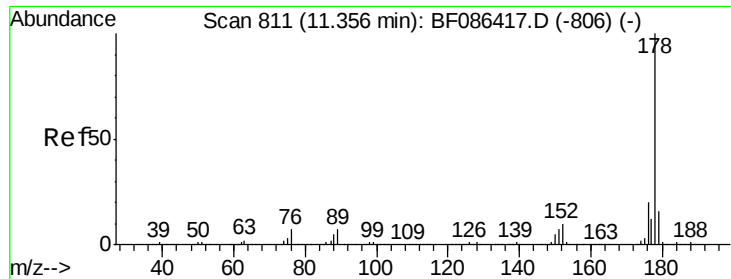


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.96 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

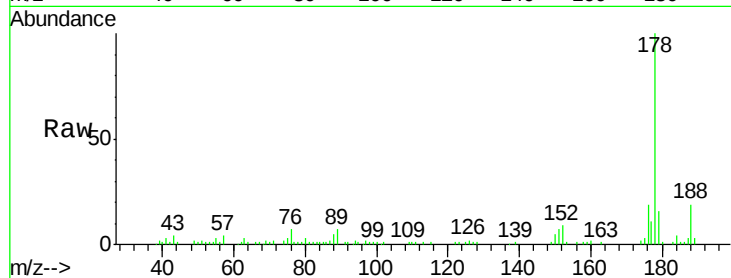
Tot Ion:178 Resp: 97608

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

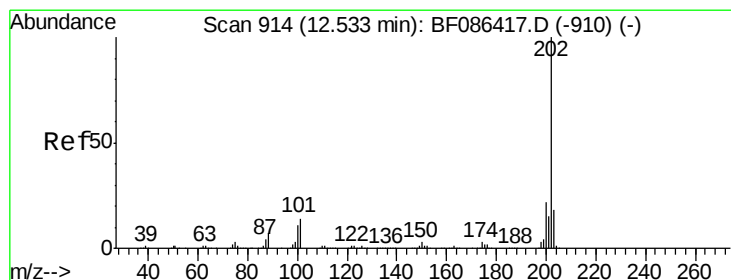
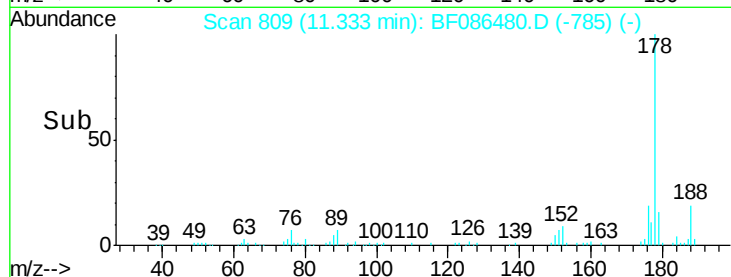
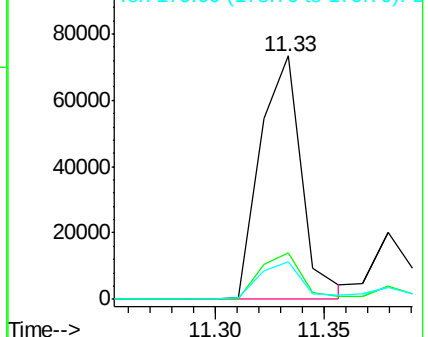
179 15.5 12.6 18.8



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



#74

Fluoranthene

Concen: 5.46 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

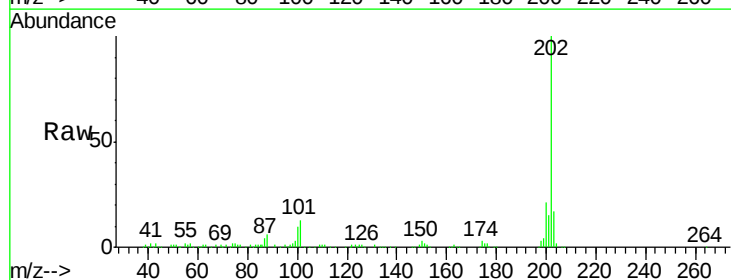
Tgt Ion:202 Resp: 135836

Ion Ratio Lower Upper

202 100

101 12.9 0.0 35.4

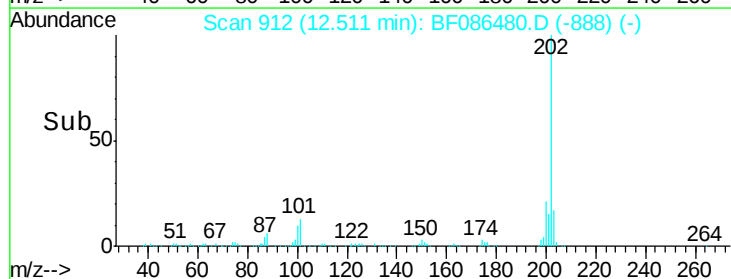
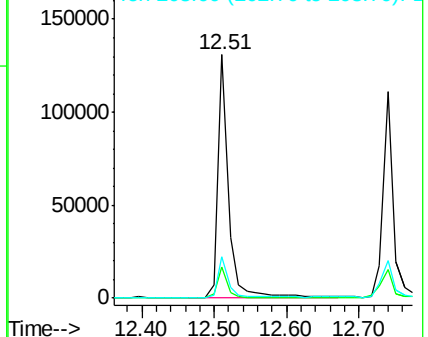
203 16.9 0.0 38.1

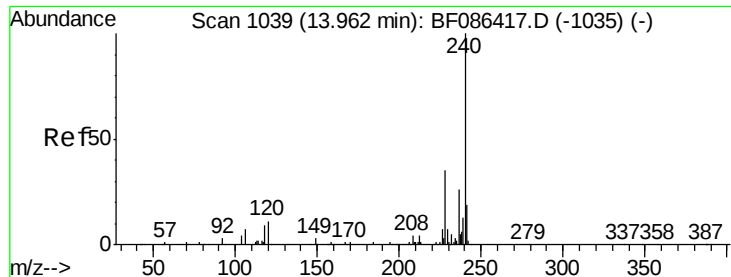


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

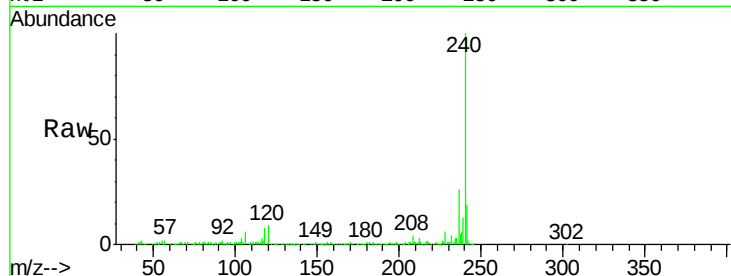
Tot Ion:240 Resp: 295041

Ion Ratio Lower Upper

240 100

120 9.4 11.2 16.8#

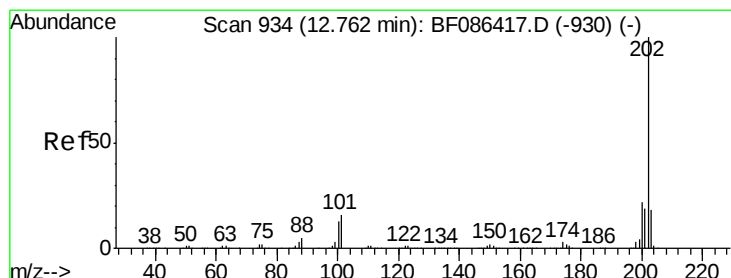
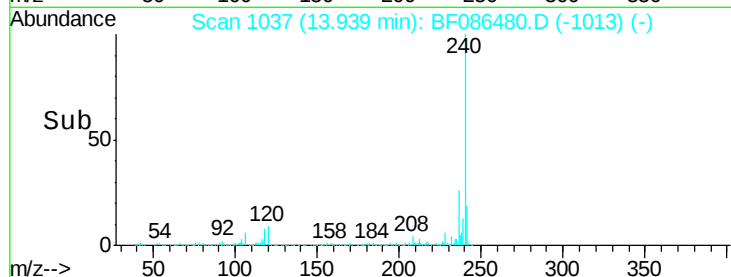
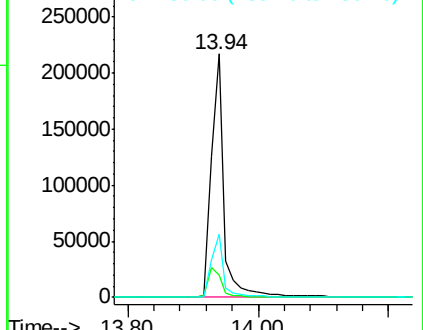
236 25.7 21.2 31.8



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: 5.31 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

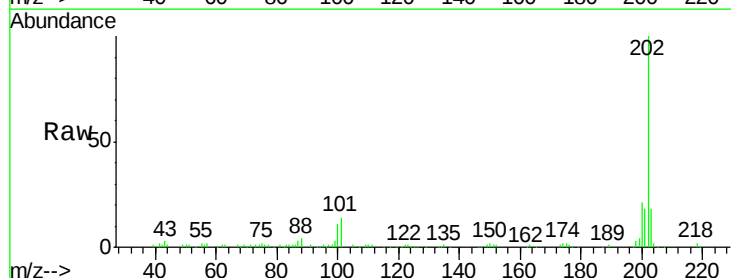
Tgt Ion:202 Resp: 112948

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

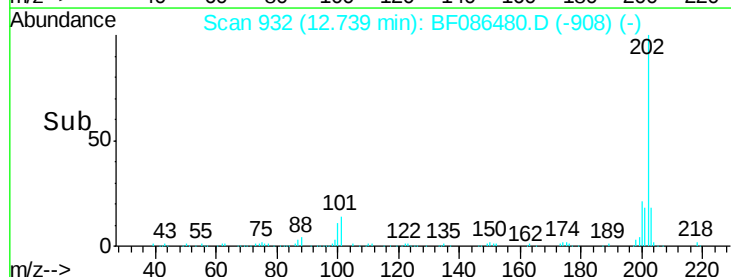
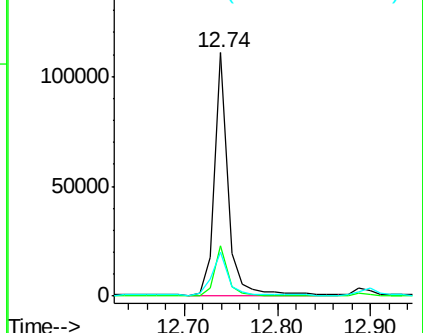
203 18.3 14.2 21.4

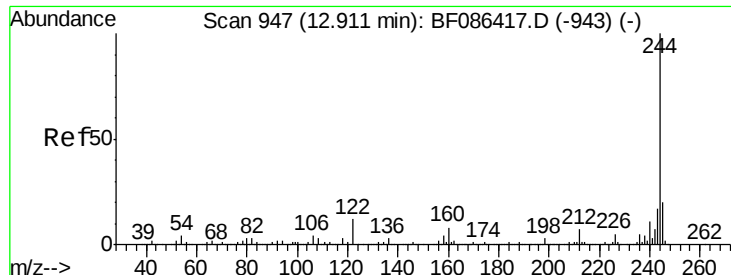


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.09 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

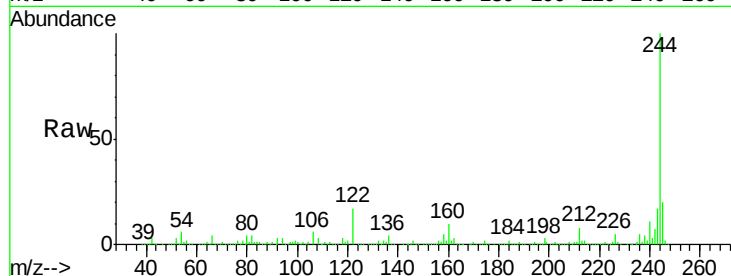
Tot Ion:244 Resp: 925219

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

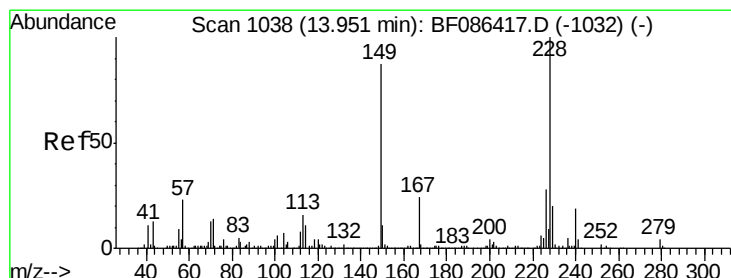
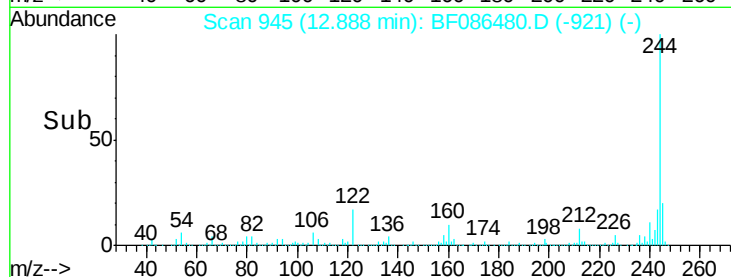
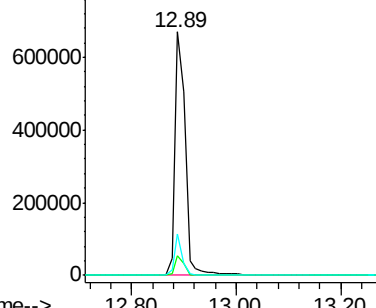
122 17.2 12.0 18.0



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: 3.60 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

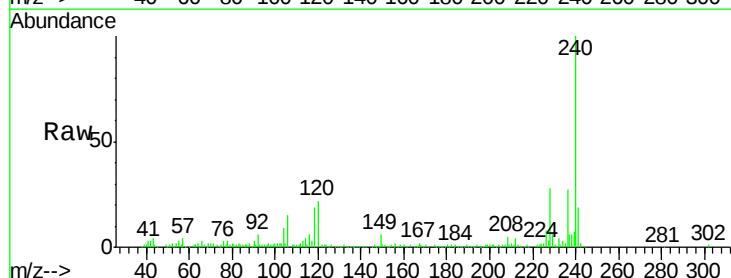
Tgt Ion:228 Resp: 56645

Ion Ratio Lower Upper

228 100

226 29.2 22.5 33.7

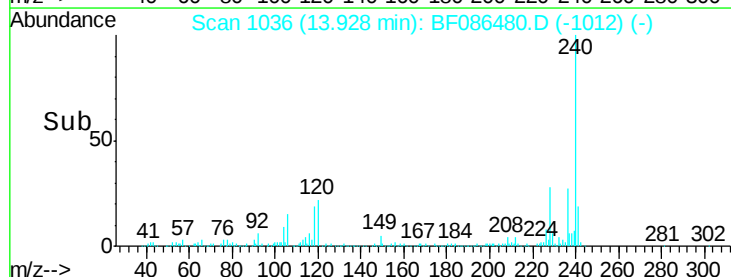
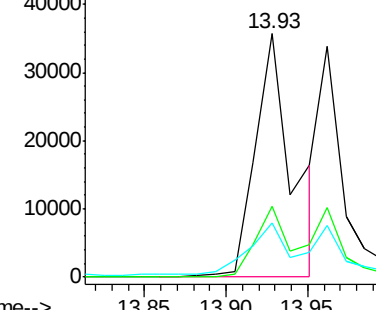
229 22.1 16.6 25.0

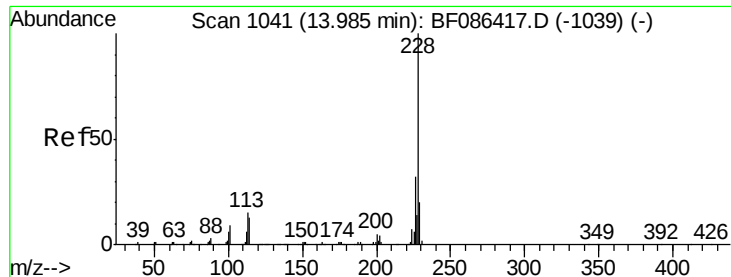


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.31 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

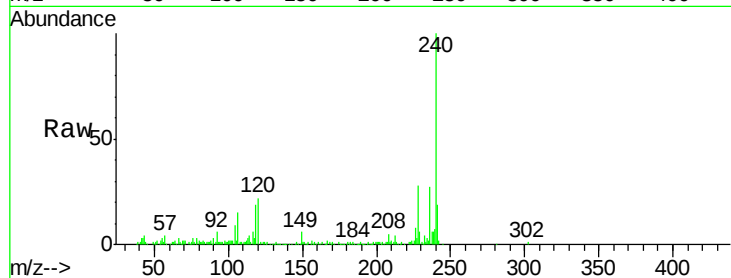
Tot Ion:228 Resp: 56645

Ion Ratio Lower Upper

228 100

226 29.2 24.4 36.6

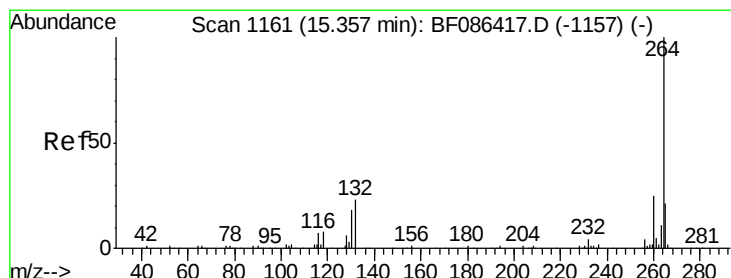
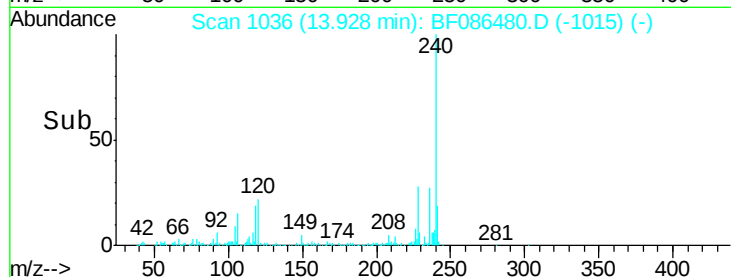
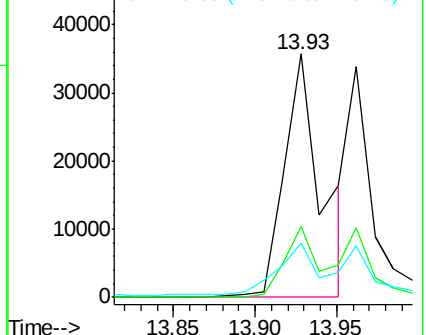
229 22.1 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

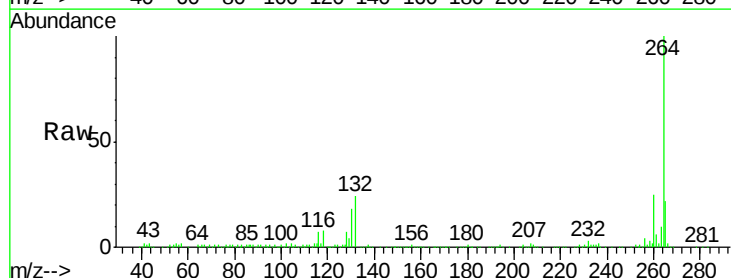
Tgt Ion:264 Resp: 306681

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

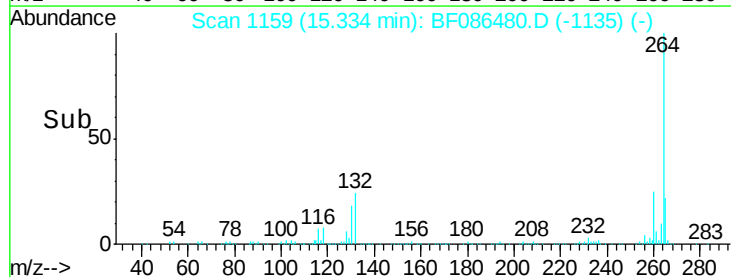
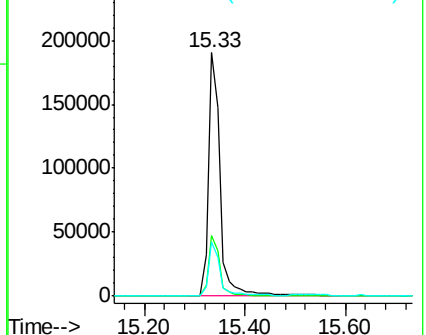
265 22.2 17.3 25.9

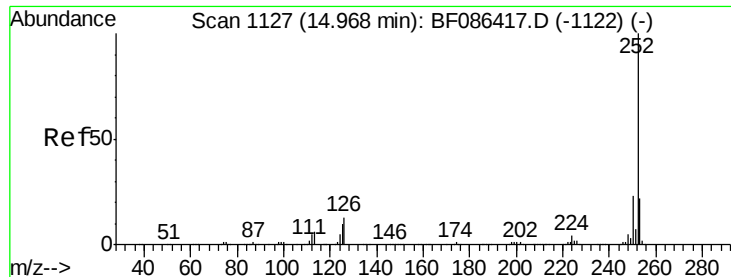


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.16 ng

RT: 14.95 min Scan# 1125

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

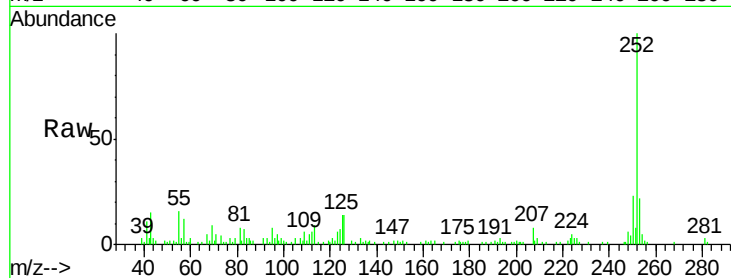
Tot Ion:252 Resp: 75083

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

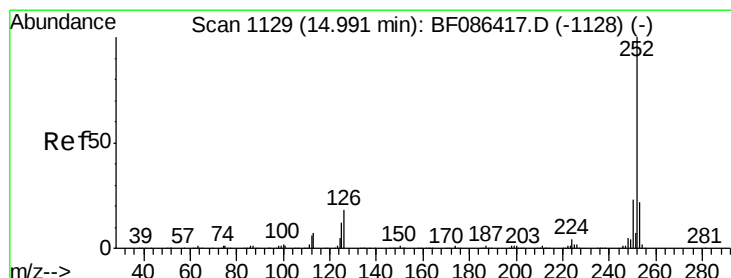
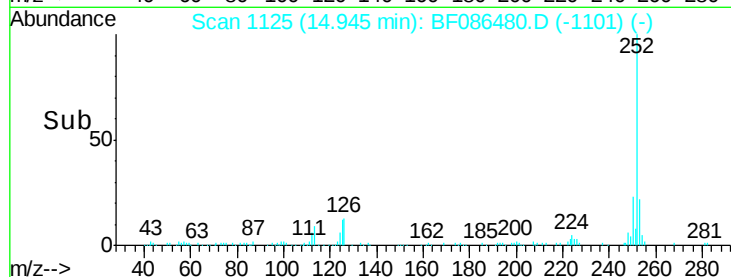
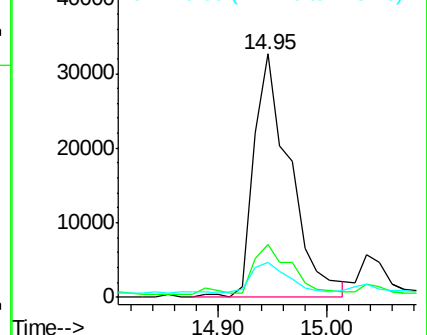
125 14.3 11.4 17.0



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: 3.99 ng

RT: 14.95 min Scan# 1125

Delta R.T. -0.05 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

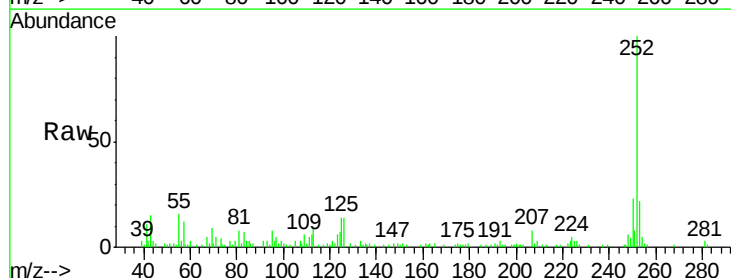
Tgt Ion:252 Resp: 75083

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

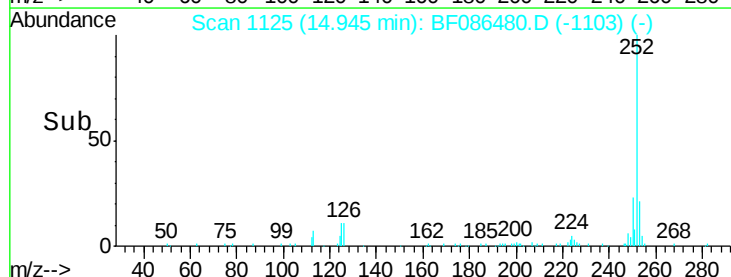
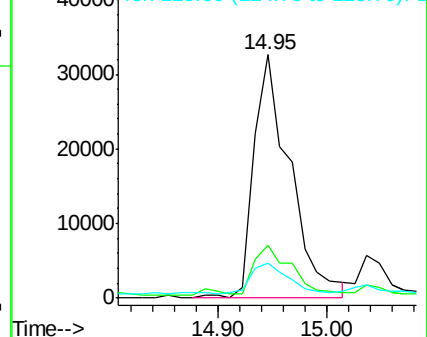
125 14.3 9.1 13.7#

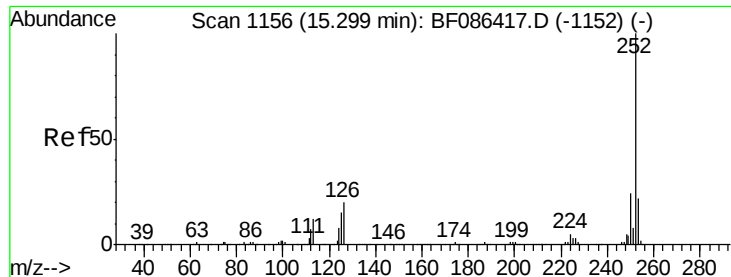


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.15 ng

RT: 15.28 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

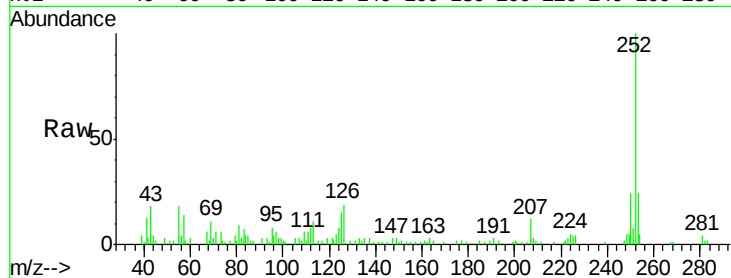
Tot Ion:252 Resp: 36634

Ion Ratio Lower Upper

252 100

253 24.2 17.2 25.8

125 15.4 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

