

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052915\
 Data File : BF079590.D
 Acq On : 30 May 2015 7:34
 Operator : TP/IZ
 Sample : G2416-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONNECTORRD-TE1.1(5)

Quant Time: May 31 05:30:03 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 17:35:14 2015
 Response via : Initial Calibration

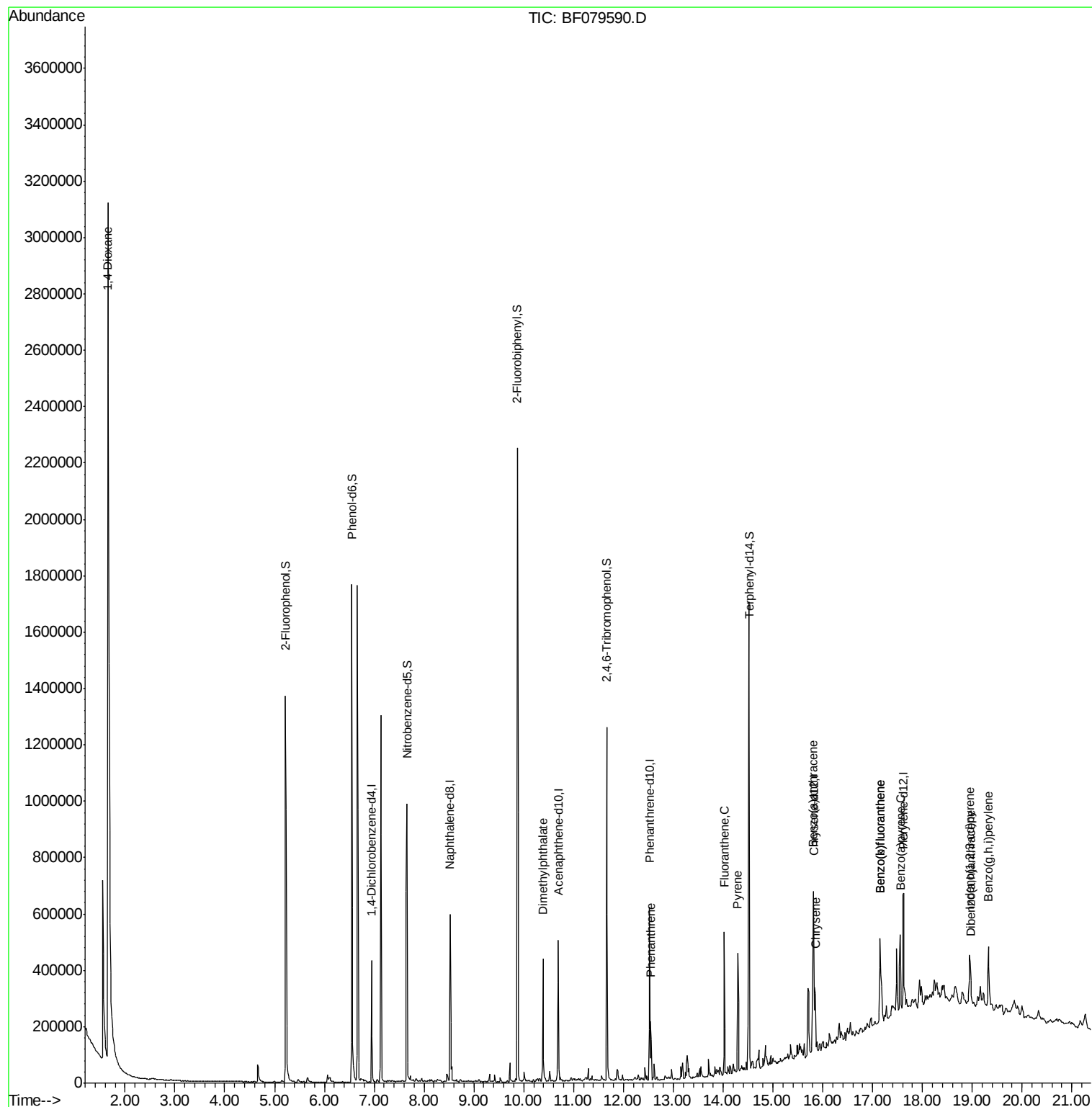
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	73986	20.00	ng	-0.01
21) Naphthalene-d8	8.52	136	295713	20.00	ng	-0.01
38) Acenaphthene-d10	10.70	164	131691	20.00	ng	-0.01
63) Phenanthrene-d10	12.53	188	238086	20.00	ng	-0.01
75) Chrysene-d12	15.82	240	240158	20.00	ng	-0.02
86) Perylene-d12	17.62	264	258029	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	574545	134.69	ng	-0.01
7) Phenol-d6	6.55	99	734386	135.07	ng	-0.01
23) Nitrobenzene-d5	7.66	82	429132	83.89	ng	-0.01
41) 2,4,6-Tribromophenol	11.67	330	189241	130.83	ng	-0.02
44) 2-Fluorobiphenyl	9.87	172	793416	85.95	ng	-0.01
78) Terphenyl-d14	14.53	244	801580	78.33	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.66	88	168232	82.91	ng	# 100
9) Benzaldehyde	6.46	77	226	Below Cal		# 1
49) Dimethylphthalate	10.39	163	180246	18.58	ng	100
70) Phenanthrene	12.55	178	104636	8.01	ng	99
73) Di-n-butylphthalate	13.29	149	6902	Below Cal		# 91
74) Fluoranthene	14.02	202	223493	15.96	ng	97
77) Pyrene	14.30	202	199462	13.41	ng	97
80) Benzo(a)anthracene	15.81	228	130869	9.47	ng	94
82) Chrysene	15.85	228	136739	10.41	ng	98
85) Indeno(1,2,3-cd)pyrene	18.95	276	118481	7.01	ng	97
87) Benzo(b)fluoranthene	17.15	252	254363	17.28	ng	# 97
88) Benzo(k)fluoranthene	17.15	252	254363	19.33	ng	# 97
89) Benzo(a)pyrene	17.55	252	145257	9.75	ng	99
90) Dibenzo(a,h)anthracene	18.97	278	49474	2.22	ng	# 82
91) Benzo(g,h,i)perylene	19.33	276	152058	9.45	ng	98

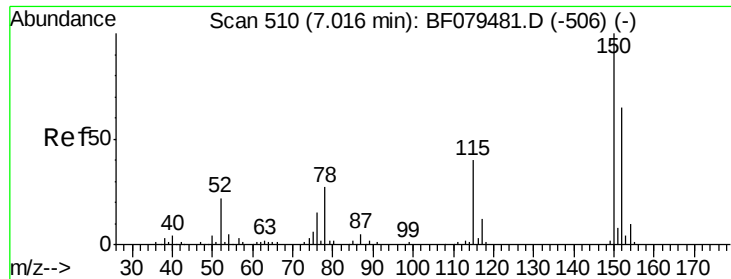
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

Instrument :

BNA_F

ClientSampleId :

CONNECTORRD-TE1.1(5)

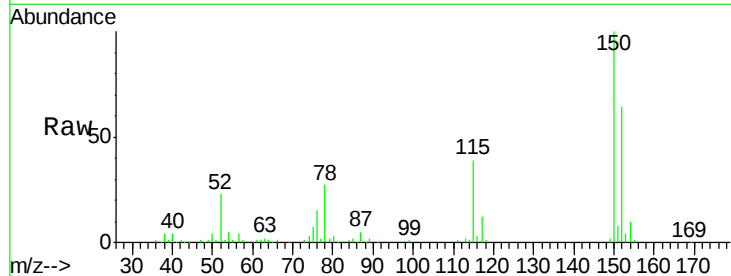
Tgt Ion:152 Resp: 73986

Ion Ratio Lower Upper

152 100

150 157.5 124.0 186.0

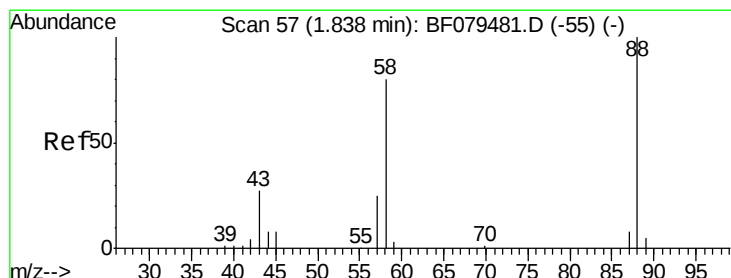
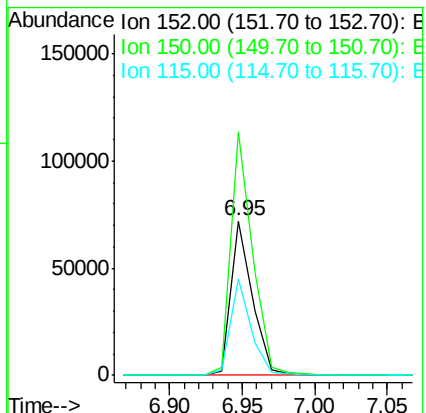
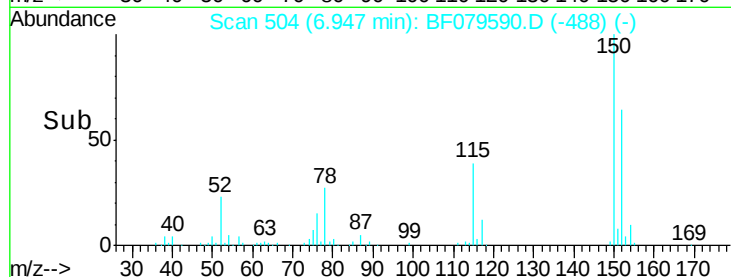
115 62.1 49.6 74.4



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



#2

1,4-Dioxane

Concen: 82.91 ng

RT: 1.66 min Scan# 41

Delta R.T. -0.11 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

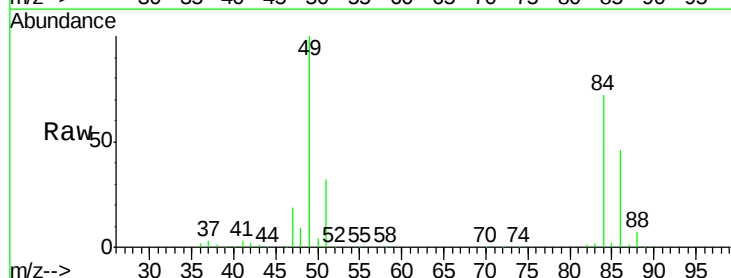
Tgt Ion: 88 Resp: 168232

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

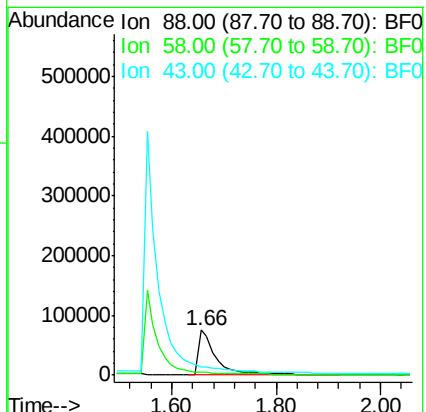
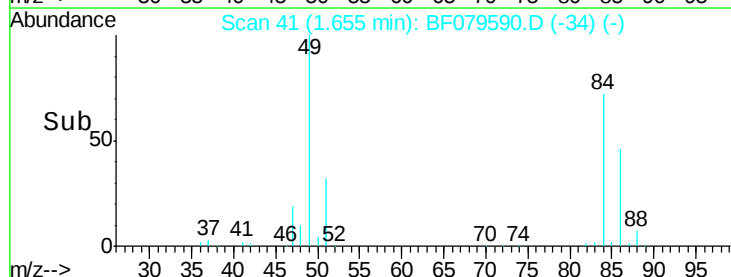
43 0.0 0.0 0.0

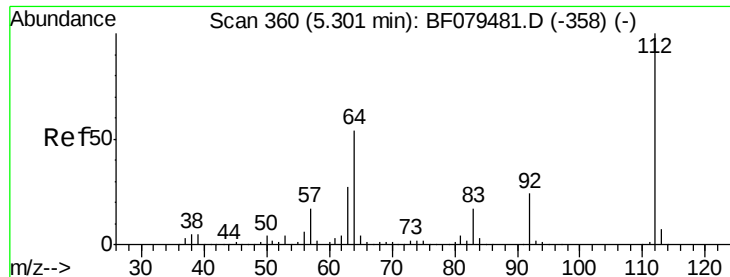


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 134.69 ng

RT: 5.22 min Scan# 353

Delta R.T. -0.01 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

Instrument :

BNA_F

ClientSampleId :

CONNECTORRD-TE1.1(5)

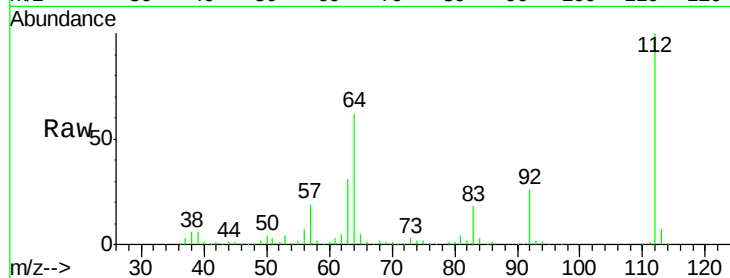
Tgt Ion: 112 Resp: 574545

Ion Ratio Lower Upper

112 100

64 62.0 43.5 65.3

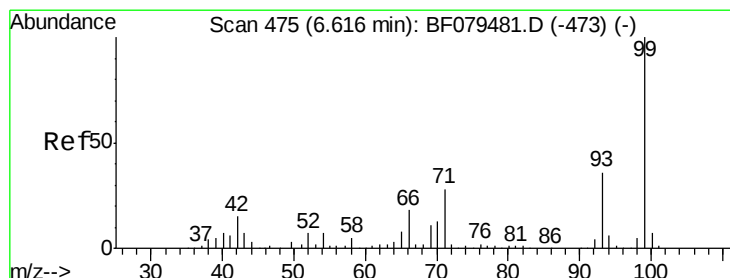
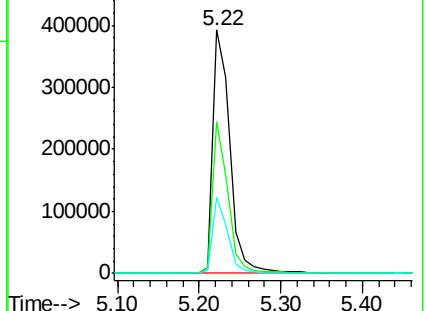
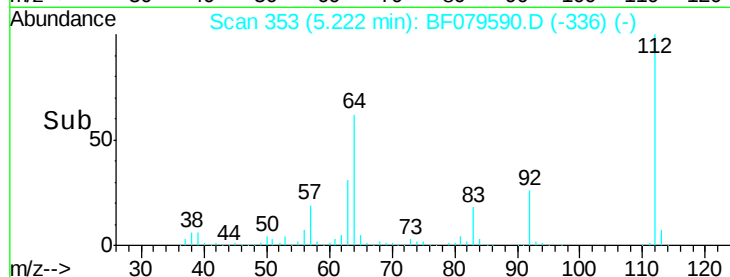
63 31.2 21.8 32.8



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: 135.07 ng

RT: 6.55 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

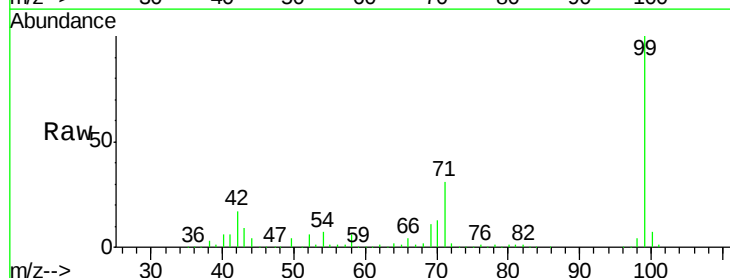
Tgt Ion: 99 Resp: 734386

Ion Ratio Lower Upper

99 100

42 17.2 11.9 17.9

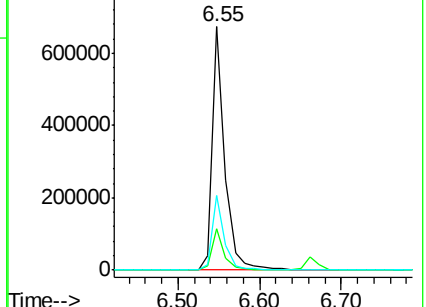
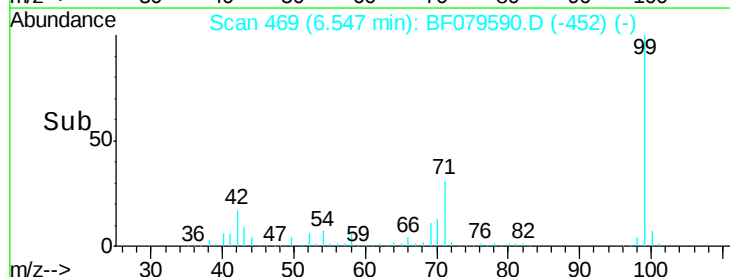
71 30.8 22.1 33.1

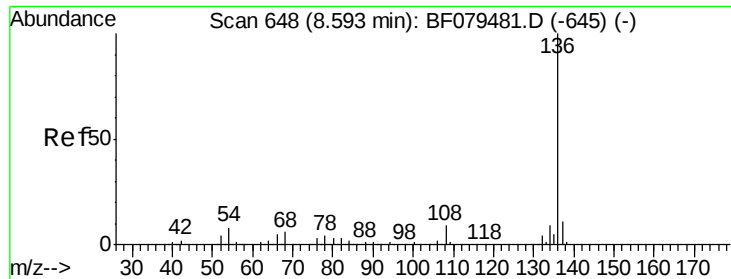


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

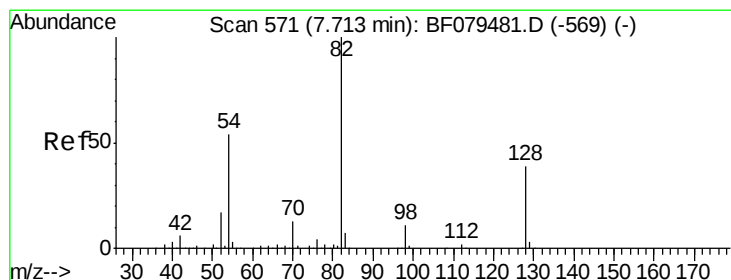
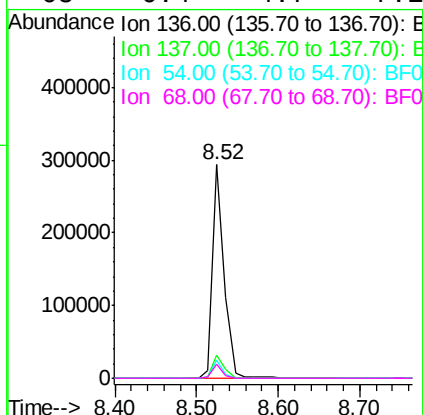
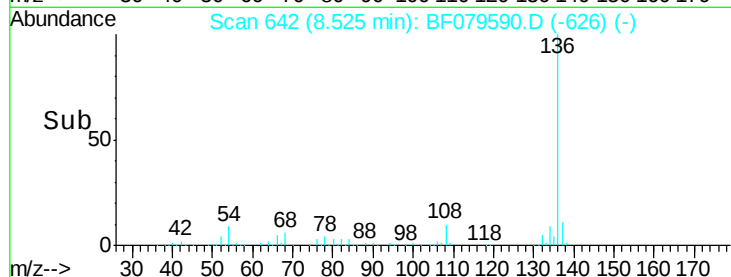
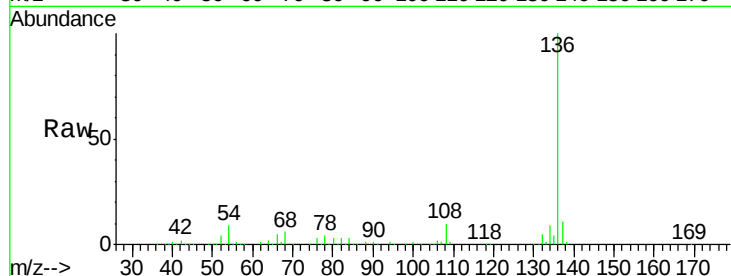




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.52 min Scan# 642
Delta R.T. -0.01 min
Lab File: BF079590.D
Acq: 30 May 2015 7:34

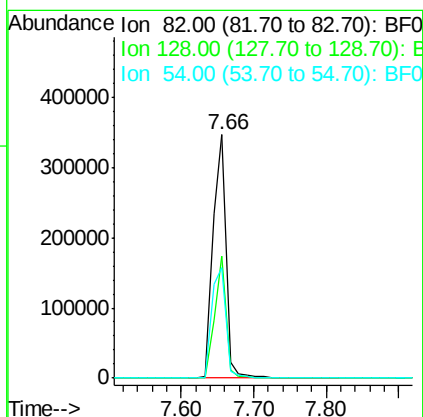
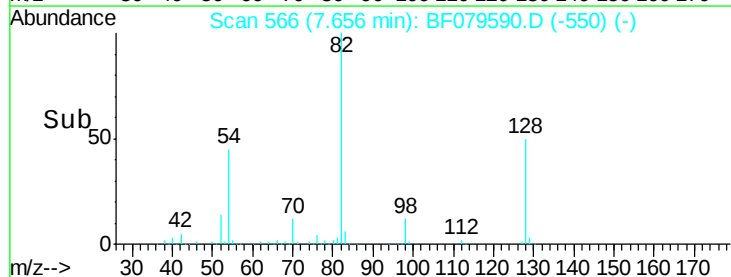
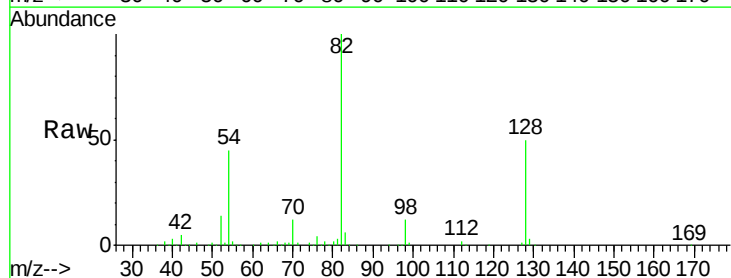
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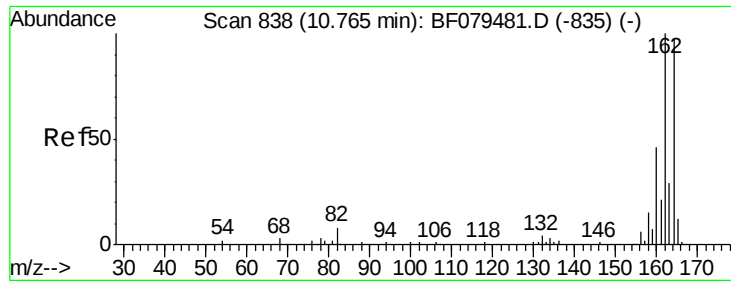
Tgt Ion:	136	Resp:	295713
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	8.6	6.6	9.8
68	6.4	4.7	7.1



#23
Nitrobenzene-d5
Concen: 83.89 ng
RT: 7.66 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF079590.D
Acq: 30 May 2015 7:34

Tgt Ion:	82	Resp:	429132
Ion	Ratio	Lower	Upper
82	100		
128	50.3	30.8	46.2#
54	45.2	42.8	64.2

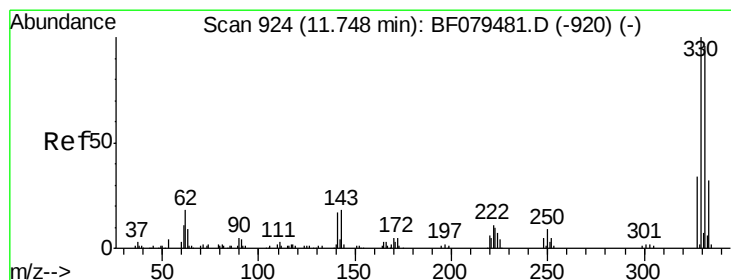
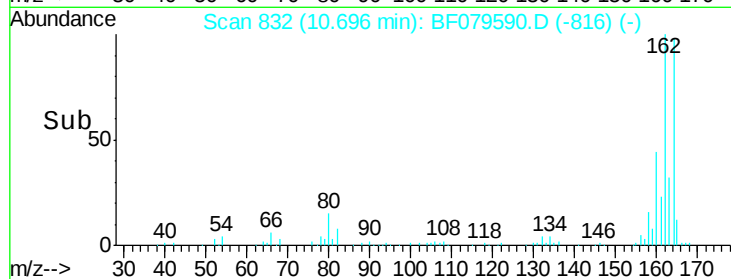
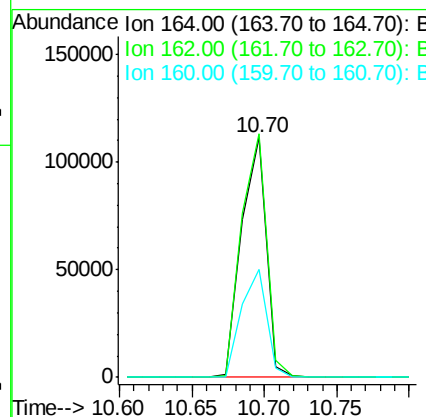
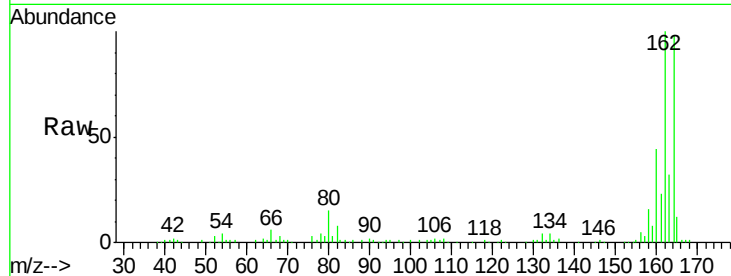




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.70 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF079590.D
Acq: 30 May 2015 7:34

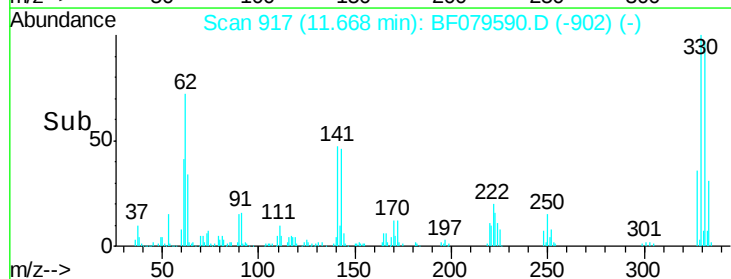
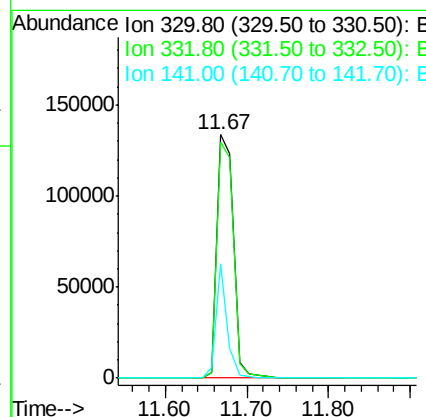
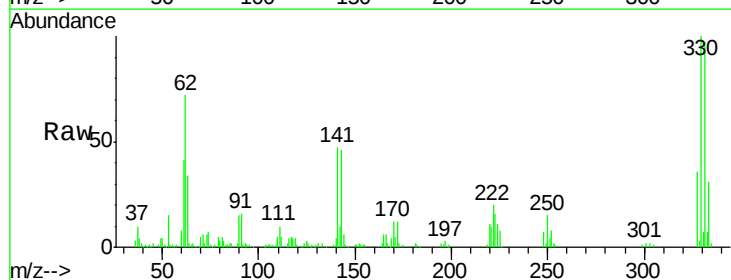
Instrument :
BNA_F
ClientSampleId :
CONNECTORRD-TE1.1(5)

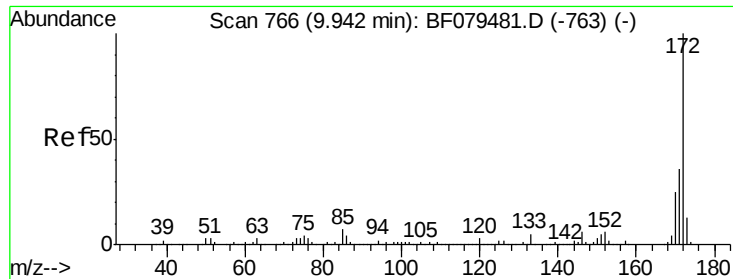
Tgt Ion:164 Resp: 131691
Ion Ratio Lower Upper
164 100
162 101.8 82.6 124.0
160 45.2 37.7 56.5



#41
2,4,6-Tribromophenol
Concen: 130.83 ng
RT: 11.67 min Scan# 917
Delta R.T. -0.02 min
Lab File: BF079590.D
Acq: 30 May 2015 7:34

Tgt Ion:330 Resp: 189241
Ion Ratio Lower Upper
330 100
332 97.5 0.0 0.0#
141 32.6 0.0 0.0#

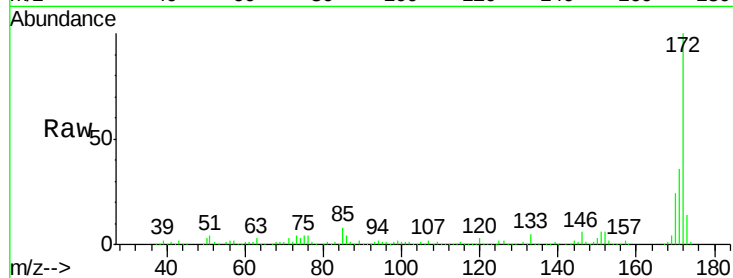




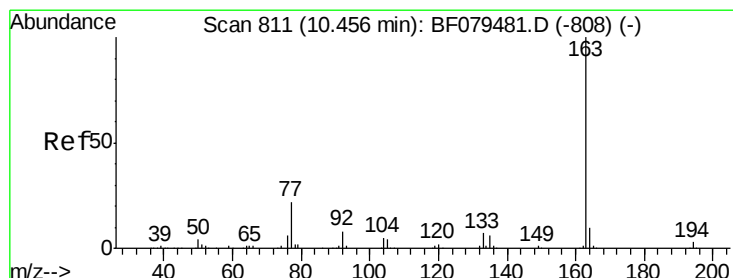
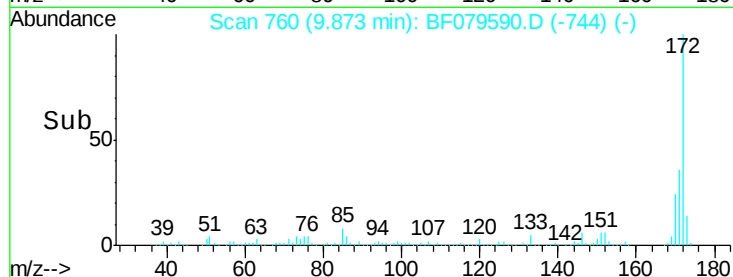
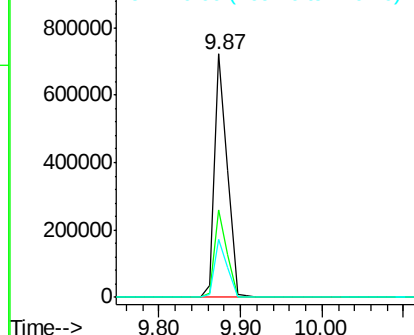
#44
 2-Fluorobiphenyl
 Concen: 85.95 ng
 RT: 9.87 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF079590.D
 Acq: 30 May 2015 7:34

Instrument :
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 ClientSampleId :
 CONNECTORRD-TE1.1(5)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	24.0	19.7	29.5

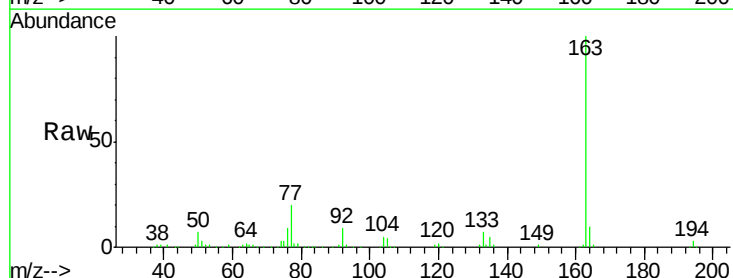


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

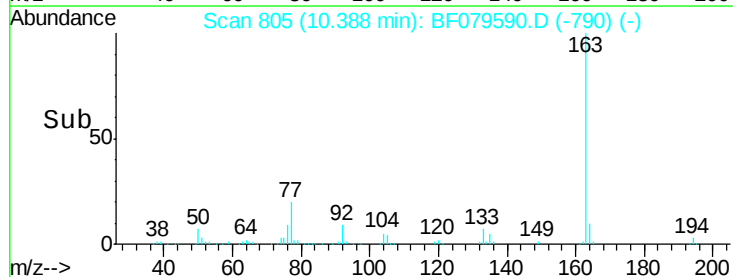
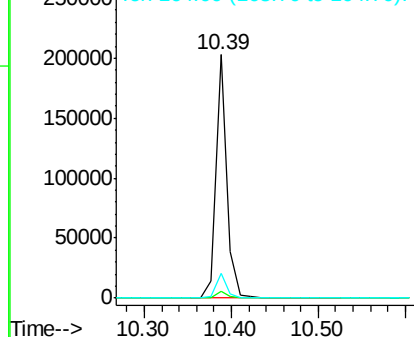


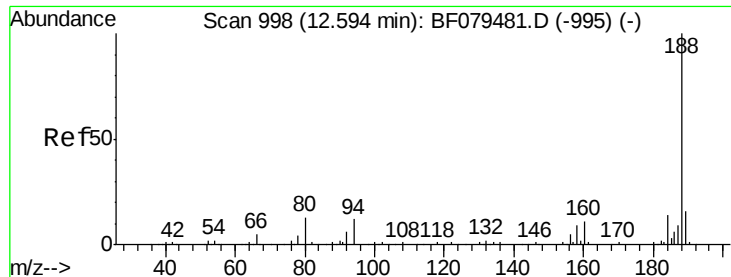
#49
 Dimethylphthalate
 Concen: 18.58 ng
 RT: 10.39 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF079590.D
 Acq: 30 May 2015 7:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.4	3.6
164	10.3	8.2	12.4



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

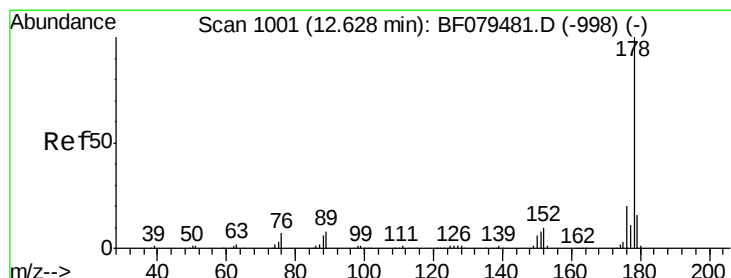
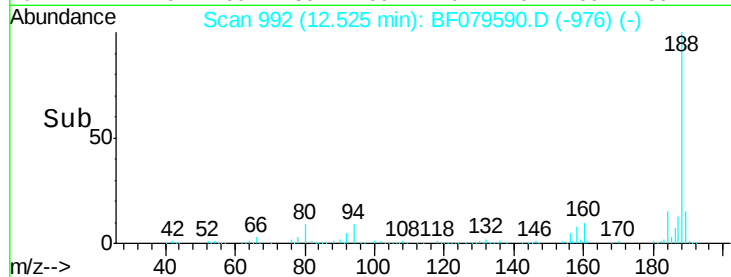
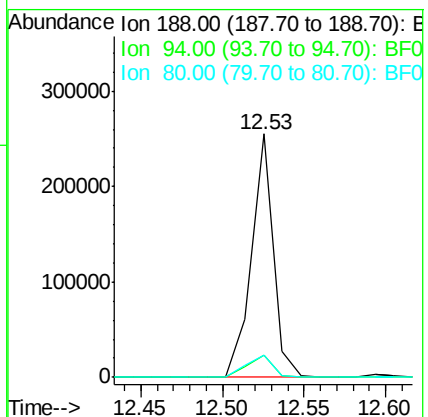
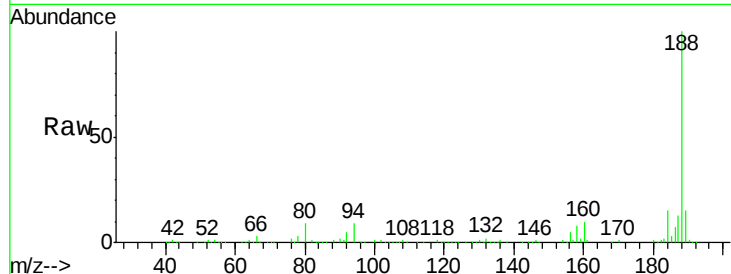




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.53 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BF079590.D
 Acq: 30 May 2015 7:34

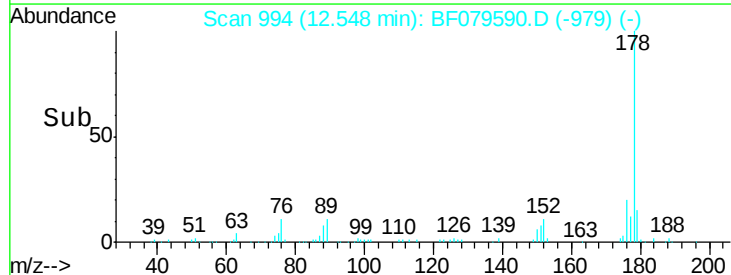
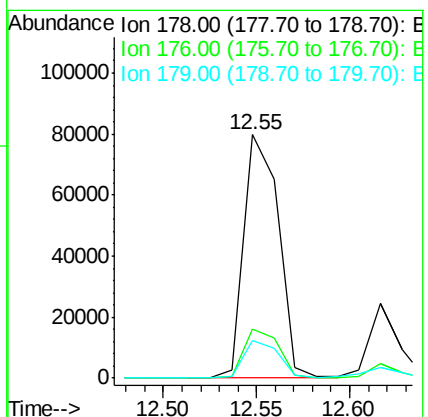
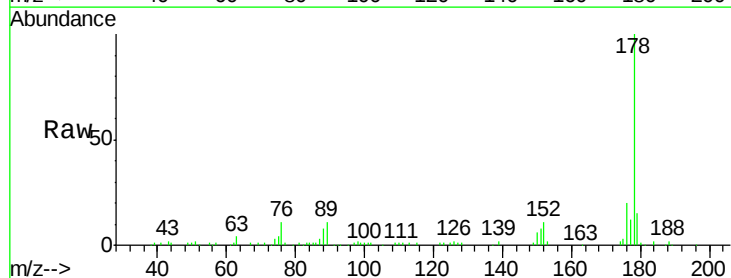
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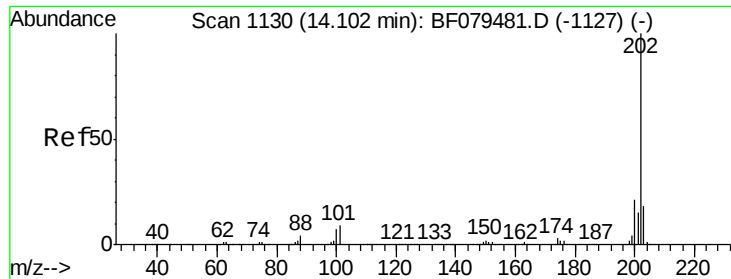
Tgt Ion:188 Resp: 238086
 Ion Ratio Lower Upper
 188 100
 94 9.0 9.8 14.6#
 80 9.1 10.5 15.7#



#70
 Phenanthrene
 Concen: 8.01 ng
 RT: 12.55 min Scan# 994
 Delta R.T. -0.02 min
 Lab File: BF079590.D
 Acq: 30 May 2015 7:34

Tgt Ion:178 Resp: 104636
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.7 23.5
 179 15.3 12.4 18.6





#74

Fluoranthene

Concen: 15.96 ng

RT: 14.02 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

Instrument :

BNA_F

ClientSampleId :

CONNECTORRD-TE1.1(5)

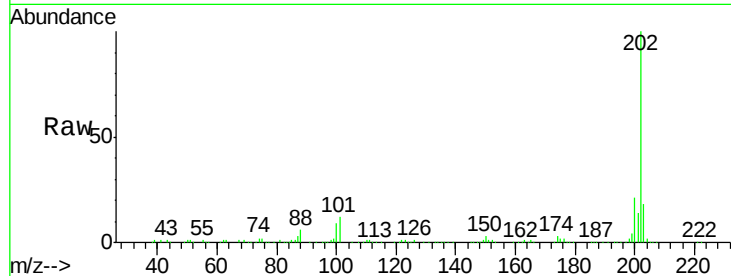
Tgt Ion: 202 Resp: 223493

Ion Ratio Lower Upper

202 100

101 12.1 0.0 29.3

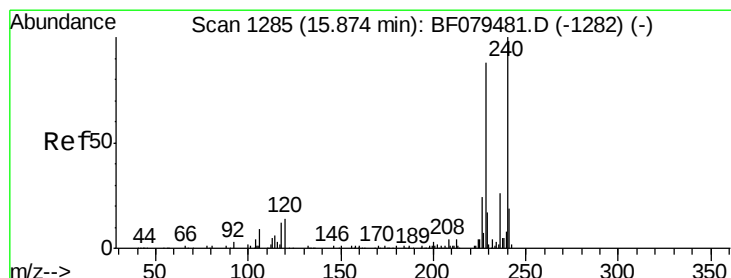
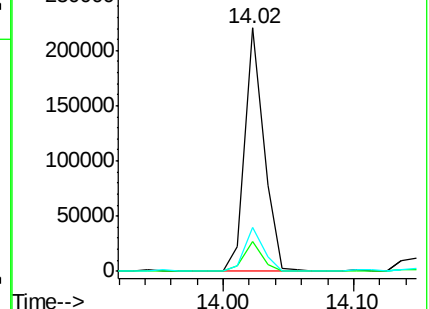
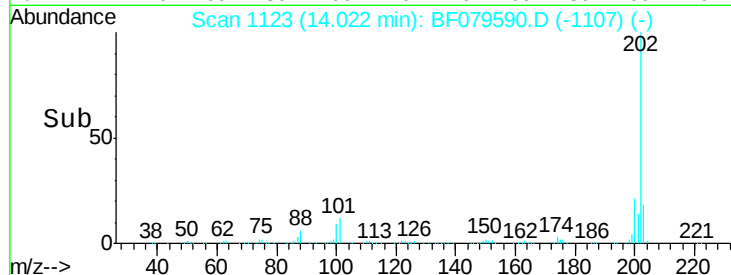
203 17.8 0.0 37.6



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: 15.82 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

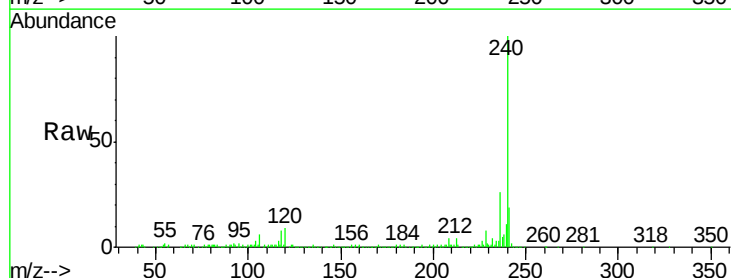
Tgt Ion: 240 Resp: 240158

Ion Ratio Lower Upper

240 100

120 9.5 10.8 16.2#

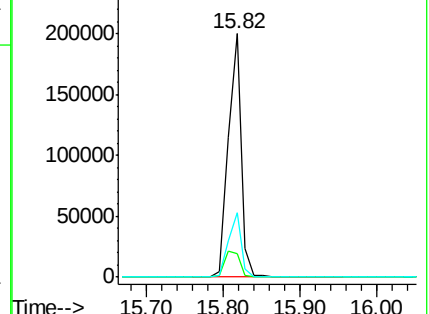
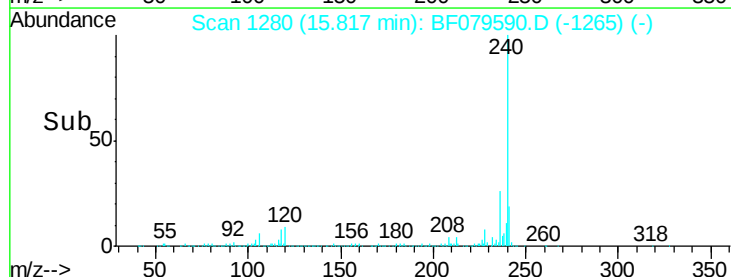
236 26.5 21.0 31.6

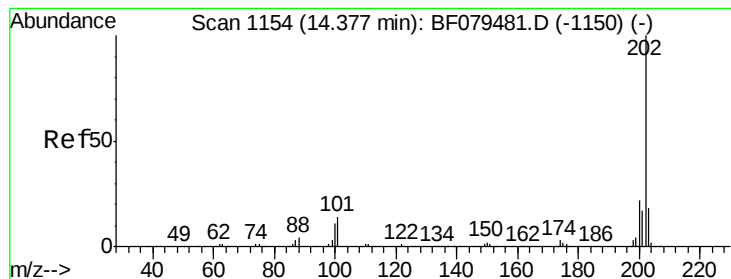


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.41 ng

RT: 14.30 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

Instrument :

BNA_F

ClientSampleId :

CONNECTORRD-TE1.1(5)

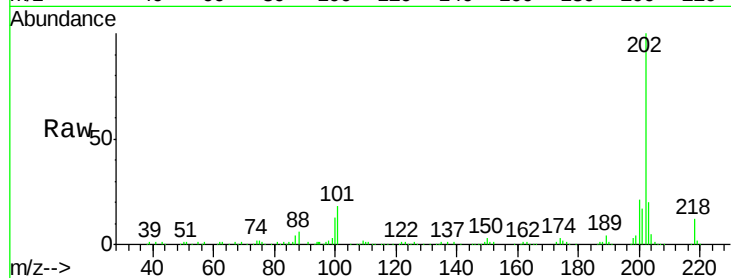
Tgt Ion: 202 Resp: 199462

Ion Ratio Lower Upper

202 100

200 20.9 17.5 26.3

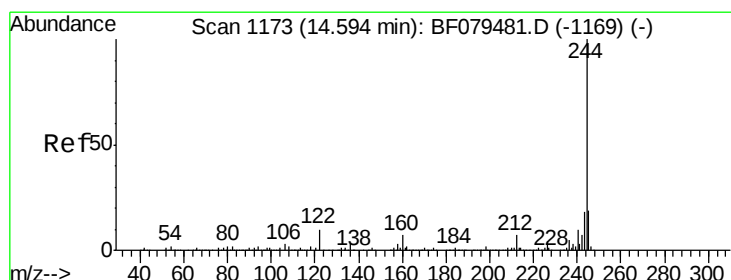
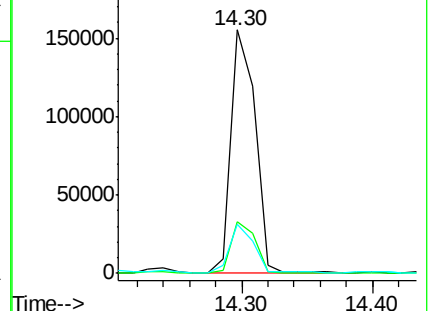
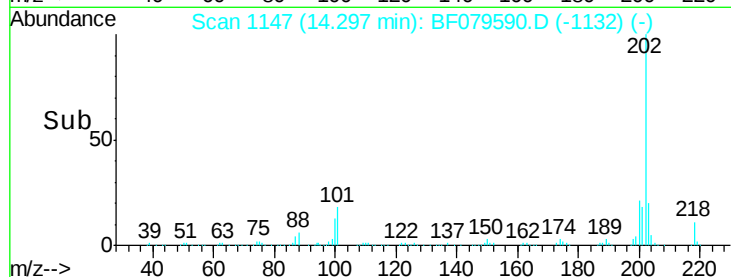
203 20.2 14.4 21.6



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: 78.33 ng

RT: 14.53 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

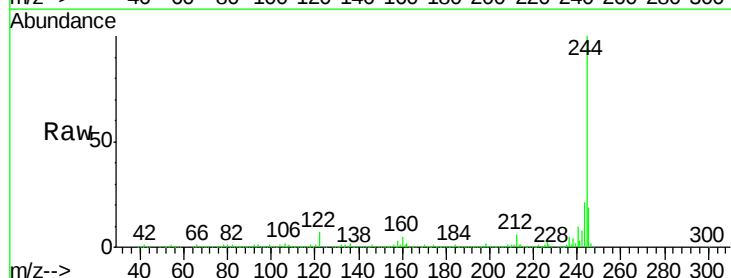
Tgt Ion: 244 Resp: 801580

Ion Ratio Lower Upper

244 100

212 6.1 5.2 7.8

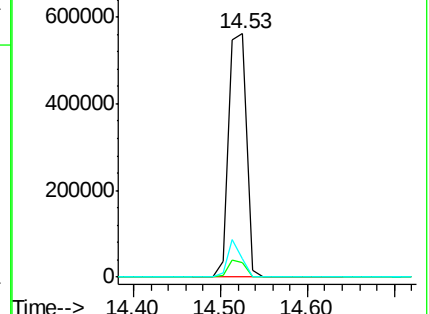
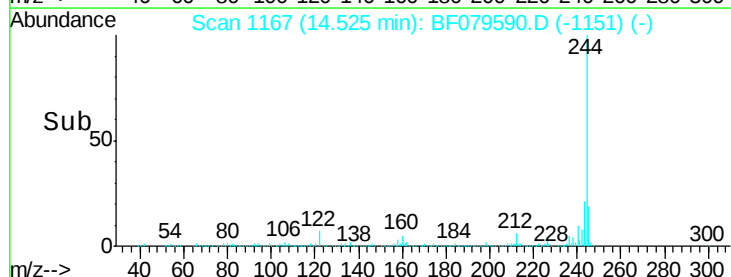
122 7.4 8.0 12.0#

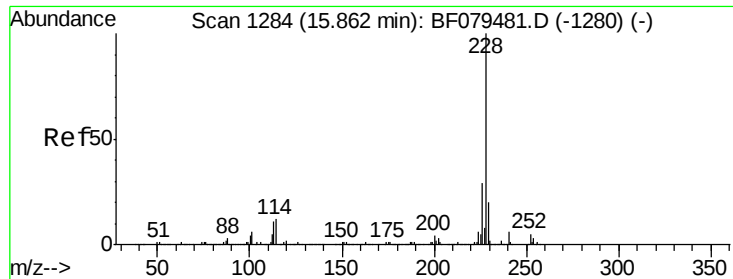


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

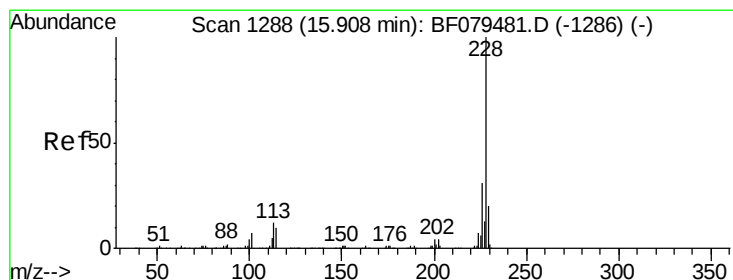
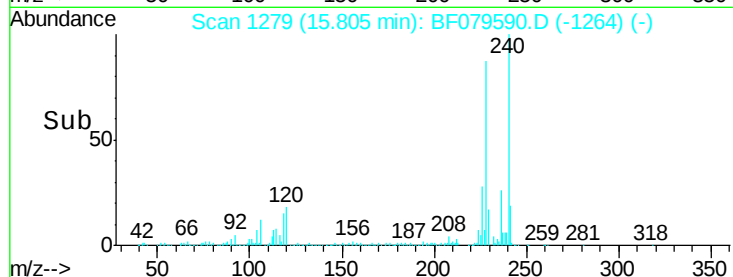
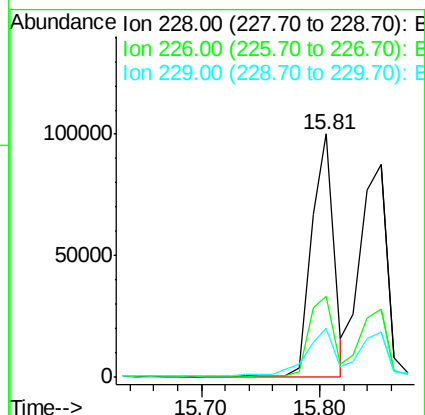
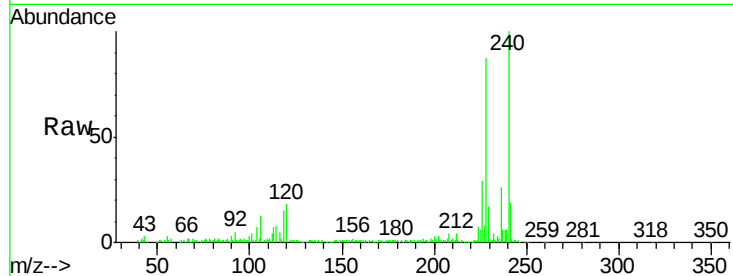




#80
Benzo(a)anthracene
Concen: 9.47 ng
RT: 15.81 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF079590.D
Acq: 30 May 2015 7:34

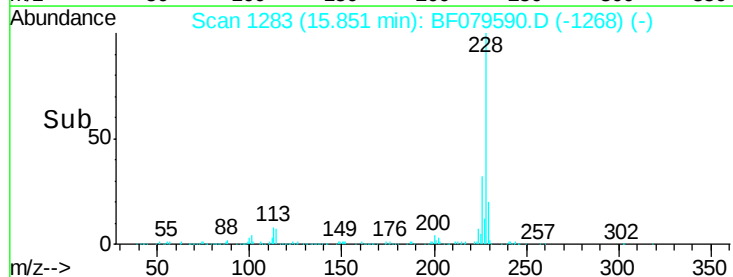
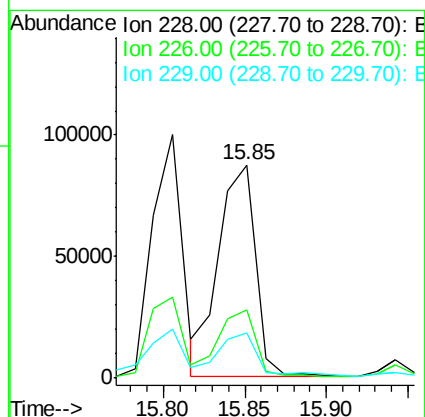
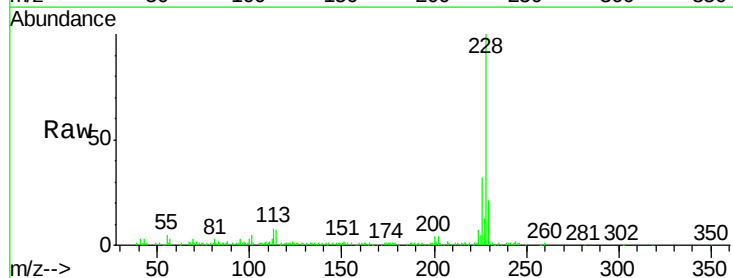
Instrument :
BNA_F
ClientSampleId :
CONNECTORRD-TE1.1(5)

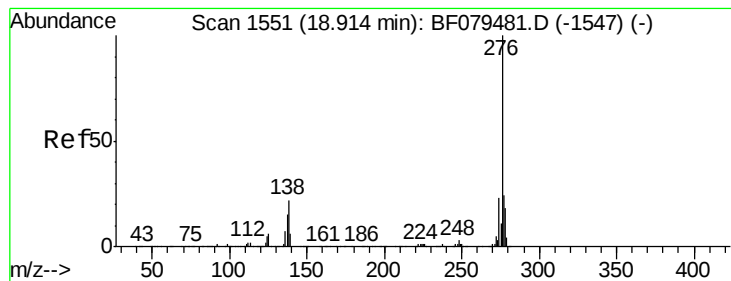
Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.8	34.2
229	20.1	15.9	23.9



#82
Chrysene
Concen: 10.41 ng
RT: 15.85 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF079590.D
Acq: 30 May 2015 7:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.4
229	21.0	15.9	23.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.01 ng

RT: 18.95 min Scan# 1554

Delta R.T. -0.07 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

Instrument :

BNA_F

ClientSampleId :

CONNECTORRD-TE1.1(5)

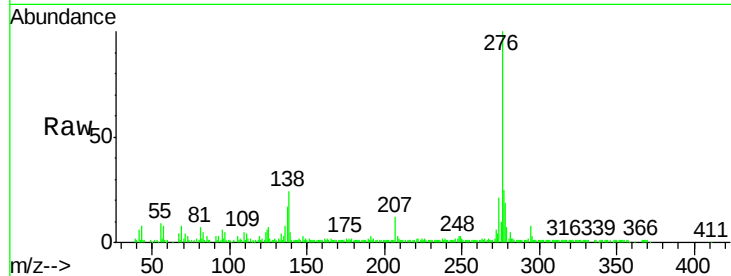
Tgt Ion: 276 Resp: 118481

Ion Ratio Lower Upper

276 100

138 24.5 21.4 32.2

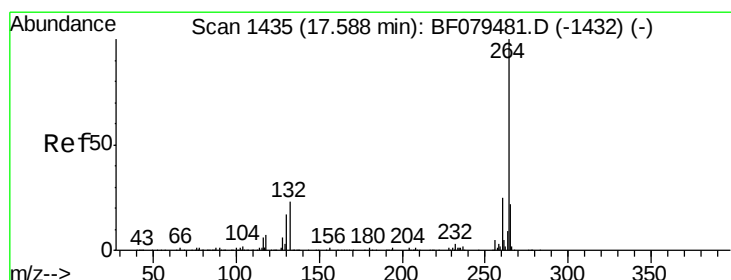
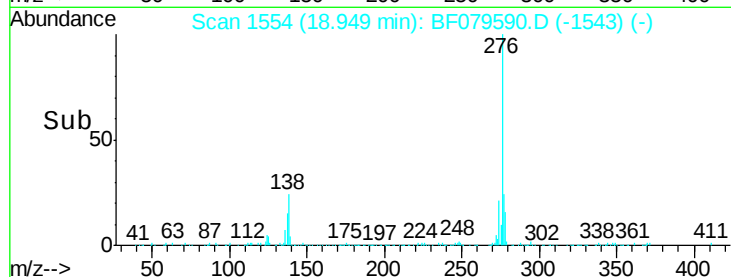
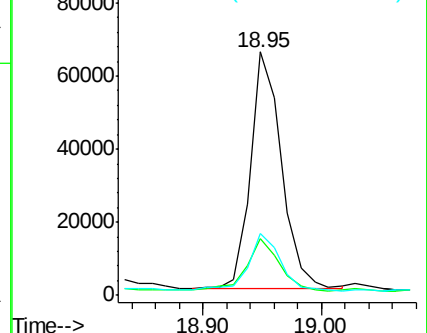
277 25.5 19.8 29.6



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: 17.62 min Scan# 1438

Delta R.T. -0.05 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

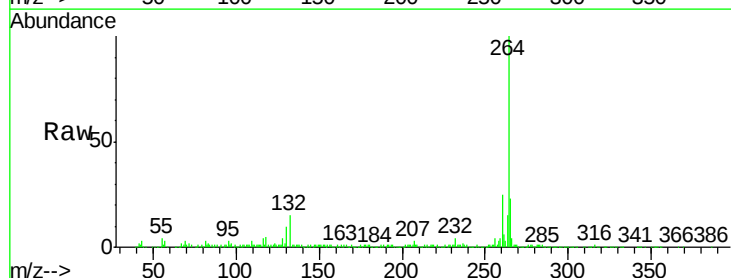
Tgt Ion: 264 Resp: 258029

Ion Ratio Lower Upper

264 100

260 25.0 19.8 29.8

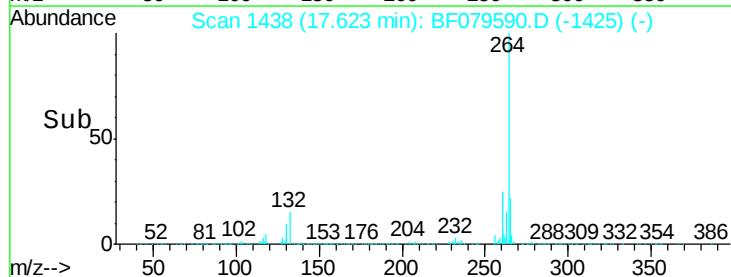
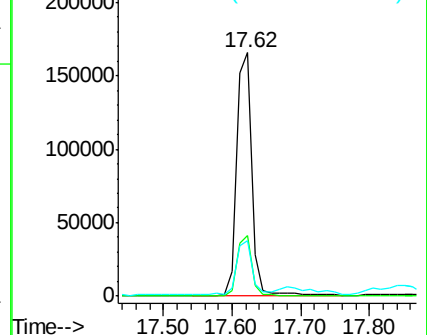
265 22.6 17.8 26.6

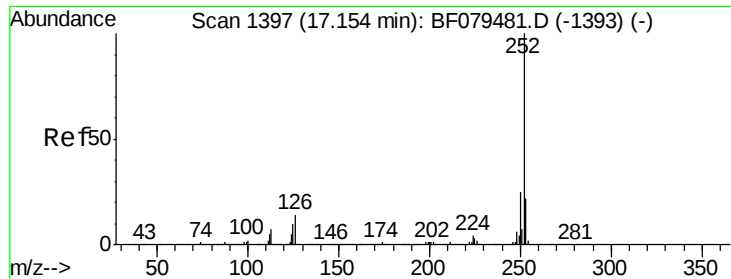


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 17.28 ng

RT: 17.15 min Scan# 1397

Delta R.T. -0.05 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

Instrument :

BNA_F

ClientSampleId :

CONNECTORRD-TE1.1(5)

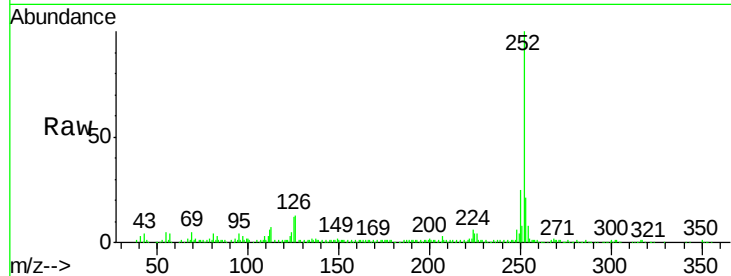
Tgt Ion:252 Resp: 254363

Ion Ratio Lower Upper

252 100

253 21.3 17.6 26.4

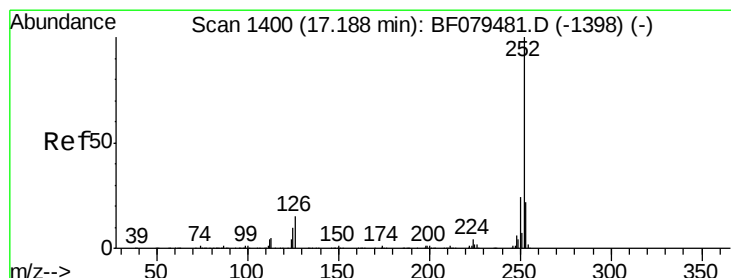
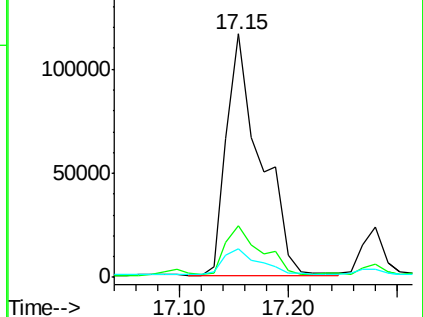
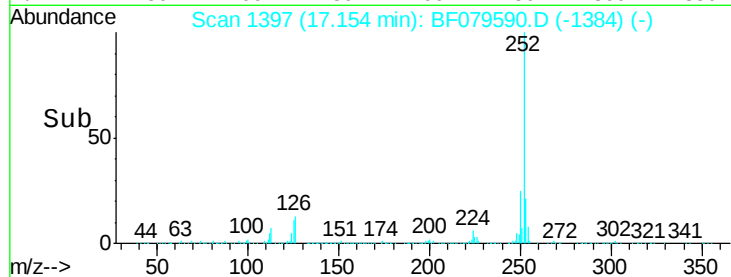
125 11.7 7.8 11.6#



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



#88

Benzo(k)fluoranthene

Concen: 19.33 ng

RT: 17.15 min Scan# 1397

Delta R.T. -0.08 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

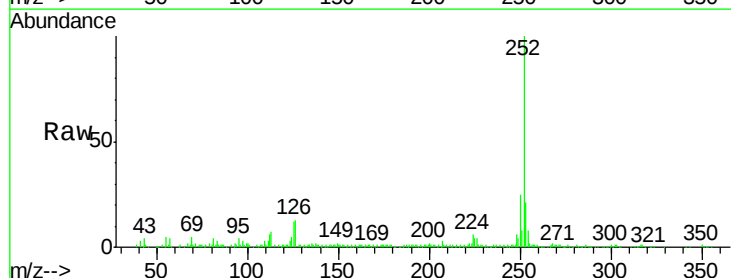
Tgt Ion:252 Resp: 254363

Ion Ratio Lower Upper

252 100

253 21.3 17.2 25.8

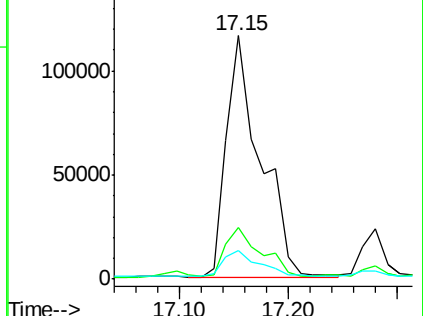
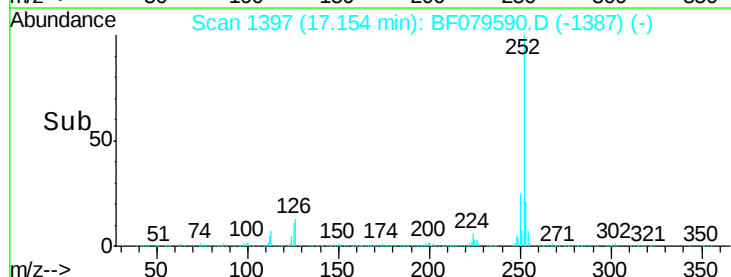
125 11.7 6.8 10.2#

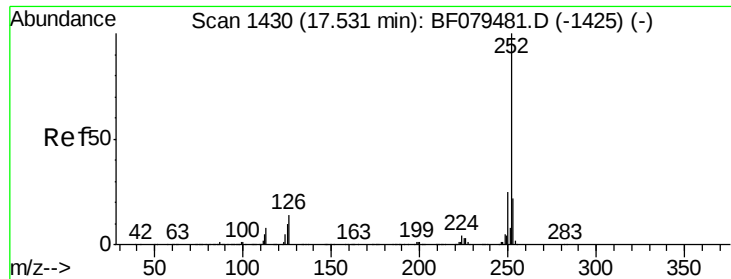


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.75 ng

RT: 17.55 min Scan# 1432

Delta R.T. -0.06 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

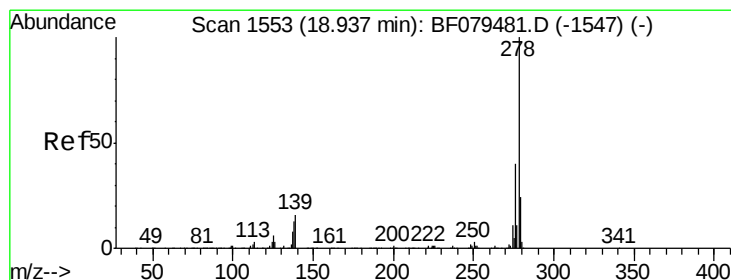
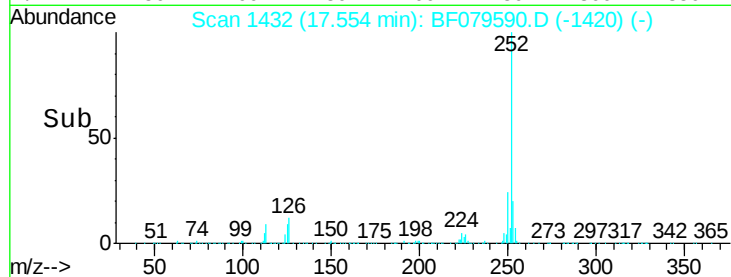
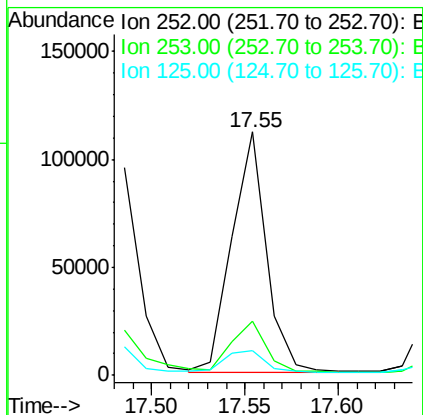
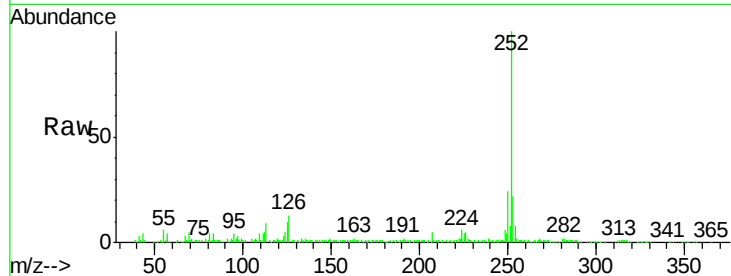
Instrument :

BNA_F

ClientSampleId :

CONNECTORRD-TE1.1(5)

Tgt Ion:	252	Resp:	145257
Ion Ratio		Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.4	7.9	11.9



#90

Dibenzo(a,h)anthracene

Concen: 2.22 ng

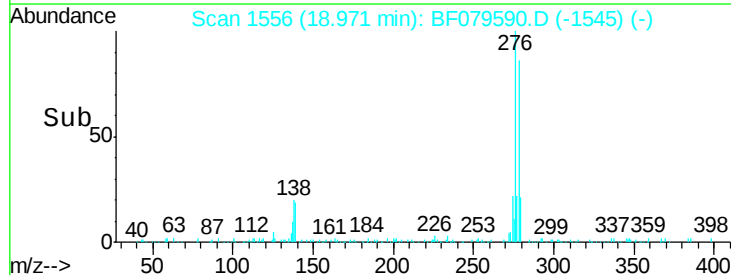
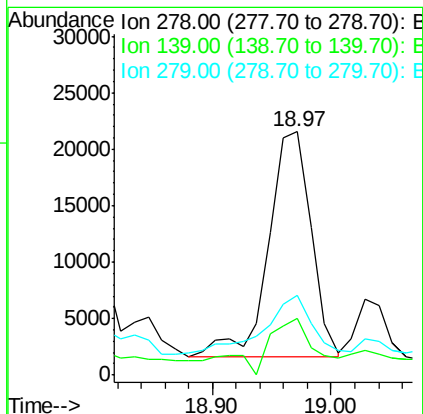
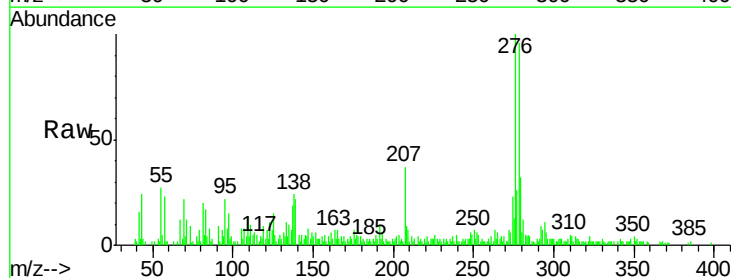
RT: 18.97 min Scan# 1556

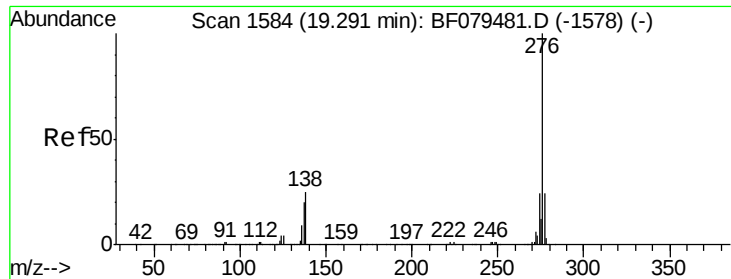
Delta R.T. -0.07 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

Tgt Ion:	278	Resp:	49474
Ion Ratio		Lower	Upper
278	100		
139	23.2	12.8	19.2#
279	33.0	19.1	28.7#





#91

Benzo(g,h,i)perylene

Concen: 9.45 ng

RT: 19.33 min Scan# 1587

Delta R.T. -0.08 min

Lab File: BF079590.D

Acq: 30 May 2015 7:34

Instrument :

BNA_F

ClientSampleId :

CONNECTORRD-TE1.1(5)

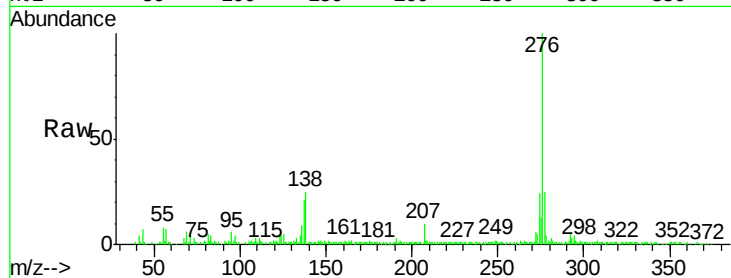
Tgt Ion: 276 Resp: 152058

Ion Ratio Lower Upper

276 100

277 25.3 19.1 28.7

138 25.2 20.1 30.1



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

