

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052915\
 Data File : BF079595.D
 Acq On : 30 May 2015 9:56
 Operator : TP/IZ
 Sample : G2416-14
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAMP440NB-TP5.2(3)

Quant Time: May 31 05:31:15 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	70241	20.00	ng	-0.01
21) Naphthalene-d8	8.52	136	279333	20.00	ng	-0.01
38) Acenaphthene-d10	10.70	164	127516	20.00	ng	-0.01
63) Phenanthrene-d10	12.53	188	235487	20.00	ng	-0.01
75) Chrysene-d12	15.81	240	249759	20.00	ng	-0.03
86) Perylene-d12	17.58	264	259934	20.00	ng	-0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	511850	126.39	ng	0.00
7) Phenol-d6	6.55	99	655325	126.96	ng	-0.01
23) Nitrobenzene-d5	7.66	82	368697	76.30	ng	-0.01
41) 2,4,6-Tribromophenol	11.68	330	174545	124.62	ng	-0.01
44) 2-Fluorobiphenyl	9.87	172	595609	66.64	ng	-0.01
78) Terphenyl-d14	14.51	244	629820	59.18	ng	-0.02

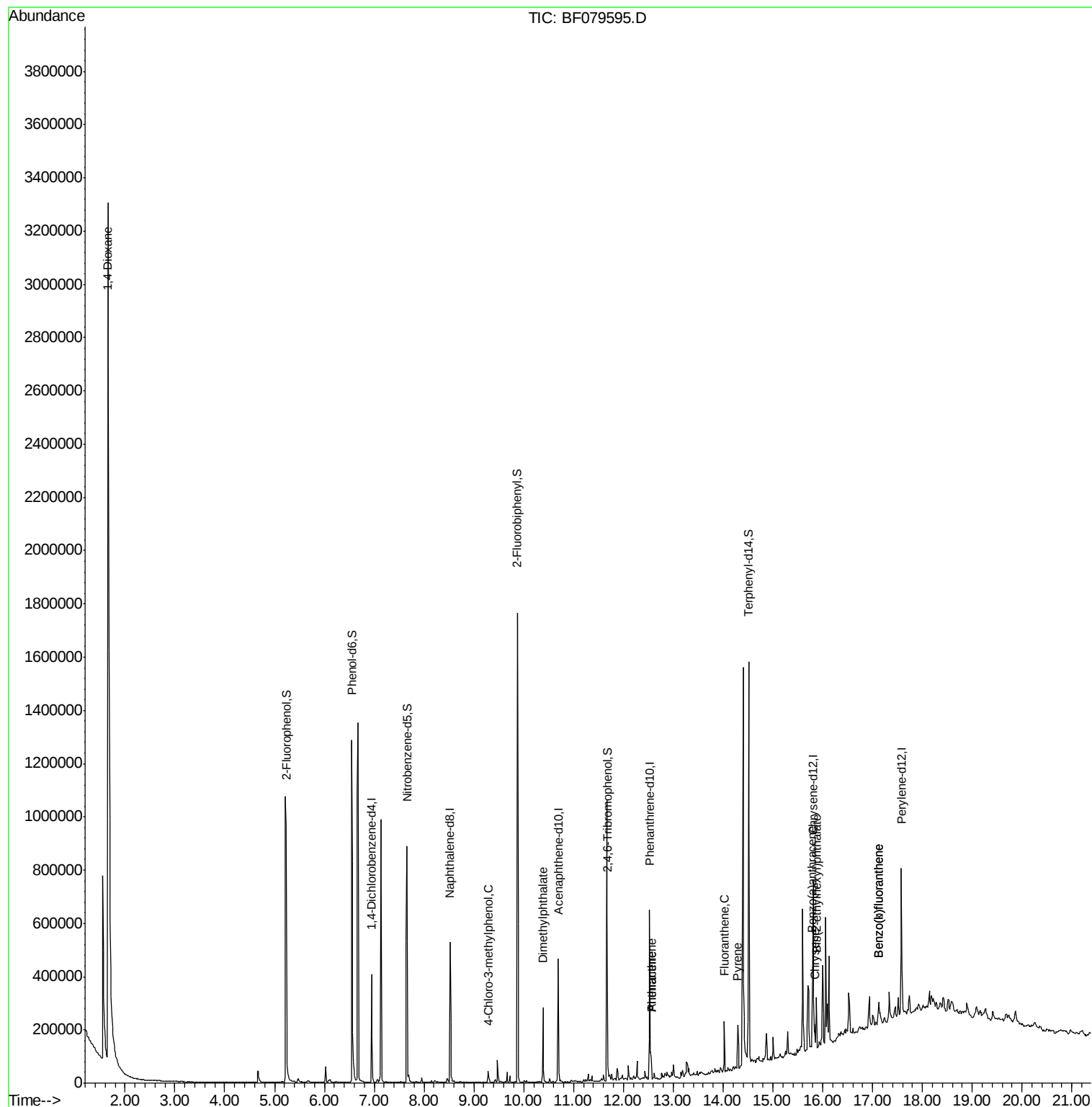
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.66	88	182085	94.52	ng	# 100
9) Benzaldehyde	6.42	77	259	Below Cal		# 47
36) 4-Chloro-3-methylphenol	9.29	107	10096	2.62	ng	# 25
49) Dimethylphthalate	10.39	163	115927	12.34	ng	99
70) Phenanthrene	12.56	178	50175	3.88	ng	98
71) Anthracene	12.56	178	50175	3.83	ng	99
73) Di-n-butylphthalate	13.29	149	4788	Below Cal		# 92
74) Fluoranthene	14.02	202	85380	6.16	ng	95
77) Pyrene	14.30	202	73903	4.78	ng	97
80) Benzo(a)anthracene	15.79	228	46363	3.23	ng	95
82) Chrysene	15.84	228	36948	2.71	ng	97
83) Bis(2-ethylhexyl)phthalate	15.87	149	68937	6.92	ng	# 98
87) Benzo(b)fluoranthene	17.12	252	68863	4.65	ng	# 93
88) Benzo(k)fluoranthene	17.12	252	68863	5.19	ng	# 91
90) Dibenzo(a,h)anthracene	18.91	278	7656	Below Cal		# 59
91) Benzo(g,h,i)perylene	19.27	276	23980	Below Cal		96

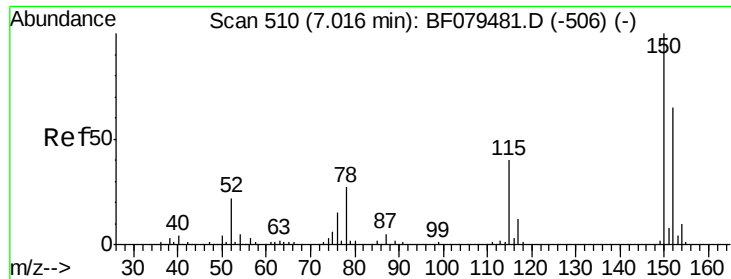
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 29 17:35:14 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

Instrument :

BNA_F

ClientSampleId :

RAMP440NB-TP5.2(3)

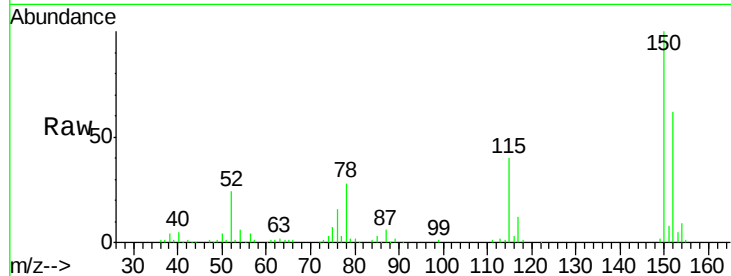
Tgt Ion:152 Resp: 70241

Ion Ratio Lower Upper

152 100

150 161.0 124.0 186.0

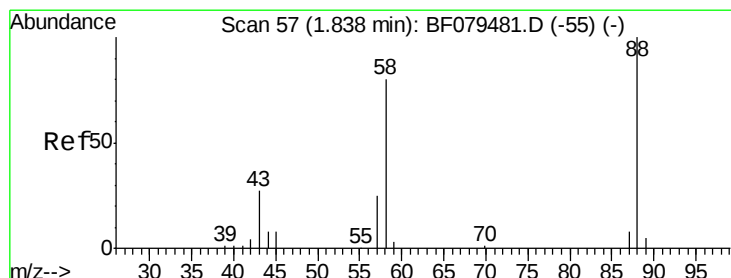
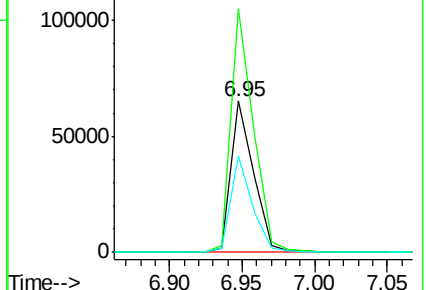
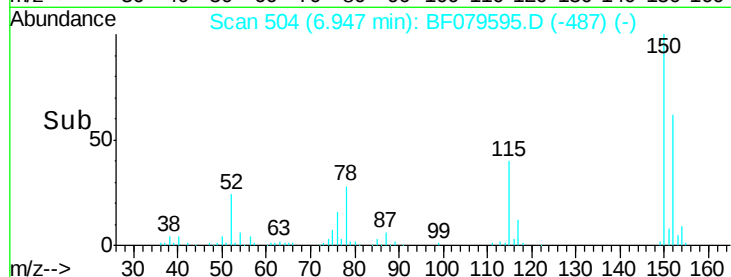
115 64.1 49.6 74.4



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: 94.52 ng

RT: 1.66 min Scan# 41

Delta R.T. -0.11 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

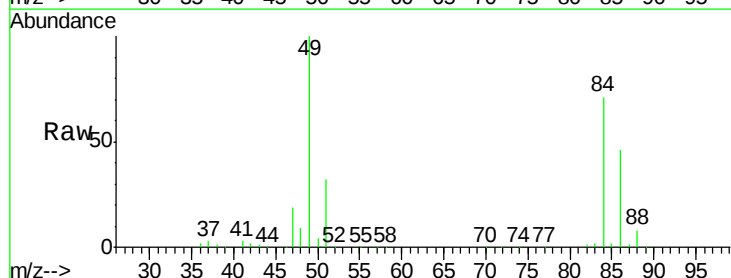
Tgt Ion: 88 Resp: 182085

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

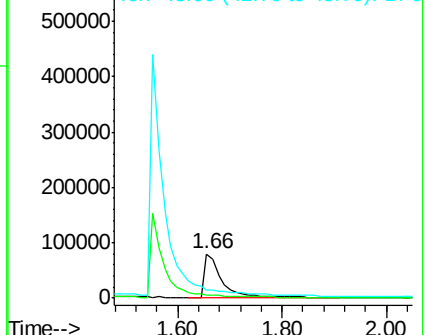
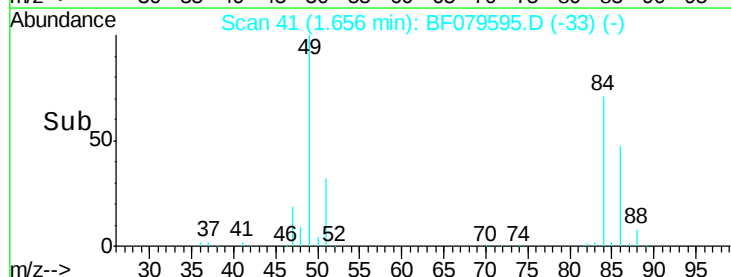
43 0.0 0.0 0.0

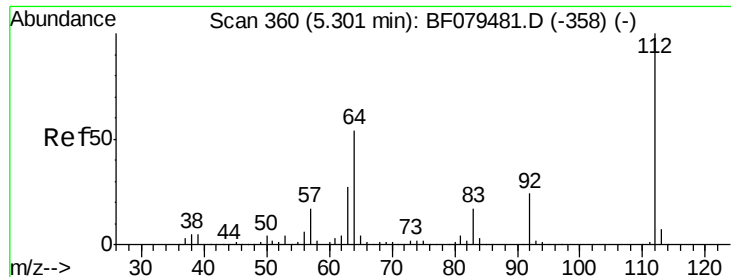


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 126.39 ng

RT: 5.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

Instrument :

BNA_F

ClientSampleId :

RAMP440NB-TP5.2(3)

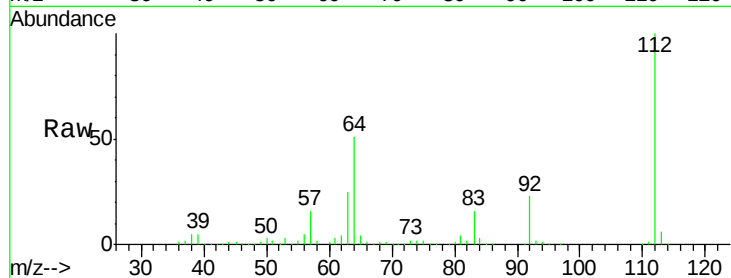
Tgt Ion: 112 Resp: 511850

Ion Ratio Lower Upper

112 100

64 50.9 43.5 65.3

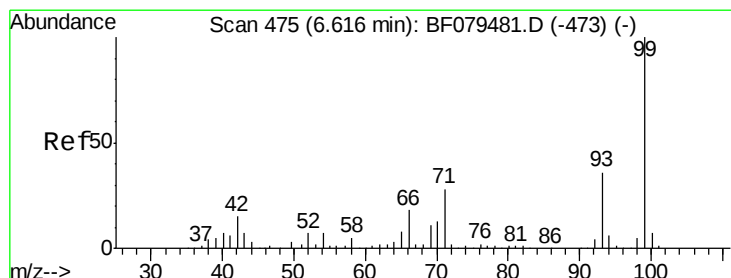
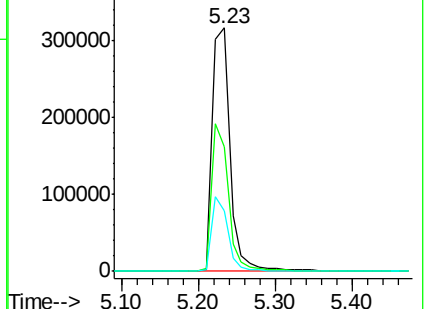
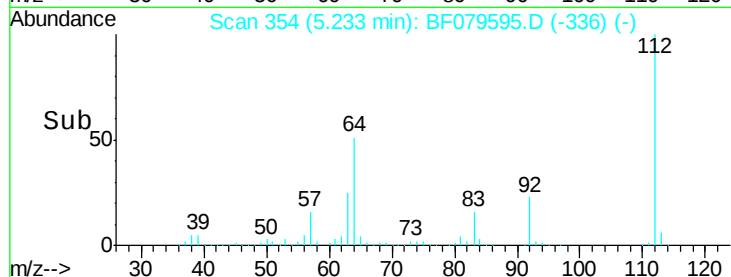
63 25.0 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): BF079481.D (-358) (-)

Ion 64.00 (63.70 to 64.70): BF079481.D (-358) (-)

Ion 63.00 (62.70 to 63.70): BF079481.D (-358) (-)



#7

Phenol-d6

Concen: 126.96 ng

RT: 6.55 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

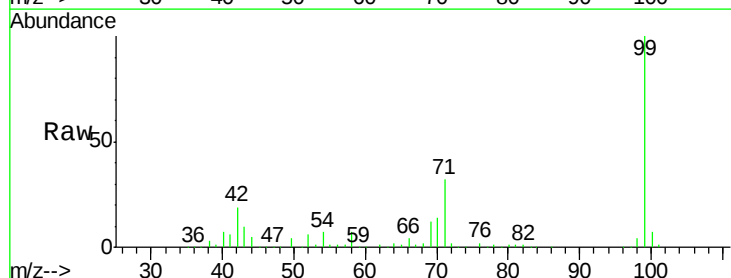
Tgt Ion: 99 Resp: 655325

Ion Ratio Lower Upper

99 100

42 19.2 11.9 17.9#

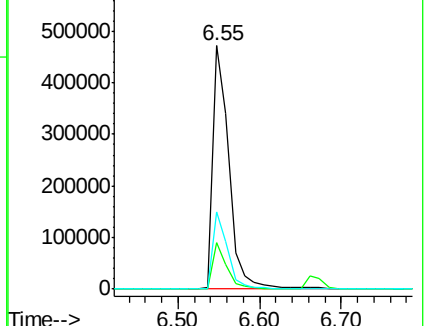
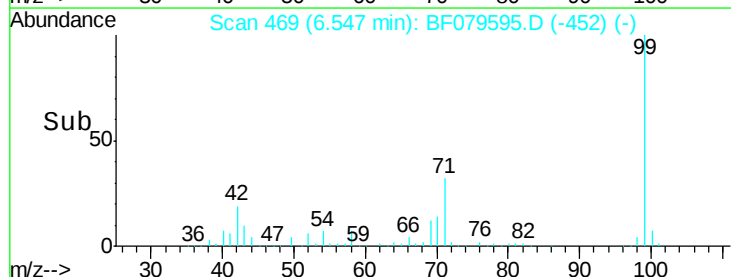
71 31.8 22.1 33.1

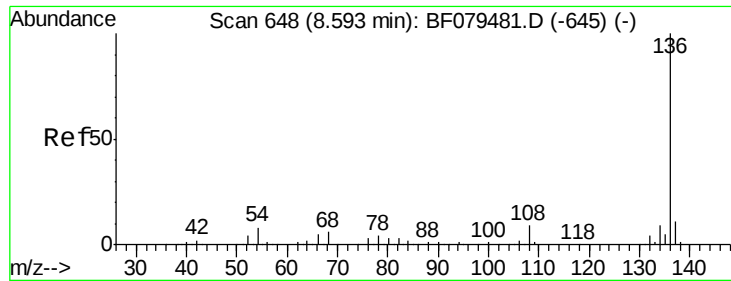


Abundance Ion 99.00 (98.70 to 99.70): BF079481.D (-473) (-)

Ion 42.00 (41.70 to 42.70): BF079481.D (-473) (-)

Ion 71.00 (70.70 to 71.70): BF079481.D (-473) (-)

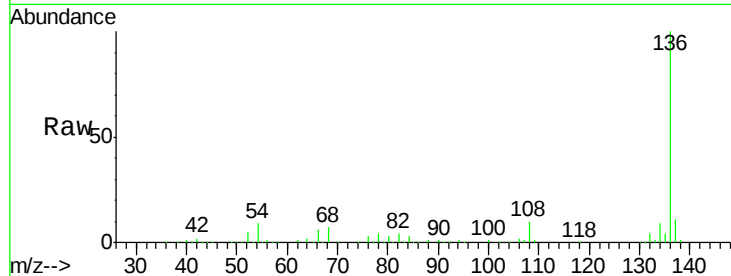




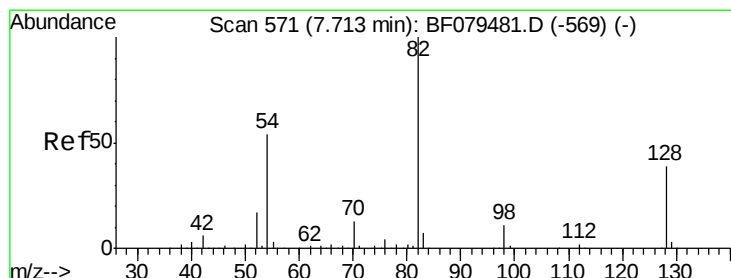
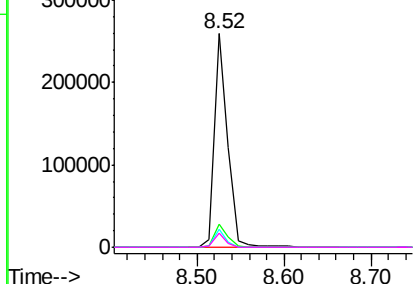
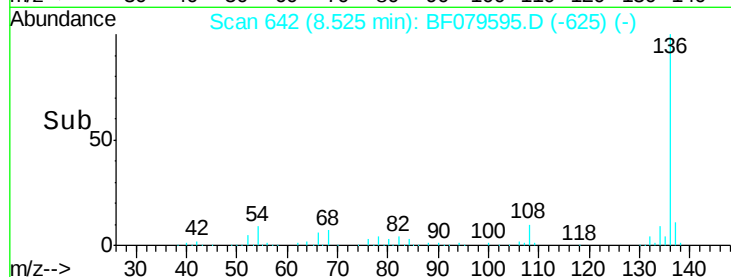
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.52 min Scan# 642
Delta R.T. -0.01 min
Lab File: BF079595.D
Acq: 30 May 2015 9:56

Instrument :
BNA_F
ClientSampleId :
RAMP440NB-TP5.2(3)

Tgt Ion:	136	Resp:	279333
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	8.6	6.6	9.8
68	6.6	4.7	7.1

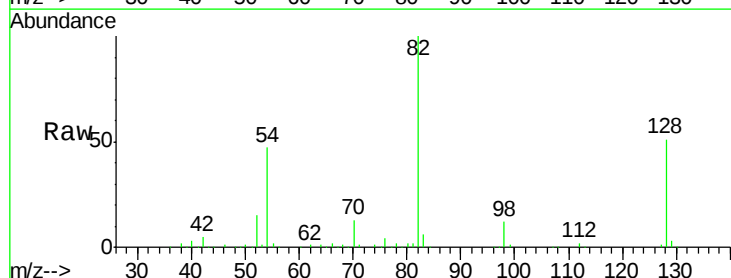


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

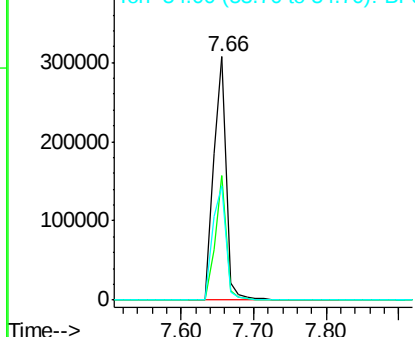
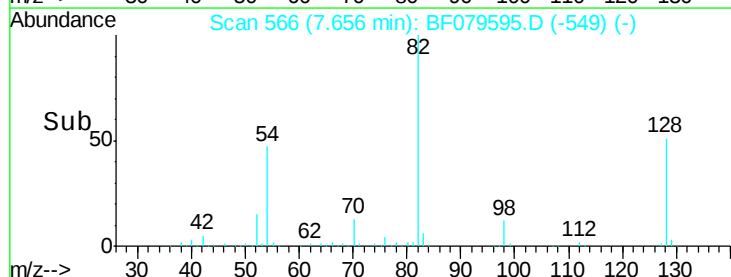


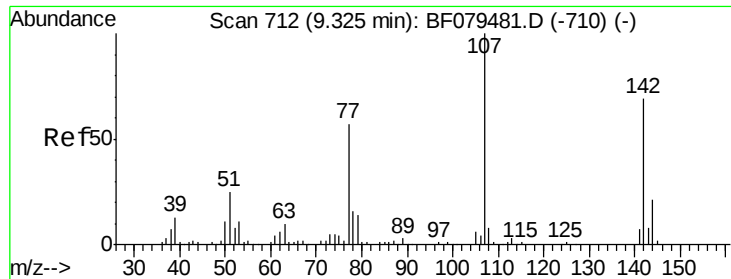
#23
Nitrobenzene-d5
Concen: 76.30 ng
RT: 7.66 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF079595.D
Acq: 30 May 2015 9:56

Tgt Ion:	82	Resp:	368697
Ion Ratio	Lower	Upper	
82	100		
128	51.3	30.8	46.2#
54	46.9	42.8	64.2



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

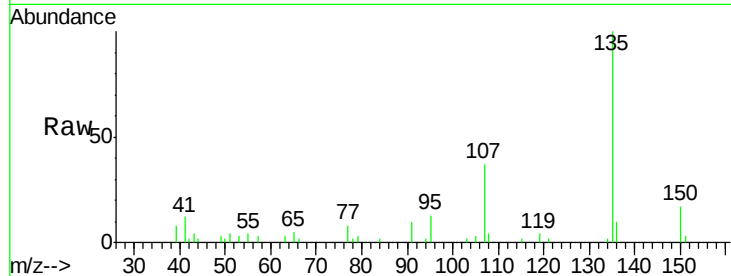




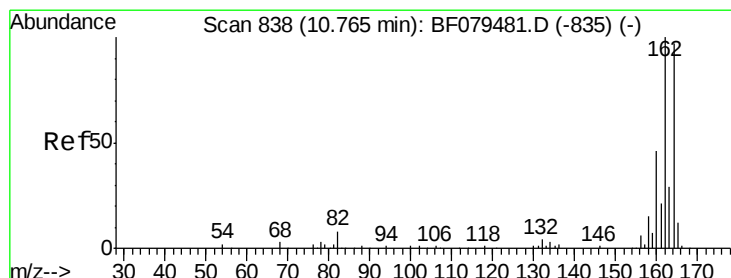
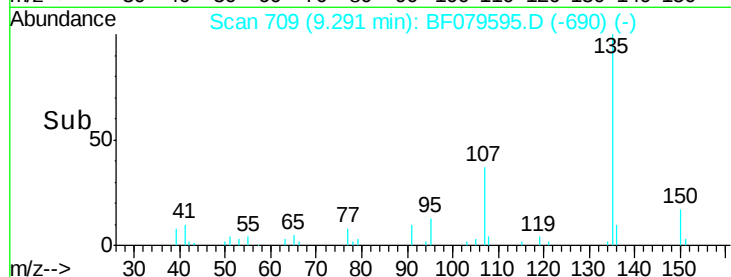
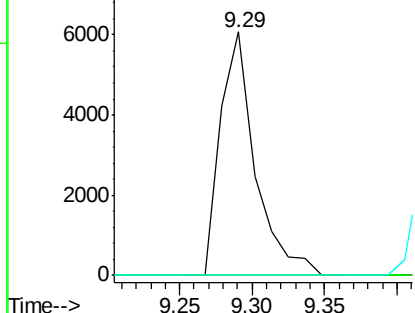
#36
 4-Chloro-3-methylphenol
 Concen: 2.62 ng
 RT: 9.29 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: BF079595.D
 Acq: 30 May 2015 9:56

Instrument :
 BNA_F
 ClientSampleId :
 RAMP440NB-TP5.2(3)

Tgt Ion	Ratio	Lower	Upper
107	100		
144	0.0	16.9	25.3#
142	0.0	55.2	82.8#

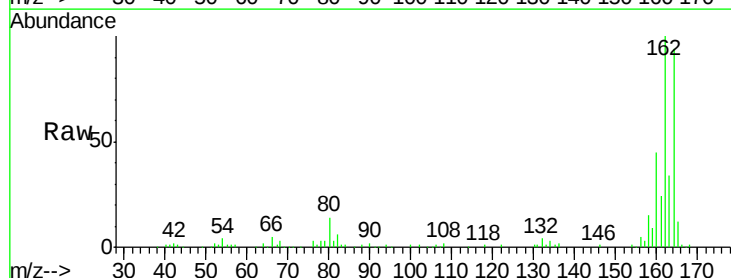


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

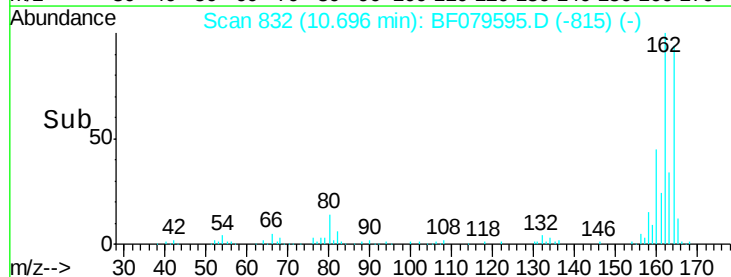
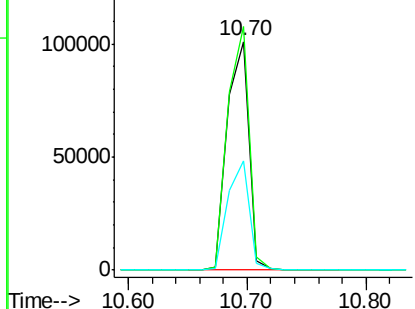


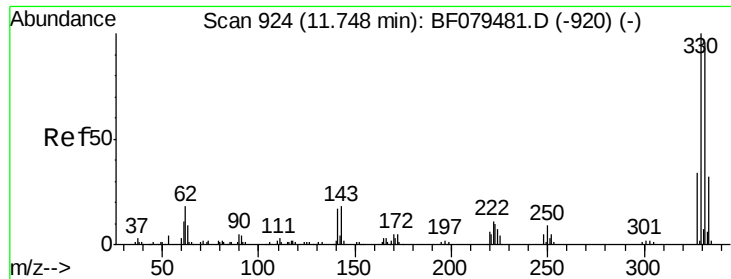
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.70 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF079595.D
 Acq: 30 May 2015 9:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.5	82.6	124.0
160	47.6	37.7	56.5



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

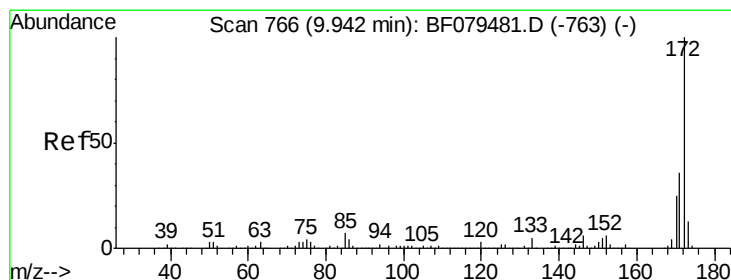
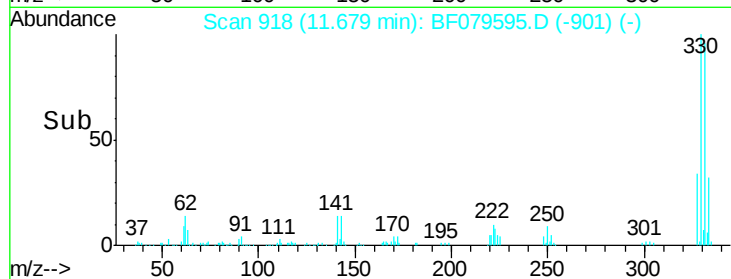
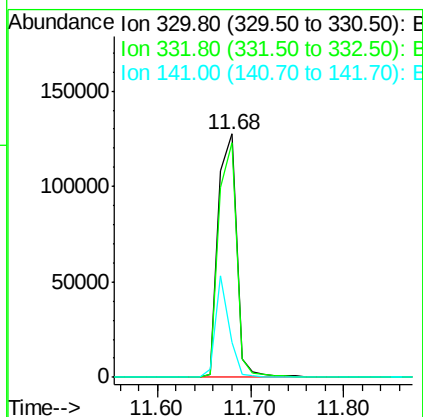
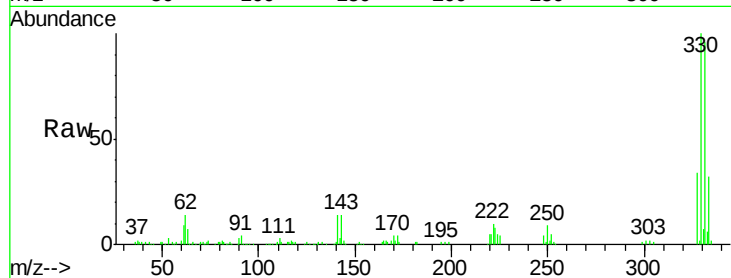




#41
 2,4,6-Tribromophenol
 Concen: 124.62 ng
 RT: 11.68 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: BF079595.D
 Acq: 30 May 2015 9:56

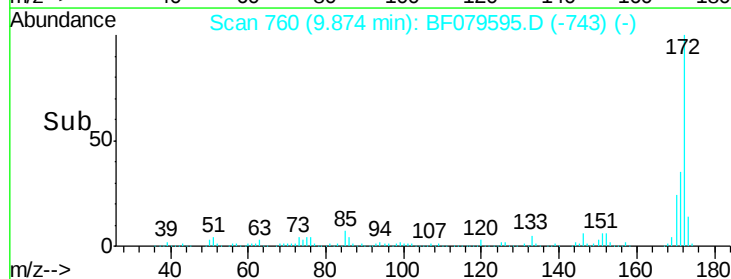
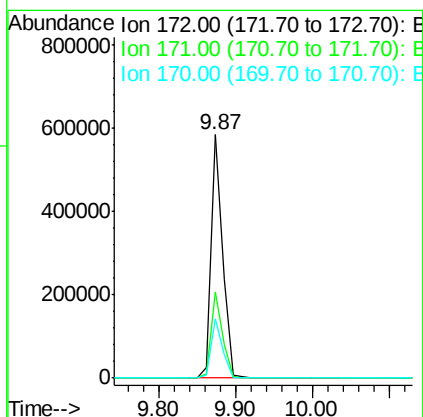
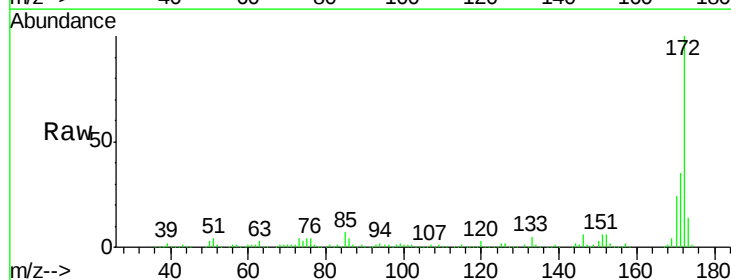
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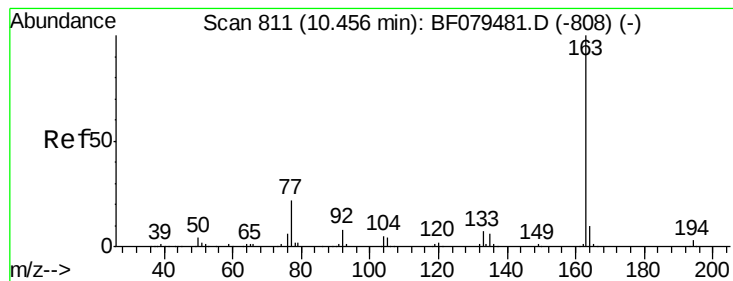
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	0.0	0.0#
141	31.0	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 66.64 ng
 RT: 9.87 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF079595.D
 Acq: 30 May 2015 9:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	24.4	19.7	29.5





#49

Dimethylphthalate

Concen: 12.34 ng

RT: 10.39 min Scan# 805

Delta R.T. -0.02 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

Instrument :

BNA_F

ClientSampleId :

RAMP440NB-TP5.2(3)

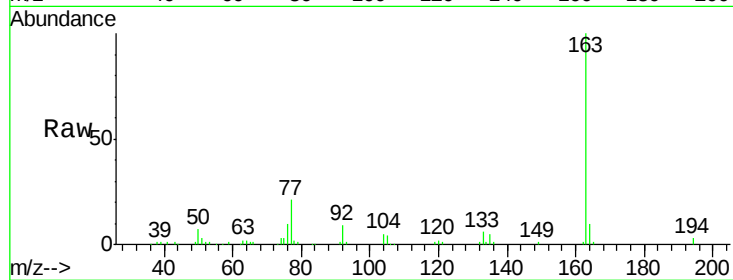
Tgt Ion:163 Resp: 115927

Ion Ratio Lower Upper

163 100

194 3.1 2.4 3.6

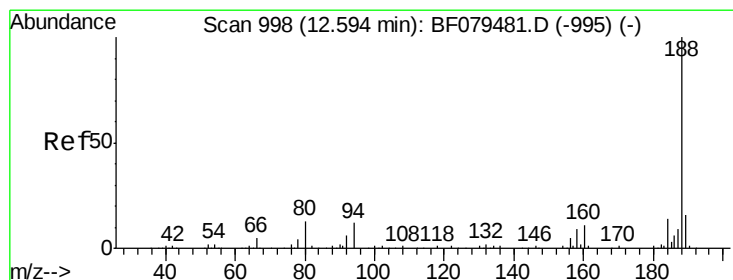
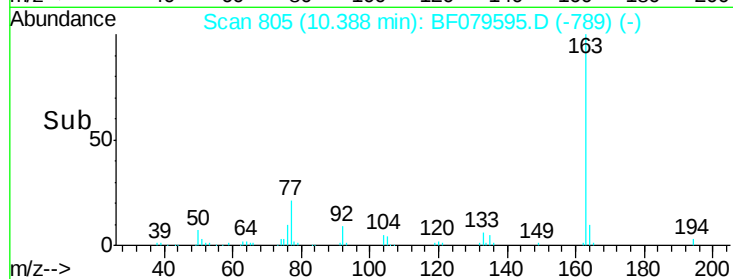
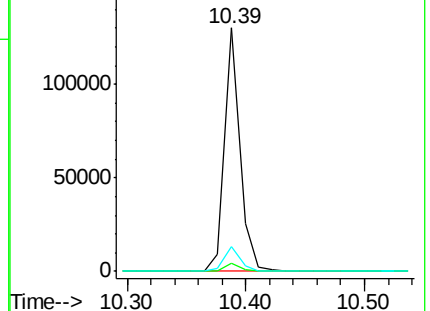
164 10.0 8.2 12.4



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: BF079595.D

Acq: 30 May 2015 9:56

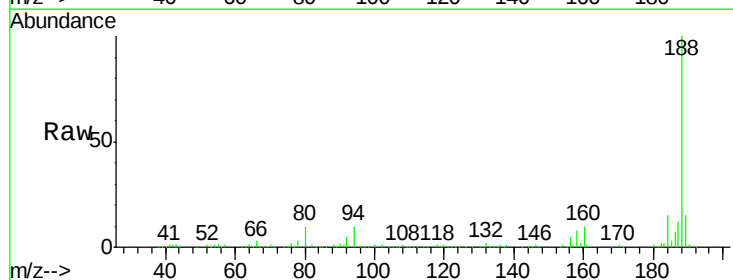
Tgt Ion:188 Resp: 235487

Ion Ratio Lower Upper

188 100

94 9.8 9.8 14.6

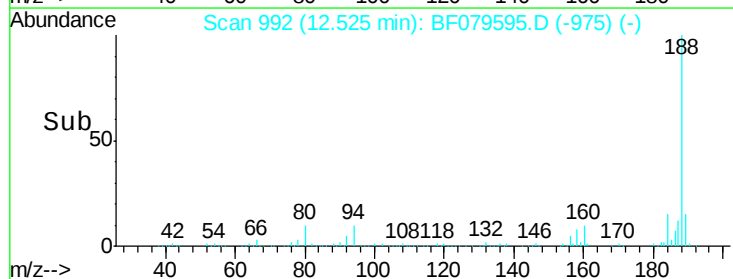
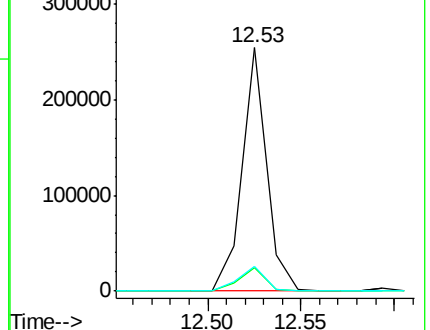
80 10.2 10.5 15.7#

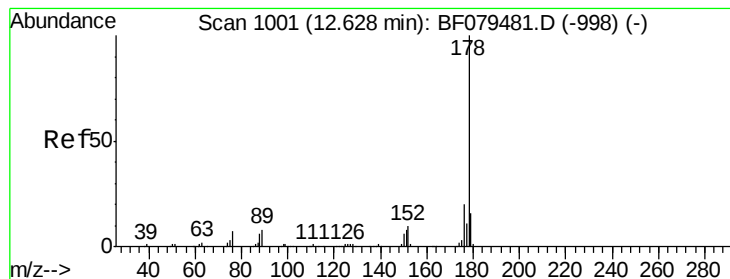


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.88 ng

RT: 12.56 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

Instrument :

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ClientSampleId :

RAMP440NB-TP5.2(3)

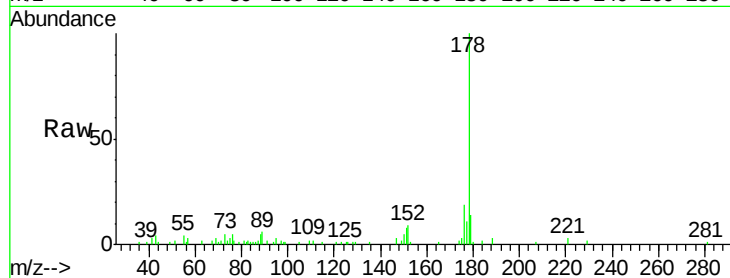
Tgt Ion:178 Resp: 50175

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

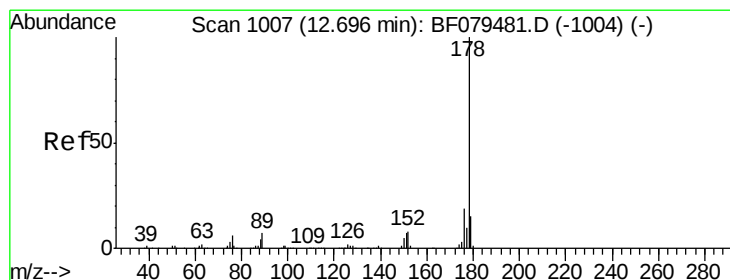
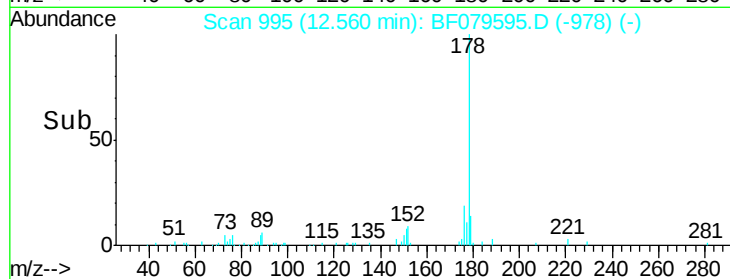
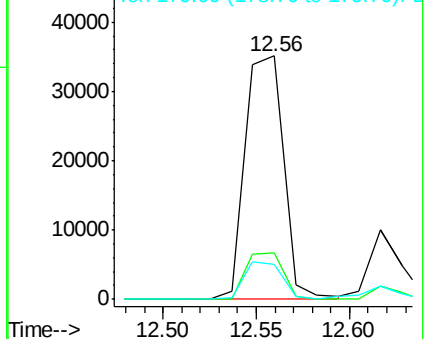
179 14.1 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.83 ng

RT: 12.56 min Scan# 995

Delta R.T. -0.07 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

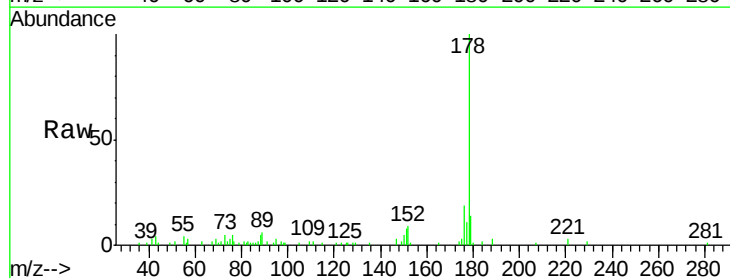
Tgt Ion:178 Resp: 50175

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

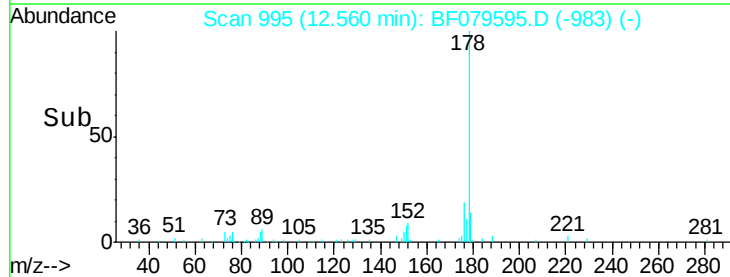
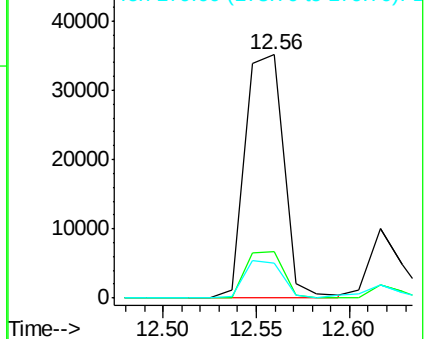
179 14.1 12.2 18.4

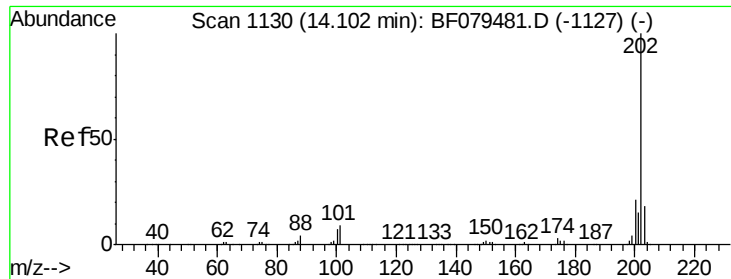


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.16 ng

RT: 14.02 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

Instrument :

BNA_F

ClientSampleId :

RAMP440NB-TP5.2(3)

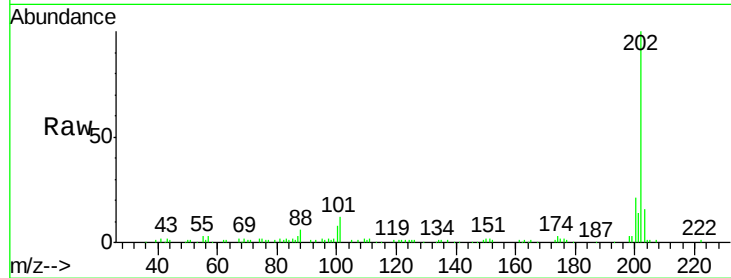
Tgt Ion: 202 Resp: 85380

Ion Ratio Lower Upper

202 100

101 12.2 0.0 29.3

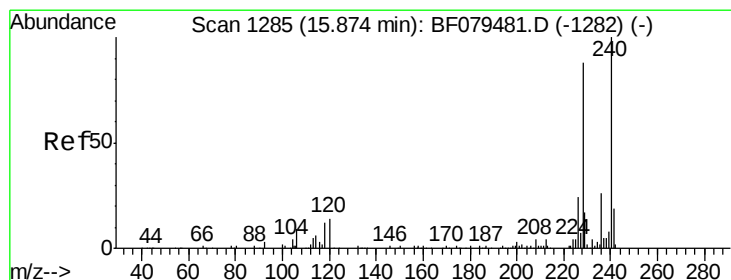
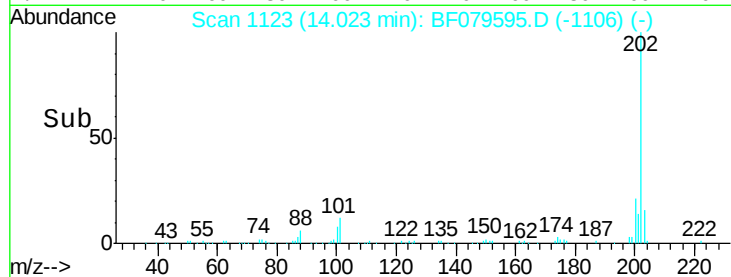
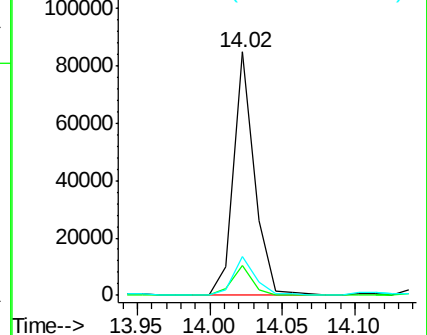
203 16.2 0.0 37.6



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: 15.81 min Scan# 1279

Delta R.T. -0.03 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

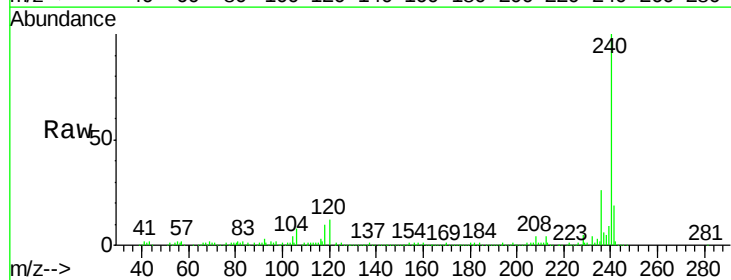
Tgt Ion: 240 Resp: 249759

Ion Ratio Lower Upper

240 100

120 12.2 10.8 16.2

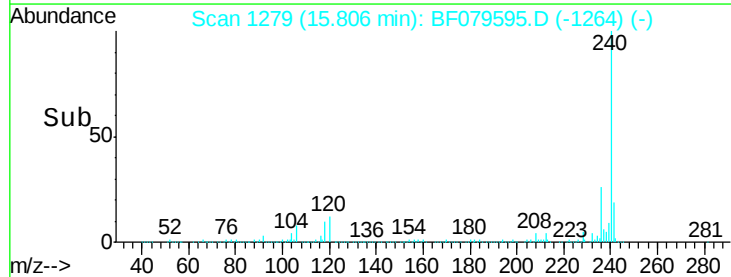
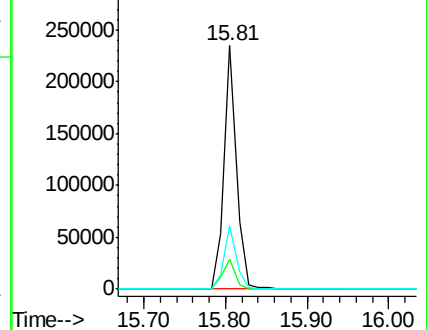
236 26.0 21.0 31.6

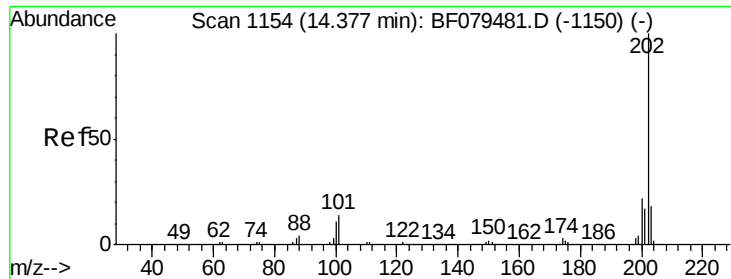


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.78 ng

RT: 14.30 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

Instrument :

BNA_F

ClientSampleId :

RAMP440NB-TP5.2(3)

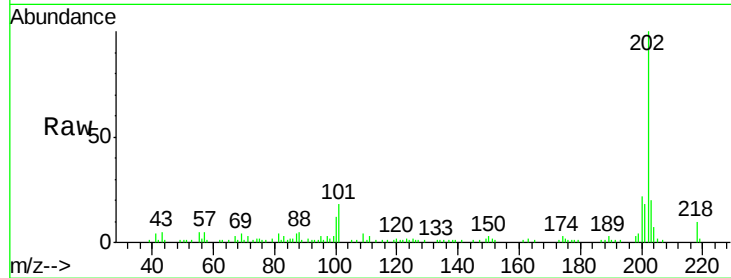
Tgt Ion: 202 Resp: 73903

Ion Ratio Lower Upper

202 100

200 21.5 17.5 26.3

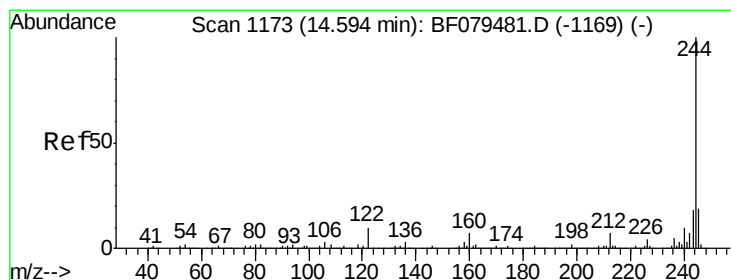
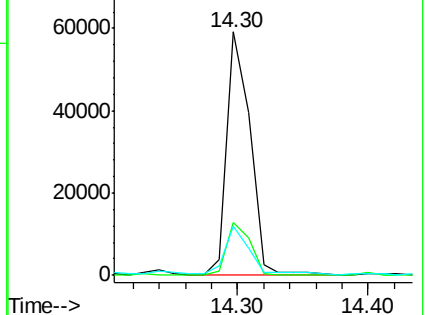
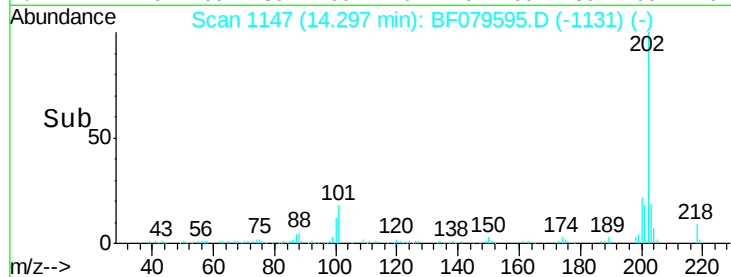
203 20.4 14.4 21.6



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: 59.18 ng

RT: 14.51 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

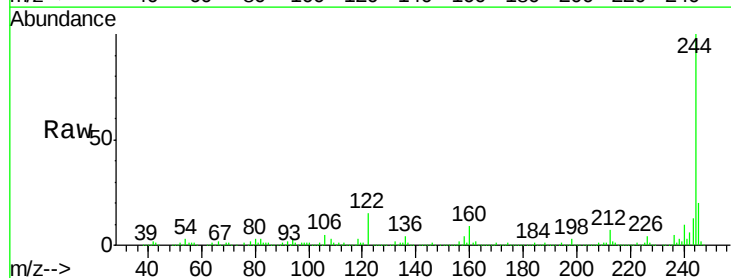
Tgt Ion: 244 Resp: 629820

Ion Ratio Lower Upper

244 100

212 7.1 5.2 7.8

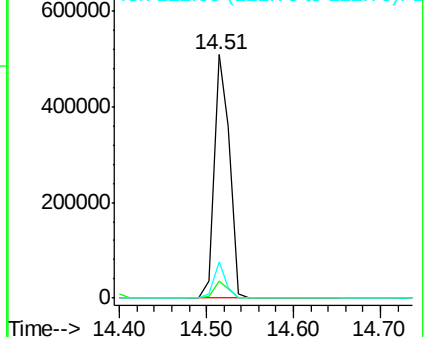
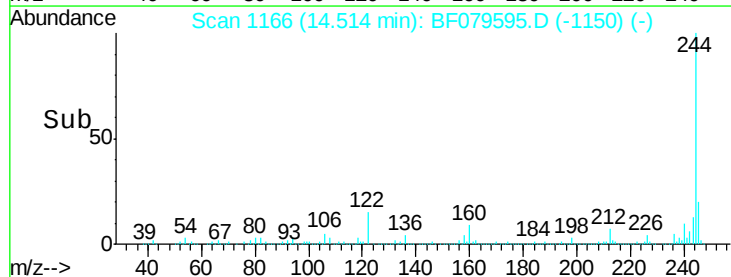
122 15.0 8.0 12.0#

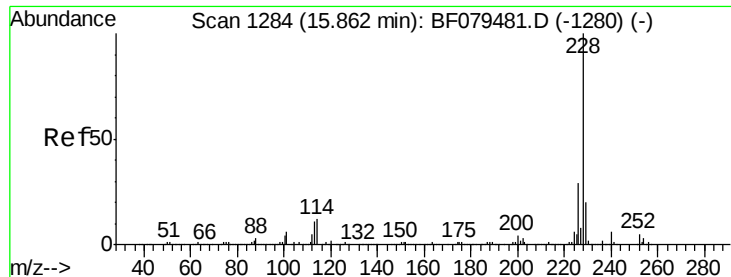


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.23 ng

RT: 15.79 min Scan# 1278

Delta R.T. -0.03 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

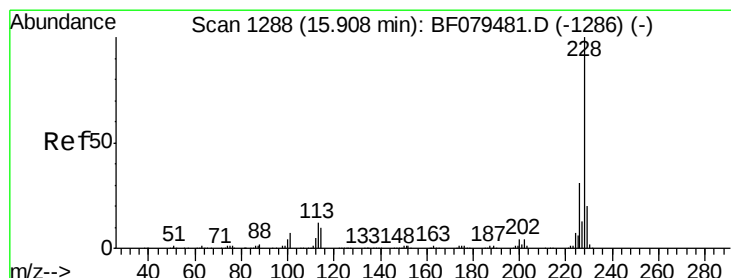
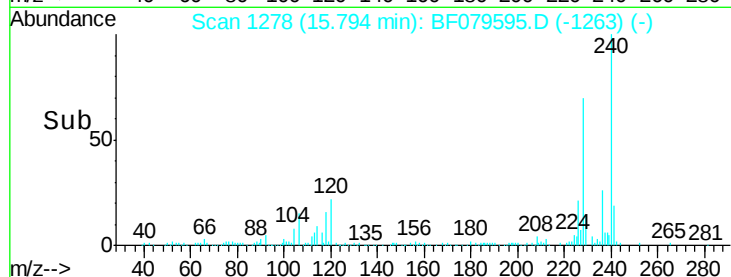
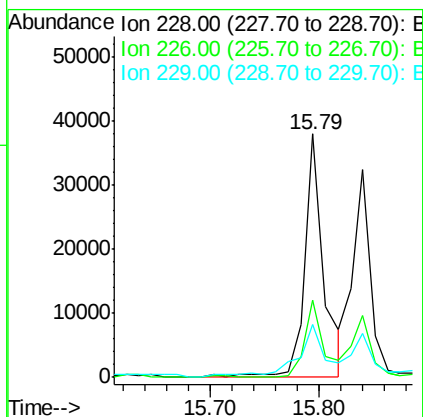
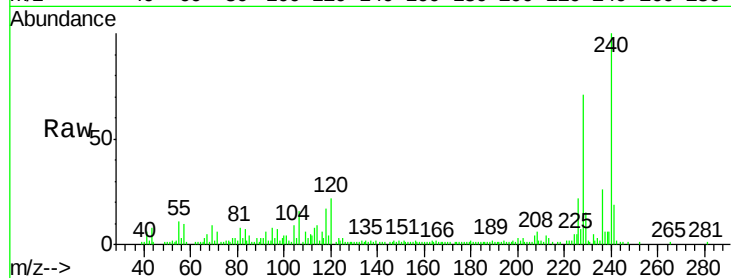
Instrument :

BNA_F

ClientSampleId :

RAMP440NB-TP5.2(3)

Tgt Ion:	228	Resp:	46363
Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.8	34.2
229	21.7	15.9	23.9



#82

Chrysene

Concen: 2.71 ng

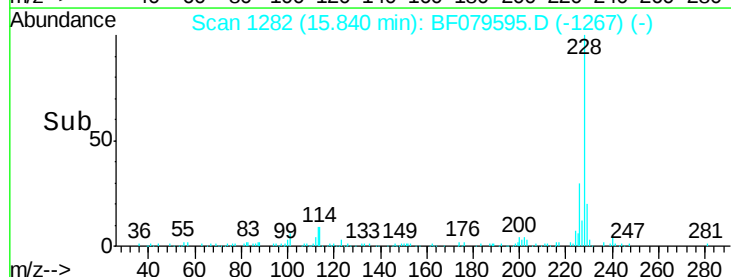
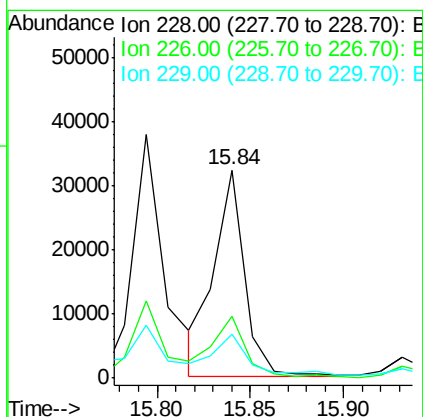
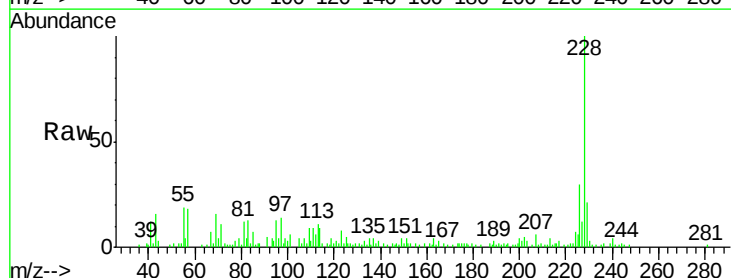
RT: 15.84 min Scan# 1282

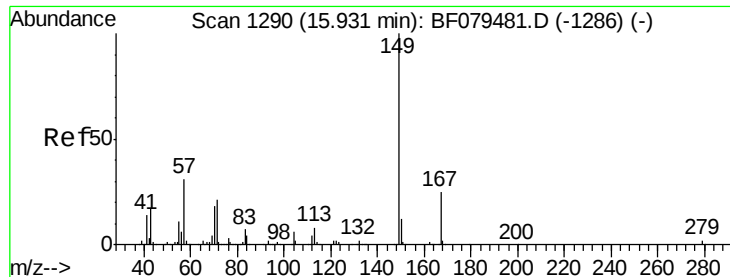
Delta R.T. -0.03 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

Tgt Ion:	228	Resp:	36948
Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.4
229	21.4	15.9	23.9

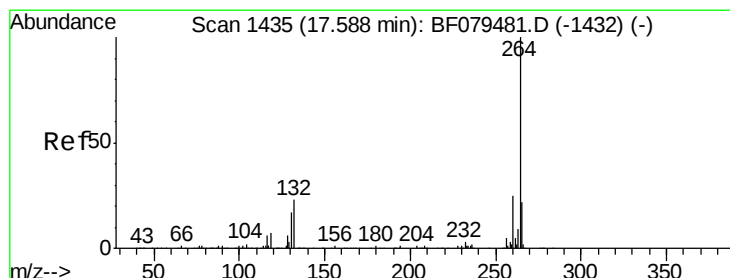
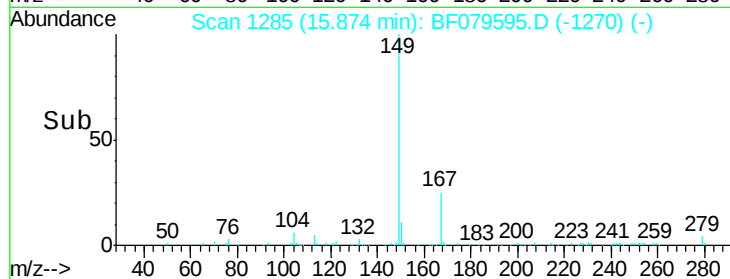
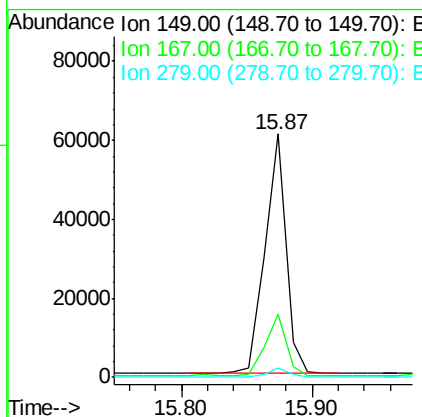
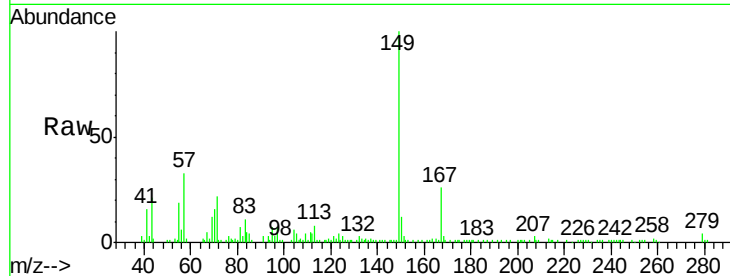




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.92 ng
 RT: 15.87 min Scan# 1285
 Delta R.T. -0.03 min
 Lab File: BF079595.D
 Acq: 30 May 2015 9:56

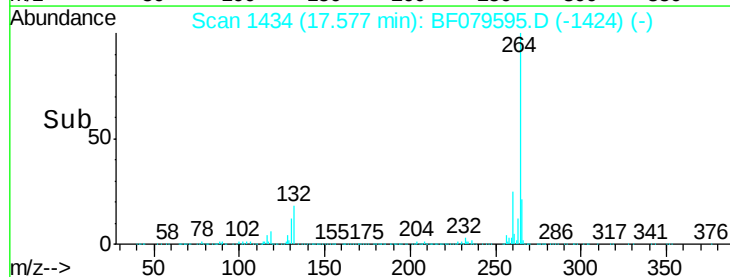
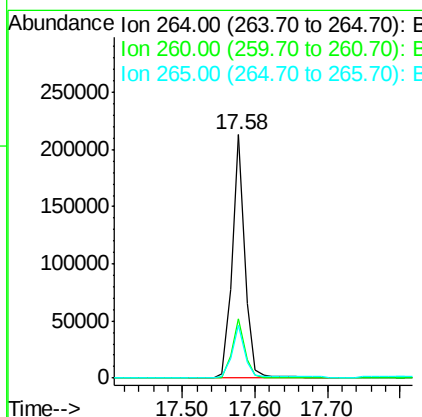
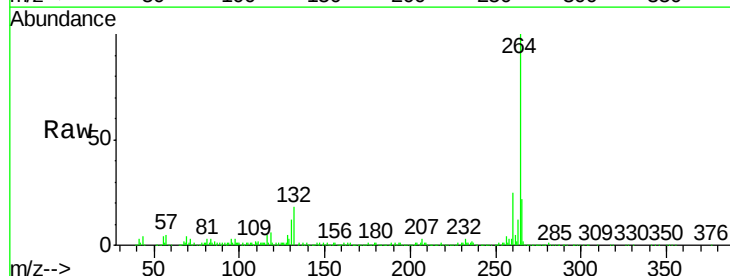
Instrument :
 BNA_F
 ClientSampleId :
 RAMP440NB-TP5.2(3)

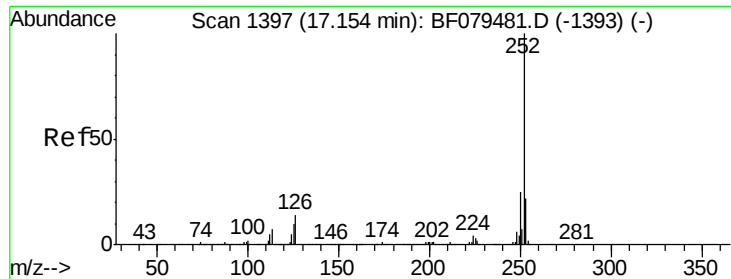
Tgt Ion:149 Resp: 68937
 Ion Ratio Lower Upper
 149 100
 167 26.1 20.2 30.4
 279 3.6 2.0 3.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.58 min Scan# 1434
 Delta R.T. -0.09 min
 Lab File: BF079595.D
 Acq: 30 May 2015 9:56

Tgt Ion:264 Resp: 259934
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.8 29.8
 265 21.7 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 4.65 ng

RT: 17.12 min Scan# 1394

Delta R.T. -0.08 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

Instrument :

BNA_F

ClientSampleId :

RAMP440NB-TP5.2(3)

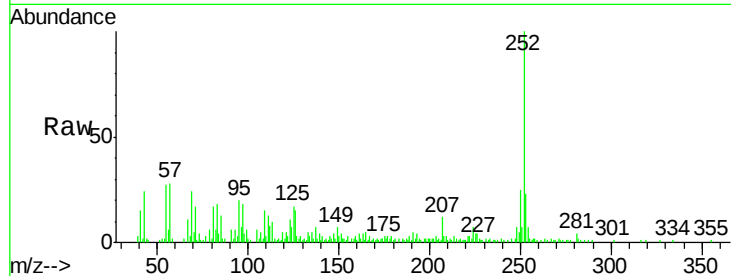
Tgt Ion:252 Resp: 68863

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

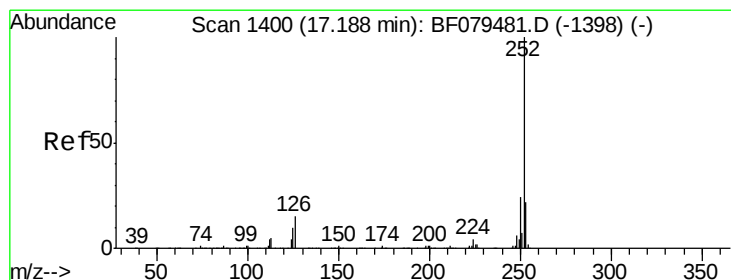
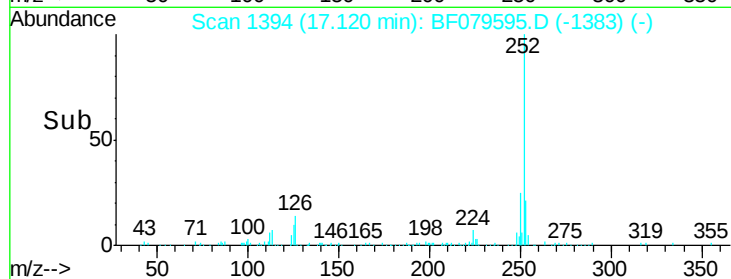
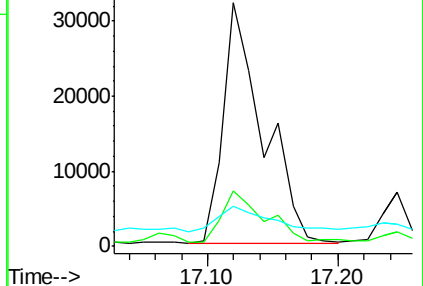
125 16.6 7.8 11.6#



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: 5.19 ng

RT: 17.12 min Scan# 1394

Delta R.T. -0.11 min

Lab File: BF079595.D

Acq: 30 May 2015 9:56

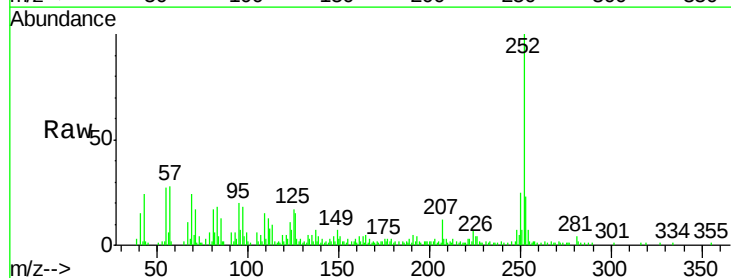
Tgt Ion:252 Resp: 68863

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 16.6 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

