

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079605.D
 Acq On : 30 May 2015 16:17
 Operator : TP/IZ
 Sample : G2416-24
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJBLVD10.1(2)

Quant Time: May 31 05:45:57 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

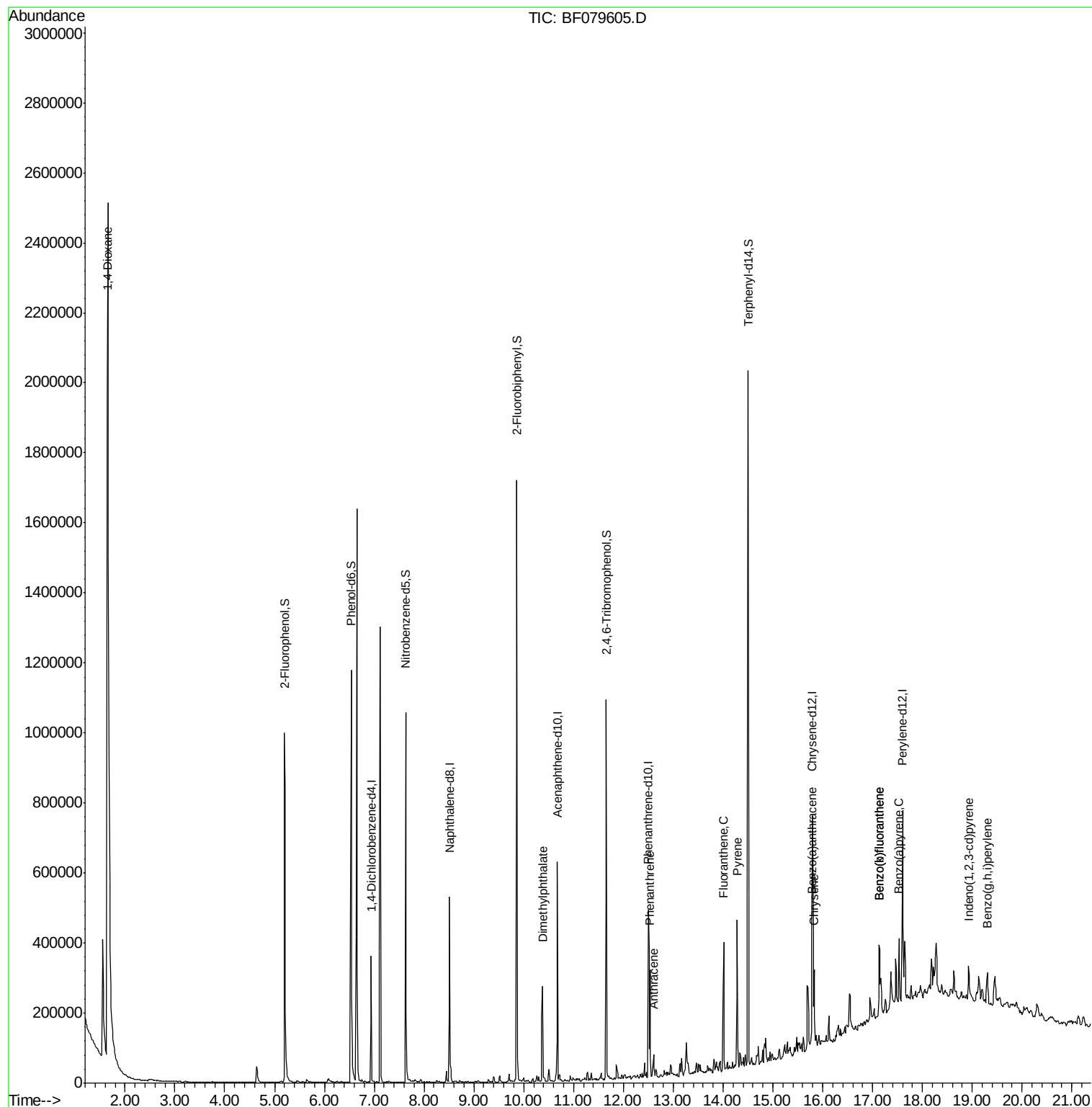
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	66592	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	276717	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	128966	20.00	ng	-0.03
63) Phenanthrene-d10	12.50	188	238202	20.00	ng	-0.03
75) Chrysene-d12	15.79	240	248842	20.00	ng	-0.05
86) Perylene-d12	17.60	264	267561	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	463586	120.75	ng	-0.03
7) Phenol-d6	6.54	99	590743	120.72	ng	-0.02
23) Nitrobenzene-d5	7.63	82	338775	70.77	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	167086	117.95	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	669069	74.02	ng	-0.02
78) Terphenyl-d14	14.50	244	708815	66.85	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.66	88	146720	80.33	ng	# 100
9) Benzaldehyde	6.41	77	206	Below Cal		# 1
49) Dimethylphthalate	10.38	163	150370	15.82	ng	# 98
70) Phenanthrene	12.54	178	122071	9.34	ng	99
71) Anthracene	12.61	178	31350	2.36	ng	99
73) Di-n-butylphthalate	13.28	149	4332	Below Cal		# 84
74) Fluoranthene	14.01	202	194399	13.87	ng	99
77) Pyrene	14.29	202	182312	11.83	ng	99
80) Benzo(a)anthracene	15.78	228	112476	7.86	ng	97
82) Chrysene	15.83	228	94629	6.95	ng	98
85) Indeno(1,2,3-cd)pyrene	18.93	276	66878	3.82	ng	95
87) Benzo(b)fluoranthene	17.13	252	185006	12.12	ng	# 96
88) Benzo(k)fluoranthene	17.13	252	185006	13.56	ng	# 95
89) Benzo(a)pyrene	17.53	252	99839	5.78	ng	# 96
91) Benzo(g,h,i)perylene	19.30	276	71581	2.22	ng	94

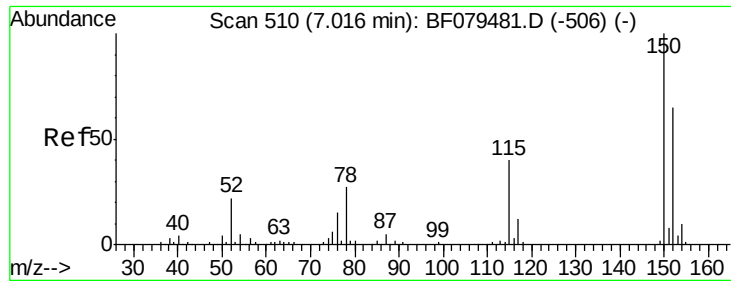
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 503

Delta R.T. -0.02 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

Instrument :

BNA_F

ClientSampleId :

PJBLVD10.1(2)

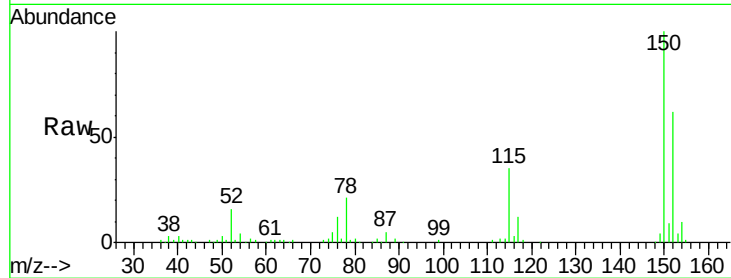
Tgt Ion:152 Resp: 66592

Ion Ratio Lower Upper

152 100

150 160.4 124.0 186.0

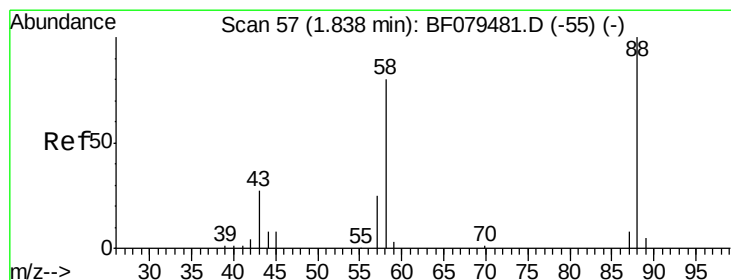
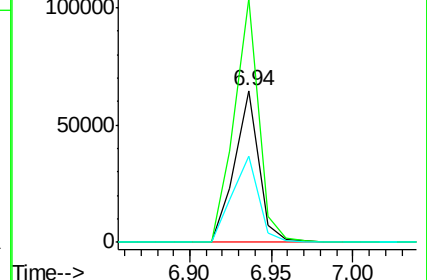
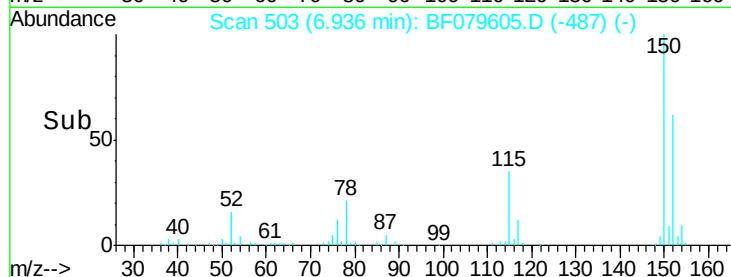
115 56.5 49.6 74.4



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: 80.33 ng

RT: 1.66 min Scan# 41

Delta R.T. -0.11 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

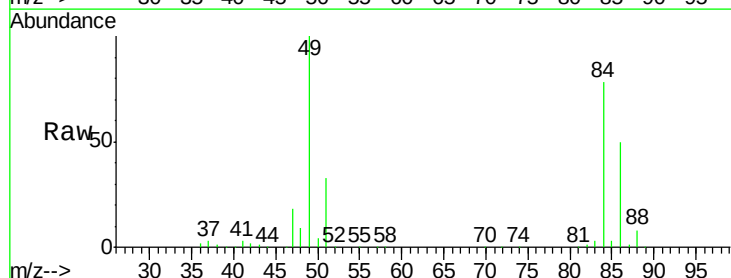
Tgt Ion: 88 Resp: 146720

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

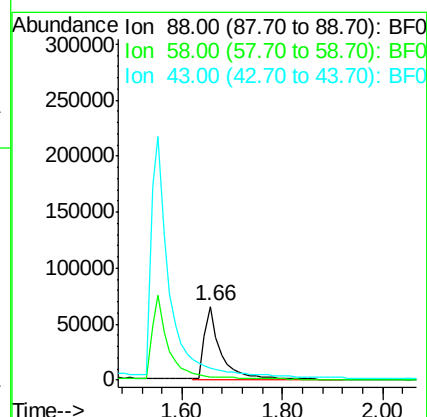
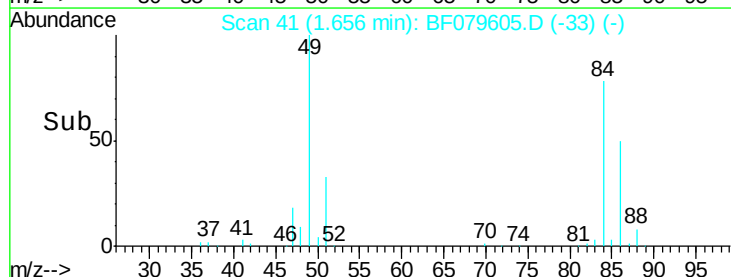
43 0.0 0.0 0.0

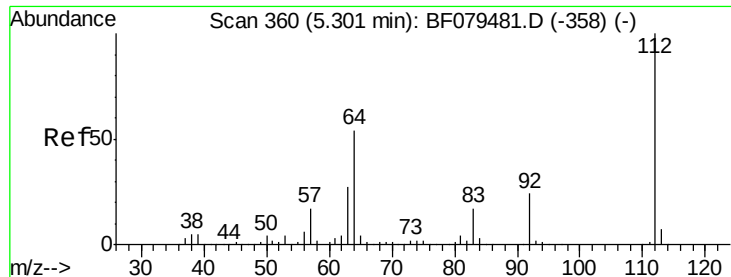


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 120.75 ng

RT: 5.20 min Scan# 351

Delta R.T. -0.03 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

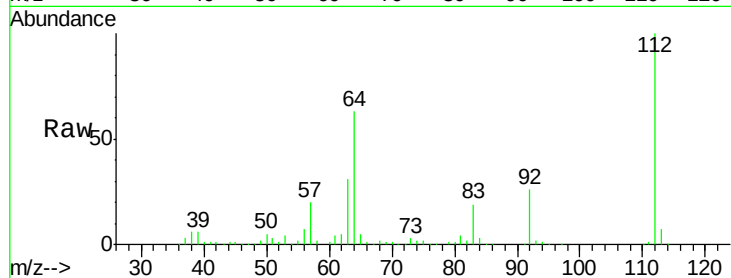
Instrument :

BNA_F

ClientSampleId :

PJBLVD10.1(2)

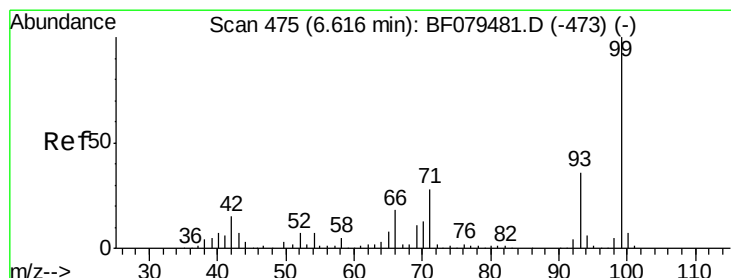
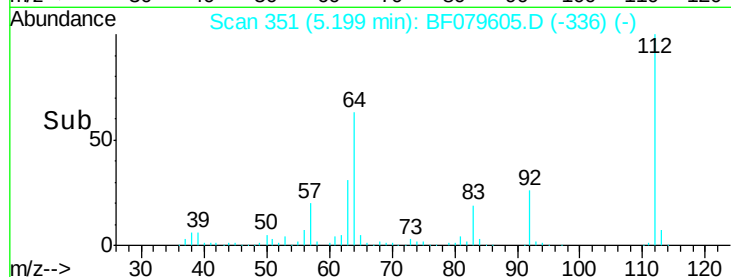
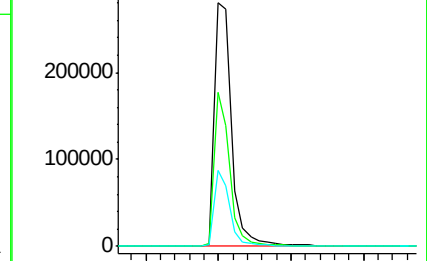
Tgt Ion:	112	Resp:	463586
Ion	Ratio	Lower	Upper
112	100		
64	63.4	43.5	65.3
63	31.4	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 120.72 ng

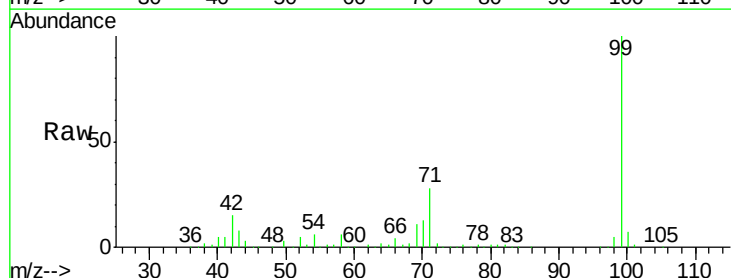
RT: 6.54 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

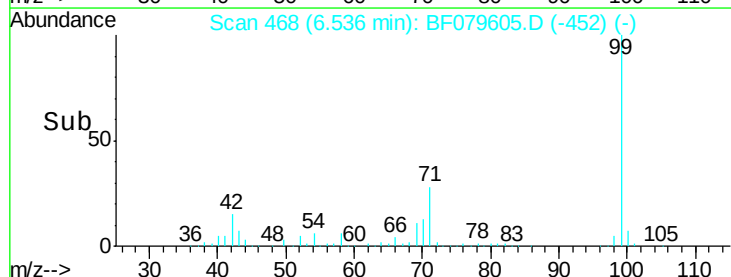
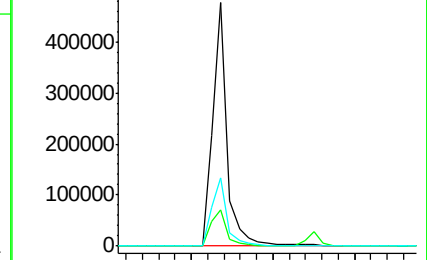
Tgt Ion:	99	Resp:	590743
Ion	Ratio	Lower	Upper
99	100		
42	14.8	11.9	17.9
71	28.3	22.1	33.1

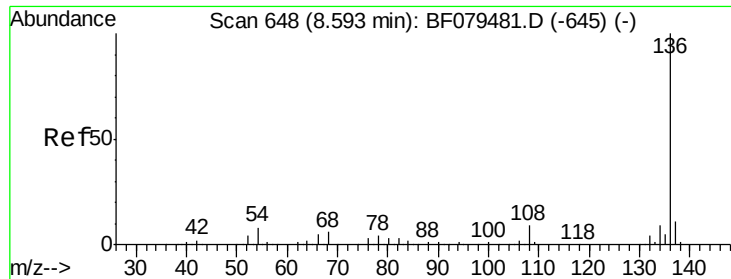


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

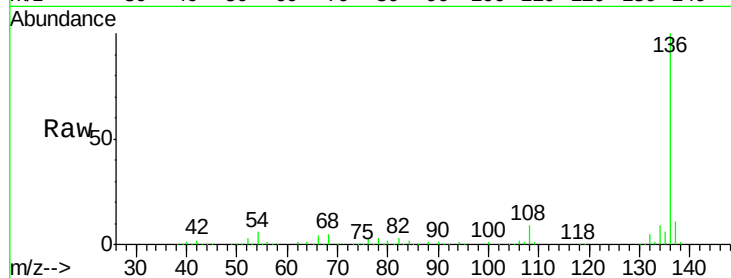




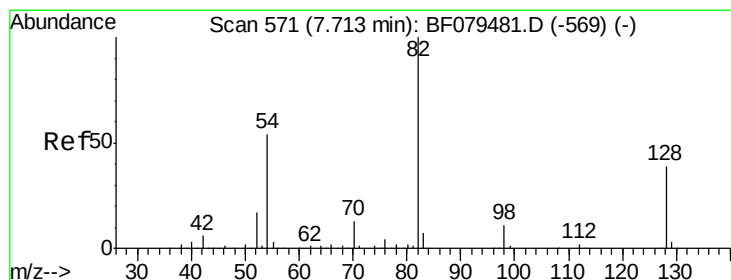
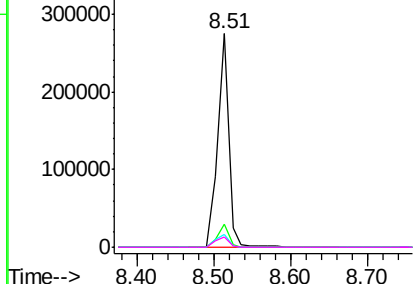
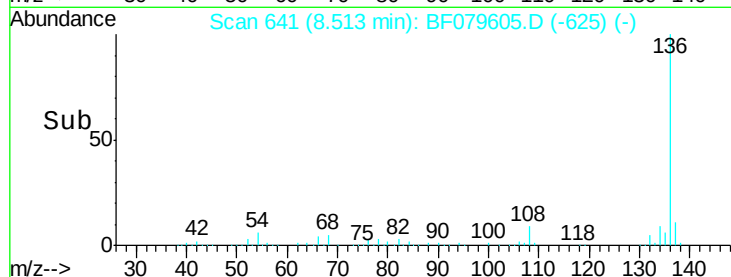
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF079605.D
Acq: 30 May 2015 16:17

Instrument :
BNA_F
ClientSampleId :
PJBLVD10.1(2)

Tgt Ion:	136	Resp:	276717
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.2	6.6	9.8#
68	5.1	4.7	7.1

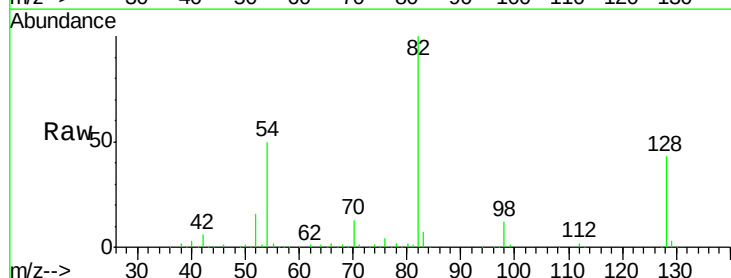


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

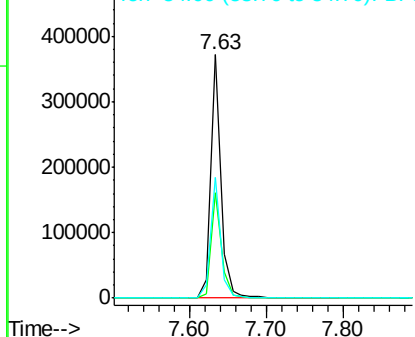
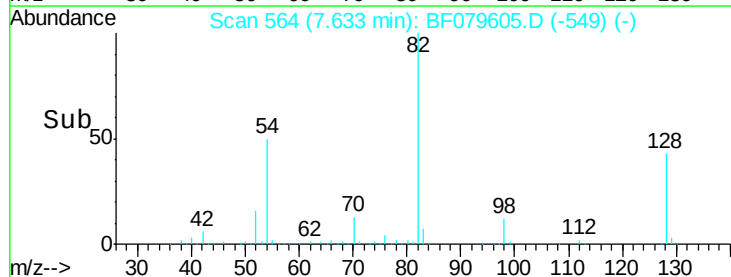


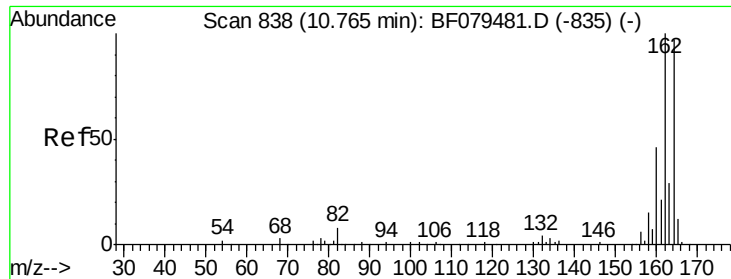
#23
Nitrobenzene-d5
Concen: 70.77 ng
RT: 7.63 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF079605.D
Acq: 30 May 2015 16:17

Tgt Ion:	82	Resp:	338775
Ion	Ratio	Lower	Upper
82	100		
128	43.3	30.8	46.2
54	49.7	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

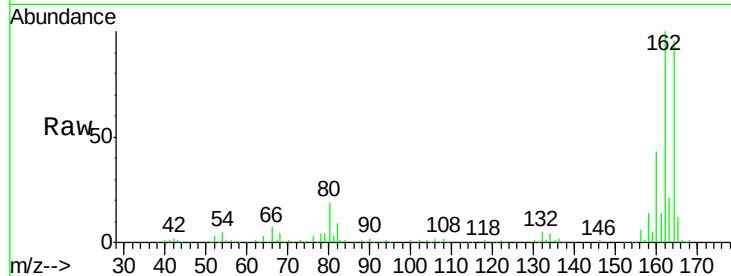




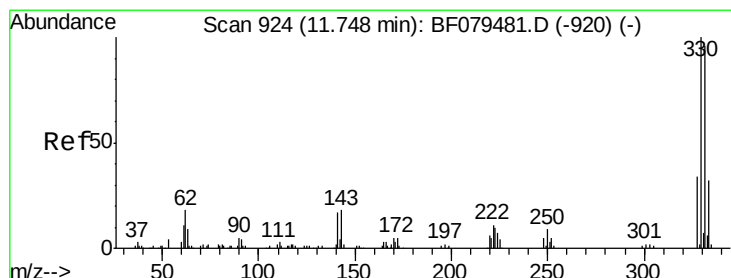
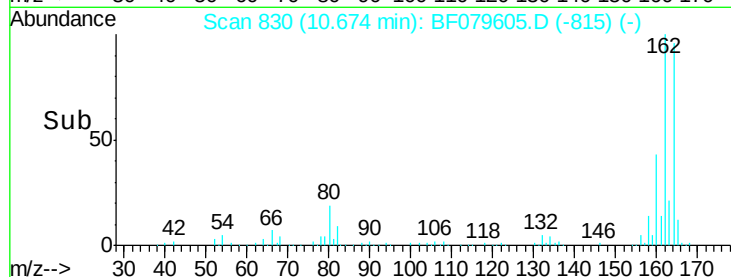
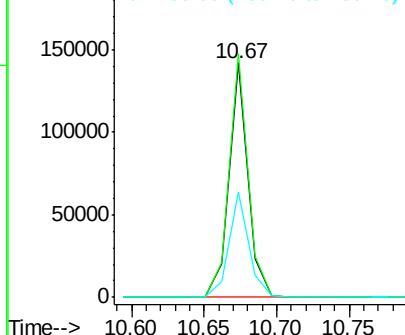
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF079605.D
 Acq: 30 May 2015 16:17

Instrument :
 BNA_F
 ClientSampleId :
 PJBULD10.1(2)

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.6	124.0
160	45.1	37.7	56.5

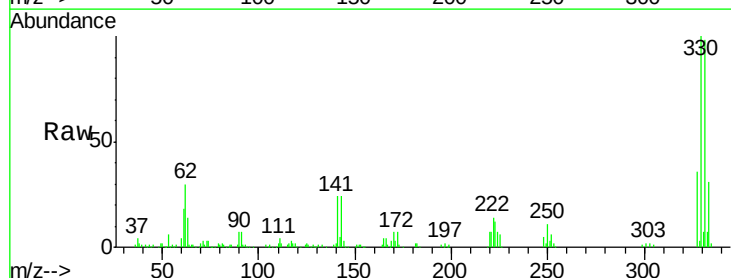


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

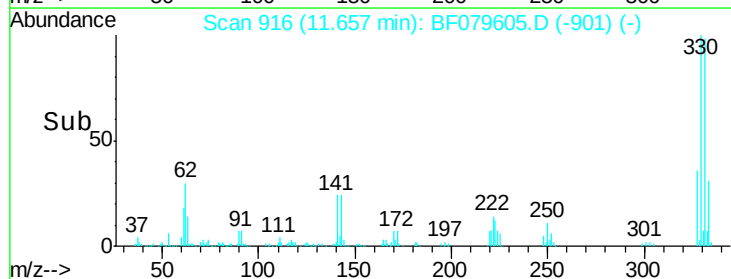
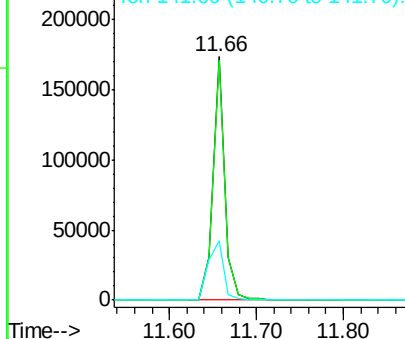


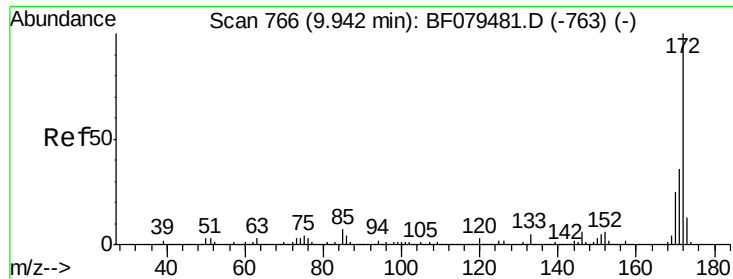
#41
 2,4,6-Tribromophenol
 Concen: 117.95 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF079605.D
 Acq: 30 May 2015 16:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	0.0	0.0#
141	31.8	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

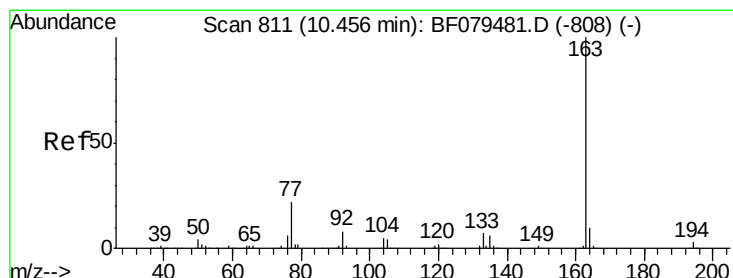
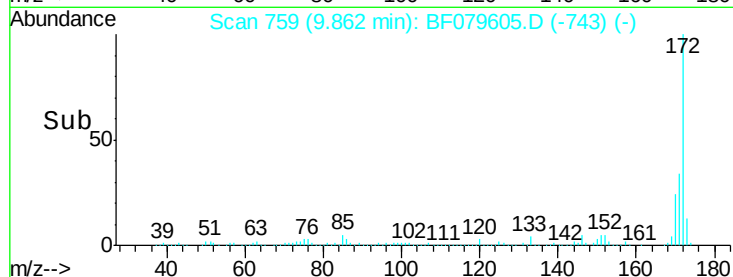
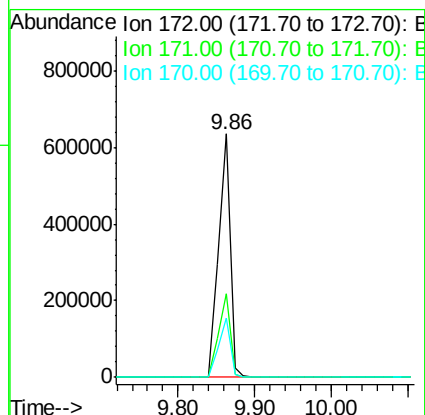
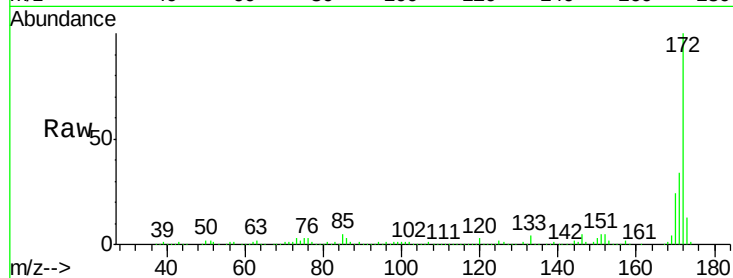




#44
 2-Fluorobiphenyl
 Concen: 74.02 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079605.D
 Acq: 30 May 2015 16:17

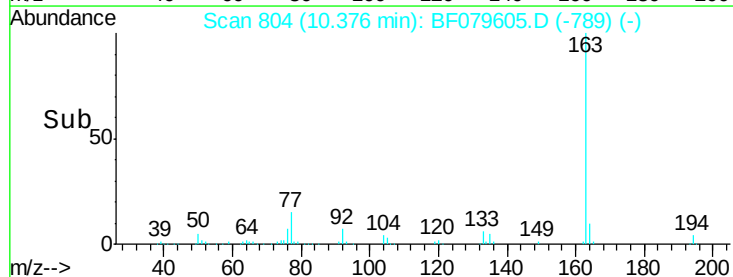
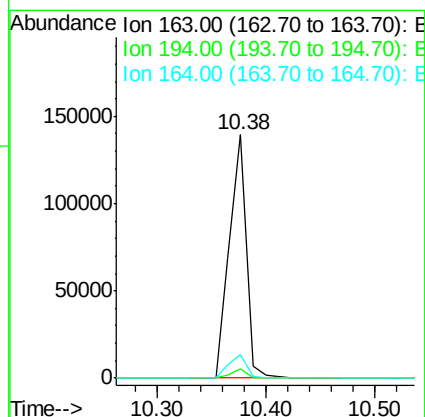
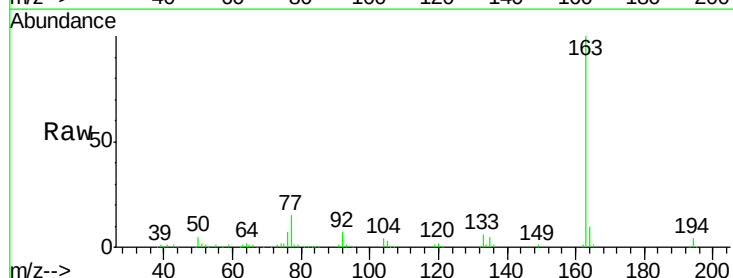
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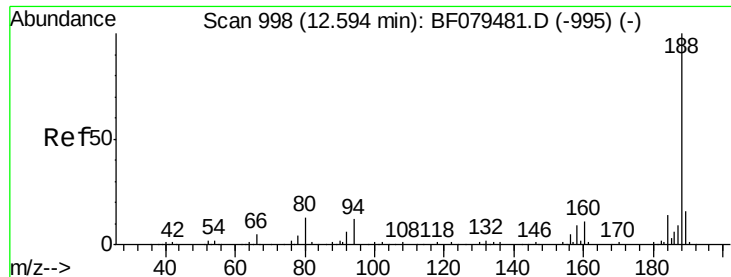
Tgt Ion:172 Resp: 669069
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.5 42.7
 170 24.2 19.7 29.5



#49
 Dimethylphthalate
 Concen: 15.82 ng
 RT: 10.38 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF079605.D
 Acq: 30 May 2015 16:17

Tgt Ion:163 Resp: 150370
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.4 3.6#
 164 9.8 8.2 12.4

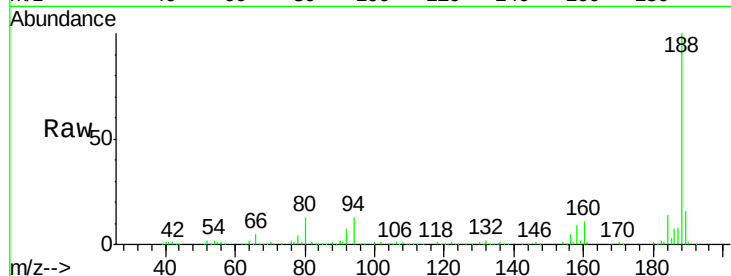




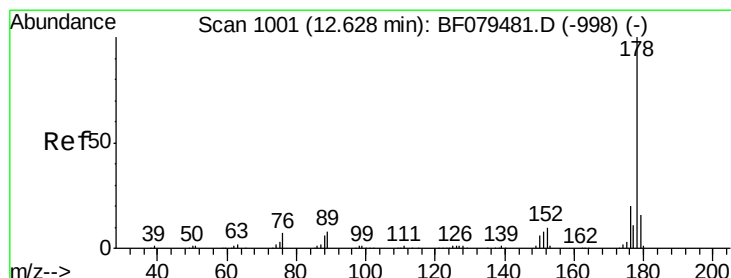
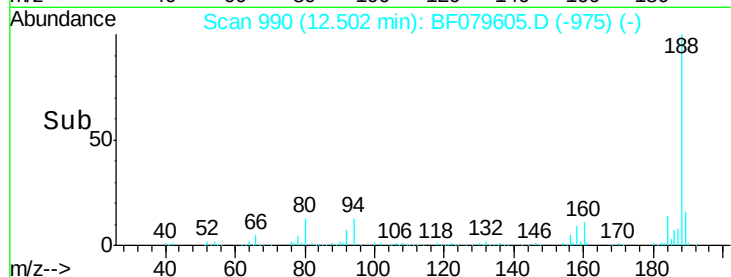
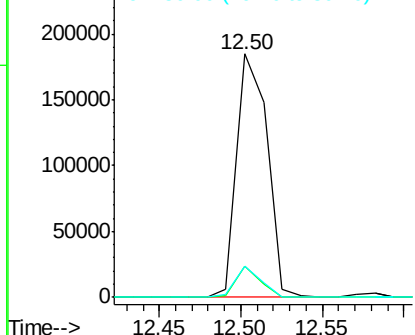
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.50 min Scan# 990
Delta R.T. -0.03 min
Lab File: BF079605.D
Acq: 30 May 2015 16:17

Instrument :
BNA_F
ClientSampleId :
PJBLVD10.1(2)

Tgt Ion:188 Resp: 238202
Ion Ratio Lower Upper
188 100
94 13.0 9.8 14.6
80 12.7 10.5 15.7

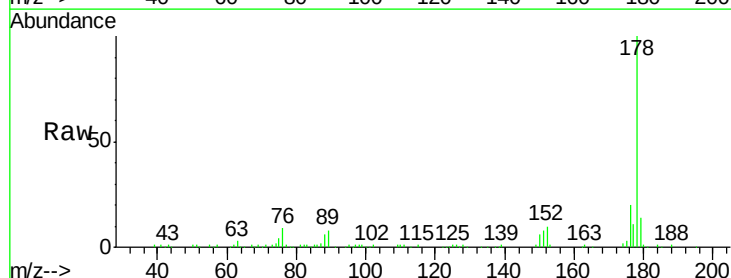


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

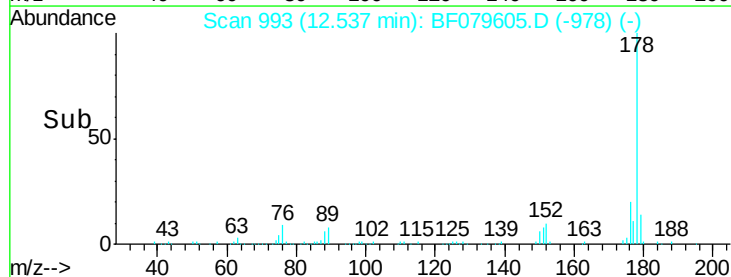
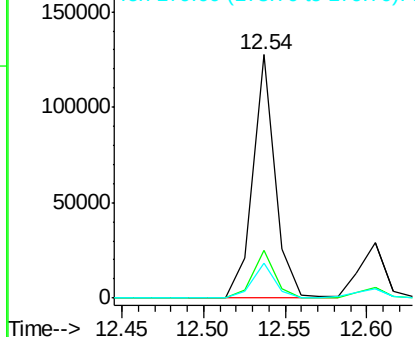


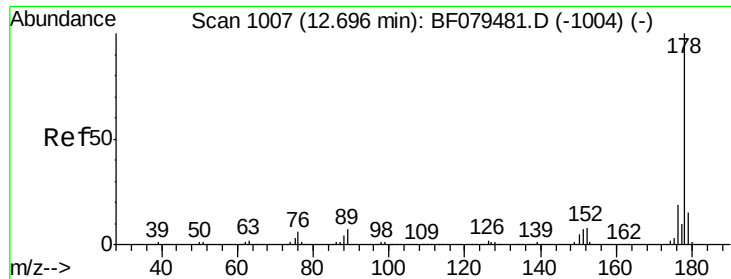
#70
Phenanthrene
Concen: 9.34 ng
RT: 12.54 min Scan# 993
Delta R.T. -0.03 min
Lab File: BF079605.D
Acq: 30 May 2015 16:17

Tgt Ion:178 Resp: 122071
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 14.4 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

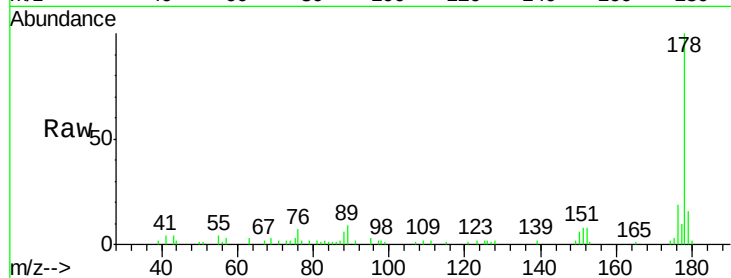




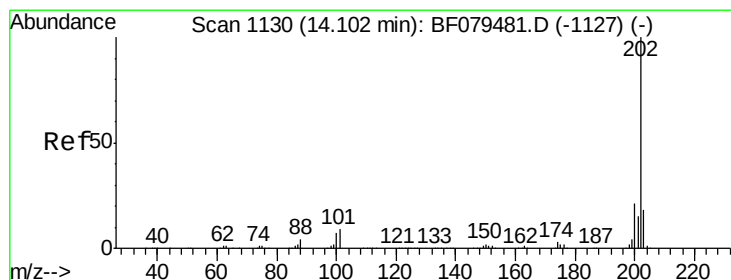
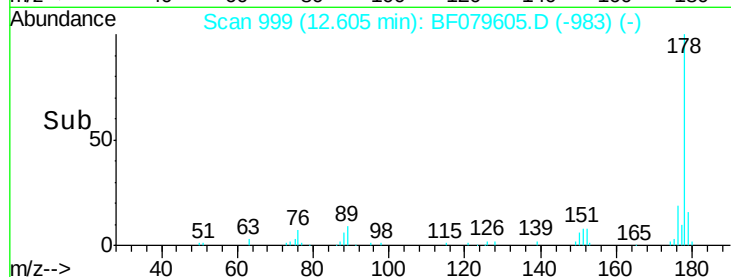
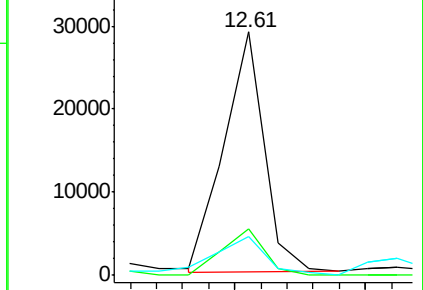
#71
 Anthracene
 Concen: 2.36 ng
 RT: 12.61 min Scan# 999
 Delta R.T. -0.02 min
 Lab File: BF079605.D
 Acq: 30 May 2015 16:17

Instrument :
 BNA_F
 ClientSampleId :
 PJB�VD10.1(2)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	16.2	12.2	18.4

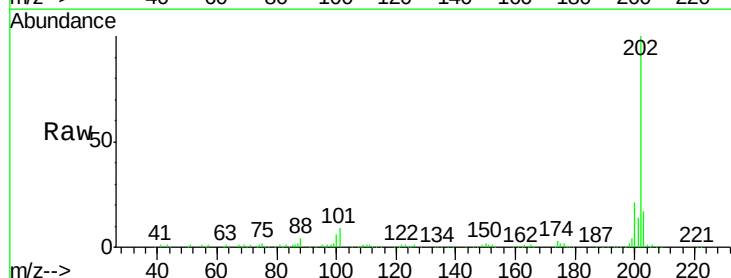


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

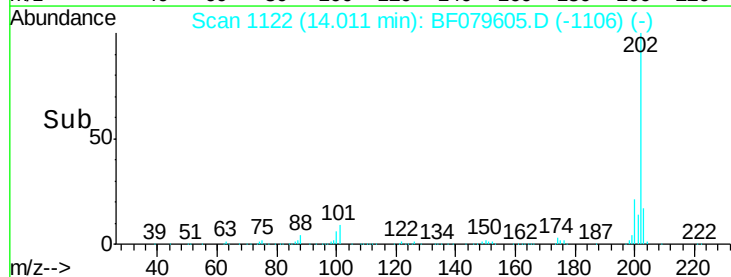
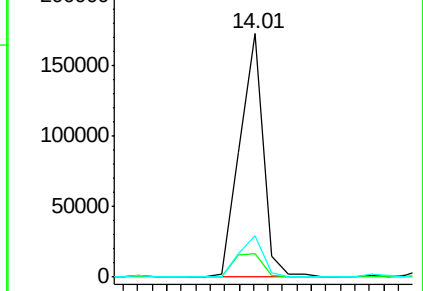


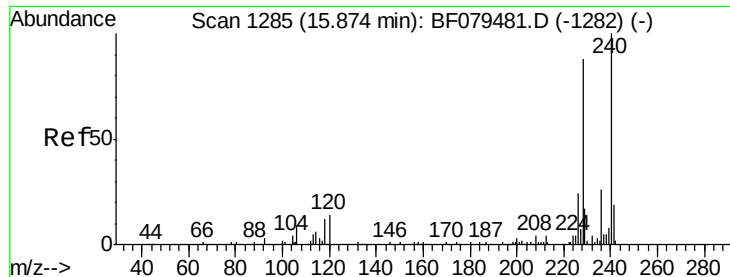
#74
 Fluoranthene
 Concen: 13.87 ng
 RT: 14.01 min Scan# 1122
 Delta R.T. -0.02 min
 Lab File: BF079605.D
 Acq: 30 May 2015 16:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.3
203	17.0	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: 15.79 min Scan# 1278

Delta R.T. -0.05 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

Instrument :

BNA_F

ClientSampleId :

PJBLVD10.1(2)

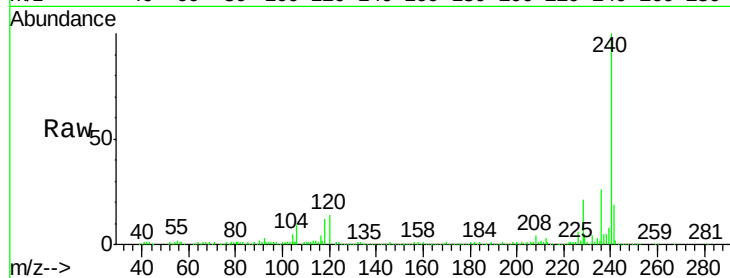
Tgt Ion:240 Resp: 248842

Ion Ratio Lower Upper

240 100

120 14.2 10.8 16.2

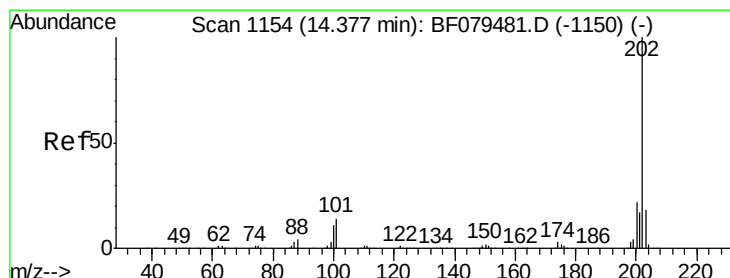
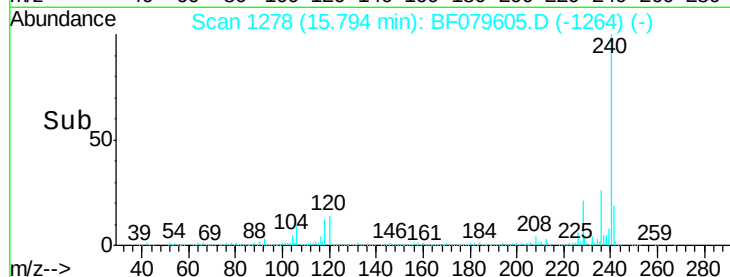
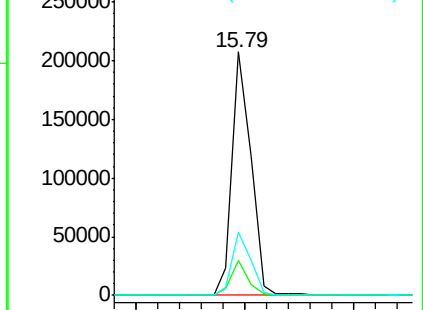
236 26.0 21.0 31.6



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: 11.83 ng

RT: 14.29 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

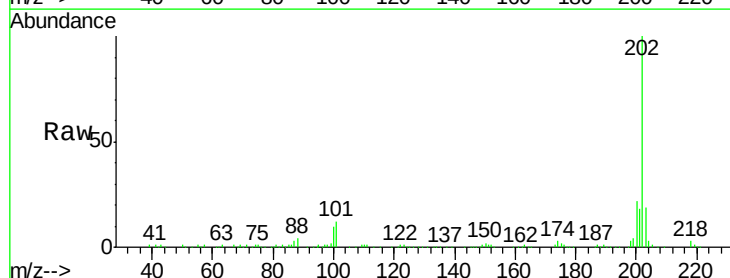
Tgt Ion:202 Resp: 182312

Ion Ratio Lower Upper

202 100

200 22.0 17.5 26.3

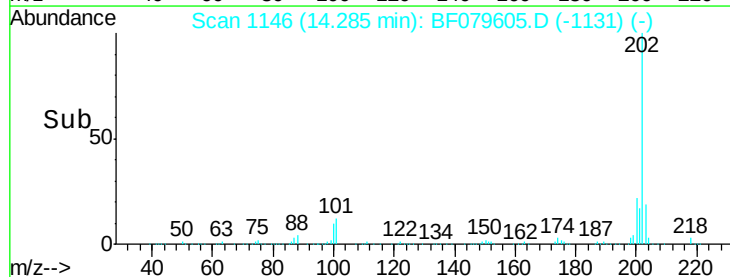
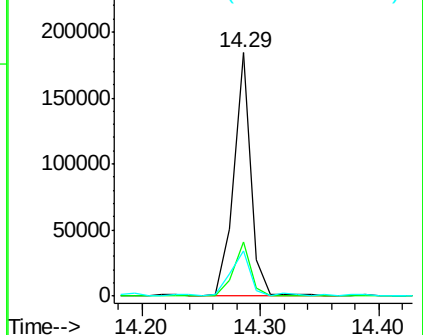
203 18.7 14.4 21.6

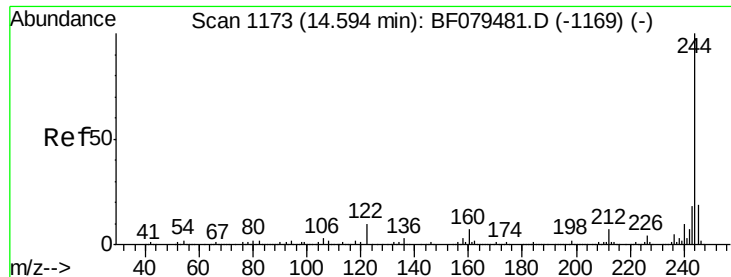


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

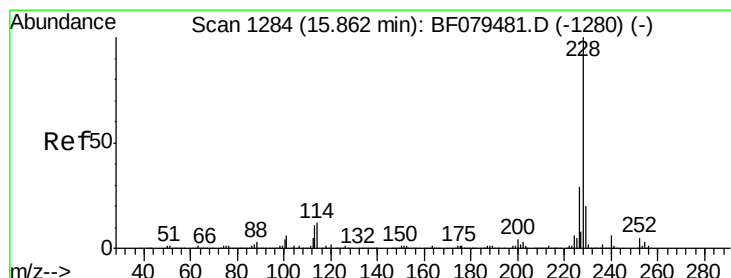
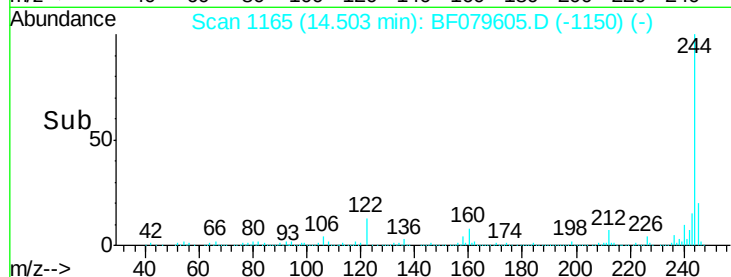
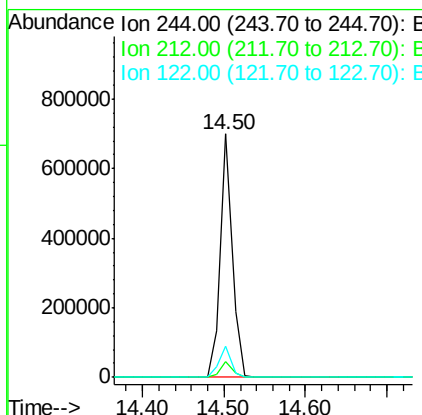
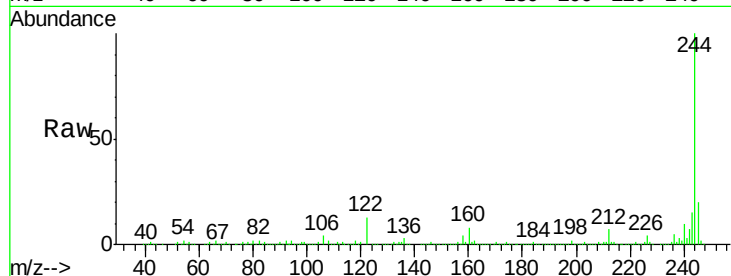




#78
 Terphenyl-d14
 Concen: 66.85 ng
 RT: 14.50 min Scan# 1165
 Delta R.T. -0.03 min
 Lab File: BF079605.D
 Acq: 30 May 2015 16:17

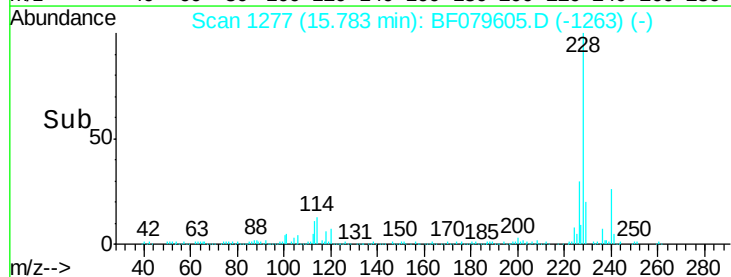
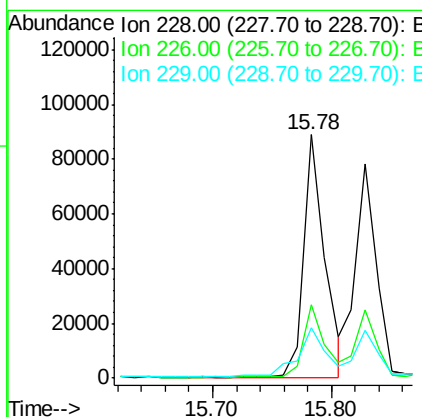
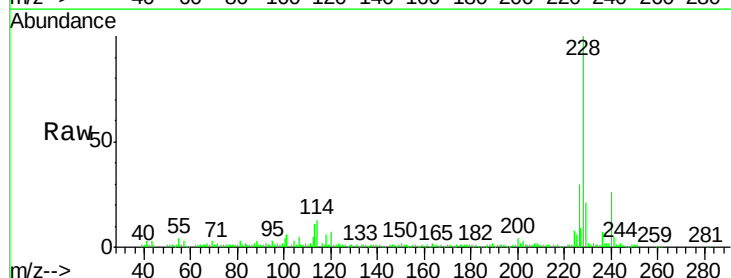
Instrument :
 BNA_F
 ClientSampleId :
 PJB�VD10.1(2)

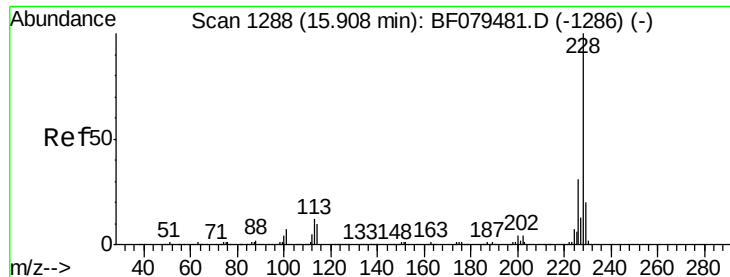
Tgt Ion:244 Resp: 708815
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 13.0 8.0 12.0#



#80
 Benzo(a)anthracene
 Concen: 7.86 ng
 RT: 15.78 min Scan# 1277
 Delta R.T. -0.05 min
 Lab File: BF079605.D
 Acq: 30 May 2015 16:17

Tgt Ion:228 Resp: 112476
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.8 34.2
 229 20.7 15.9 23.9





#82

Chrysene

Concen: 6.95 ng

RT: 15.83 min Scan# 1281

Delta R.T. -0.05 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

Instrument :

BNA_F

ClientSampleId :

PJBLVD10.1(2)

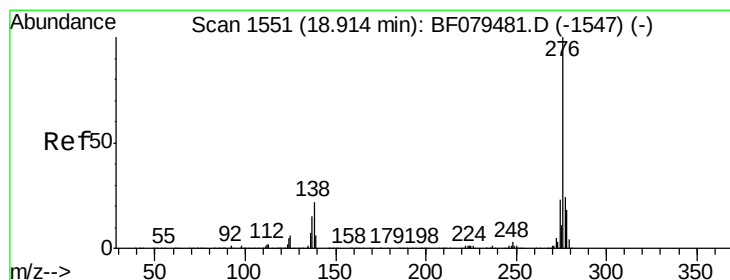
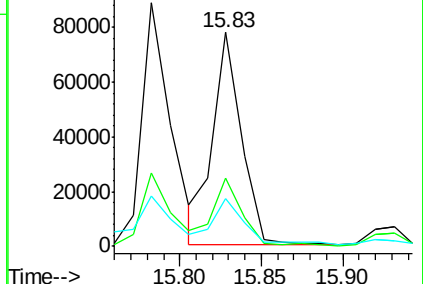
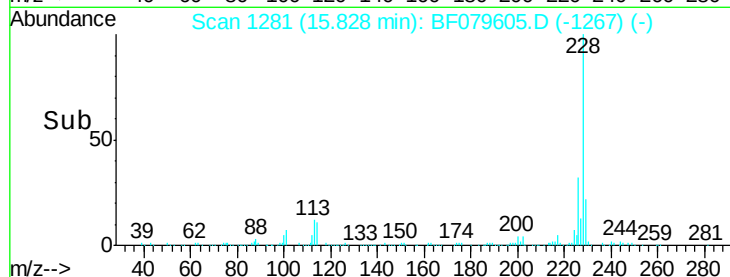
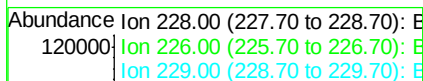
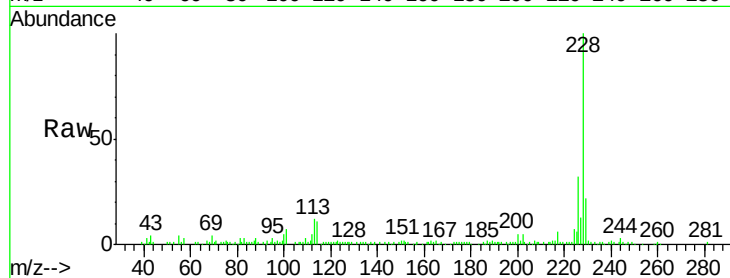
Tgt Ion:228 Resp: 94629

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.4

229 22.1 15.9 23.9



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.82 ng

RT: 18.93 min Scan# 1552

Delta R.T. -0.09 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

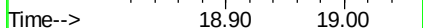
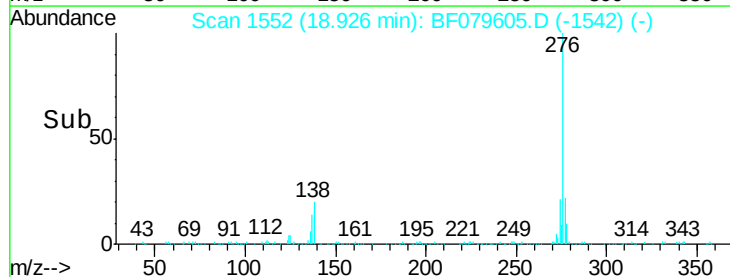
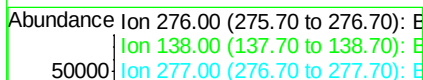
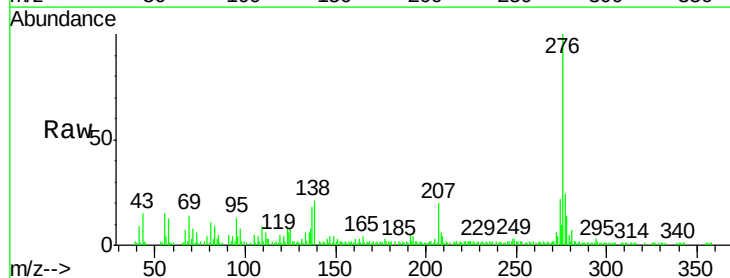
Tgt Ion:276 Resp: 66878

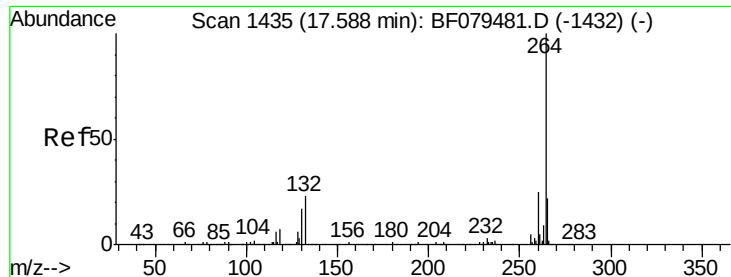
Ion Ratio Lower Upper

276 100

138 24.0 21.4 32.2

277 26.9 19.8 29.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.60 min Scan# 1436

Delta R.T. -0.07 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

Instrument :

BNA_F

ClientSampleId :

PJBLVD10.1(2)

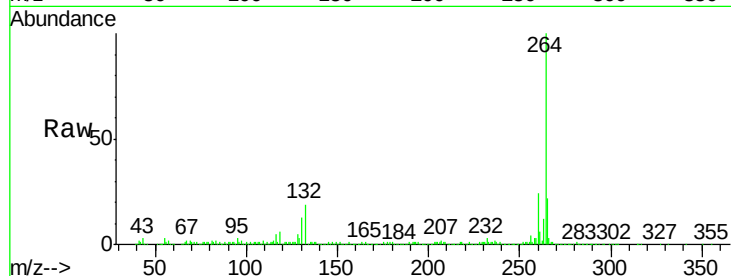
Tgt Ion:264 Resp: 267561

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.8

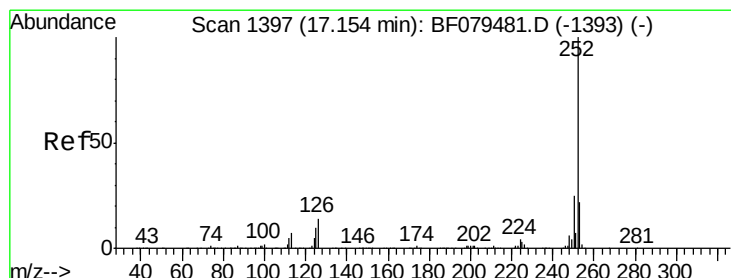
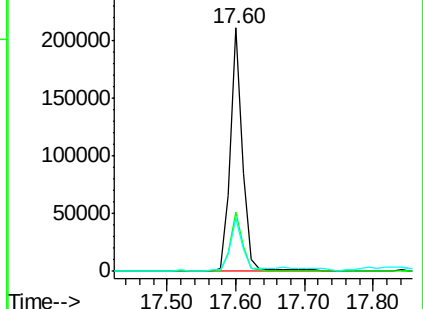
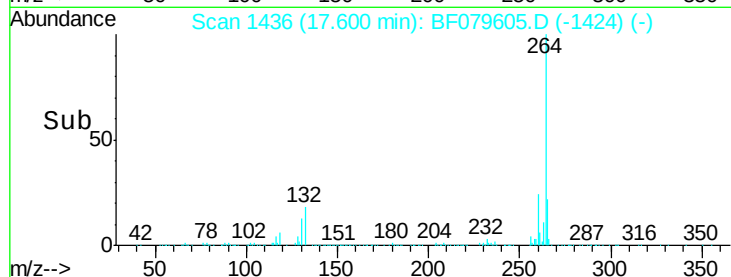
265 21.9 17.8 26.6



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: 12.12 ng

RT: 17.13 min Scan# 1395

Delta R.T. -0.07 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

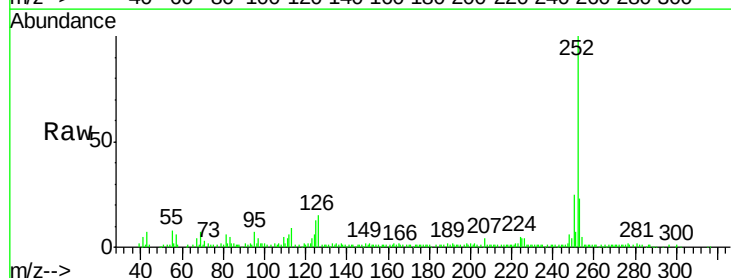
Tgt Ion:252 Resp: 185006

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

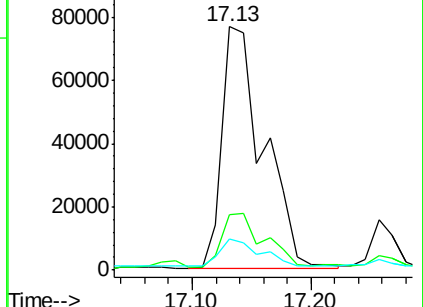
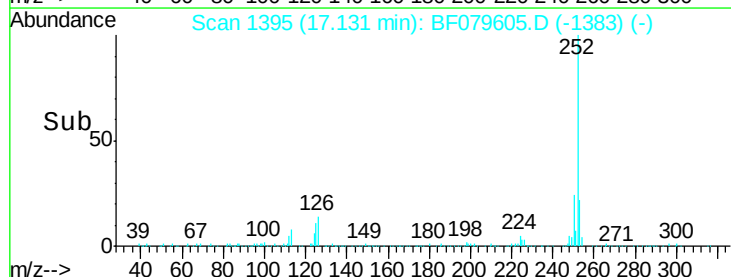
125 13.0 7.8 11.6#

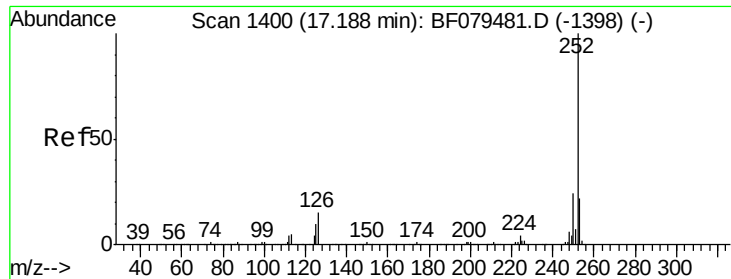


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 13.56 ng

RT: 17.13 min Scan# 1395

Delta R.T. -0.10 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

Instrument :

BNA_F

ClientSampleId :

PJBLVD10.1(2)

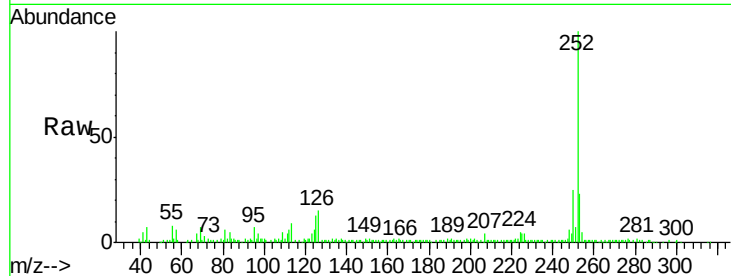
Tgt Ion:252 Resp: 185006

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

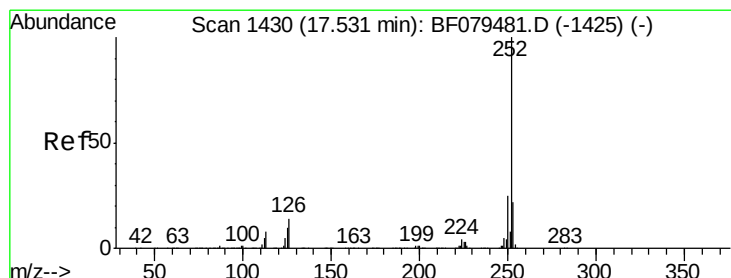
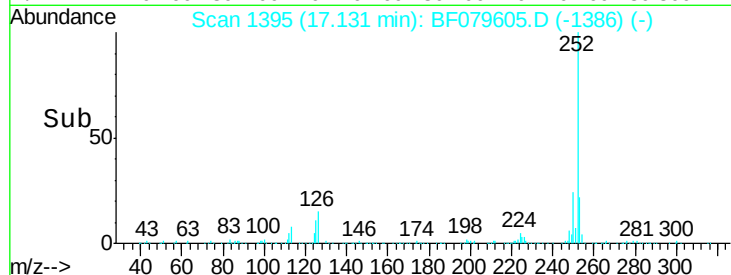
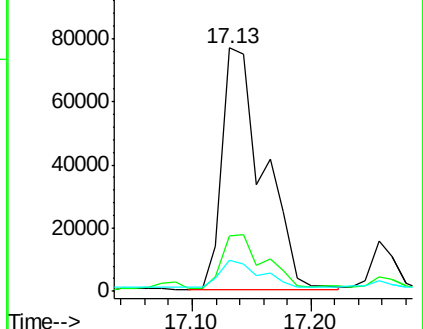
125 13.0 6.8 10.2#



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: 5.78 ng

RT: 17.53 min Scan# 1430

Delta R.T. -0.08 min

Lab File: BF079605.D

Acq: 30 May 2015 16:17

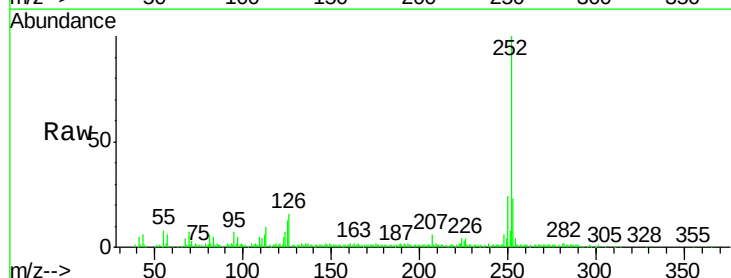
Tgt Ion:252 Resp: 99839

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

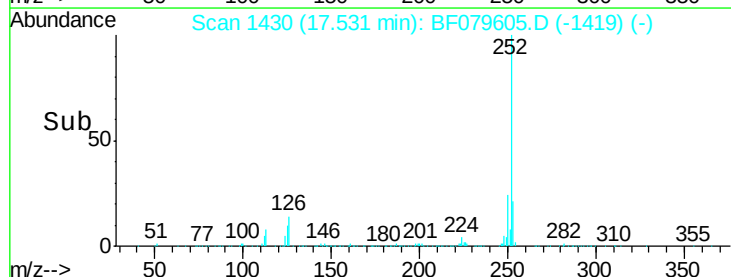
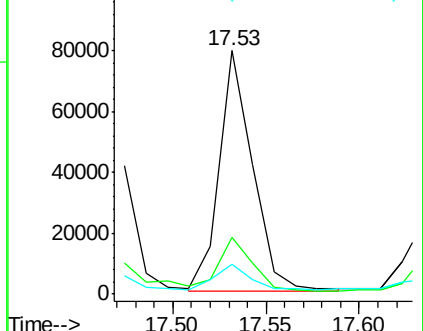
125 12.5 7.9 11.9#

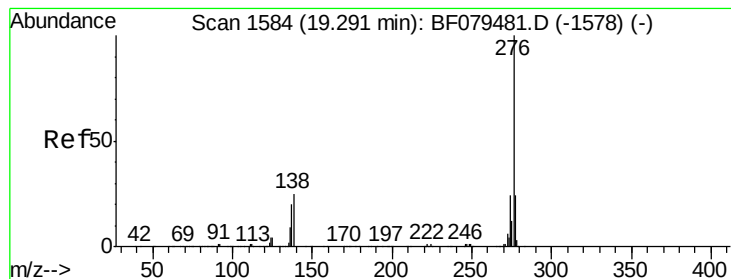


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.22 ng

RT: 19.30 min Scan# 1585

Delta R.T. -0.10 min

Lab File: BF079605.D

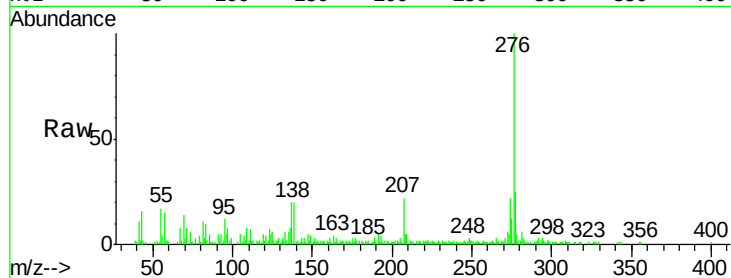
Acq: 30 May 2015 16:17

Instrument :

BNA_F

ClientSampleId :

PJBLVD10.1(2)



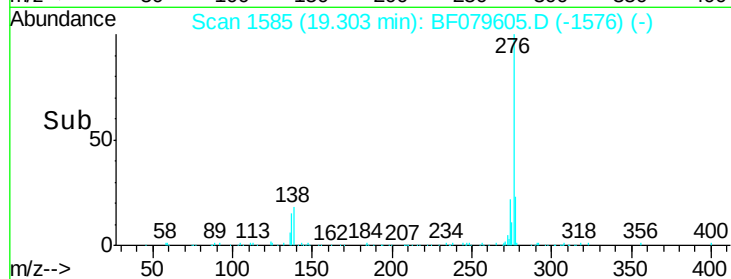
Tgt Ion: 276 Resp: 71581

Ion Ratio Lower Upper

276 100

277 25.2 19.1 28.7

138 20.3 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

