

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
 Data File : BF079327.D
 Acq On : 19 May 2015 2:31
 Operator : TP/IZ
 Sample : G2272-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-10-D1

Quant Time: May 19 04:16:29 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 03:47:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	45634	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	196268	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	98227	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	189169	20.00	ng	0.00
75) Chrysene-d12	16.05	240	197101	20.00	ng	-0.01
86) Perylene-d12	17.78	264	204361	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	344004m	129.76	ng	0.01
7) Phenol-d6	6.74	99	478830	136.64	ng	0.00
23) Nitrobenzene-d5	7.86	82	273308	80.03	ng	0.00
41) 2,4,6-Tribromophenol	11.90	330	141901	133.54	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	539495	76.52	ng	0.00
78) Terphenyl-d14	14.75	244	615660	74.78	ng	0.00

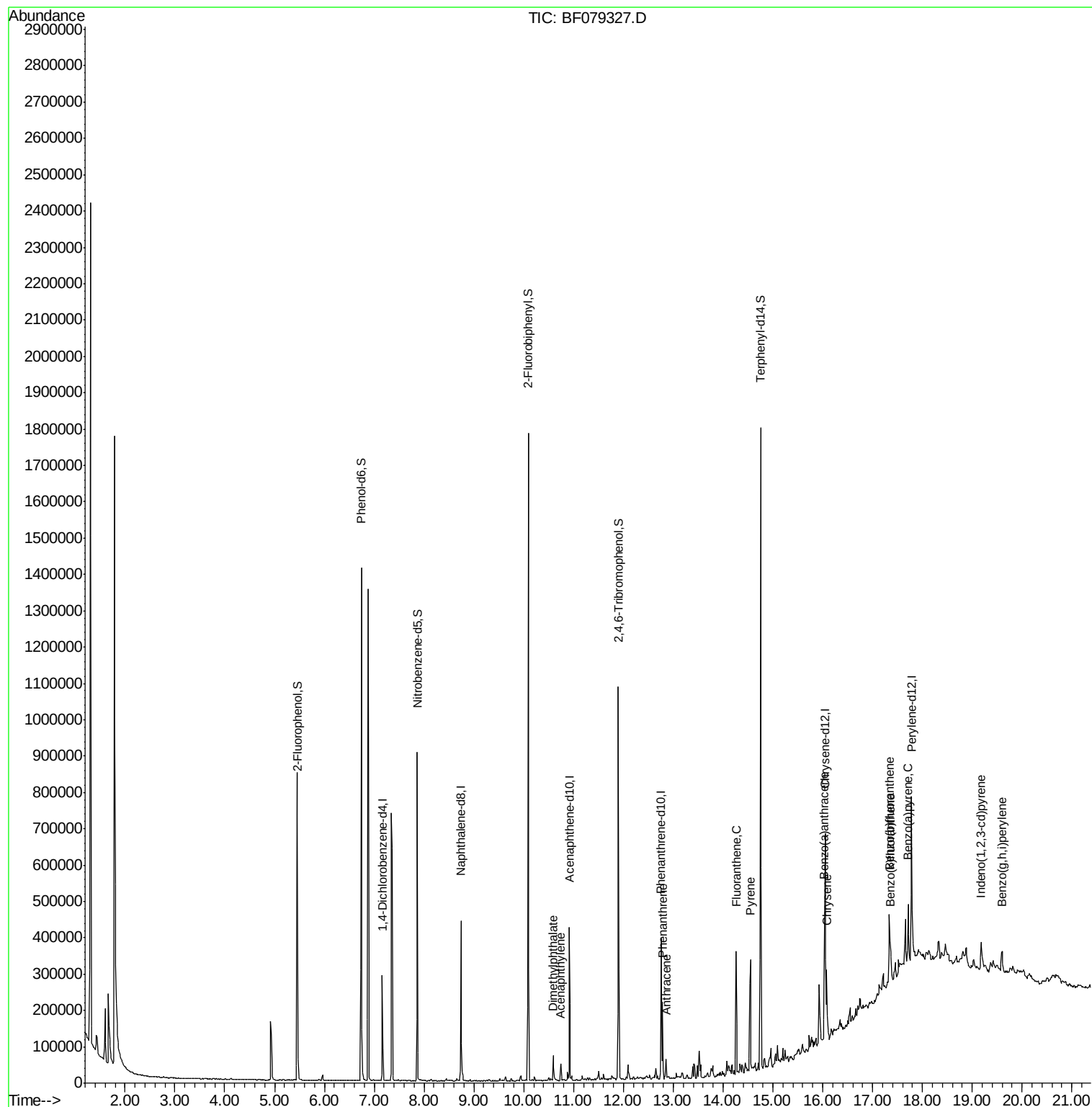
Target Compounds						Qvalue
48) Acenaphthylene	10.74	152	22145	2.21	ng	100
49) Dimethylphthalate	10.59	163	31068	4.31	ng	99
70) Phenanthrene	12.79	178	81882	7.74	ng	99
71) Anthracene	12.86	178	30830	2.97	ng	97
74) Fluoranthene	14.26	202	153539	13.92	ng	99
77) Pyrene	14.55	202	163721	14.41	ng	99
80) Benzo(a)anthracene	16.03	228	99442m	9.21	ng	
82) Chrysene	16.08	228	82156	7.91	ng	98
85) Indeno(1,2,3-cd)pyrene	19.18	276	53254	4.03	ng	95
87) Benzo(b)fluoranthene	17.34	252	123678m	11.06	ng	
88) Benzo(k)fluoranthene	17.36	252	26351m	2.43	ng	
89) Benzo(a)pyrene	17.71	252	80357	7.80	ng	# 93
91) Benzo(a,h,i)perylene	19.60	276	51677	4.71	ng	95

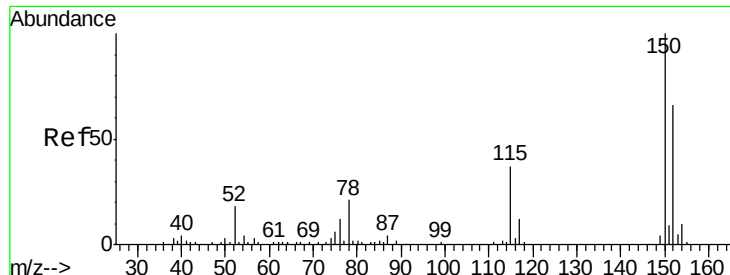
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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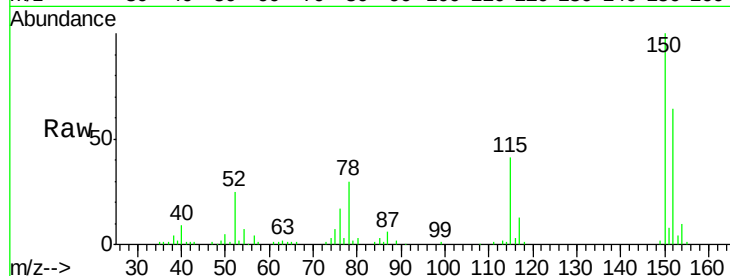




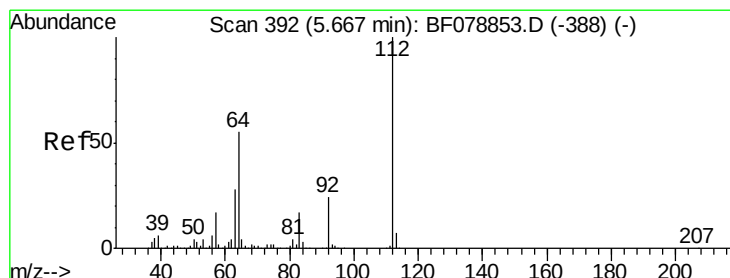
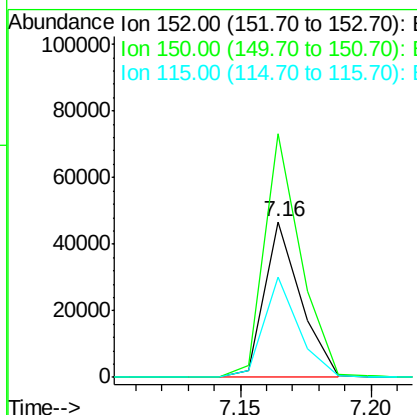
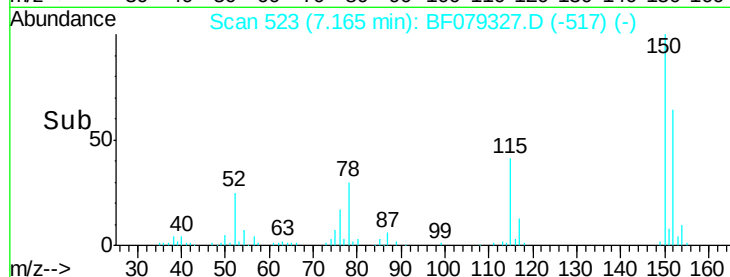
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Instrument :
 BNA_F
 ClientSampleId :
 WC-10-D1

Tot Ion:	152	Resp:	45634
Ion	Ratio	Lower	Upper
152	100		
150	156.7	123.8	185.8
115	64.7	49.4	74.0

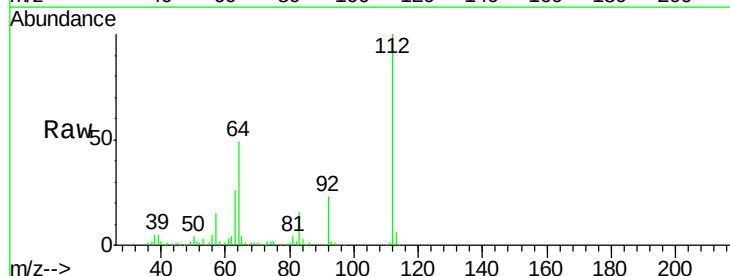


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

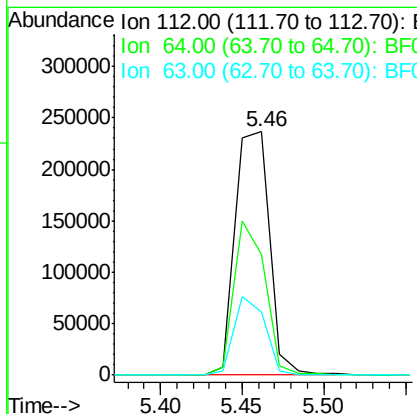
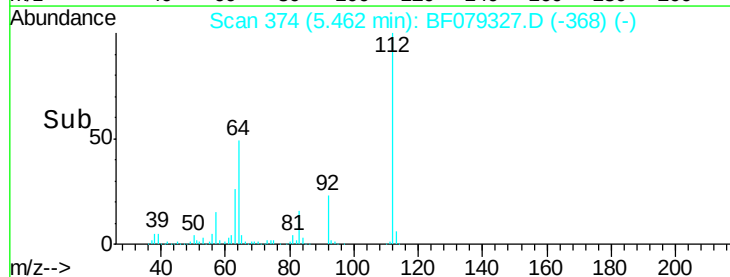


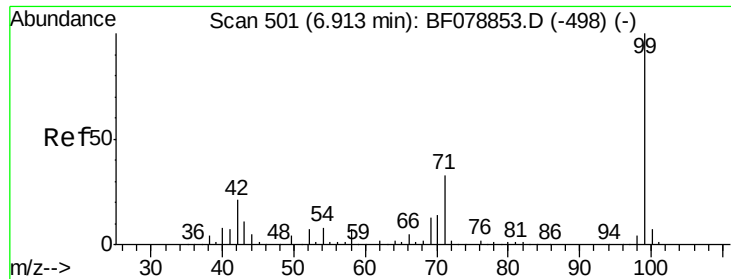
#5
 2-Fluorophenol
 Concen: 129.76 ng m
 RT: 5.46 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Tgt Ion:	112	Resp:	344004
Ion	Ratio	Lower	Upper
112	100		
64	49.4	44.2	66.2
63	25.8	22.7	34.1



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: 136.64 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampleId :

WC-10-D1

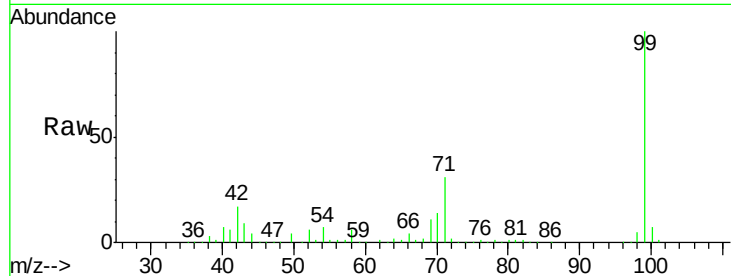
Tot Ion: 99 Resp: 478830

Ion Ratio Lower Upper

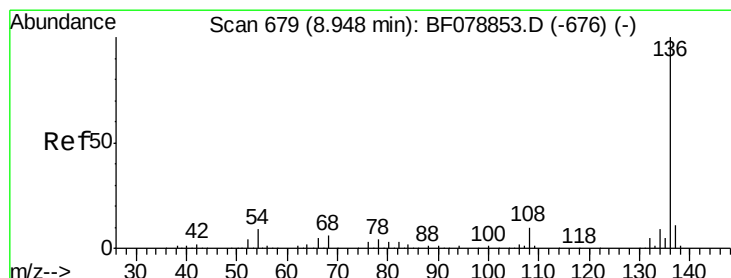
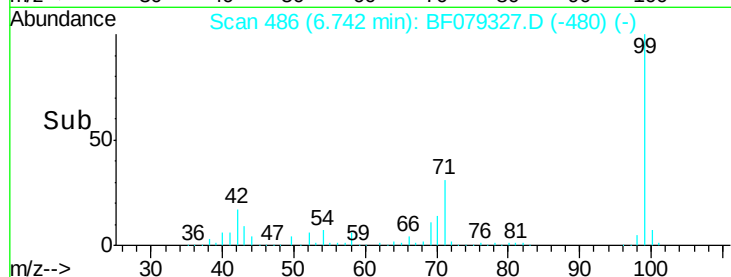
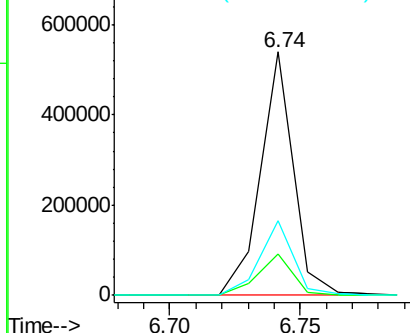
99 100

42 16.8 17.1 25.7#

71 30.7 26.3 39.5



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: 8.74 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

Tgt Ion: 136 Resp: 196268

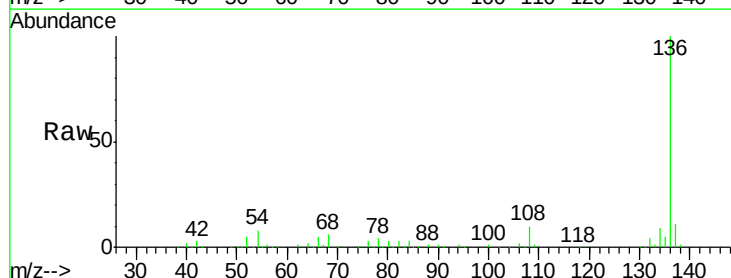
Ion Ratio Lower Upper

136 100

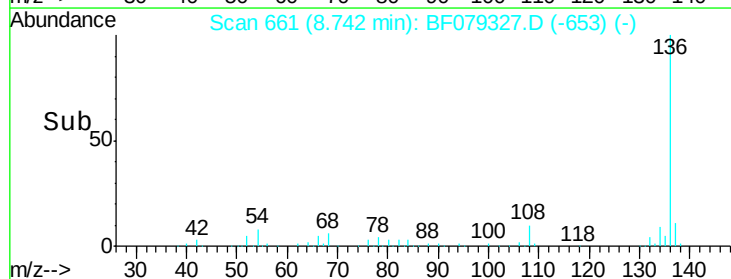
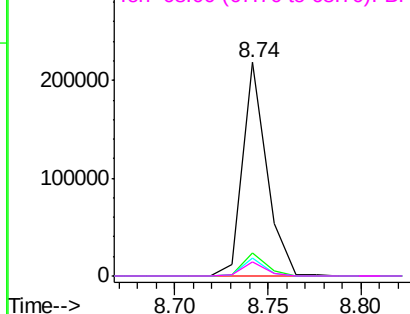
137 10.9 8.8 13.2

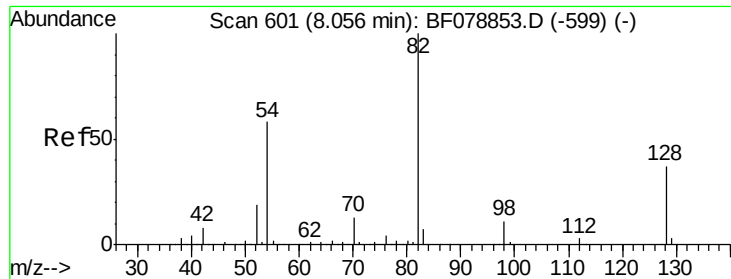
54 8.3 6.9 10.3

68 6.3 4.9 7.3



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

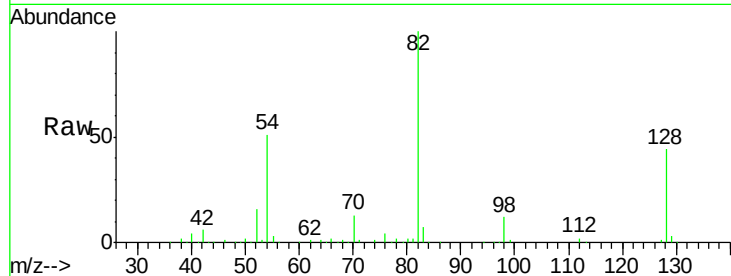




#23
Nitrobenzene-d5
Concen: 80.03 ng
RT: 7.86 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

Instrument :
BNA_F
ClientSampleId :
WC-10-D1

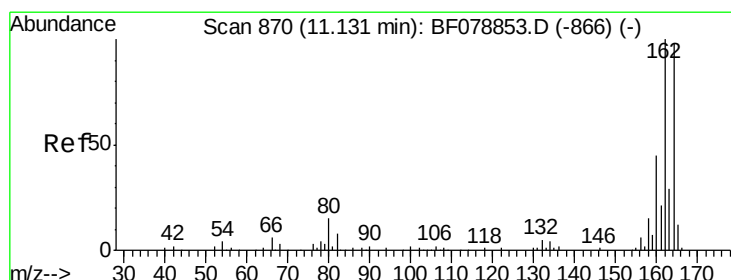
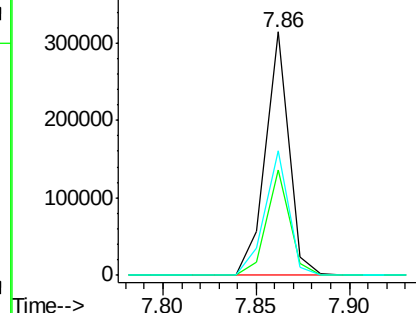
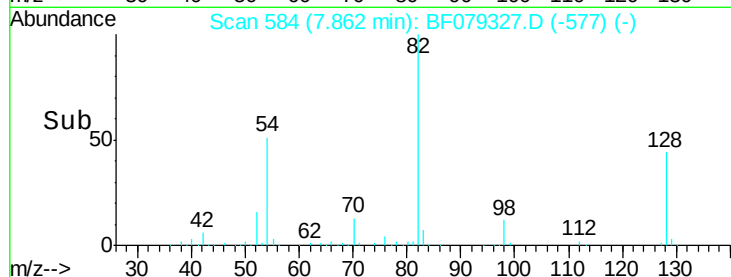
Tot Ion	82	Resp	273308
Ion Ratio	100	Lower	Upper
128	43.5	29.7	44.5
54	51.4	46.2	69.4



Abundance Ion 82.00 (81.70 to 82.70): BF079327.D (-577) (-)

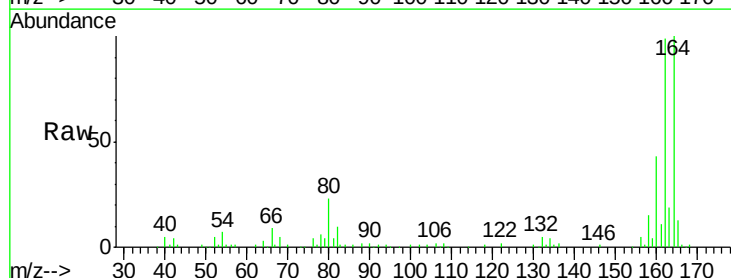
Ion 128.00 (127.70 to 128.70): BF079327.D (-577) (-)

Ion 54.00 (53.70 to 54.70): BF079327.D (-577) (-)



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.91 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

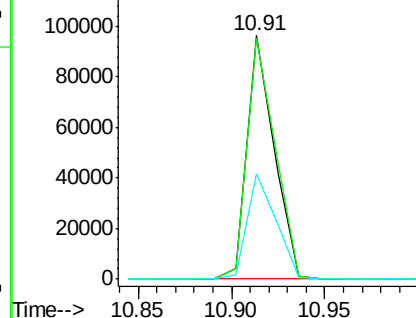
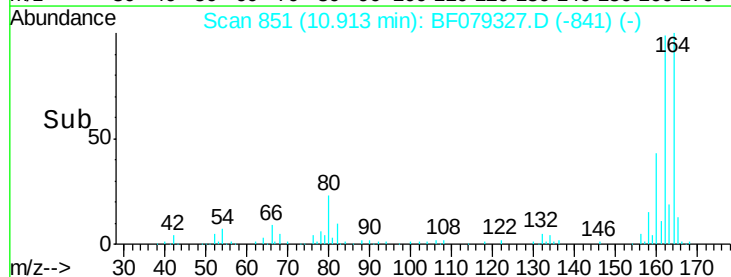
Tgt Ion	164	Resp	98227
Ion Ratio	100	Lower	Upper
162	98.8	81.4	122.0
160	43.5	36.6	54.8

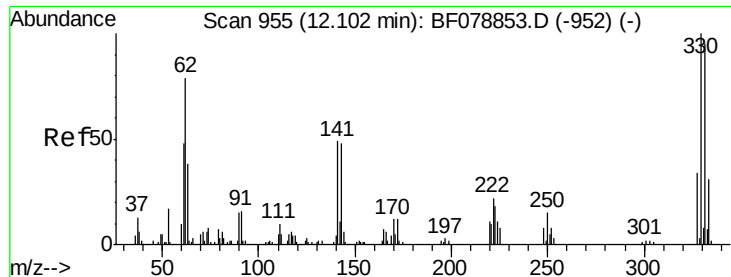


Abundance Ion 164.00 (163.70 to 164.70): BF079327.D (-841) (-)

Ion 162.00 (161.70 to 162.70): BF079327.D (-841) (-)

Ion 160.00 (159.70 to 160.70): BF079327.D (-841) (-)

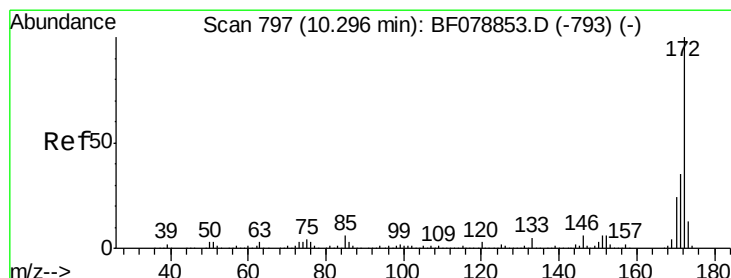
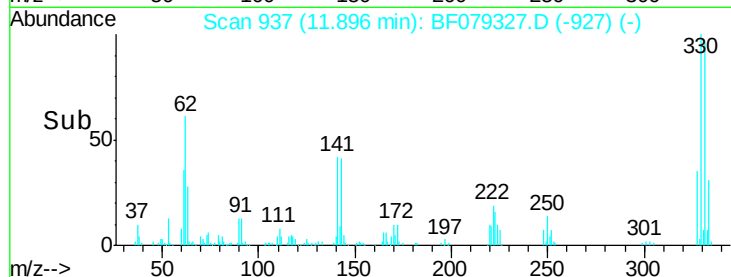
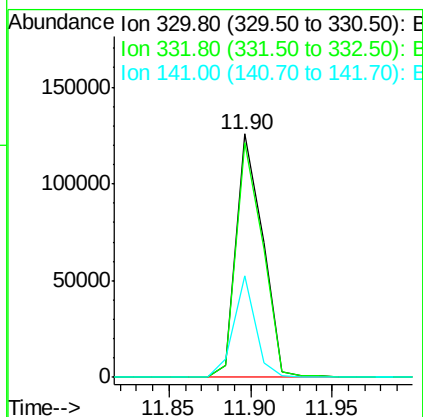
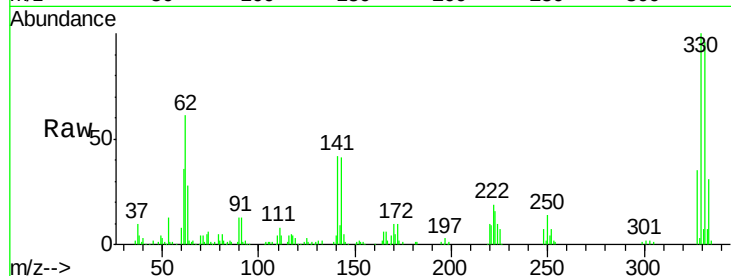




#41
 2,4,6-Tribromophenol
 Concen: 133.54 ng
 RT: 11.90 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

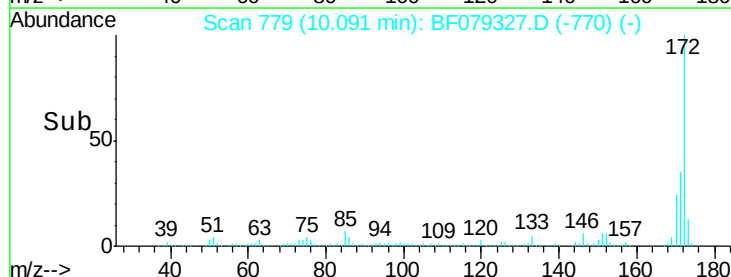
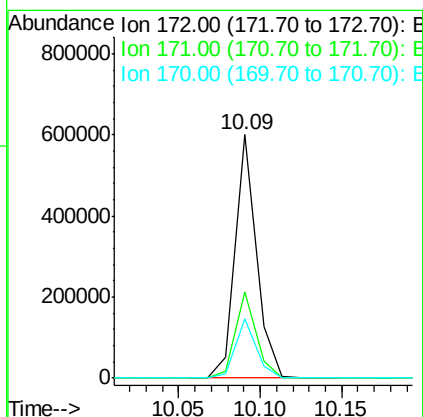
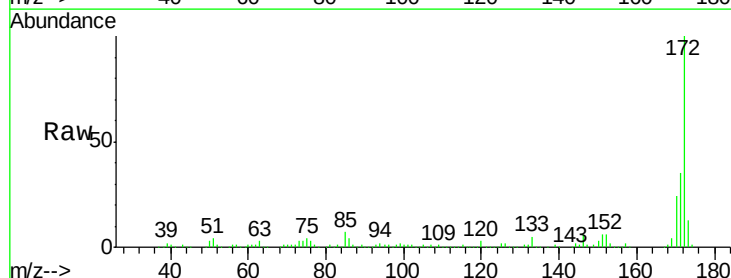
Instrument :
 BNA_F
 ClientSampleId :
 WC-10-D1

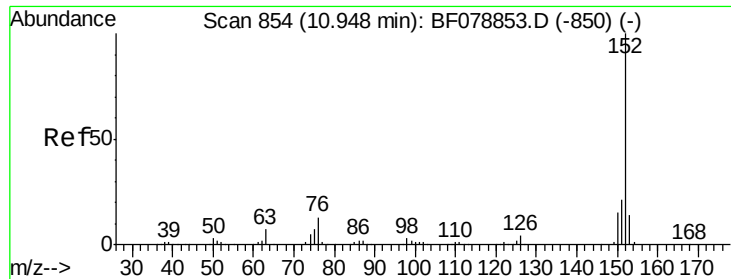
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.9	115.3
141	34.7	27.8	41.8



#44
 2-Fluorobiphenyl
 Concen: 76.52 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	24.4	19.4	29.2





#48

Acenaphthylene

Concen: 2.21 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampleId :

WC-10-D1

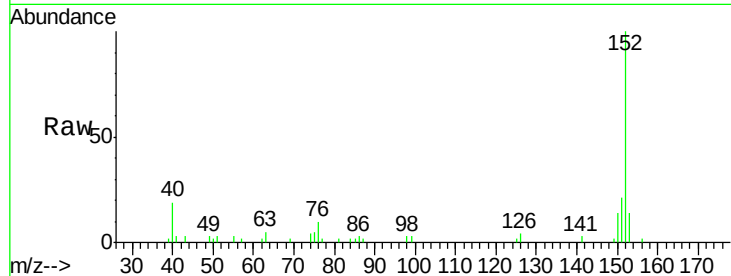
Tot Ion:152 Resp: 22145

Ion Ratio Lower Upper

152 100

151 20.6 16.6 24.8

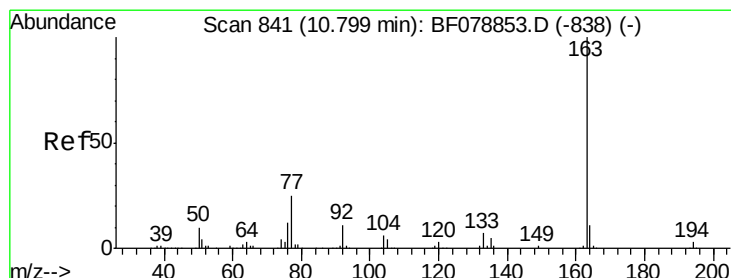
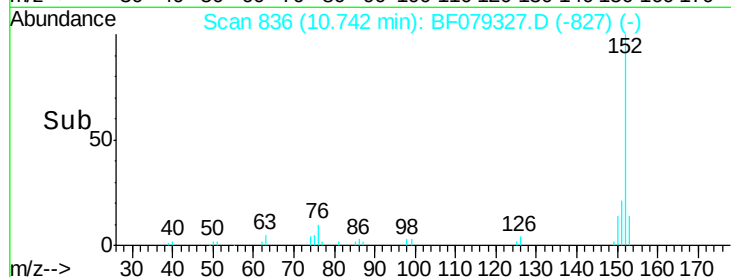
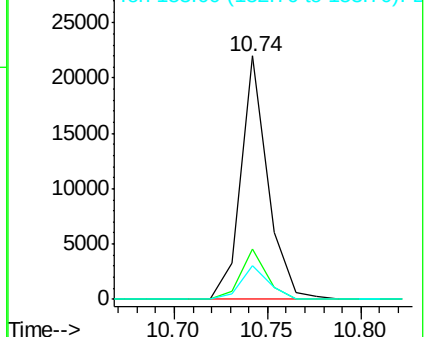
153 13.7 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 4.31 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

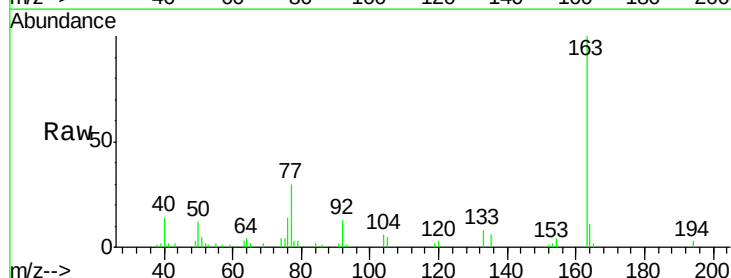
Tgt Ion:163 Resp: 31068

Ion Ratio Lower Upper

163 100

194 2.7 2.4 3.6

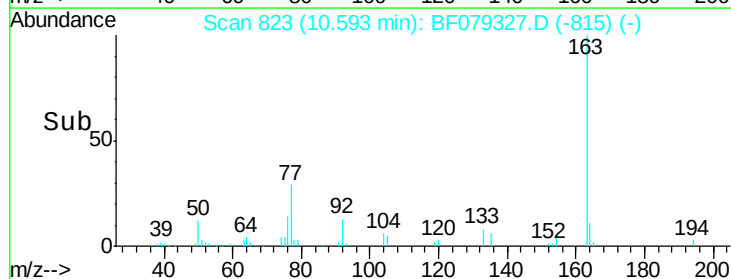
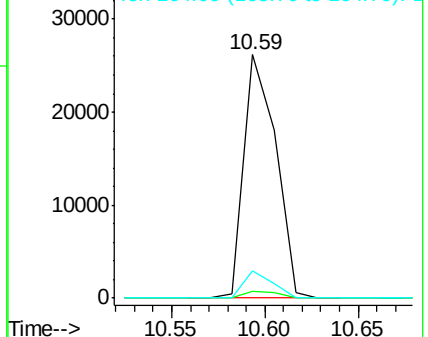
164 11.1 8.6 12.8

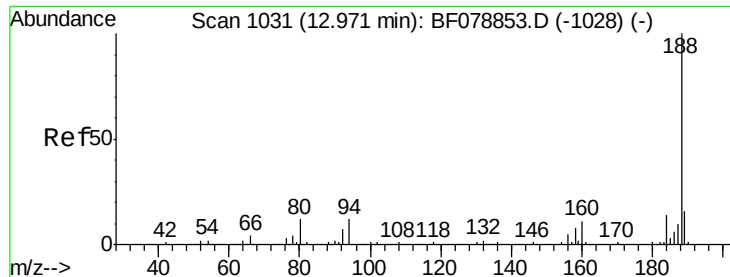


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

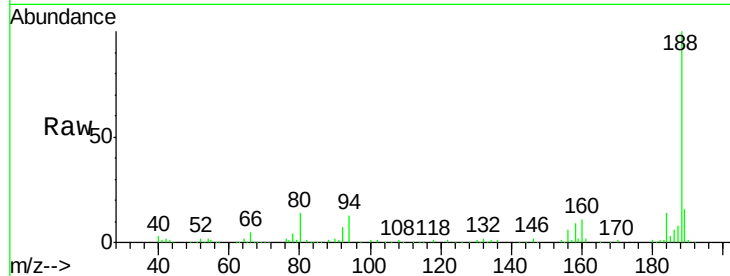




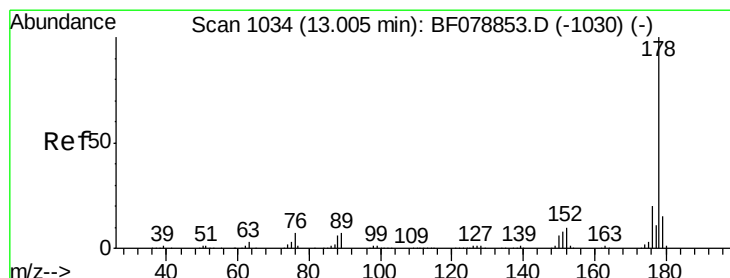
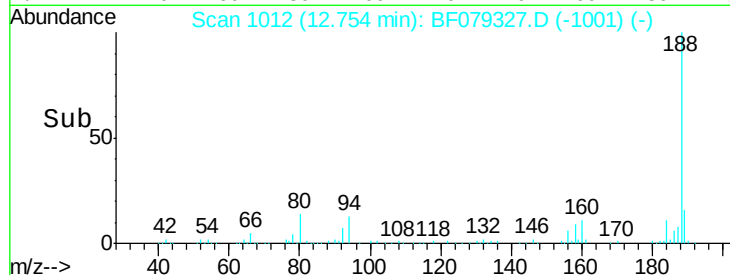
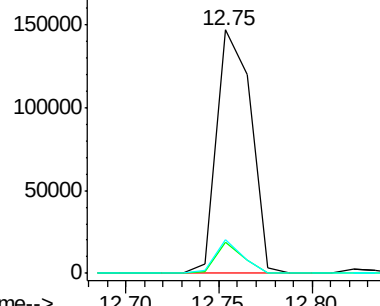
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.75 min Scan# 1012
Delta R.T. -0.00 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

Instrument :
BNA_F
ClientSampleId :
WC-10-D1

Tot Ion:188 Resp: 189169
Ion Ratio Lower Upper
188 100
94 12.7 9.4 14.0
80 14.0 9.8 14.6

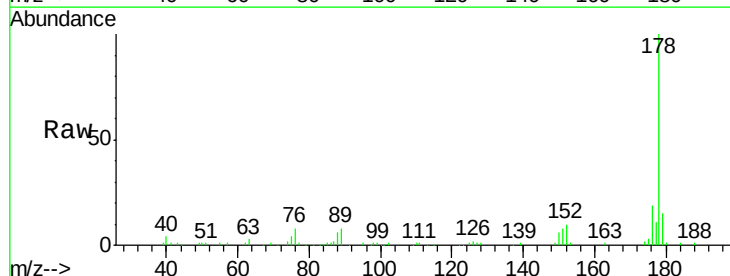


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

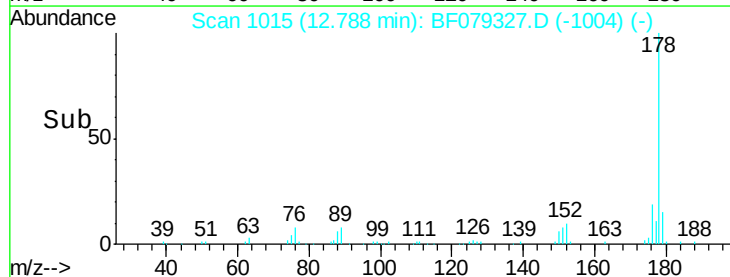
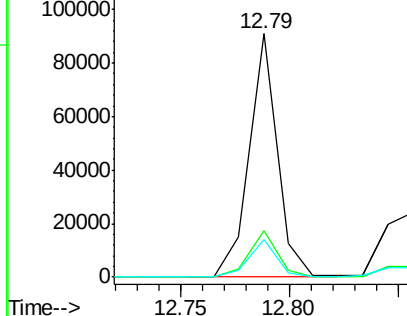


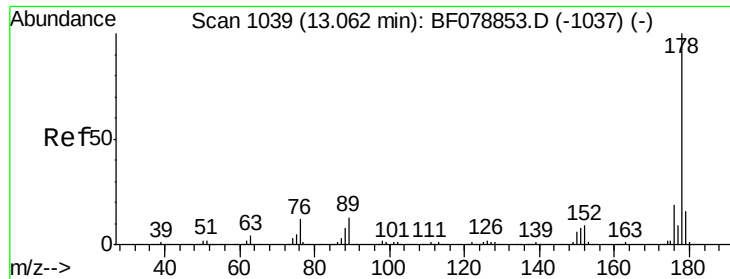
#70
Phenanthrene
Concen: 7.74 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

Tgt Ion:178 Resp: 81882
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.3 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

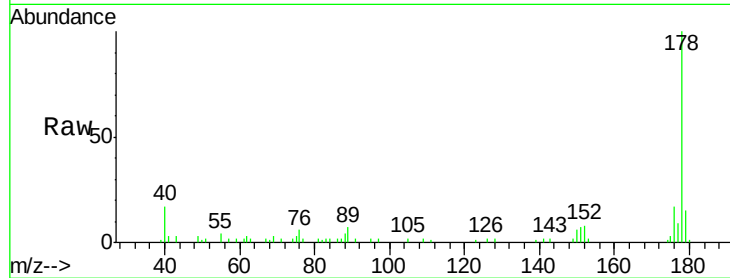




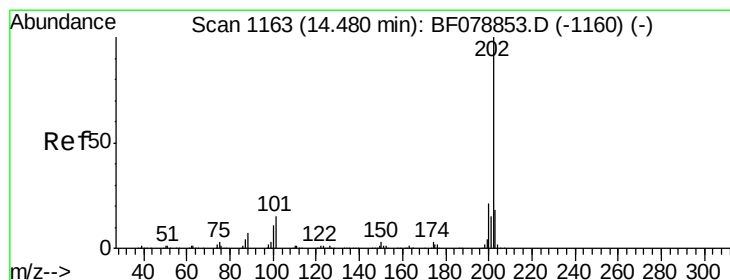
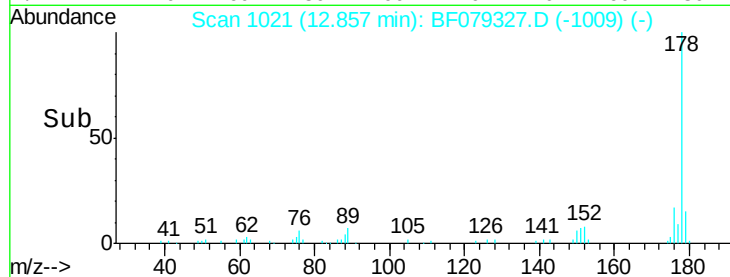
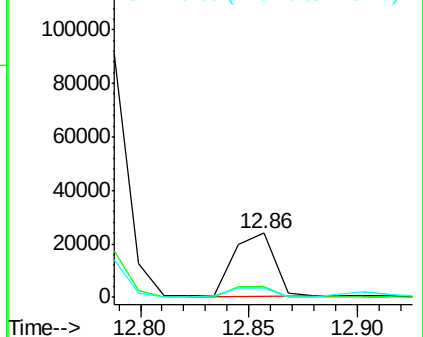
#71
 Anthracene
 Concen: 2.97 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Instrument :
 BNA_F
 ClientSampleId :
 WC-10-D1

Tot Ion:178 Resp: 30830
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.3 22.9
 179 15.4 12.6 19.0

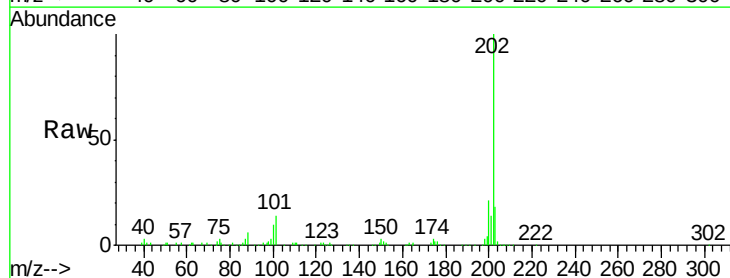


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

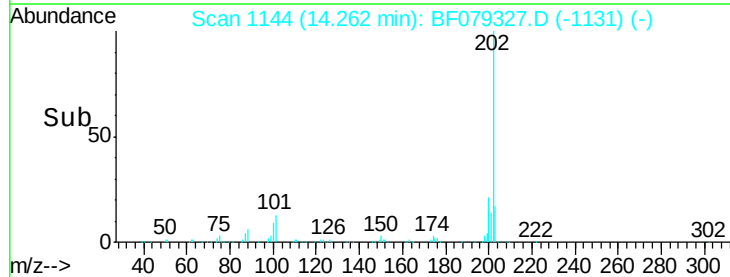
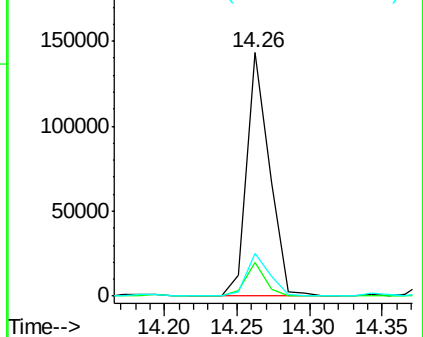


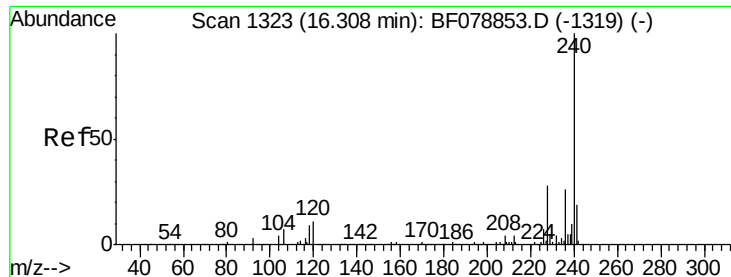
#74
 Fluoranthene
 Concen: 13.92 ng
 RT: 14.26 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Tgt Ion:202 Resp: 153539
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 34.7
 203 17.5 0.0 37.9



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: 16.05 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampleId :

WC-10-D1

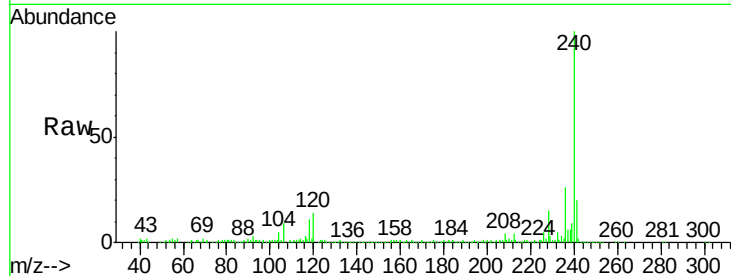
Tot Ion:240 Resp: 197101

Ion Ratio Lower Upper

240 100

120 13.5 8.6 12.8#

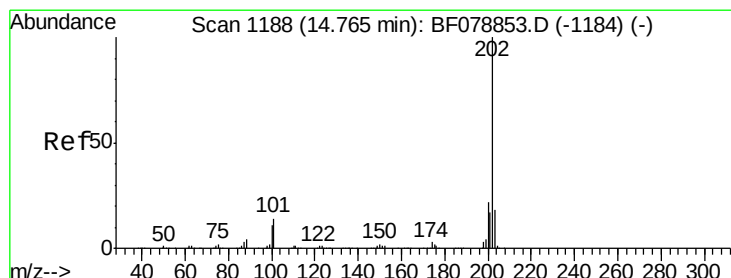
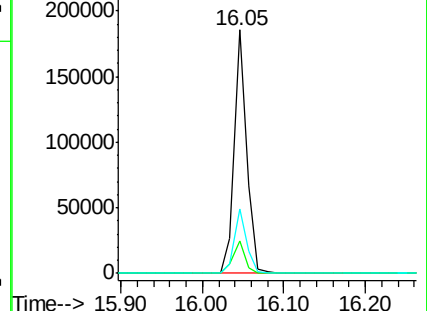
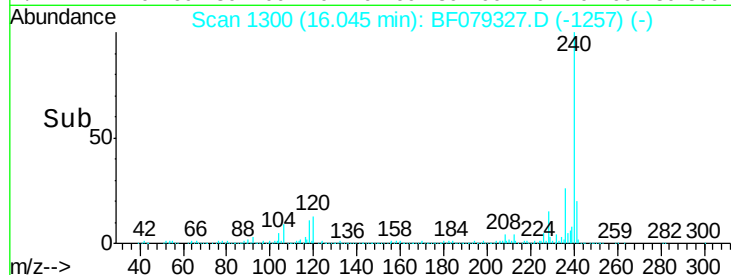
236 26.5 21.0 31.6



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: 14.41 ng

RT: 14.55 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

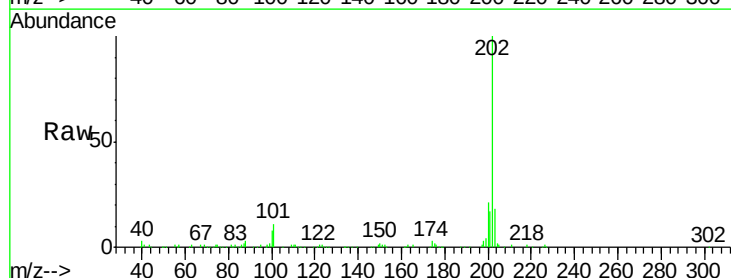
Tgt Ion:202 Resp: 163721

Ion Ratio Lower Upper

202 100

200 21.1 17.5 26.3

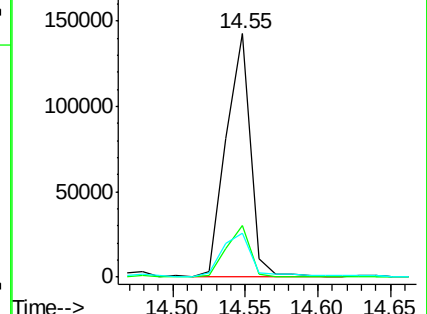
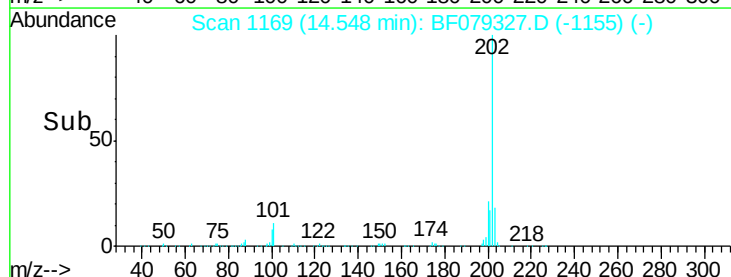
203 18.2 14.7 22.1

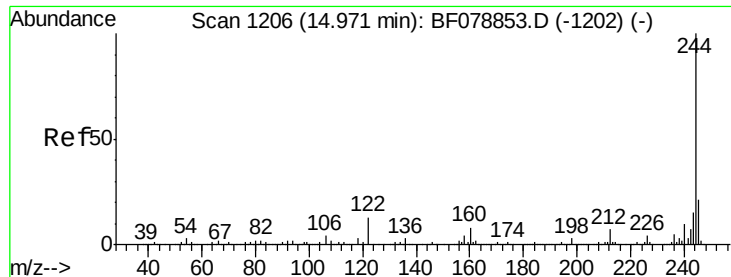


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.78 ng

RT: 14.75 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampleId :

WC-10-D1

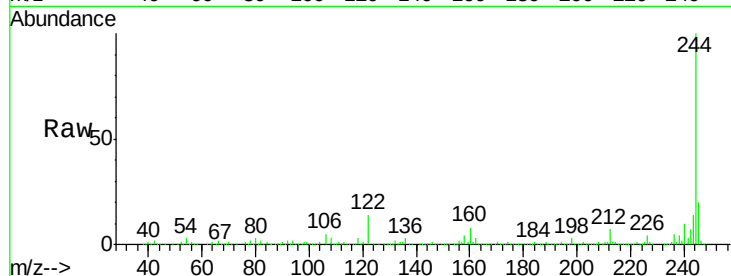
Tot Ion:244 Resp: 615660

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

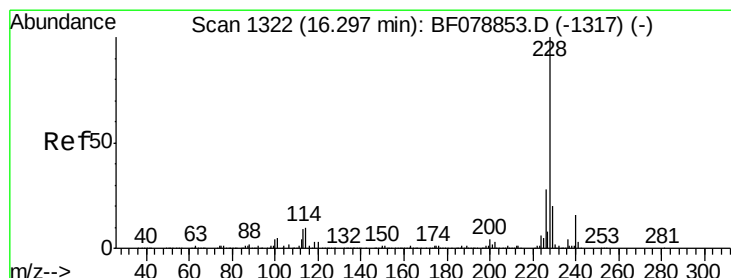
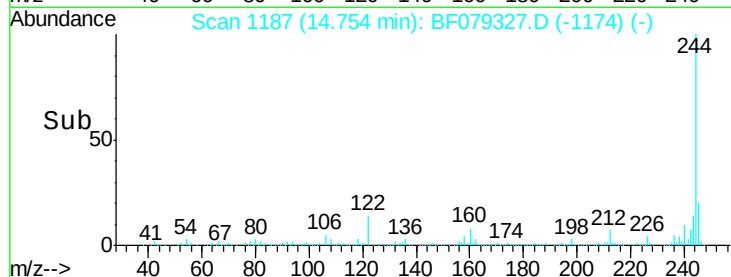
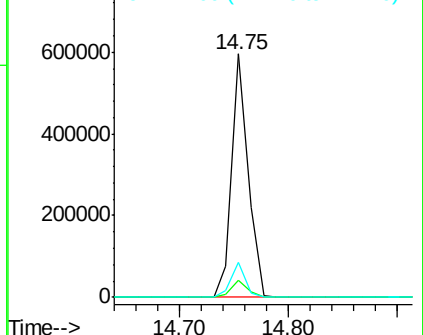
122 14.5 10.5 15.7



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: 9.21 ng m

RT: 16.03 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

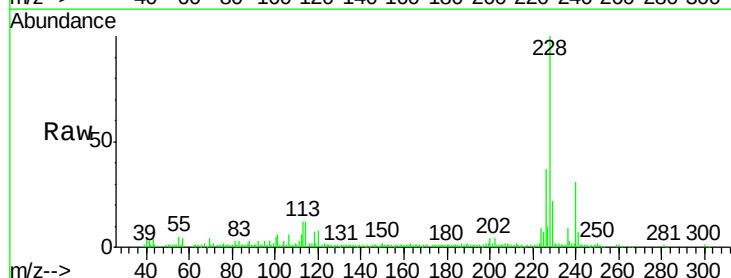
Tgt Ion:228 Resp: 99442

Ion Ratio Lower Upper

228 100

226 36.7 22.3 33.5#

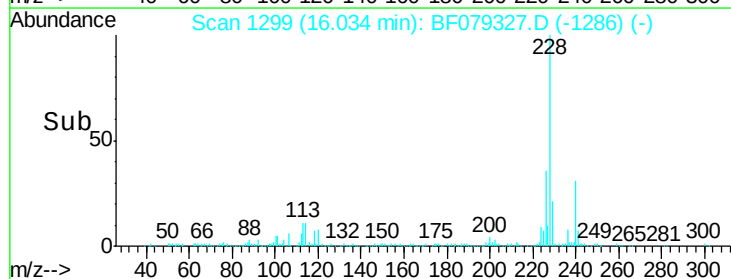
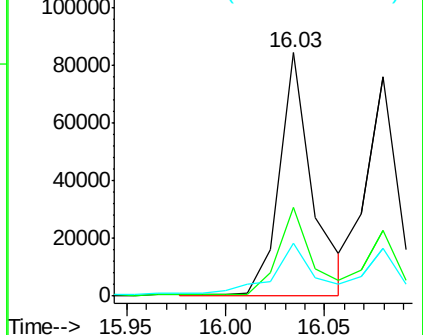
229 21.7 16.1 24.1

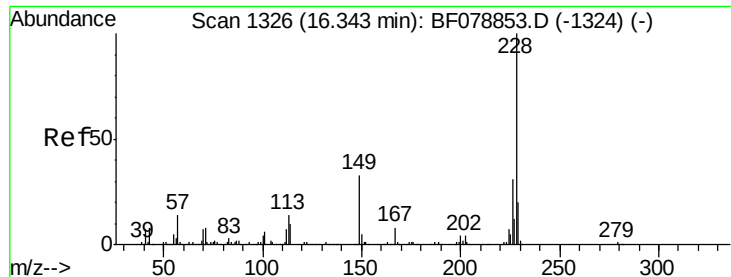


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.91 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampled :

WC-10-D1

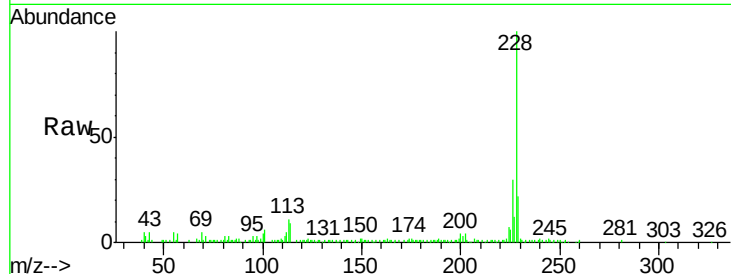
Tot Ion:228 Resp: 82156

Ion Ratio Lower Upper

228 100

226 30.2 24.8 37.2

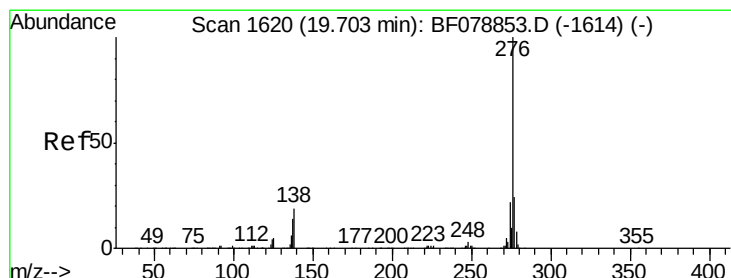
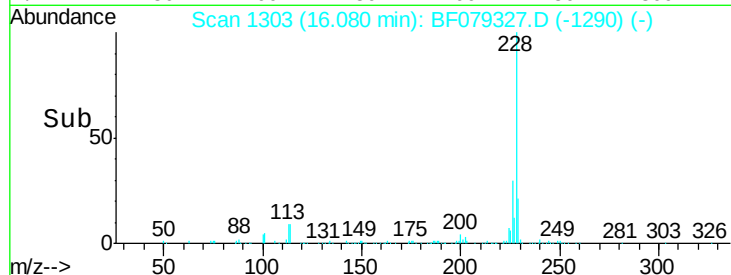
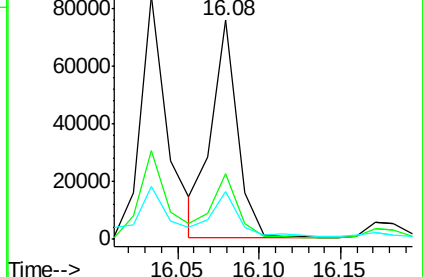
229 21.5 16.1 24.1



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.03 ng

RT: 19.18 min Scan# 1574

Delta R.T. -0.09 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

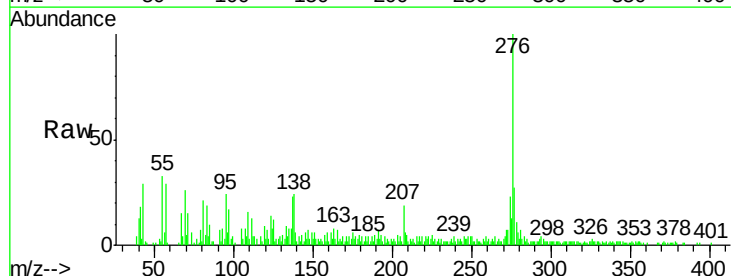
Tgt Ion:276 Resp: 53254

Ion Ratio Lower Upper

276 100

138 22.6 21.1 31.7

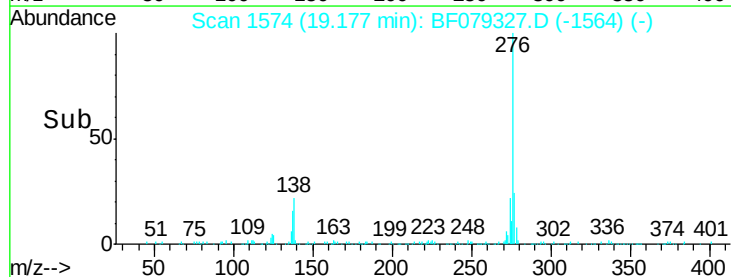
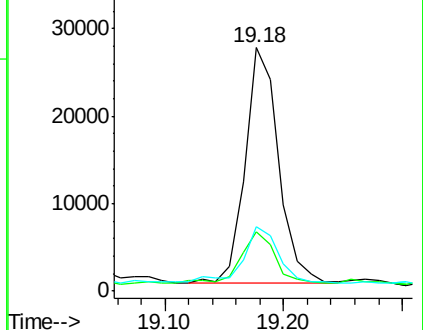
277 25.7 19.9 29.9

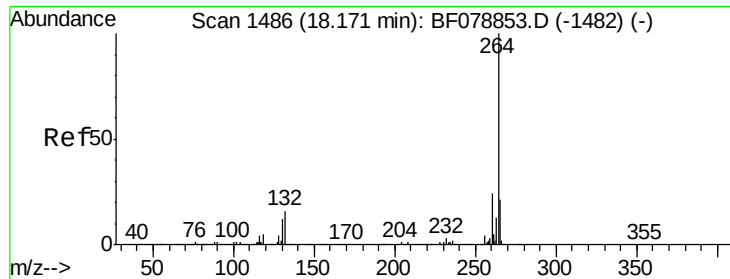


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

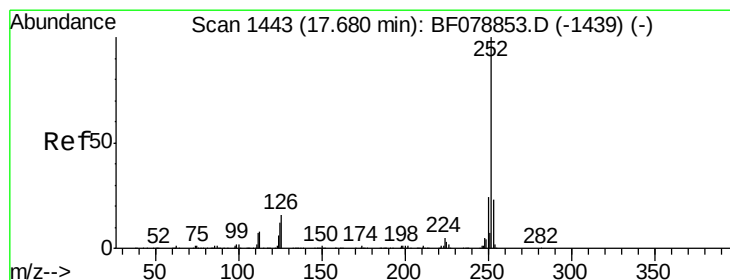
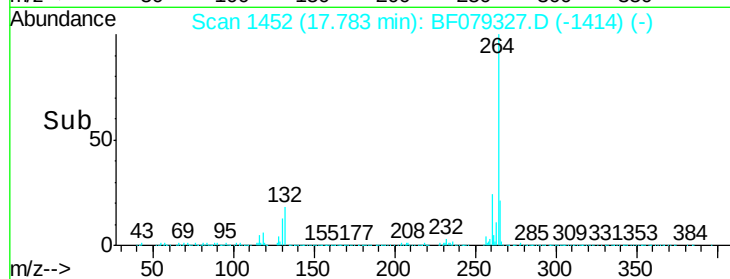
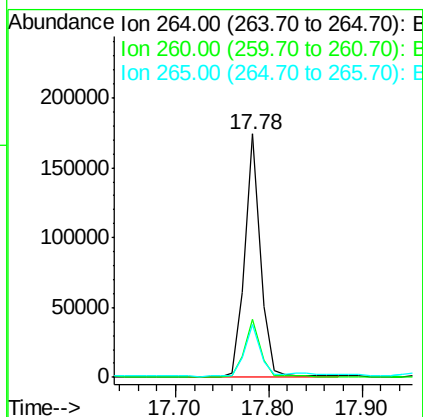
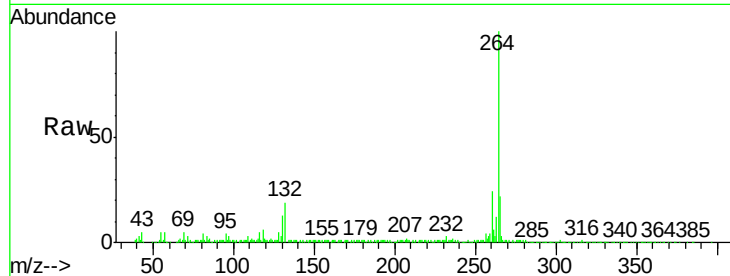




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.78 min Scan# 1452
Delta R.T. -0.07 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

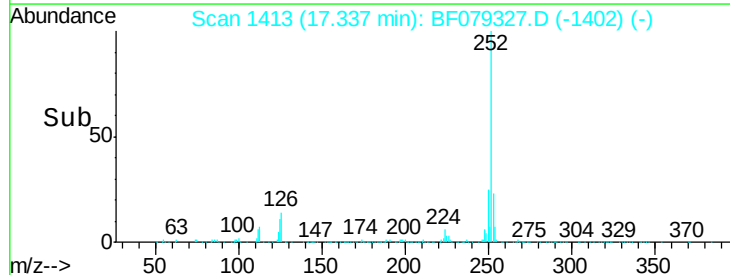
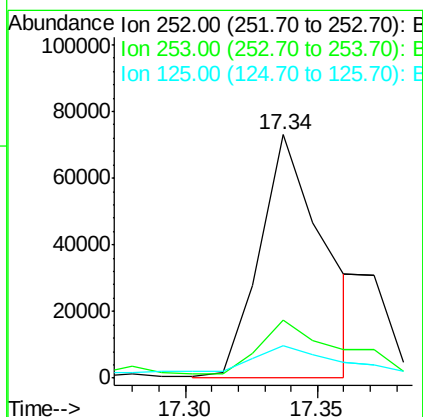
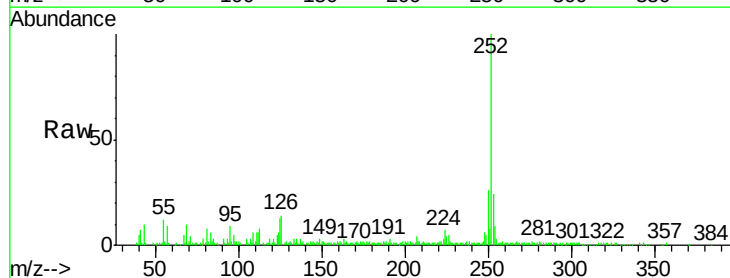
Instrument :
BNA_F
ClientSampleId :
WC-10-D1

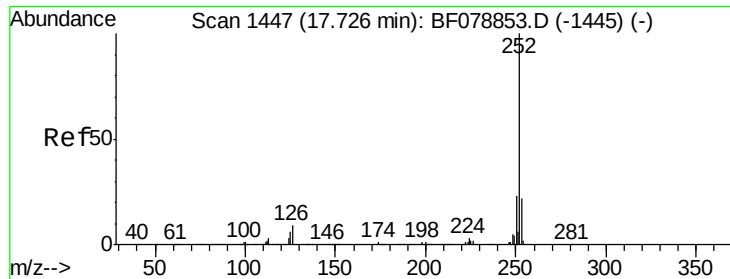
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.8	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 11.06 ng m
RT: 17.34 min Scan# 1413
Delta R.T. -0.06 min
Lab File: BF079327.D
Acq: 19 May 2015 2:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	13.3	9.4	14.2





#88

Benzo(k)fluoranthene

Concen: 2.43 ng

RT: 17.36 min Scan# 1415

Delta R.T. -0.07 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

Instrument :

BNA_F

ClientSampleID :

WC-10-D1

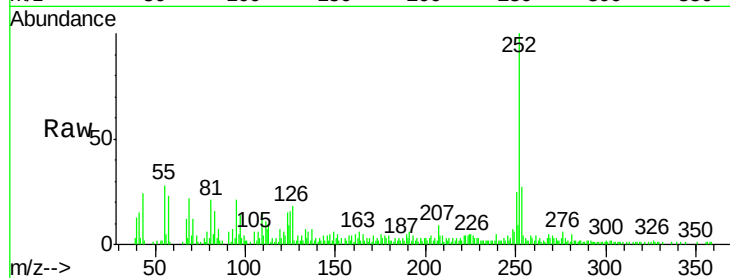
Tot Ion:252 Resp: 26351

Ion Ratio Lower Upper

252 100

253 27.4 17.4 26.0#

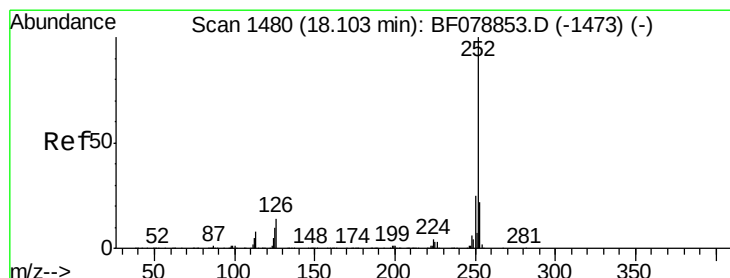
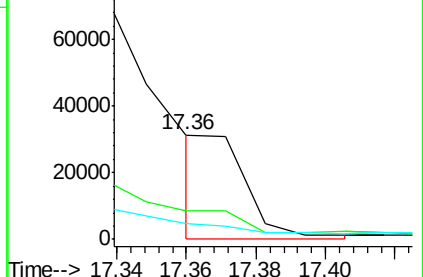
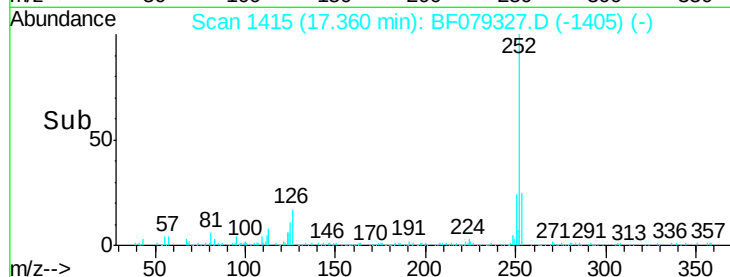
125 15.7 6.1 9.1#



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: 7.80 ng

RT: 17.71 min Scan# 1446

Delta R.T. -0.08 min

Lab File: BF079327.D

Acq: 19 May 2015 2:31

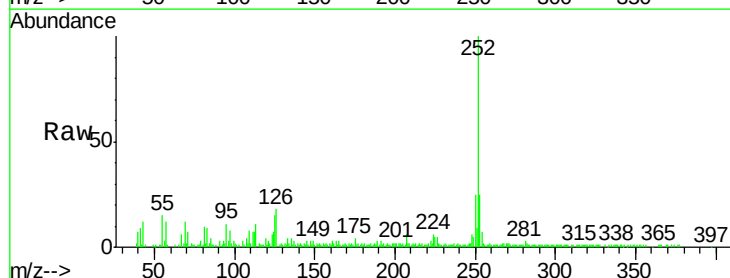
Tgt Ion:252 Resp: 80357

Ion Ratio Lower Upper

252 100

253 24.7 18.0 27.0

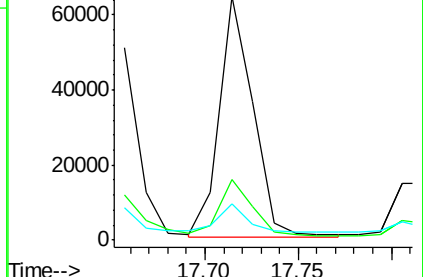
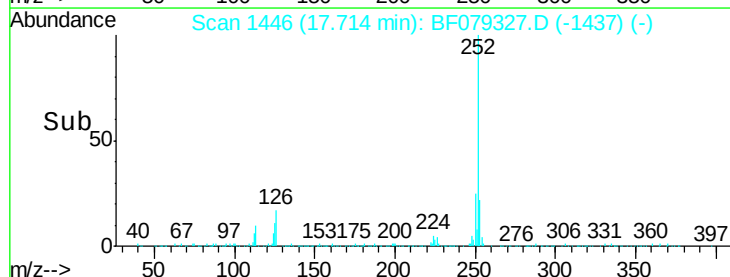
125 15.0 8.2 12.2#

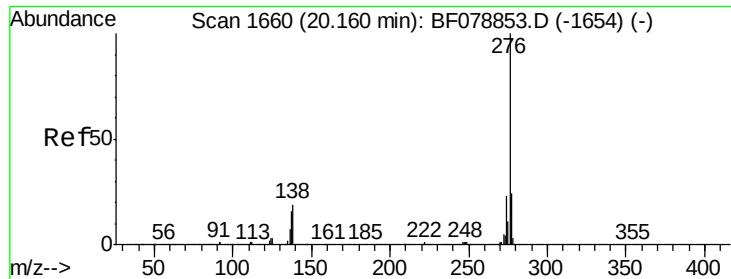


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

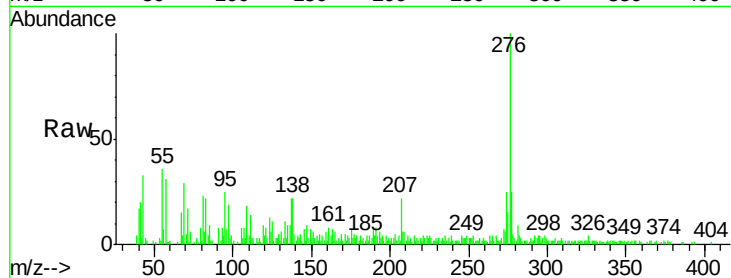




#91
 Benzo(a,h,i)perylene
 Concen: 4.71 ng
 RT: 19.60 min Scan# 1611
 Delta R.T. -0.09 min
 Lab File: BF079327.D
 Acq: 19 May 2015 2:31

Instrument :
 BNA_F
 ClientSampleId :
 WC-10-D1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.8	28.2
138	21.7	15.2	22.8



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

