

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052615\
 Data File : BF079501.D
 Acq On : 27 May 2015 4:18
 Operator : TP/IZ
 Sample : G2371-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-022

Quant Time: May 27 06:52:09 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 01:32:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	85227	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	355382	20.00	ng	0.00
38) Acenaphthene-d10	10.77	164	174669	20.00	ng	0.00
63) Phenanthrene-d10	12.61	188	336274	20.00	ng	0.01
75) Chrysene-d12	15.89	240	361626	20.00	ng	0.01
86) Perylene-d12	17.59	264	377976	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	512508	104.30	ng	0.00
7) Phenol-d6	6.62	99	762365	121.72	ng	0.00
23) Nitrobenzene-d5	7.71	82	408223	66.40	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	229052	119.39	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	815178	66.58	ng	0.00
78) Terphenyl-d14	14.59	244	971703	63.06	ng	0.00

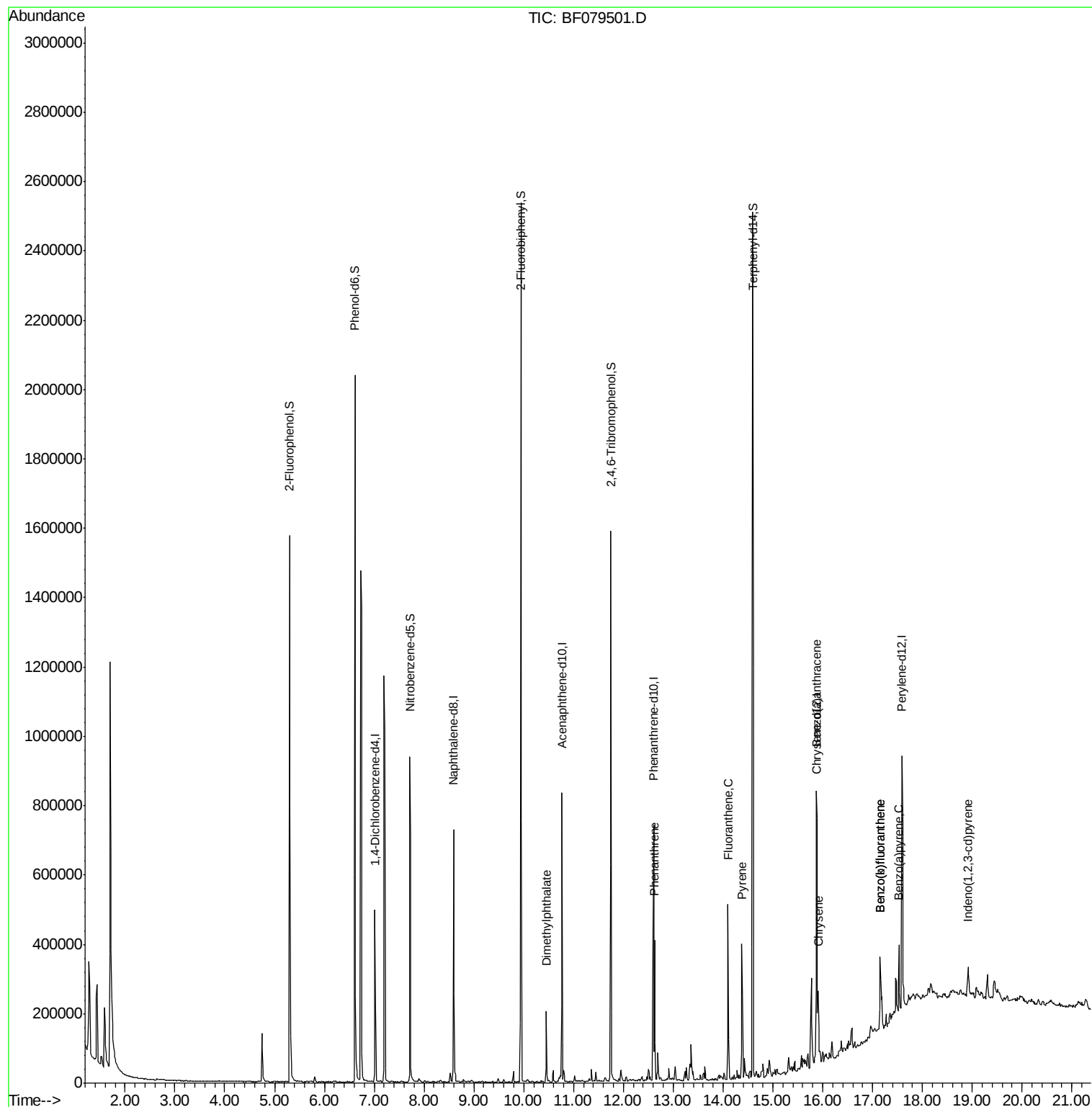
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.46	163	85869	6.67	ng	99
70) Phenanthrene	12.63	178	162324	8.80	ng	100
73) Di-n-butylphthalate	13.36	149	19281	Below Cal	#	96
74) Fluoranthene	14.10	202	217506	10.99	ng	97
77) Pyrene	14.38	202	191514	8.55	ng	97
80) Benzo(a)anthracene	15.87	228	96613	4.64	ng	98
82) Chrysene	15.91	228	89777	4.54	ng	97
85) Indeno(1,2,3-cd)pyrene	18.91	276	58346	2.29	ng	99
87) Benzo(b)fluoranthene	17.15	252	171339	7.95	ng	# 96
88) Benzo(k)fluoranthene	17.15	252	171339	8.89	ng	# 94
89) Benzo(a)pyrene	17.53	252	90134	2.97	ng	97
90) Dibenzo(a,h)anthracene	18.94	278	15458	Below Cal	#	83
91) Benzo(g,h,i)perylene	19.30	276	58266	Below Cal		98

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

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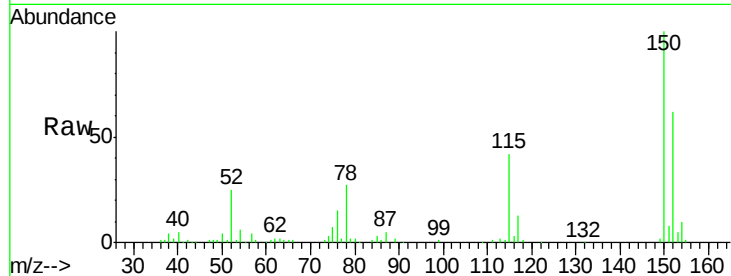




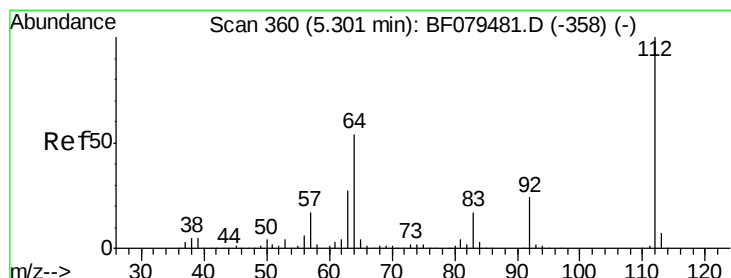
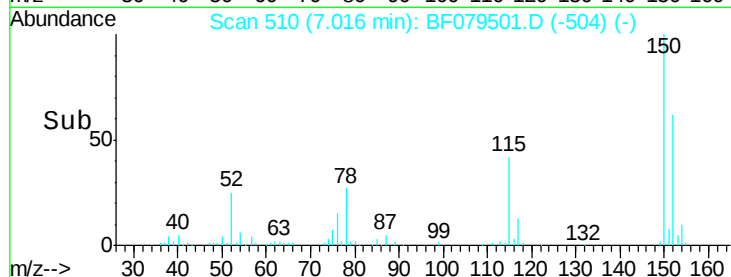
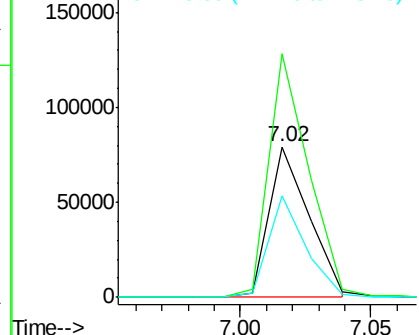
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.02 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: BF079501.D
 Acq: 27 May 2015 4:18

Instrument :
 BNA_F
 ClientSampleId :
 SW-022

Tgt Ion:152 Resp: 85227
 Ion Ratio Lower Upper
 152 100
 150 162.1 124.0 186.0
 115 67.5 49.6 74.4

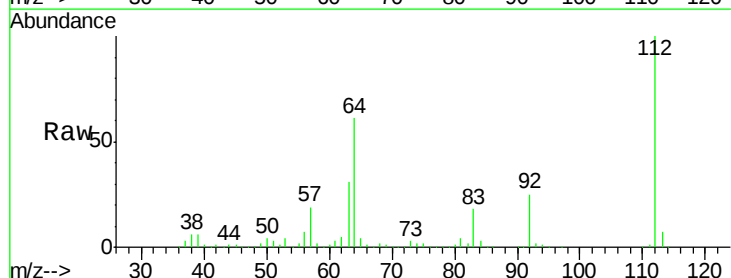


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

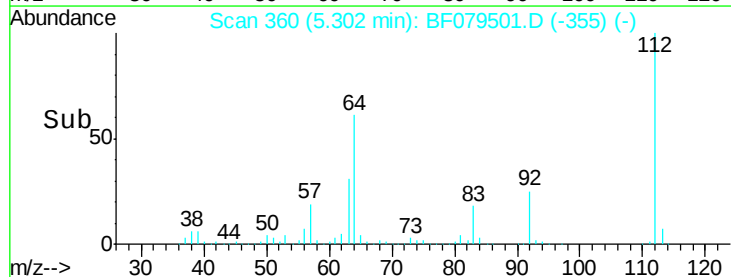
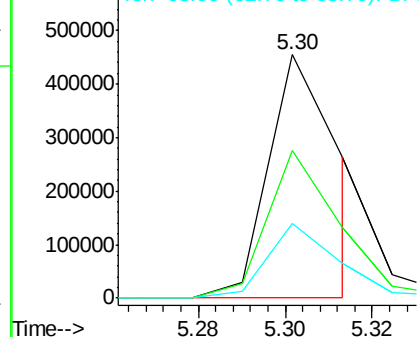


#5
 2-Fluorophenol
 Concen: 104.30 ng
 RT: 5.30 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: BF079501.D
 Acq: 27 May 2015 4:18

Tgt Ion:112 Resp: 512508
 Ion Ratio Lower Upper
 112 100
 64 60.7 43.5 65.3
 63 30.8 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: 121.72 ng

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

Instrument :

BNA_F

ClientSampleId :

SW-022

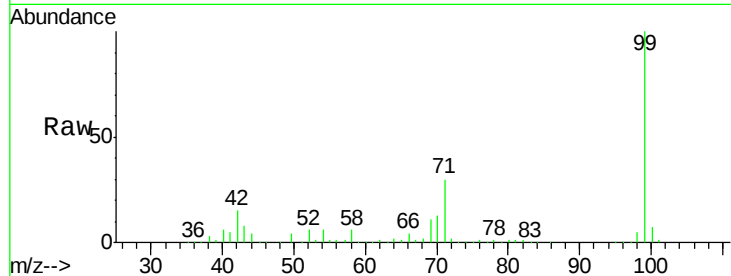
Tgt Ion: 99 Resp: 762365

Ion Ratio Lower Upper

99 100

42 15.5 11.9 17.9

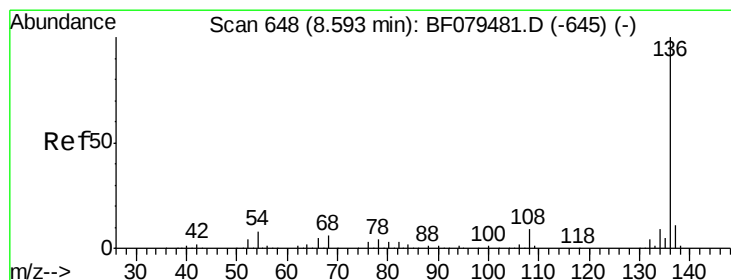
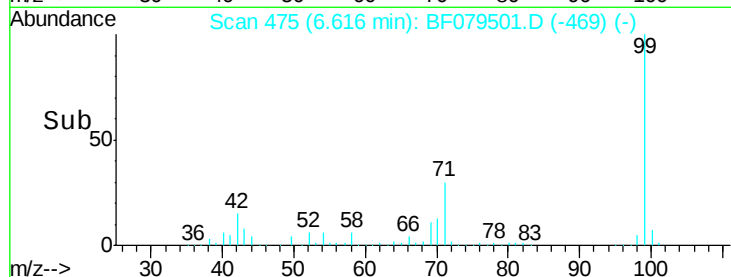
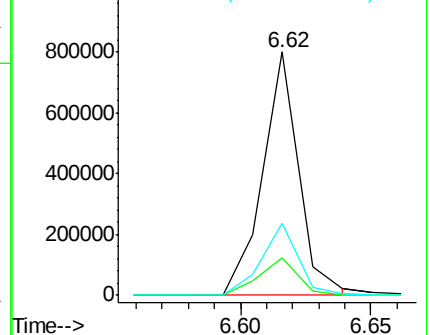
71 29.7 22.1 33.1



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: 8.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

Tgt Ion: 136 Resp: 355382

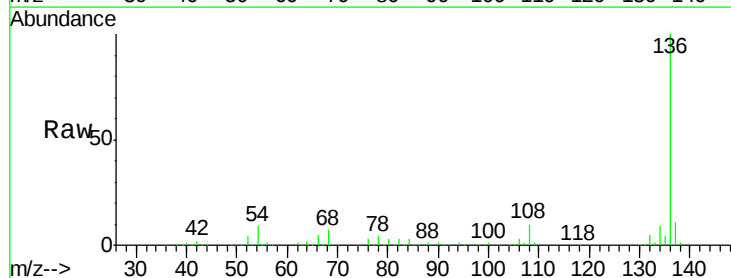
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 8.7 6.6 9.8

68 6.6 4.7 7.1

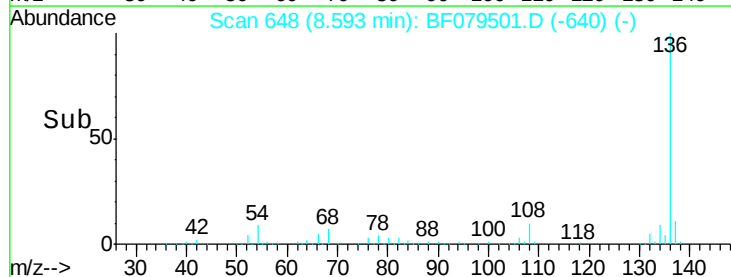
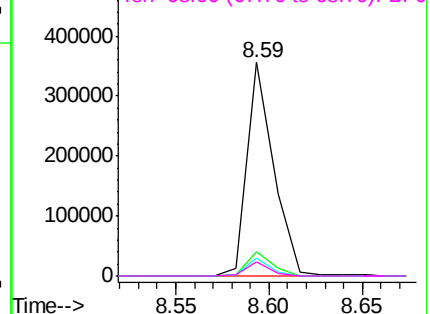


Abundance Ion 136.00 (135.70 to 136.70): E

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

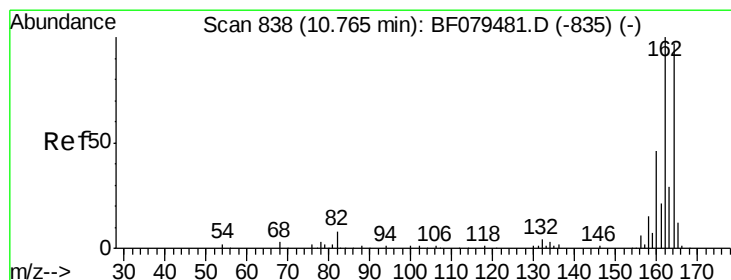
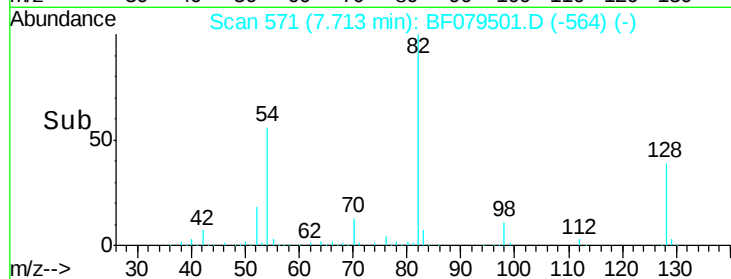
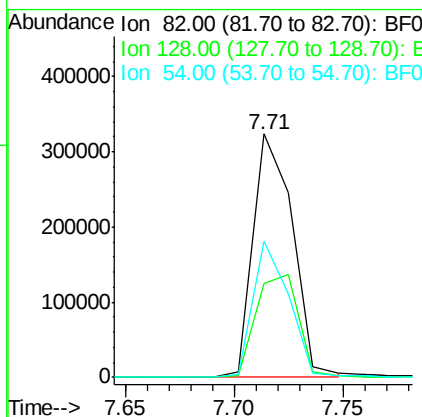
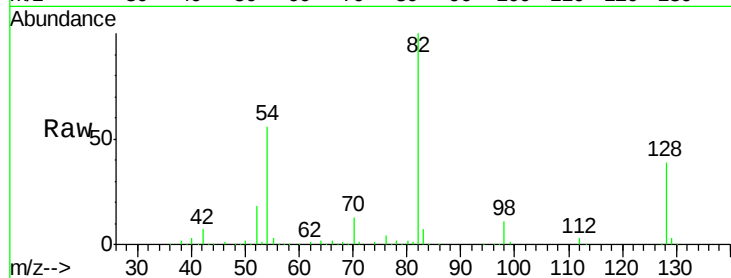




#23
 Nitrobenzene-d5
 Concen: 66.40 ng
 RT: 7.71 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: BF079501.D
 Acq: 27 May 2015 4:18

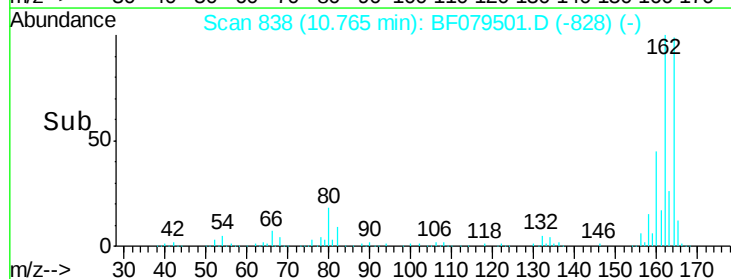
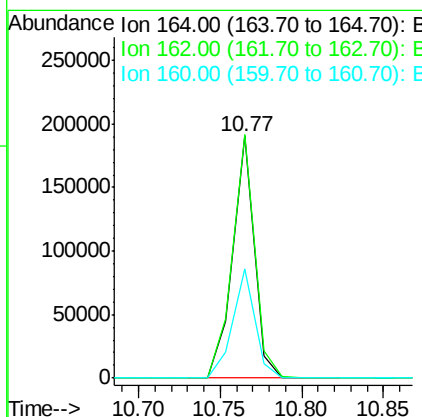
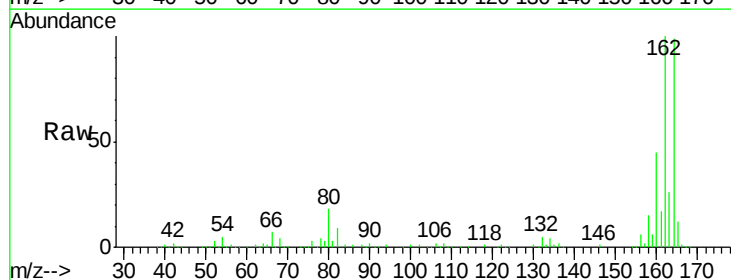
Instrument :
 BNA_F
 ClientSampleId :
 SW-022

Tgt Ion: 82 Resp: 408223
 Ion Ratio Lower Upper
 82 100
 128 38.5 30.8 46.2
 54 55.8 42.8 64.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.77 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BF079501.D
 Acq: 27 May 2015 4:18

Tgt Ion: 164 Resp: 174669
 Ion Ratio Lower Upper
 164 100
 162 100.5 82.6 124.0
 160 45.0 37.7 56.5

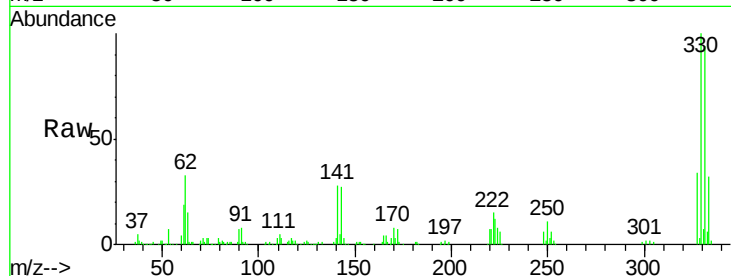




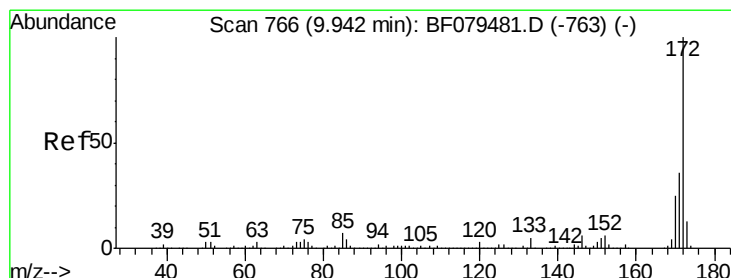
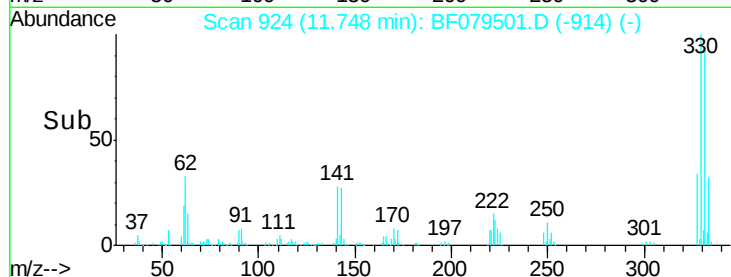
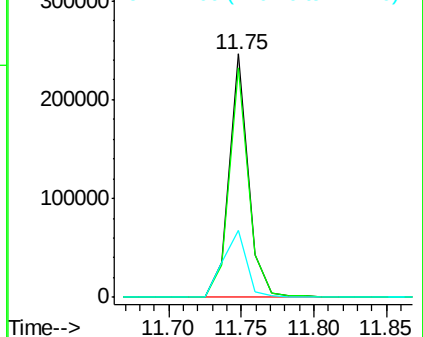
#41
 2,4,6-Tribromophenol
 Concen: 119.39 ng
 RT: 11.75 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF079501.D
 Acq: 27 May 2015 4:18

Instrument :
 BNA_F
 ClientSampleId :
 SW-022

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	0.0	0.0#
141	33.6	0.0	0.0#

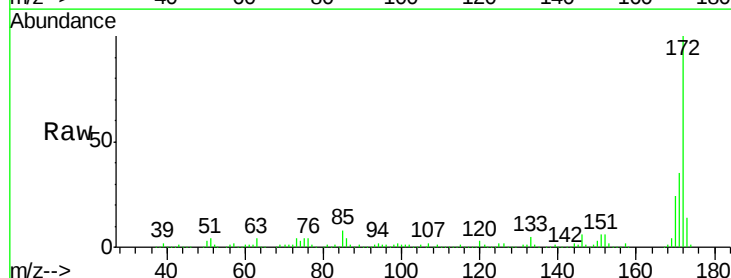


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

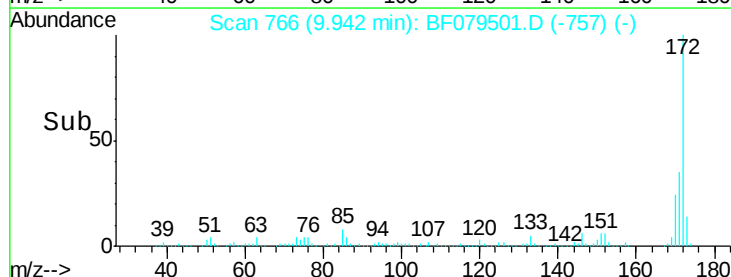
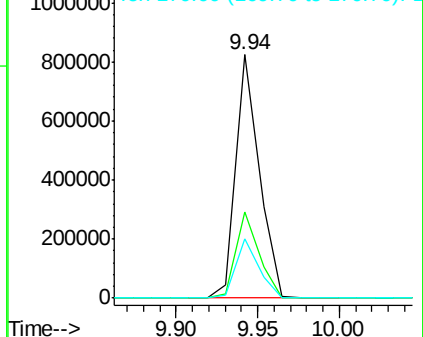


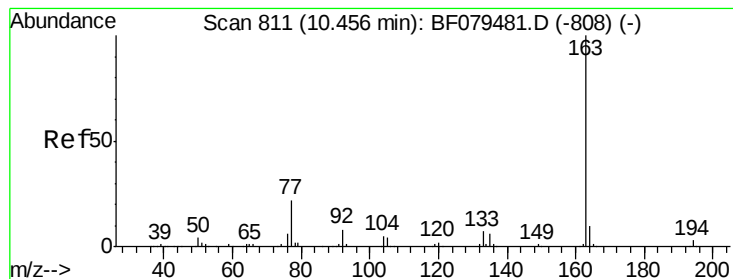
#44
 2-Fluorobiphenyl
 Concen: 66.58 ng
 RT: 9.94 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BF079501.D
 Acq: 27 May 2015 4:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	24.3	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: 6.67 ng

RT: 10.46 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

Instrument :

BNA_F

ClientSampleId :

SW-022

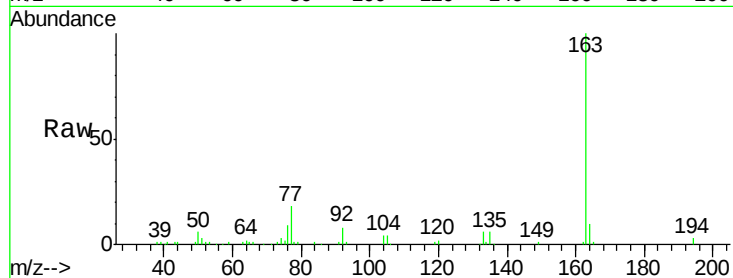
Tgt Ion:163 Resp: 85869

Ion Ratio Lower Upper

163 100

194 2.9 2.4 3.6

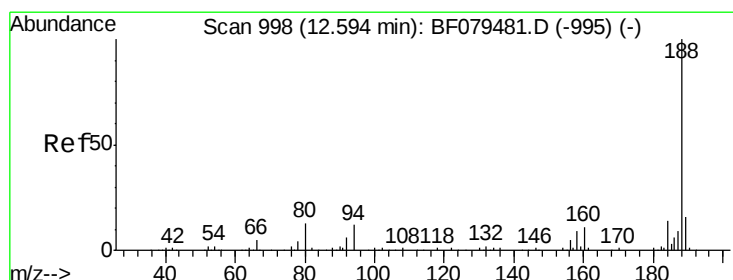
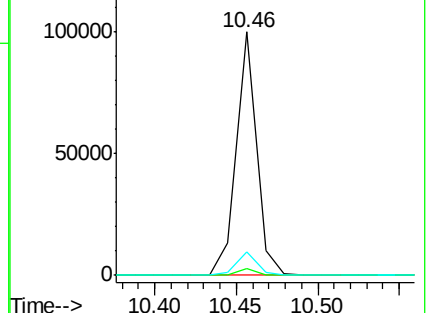
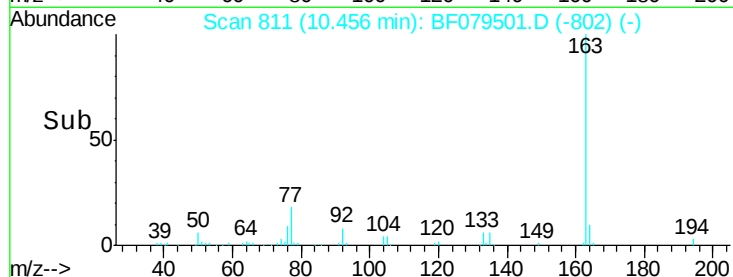
164 9.9 8.2 12.4



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: 12.61 min Scan# 999

Delta R.T. 0.01 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

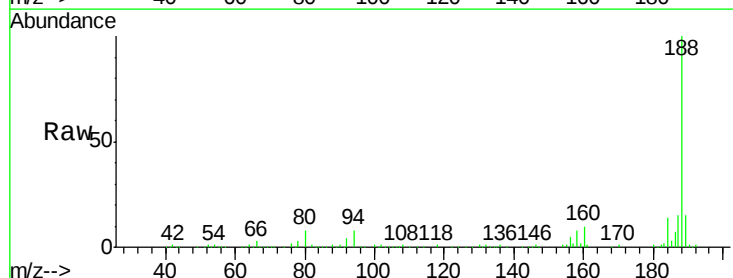
Tgt Ion:188 Resp: 336274

Ion Ratio Lower Upper

188 100

94 8.2 9.8 14.6#

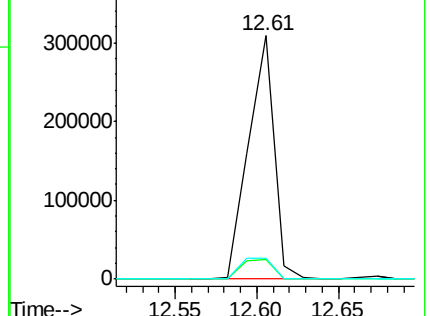
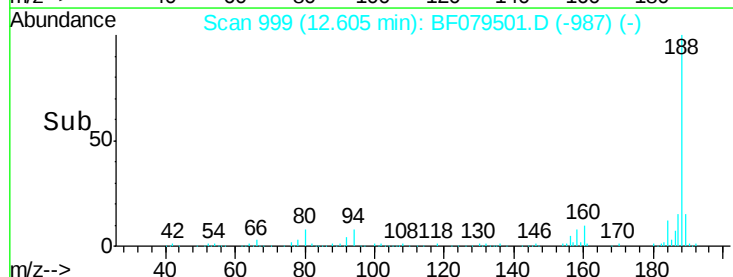
80 8.4 10.5 15.7#

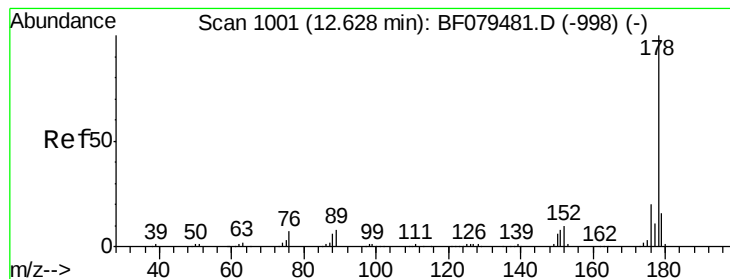


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 8.80 ng

RT: 12.63 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

Instrument :

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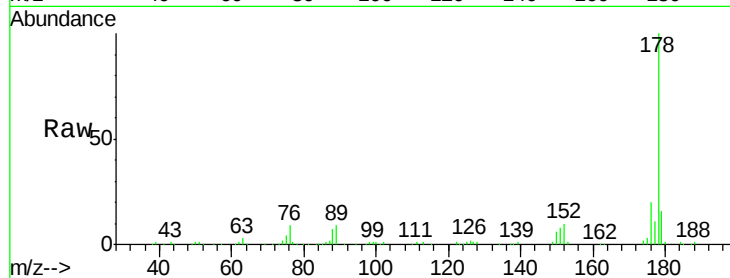
Tgt Ion:178 Resp: 162324

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

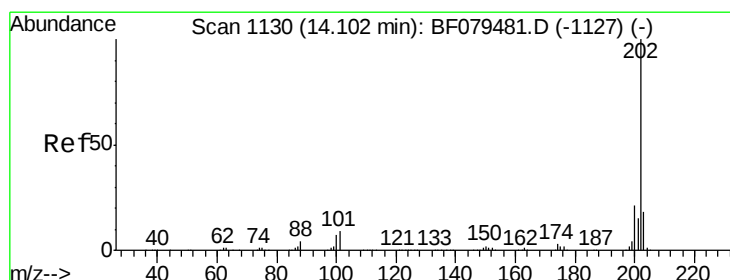
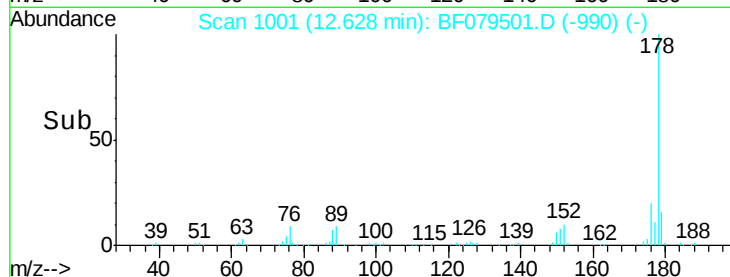
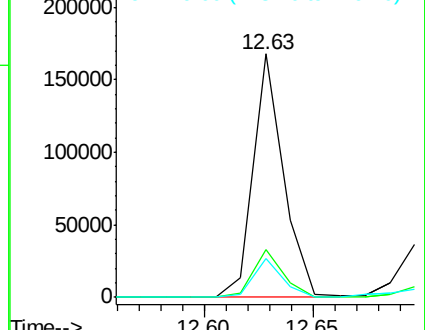
179 15.8 12.4 18.6



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



#74

Fluoranthene

Concen: 10.99 ng

RT: 14.10 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

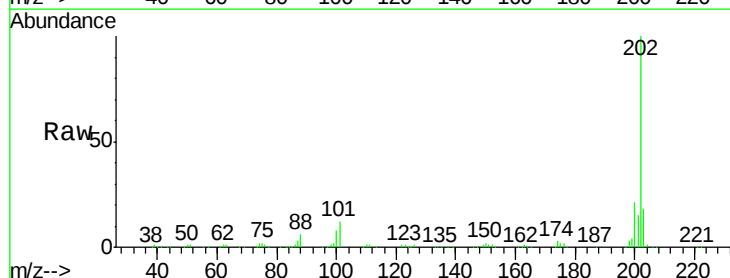
Tgt Ion:202 Resp: 217506

Ion Ratio Lower Upper

202 100

101 12.4 0.0 29.3

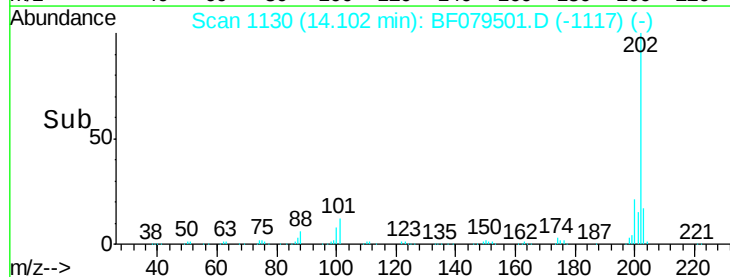
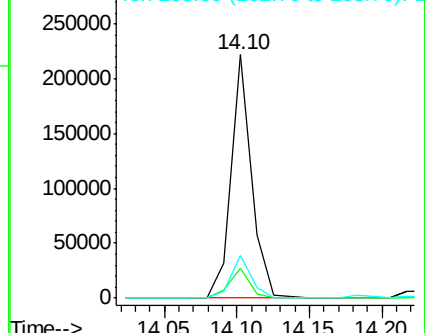
203 17.6 0.0 37.6

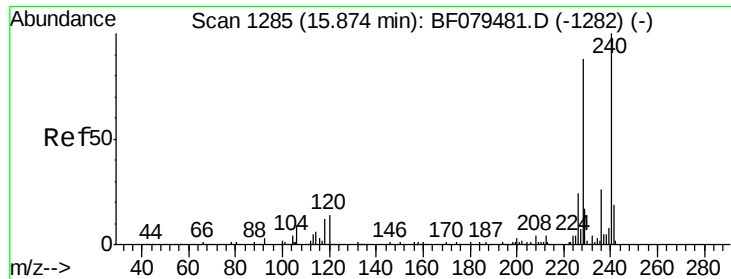


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.89 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

Instrument :

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SW-022

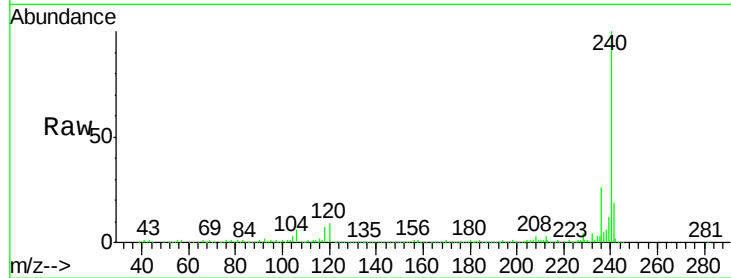
Tgt Ion:240 Resp: 361626

Ion Ratio Lower Upper

240 100

120 9.0 10.8 16.2#

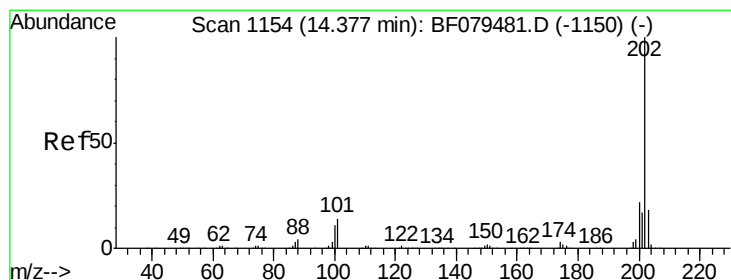
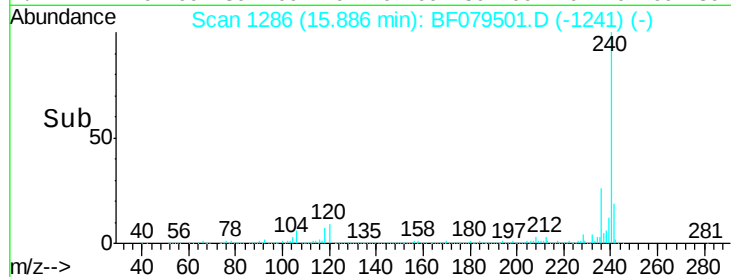
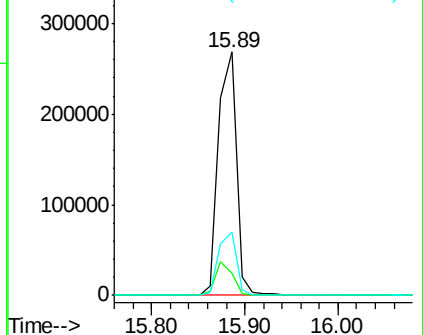
236 26.2 21.0 31.6



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: 8.55 ng

RT: 14.38 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

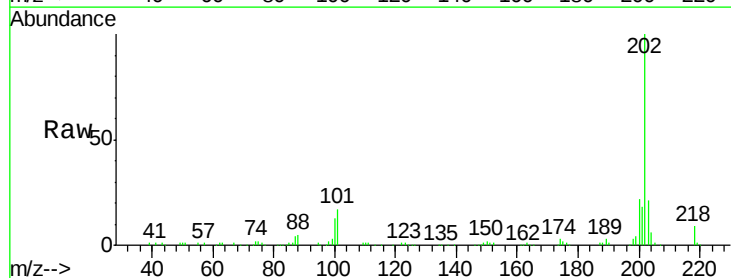
Tgt Ion:202 Resp: 191514

Ion Ratio Lower Upper

202 100

200 21.5 17.5 26.3

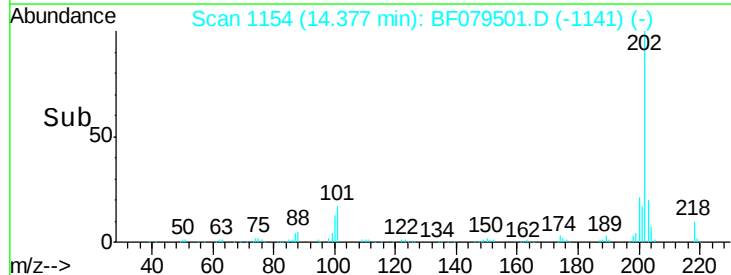
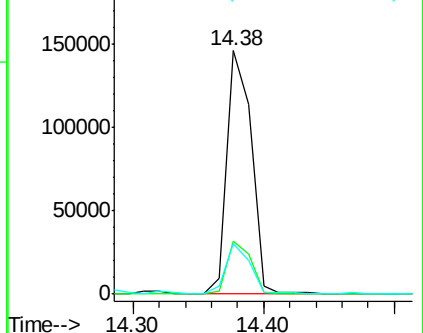
203 20.7 14.4 21.6

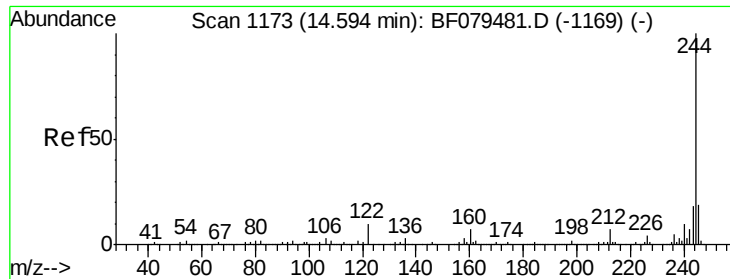


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

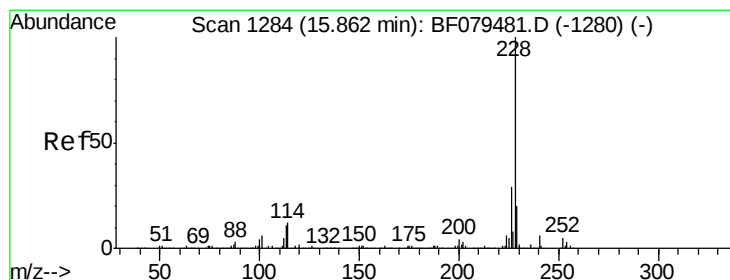
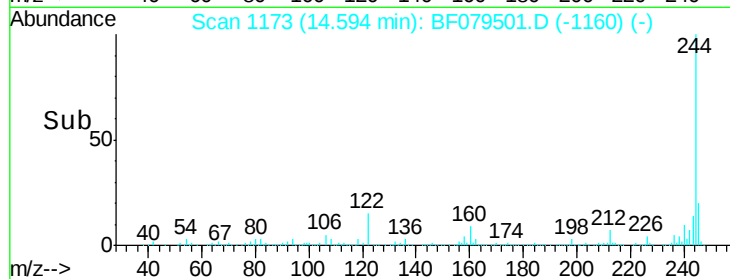
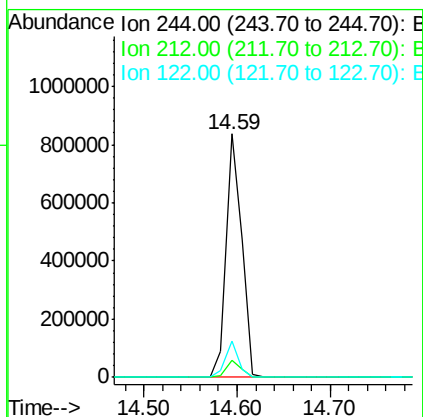
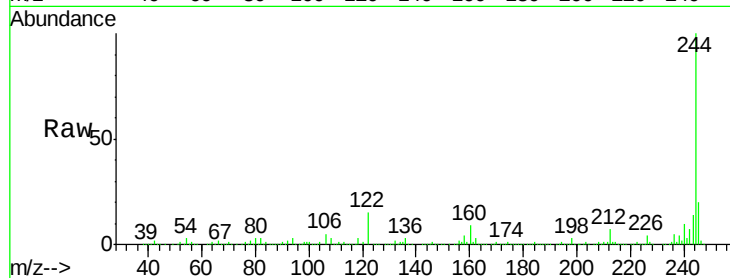




#78
 Terphenyl-d14
 Concen: 63.06 ng
 RT: 14.59 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BF079501.D
 Acq: 27 May 2015 4:18

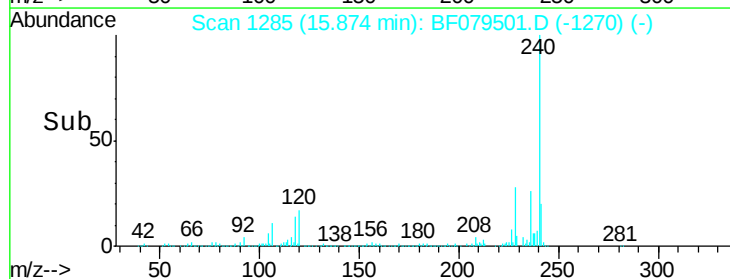
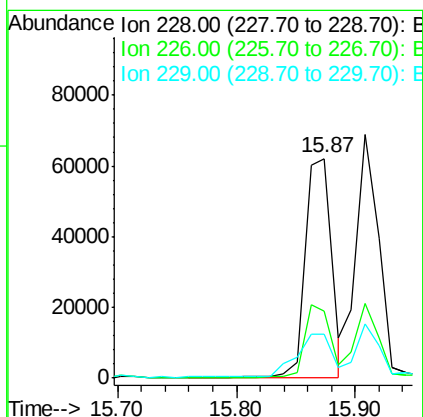
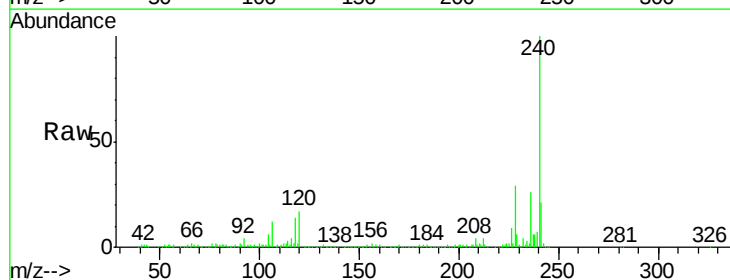
Instrument :
 BNA_F
 ClientSampleId :
 SW-022

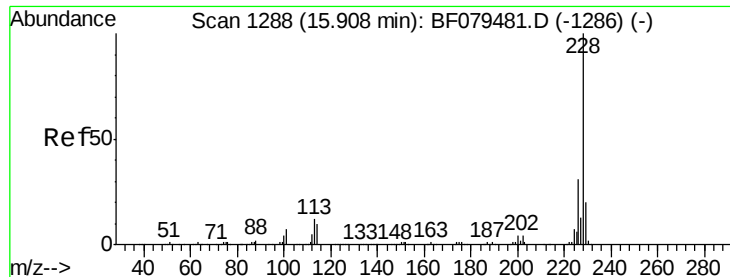
Tgt Ion:244 Resp: 971703
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.2 7.8
 122 15.0 8.0 12.0#



#80
 Benzo(a)anthracene
 Concen: 4.64 ng
 RT: 15.87 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: BF079501.D
 Acq: 27 May 2015 4:18

Tgt Ion:228 Resp: 96613
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.8 34.2
 229 20.0 15.9 23.9





#82

Chrysene

Concen: 4.54 ng

RT: 15.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

Instrument :

BNA_F

ClientSampleId :

SW-022

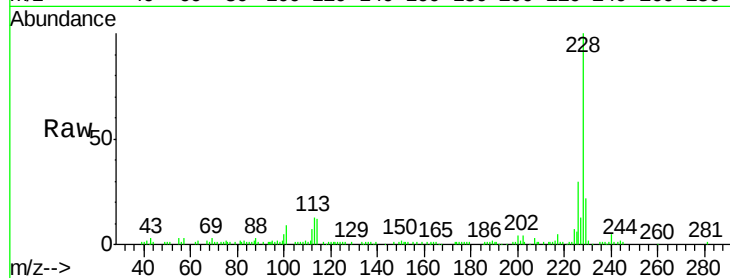
Tgt Ion:228 Resp: 89777

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.4

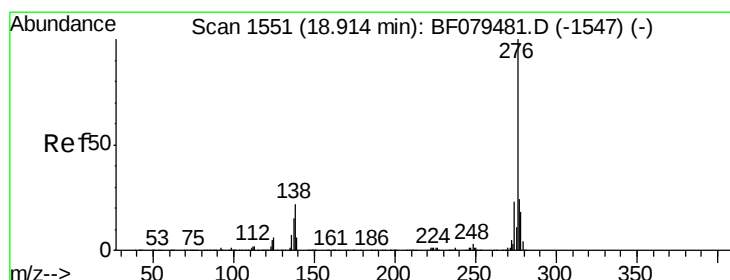
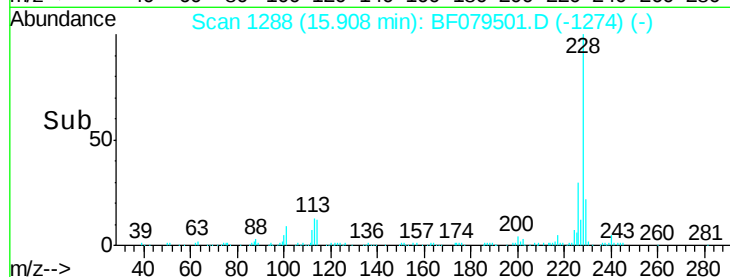
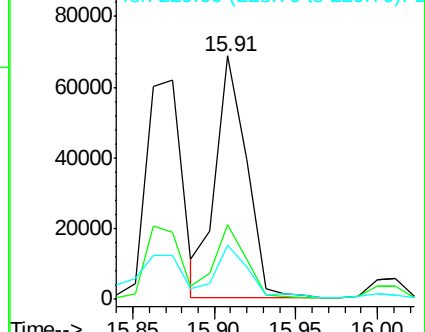
229 22.1 15.9 23.9



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: 2.29 ng

RT: 18.91 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

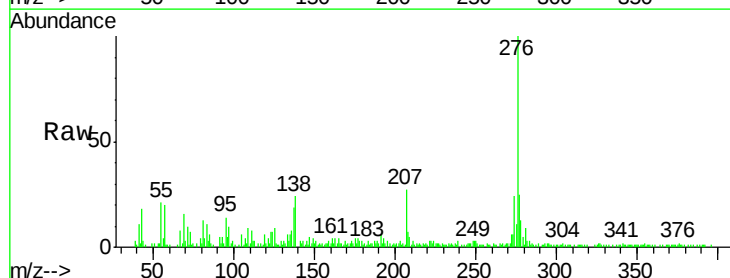
Tgt Ion:276 Resp: 58346

Ion Ratio Lower Upper

276 100

138 26.7 21.4 32.2

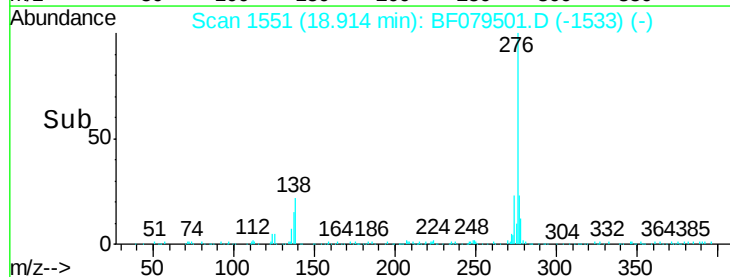
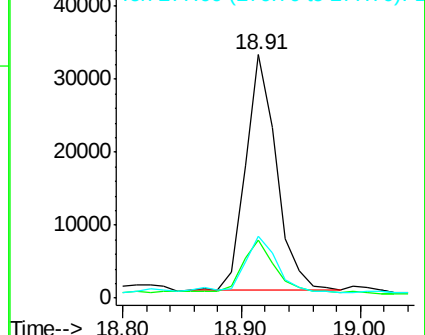
277 26.1 19.8 29.6

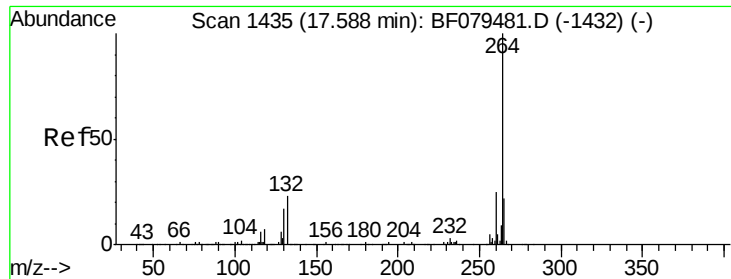


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

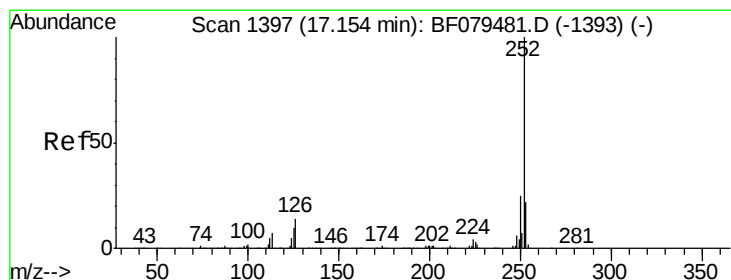
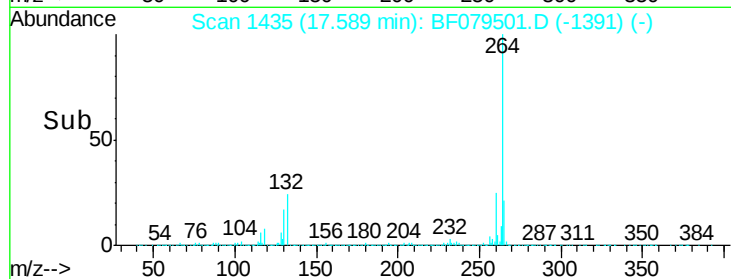
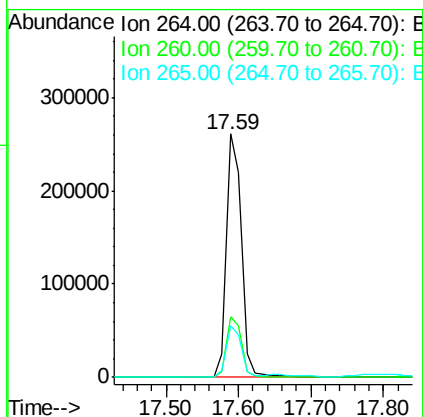
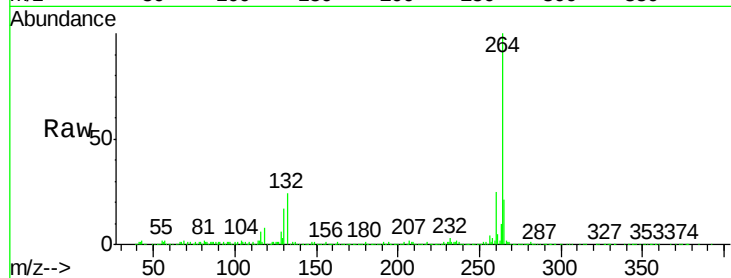




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.59 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BF079501.D
Acq: 27 May 2015 4:18

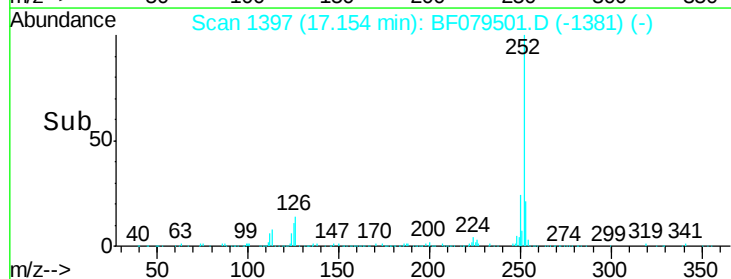
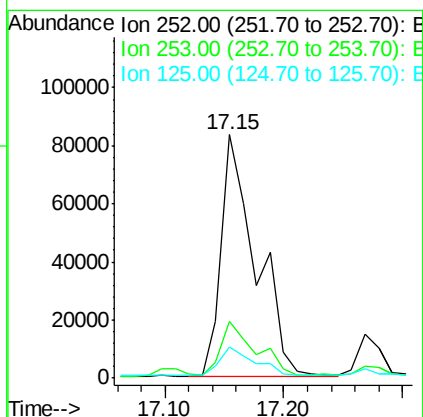
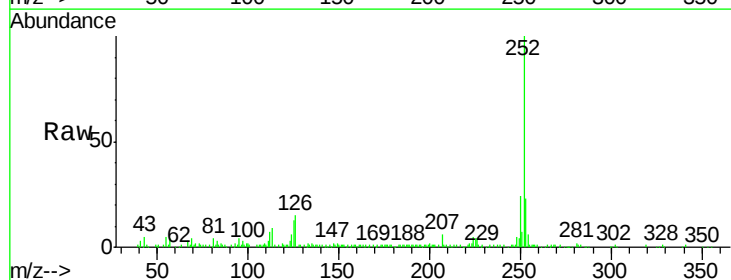
Instrument :
BNA_F
ClientSampleId :
SW-022

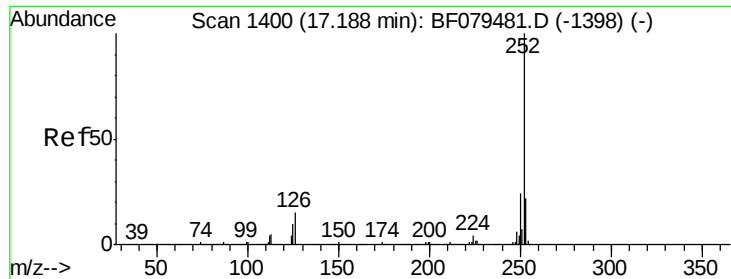
Tgt Ion: 264 Resp: 377976
Ion Ratio Lower Upper
264 100
260 24.7 19.8 29.8
265 21.4 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 7.95 ng
RT: 17.15 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF079501.D
Acq: 27 May 2015 4:18

Tgt Ion: 252 Resp: 171339
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 12.6 7.8 11.6#





#88

Benzo(k)fluoranthene

Concen: 8.89 ng

RT: 17.15 min Scan# 1397

Delta R.T. -0.03 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

Instrument :

BNA_F

ClientSampleId :

SW-022

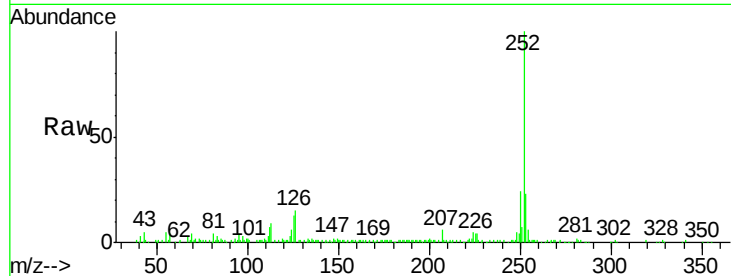
Tgt Ion:252 Resp: 171339

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

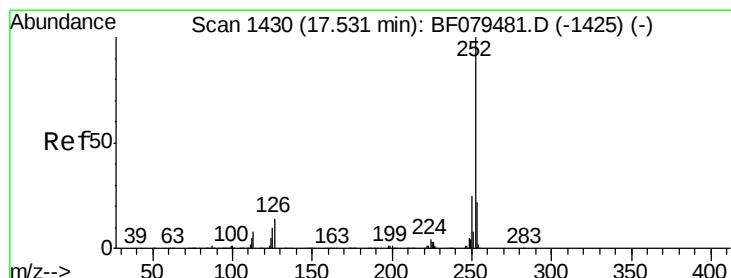
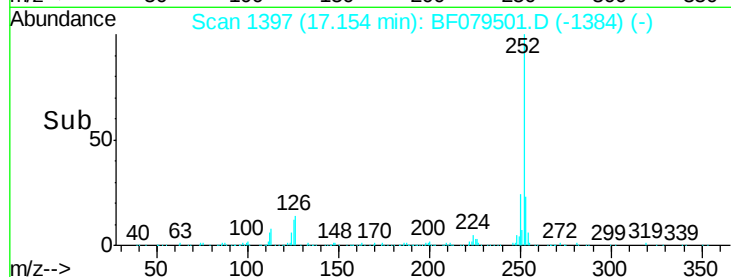
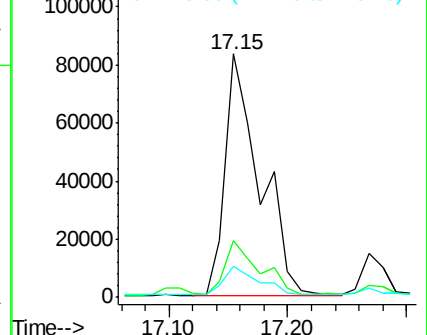
125 12.6 6.8 10.2#



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



#89

Benzo(a)pyrene

Concen: 2.97 ng

RT: 17.53 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BF079501.D

Acq: 27 May 2015 4:18

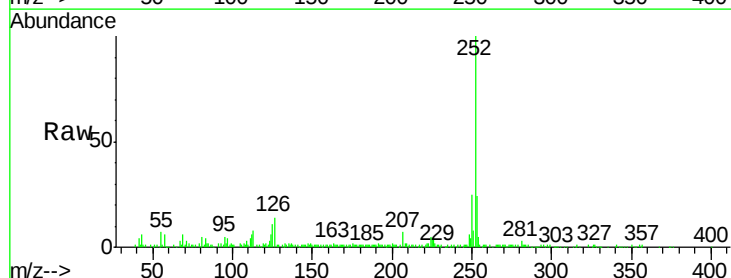
Tgt Ion:252 Resp: 90134

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 11.2 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

