

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052615\
 Data File : BF079494.D
 Acq On : 27 May 2015 00:58
 Operator : TP/IZ
 Sample : G2289-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-31S

Quant Time: May 27 02:19:12 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

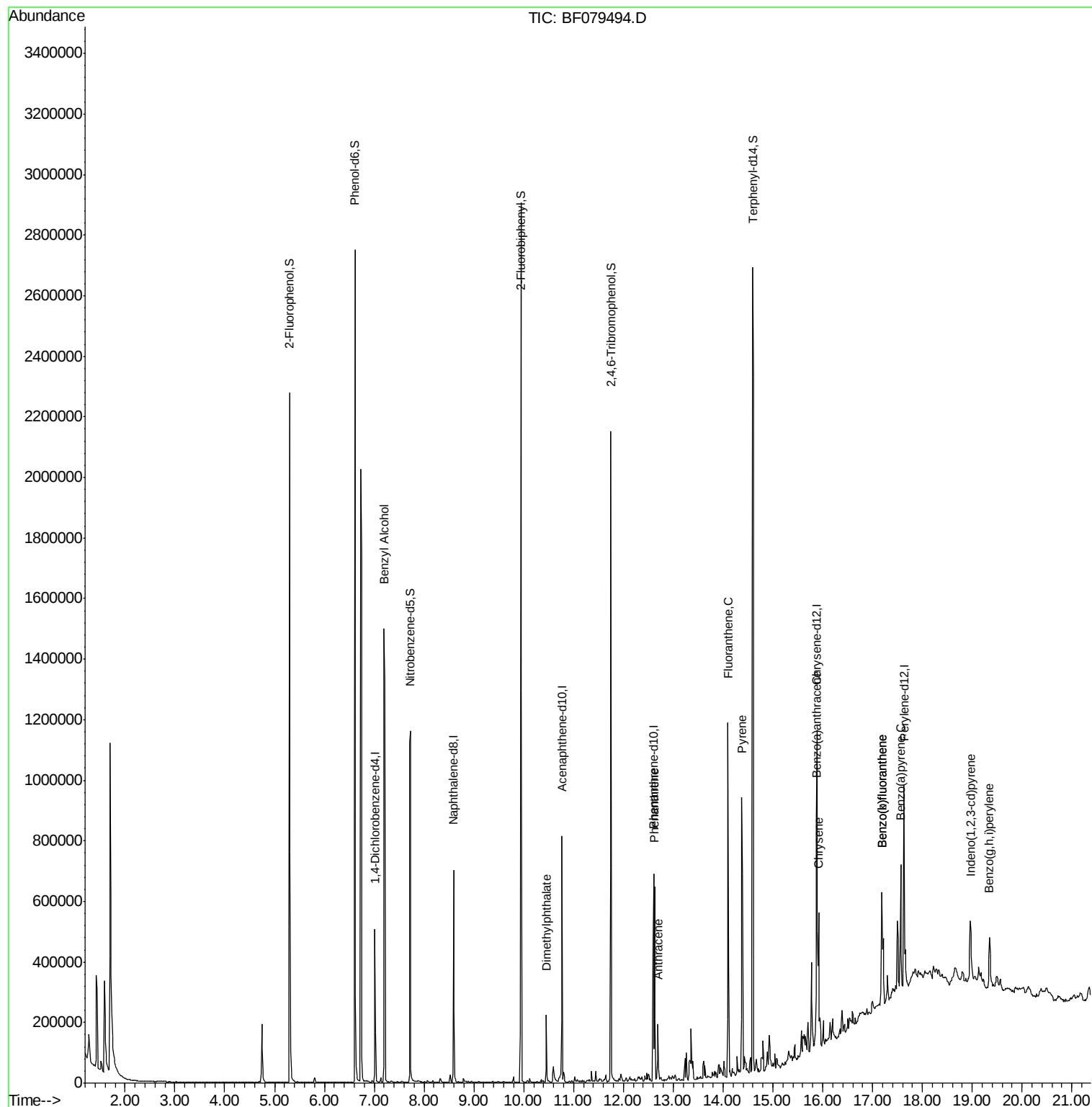
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	80155	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	331902	20.00	ng	0.00
38) Acenaphthene-d10	10.77	164	166384	20.00	ng	0.00
63) Phenanthrene-d10	12.61	188	322968	20.00	ng	0.01
75) Chrysene-d12	15.89	240	355122	20.00	ng	0.01
86) Perylene-d12	17.63	264	376387	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	721694	156.17	ng	0.00
7) Phenol-d6	6.62	99	1000724	169.89	ng	0.00
23) Nitrobenzene-d5	7.72	82	560187	97.57	ng	0.01
41) 2,4,6-Tribromophenol	11.75	330	293745	160.73	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	1035997	88.83	ng	0.00
78) Terphenyl-d14	14.59	244	1295535	85.62	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.20	79	9856	2.28	ng	# 41
49) Dimethylphthalate	10.46	163	89670	7.31	ng	99
70) Phenanthrene	12.63	178	264473	14.93	ng	100
71) Anthracene	12.70	178	82717	4.60	ng	99
73) Di-n-butylphthalate	13.36	149	5862	Below Cal	#	77
74) Fluoranthene	14.10	202	513277	27.01	ng	96
77) Pyrene	14.38	202	465397	21.15	ng	# 95
80) Benzo(a)anthracene	15.87	228	260267	12.74	ng	98
82) Chrysene	15.92	228	192074	9.89	ng	98
85) Indeno(1,2,3-cd)pyrene	18.96	276	134635	5.39	ng	96
87) Benzo(b)fluoranthene	17.19	252	359460	16.75	ng	98
88) Benzo(k)fluoranthene	17.19	252	359460	18.73	ng	# 96
89) Benzo(a)pyrene	17.57	252	204068	9.32	ng	98
91) Benzo(g,h,i)perylene	19.35	276	124942	3.69	ng	98

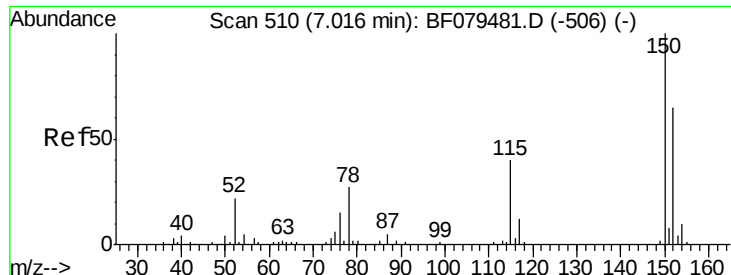
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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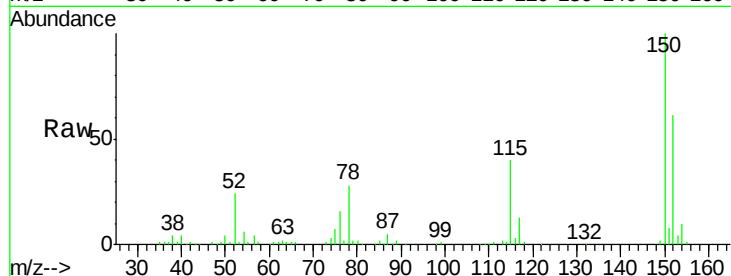




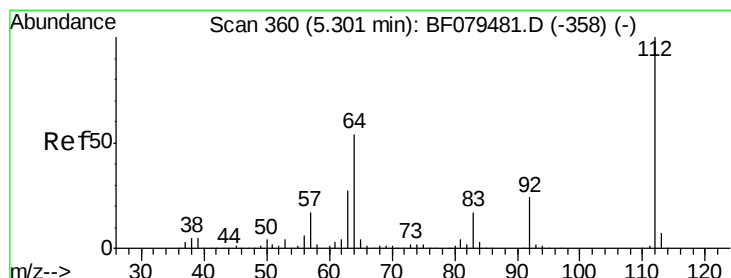
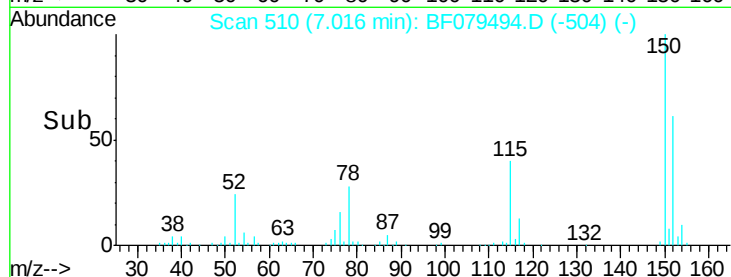
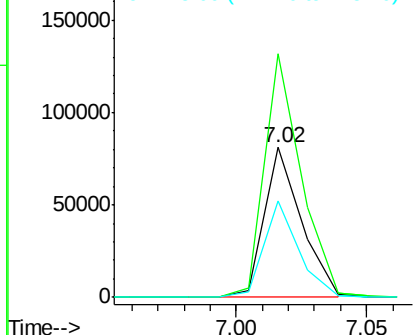
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.02 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: BF079494.D
 Acq: 27 May 2015 00:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-31S

Tgt Ion:152 Resp: 80155
 Ion Ratio Lower Upper
 152 100
 150 162.8 124.0 186.0
 115 64.4 49.6 74.4

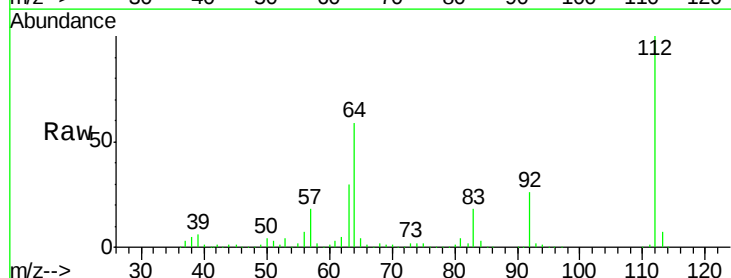


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

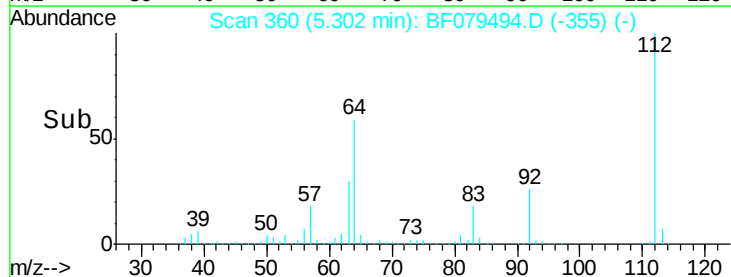
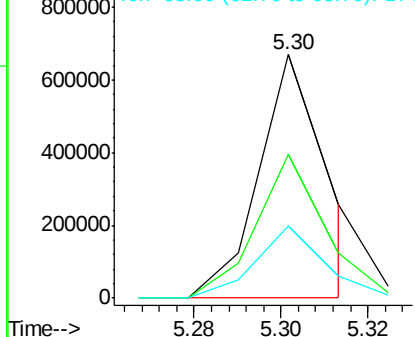


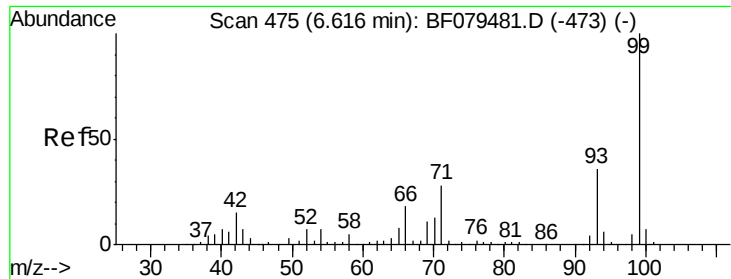
#5
 2-Fluorophenol
 Concen: 156.17 ng
 RT: 5.30 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: BF079494.D
 Acq: 27 May 2015 00:58

Tgt Ion:112 Resp: 721694
 Ion Ratio Lower Upper
 112 100
 64 59.0 43.5 65.3
 63 29.5 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: 169.89 ng

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079494.D

Acq: 27 May 2015 00:58

Instrument :

BNA_F

ClientSampleId :

SB-31S

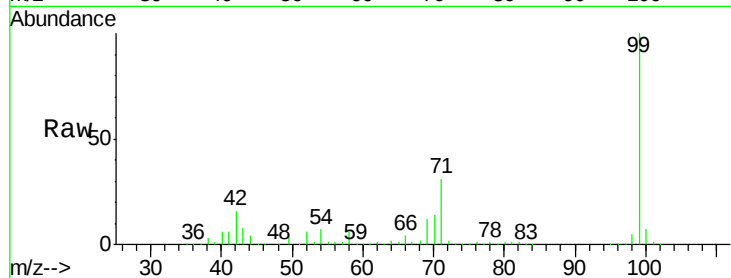
Tgt Ion: 99 Resp: 1000724

Ion Ratio Lower Upper

99 100

42 16.5 11.9 17.9

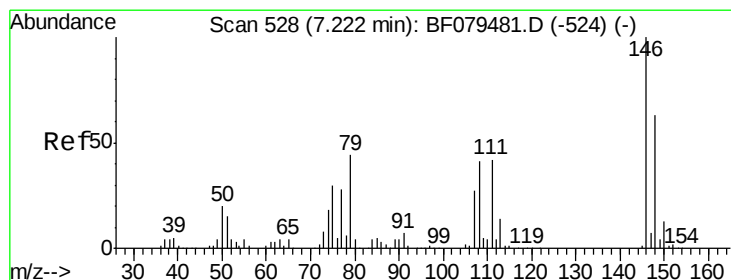
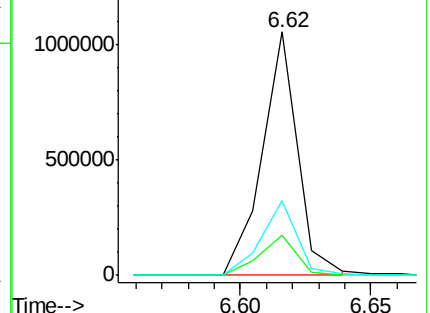
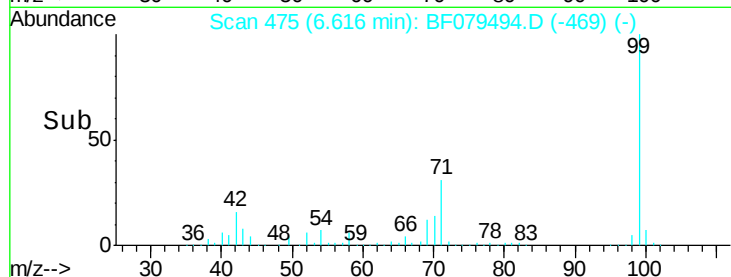
71 30.8 22.1 33.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.28 ng

RT: 7.20 min Scan# 526

Delta R.T. -0.02 min

Lab File: BF079494.D

Acq: 27 May 2015 00:58

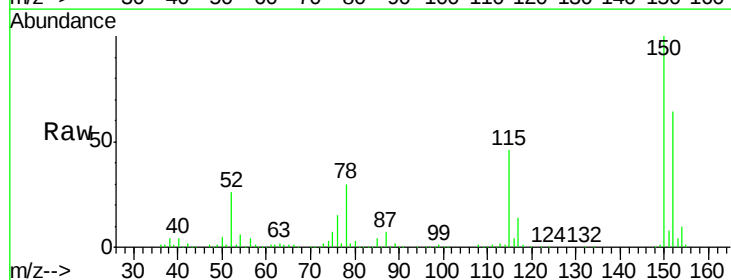
Tgt Ion: 79 Resp: 9856

Ion Ratio Lower Upper

79 100

108 24.2 73.7 110.5#

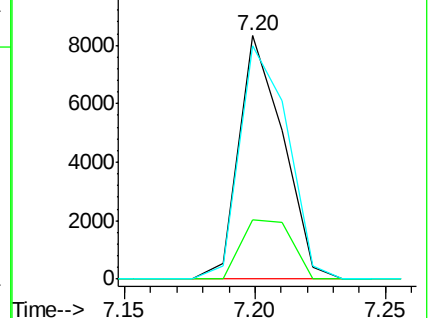
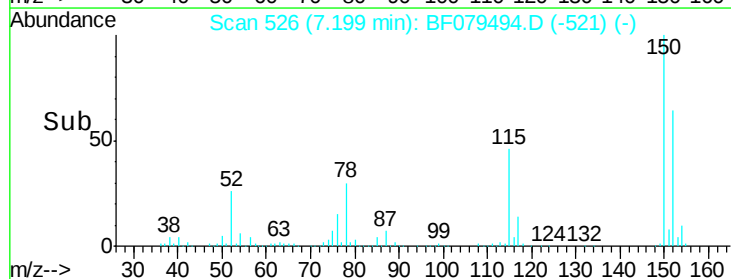
77 95.9 51.1 76.7#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

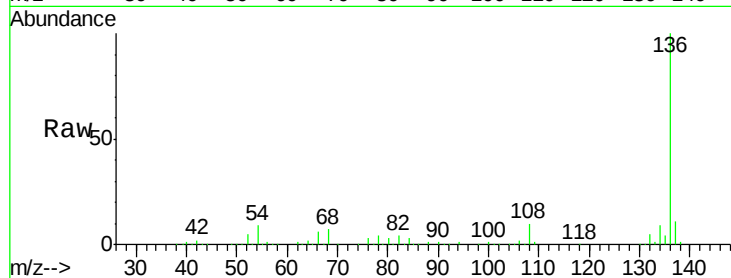




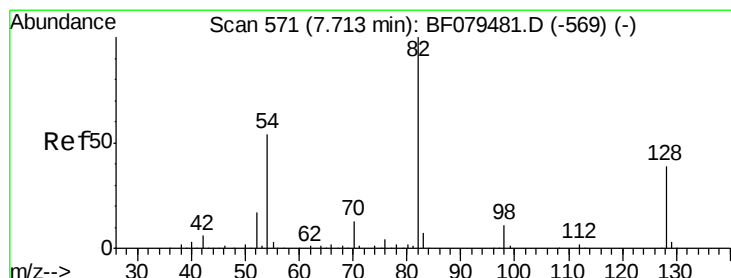
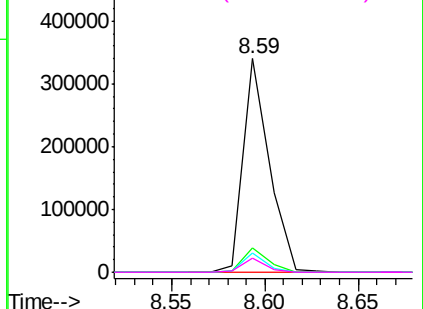
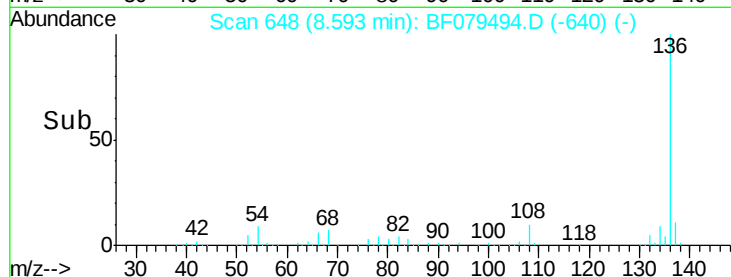
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.59 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Instrument :
BNA_F
ClientSampleId :
SB-31S

Tgt Ion:	136	Resp:	331902
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	9.1	6.6	9.8
68	6.8	4.7	7.1

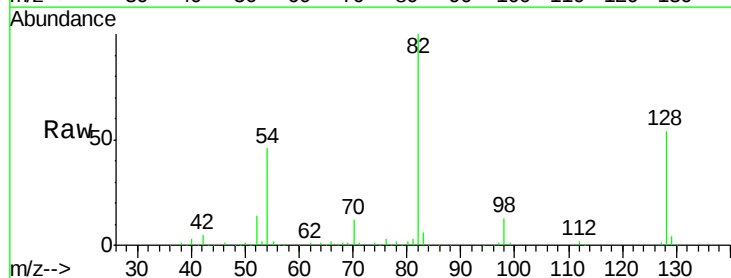


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

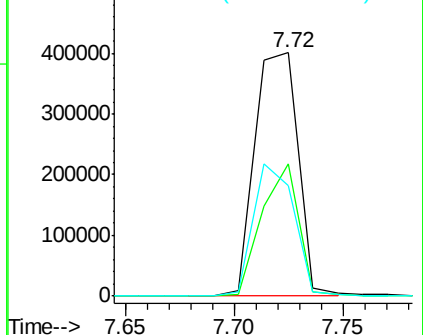
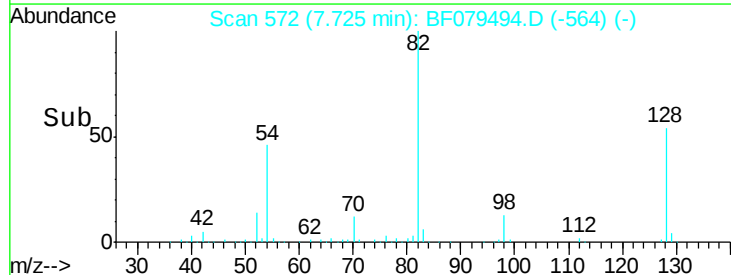


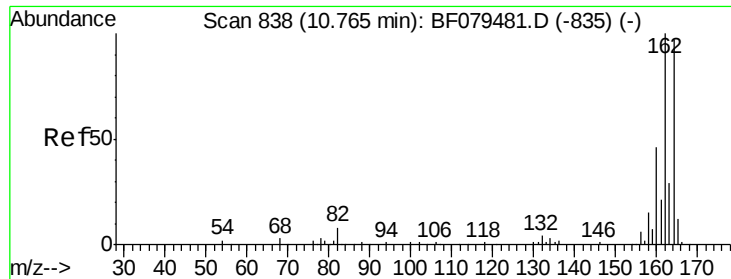
#23
Nitrobenzene-d5
Concen: 97.57 ng
RT: 7.72 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:	82	Resp:	560187
Ion	Ratio	Lower	Upper
82	100		
128	54.3	30.8	46.2#
54	45.6	42.8	64.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

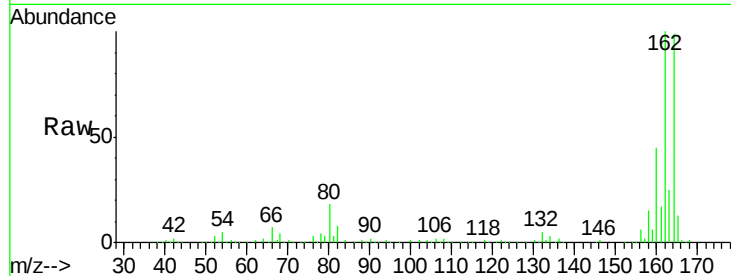




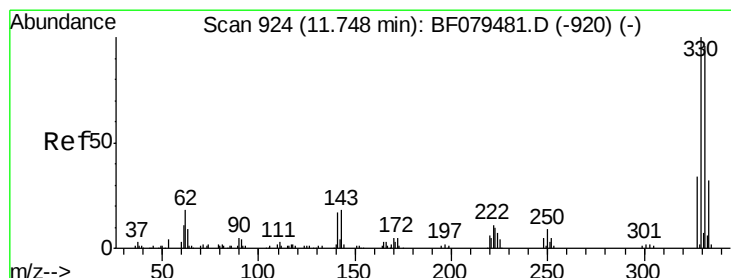
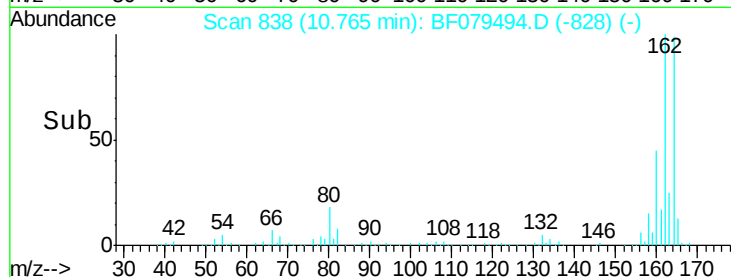
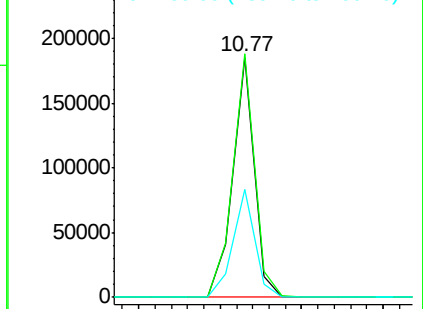
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.77 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BF079494.D
 Acq: 27 May 2015 00:58

Instrument :
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 ClientSampleId :
 SB-31S

Tgt Ion:164 Resp: 166384
 Ion Ratio Lower Upper
 164 100
 162 101.5 82.6 124.0
 160 45.2 37.7 56.5

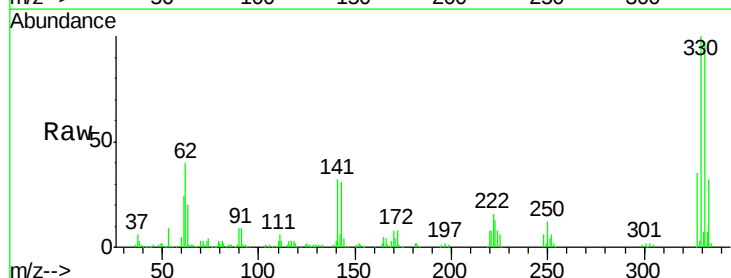


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

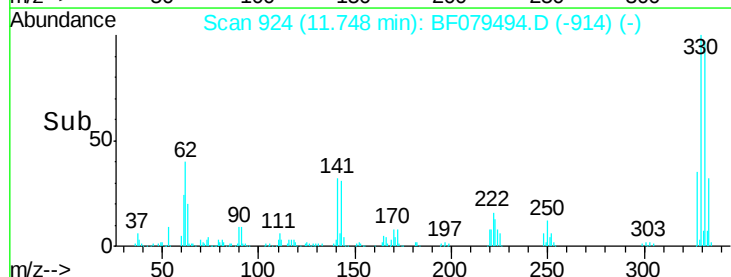
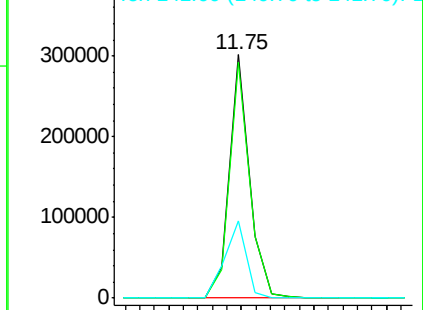


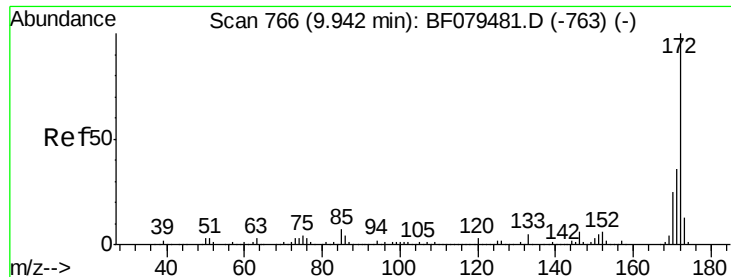
#41
 2,4,6-Tribromophenol
 Concen: 160.73 ng
 RT: 11.75 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF079494.D
 Acq: 27 May 2015 00:58

Tgt Ion:330 Resp: 293745
 Ion Ratio Lower Upper
 330 100
 332 96.9 0.0 0.0#
 141 34.3 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

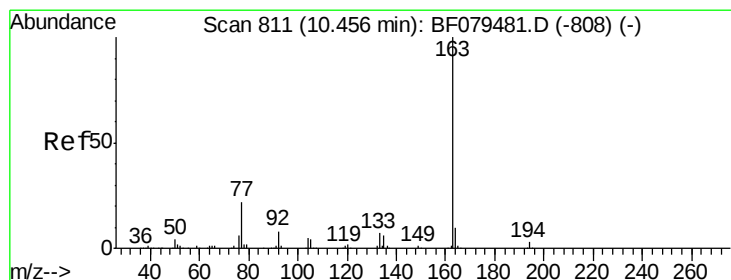
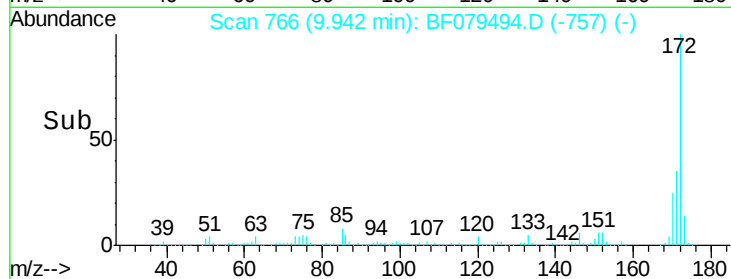
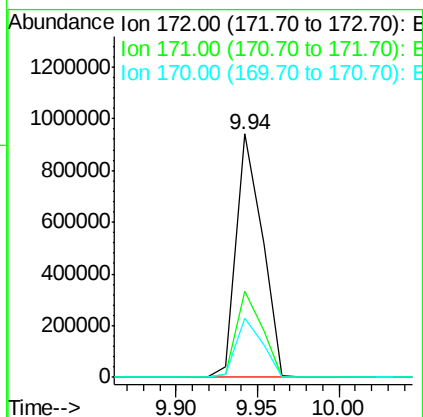
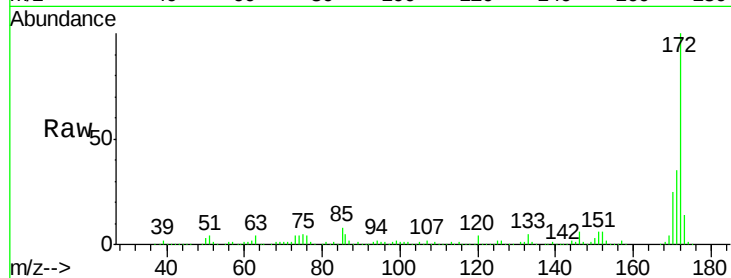




#44
2-Fluorobiphenyl
Concen: 88.83 ng
RT: 9.94 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

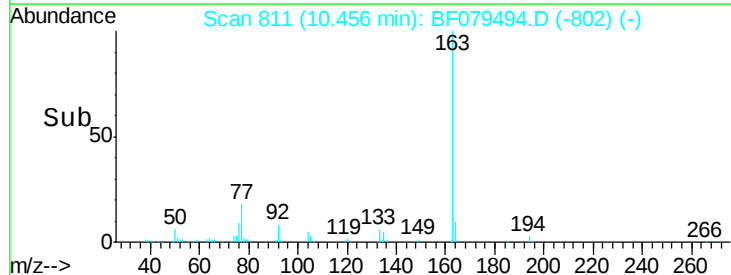
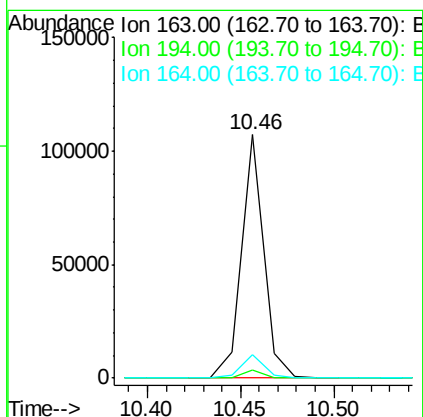
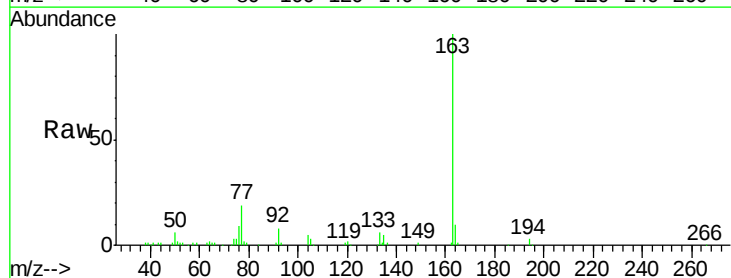
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BNA_F
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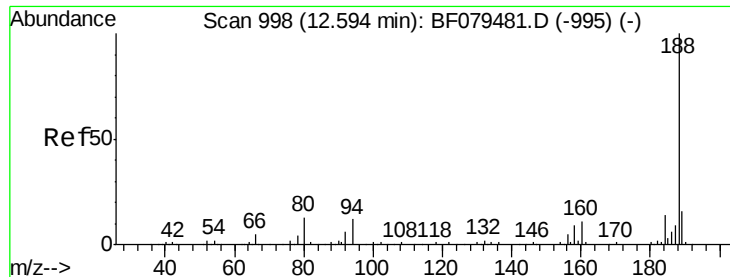
Tgt Ion:172 Resp: 1035997
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 24.5 19.7 29.5



#49
Dimethylphthalate
Concen: 7.31 ng
RT: 10.46 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion:163 Resp: 89670
Ion Ratio Lower Upper
163 100
194 3.1 2.4 3.6
164 9.8 8.2 12.4

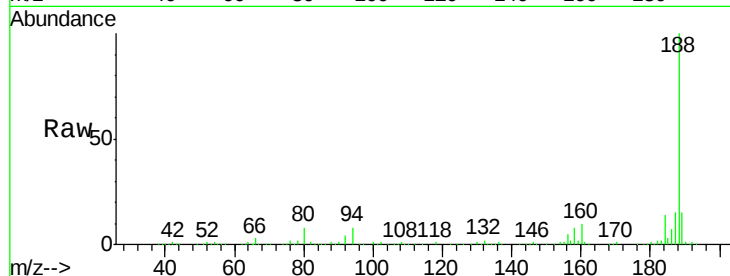




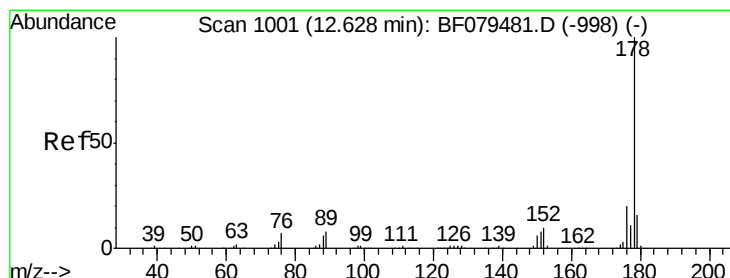
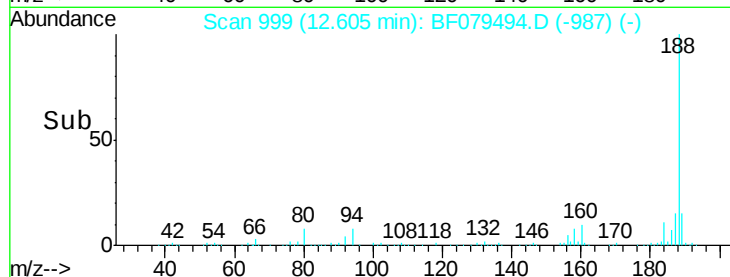
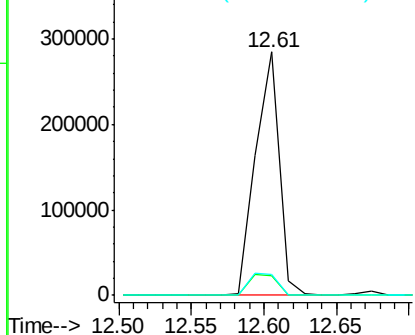
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: BF079494.D
 Acq: 27 May 2015 00:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-31S

Tgt Ion:188 Resp: 322968
 Ion Ratio Lower Upper
 188 100
 94 8.0 9.8 14.6#
 80 8.4 10.5 15.7#

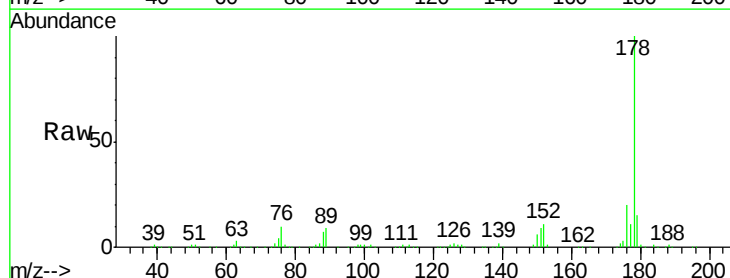


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

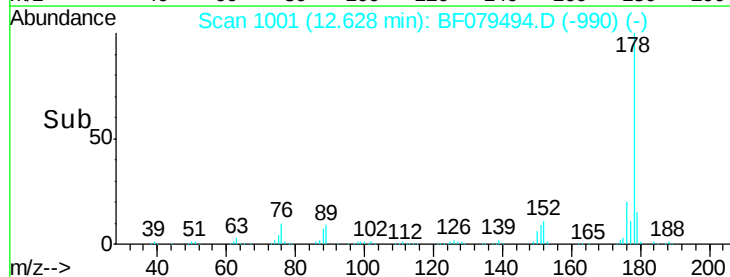
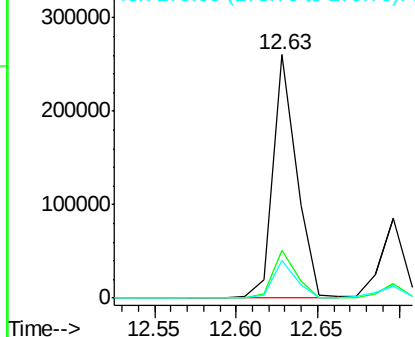


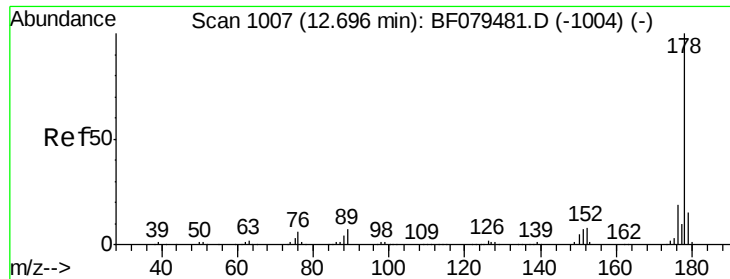
#70
 Phenanthrene
 Concen: 14.93 ng
 RT: 12.63 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BF079494.D
 Acq: 27 May 2015 00:58

Tgt Ion:178 Resp: 264473
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.7 23.5
 179 15.4 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

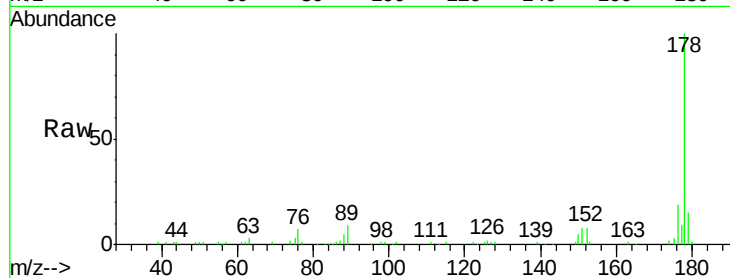




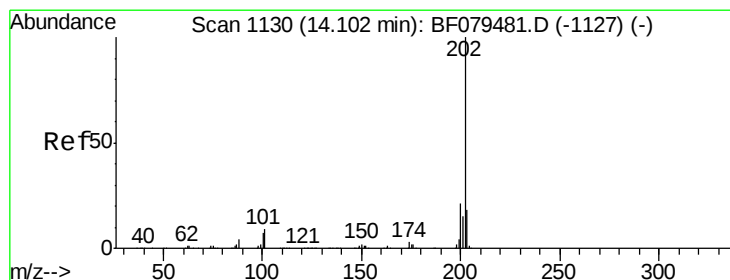
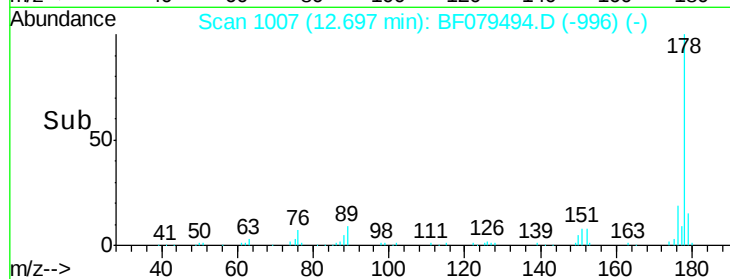
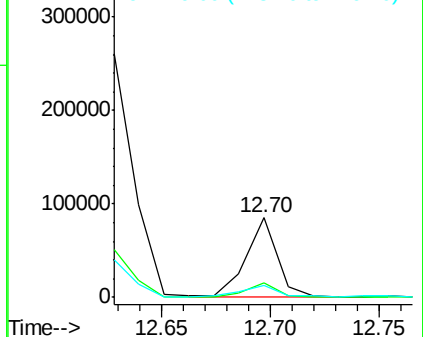
#71
 Anthracene
 Concen: 4.60 ng
 RT: 12.70 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: BF079494.D
 Acq: 27 May 2015 00:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-31S

Tgt Ion:178 Resp: 82717
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 14.9 12.2 18.4

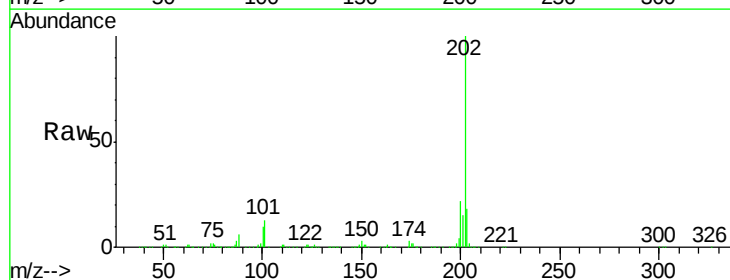


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

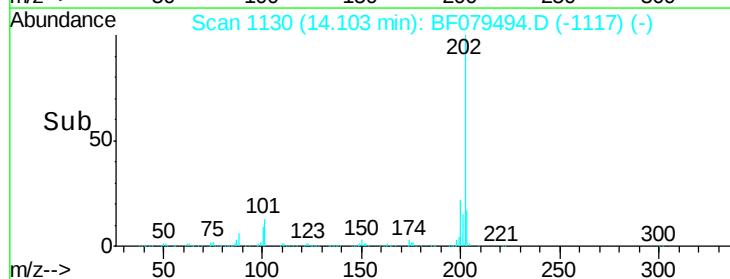
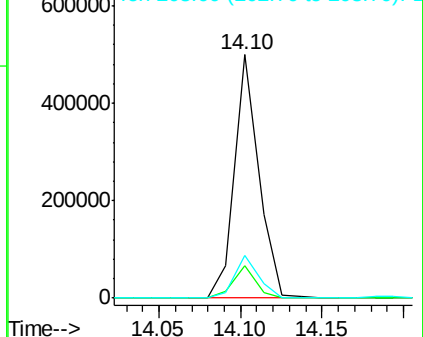


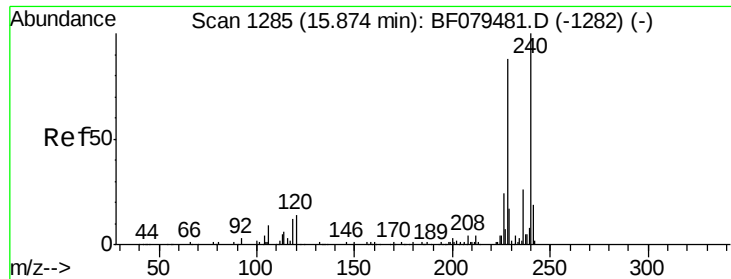
#74
 Fluoranthene
 Concen: 27.01 ng
 RT: 14.10 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: BF079494.D
 Acq: 27 May 2015 00:58

Tgt Ion:202 Resp: 513277
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 29.3
 203 17.7 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: BF079494.D

Acq: 27 May 2015 00:58

Instrument :

BNA_F

ClientSampleId :

SB-31S

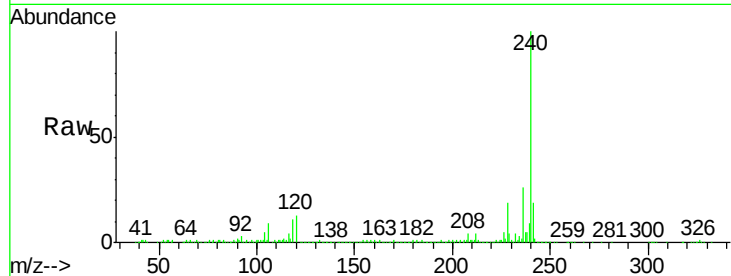
Tgt Ion:240 Resp: 355122

Ion Ratio Lower Upper

240 100

120 13.0 10.8 16.2

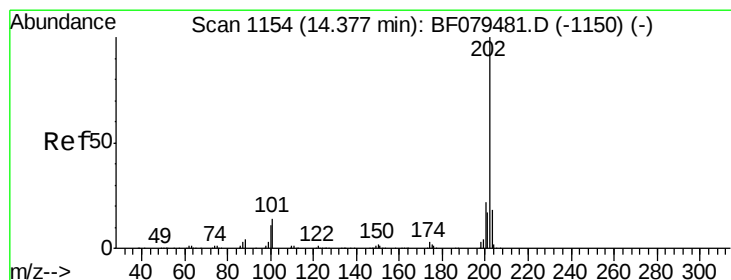
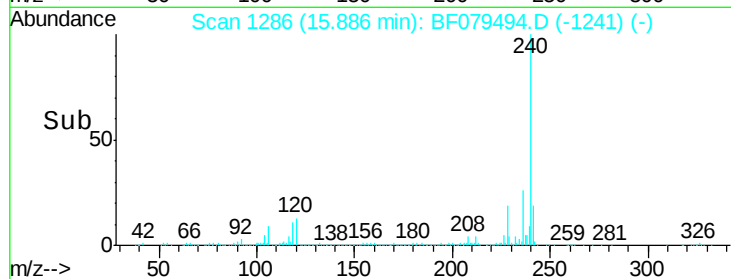
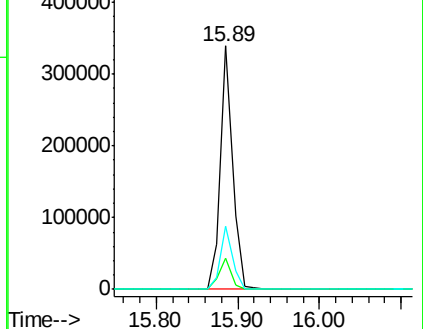
236 26.1 21.0 31.6



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: 21.15 ng

RT: 14.38 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF079494.D

Acq: 27 May 2015 00:58

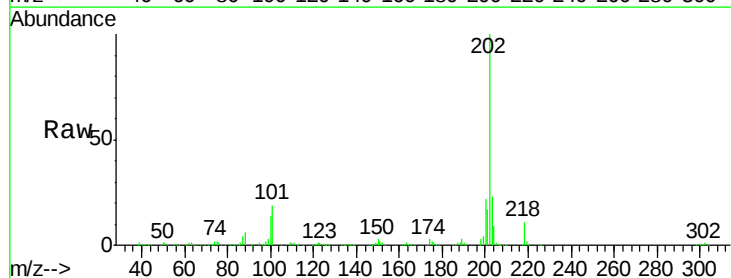
Tgt Ion:202 Resp: 465397

Ion Ratio Lower Upper

202 100

200 21.6 17.5 26.3

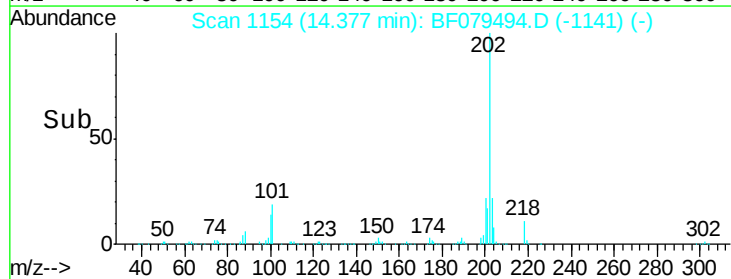
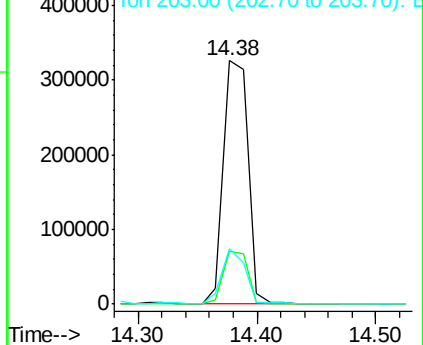
203 22.7 14.4 21.6#

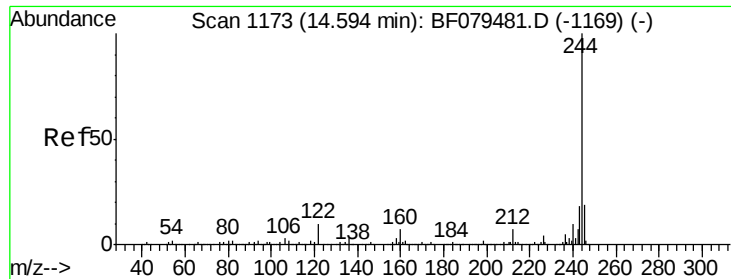


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.62 ng

RT: 14.59 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF079494.D

Acq: 27 May 2015 00:58

Instrument :

BNA_F

ClientSampleId :

SB-31S

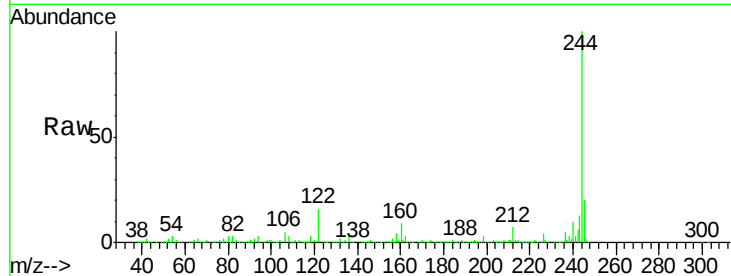
Tgt Ion:244 Resp: 1295535

Ion Ratio Lower Upper

244 100

212 7.0 5.2 7.8

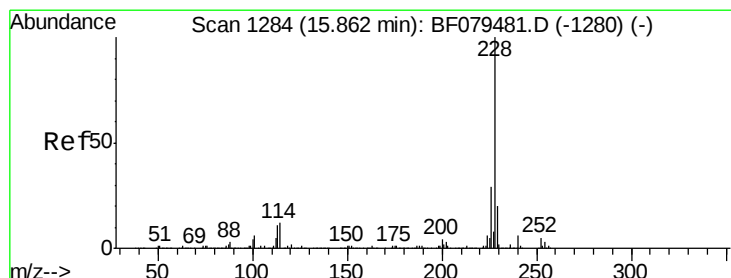
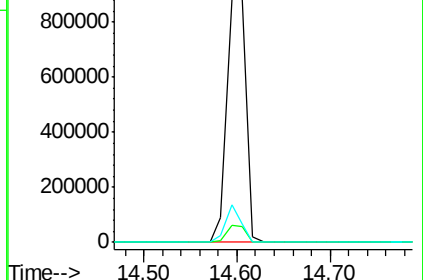
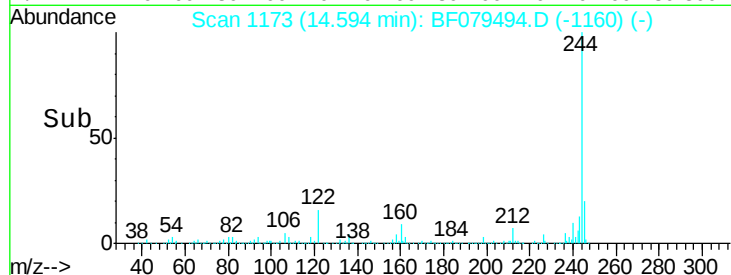
122 15.6 8.0 12.0#



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: 12.74 ng

RT: 15.87 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF079494.D

Acq: 27 May 2015 00:58

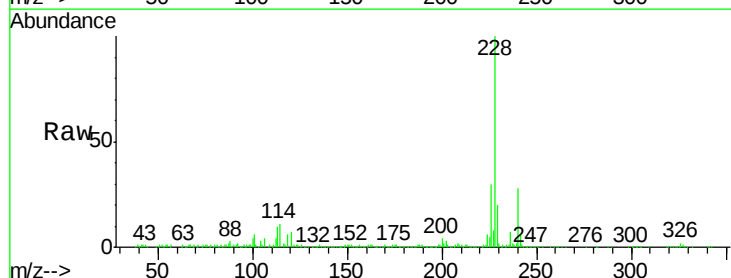
Tgt Ion:228 Resp: 260267

Ion Ratio Lower Upper

228 100

226 29.7 22.8 34.2

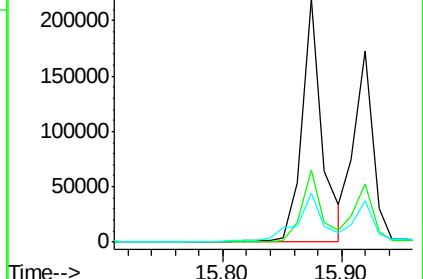
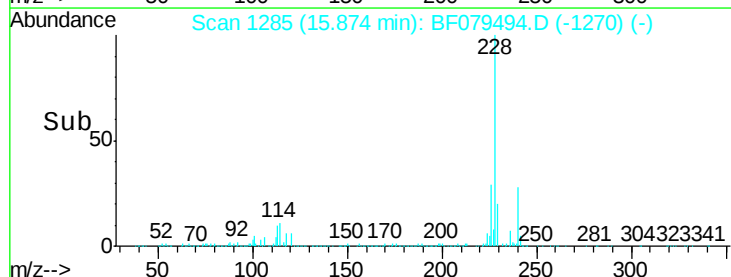
229 20.1 15.9 23.9

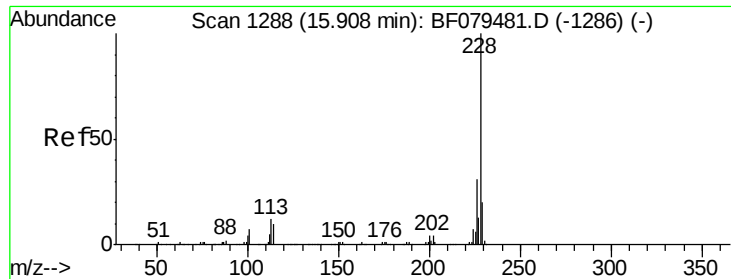


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.89 ng

RT: 15.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BF079494.D

Acq: 27 May 2015 00:58

Instrument :

BNA_F

ClientSampleId :

SB-31S

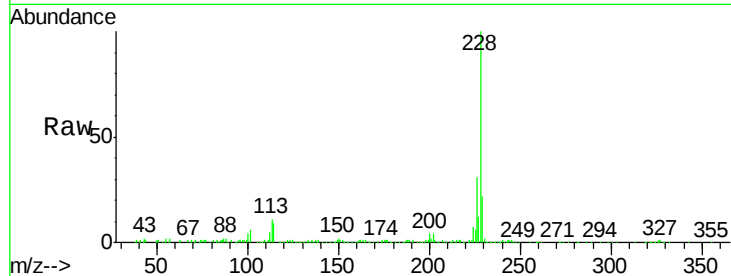
Tgt Ion:228 Resp: 192074

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.4

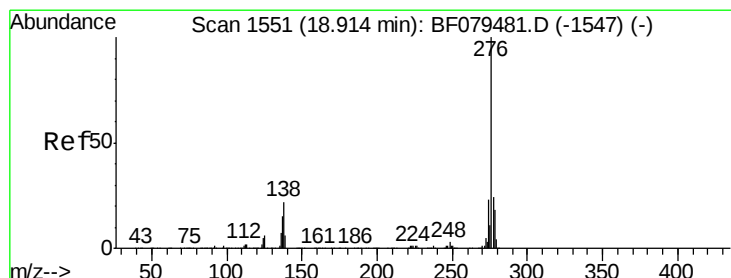
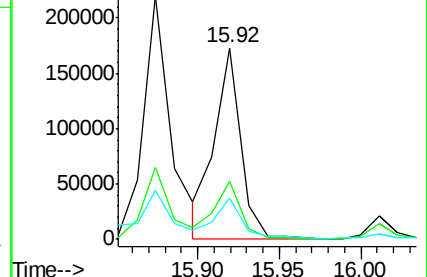
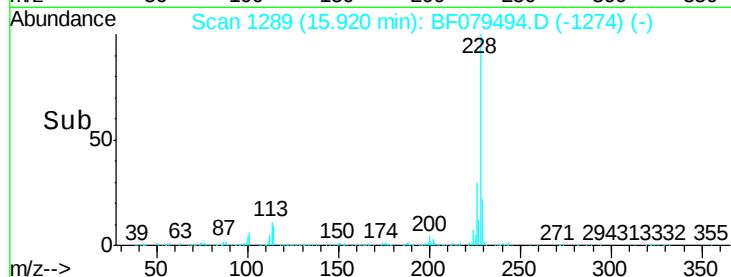
229 21.8 15.9 23.9



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: 5.39 ng

RT: 18.96 min Scan# 1555

Delta R.T. 0.05 min

Lab File: BF079494.D

Acq: 27 May 2015 00:58

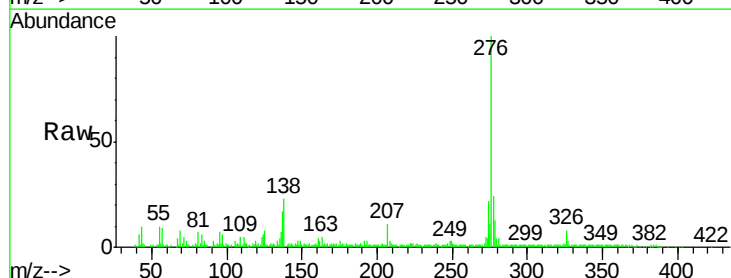
Tgt Ion:276 Resp: 134635

Ion Ratio Lower Upper

276 100

138 25.6 21.4 32.2

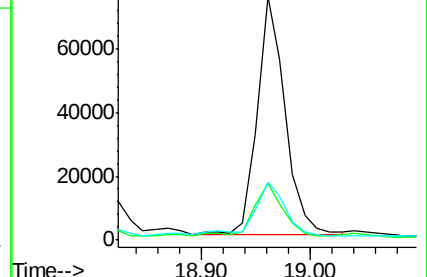
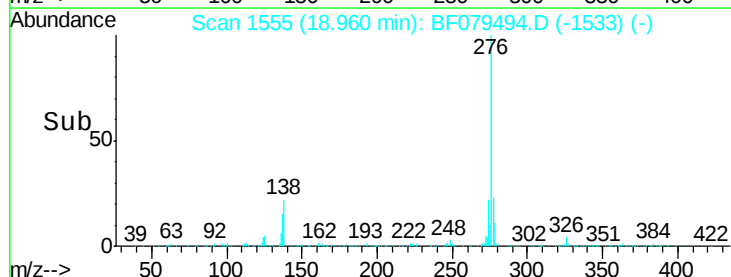
277 27.7 19.8 29.6

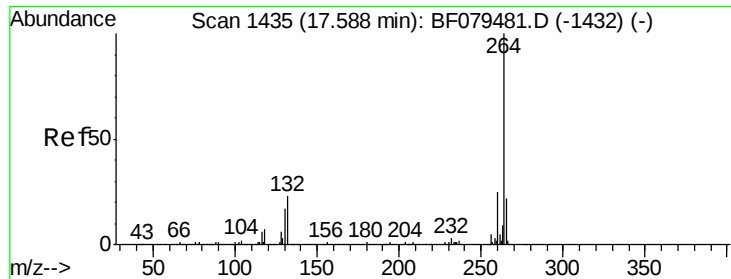


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



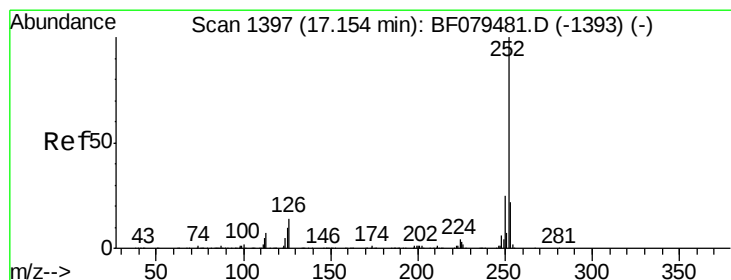
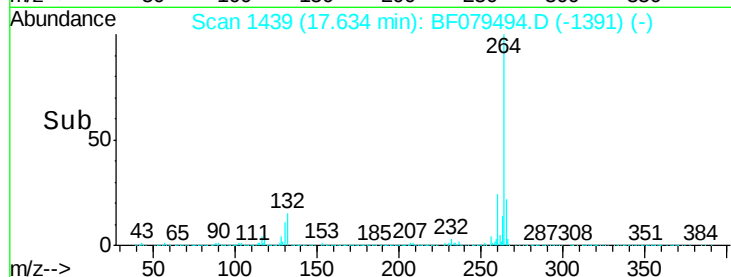
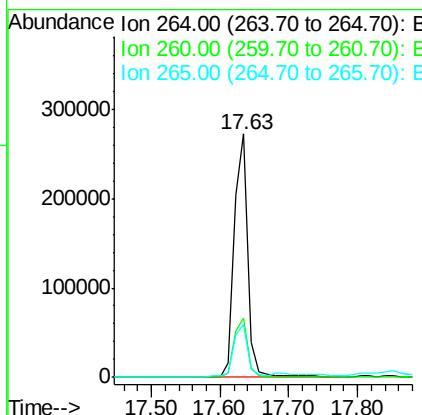
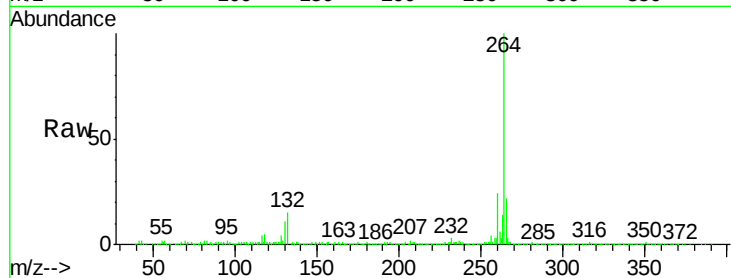


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.63 min Scan# 1439
Delta R.T. 0.05 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Instrument :
BNA_F
ClientSampleId :
SB-31S

Tgt Ion: 264 Resp: 376387

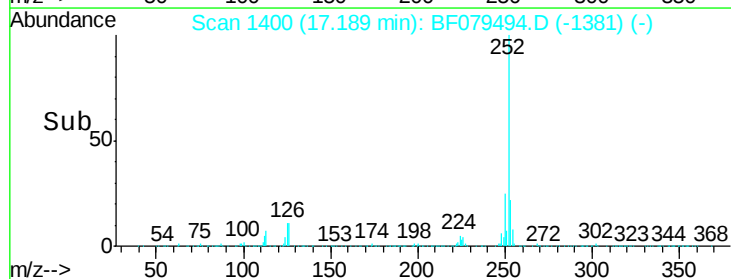
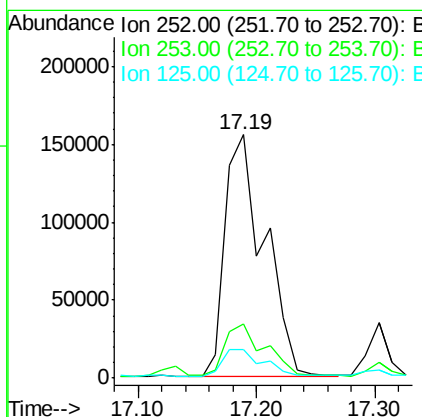
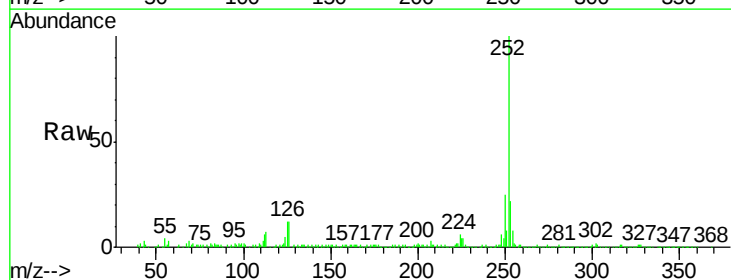
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.8
265	21.8	17.8	26.6

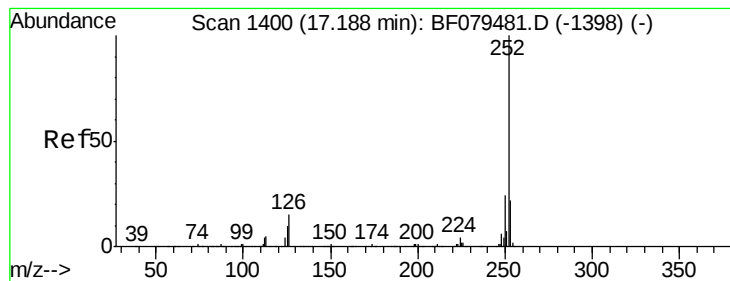


#87
Benzo(b)fluoranthene
Concen: 16.75 ng
RT: 17.19 min Scan# 1400
Delta R.T. 0.03 min
Lab File: BF079494.D
Acq: 27 May 2015 00:58

Tgt Ion: 252 Resp: 359460

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	11.6	7.8	11.6





#88

Benzo(k)fluoranthene

Concen: 18.73 ng

RT: 17.19 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BF079494.D

Acq: 27 May 2015 00:58

Instrument :

BNA_F

ClientSampleId :

SB-31S

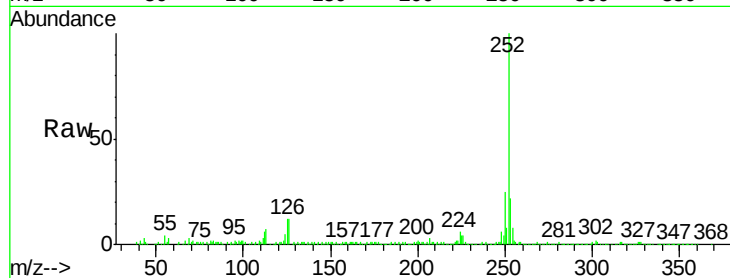
Tgt Ion:252 Resp: 359460

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

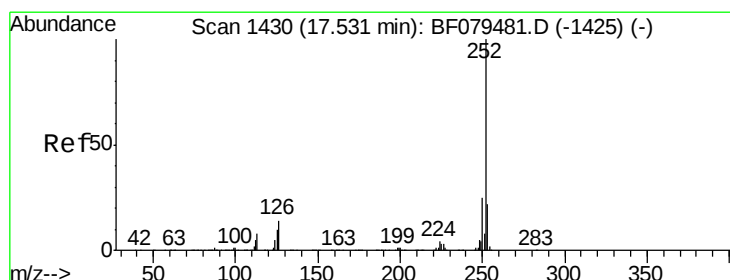
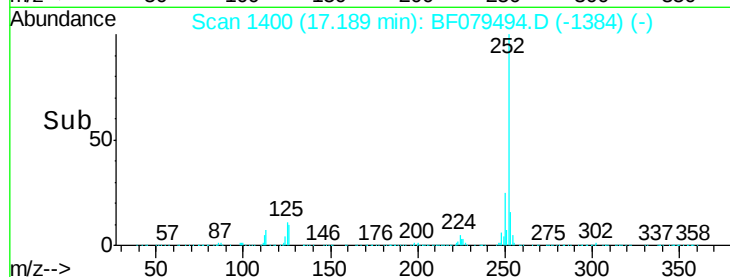
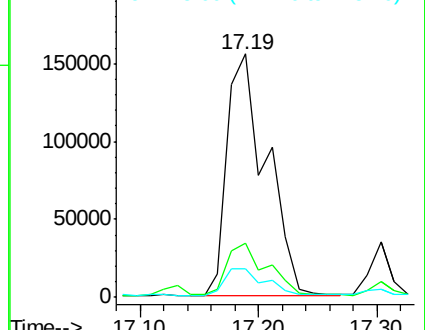
125 11.6 6.8 10.2#



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: 9.32 ng

RT: 17.57 min Scan# 1433

Delta R.T. 0.03 min

Lab File: BF079494.D

Acq: 27 May 2015 00:58

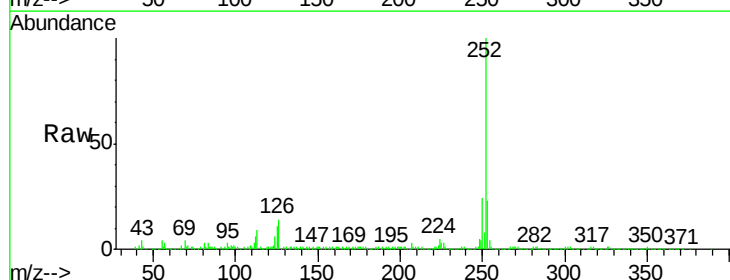
Tgt Ion:252 Resp: 204068

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

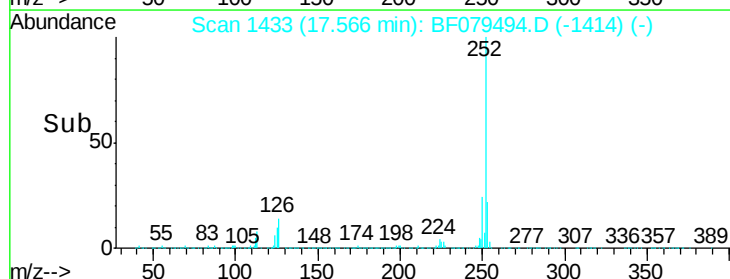
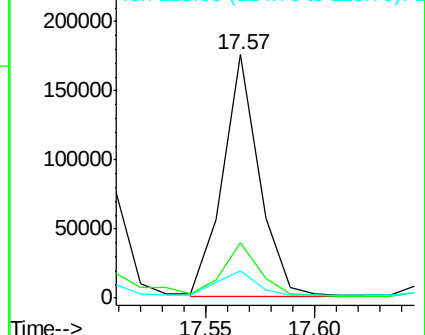
125 11.2 7.9 11.9

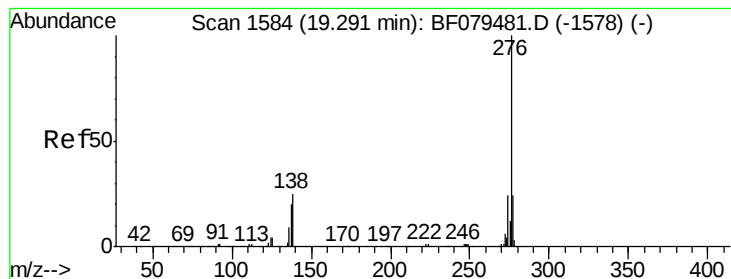


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.69 ng

RT: 19.35 min Scan# 1589

Delta R.T. 0.06 min

Lab File: BF079494.D

Acq: 27 May 2015 00:58

Instrument :

BNA_F

ClientSampleId :

SB-31S

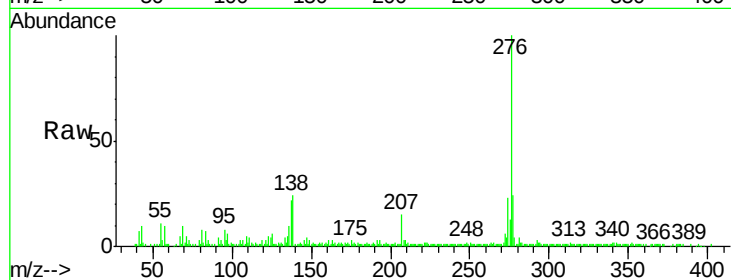
Tgt Ion: 276 Resp: 124942

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 23.7 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

