

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078568.D
 Acq On : 16 Apr 2015 16:27
 Operator : TP/IZ
 Sample : G1891-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-82D

Quant Time: Apr 17 01:21:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 00:52:22 2015
 Response via : Initial Calibration

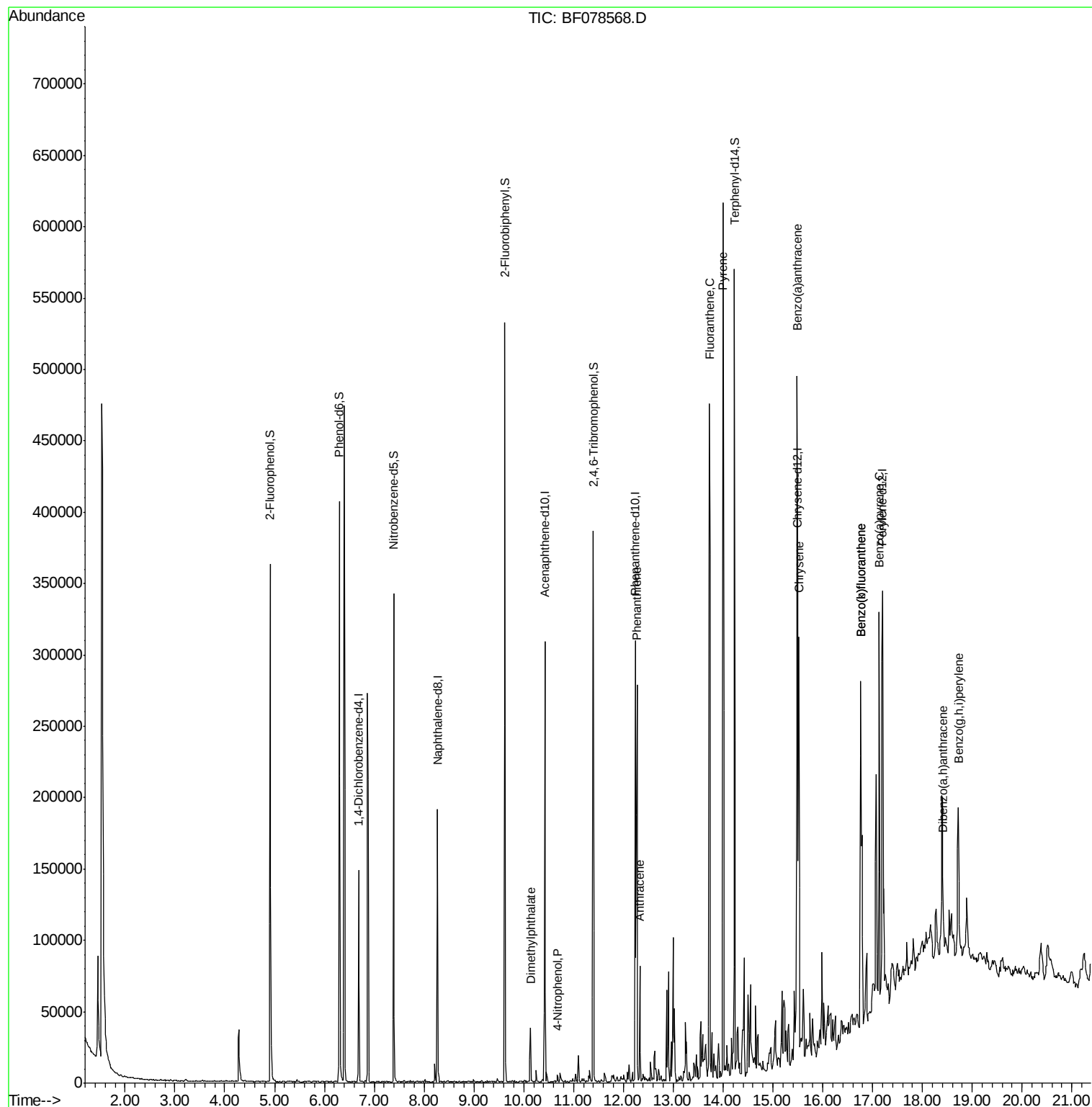
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	27254	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	118524	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	64405	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	126028	20.00	ng	0.00
75) Chrysene-d12	15.50	240	142204	20.00	ng	0.01
86) Perylene-d12	17.20	264	149497	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	135423	81.93	ng	0.01
7) Phenol-d6	6.30	99	177181	85.53	ng	0.00
23) Nitrobenzene-d5	7.39	82	106065	54.24	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	45247	84.71	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	195786	43.45	ng	0.00
78) Terphenyl-d14	14.23	244	213209	33.88	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.14	163	19587	4.05	ng	97
55) 4-Nitrophenol	10.67	139	1113	4.05	ng	# 18
70) Phenanthrene	12.27	178	146996	20.16	ng	98
71) Anthracene	12.33	178	35709	4.97	ng	99
74) Fluoranthene	13.73	202	272511	35.45	ng	97
77) Pyrene	14.00	202	266535	29.86	ng	# 93
80) Benzo(a)anthracene	15.49	228	144929	17.13	ng	100
82) Chrysene	15.52	228	131127	16.50	ng	97
87) Benzo(b)fluoranthene	16.77	252	198876	21.52	ng	# 95
88) Benzo(k)fluoranthene	16.77	252	200938	24.47	ng	98
89) Benzo(a)pyrene	17.13	252	120817	14.98	ng	# 94
90) Dibenzo(a,h)anthracene	18.41	278	18988	2.35	ng	# 88
91) Benzo(g,h,i)perylene	18.72	276	68965	8.52	ng	98

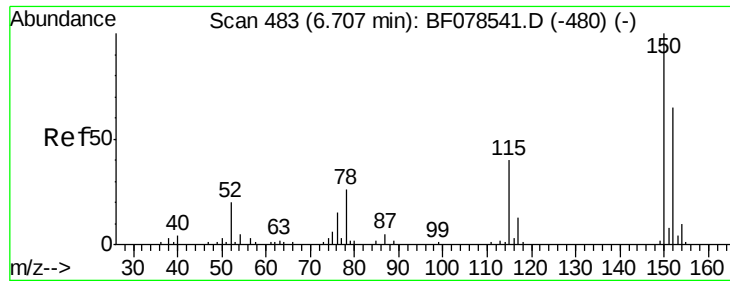
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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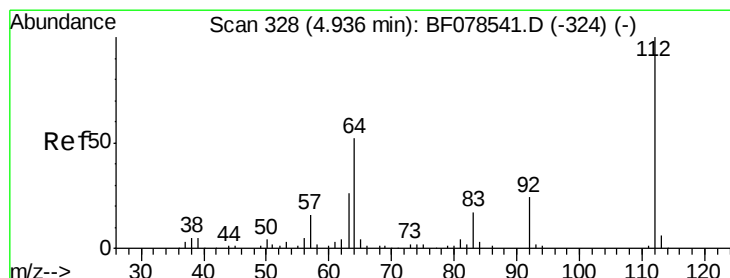
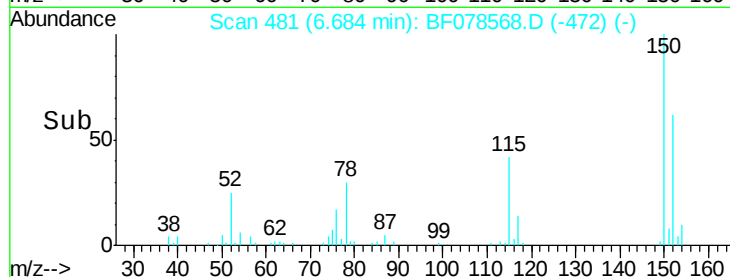
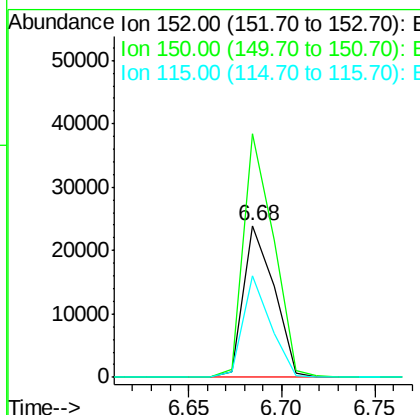
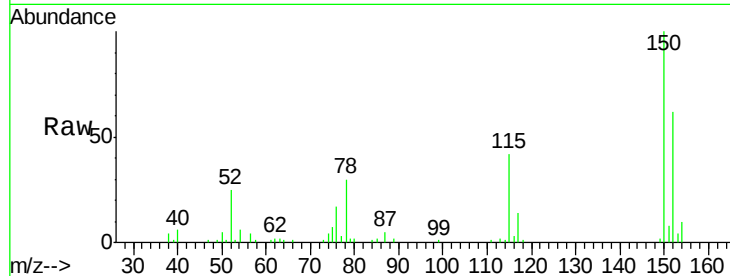




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 481
 Delta R.T. -0.00 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

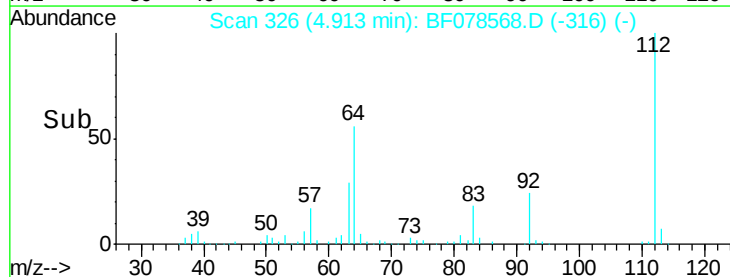
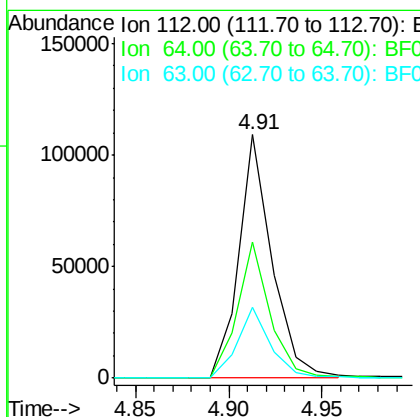
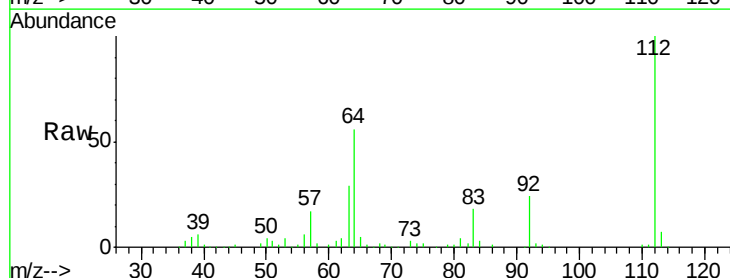
Instrument :
 BNA_F
 ClientSampleId :
 SB-82D

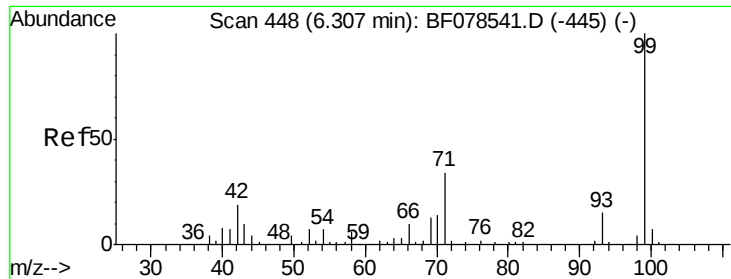
Tgt Ion:152 Resp: 27254
 Ion Ratio Lower Upper
 152 100
 150 160.7 125.9 188.9
 115 67.0 52.7 79.1



#5
 2-Fluorophenol
 Concen: 81.93 ng
 RT: 4.91 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

Tgt Ion:112 Resp: 135423
 Ion Ratio Lower Upper
 112 100
 64 55.9 39.9 59.9
 63 29.1 20.2 30.4





#7

Phenol-d6

Concen: 85.53 ng

RT: 6.30 min Scan# 447

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampleId :

SB-82D

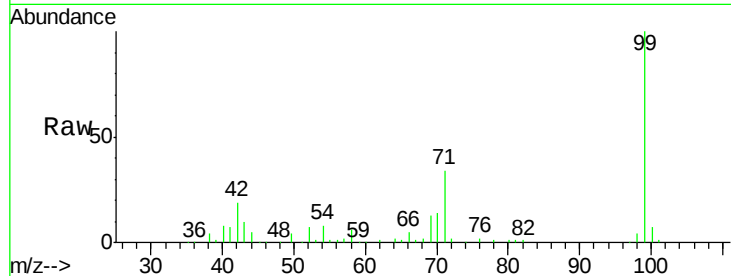
Tgt Ion: 99 Resp: 177181

Ion Ratio Lower Upper

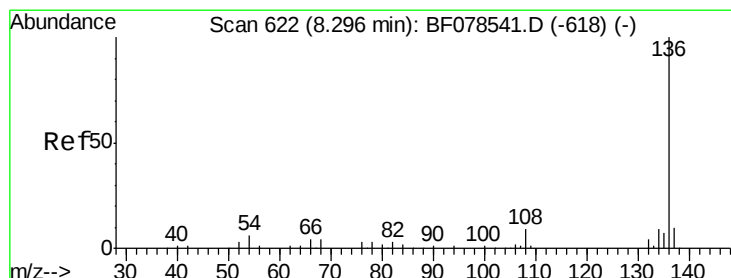
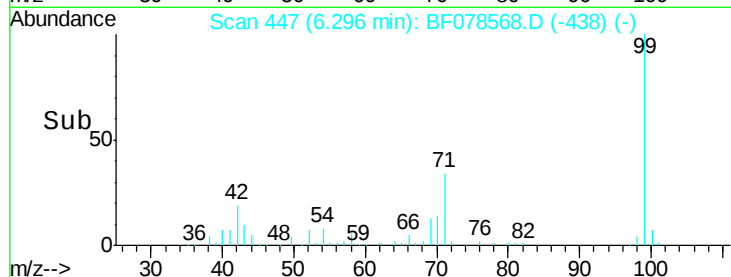
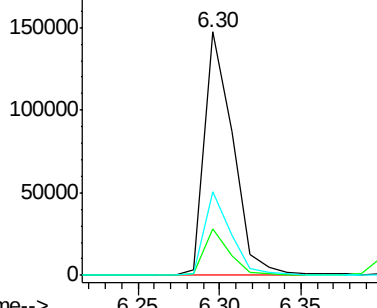
99 100

42 19.3 14.8 22.2

71 34.3 26.6 39.8



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: 8.27 min Scan# 620

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Tgt Ion: 136 Resp: 118524

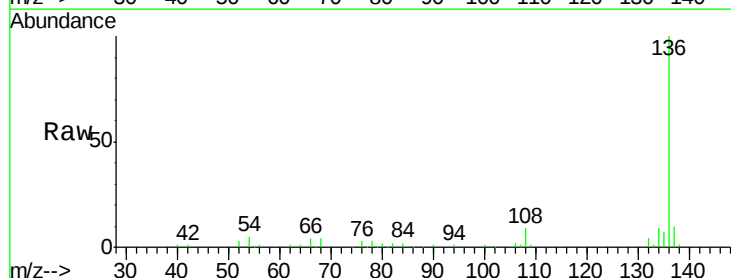
Ion Ratio Lower Upper

136 100

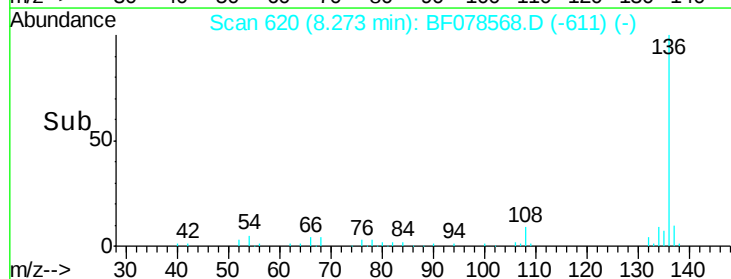
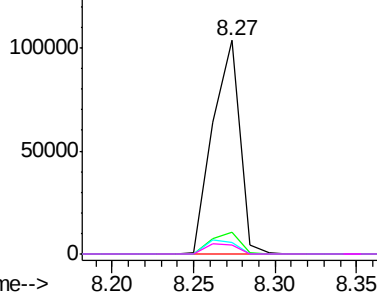
137 10.3 9.0 13.4

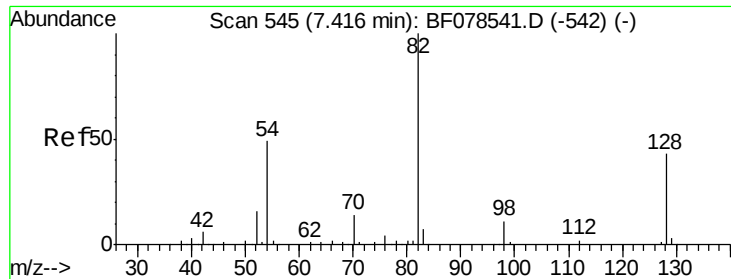
54 5.3 7.0 10.6#

68 4.5 5.4 8.2#



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

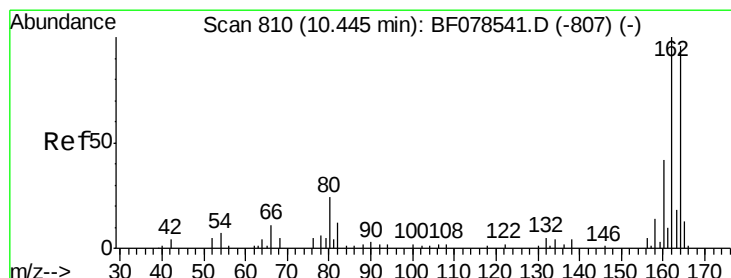
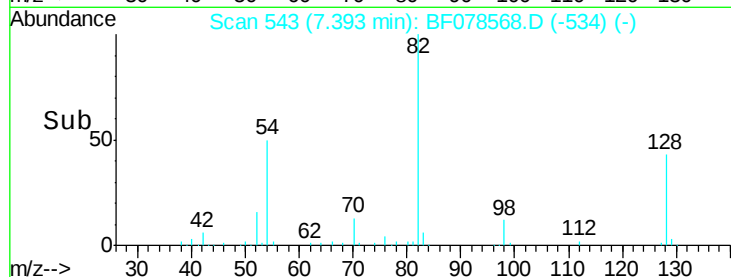
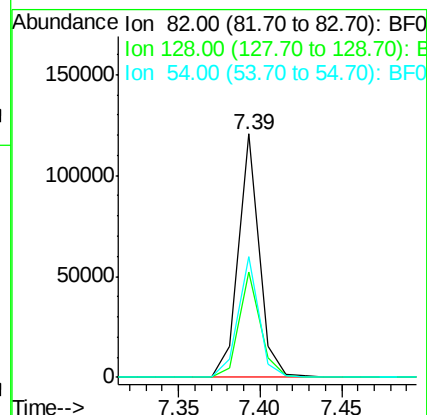
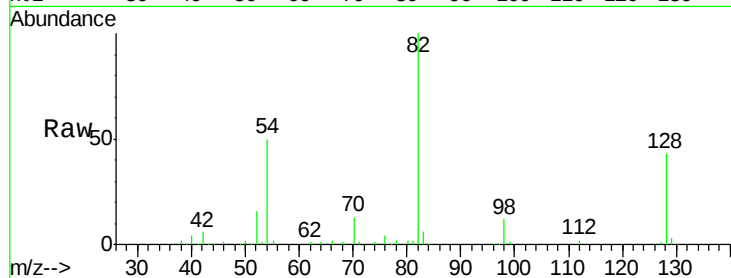




#23
 Nitrobenzene-d5
 Concen: 54.24 ng
 RT: 7.39 min Scan# 543
 Delta R.T. -0.00 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

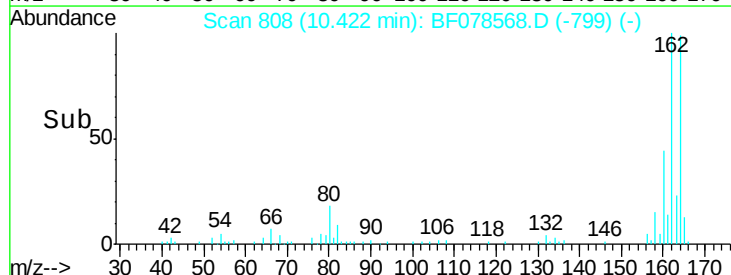
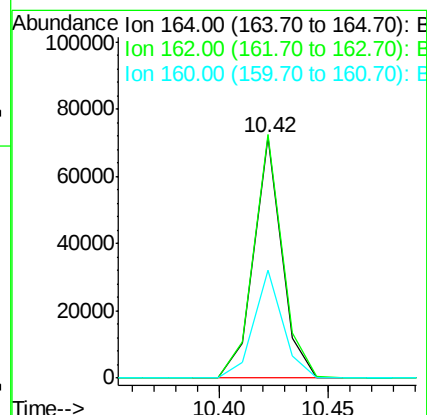
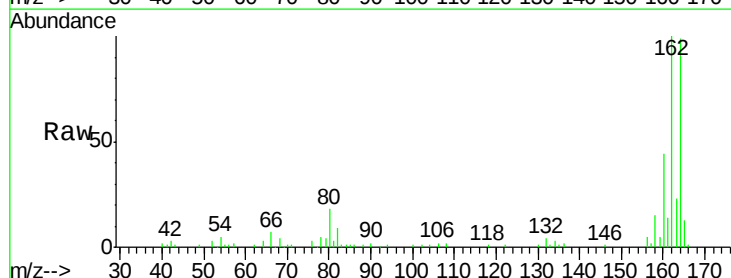
Instrument :
 BNA_F
 ClientSampleId :
 SB-82D

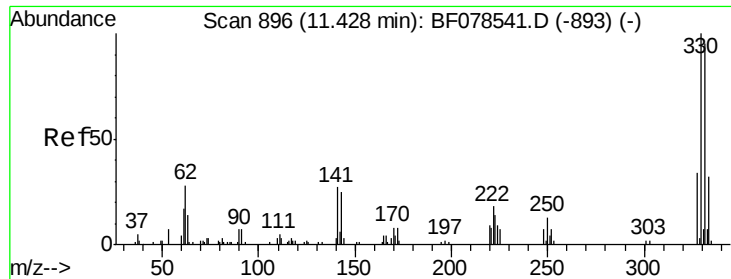
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.2	31.8	47.8
54	49.8	41.5	62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.2
160	44.6	34.7	52.1

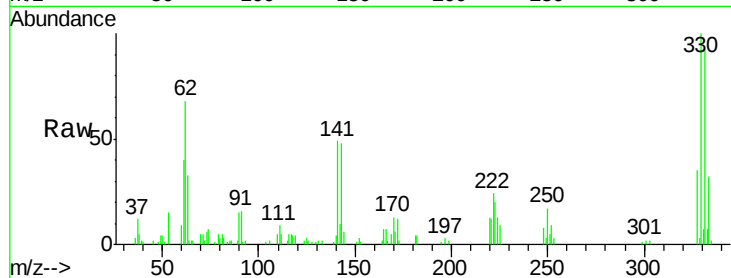




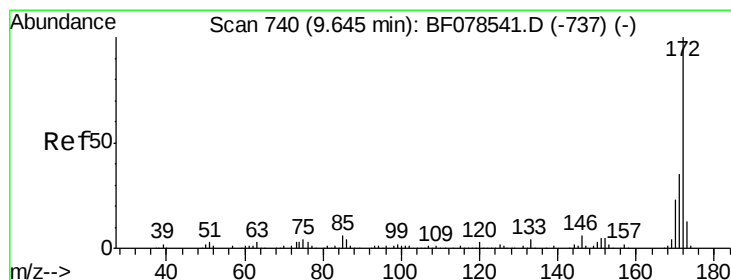
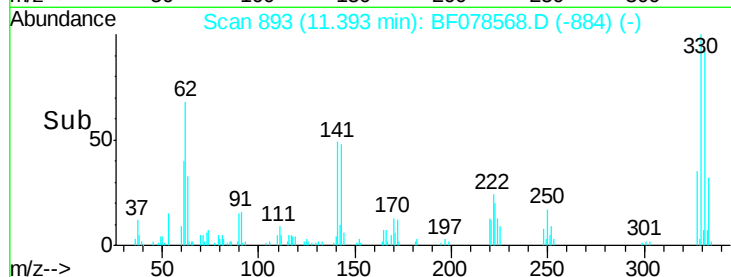
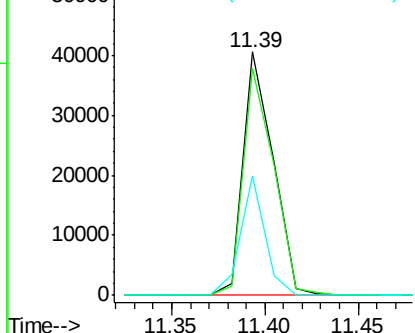
#41
 2,4,6-Tribromophenol
 Concen: 84.71 ng
 RT: 11.39 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-82D

Tgt Ion:330 Resp: 45247
 Ion Ratio Lower Upper
 330 100
 332 94.7 78.6 117.8
 141 40.3 31.2 46.8

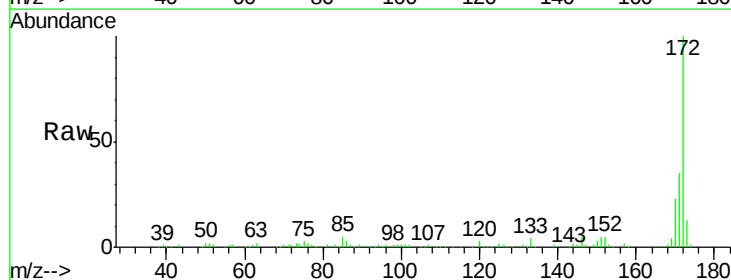


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

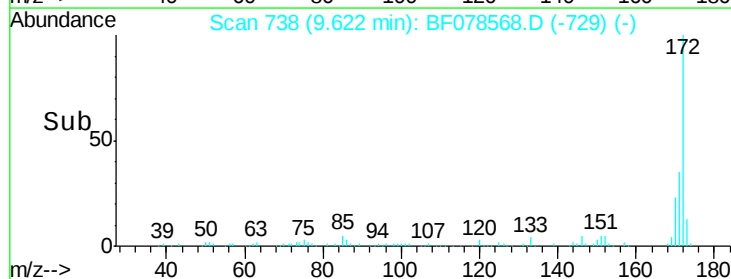
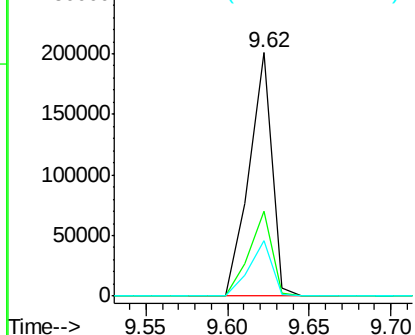


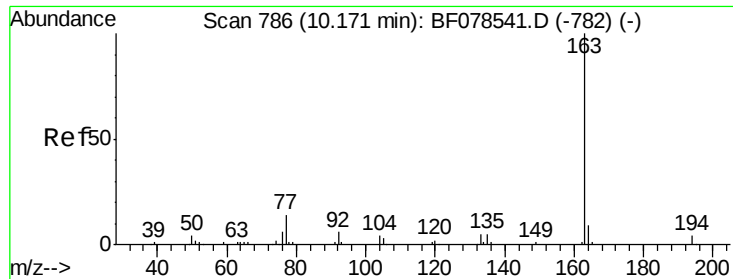
#44
 2-Fluorobiphenyl
 Concen: 43.45 ng
 RT: 9.62 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

Tgt Ion:172 Resp: 195786
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.6 42.8
 170 23.0 18.5 27.7



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

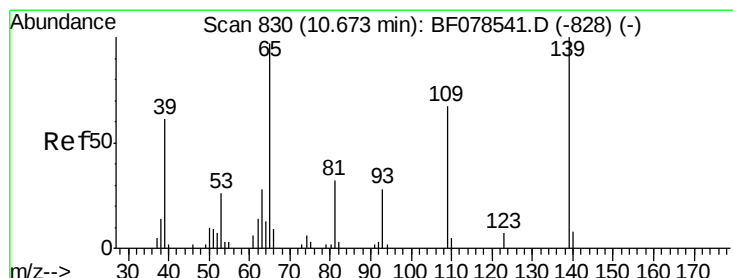
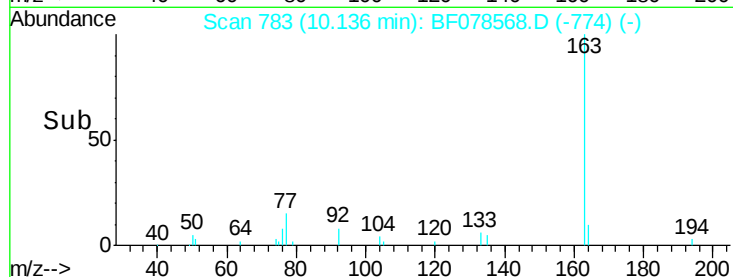
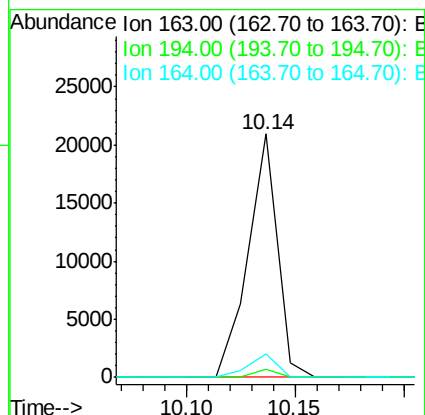
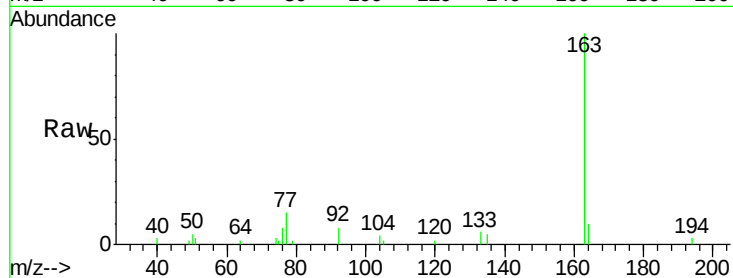




#49
Dimethylphthalate
Concen: 4.05 ng
RT: 10.14 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF078568.D
Acq: 16 Apr 2015 16:27

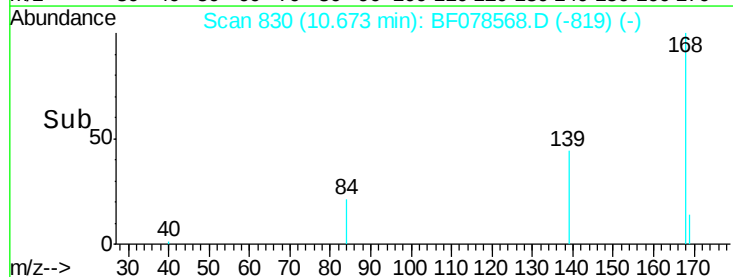
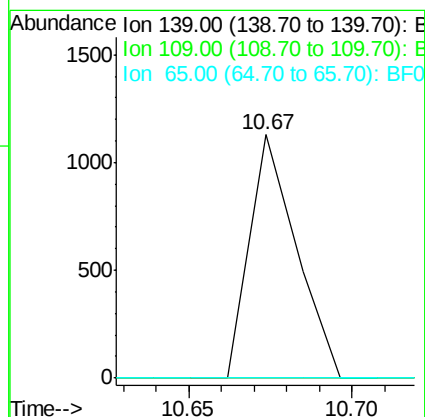
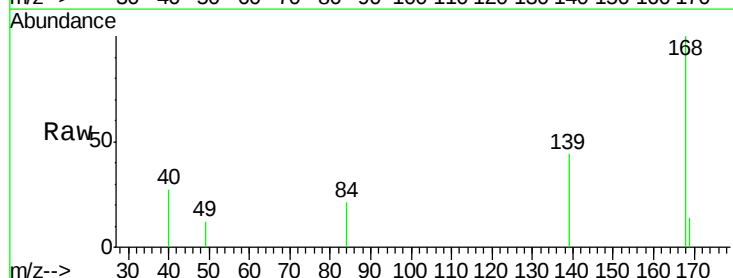
Instrument :
BNA_F
ClientSampled :
SB-82D

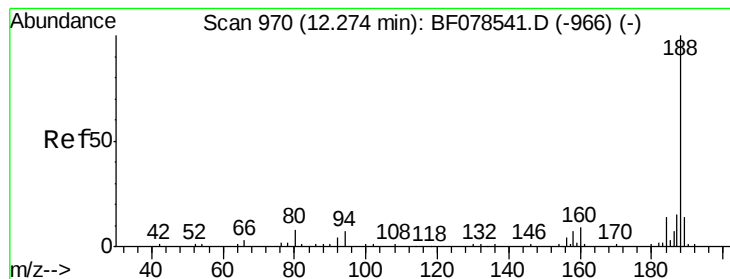
Tgt Ion:163 Resp: 19587
Ion Ratio Lower Upper
163 100
194 3.5 2.3 3.5
164 9.6 8.6 13.0



#55
4-Nitrophenol
Concen: 4.05 ng
RT: 10.67 min Scan# 830
Delta R.T. 0.02 min
Lab File: BF078568.D
Acq: 16 Apr 2015 16:27

Tgt Ion:139 Resp: 1113
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.24 min Scan# 967

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampleId :

SB-82D

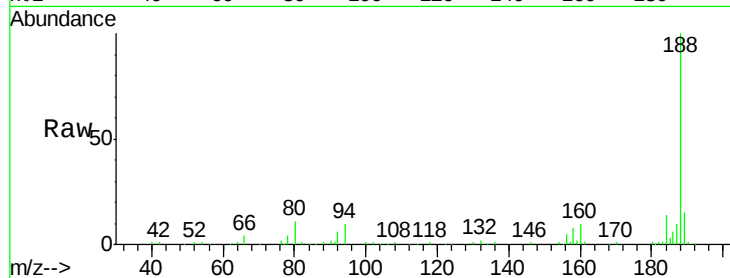
Tgt Ion:188 Resp: 126028

Ion Ratio Lower Upper

188 100

94 9.9 9.0 13.4

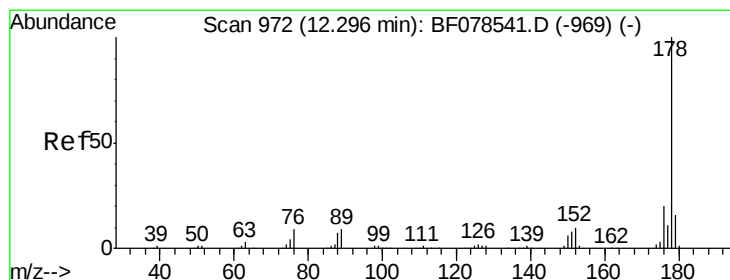
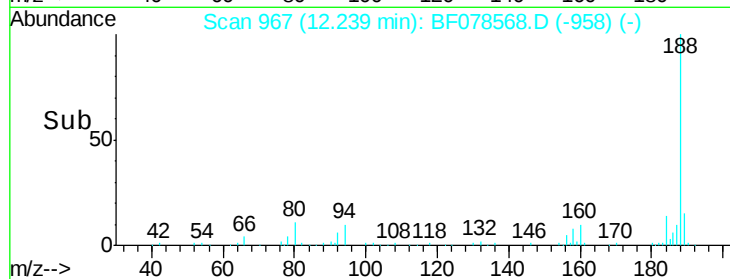
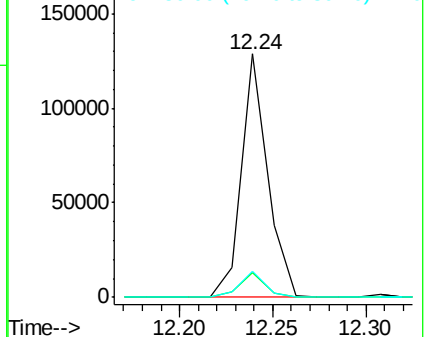
80 10.7 9.5 14.3



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: 20.16 ng

RT: 12.27 min Scan# 970

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

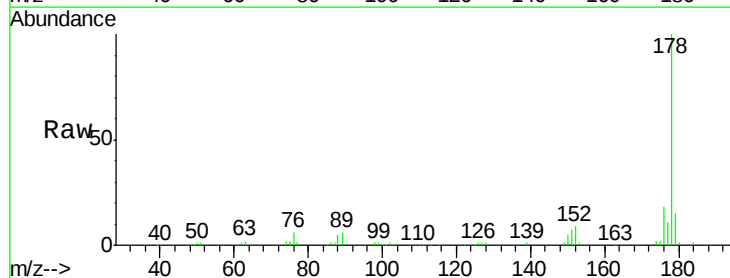
Tgt Ion:178 Resp: 146996

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

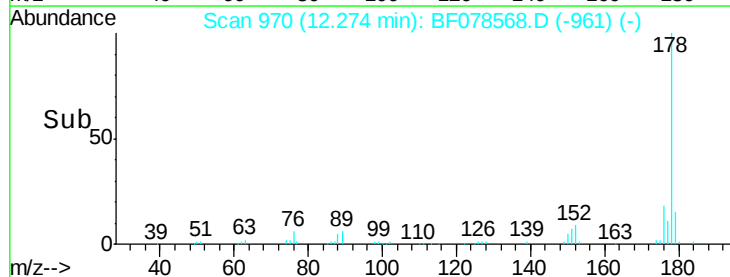
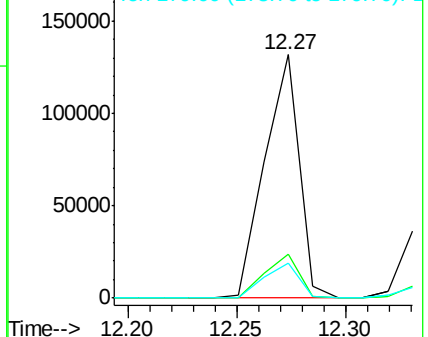
179 14.6 12.2 18.2

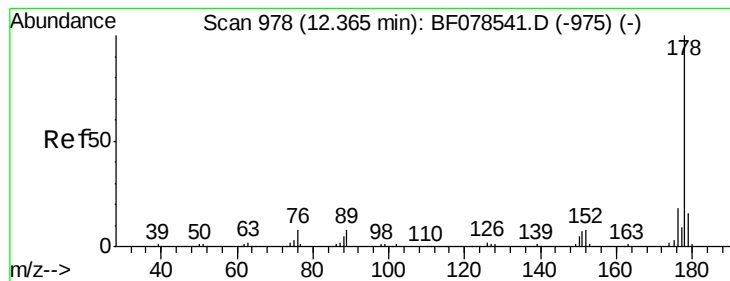


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.97 ng

RT: 12.33 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

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ClientSampleId :

SB-82D

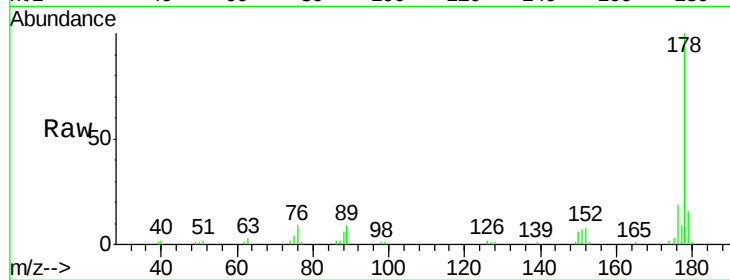
Tgt Ion:178 Resp: 35709

Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

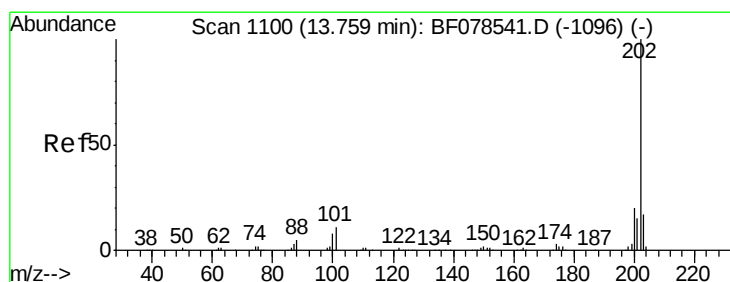
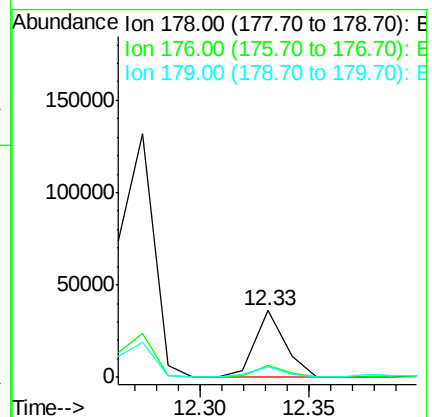
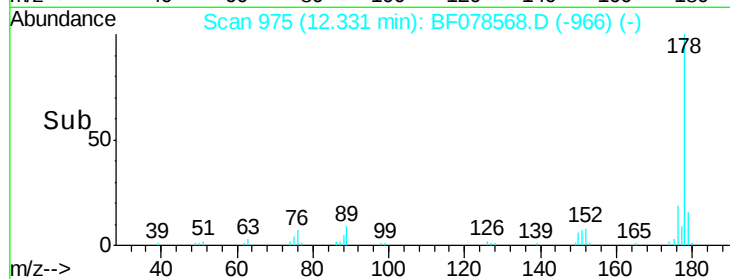
179 16.1 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 35.45 ng

RT: 13.73 min Scan# 1097

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

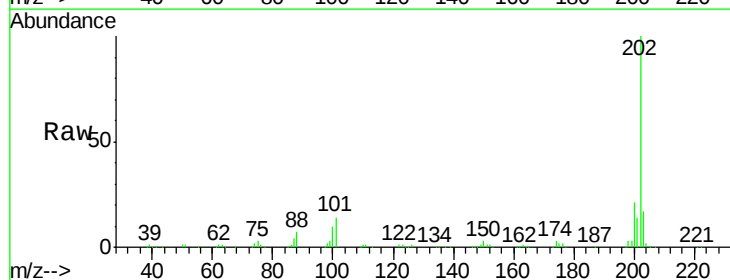
Tgt Ion:202 Resp: 272511

Ion Ratio Lower Upper

202 100

101 14.1 0.0 35.2

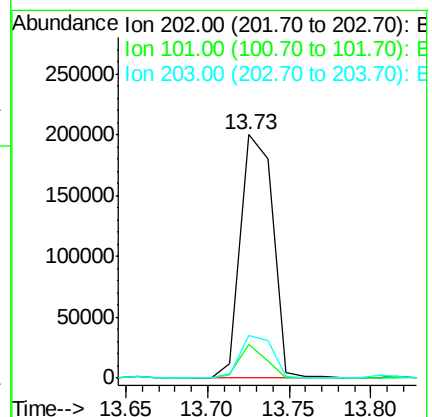
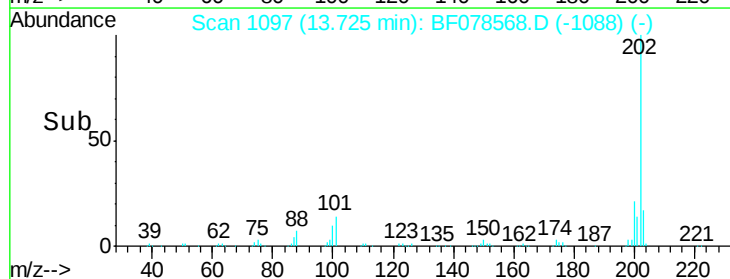
203 17.4 0.0 38.5

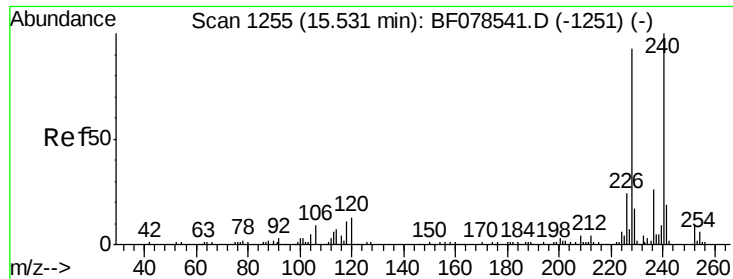


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

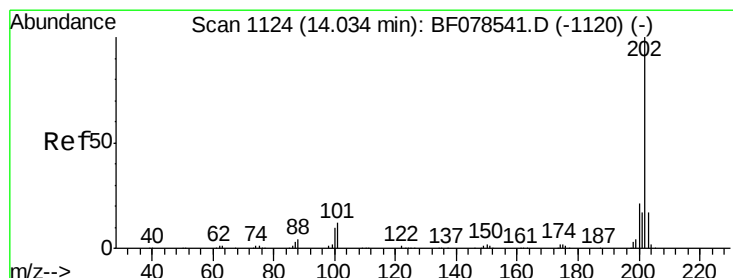
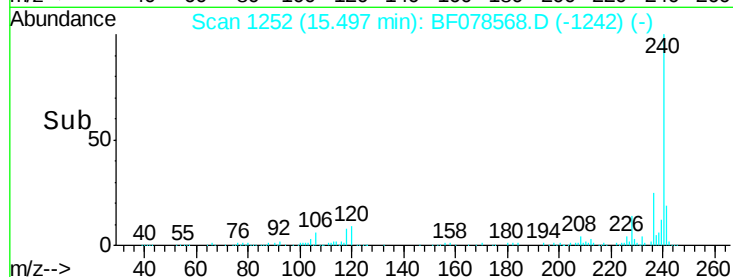
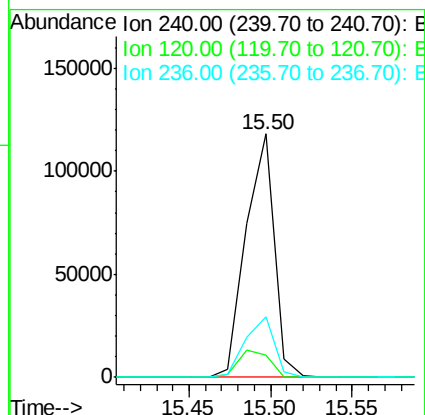
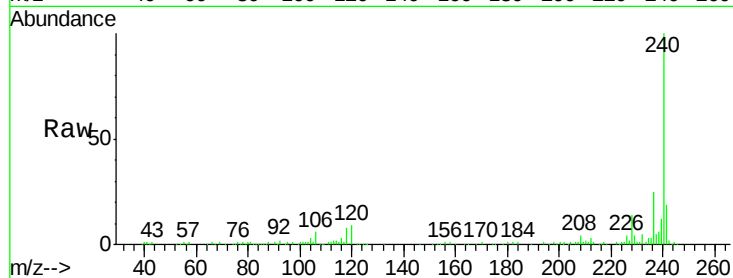




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 1252
Delta R.T. 0.01 min
Lab File: BF078568.D
Acq: 16 Apr 2015 16:27

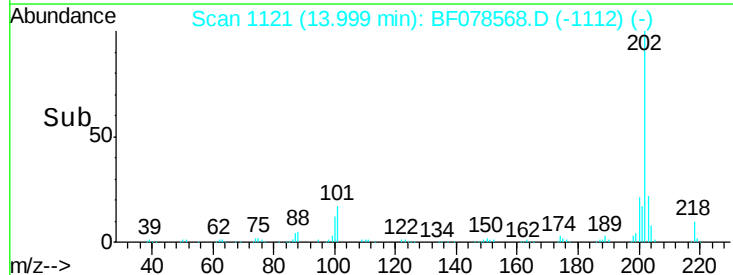
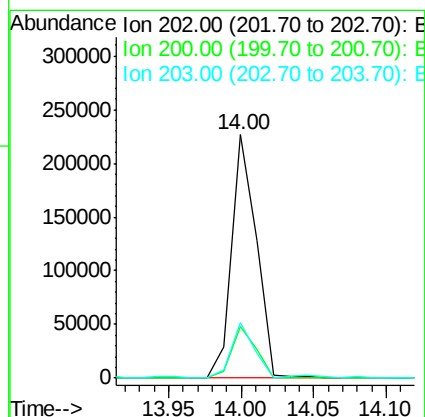
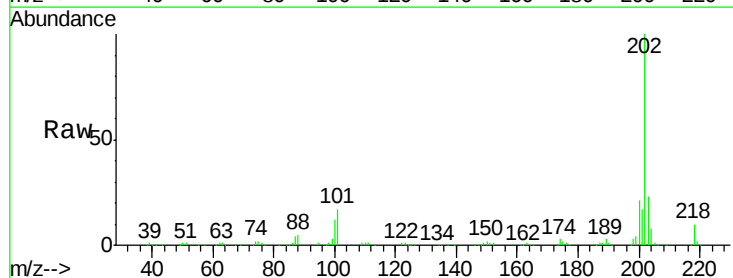
Instrument :
BNA_F
ClientSampleId :
SB-82D

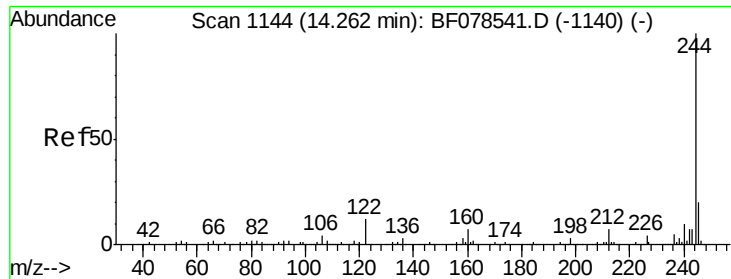
Tgt Ion:240 Resp: 142204
Ion Ratio Lower Upper
240 100
120 8.9 7.1 10.7
236 25.0 21.4 32.2



#77
Pyrene
Concen: 29.86 ng
RT: 14.00 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BF078568.D
Acq: 16 Apr 2015 16:27

Tgt Ion:202 Resp: 266535
Ion Ratio Lower Upper
202 100
200 21.2 16.3 24.5
203 22.7 13.8 20.6#

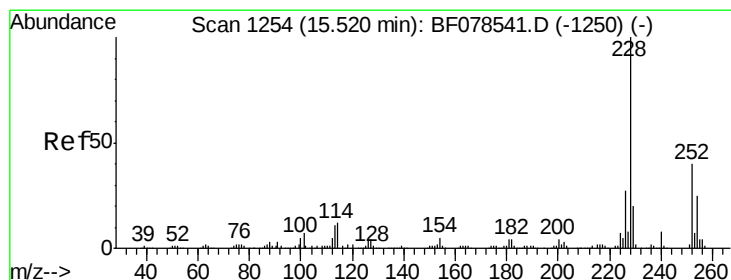
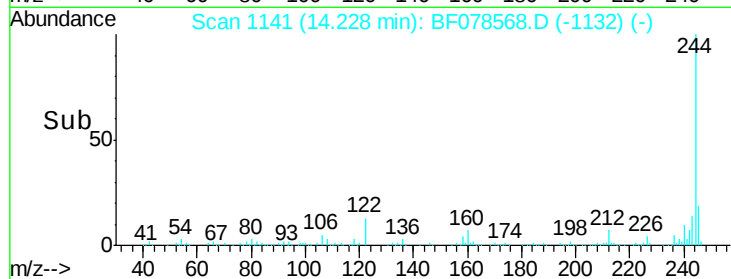
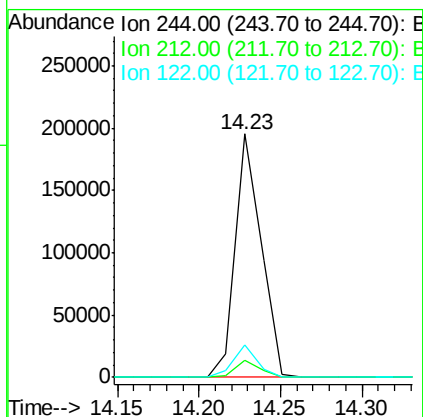
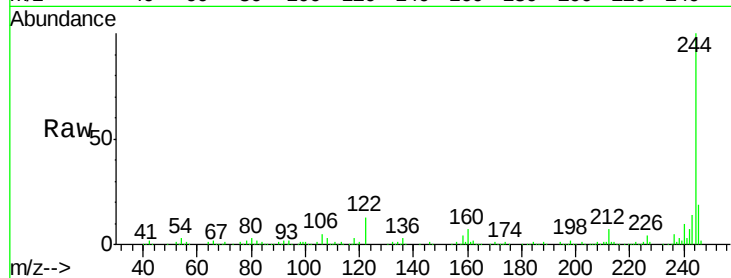




#78
 Terphenyl-d14
 Concen: 33.88 ng
 RT: 14.23 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

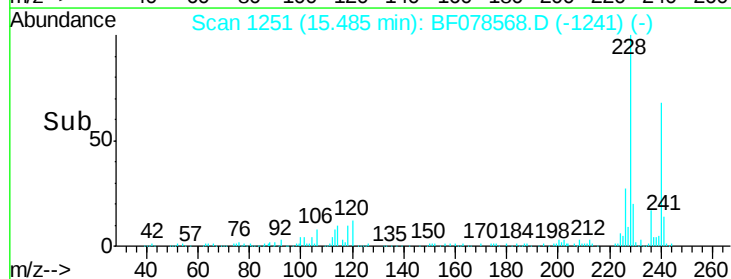
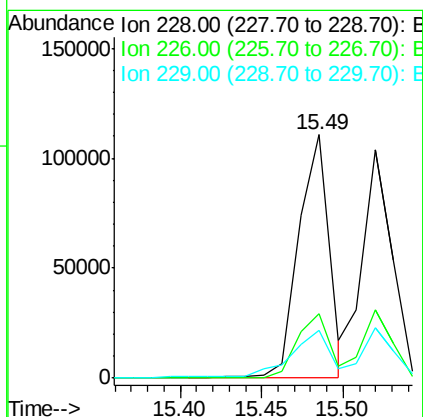
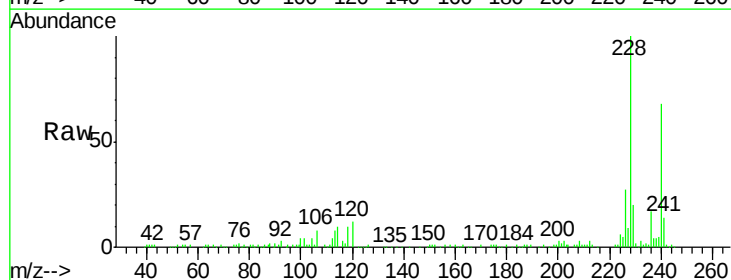
Instrument :
 BNA_F
 ClientSampled :
 SB-82D

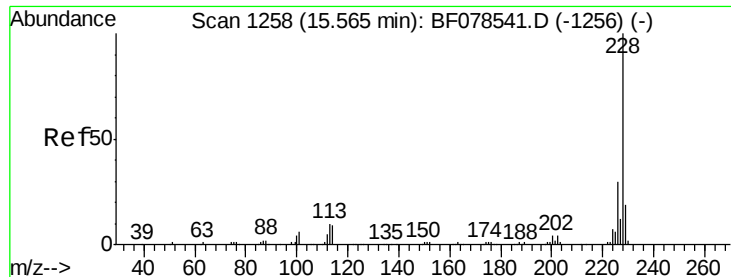
Tgt Ion: 244 Resp: 213209
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.0 7.4
 122 13.5 7.1 10.7#



#80
 Benzo(a)anthracene
 Concen: 17.13 ng
 RT: 15.49 min Scan# 1251
 Delta R.T. 0.01 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

Tgt Ion: 228 Resp: 144929
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.3 31.9
 229 19.5 15.4 23.2





#82

Chrysene

Concen: 16.50 ng

RT: 15.52 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampled :

SB-82D

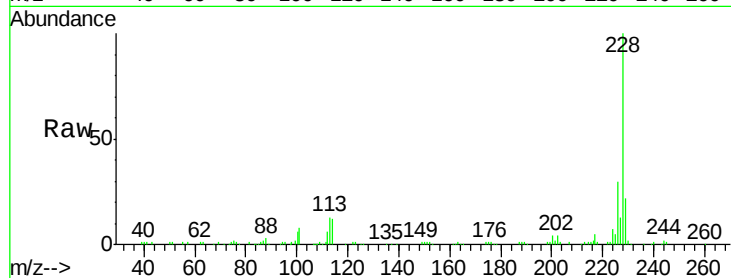
Tgt Ion: 228 Resp: 131127

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.4

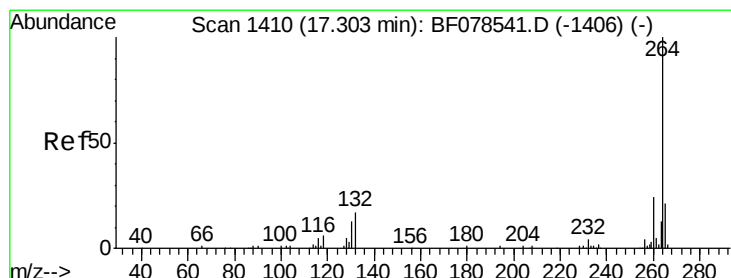
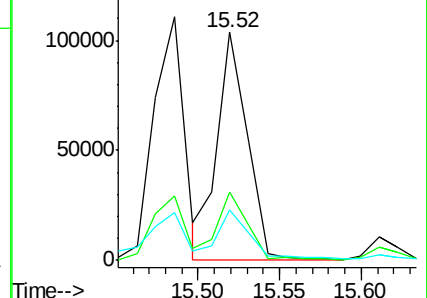
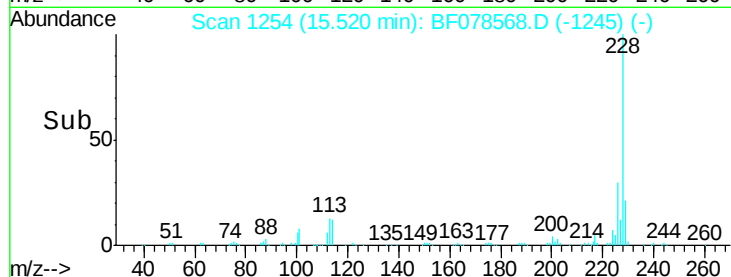
229 22.0 15.8 23.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.20 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

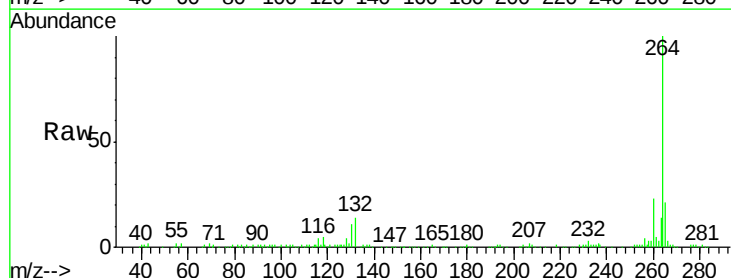
Tgt Ion: 264 Resp: 149497

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

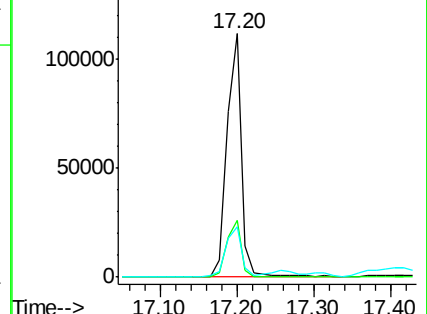
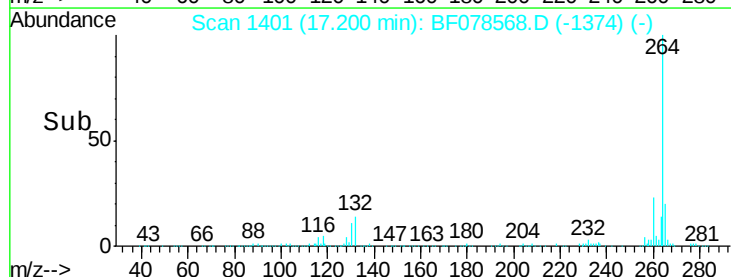
265 20.8 17.0 25.6

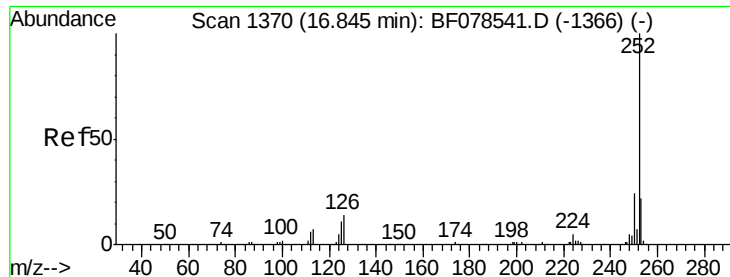


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 21.52 ng

RT: 16.77 min Scan# 1363

Delta R.T. 0.01 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampleId :

SB-82D

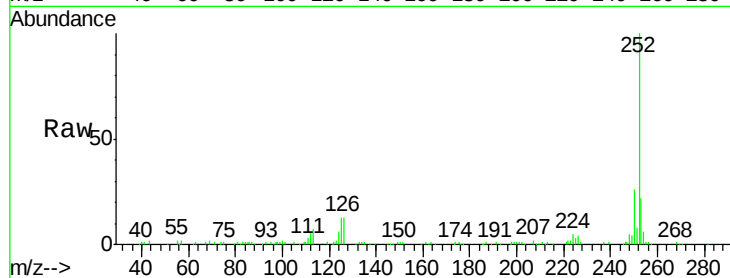
Tgt Ion:252 Resp: 198876

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

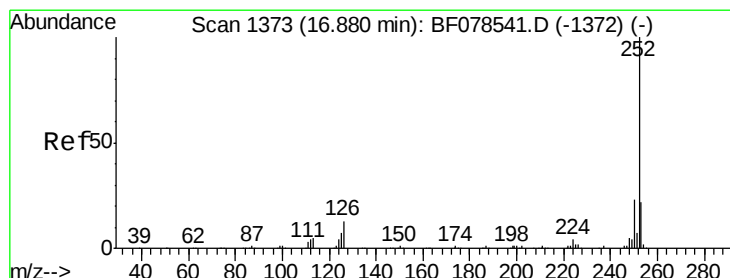
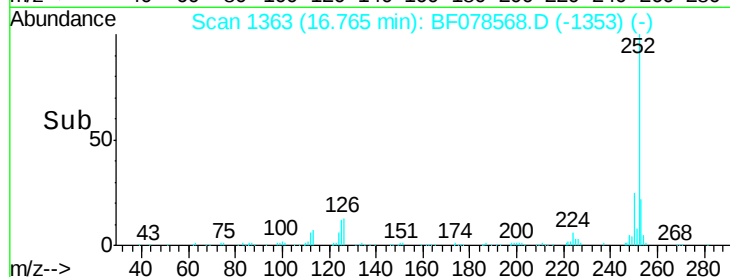
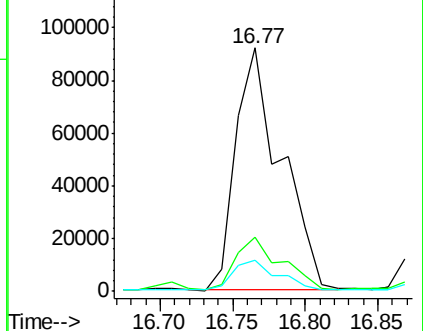
125 12.7 7.0 10.4#



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: 24.47 ng

RT: 16.77 min Scan# 1363

Delta R.T. -0.02 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

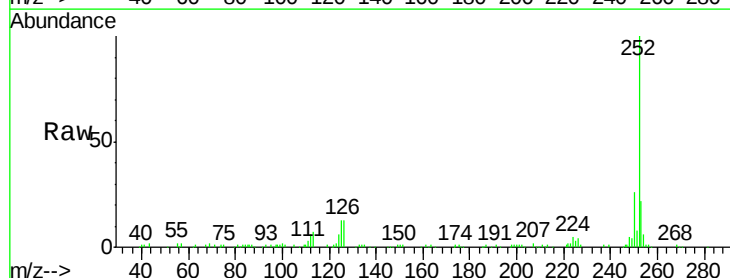
Tgt Ion:252 Resp: 200938

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

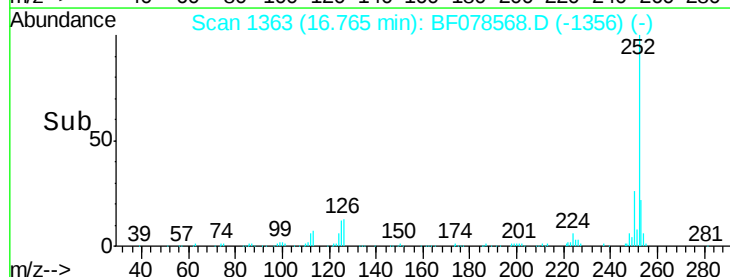
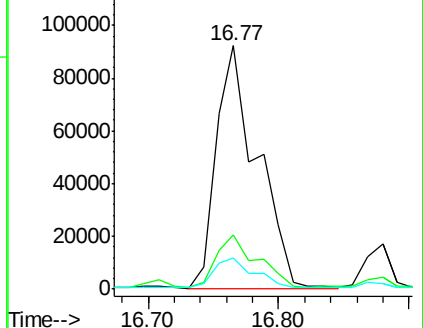
125 12.7 11.6 17.4

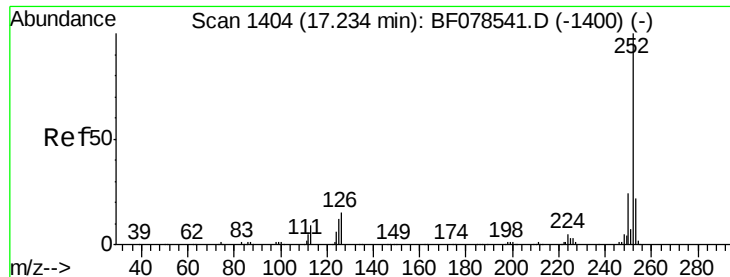


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 14.98 ng

RT: 17.13 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampleId :

SB-82D

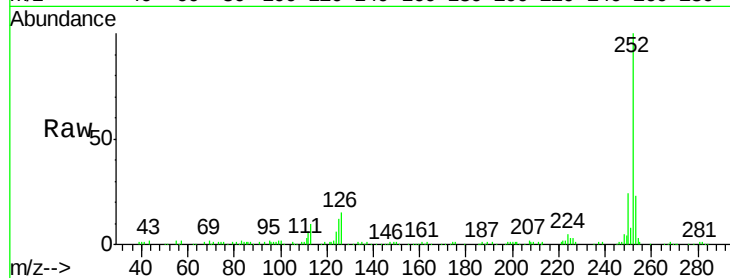
Tgt Ion: 252 Resp: 120817

Ion Ratio Lower Upper

252 100

253 23.5 16.8 25.2

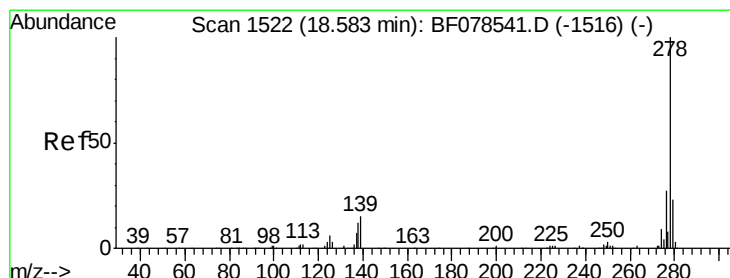
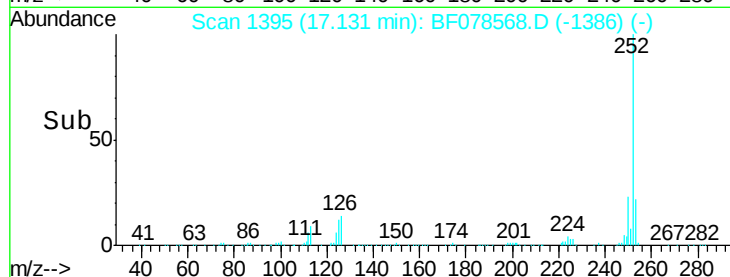
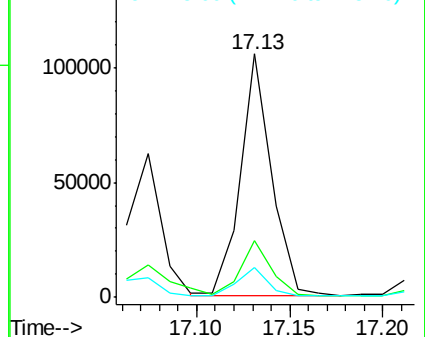
125 12.4 7.4 11.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.35 ng

RT: 18.41 min Scan# 1507

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

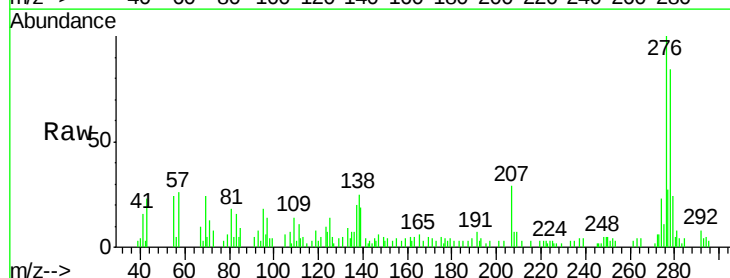
Tgt Ion: 278 Resp: 18988

Ion Ratio Lower Upper

278 100

139 22.6 13.6 20.4#

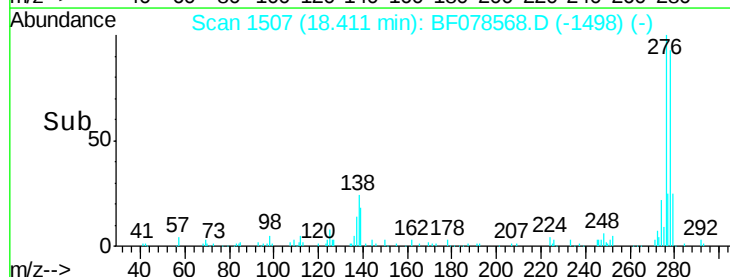
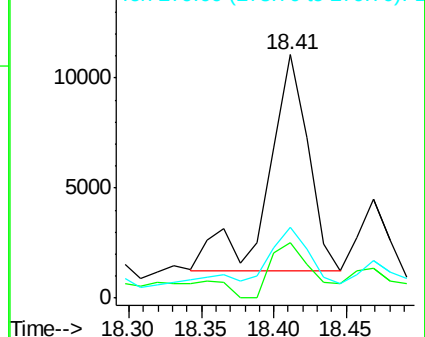
279 29.0 19.0 28.6#

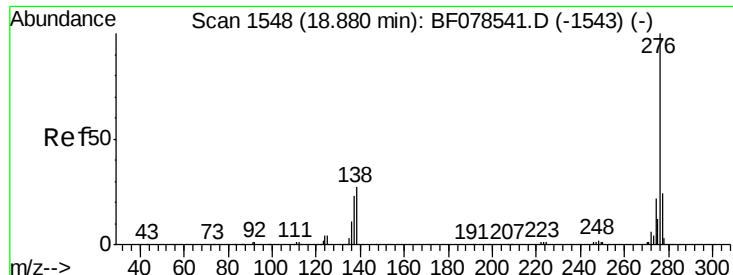


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 8.52 ng
 RT: 18.72 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-82D

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	23.8	19.9	29.9

