

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078957.D
 Acq On : 6 May 2015 13:43
 Operator : TP/IZ
 Sample : G2044-19
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-56S

Quant Time: May 07 01:07:41 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	69101	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	282731	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	132300	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	254762	20.00	ng	0.00
75) Chrysene-d12	16.24	240	238037	20.00	ng	-0.07
86) Perylene-d12	17.99	264	304460	20.00	ng	-0.24

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	470065	117.10	ng	0.01
7) Phenol-d6	6.90	99	645308	121.61	ng	0.01
23) Nitrobenzene-d5	8.03	82	348611	70.86	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	162105	113.26	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	630754	66.42	ng	0.00
78) Terphenyl-d14	0.00	244	0	0.00	ng	

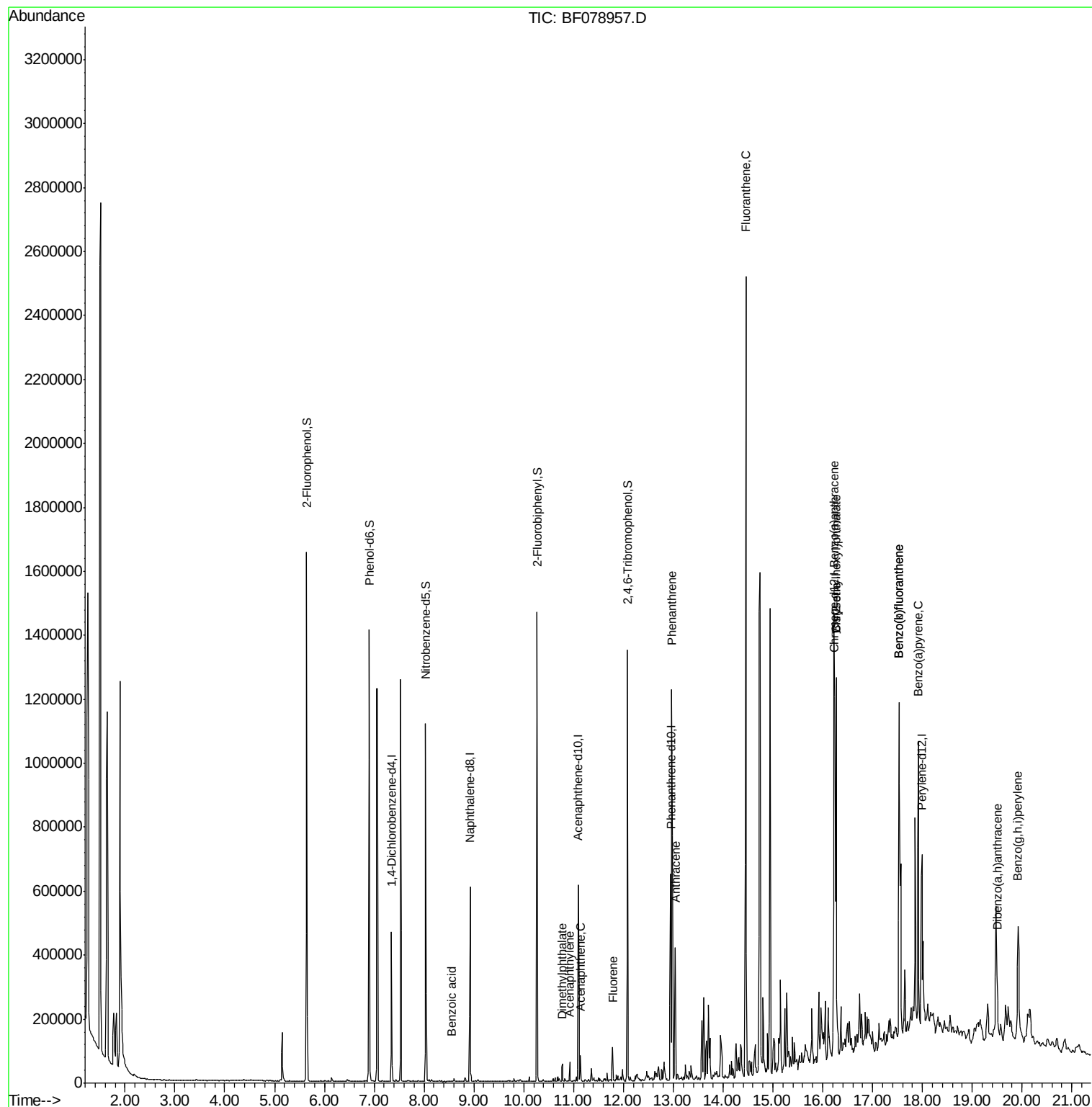
Target Compounds						Qvalue
32) Benzoic acid	8.55	122	234	6.39	ng	# 75
48) Acenaphthylene	10.93	152	27742	2.06	ng	99
49) Dimethylphthalate	10.78	163	30594	3.15	ng	# 99
51) Acenaphthene	11.14	154	21167	2.64	ng	95
57) Fluorene	11.78	166	29158	3.06	ng	98
70) Phenanthrene	12.97	178	583453	40.94	ng	99
71) Anthracene	13.04	178	161828	11.57	ng	98
74) Fluoranthene	14.46	202	1046240	70.45	ng	99
80) Benzo(a)anthracene	16.23	228	586829	45.02	ng	98
82) Chrysene	16.27	228	443458	35.37	ng	97
83) Bis(2-ethylhexyl)phthalate	16.27	149	25740	2.83	ng	# 94
87) Benzo(b)fluoranthene	17.53	252	570815	34.25	ng	98
88) Benzo(k)fluoranthene	17.53	252	870763	53.97	ng	98
89) Benzo(a)pyrene	17.92	252	453023	29.52	ng	97
90) Dibenzo(a,h)anthracene	19.50	278	77975	4.78	ng	93
91) Benzo(g,h,i)perylene	19.92	276	291740	17.85	ng	96

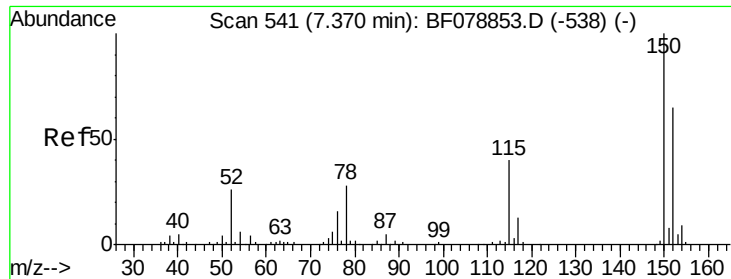
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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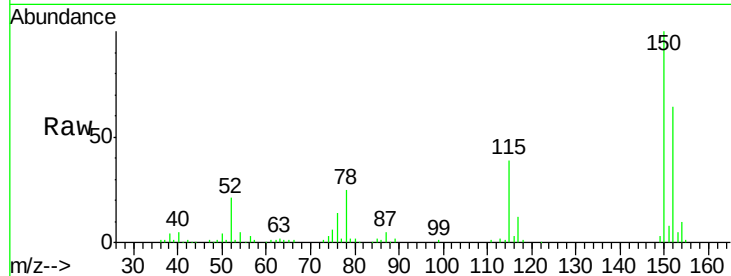




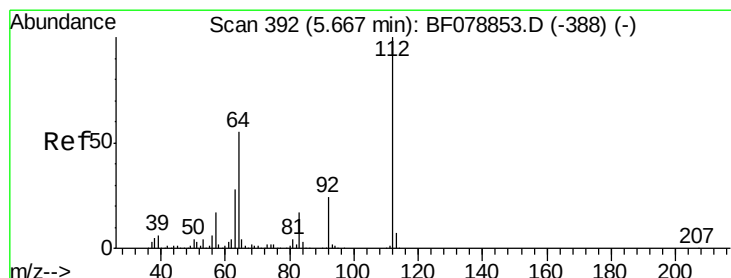
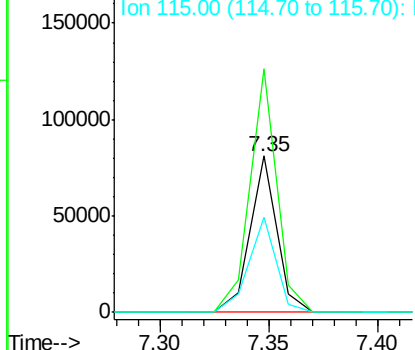
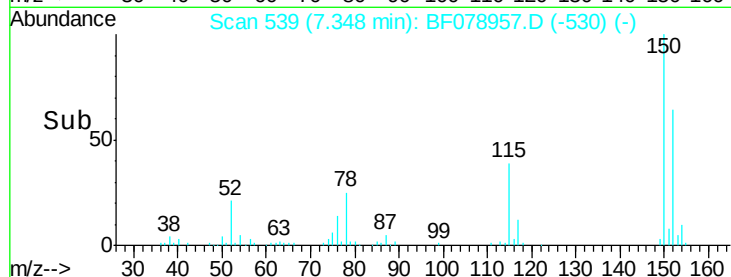
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-56S

Tgt Ion:152 Resp: 69101
 Ion Ratio Lower Upper
 152 100
 150 156.0 122.0 183.0
 115 60.6 46.3 69.5

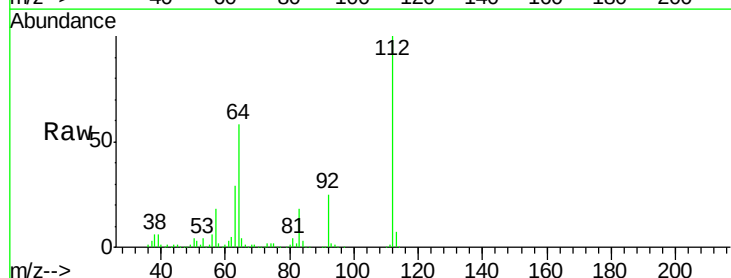


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

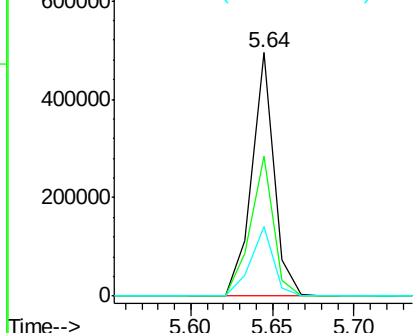
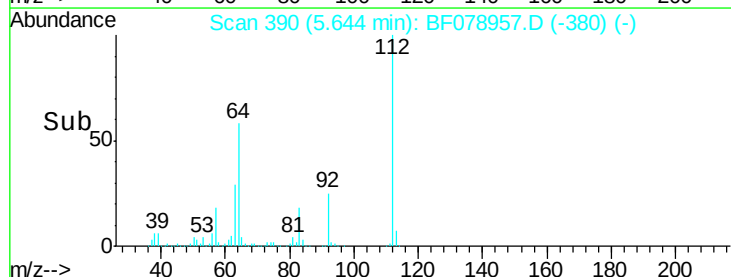


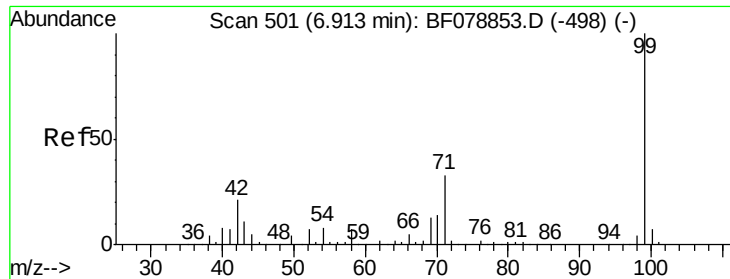
#5
 2-Fluorophenol
 Concen: 117.10 ng
 RT: 5.64 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Tgt Ion:112 Resp: 470065
 Ion Ratio Lower Upper
 112 100
 64 57.7 53.5 80.3
 63 28.7 27.5 41.3



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: 121.61 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Instrument :

BNA_F

ClientSampleId :

SB-56S

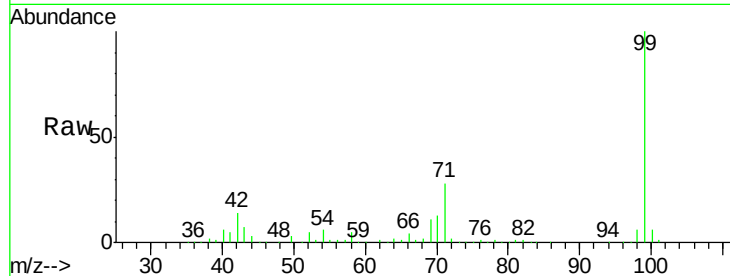
Tgt Ion: 99 Resp: 645308

Ion Ratio Lower Upper

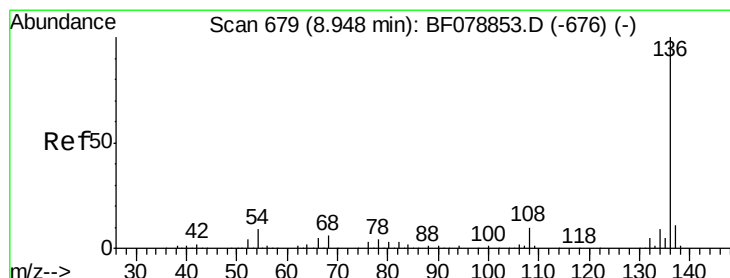
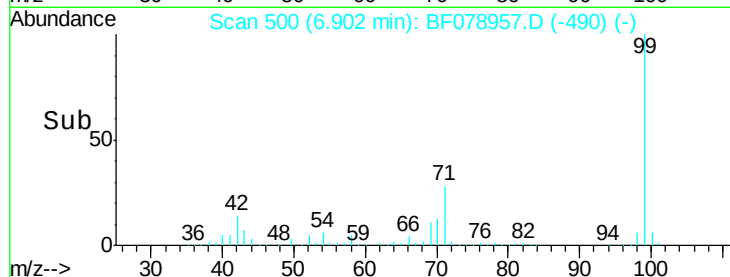
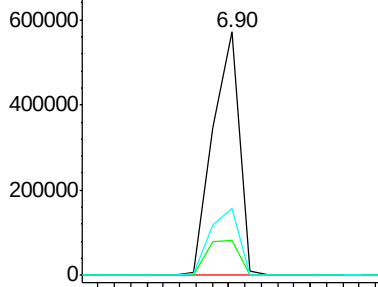
99 100

42 14.4 12.8 19.2

71 27.8 23.4 35.2



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: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Tgt Ion: 136 Resp: 282731

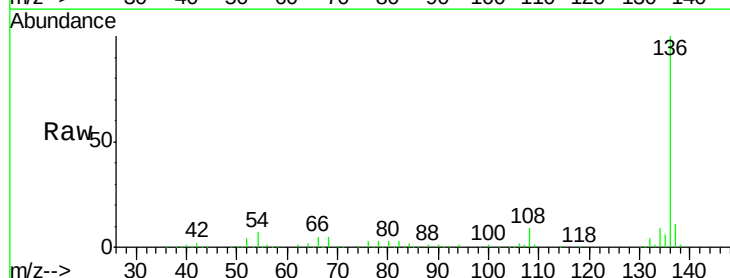
Ion Ratio Lower Upper

136 100

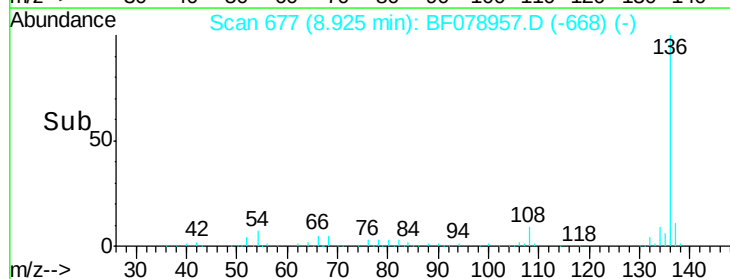
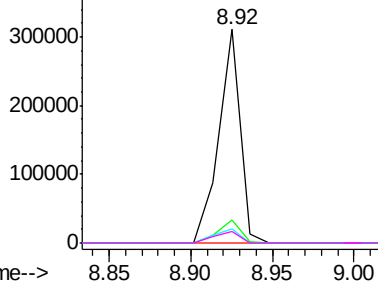
137 10.8 8.7 13.1

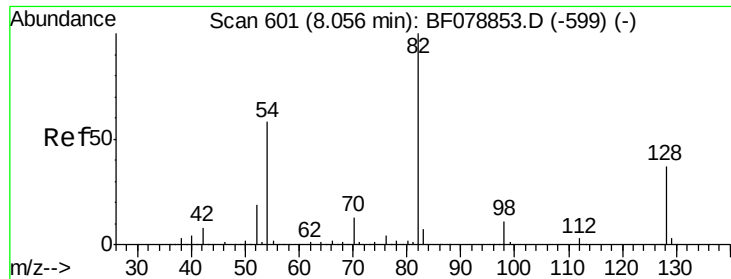
54 6.6 5.8 8.8

68 5.2 4.2 6.4



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

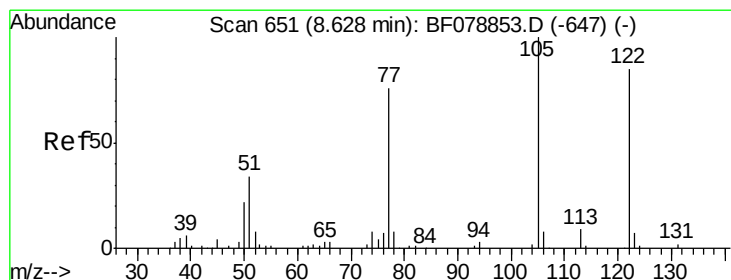
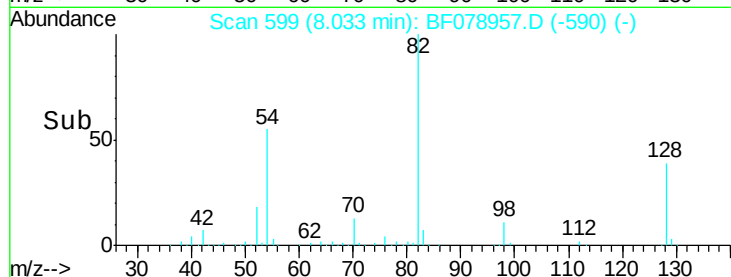
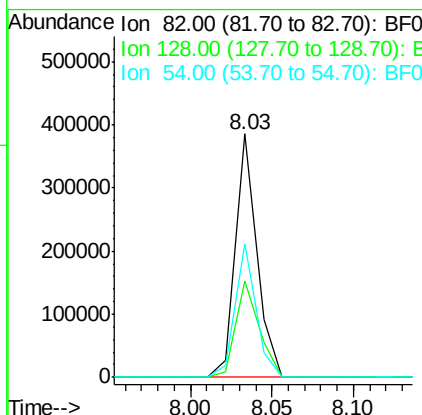
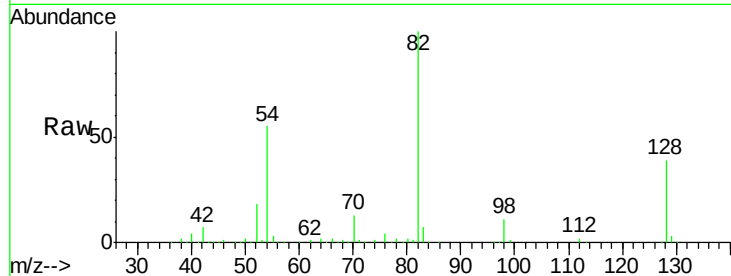




#23
 Nitrobenzene-d5
 Concen: 70.86 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

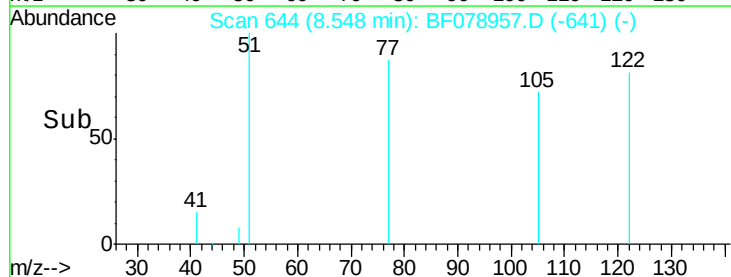
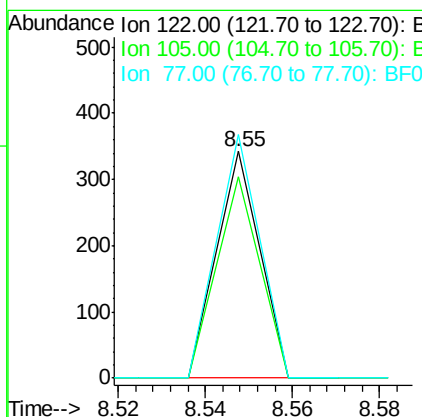
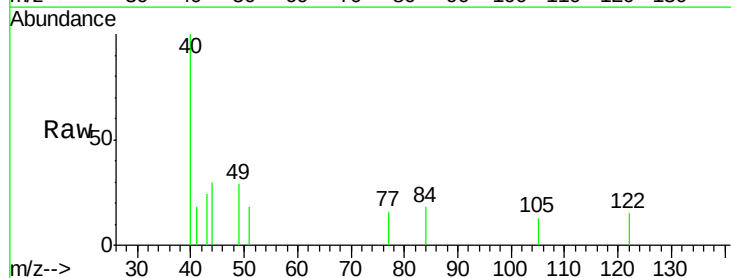
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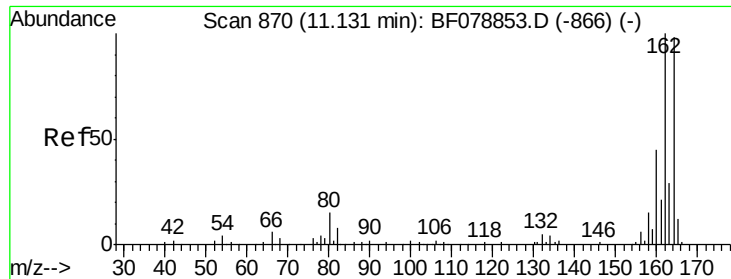
Tgt Ion: 82 Resp: 348611
 Ion Ratio Lower Upper
 82 100
 128 39.3 30.0 45.0
 54 54.6 46.4 69.6



#32
 Benzoic acid
 Concen: 6.39 ng
 RT: 8.55 min Scan# 644
 Delta R.T. -0.07 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Tgt Ion: 122 Resp: 234
 Ion Ratio Lower Upper
 122 100
 105 88.9 107.1 147.1#
 77 107.6 73.9 113.9

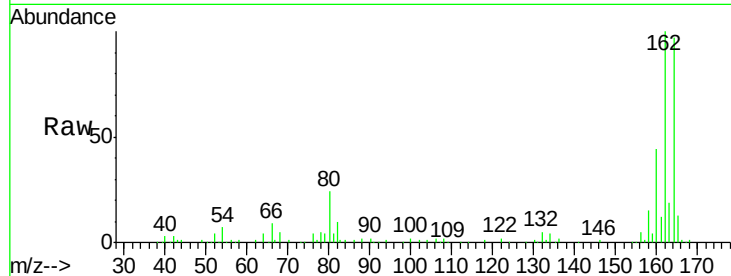




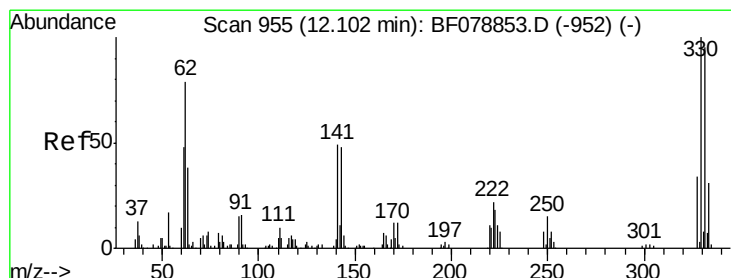
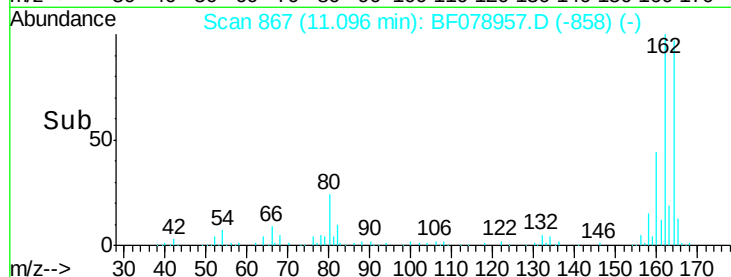
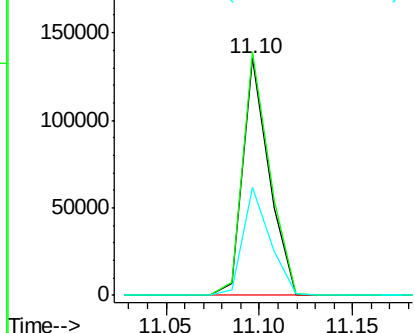
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. 0.00 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Instrument :
BNA_F
ClientSampleId :
SB-56S

Tgt Ion:164 Resp: 132300
Ion Ratio Lower Upper
164 100
162 102.7 82.7 124.1
160 45.6 35.8 53.8

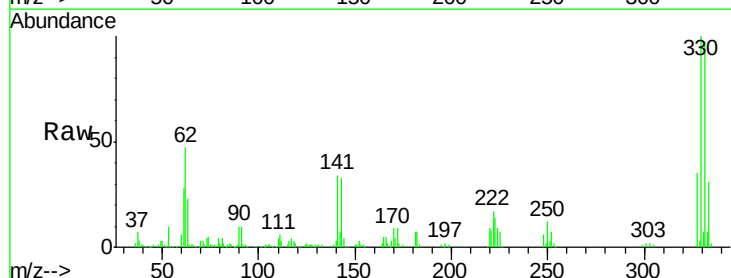


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

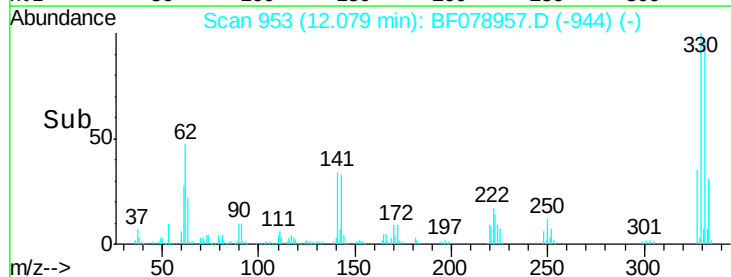
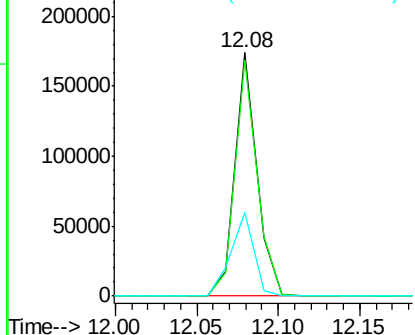


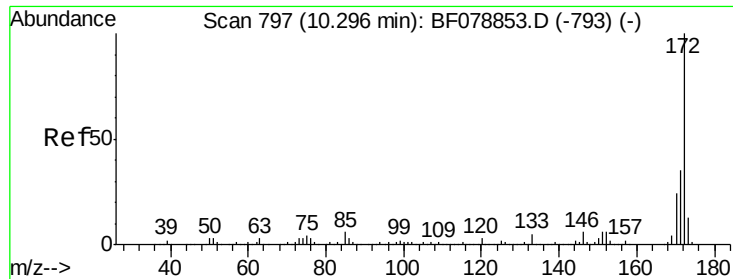
#41
2,4,6-Tribromophenol
Concen: 113.26 ng
RT: 12.08 min Scan# 953
Delta R.T. 0.00 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Tgt Ion:330 Resp: 162105
Ion Ratio Lower Upper
330 100
332 97.6 0.0 0.0#
141 35.9 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

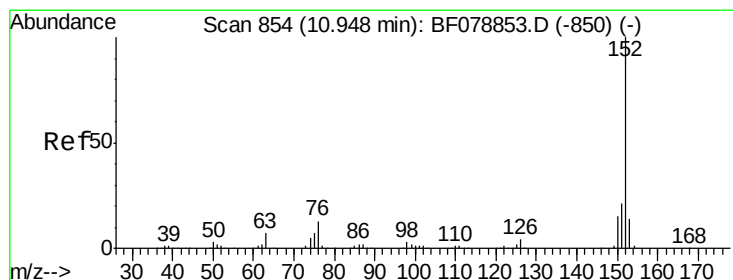
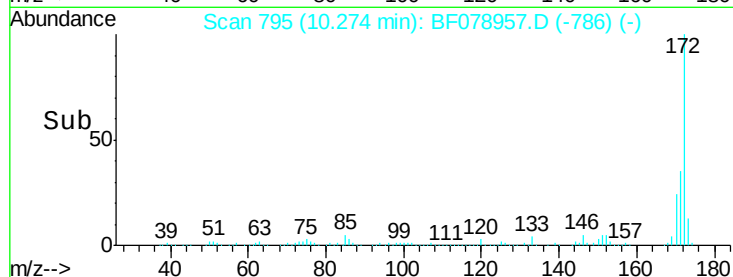
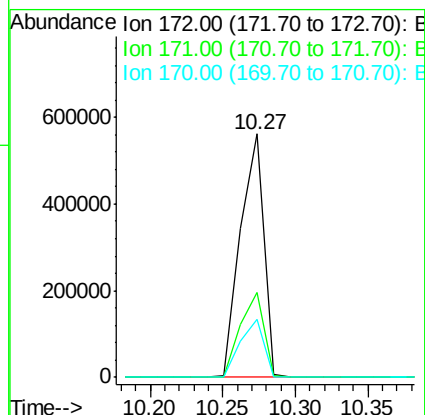
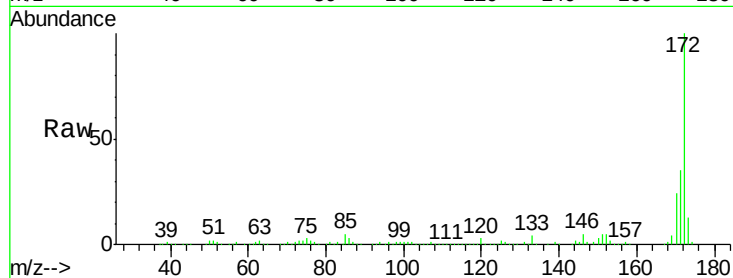




#44
2-Fluorobiphenyl
Concen: 66.42 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

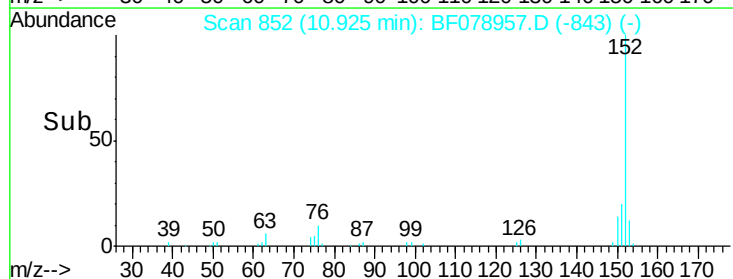
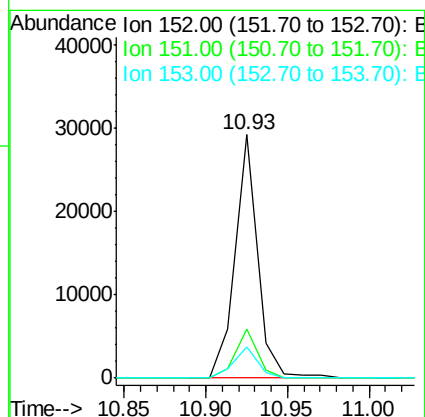
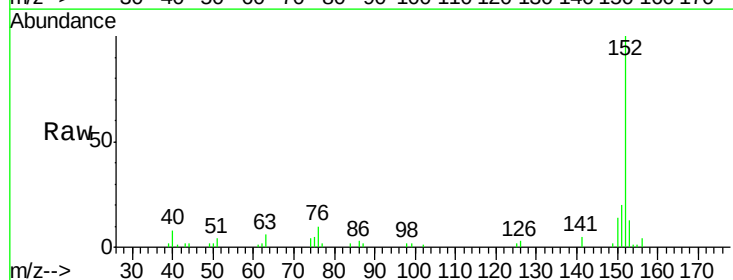
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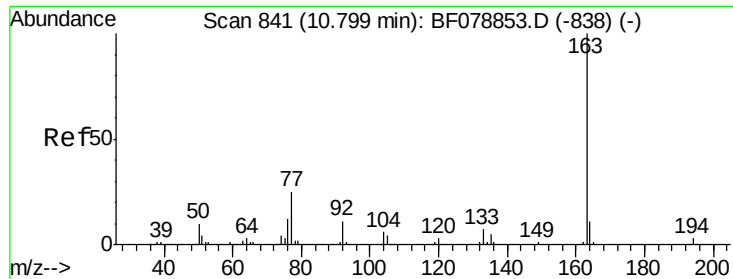
Tgt Ion:172 Resp: 630754
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.8 19.4 29.0



#48
Acenaphthylene
Concen: 2.06 ng
RT: 10.93 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Tgt Ion:152 Resp: 27742
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4
153 12.6 10.9 16.3





#49

Dimethylphthalate

Concen: 3.15 ng

RT: 10.78 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Instrument :

BNA_F

ClientSampleId :

SB-56S

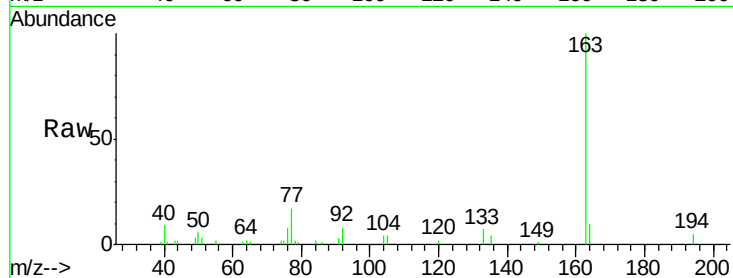
Tgt Ion:163 Resp: 30594

Ion Ratio Lower Upper

163 100

194 4.6 2.6 4.0#

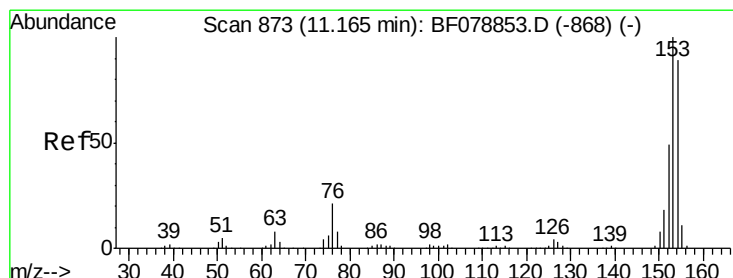
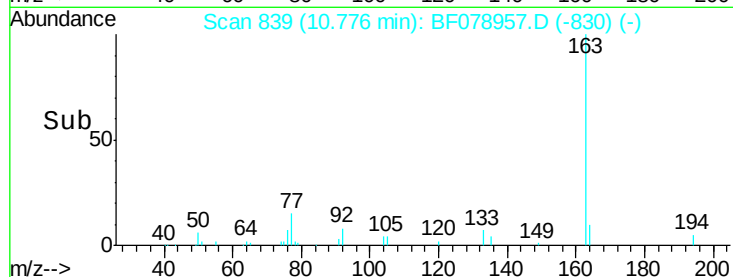
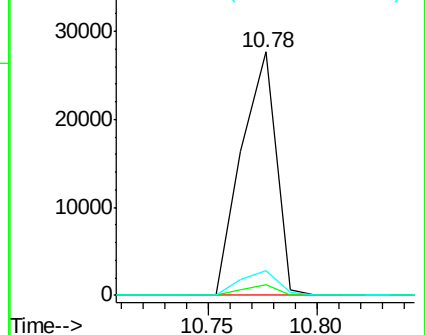
164 10.3 8.1 12.1



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



#51

Acenaphthene

Concen: 2.64 ng

RT: 11.14 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

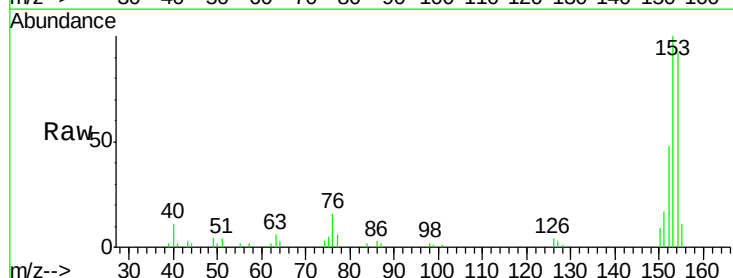
Tgt Ion:154 Resp: 21167

Ion Ratio Lower Upper

154 100

153 108.5 91.5 137.3

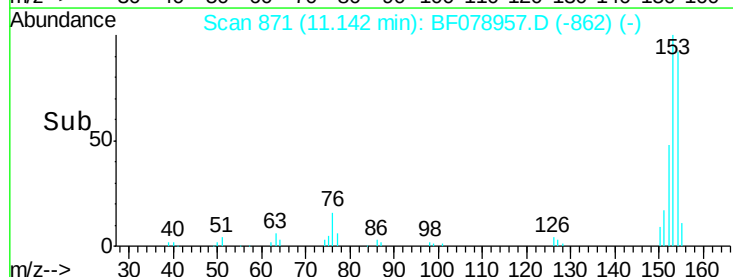
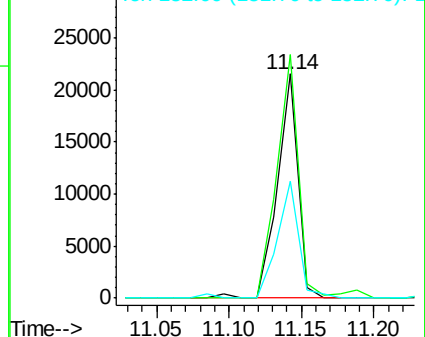
152 52.1 44.2 66.4

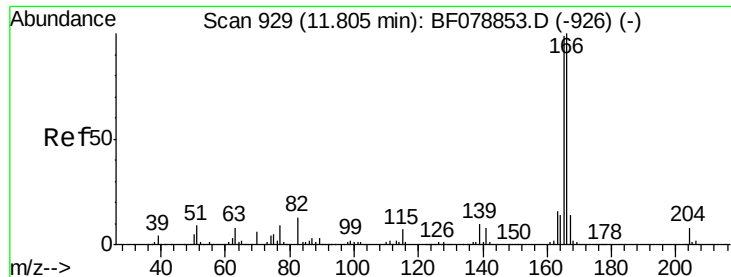


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

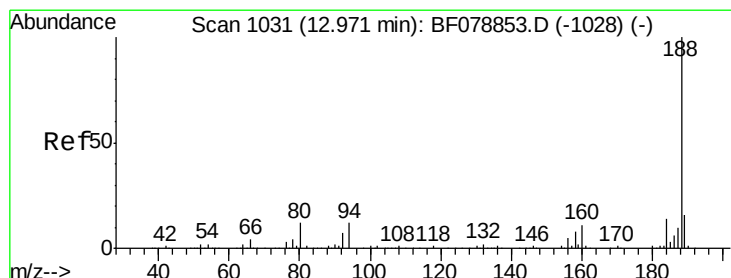
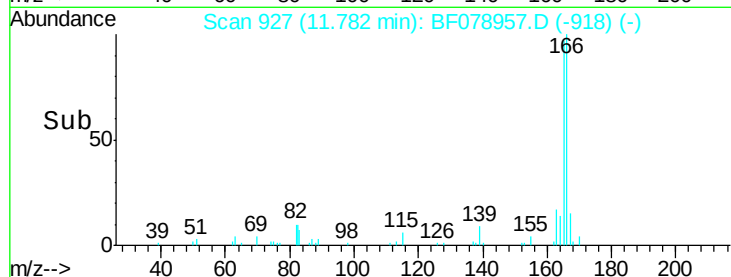
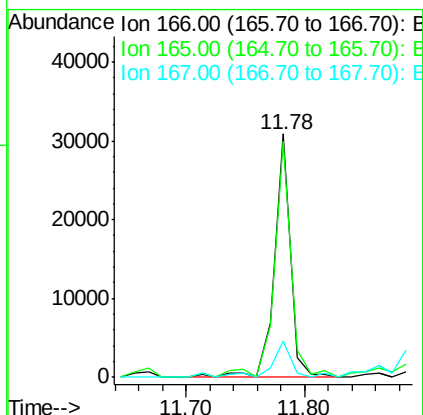
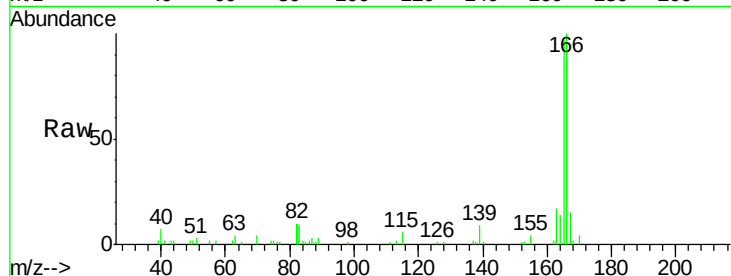




#57
 Fluorene
 Concen: 3.06 ng
 RT: 11.78 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

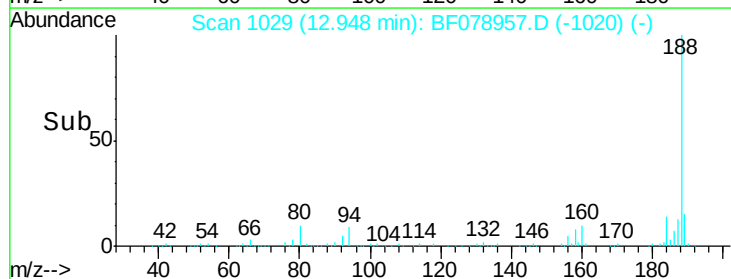
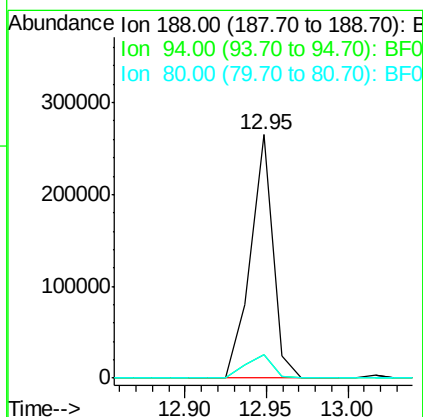
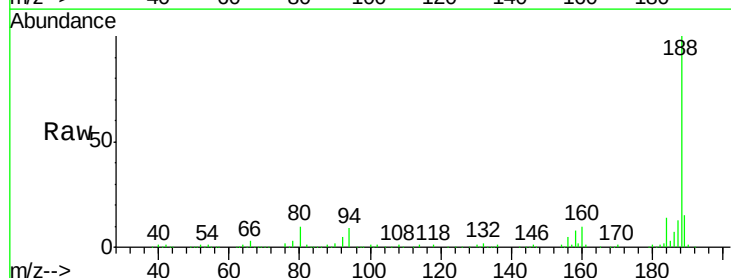
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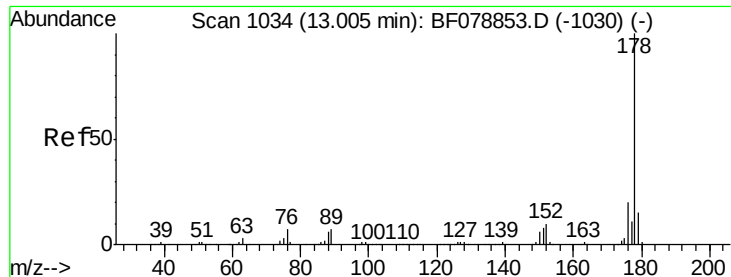
Tgt Ion:166 Resp: 29158
 Ion Ratio Lower Upper
 166 100
 165 96.7 78.5 117.7
 167 14.8 11.0 16.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Tgt Ion:188 Resp: 254762
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.2 12.2
 80 9.7 8.9 13.3





#70

Phenanthrene

Concen: 40.94 ng

RT: 12.97 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Instrument :

BNA_F

ClientSampleId :

SB-56S

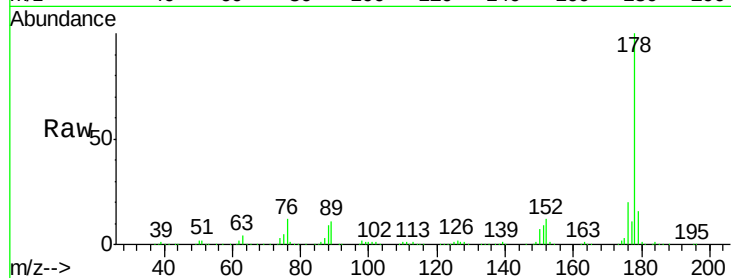
Tgt Ion:178 Resp: 583453

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

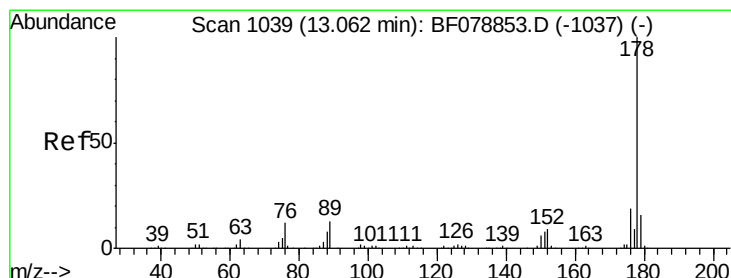
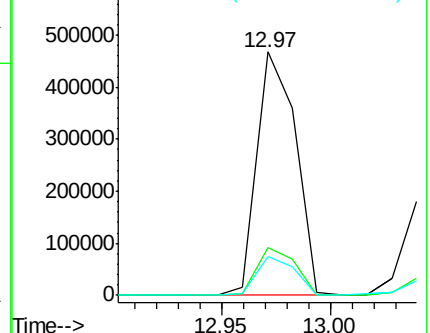
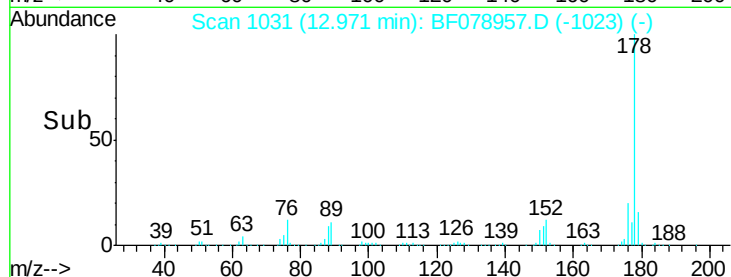
179 16.1 12.5 18.7



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: 11.57 ng

RT: 13.04 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

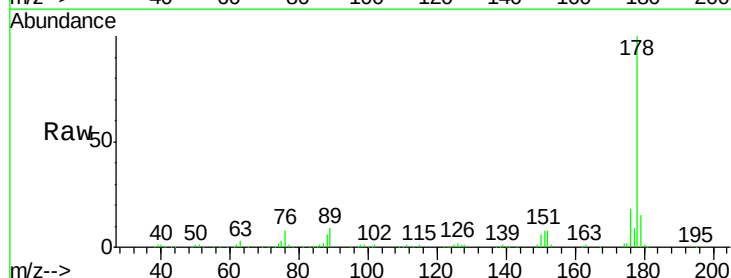
Tgt Ion:178 Resp: 161828

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

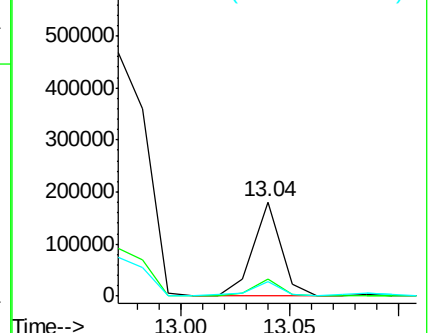
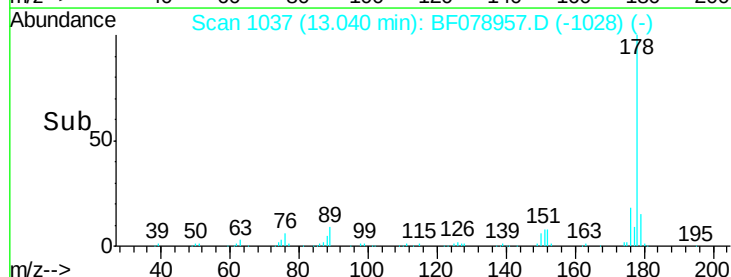
179 15.2 12.7 19.1

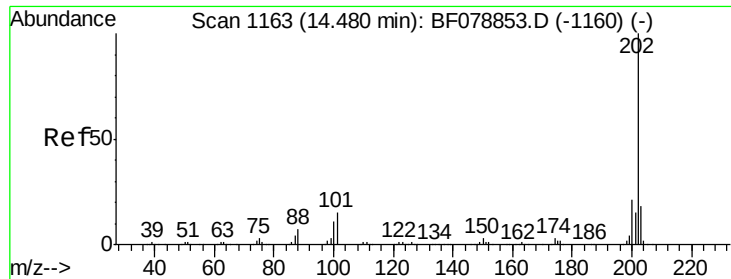


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 70.45 ng

RT: 14.46 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Instrument :

BNA_F

ClientSampleId :

SB-56S

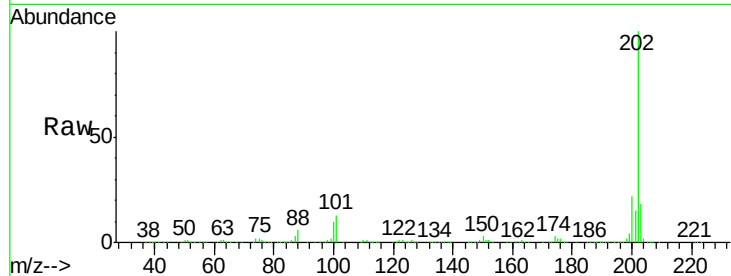
Tgt Ion:202 Resp: 1046240

Ion Ratio Lower Upper

202 100

101 13.5 0.0 34.6

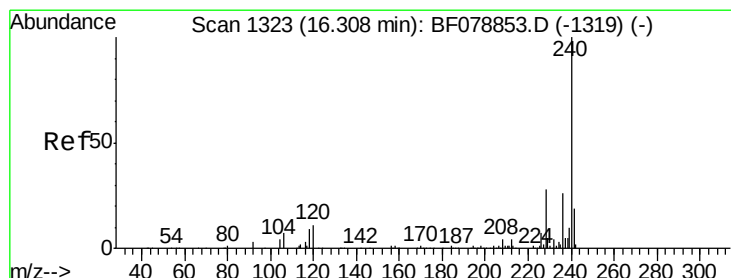
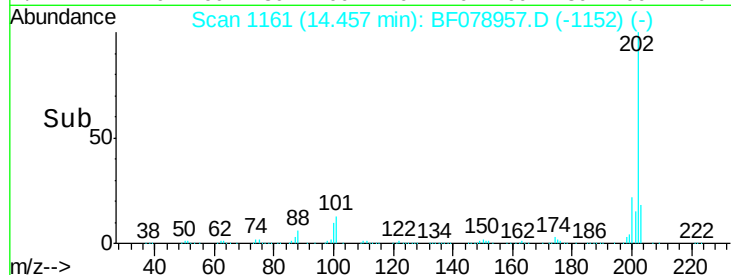
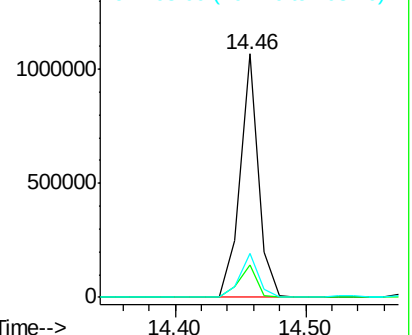
203 18.3 0.0 38.4



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: 16.24 min Scan# 1317

Delta R.T. -0.07 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

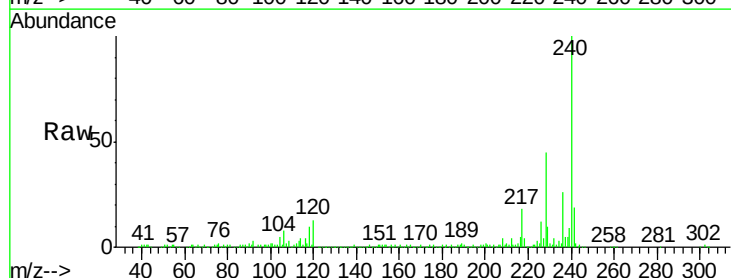
Tgt Ion:240 Resp: 238037

Ion Ratio Lower Upper

240 100

120 12.8 9.7 14.5

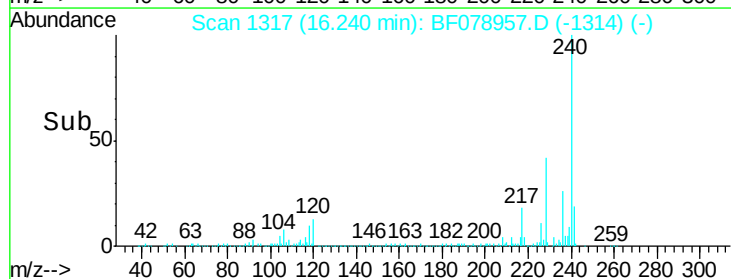
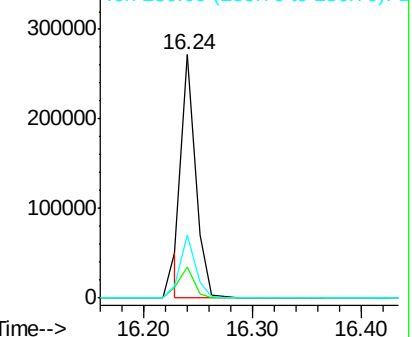
236 26.0 20.2 30.4

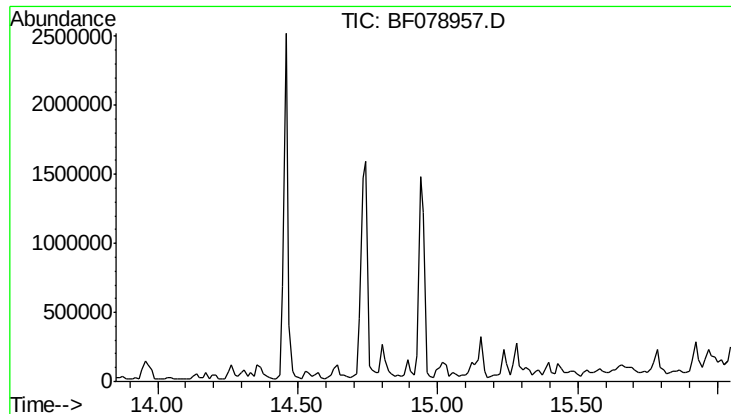


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

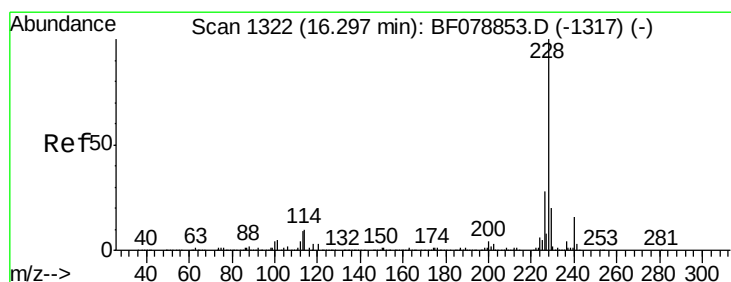
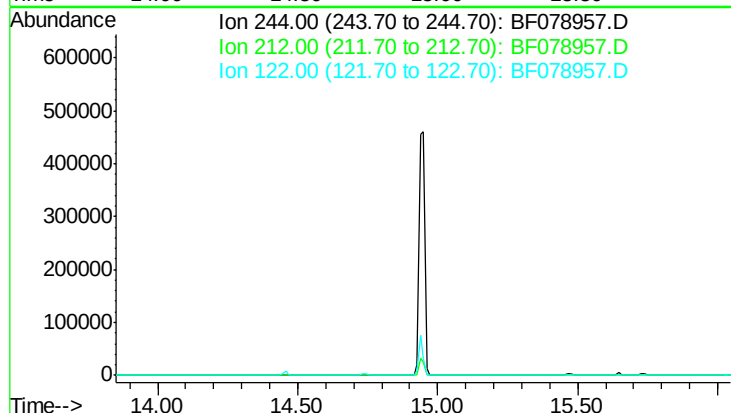




#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.95 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

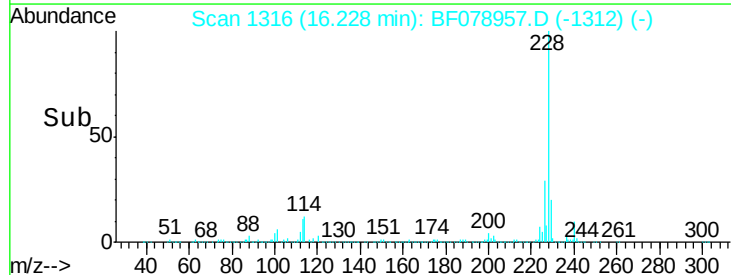
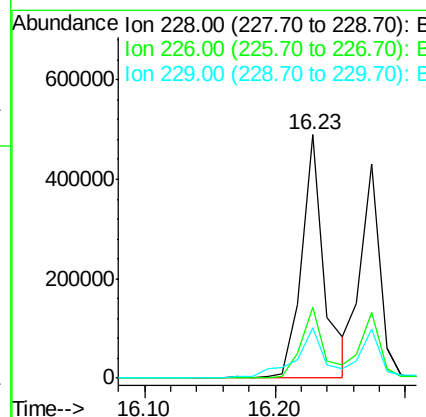
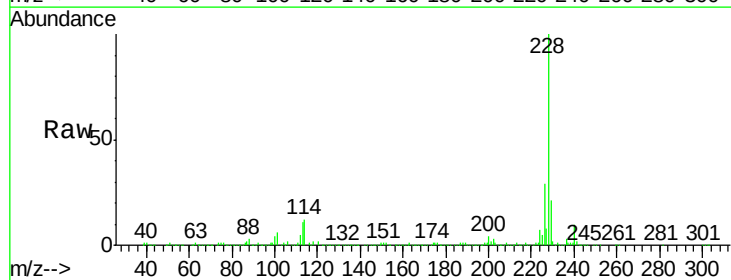
Instrument :
 BNA_F
 ClientSampleId :
 SB-56S

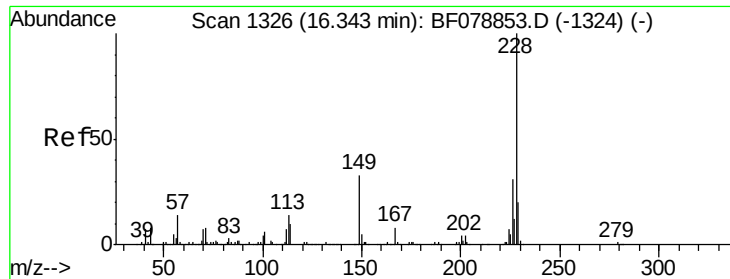
Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 7.0
 122 12.9



#80
 Benzo(a)anthracene
 Concen: 45.02 ng
 RT: 16.23 min Scan# 1316
 Delta R.T. -0.06 min
 Lab File: BF078957.D
 Acq: 6 May 2015 13:43

Tgt Ion: 228 Resp: 586829
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.6 33.8
 229 20.6 15.9 23.9





#82

Chrysene

Concen: 35.37 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.07 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Instrument :

BNA_F

ClientSampleId :

SB-56S

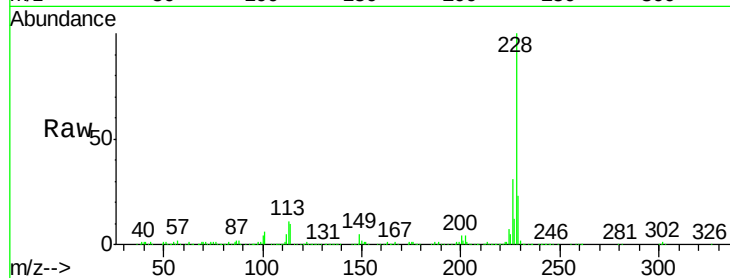
Tgt Ion: 228 Resp: 443458

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

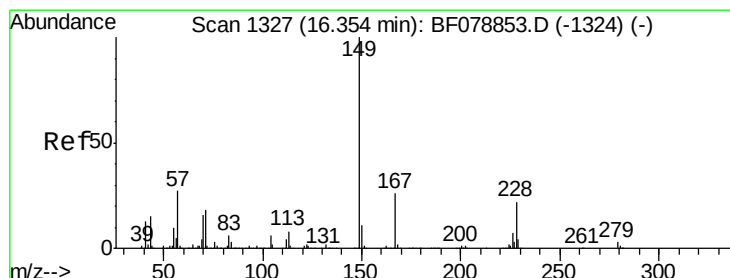
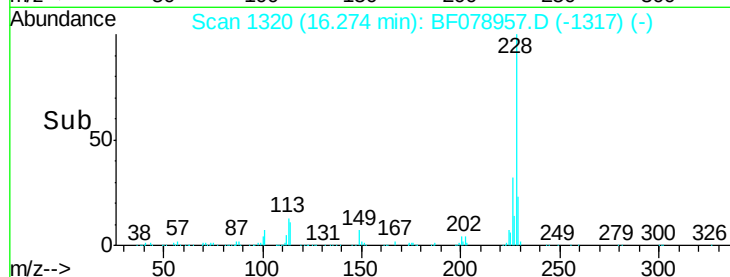
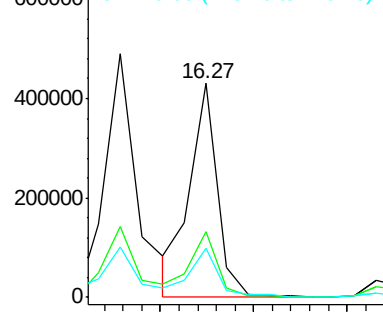
229 22.7 16.0 24.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.83 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.08 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

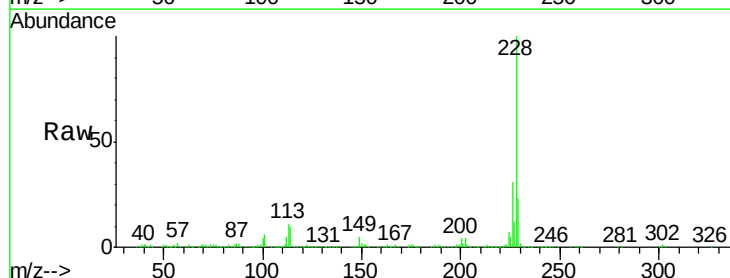
Tgt Ion: 149 Resp: 25740

Ion Ratio Lower Upper

149 100

167 23.9 21.8 32.8

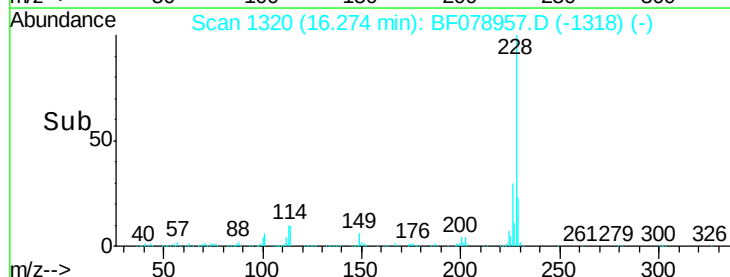
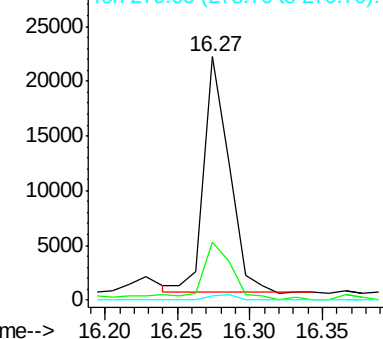
279 2.0 2.9 4.3#

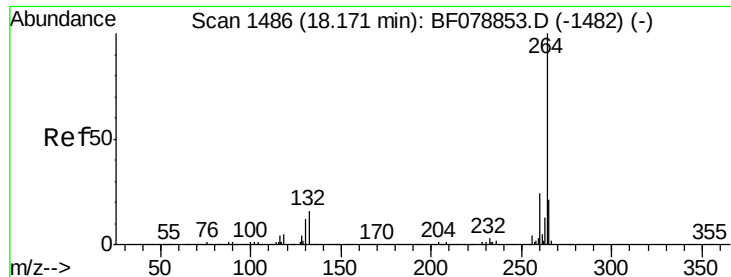


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

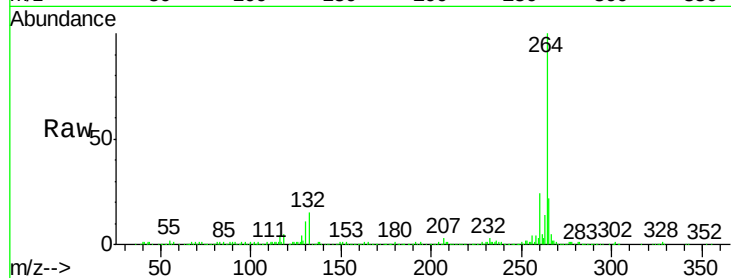




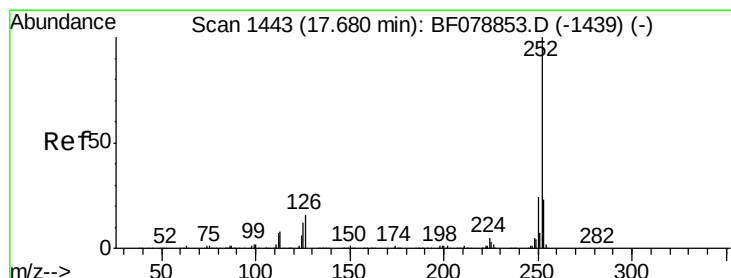
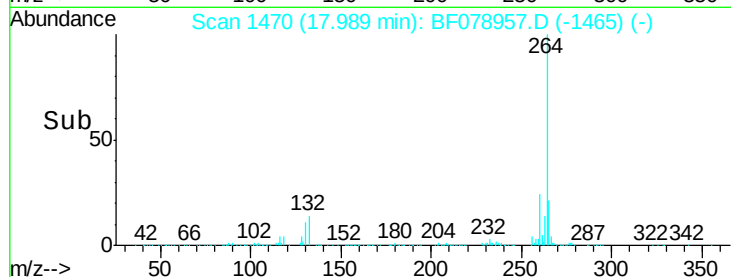
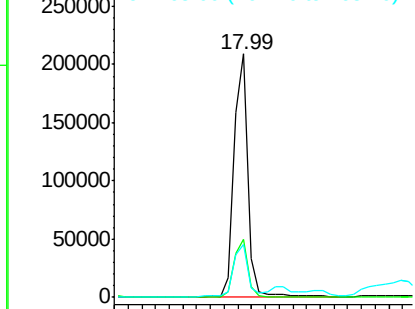
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.99 min Scan# 1470
Delta R.T. -0.24 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Instrument :
BNA_F
ClientSampleId :
SB-56S

Tgt Ion:264 Resp: 304460
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 21.8 18.3 27.5

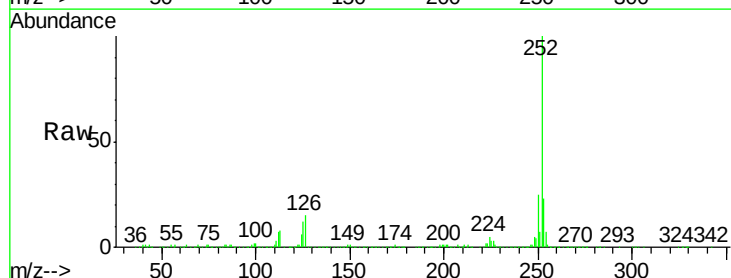


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

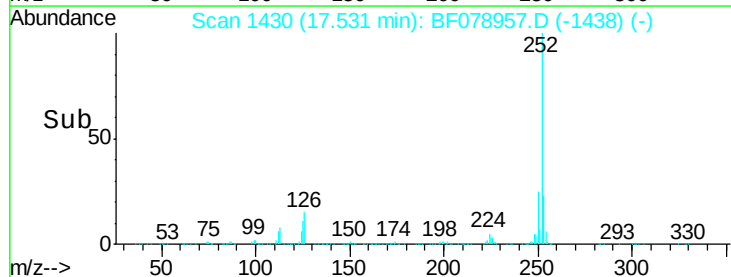
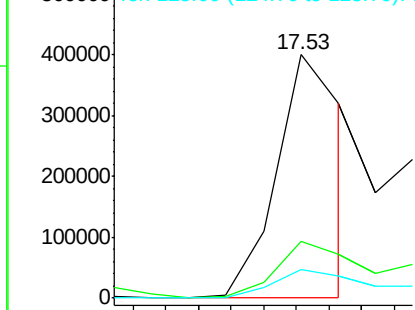


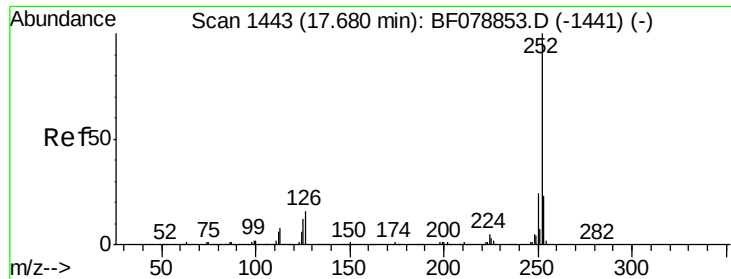
#87
Benzo(b)fluoranthene
Concen: 34.25 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.19 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Tgt Ion:252 Resp: 570815
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 11.6 9.5 14.3



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

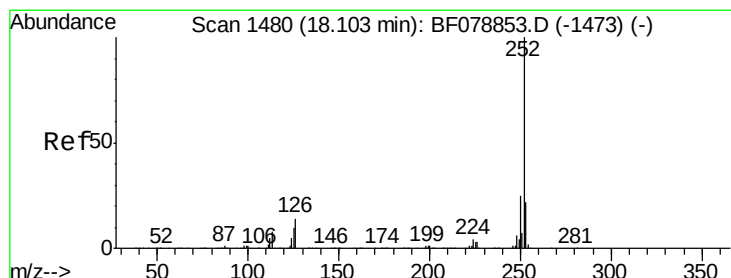
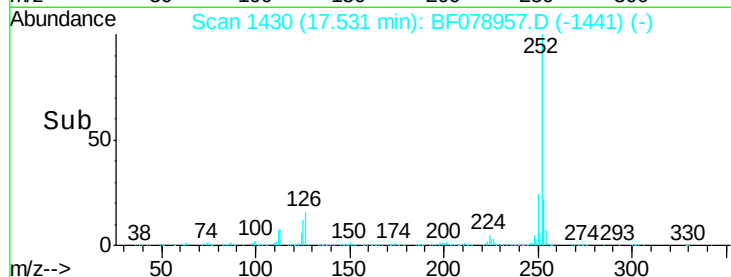
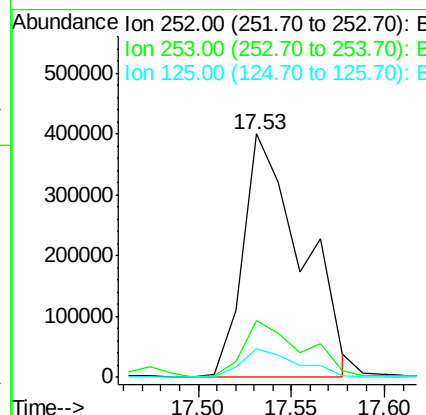
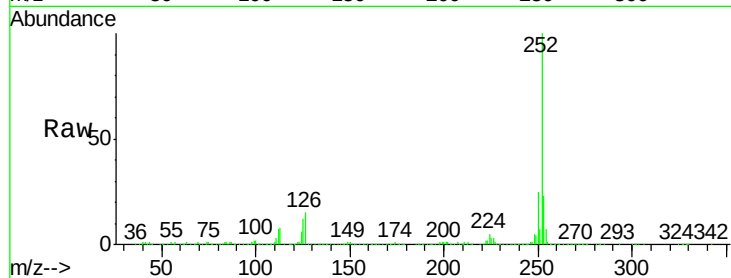




#88
Benzo(k)fluoranthene
Concen: 53.97 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.23 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

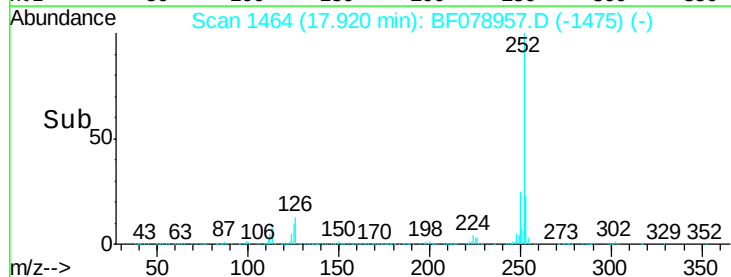
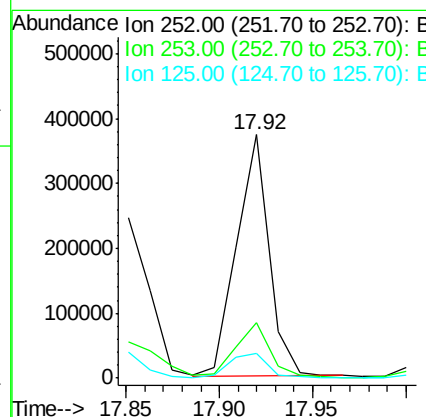
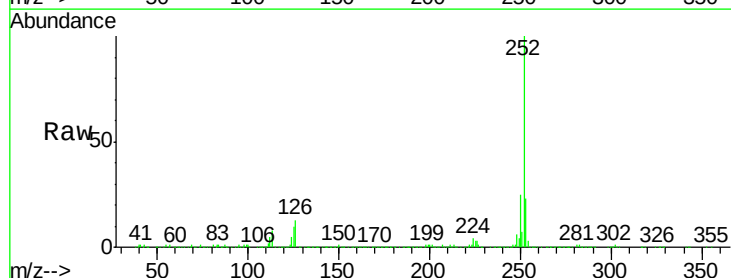
Instrument :
BNA_F
ClientSampleId :
SB-56S

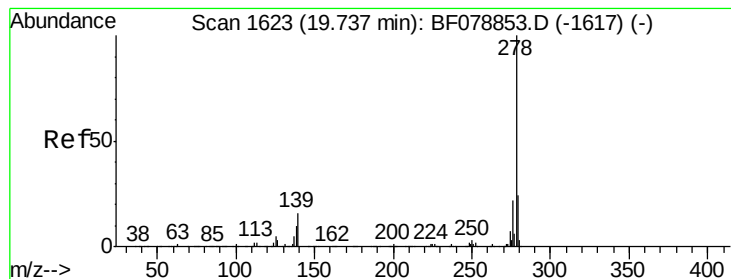
Tgt Ion:252 Resp: 870763
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 11.6 10.0 15.0



#89
Benzo(a)pyrene
Concen: 29.52 ng
RT: 17.92 min Scan# 1464
Delta R.T. -0.23 min
Lab File: BF078957.D
Acq: 6 May 2015 13:43

Tgt Ion:252 Resp: 453023
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 10.3 7.0 10.6





#90

Dibenzo(a,h)anthracene

Concen: 4.78 ng

RT: 19.50 min Scan# 1602

Delta R.T. -0.30 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

Instrument :

BNA_F

ClientSampleId :

SB-56S

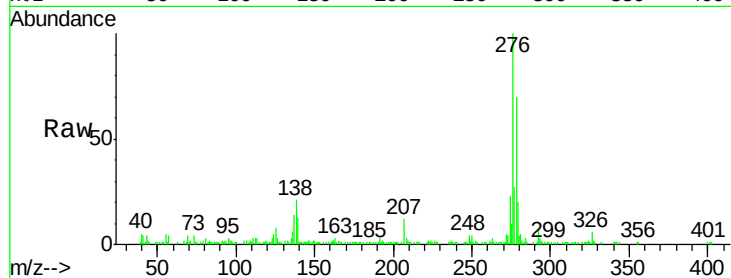
Tgt Ion:278 Resp: 77975

Ion Ratio Lower Upper

278 100

139 17.8 12.8 19.2

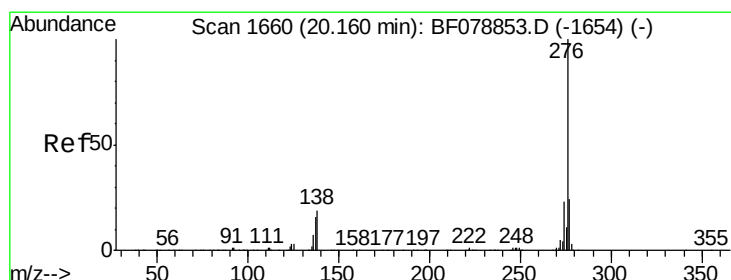
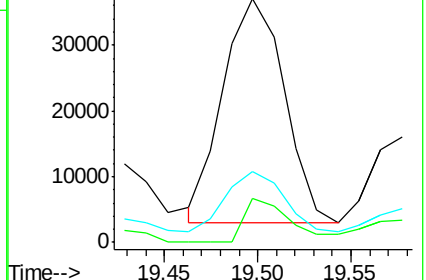
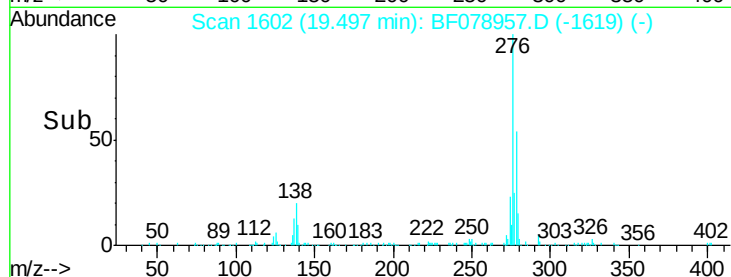
279 29.1 19.6 29.4



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: 17.85 ng

RT: 19.92 min Scan# 1639

Delta R.T. -0.29 min

Lab File: BF078957.D

Acq: 6 May 2015 13:43

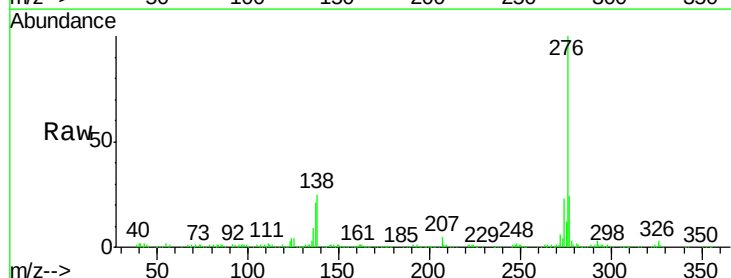
Tgt Ion:276 Resp: 291740

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 25.1 17.4 26.0



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

