

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078595.D
 Acq On : 17 Apr 2015 7:04
 Operator : TP/IZ
 Sample : G1828-07DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02ADL

Quant Time: Apr 17 06:58:33 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 03:45:36 2015
 Response via : Initial Calibration

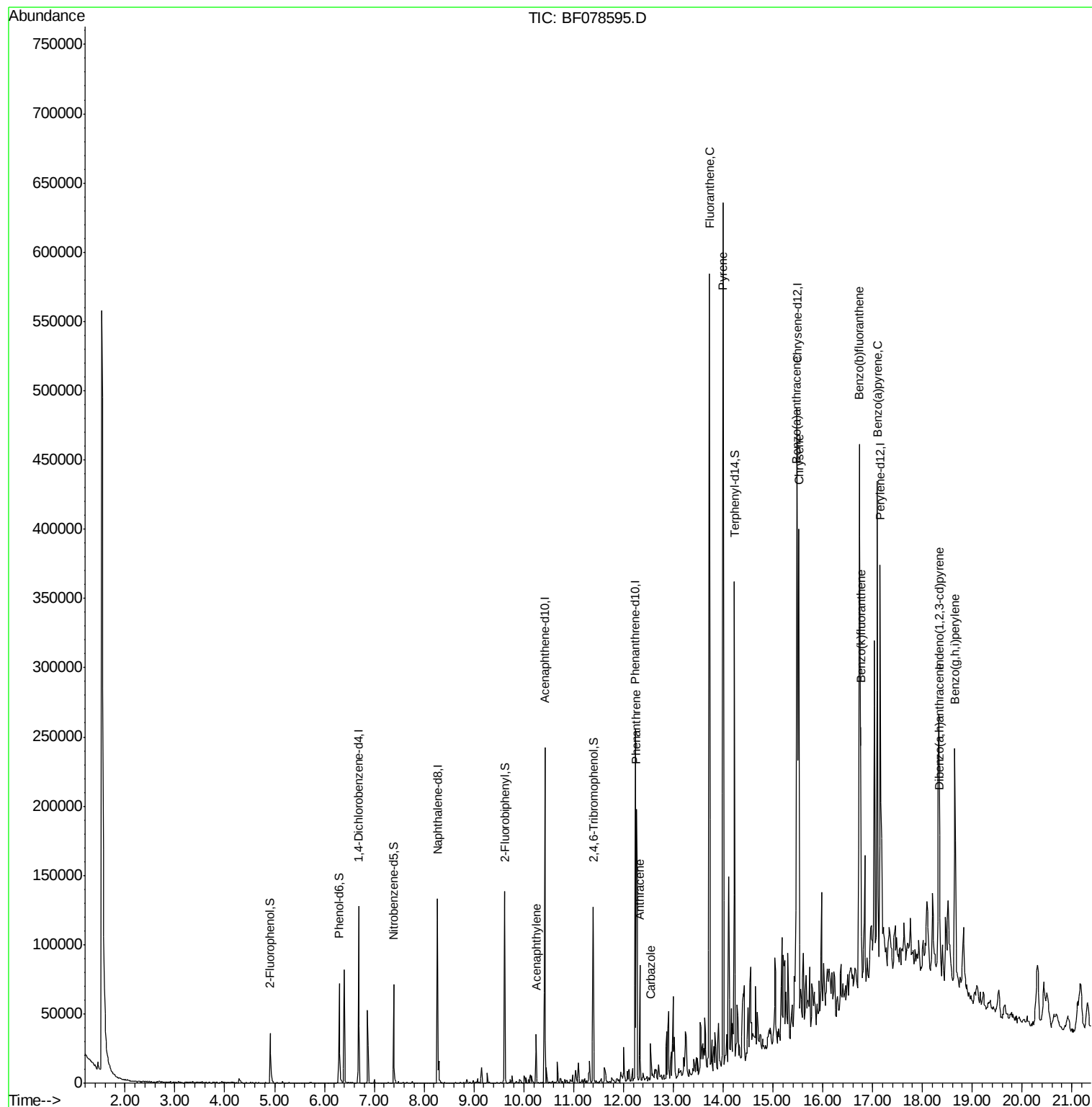
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	22036	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	92246	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	49056	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	102377	20.00	ng	0.00
75) Chrysene-d12	15.49	240	116478	20.00	ng	-0.01
86) Perylene-d12	17.15	264	125245	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	16885	12.63	ng	0.00
7) Phenol-d6	6.30	99	32297	19.28	ng	0.00
23) Nitrobenzene-d5	7.39	82	24178	15.89	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	14922	36.68	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	67835	19.77	ng	0.00
78) Terphenyl-d14	14.23	244	126408	24.52	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.25	152	22539	4.42	ng	100
70) Phenanthrene	12.26	178	104859	17.71	ng	99
71) Anthracene	12.33	178	36711	6.29	ng	98
72) Carbazole	12.55	167	11188	2.05	ng	# 96
74) Fluoranthene	13.73	202	256754	41.11	ng	96
77) Pyrene	14.00	202	250035	34.20	ng	# 95
80) Benzo(a)anthracene	15.47	228	172540	24.90	ng	94
82) Chrysene	15.52	228	148472	22.80	ng	98
85) Indeno(1,2,3-cd)pyrene	18.33	276	116087	15.71	ng	# 91
87) Benzo(b)fluoranthene	16.73	252	249860m	32.28	ng	
88) Benzo(k)fluoranthene	16.77	252	62125m	9.03	ng	
89) Benzo(a)pyrene	17.10	252	163343	24.18	ng	96
90) Dibenzo(a,h)anthracene	18.34	278	28385m	4.20	ng	
91) Benzo(g,h,i)perylene	18.65	276	106393	15.69	ng	99

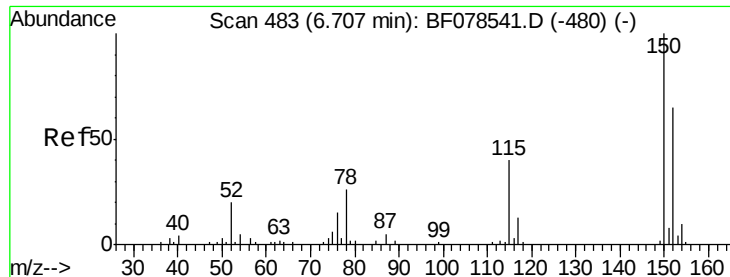
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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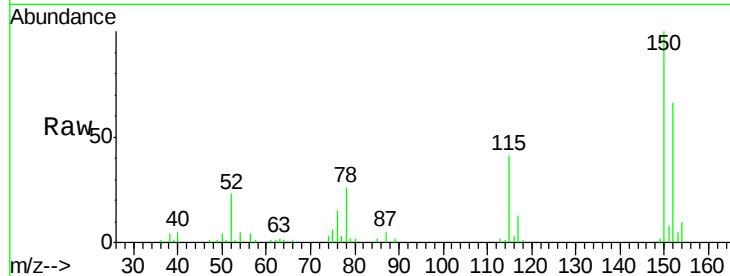


#1

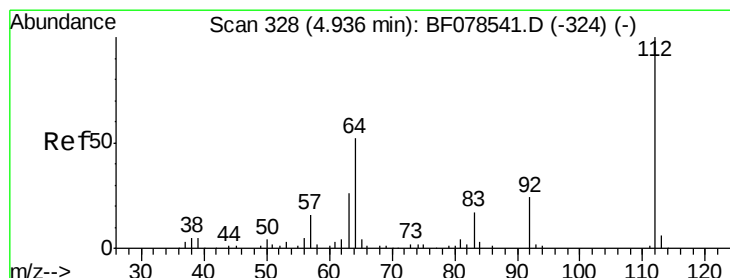
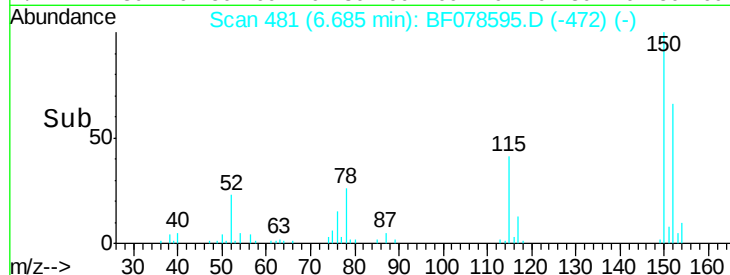
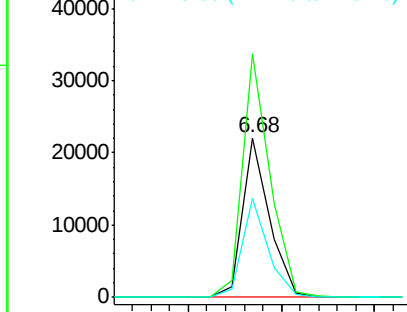
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 481
Delta R.T. 0.00 min
Lab File: BF078595.D
Acq: 17 Apr 2015 7:04

Instrument :
BNA_F
ClientSampleId :
HS-SB02ADL

Tgt Ion:152 Resp: 22036
Ion Ratio Lower Upper
152 100
150 152.4 125.9 188.9
115 61.8 52.7 79.1



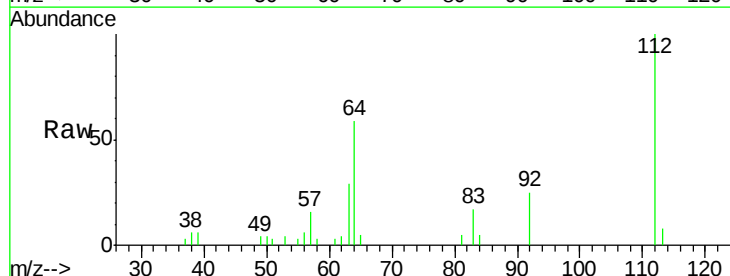
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



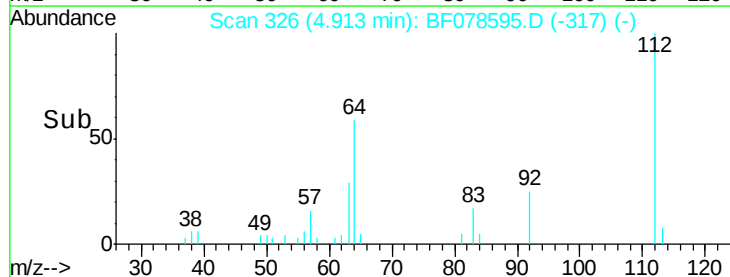
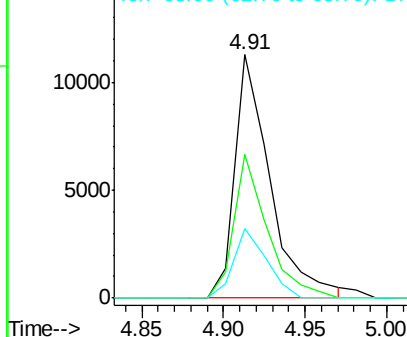
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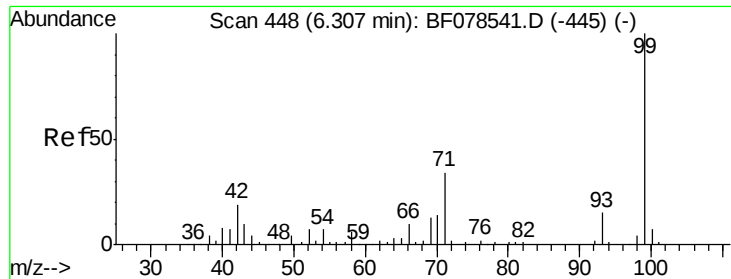
2-Fluorophenol
Concen: 12.63 ng
RT: 4.91 min Scan# 326
Delta R.T. 0.00 min
Lab File: BF078595.D
Acq: 17 Apr 2015 7:04

Tgt Ion:112 Resp: 16885
Ion Ratio Lower Upper
112 100
64 58.8 39.9 59.9
63 28.8 20.2 30.4



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: 19.28 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

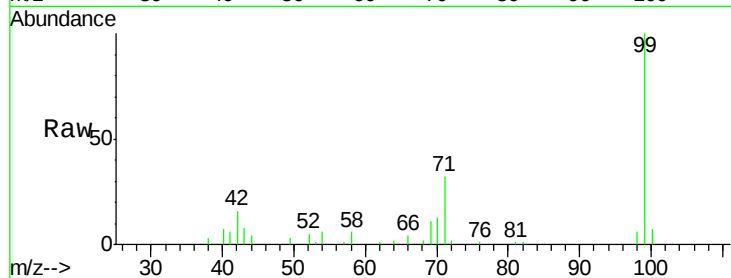
Tgt Ion: 99 Resp: 32297

Ion Ratio Lower Upper

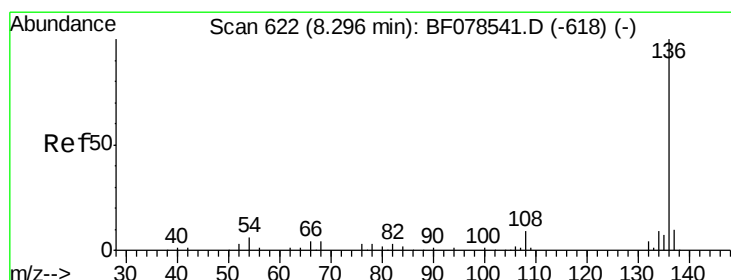
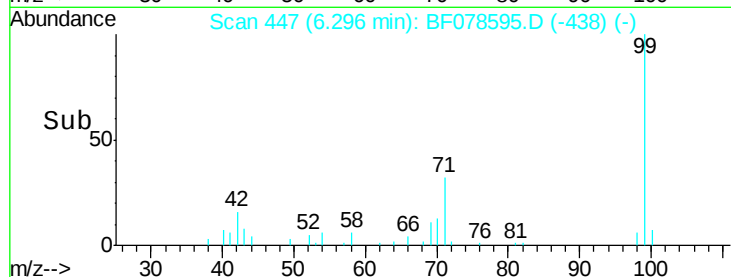
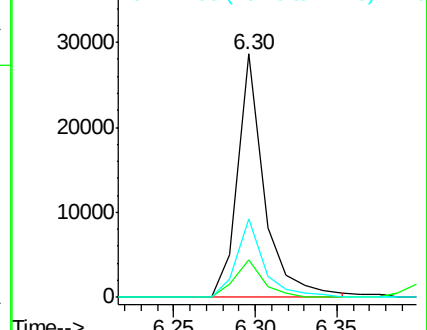
99 100

42 15.5 14.8 22.2

71 32.0 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: BF078595.D

Acq: 17 Apr 2015 7:04

Tgt Ion: 136 Resp: 92246

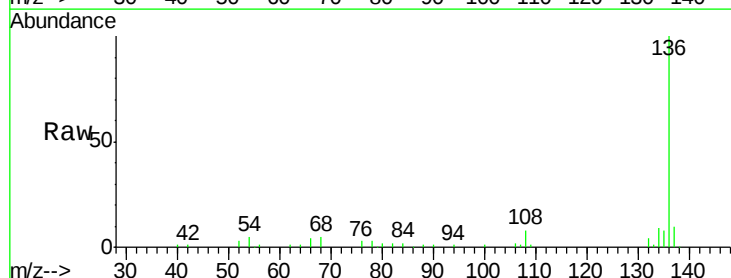
Ion Ratio Lower Upper

136 100

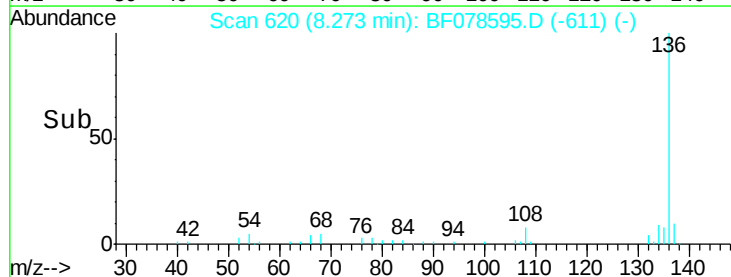
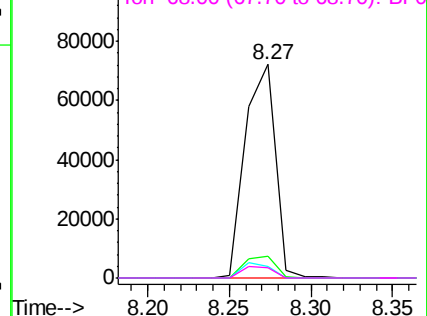
137 10.3 9.0 13.4

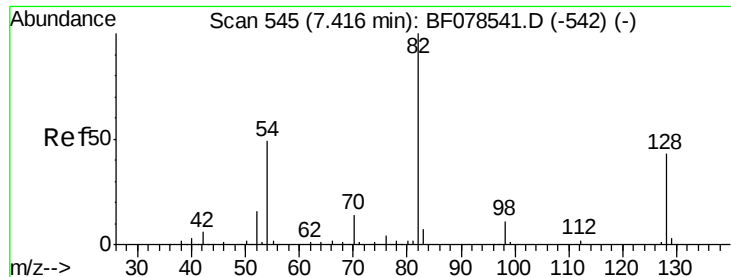
54 5.2 7.0 10.6#

68 4.9 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

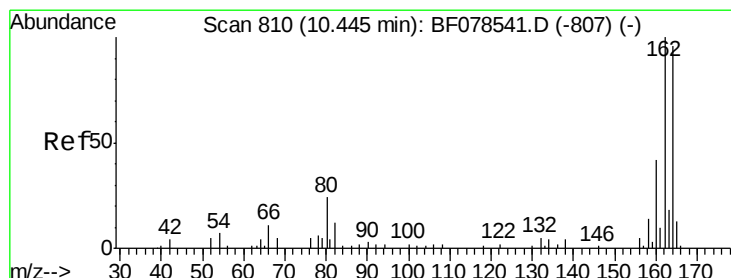
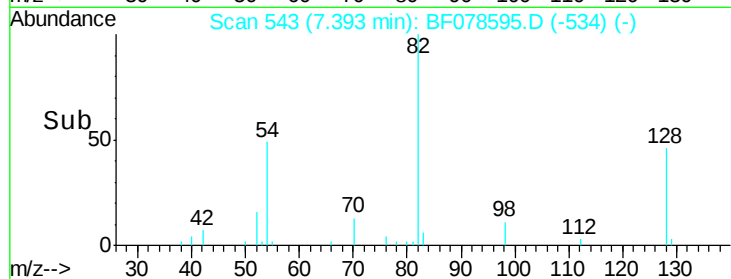
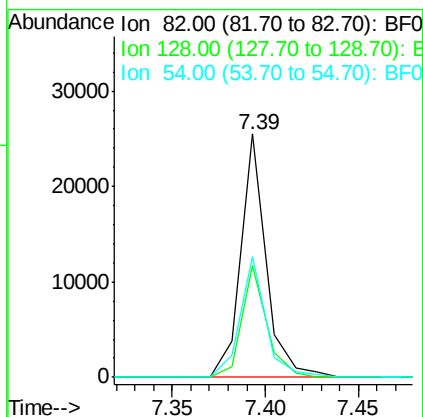
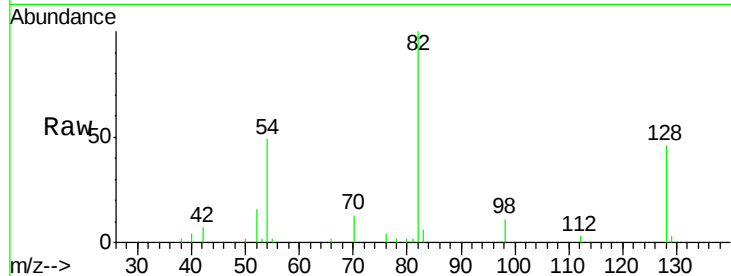




#23
 Nitrobenzene-d5
 Concen: 15.89 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

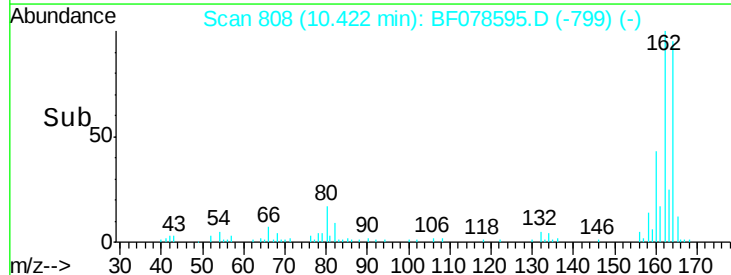
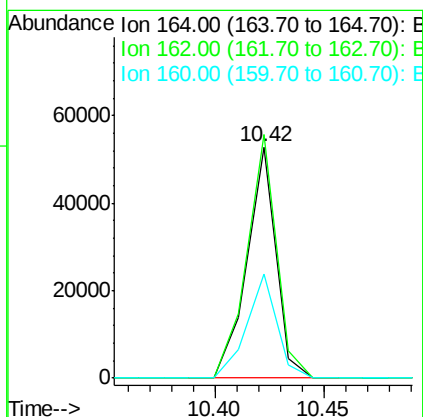
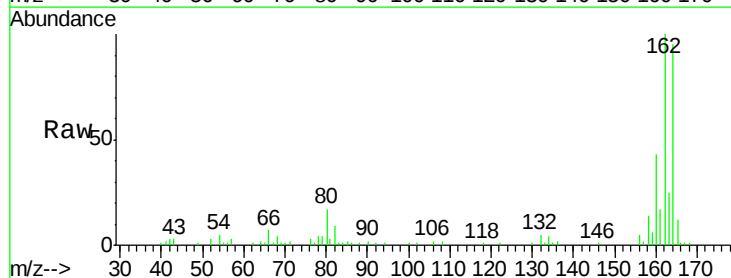
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02ADL

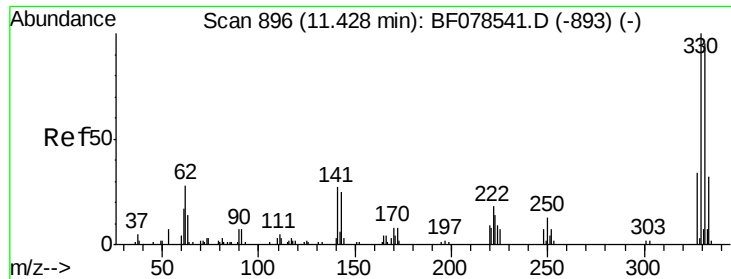
Tgt Ion: 82 Resp: 24178
 Ion Ratio Lower Upper
 82 100
 128 45.8 31.8 47.8
 54 49.4 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Tgt Ion: 164 Resp: 49056
 Ion Ratio Lower Upper
 164 100
 162 105.2 82.2 123.2
 160 45.0 34.7 52.1

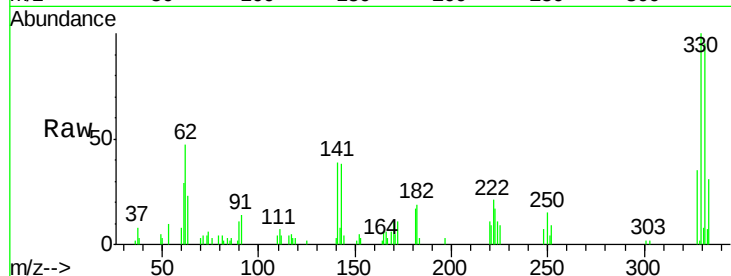




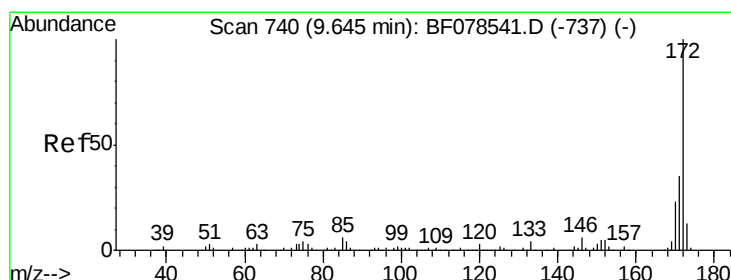
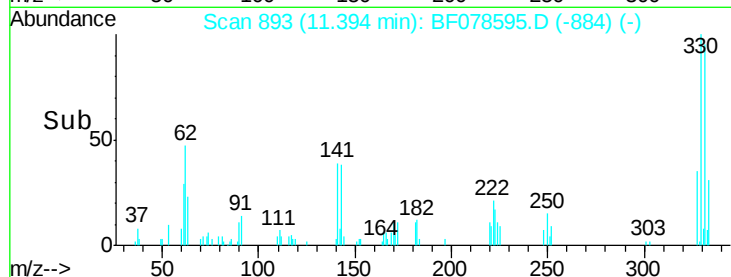
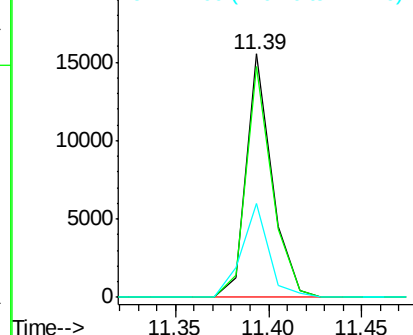
#41
 2,4,6-Tribromophenol
 Concen: 36.68 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02ADL

Tgt Ion:330 Resp: 14922
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.6 117.8
 141 41.0 31.2 46.8

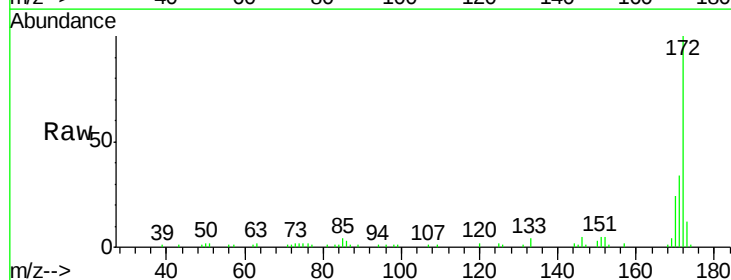


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

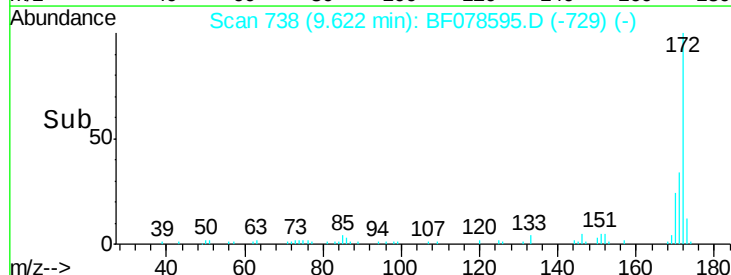
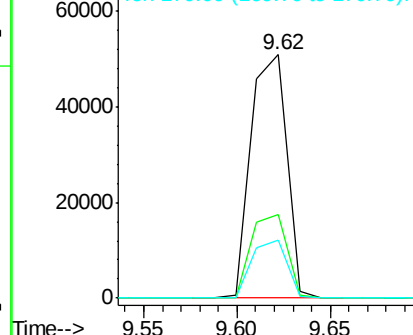


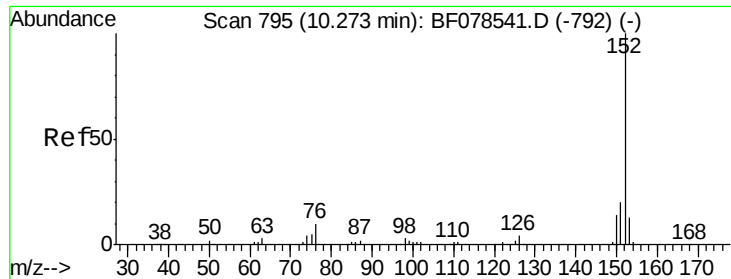
#44
 2-Fluorobiphenyl
 Concen: 19.77 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Tgt Ion:172 Resp: 67835
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.6 42.8
 170 23.6 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





#48

Acenaphthylene

Concen: 4.42 ng

RT: 10.25 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

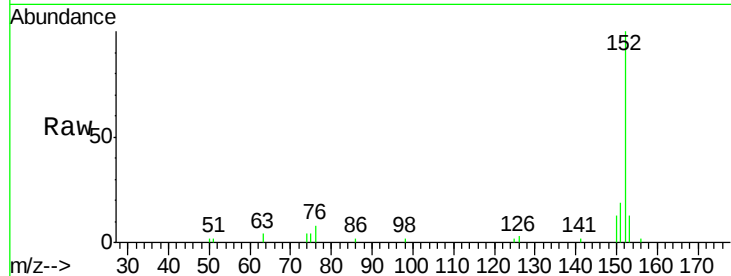
Tgt Ion:152 Resp: 22539

Ion Ratio Lower Upper

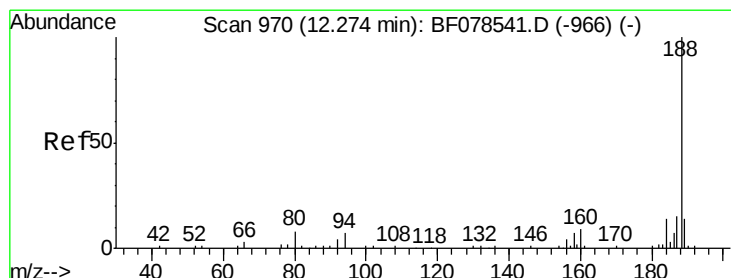
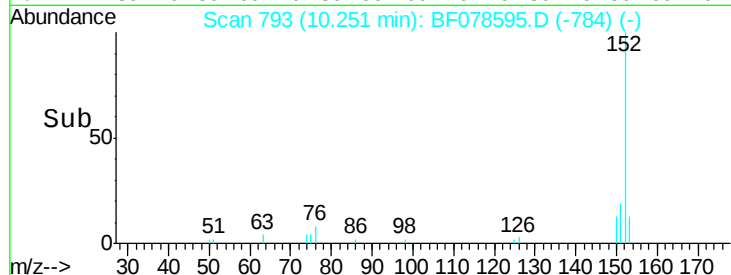
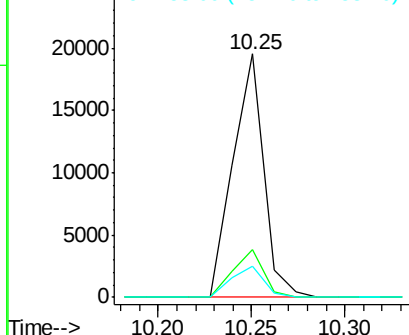
152 100

151 19.4 15.7 23.5

153 12.6 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.24 min Scan# 967

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

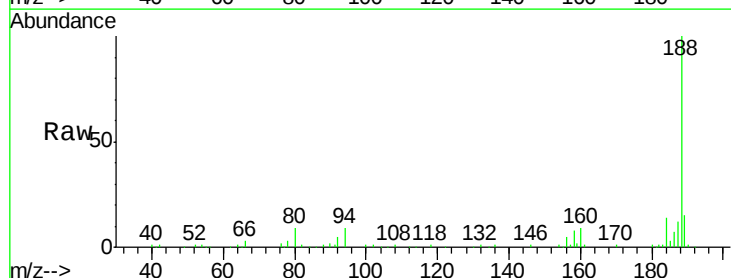
Tgt Ion:188 Resp: 102377

Ion Ratio Lower Upper

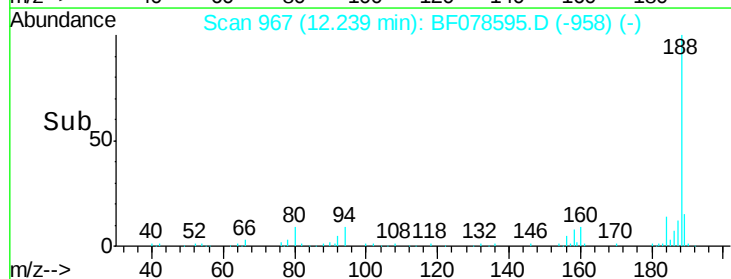
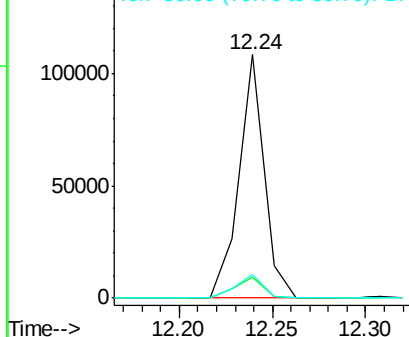
188 100

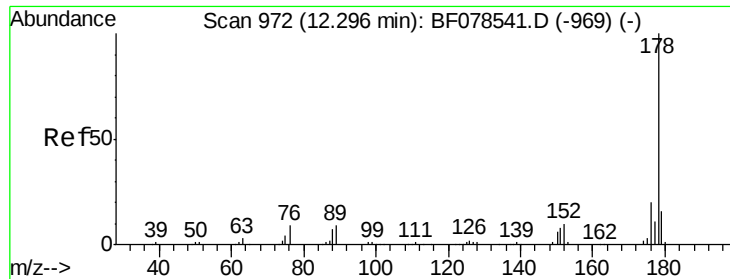
94 8.7 9.0 13.4#

80 9.4 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

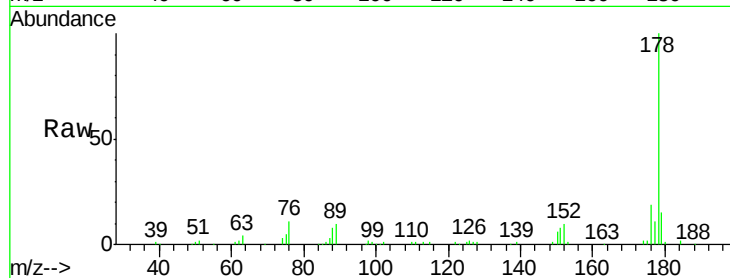




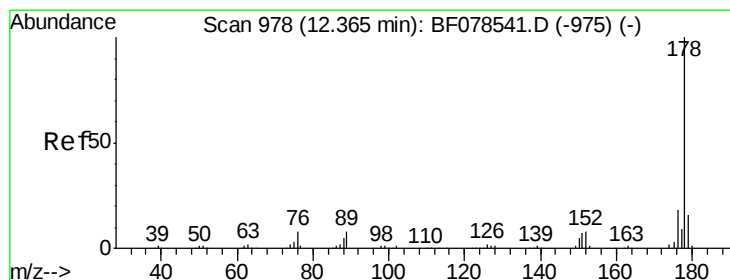
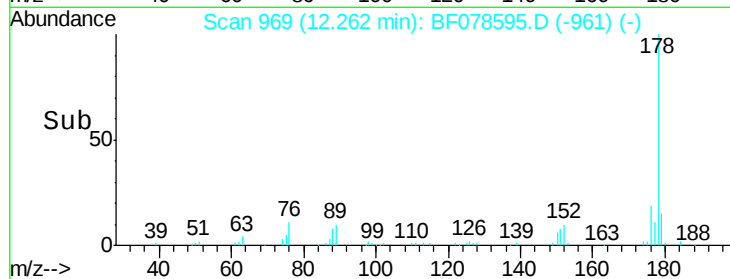
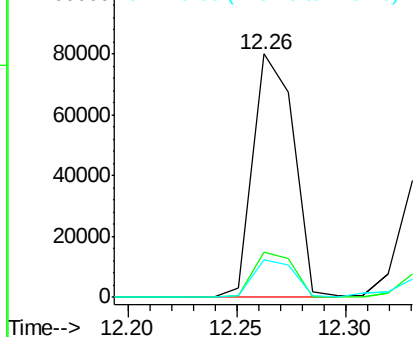
#70
 Phenanthrene
 Concen: 17.71 ng
 RT: 12.26 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Instrument :
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Tgt Ion:178 Resp: 104859
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.0
 179 15.5 12.2 18.2

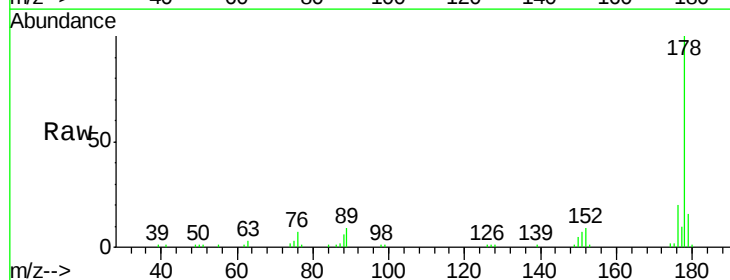


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

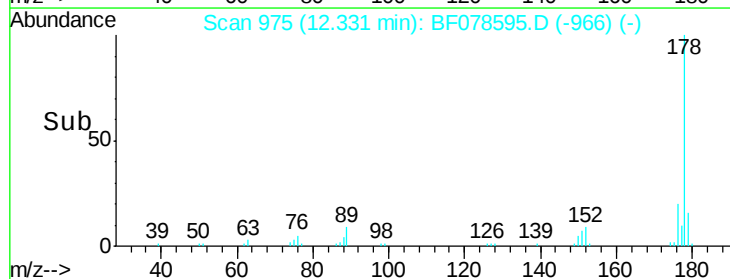
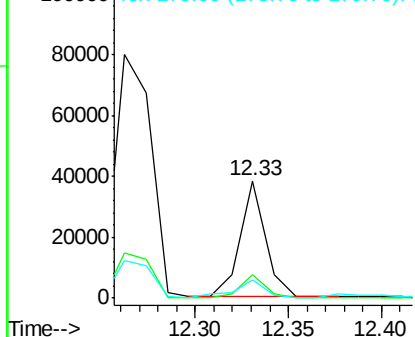


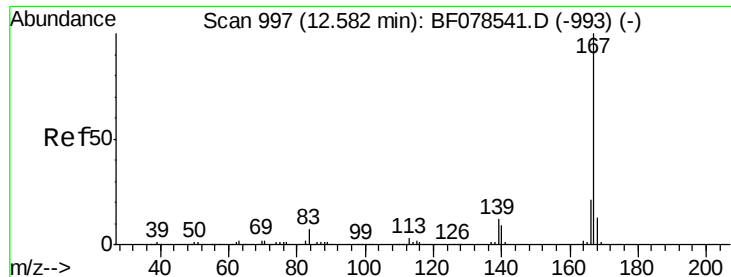
#71
 Anthracene
 Concen: 6.29 ng
 RT: 12.33 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Tgt Ion:178 Resp: 36711
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.8 22.2
 179 15.9 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





#72

Carbazole

Concen: 2.05 ng

RT: 12.55 min Scan# 994

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

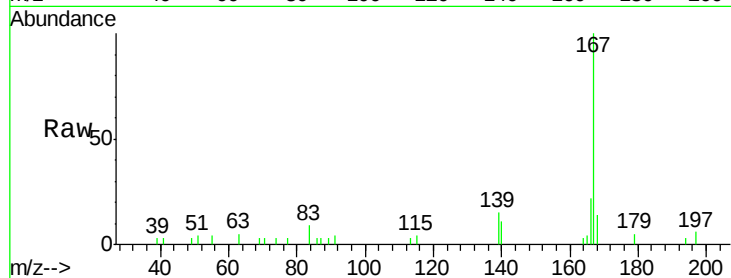
Tgt Ion:167 Resp: 11188

Ion Ratio Lower Upper

167 100

166 22.2 16.8 25.2

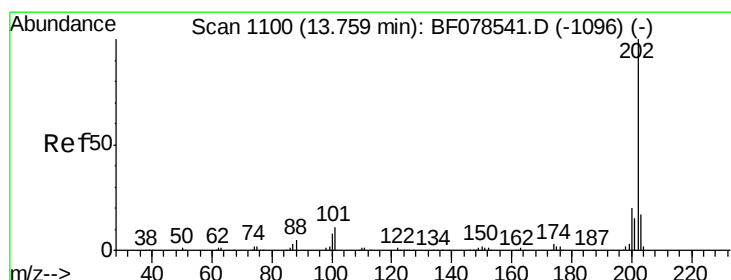
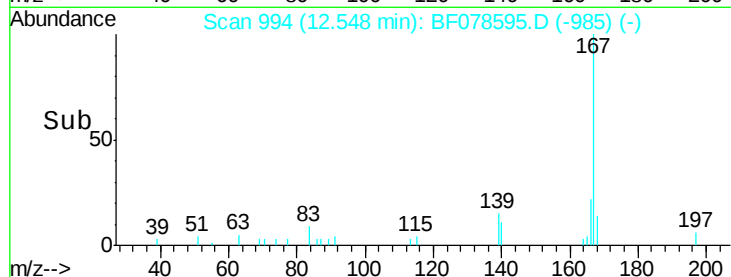
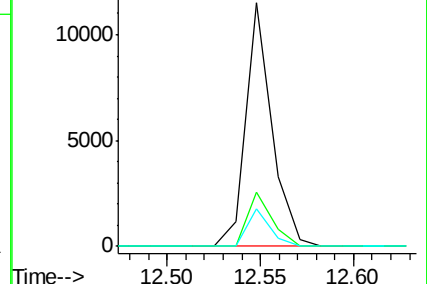
139 15.3 10.0 15.0#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 41.11 ng

RT: 13.73 min Scan# 1097

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

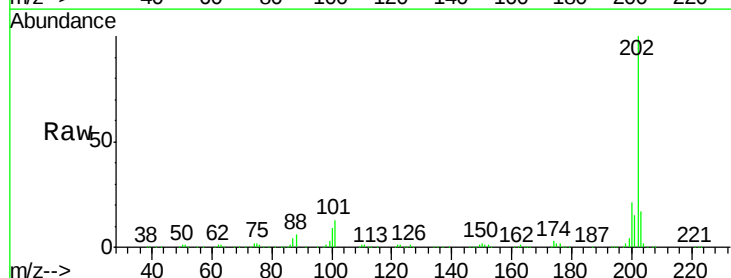
Tgt Ion:202 Resp: 256754

Ion Ratio Lower Upper

202 100

101 12.8 0.0 35.2

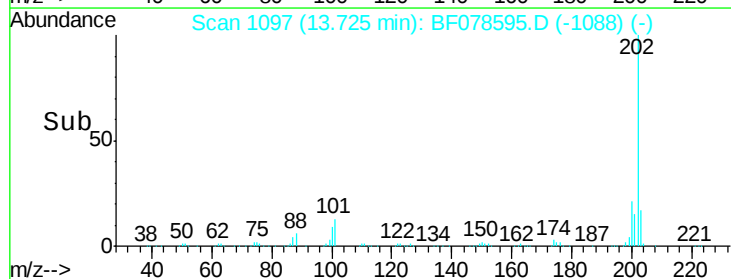
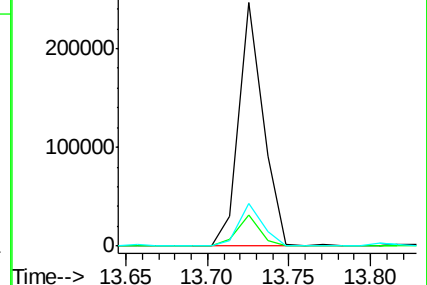
203 17.4 0.0 38.5

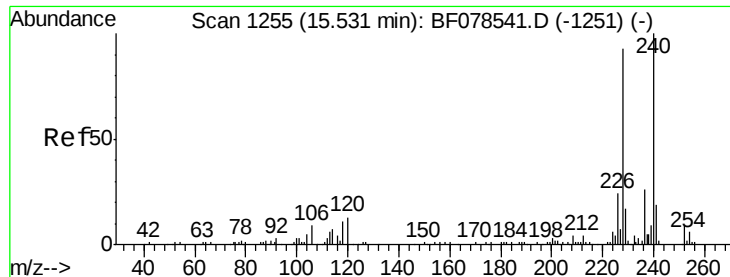


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.49 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

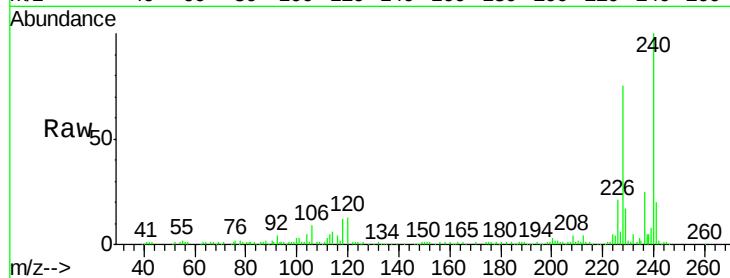
Tgt Ion:240 Resp: 116478

Ion Ratio Lower Upper

240 100

120 13.5 7.1 10.7#

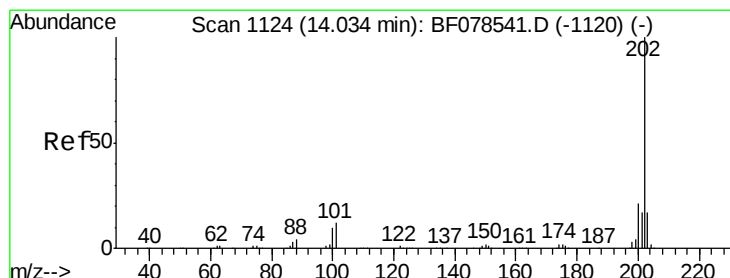
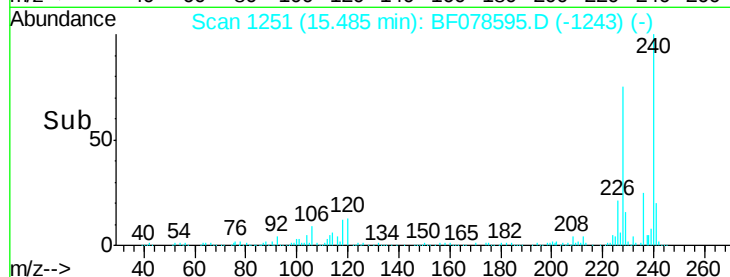
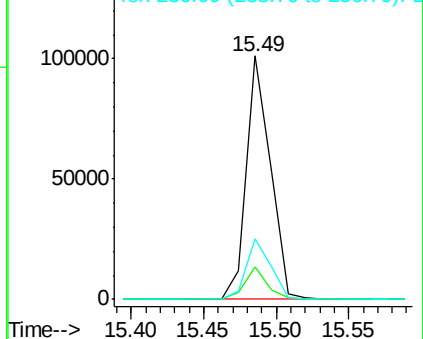
236 25.1 21.4 32.2



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: 34.20 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

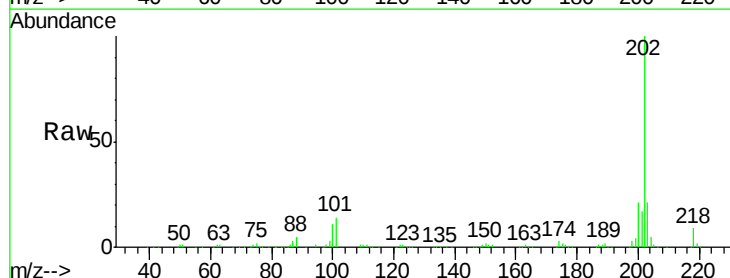
Tgt Ion:202 Resp: 250035

Ion Ratio Lower Upper

202 100

200 21.3 16.3 24.5

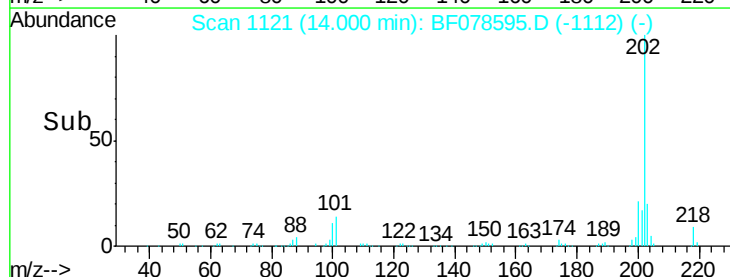
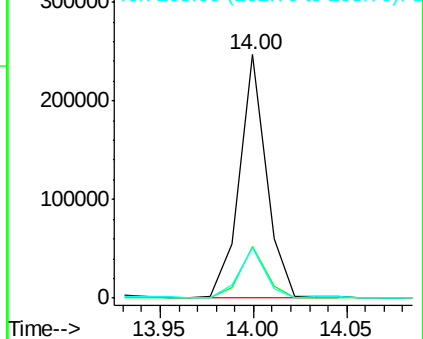
203 20.7 13.8 20.6#

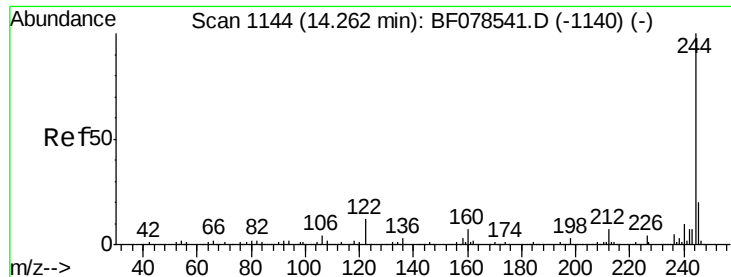


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

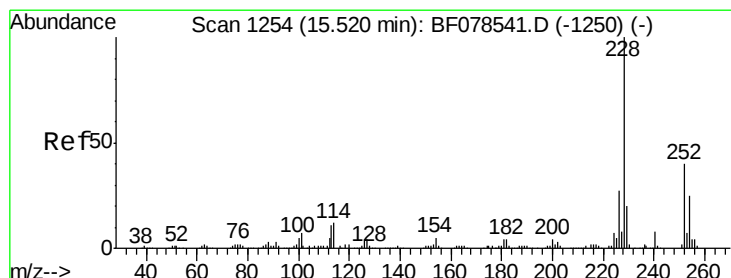
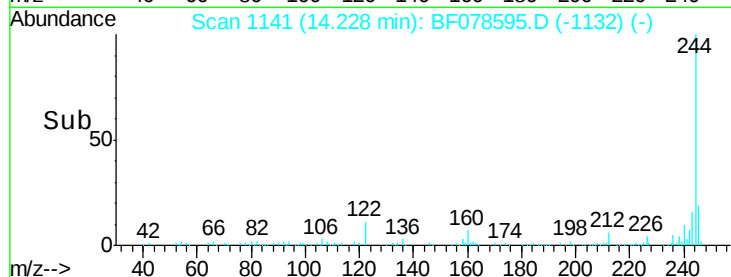
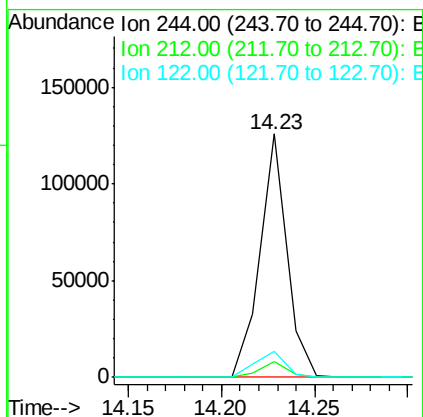
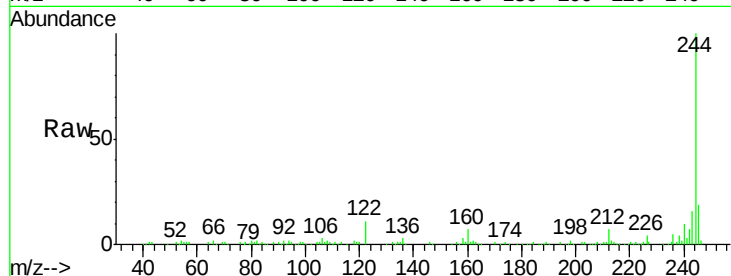




#78
 Terphenyl-d14
 Concen: 24.52 ng
 RT: 14.23 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

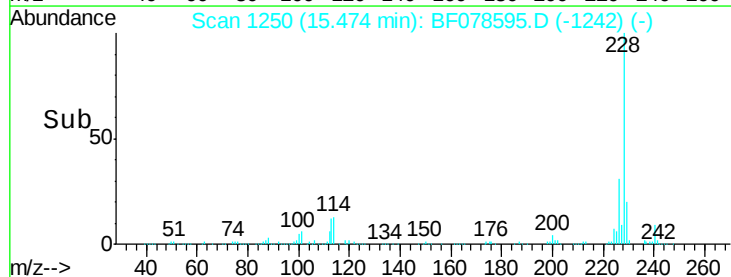
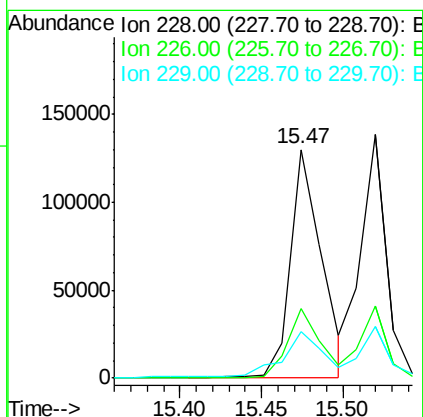
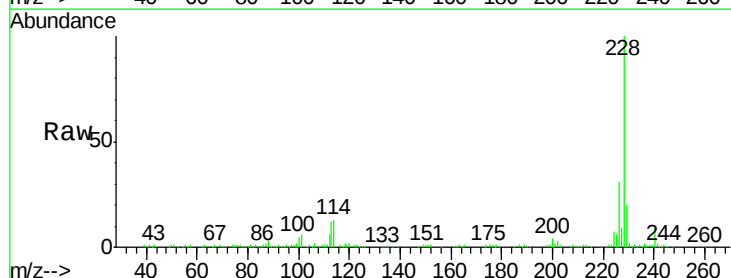
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02ADL

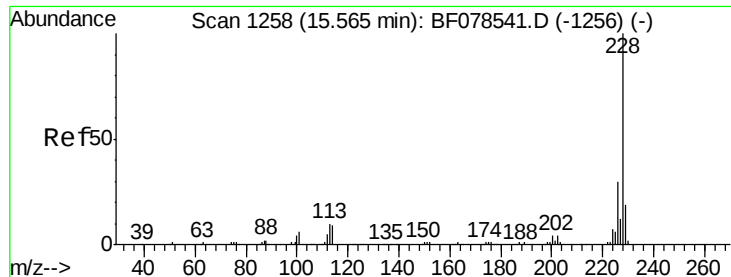
Tgt Ion: 244 Resp: 126408
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 10.9 7.1 10.7#



#80
 Benzo(a)anthracene
 Concen: 24.90 ng
 RT: 15.47 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Tgt Ion: 228 Resp: 172540
 Ion Ratio Lower Upper
 228 100
 226 30.6 21.3 31.9
 229 20.4 15.4 23.2





#82

Chrysene

Concen: 22.80 ng

RT: 15.52 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

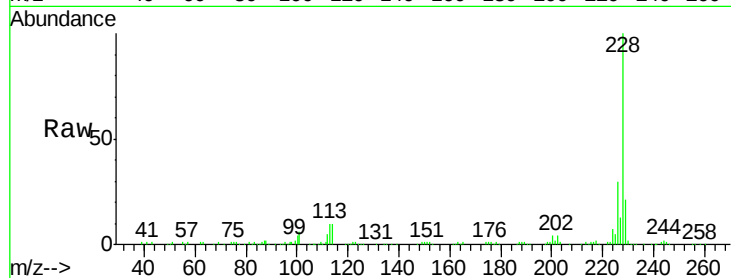
Tgt Ion:228 Resp: 148472

Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.4

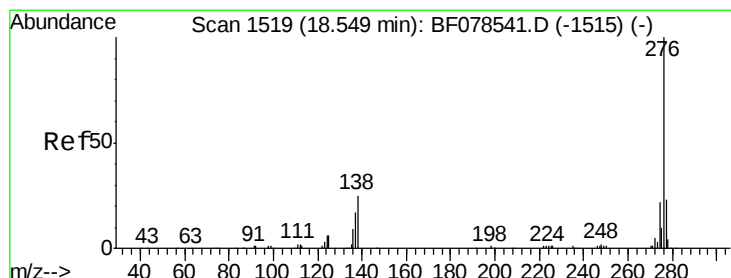
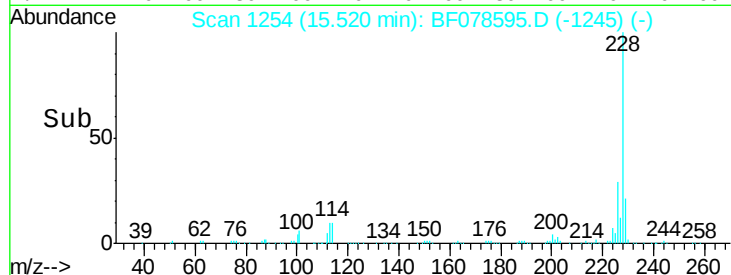
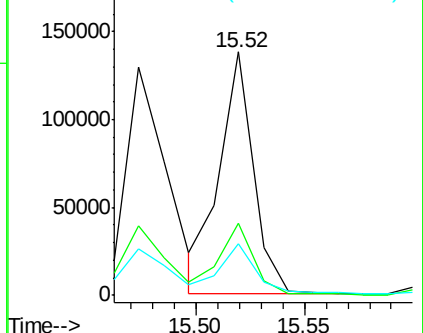
229 21.4 15.8 23.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.71 ng

RT: 18.33 min Scan# 1500

Delta R.T. 0.05 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

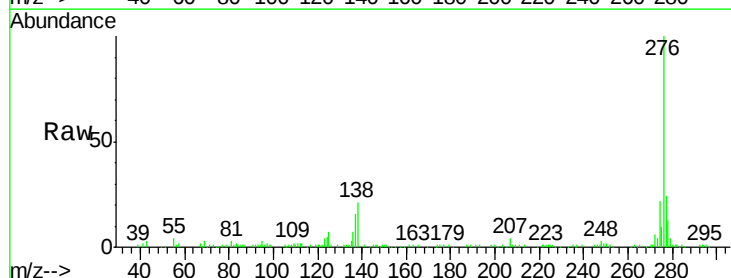
Tgt Ion:276 Resp: 116087

Ion Ratio Lower Upper

276 100

138 23.7 16.9 25.3

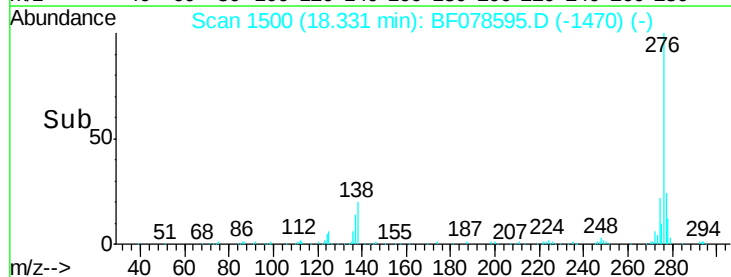
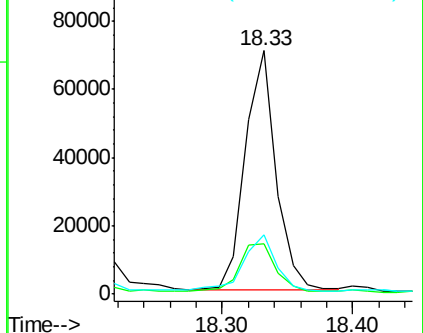
277 25.7 15.8 23.6#

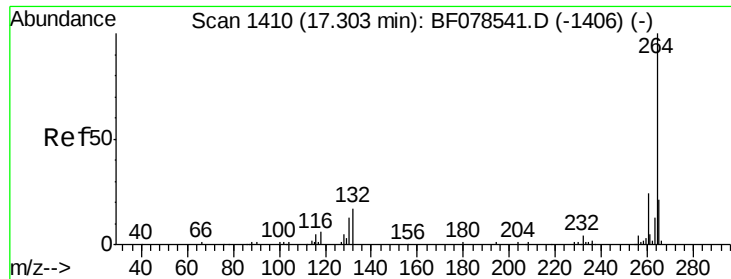


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

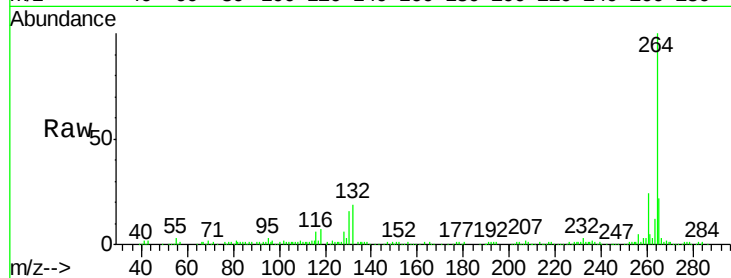




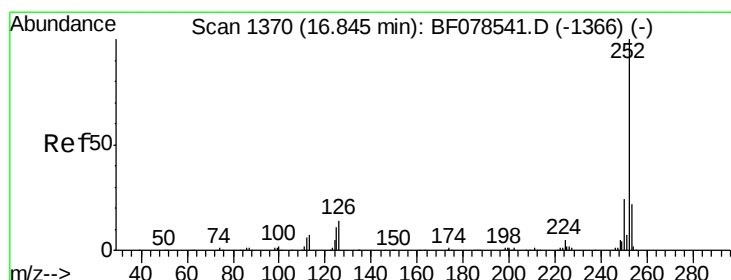
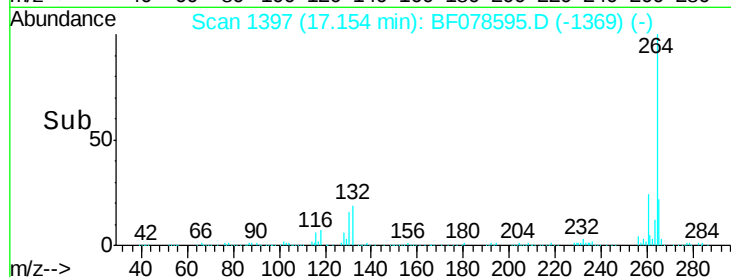
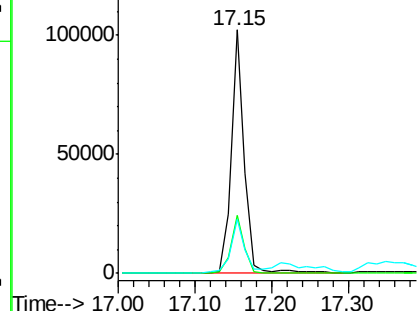
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.15 min Scan# 1397
Delta R.T. 0.02 min
Lab File: BF078595.D
Acq: 17 Apr 2015 7:04

Instrument :
BNA_F
ClientSampleId :
HS-SB02ADL

Tgt Ion: 264 Resp: 125245
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 22.3 17.0 25.6

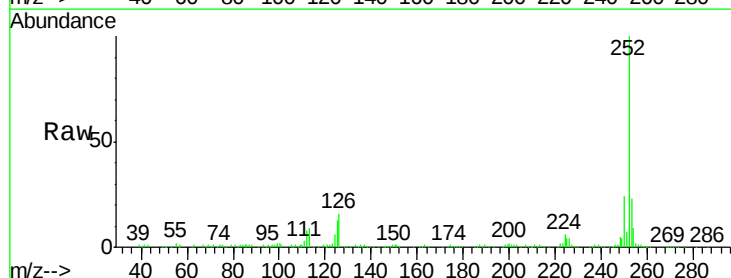


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

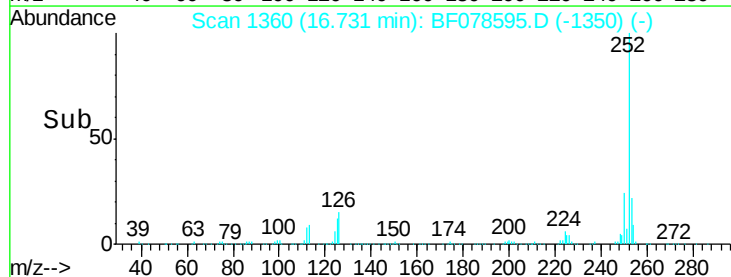
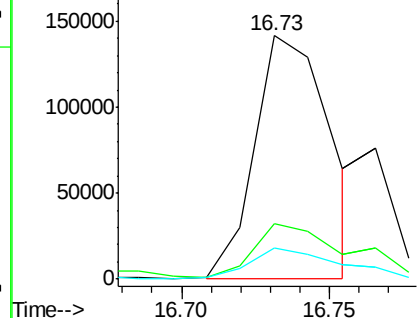


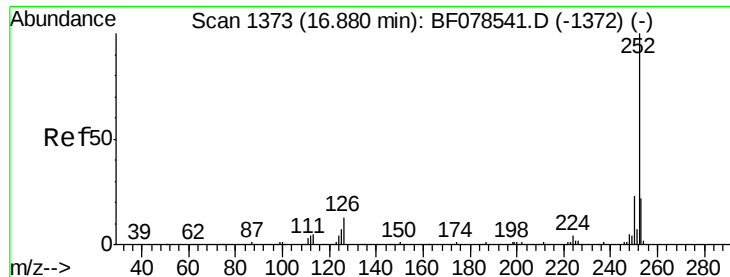
#87
Benzo(b)fluoranthene
Concen: 32.28 ng m
RT: 16.73 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BF078595.D
Acq: 17 Apr 2015 7:04

Tgt Ion: 252 Resp: 249860
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 12.6 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: 9.03 ng m

RT: 16.77 min Scan# 1363

Delta R.T. 0.01 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

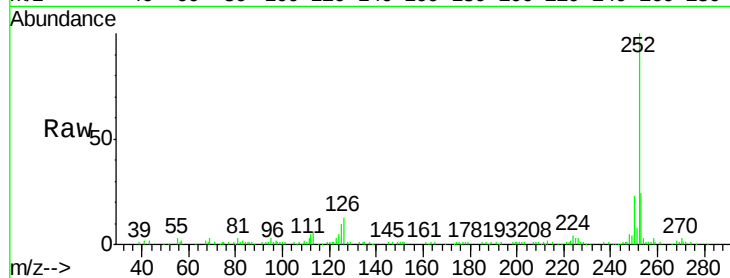
Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

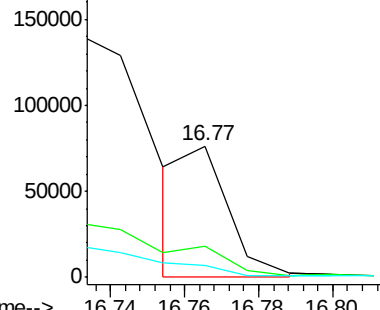
Tgt Ion:	252	Resp:	62125
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	9.6	11.6	17.4#



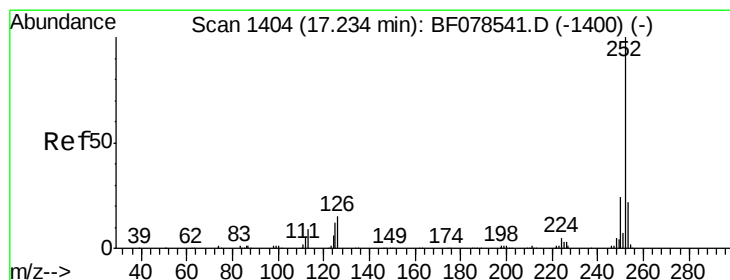
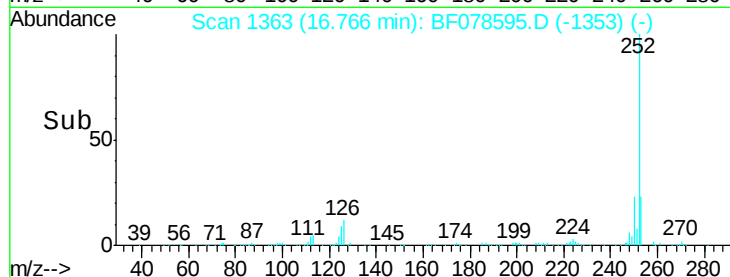
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Benzo(a)pyrene

Concen: 24.18 ng

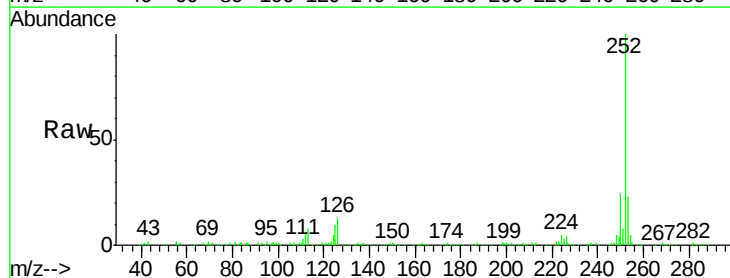
RT: 17.10 min Scan# 1392

Delta R.T. 0.02 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

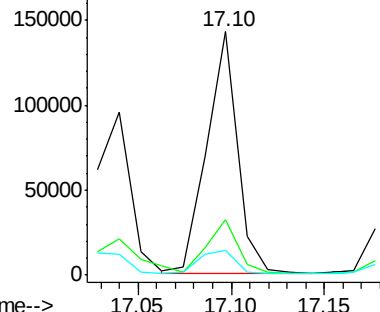
Tgt Ion:	252	Resp:	163343
Ion Ratio	Lower	Upper	
252	100		
253	22.9	16.8	25.2
125	10.3	7.4	11.0



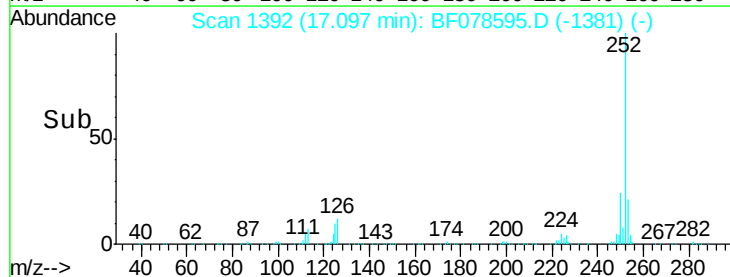
Abundance Ion 252.00 (251.70 to 252.70): E

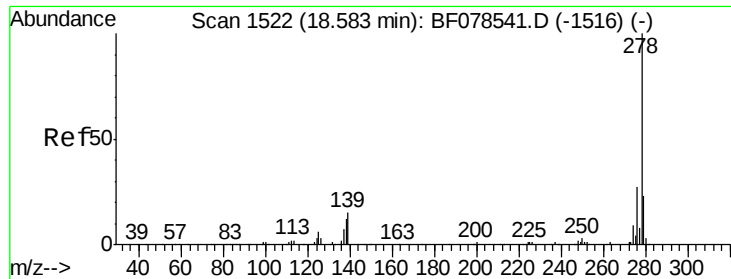
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#90

Dibenzo(a,h)anthracene

Concen: 4.20 ng m

RT: 18.34 min Scan# 1501

Delta R.T. 0.03 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

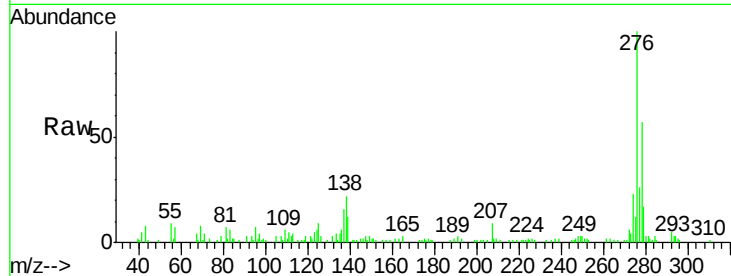
Tgt Ion:278 Resp: 28385

Ion Ratio Lower Upper

278 100

139 20.5 13.6 20.4#

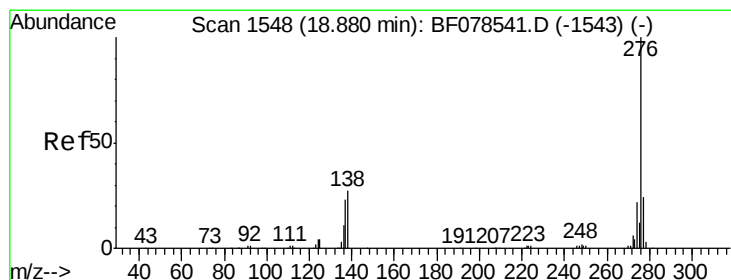
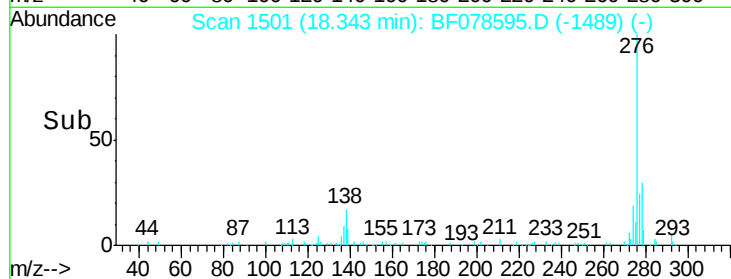
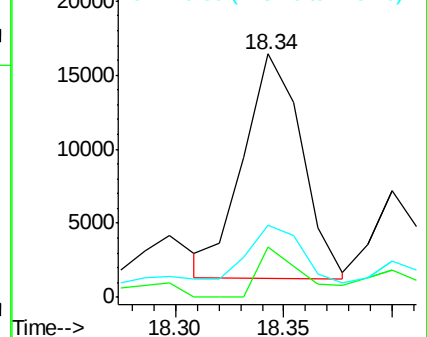
279 29.6 19.0 28.6#



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: 15.69 ng

RT: 18.65 min Scan# 1528

Delta R.T. 0.05 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

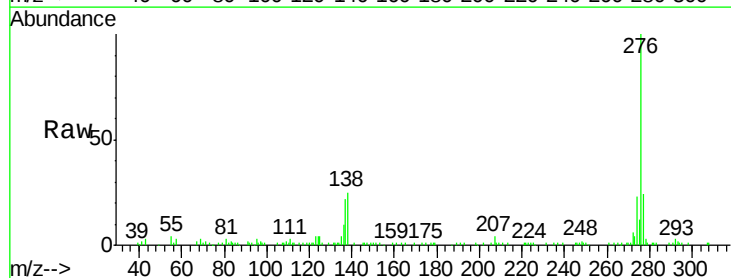
Tgt Ion:276 Resp: 106393

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 24.7 19.9 29.9



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

