

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051915\
 Data File : BF079372.D
 Acq On : 20 May 2015 7:50
 Operator : TP/IZ
 Sample : G2289-06 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-33S

Quant Time: May 20 08:28:38 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 07:04:25 2015
 Response via : Initial Calibration

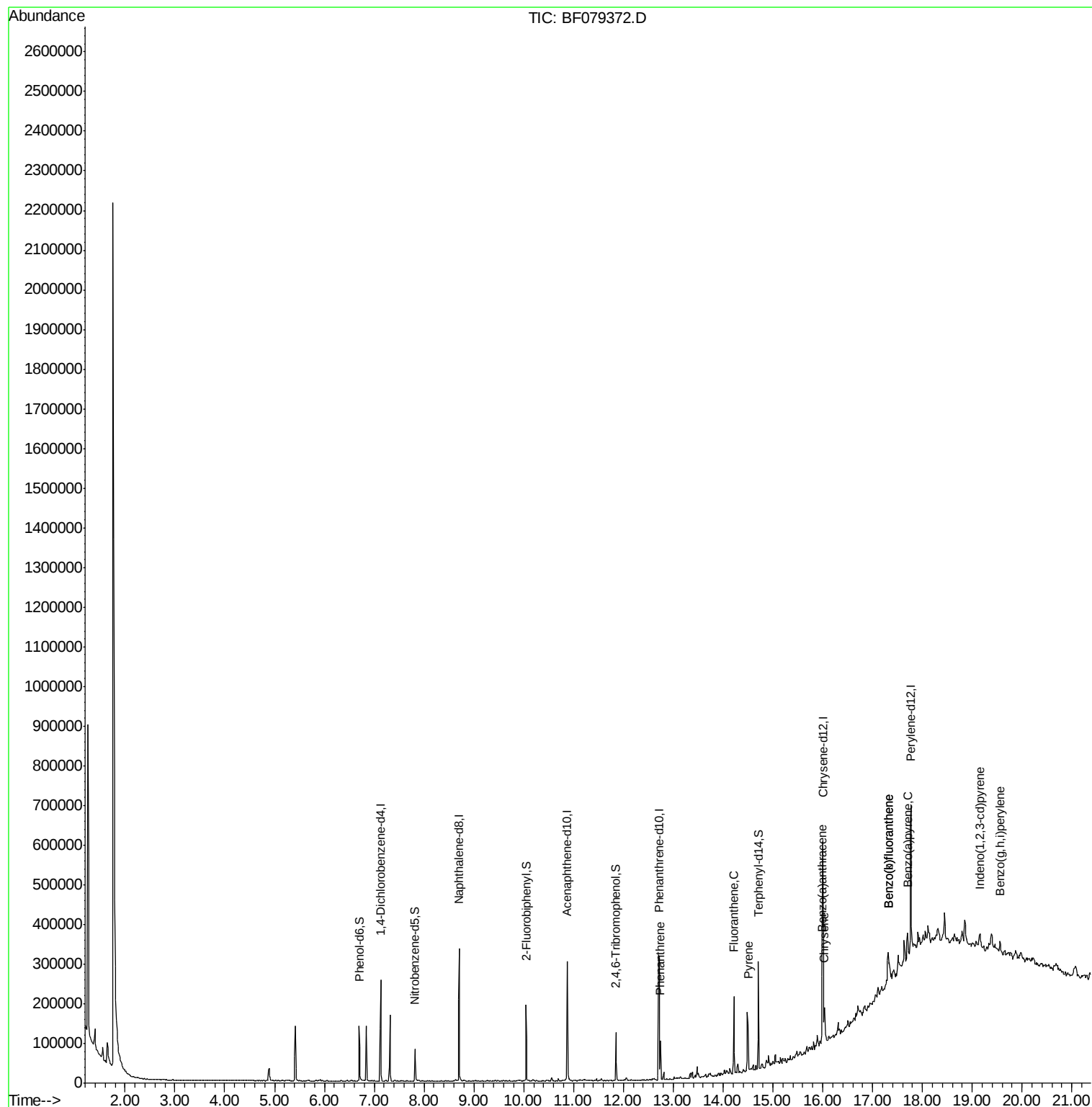
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	46194	20.00	ng	0.00
21) Naphthalene-d8	8.71	136	192722	20.00	ng	0.00
38) Acenaphthene-d10	10.87	164	91484	20.00	ng	-0.01
63) Phenanthrene-d10	12.72	188	177511	20.00	ng	0.00
75) Chrysene-d12	16.00	240	200330	20.00	ng	0.00
86) Perylene-d12	17.77	264	211318	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.70	99	62075	17.50	ng	-0.01
23) Nitrobenzene-d5	7.82	82	35352	10.54	ng	-0.01
41) 2,4,6-Tribromophenol	11.85	330	16771	16.95	ng	-0.01
44) 2-Fluorobiphenyl	10.04	172	75363	11.48	ng	-0.01
78) Terphenyl-d14	14.71	244	87605	10.47	ng	0.00
Target Compounds						
70) Phenanthrene	12.74	178	39656	3.99	ng	99
74) Fluoranthene	14.22	202	82646	7.99	ng	96
77) Pyrene	14.50	202	79423	6.88	ng	98
80) Benzo(a)anthracene	15.99	228	44530	4.06	ng	94
82) Chrysene	16.03	228	36548	3.46	ng	96
85) Indeno(1,2,3-cd)pyrene	19.15	276	27285	2.03	ng	# 90
87) Benzo(b)fluoranthene	17.31	252	68412	5.91	ng	# 92
88) Benzo(k)fluoranthene	17.31	252	68412	6.11	ng	# 88
89) Benzo(a)pyrene	17.70	252	38092	3.58	ng	# 91
91) Benzo(g,h,i)perylene	19.55	276	27296	2.41	ng	# 86

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

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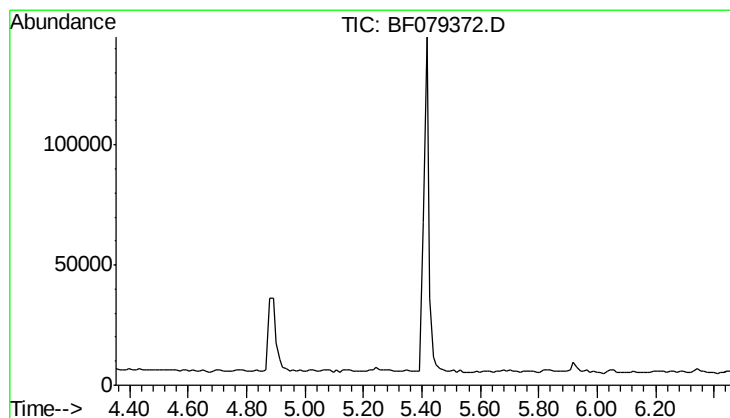
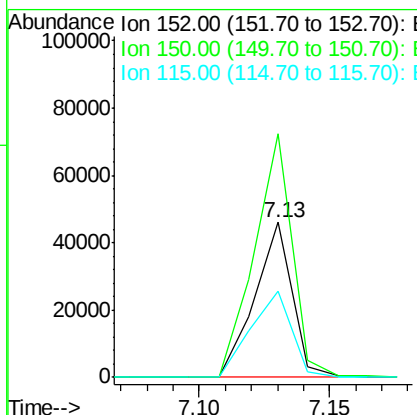
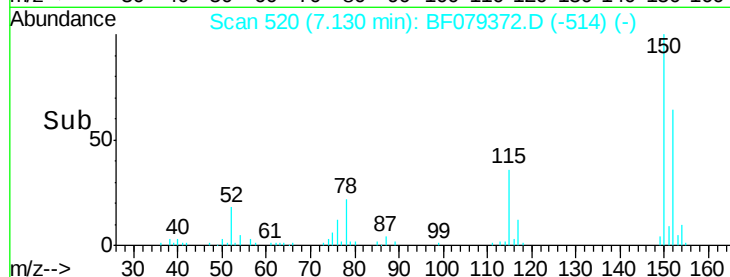
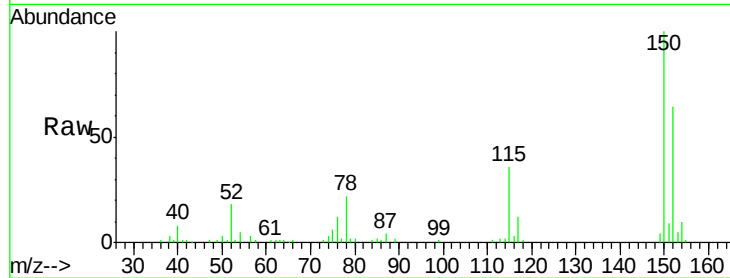




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF079372.D
 Acq: 20 May 2015 7:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-33S

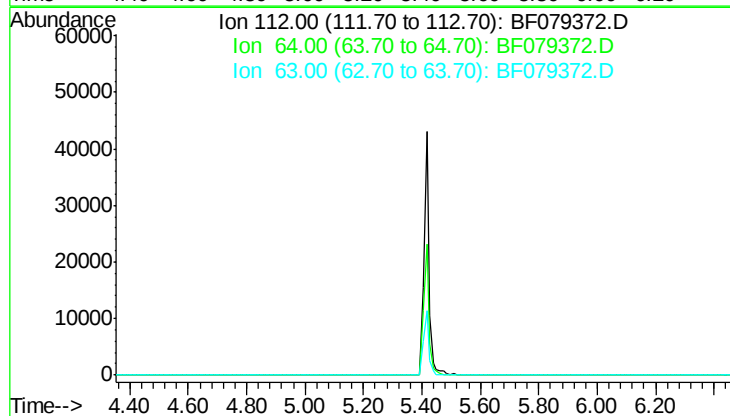
Tgt Ion	Resp	Lower	Upper
152	100		
150	157.2	123.8	185.8
115	56.0	49.4	74.0



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.40 min

Lab File: BF079372.D
 Acq: 20 May 2015 7:50

Tgt Ion	Sig	Exp Ratio
112	100	
64	55.2	
63	28.4	





#7

Phenol-d6

Concen: 17.50 ng

RT: 6.70 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF079372.D

Acq: 20 May 2015 7:50

Instrument :

BNA_F

ClientSampleId :

SB-33S

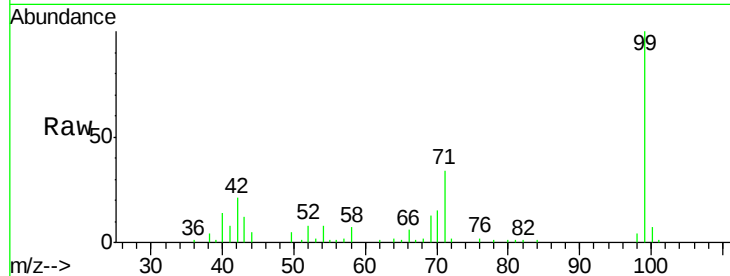
Tgt Ion: 99 Resp: 62075

Ion Ratio Lower Upper

99 100

42 21.0 17.1 25.7

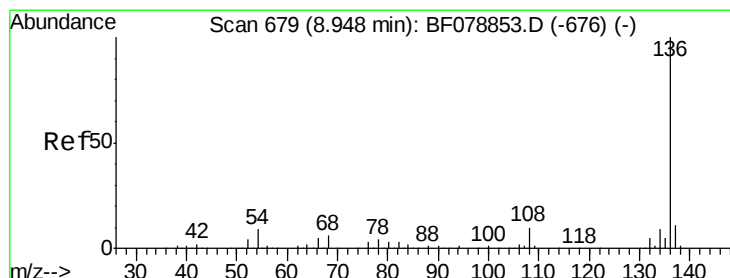
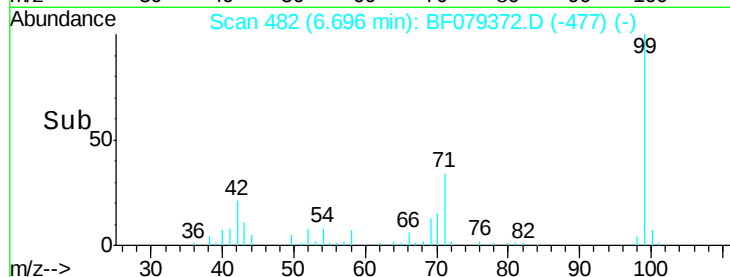
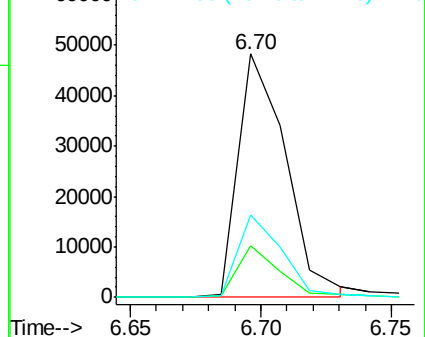
71 33.9 26.3 39.5



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: 8.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF079372.D

Acq: 20 May 2015 7:50

Tgt Ion: 136 Resp: 192722

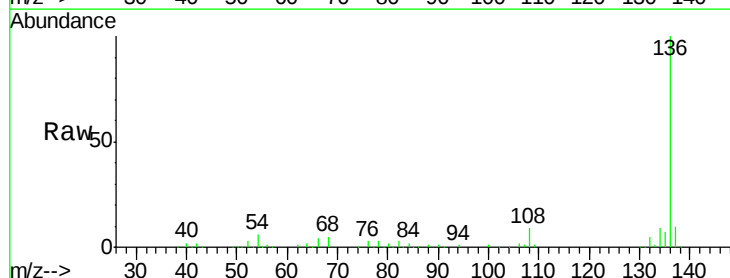
Ion Ratio Lower Upper

136 100

137 9.9 8.8 13.2

54 6.0 6.9 10.3#

68 4.6 4.9 7.3#

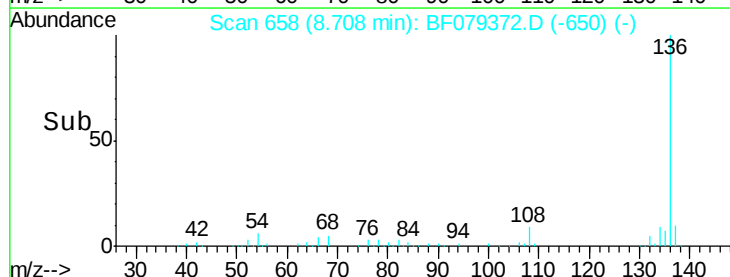
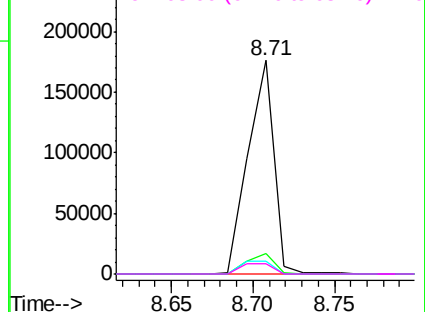


Abundance Ion 136.00 (135.70 to 136.70): E

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

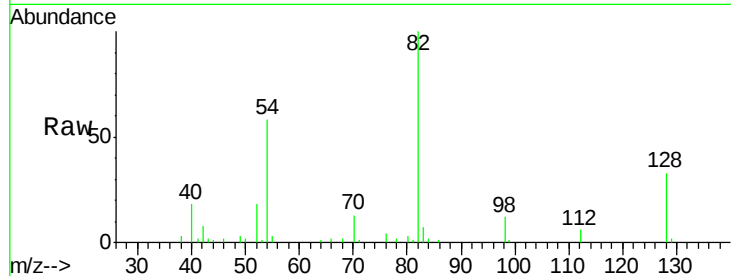




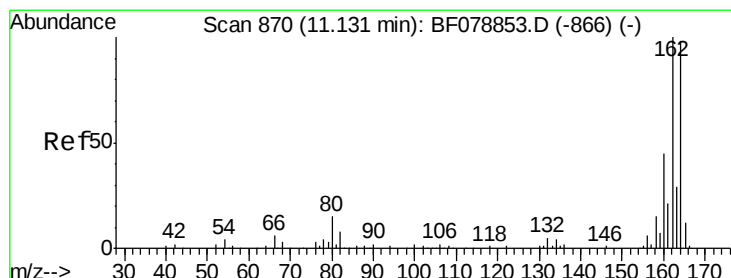
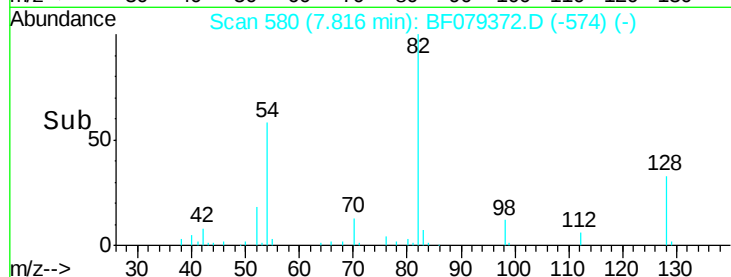
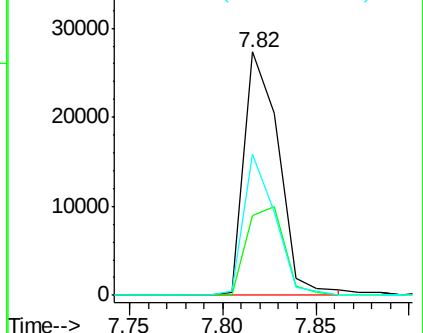
#23
 Nitrobenzene-d5
 Concen: 10.54 ng
 RT: 7.82 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF079372.D
 Acq: 20 May 2015 7:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-33S

Tgt Ion: 82 Resp: 35352
 Ion Ratio Lower Upper
 82 100
 128 32.9 29.7 44.5
 54 58.2 46.2 69.4

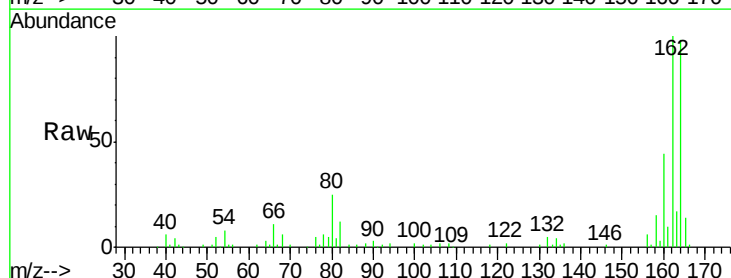


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

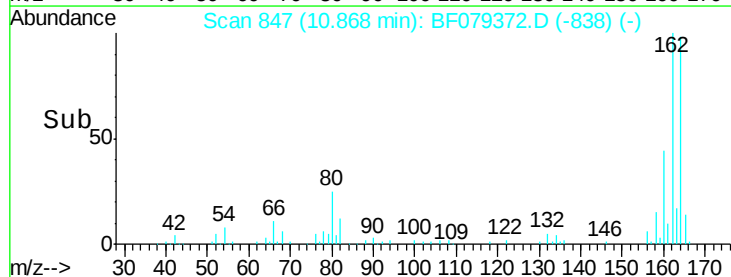
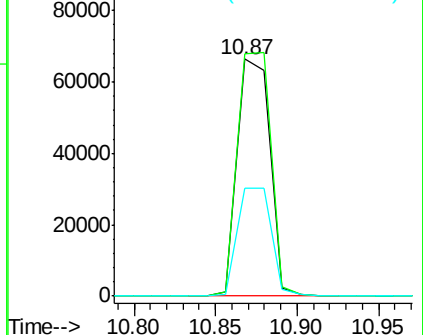


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.87 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: BF079372.D
 Acq: 20 May 2015 7:50

Tgt Ion: 164 Resp: 91484
 Ion Ratio Lower Upper
 164 100
 162 102.0 81.4 122.0
 160 45.3 36.6 54.8



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

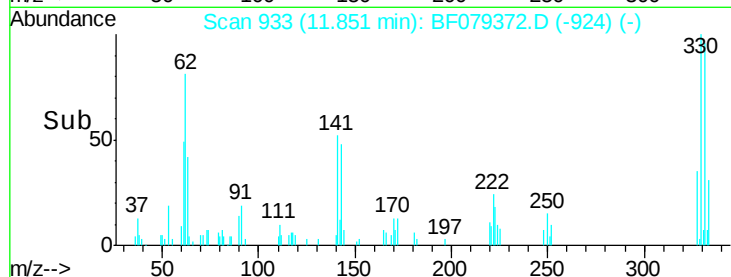
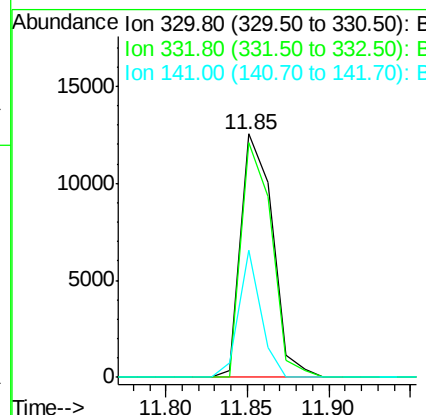
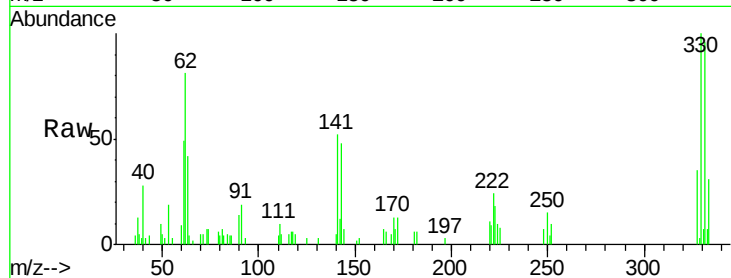




#41
 2,4,6-Tribromophenol
 Concen: 16.95 ng
 RT: 11.85 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF079372.D
 Acq: 20 May 2015 7:50

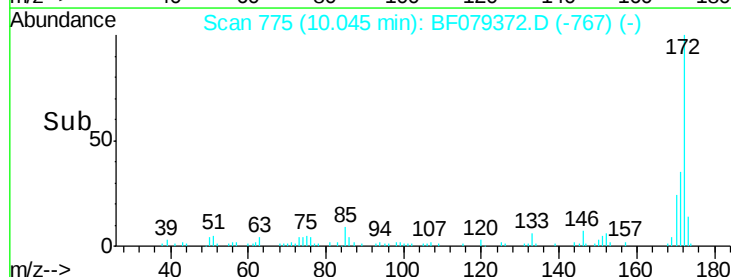
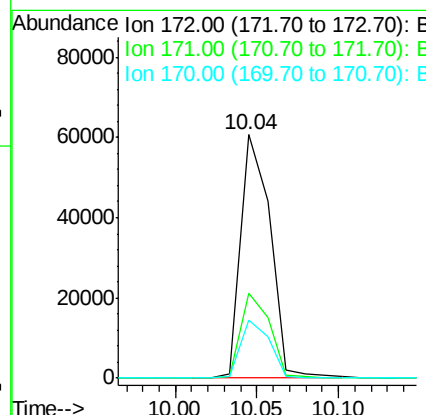
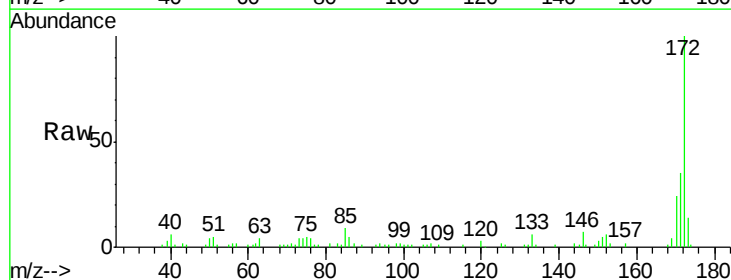
Instrument :
 BNA_F
 ClientSampleId :
 SB-33S

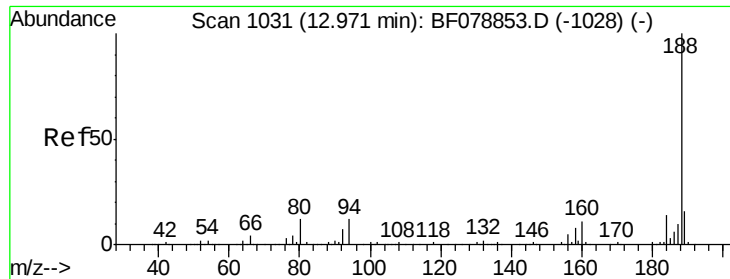
Tgt Ion:330 Resp: 16771
 Ion Ratio Lower Upper
 330 100
 332 92.5 76.9 115.3
 141 36.0 27.8 41.8



#44
 2-Fluorobiphenyl
 Concen: 11.48 ng
 RT: 10.04 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF079372.D
 Acq: 20 May 2015 7:50

Tgt Ion:172 Resp: 75363
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.3 42.5
 170 23.7 19.4 29.2

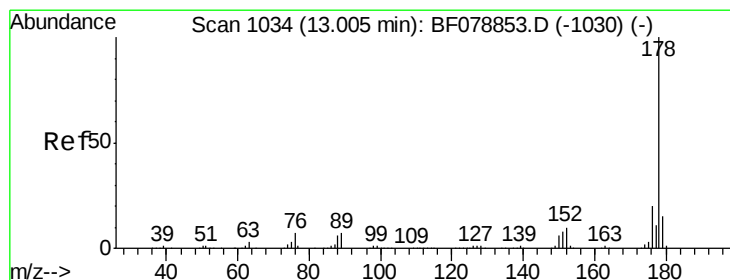
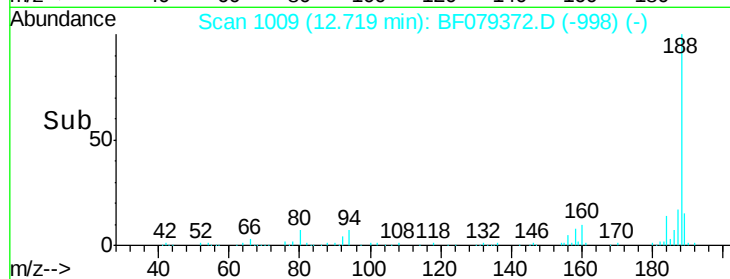
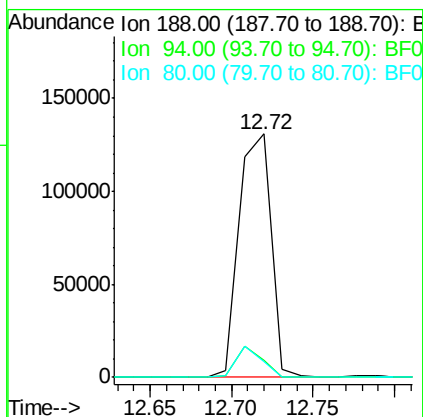
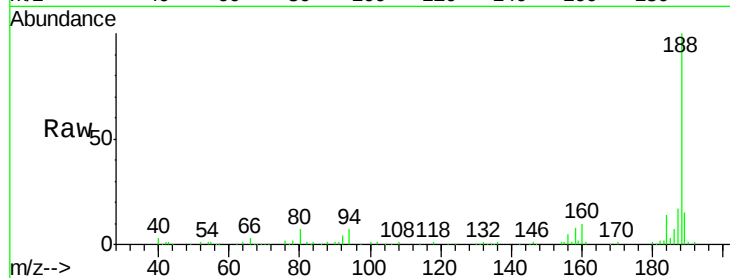




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.72 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF079372.D
Acq: 20 May 2015 7:50

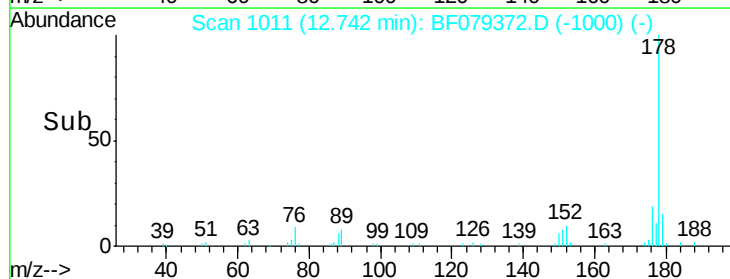
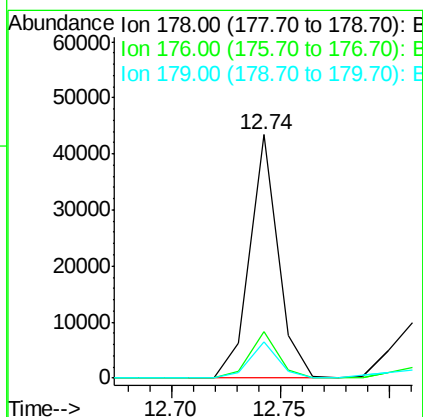
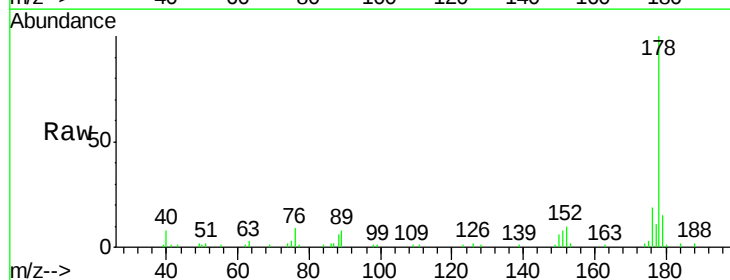
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ClientSampleId :
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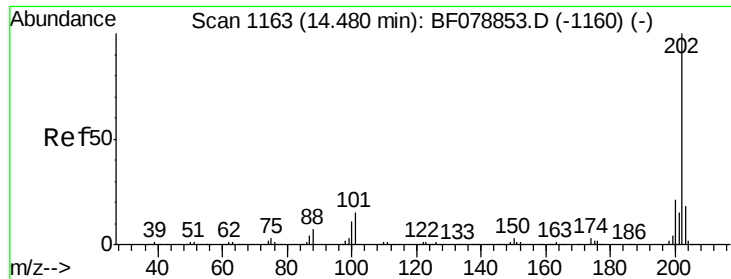
Tgt Ion:188 Resp: 177511
Ion Ratio Lower Upper
188 100
94 7.2 9.4 14.0#
80 6.5 9.8 14.6#



#70
Phenanthrene
Concen: 3.99 ng
RT: 12.74 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF079372.D
Acq: 20 May 2015 7:50

Tgt Ion:178 Resp: 39656
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 14.7 12.2 18.4

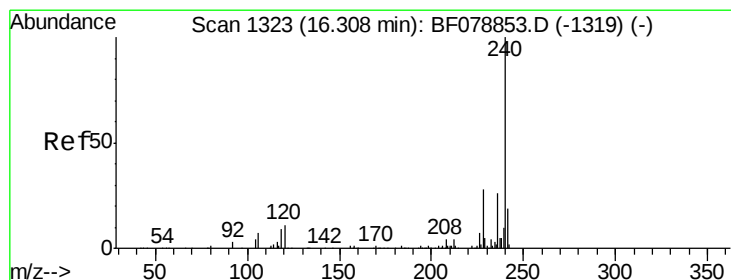
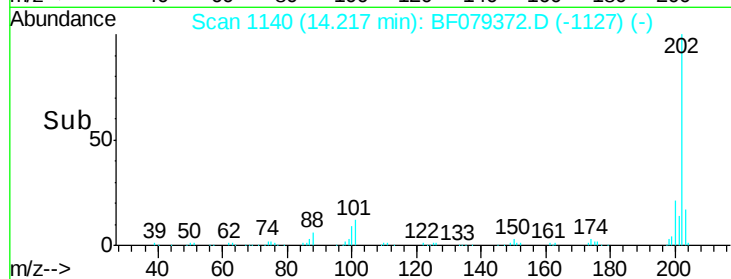
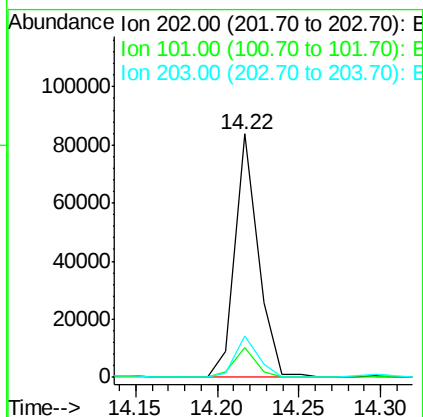
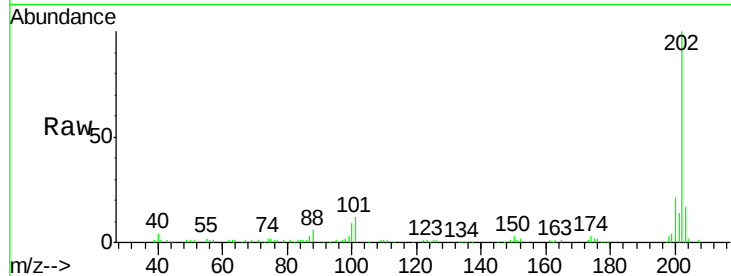




#74
 Fluoranthene
 Concen: 7.99 ng
 RT: 14.22 min Scan# 1140
 Delta R.T. 0.00 min
 Lab File: BF079372.D
 Acq: 20 May 2015 7:50

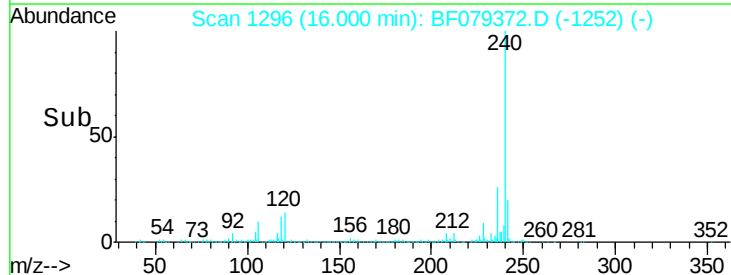
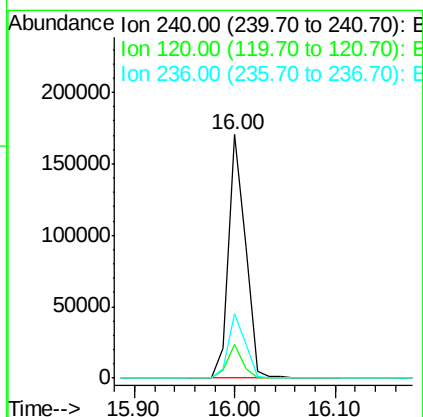
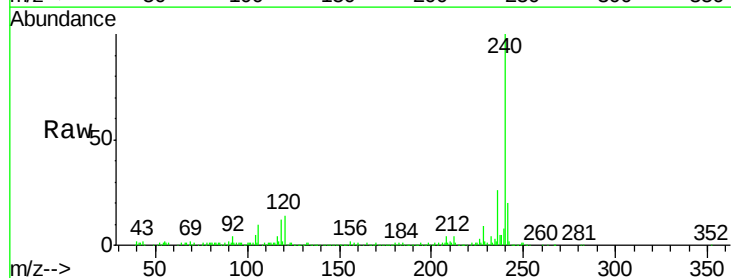
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 ClientSampled :
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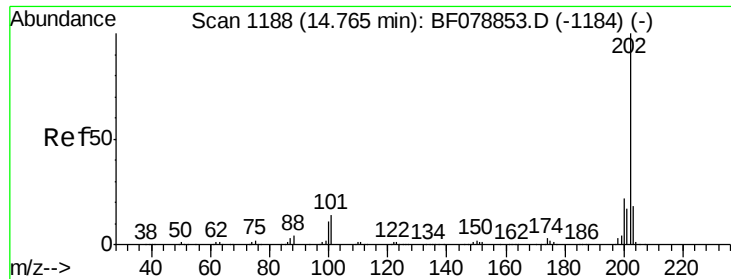
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.7
203	17.0	0.0	37.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.00 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: BF079372.D
 Acq: 20 May 2015 7:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	8.6	12.8#
236	26.4	21.0	31.6

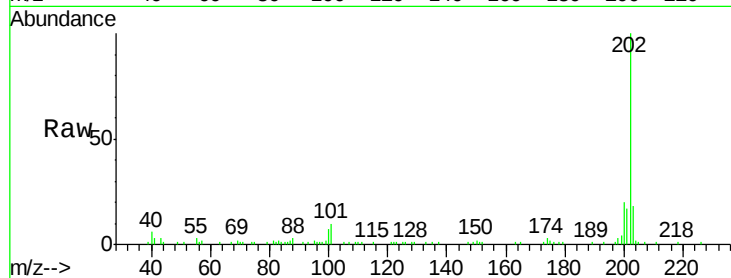




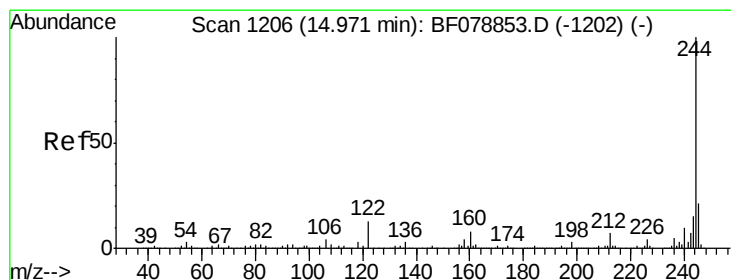
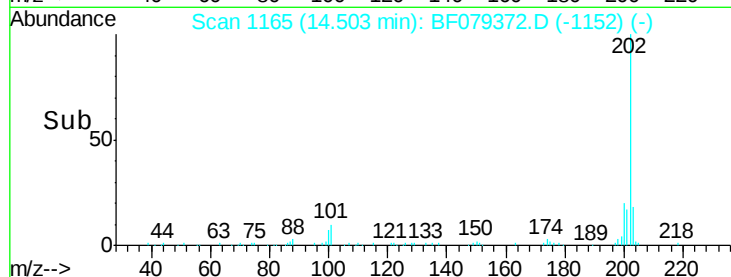
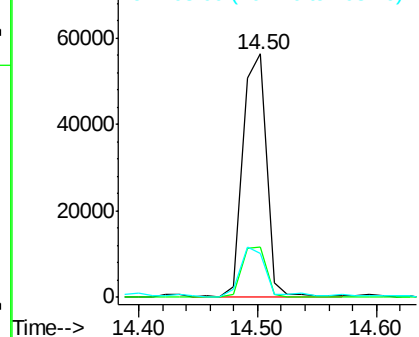
#77
 Pyrene
 Concen: 6.88 ng
 RT: 14.50 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: BF079372.D
 Acq: 20 May 2015 7:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-33S

Tgt Ion: 202 Resp: 79423
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.5 26.3
 203 17.9 14.7 22.1

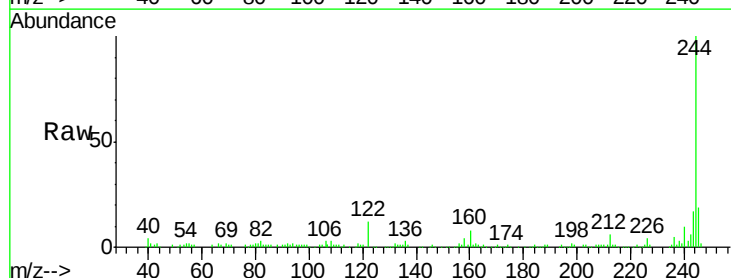


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

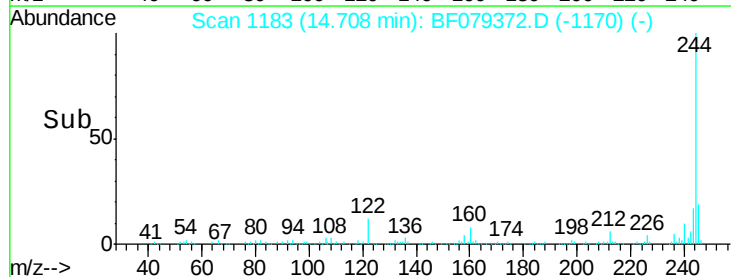
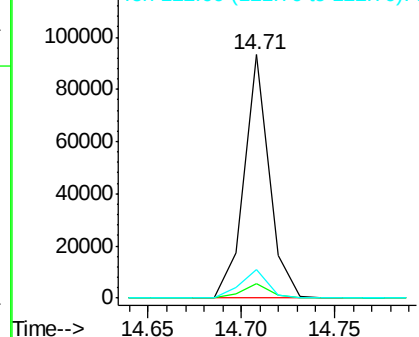


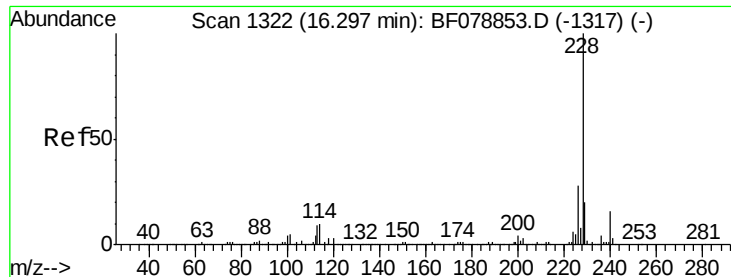
#78
 Terphenyl-d14
 Concen: 10.47 ng
 RT: 14.71 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF079372.D
 Acq: 20 May 2015 7:50

Tgt Ion: 244 Resp: 87605
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.6 8.4
 122 11.5 10.5 15.7



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: 4.06 ng

RT: 15.99 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BF079372.D

Acq: 20 May 2015 7:50

Instrument :

BNA_F

ClientSampleId :

SB-33S

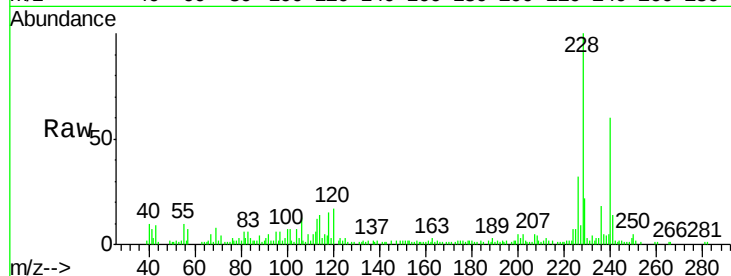
Tgt Ion:228 Resp: 44530

Ion Ratio Lower Upper

228 100

226 31.5 22.3 33.5

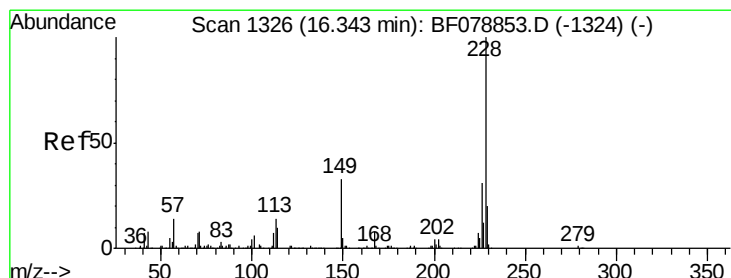
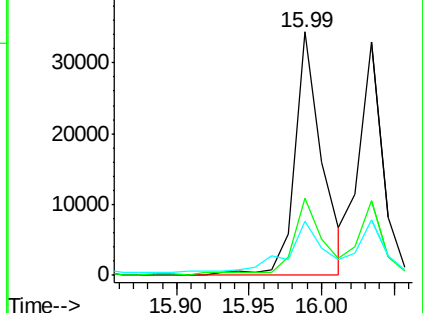
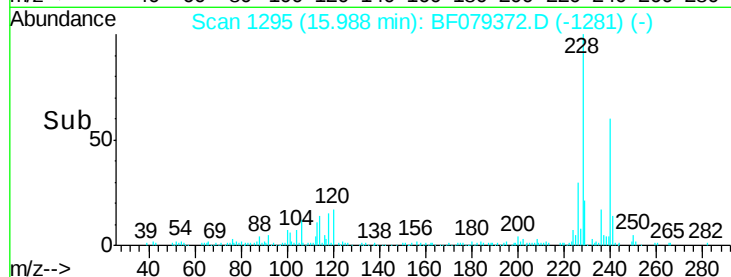
229 22.2 16.1 24.1



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: 3.46 ng

RT: 16.03 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF079372.D

Acq: 20 May 2015 7:50

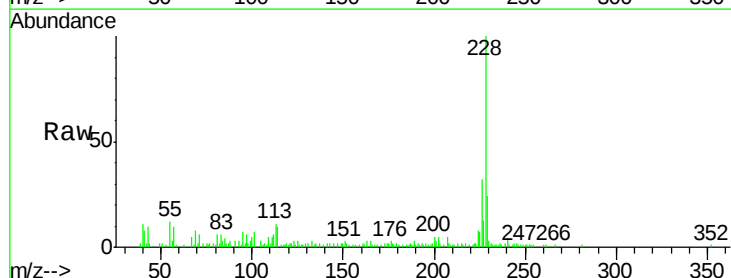
Tgt Ion:228 Resp: 36548

Ion Ratio Lower Upper

228 100

226 31.8 24.8 37.2

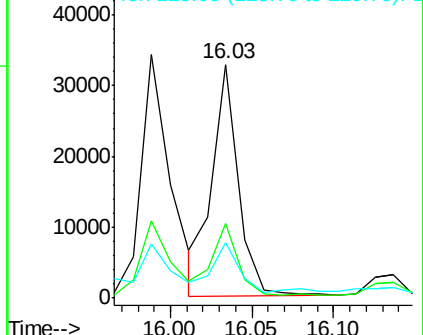
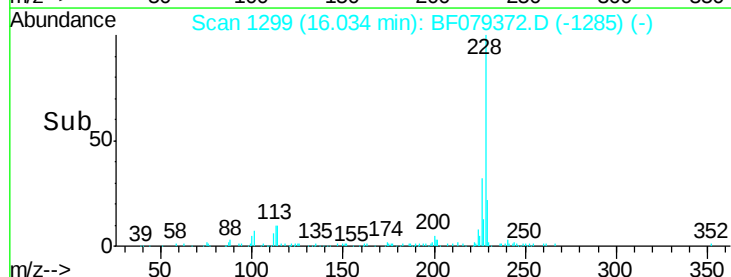
229 23.6 16.1 24.1

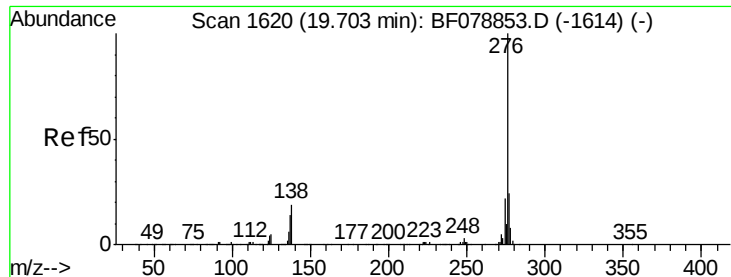


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.03 ng

RT: 19.15 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF079372.D

Acq: 20 May 2015 7:50

Instrument :

BNA_F

ClientSampleId :

SB-33S

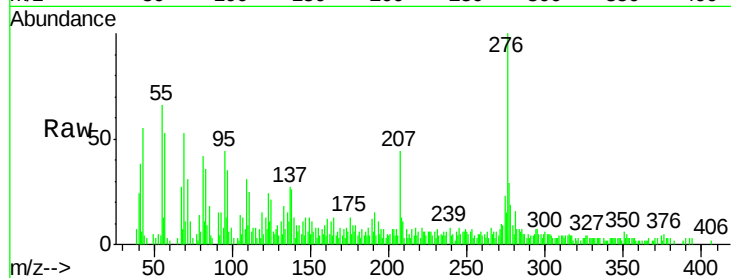
Tgt Ion:276 Resp: 27285

Ion Ratio Lower Upper

276 100

138 23.9 21.1 31.7

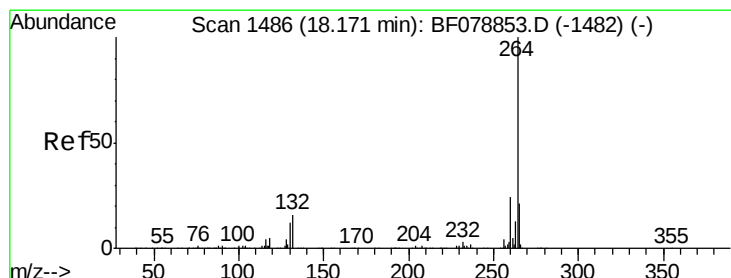
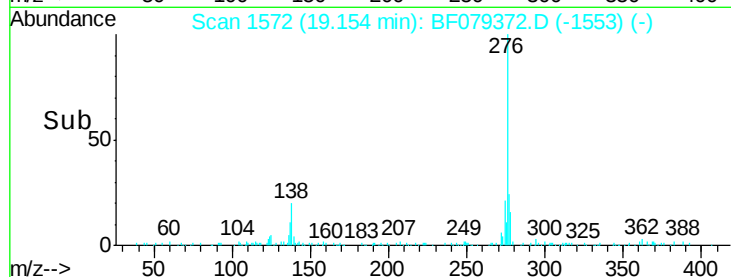
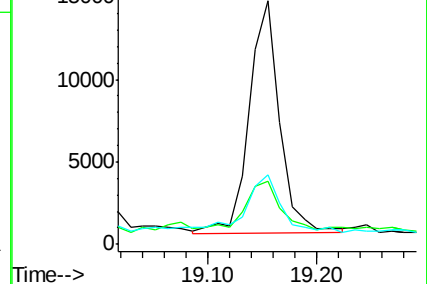
277 32.5 19.9 29.9#



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: 17.77 min Scan# 1451

Delta R.T. 0.01 min

Lab File: BF079372.D

Acq: 20 May 2015 7:50

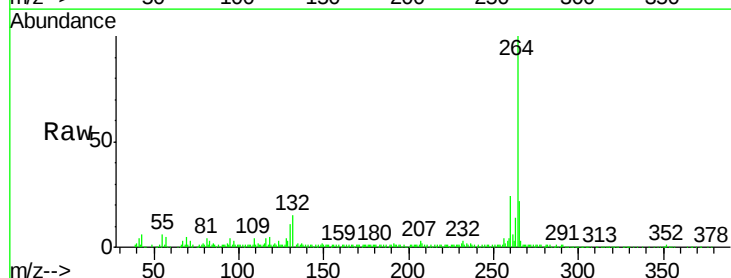
Tgt Ion:264 Resp: 211318

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

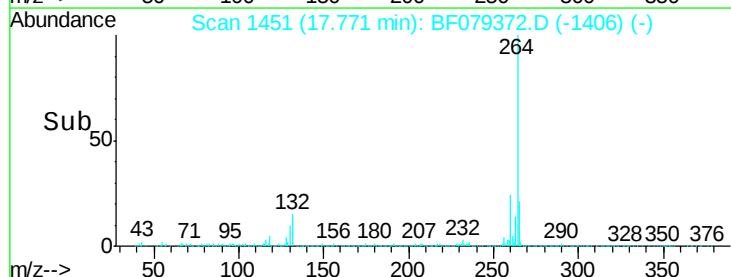
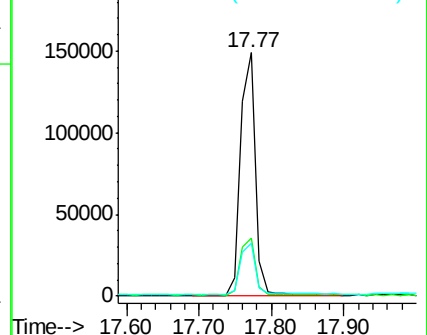
265 21.7 17.2 25.8

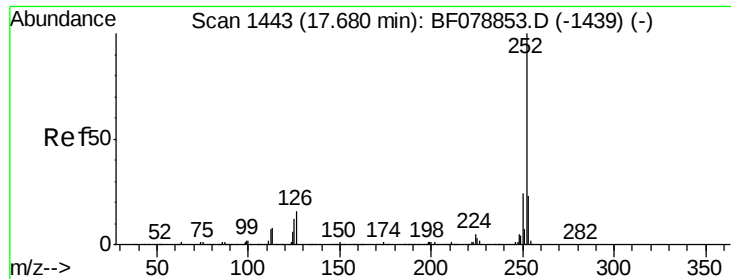


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.91 ng

RT: 17.31 min Scan# 1411

Delta R.T. 0.01 min

Lab File: BF079372.D

Acq: 20 May 2015 7:50

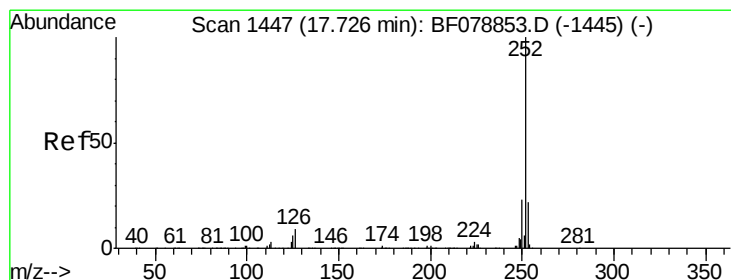
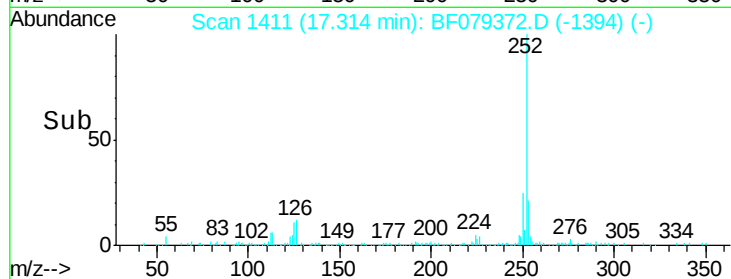
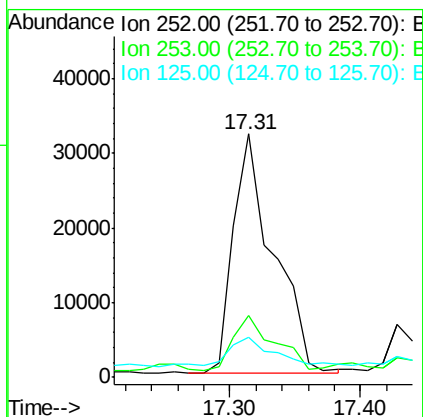
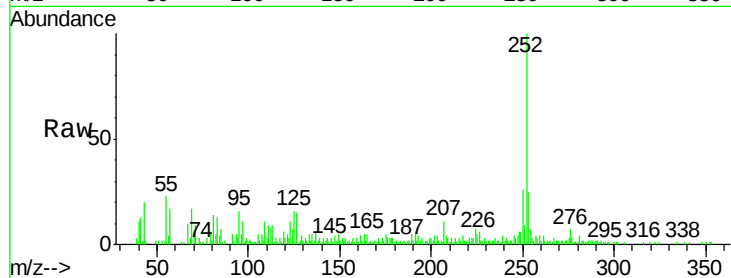
Instrument :

BNA_F

ClientSampleId :

SB-33S

Tgt Ion:	252	Resp:	68412
Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	16.3	9.4	14.2#



#88

Benzo(k)fluoranthene

Concen: 6.11 ng

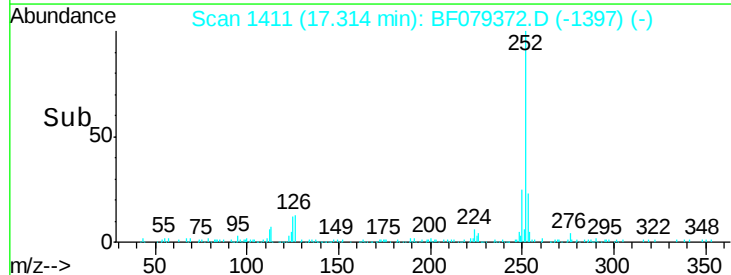
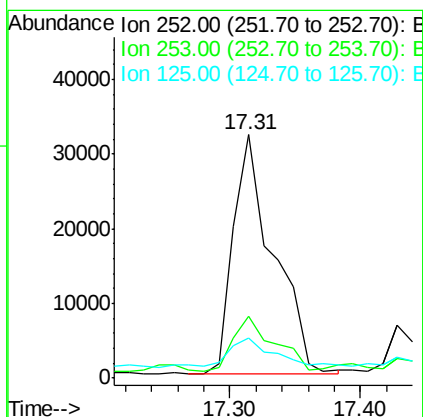
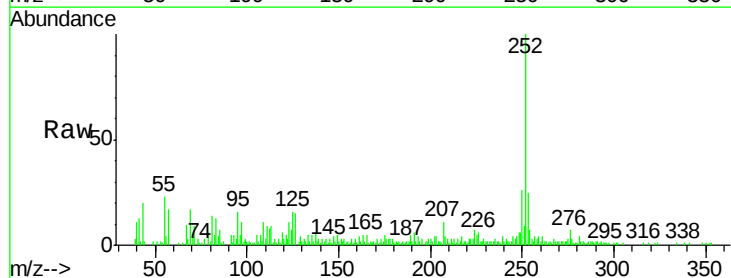
RT: 17.31 min Scan# 1411

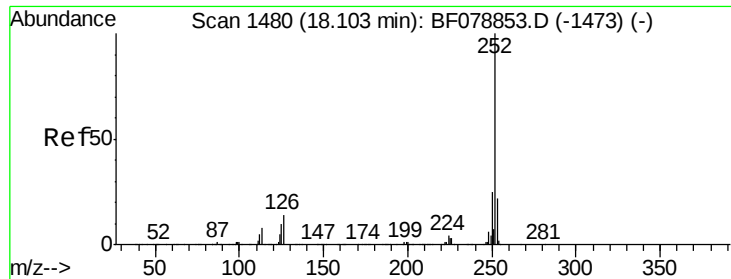
Delta R.T. -0.02 min

Lab File: BF079372.D

Acq: 20 May 2015 7:50

Tgt Ion:	252	Resp:	68412
Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.4	26.0
125	16.3	6.1	9.1#





#89

Benzo(a)pyrene

Concen: 3.58 ng

RT: 17.70 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BF079372.D

Acq: 20 May 2015 7:50

Instrument :

BNA_F

ClientSampleId :

SB-33S

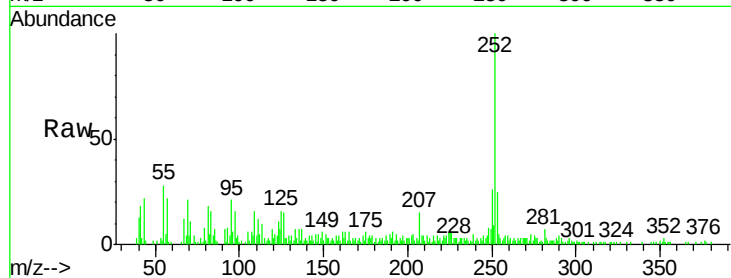
Tgt Ion:252 Resp: 38092

Ion Ratio Lower Upper

252 100

253 25.2 18.0 27.0

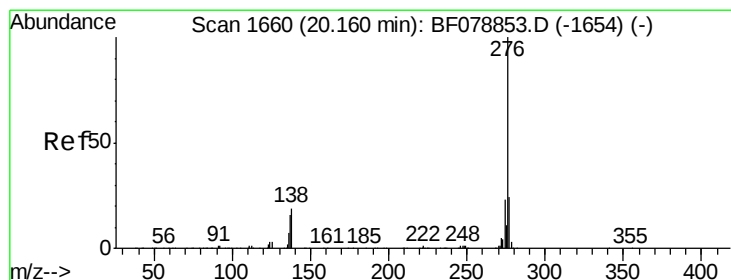
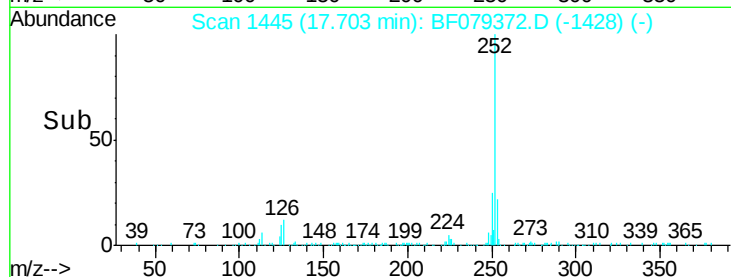
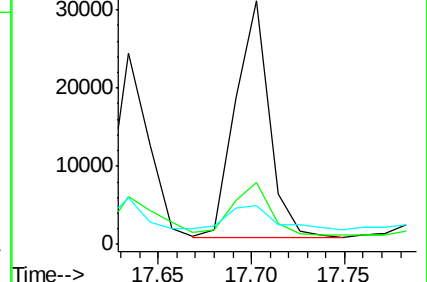
125 15.9 8.2 12.2#



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



#91

Benzo(g,h,i)perylene

Concen: 2.41 ng

RT: 19.55 min Scan# 1607

Delta R.T. 0.01 min

Lab File: BF079372.D

Acq: 20 May 2015 7:50

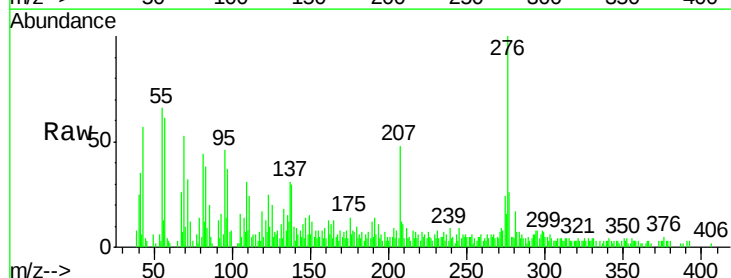
Tgt Ion:276 Resp: 27296

Ion Ratio Lower Upper

276 100

277 26.0 18.8 28.2

138 30.4 15.2 22.8#



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

