

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051515\
 Data File : BF079297.D
 Acq On : 16 May 2015 6:45
 Operator : TP/IZ
 Sample : G2215-14
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-37D

Quant Time: May 18 00:57:45 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 01:57:52 2015
 Response via : Initial Calibration

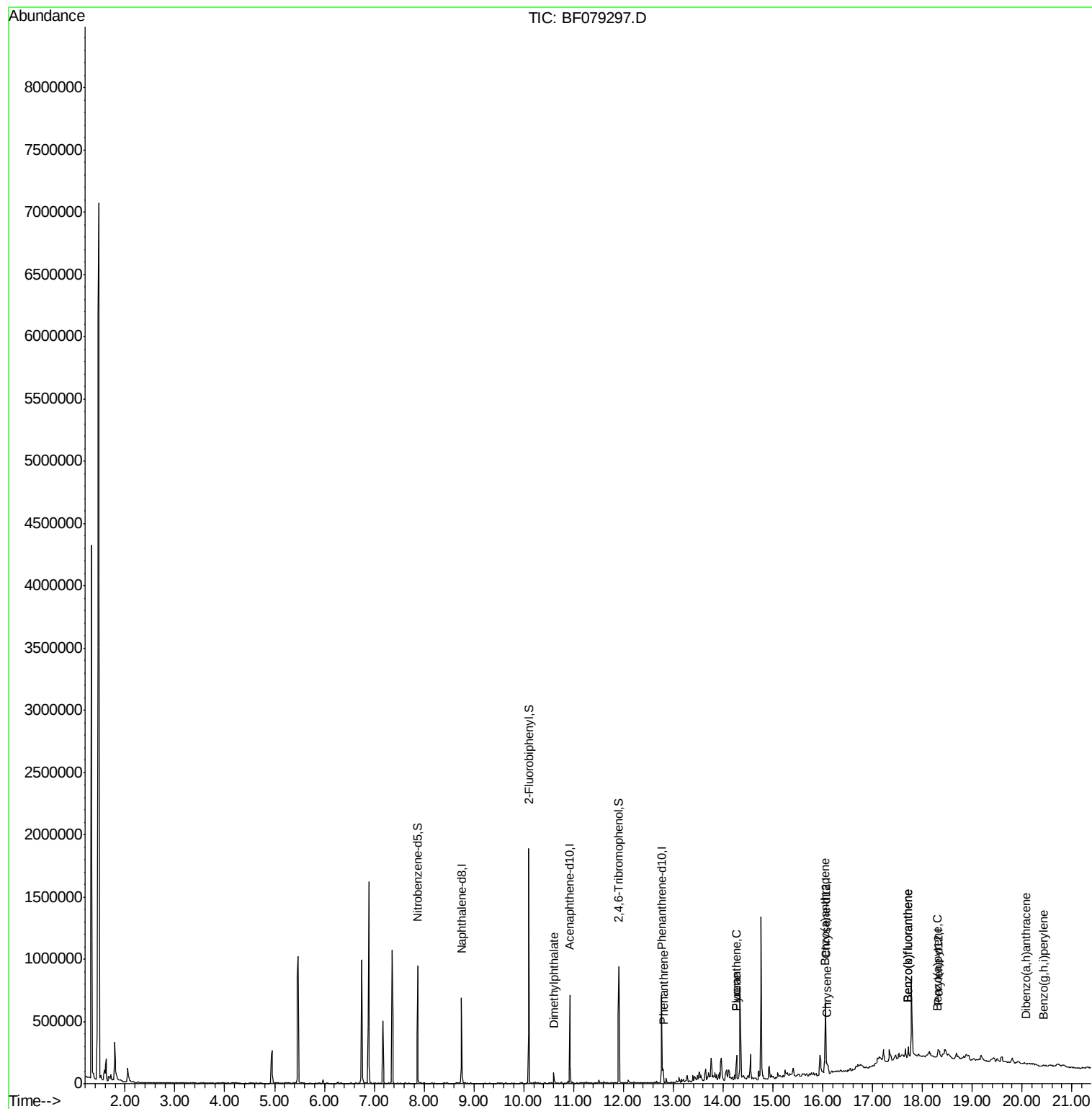
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.22
21) Naphthalene-d8	8.75	136	303300	20.00	ng	-0.05
38) Acenaphthene-d10	10.92	164	140512	20.00	ng	-0.05
63) Phenanthrene-d10	12.77	188	260918	20.00	ng	-0.06
75) Chrysene-d12	16.06	240	268895	20.00	ng	-0.45
86) Perylene-d12	18.32	264	2963	20.00	ng	-0.56
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.87	82	318875	60.42	ng	-0.05
41) 2,4,6-Tribromophenol	11.91	330	144083	94.79	ng	-0.05
44) 2-Fluorobiphenyl	10.10	172	566853	56.20	ng	-0.05
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						
49) Dimethylphthalate	10.60	163	33442	3.24	ng	98
70) Phenanthrene	12.80	178	62702	4.30	ng	99
74) Fluoranthene	14.27	202	93956	6.18	ng	92
77) Pyrene	14.27	202	93956	6.06	ng	96
80) Benzo(a)anthracene	16.05	228	49434	3.36	ng	96
82) Chrysene	16.08	228	43545	3.07	ng	97
87) Benzo(b)fluoranthene	17.71	252	43797	270.05	ng	# 92
88) Benzo(k)fluoranthene	17.71	252	44040	280.50	ng	# 87
89) Benzo(a)pyrene	18.30	252	474	3.17	ng	# 1
90) Dibenzo(a,h)anthracene	20.08	278	1435	9.04	ng	# 1
91) Benzo(g,h,i)perylene	20.43	276	1216	7.64	ng	# 55

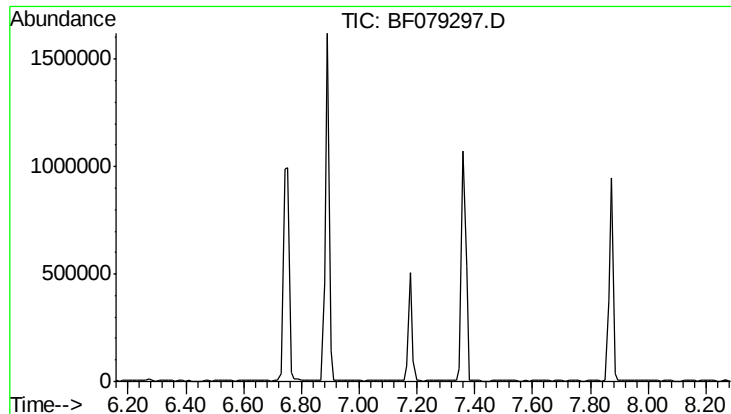
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 7.22 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

Instrument :

BNA_F

ClientSampleId :

SB-37D

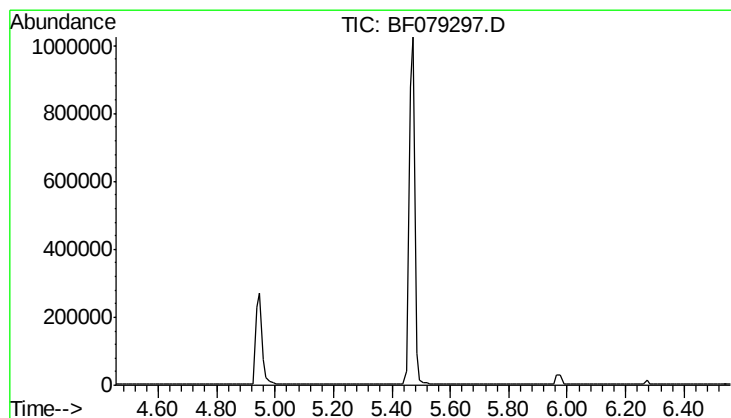
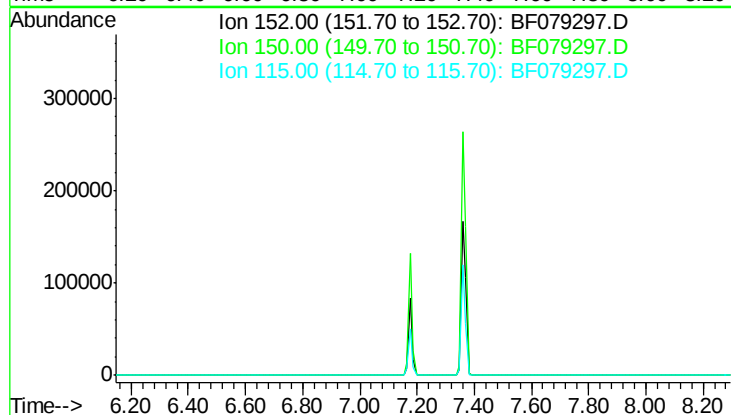
Tgt Ion: 152

Sig Exp Ratio

152 100

150 154.8

115 61.7



#5

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.51 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

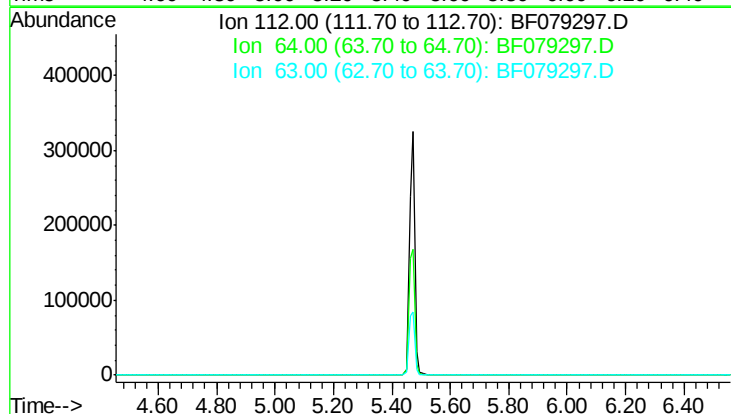
Tgt Ion: 112

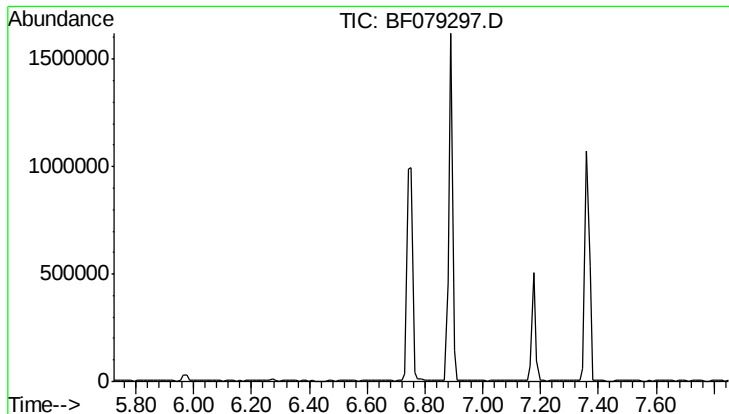
Sig Exp Ratio

112 100

64 55.2

63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.79 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

Instrument :

BNA_F

ClientSampleId :

SB-37D

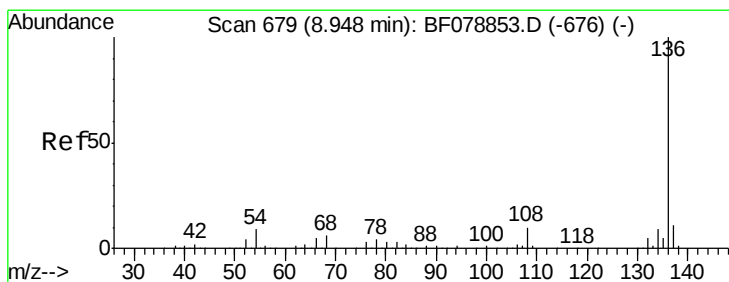
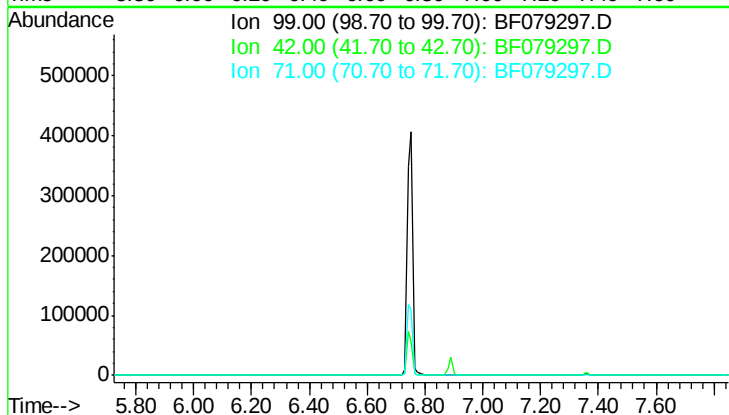
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.75 min Scan# 662

Delta R.T. -0.05 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

Tgt Ion:136 Resp: 303300

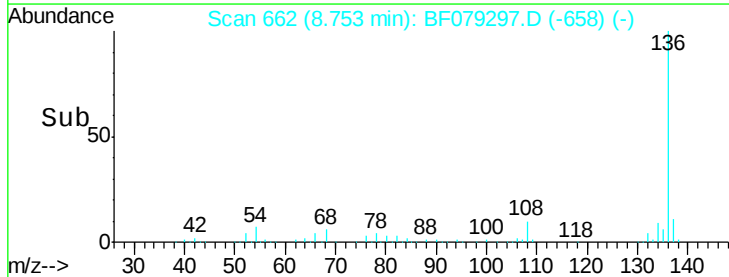
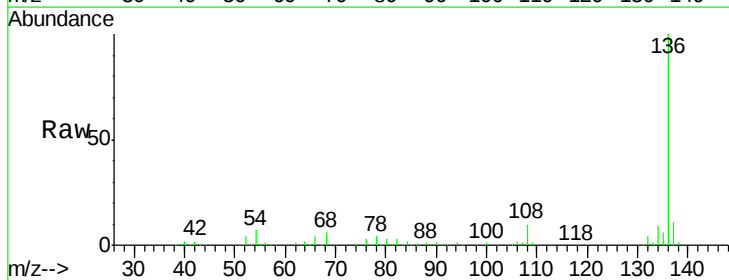
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.2 6.9 10.3

68 5.6 4.9 7.3

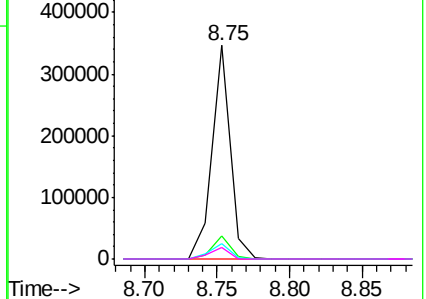


Abundance Ion 136.00 (135.70 to 136.70): E

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

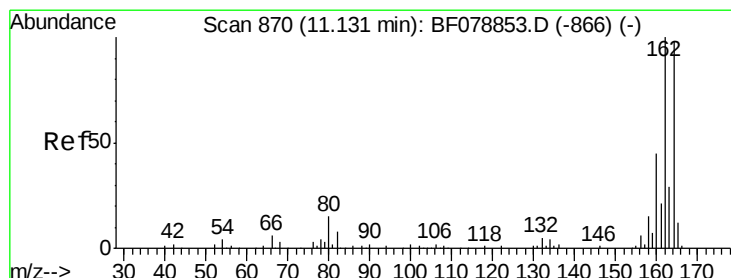
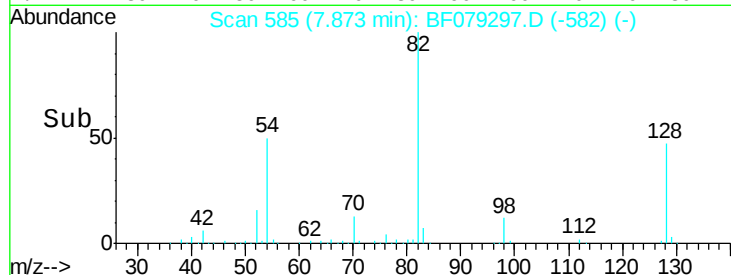
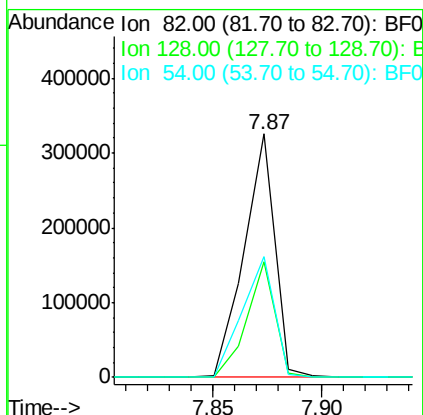
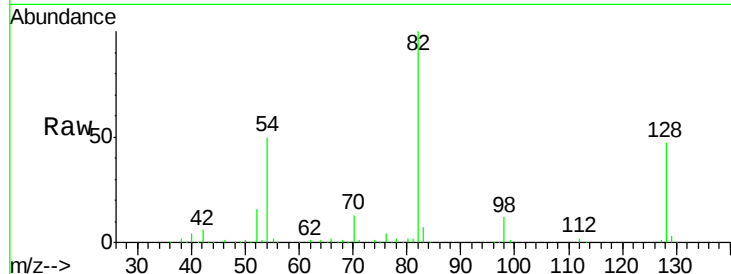




#23
 Nitrobenzene-d5
 Concen: 60.42 ng
 RT: 7.87 min Scan# 585
 Delta R.T. -0.05 min
 Lab File: BF079297.D
 Acq: 16 May 2015 6:45

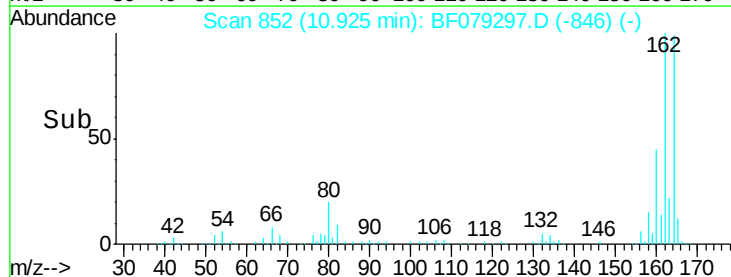
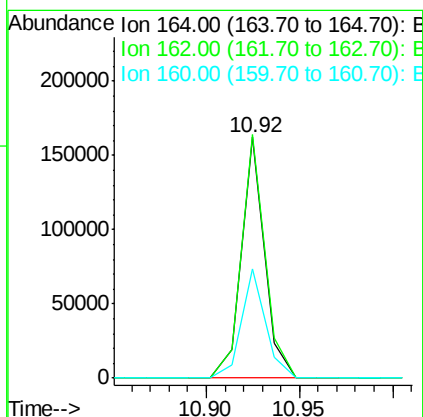
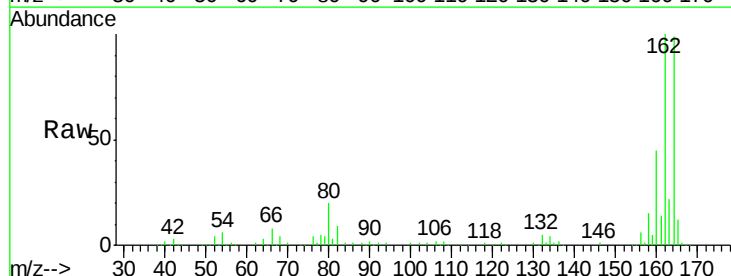
Instrument :
 BNA_F
 ClientSampleId :
 SB-37D

Tgt Ion: 82 Resp: 318875
 Ion Ratio Lower Upper
 82 100
 128 47.4 29.7 44.5#
 54 49.8 46.2 69.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.92 min Scan# 852
 Delta R.T. -0.05 min
 Lab File: BF079297.D
 Acq: 16 May 2015 6:45

Tgt Ion: 164 Resp: 140512
 Ion Ratio Lower Upper
 164 100
 162 101.3 81.4 122.0
 160 45.2 36.6 54.8

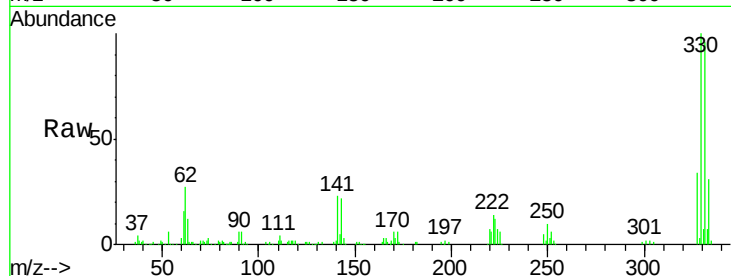




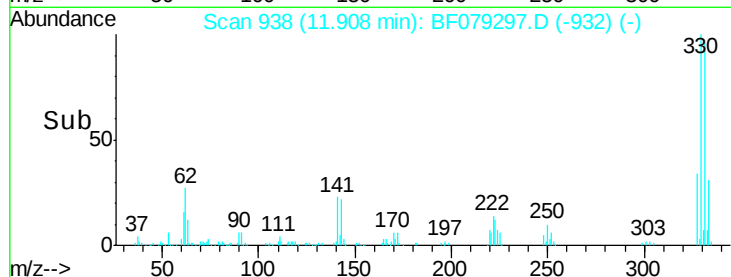
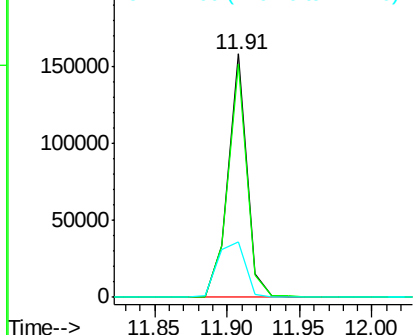
#41
 2,4,6-Tribromophenol
 Concen: 94.79 ng
 RT: 11.91 min Scan# 938
 Delta R.T. -0.05 min
 Lab File: BF079297.D
 Acq: 16 May 2015 6:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-37D

Tgt Ion:330 Resp: 144083
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.9 115.3
 141 33.2 27.8 41.8

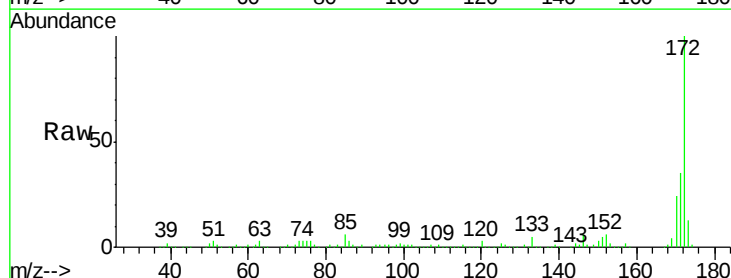


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

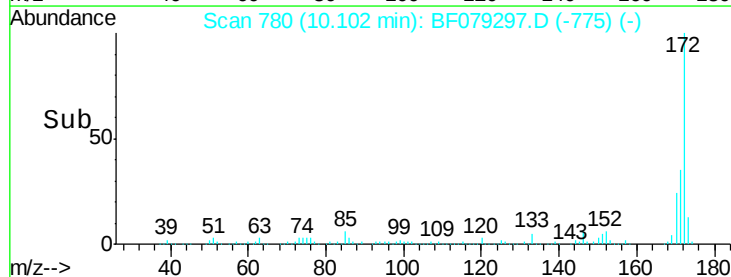
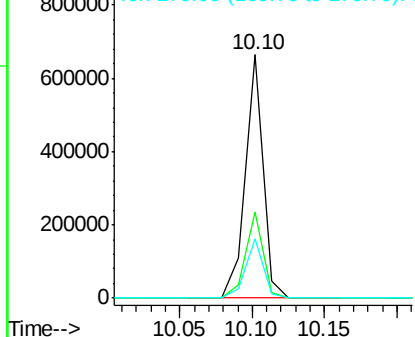


#44
 2-Fluorobiphenyl
 Concen: 56.20 ng
 RT: 10.10 min Scan# 780
 Delta R.T. -0.05 min
 Lab File: BF079297.D
 Acq: 16 May 2015 6:45

Tgt Ion:172 Resp: 566853
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.3 42.5
 170 24.2 19.4 29.2



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: 3.24 ng

RT: 10.60 min Scan# 824

Delta R.T. -0.06 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

Instrument :

BNA_F

ClientSampleId :

SB-37D

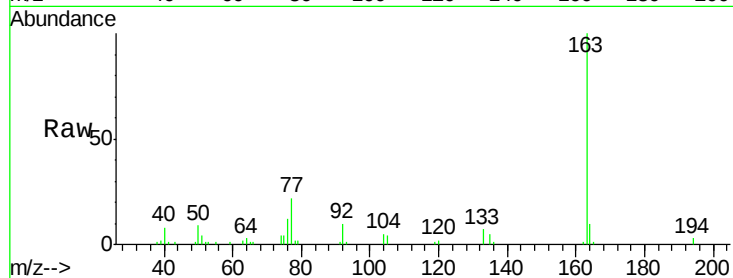
Tgt Ion:163 Resp: 33442

Ion Ratio Lower Upper

163 100

194 2.7 2.4 3.6

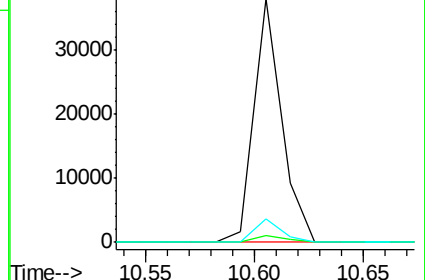
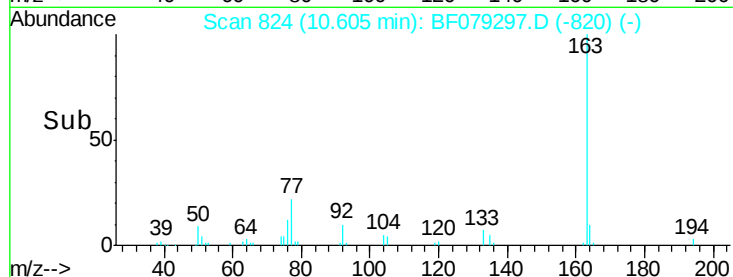
164 9.7 8.6 12.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.77 min Scan# 1013

Delta R.T. -0.06 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

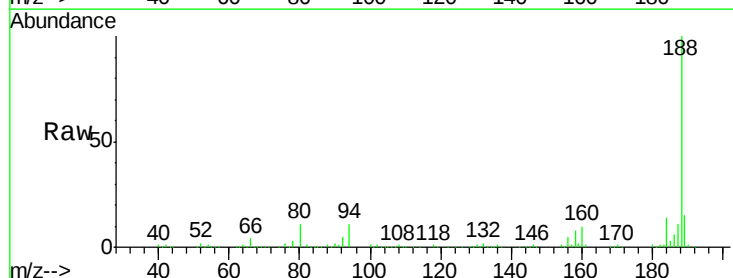
Tgt Ion:188 Resp: 260918

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.0

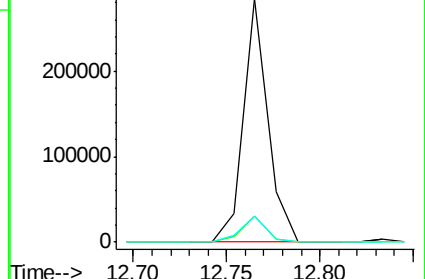
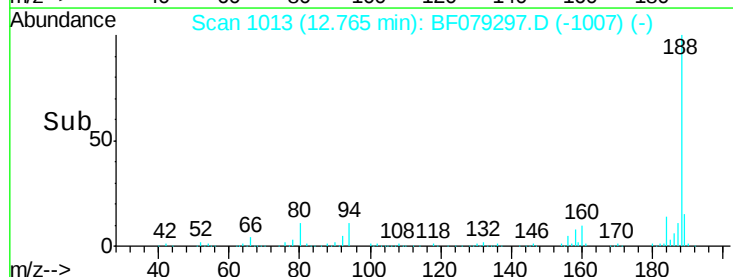
80 10.6 9.8 14.6

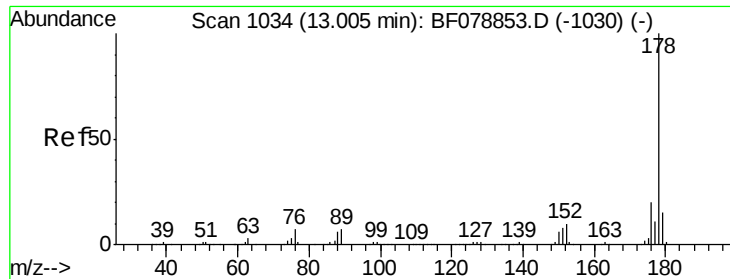


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

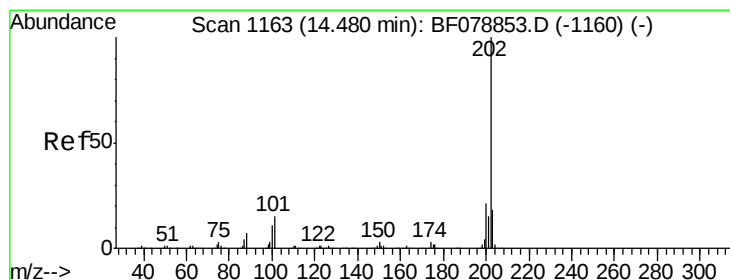
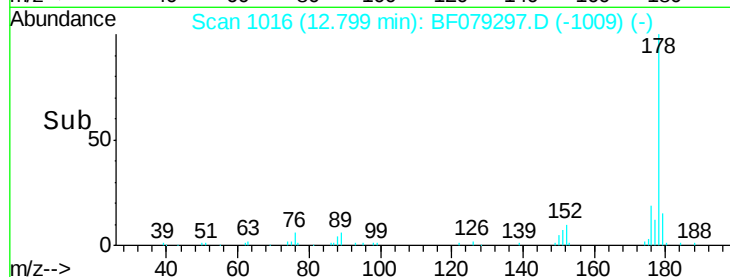
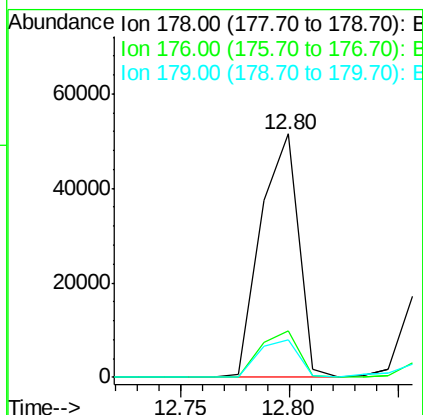
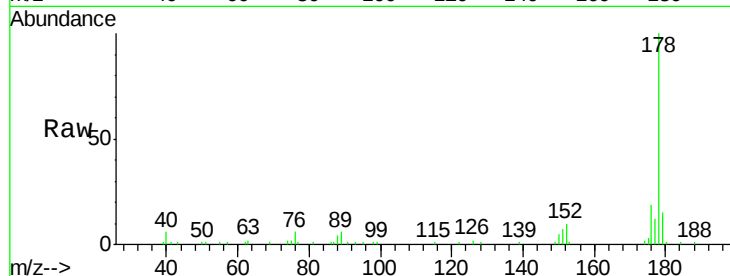




#70
Phenanthrene
Concen: 4.30 ng
RT: 12.80 min Scan# 1016
Delta R.T. -0.05 min
Lab File: BF079297.D
Acq: 16 May 2015 6:45

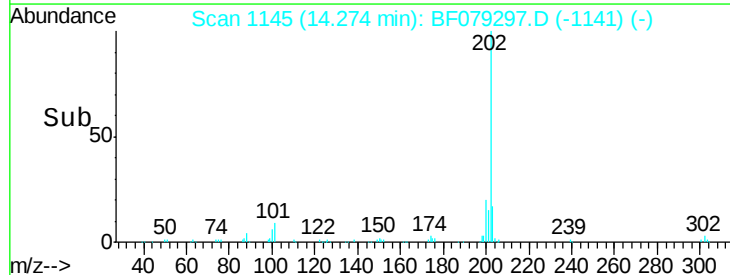
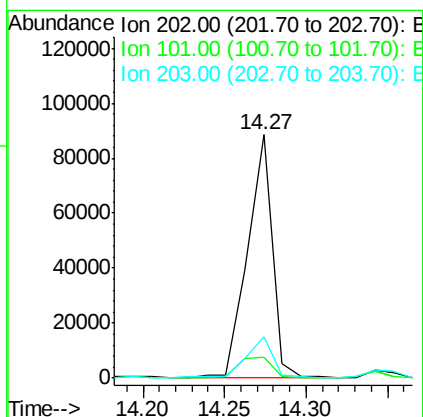
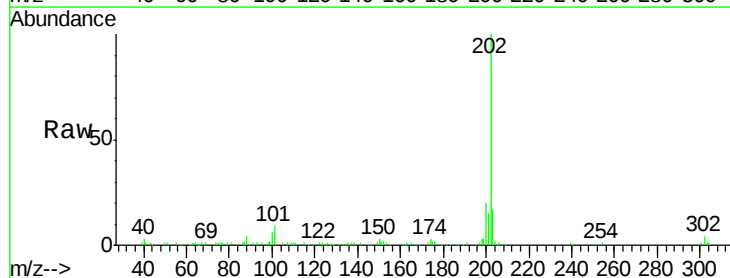
Instrument :
BNA_F
ClientSampleId :
SB-37D

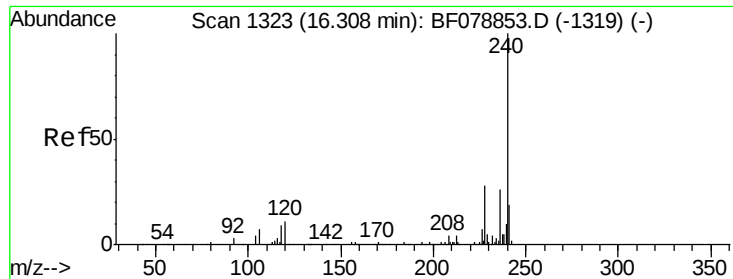
Tgt Ion:178 Resp: 62702
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.2 12.2 18.4



#74
Fluoranthene
Concen: 6.18 ng
RT: 14.27 min Scan# 1145
Delta R.T. -0.10 min
Lab File: BF079297.D
Acq: 16 May 2015 6:45

Tgt Ion:202 Resp: 93956
Ion Ratio Lower Upper
202 100
101 8.7 0.0 34.7
203 17.1 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.06 min Scan# 1301

Delta R.T. -0.45 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

Instrument :

BNA_F

ClientSampleId :

SB-37D

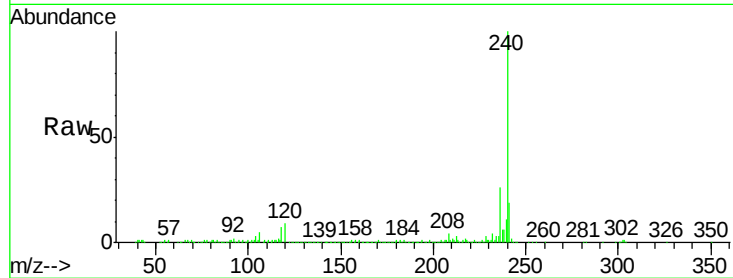
Tgt Ion:240 Resp: 268895

Ion Ratio Lower Upper

240 100

120 8.7 8.6 12.8

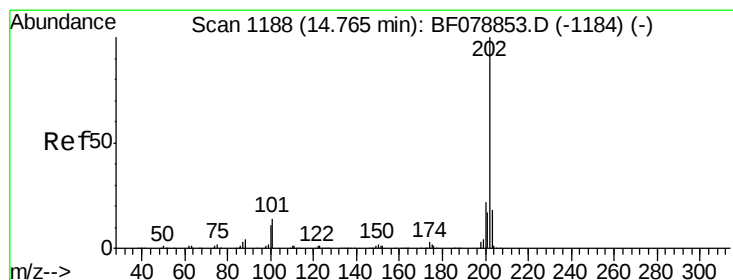
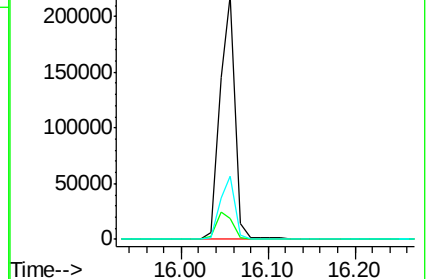
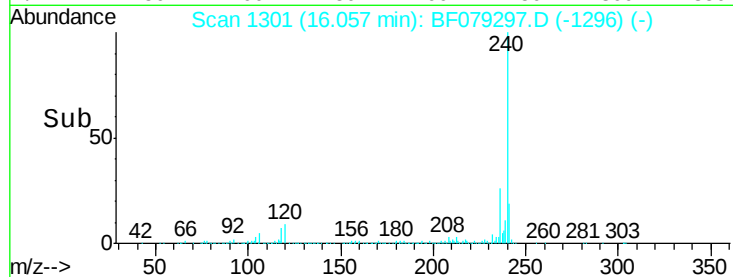
236 25.9 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.06 ng

RT: 14.27 min Scan# 1145

Delta R.T. -0.41 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

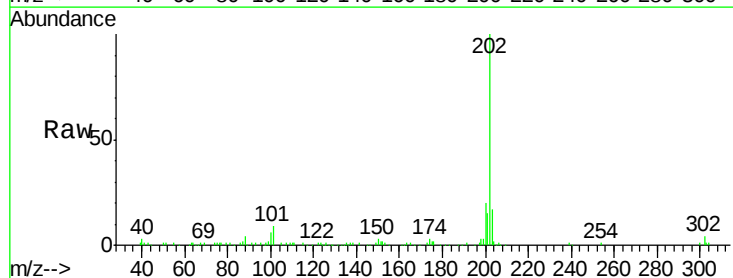
Tgt Ion:202 Resp: 93956

Ion Ratio Lower Upper

202 100

200 19.8 17.5 26.3

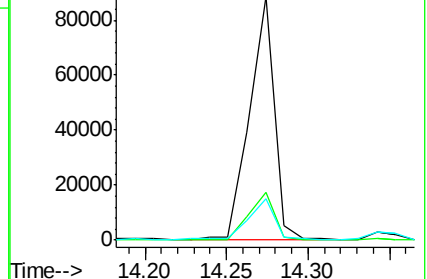
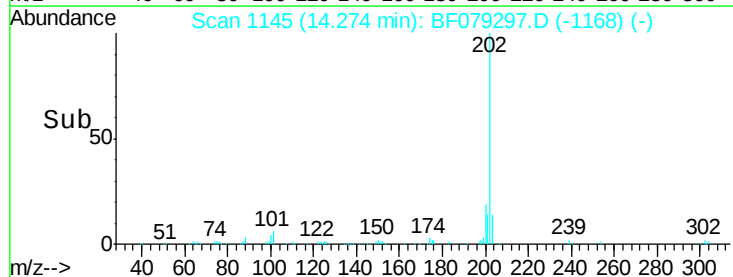
203 17.1 14.7 22.1

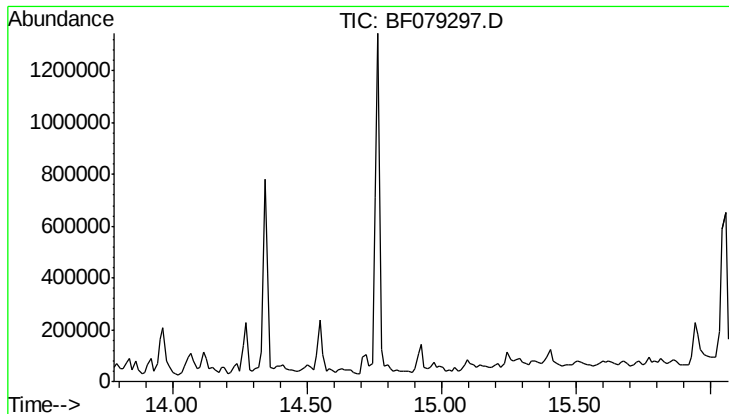


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



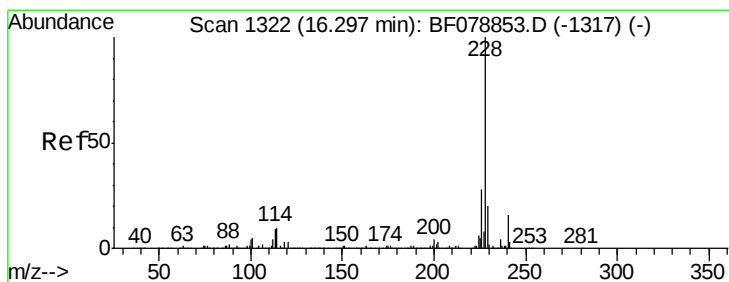
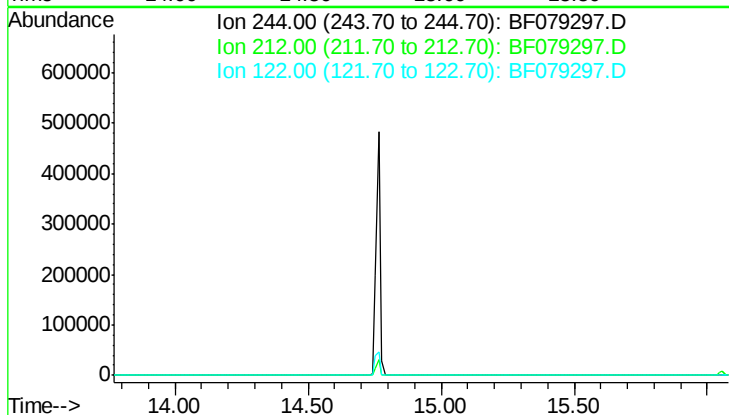


#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.93 min
 Lab File: BF079297.D
 Acq: 16 May 2015 6:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-37D

Tgt Ion: 244

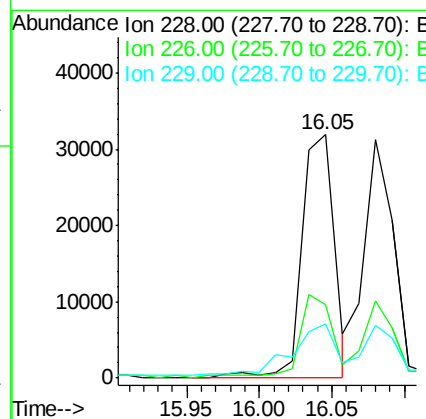
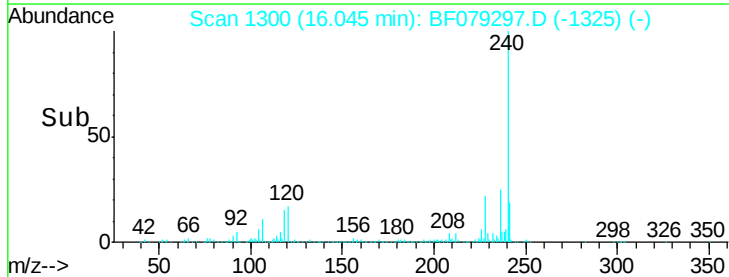
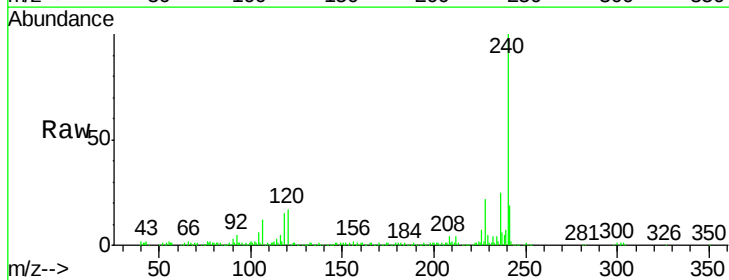
Sig	Exp Ratio
244	100
212	7.0
122	13.1

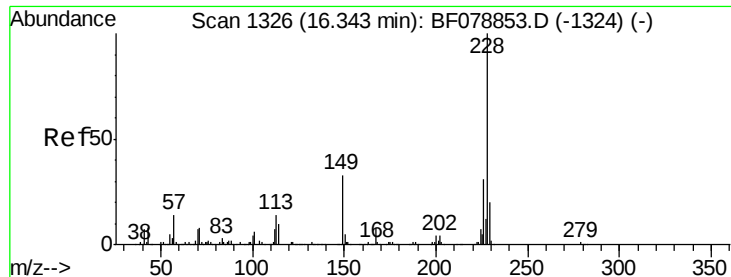


#80
 Benzo(a)anthracene
 Concen: 3.36 ng
 RT: 16.05 min Scan# 1300
 Delta R.T. -0.45 min
 Lab File: BF079297.D
 Acq: 16 May 2015 6:45

Tgt Ion: 228 Resp: 49434

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.3	33.5
229	22.1	16.1	24.1

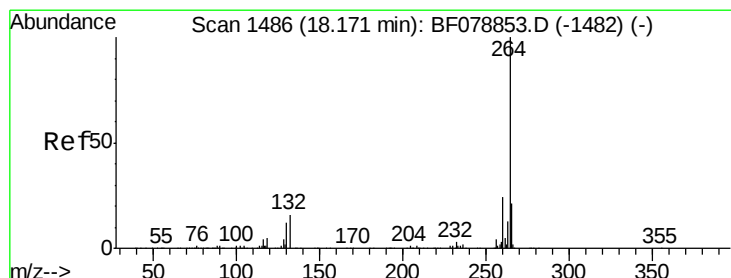
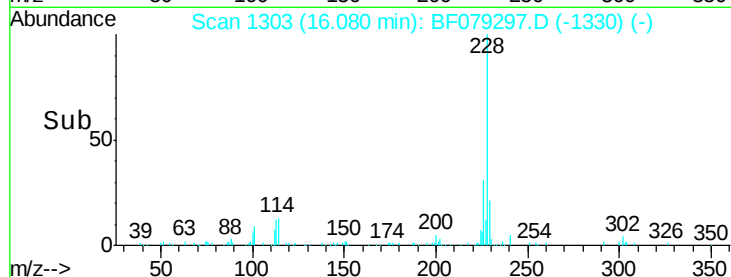
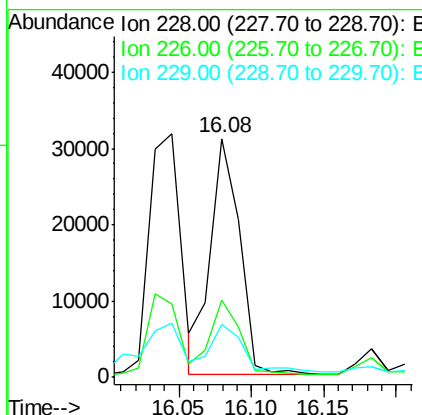
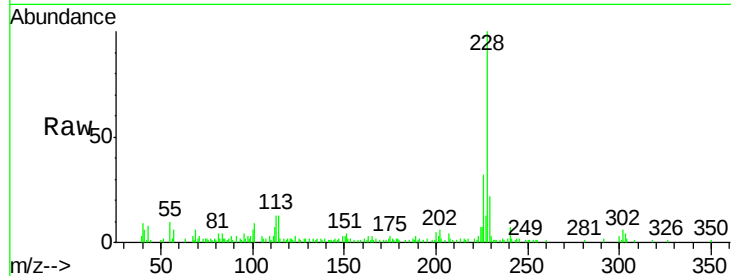




#82
Chrysene
Concen: 3.07 ng
RT: 16.08 min Scan# 1303
Delta R.T. -0.47 min
Lab File: BF079297.D
Acq: 16 May 2015 6:45

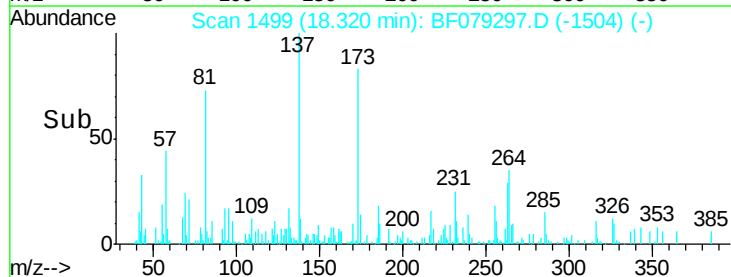
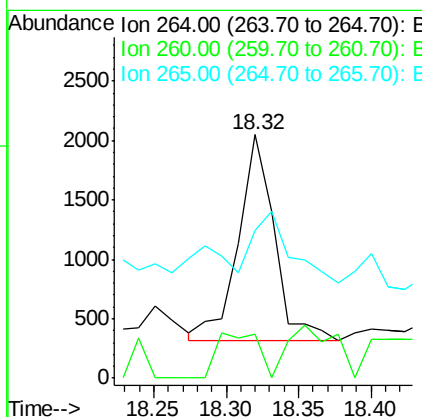
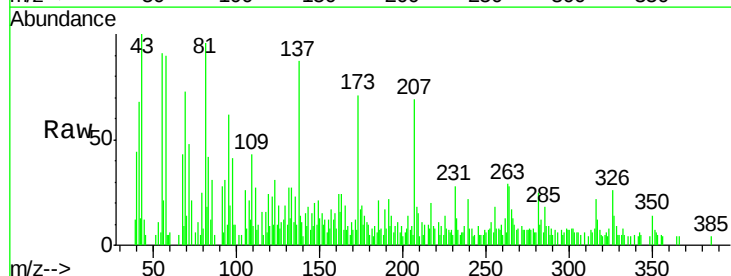
Instrument :
BNA_F
ClientSampleId :
SB-37D

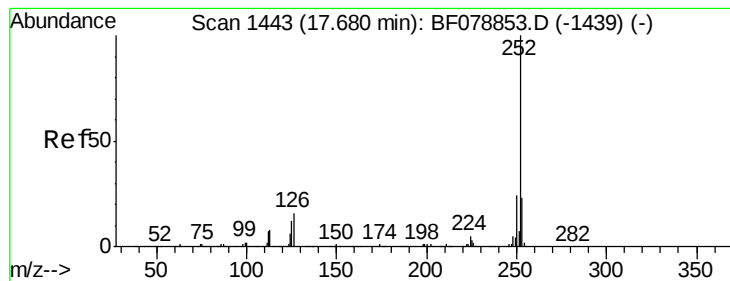
Tgt Ion: 228 Resp: 43545
Ion Ratio Lower Upper
228 100
226 32.2 24.8 37.2
229 22.3 16.1 24.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.32 min Scan# 1499
Delta R.T. -0.56 min
Lab File: BF079297.D
Acq: 16 May 2015 6:45

Tgt Ion: 264 Resp: 2963
Ion Ratio Lower Upper
264 100
260 18.3 19.2 28.8#
265 60.6 17.2 25.8#





#87

Benzo(b)fluoranthene

Concen: 270.05 ng

RT: 17.71 min Scan# 1446

Delta R.T. -0.54 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

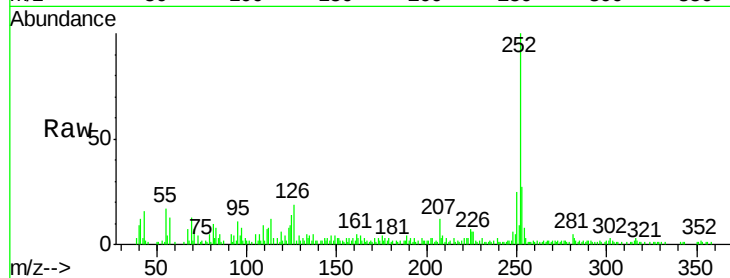
Instrument :

BNA_F

ClientSampleId :

SB-37D

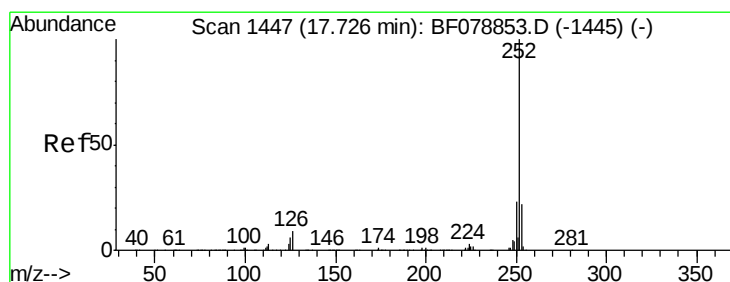
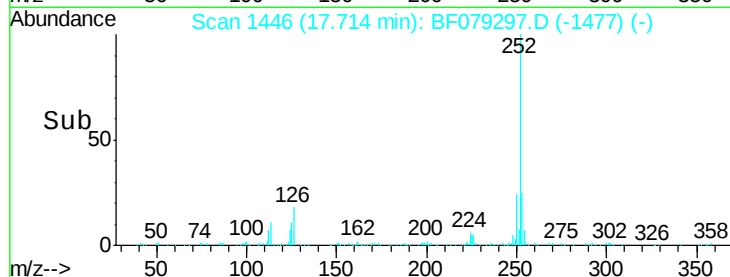
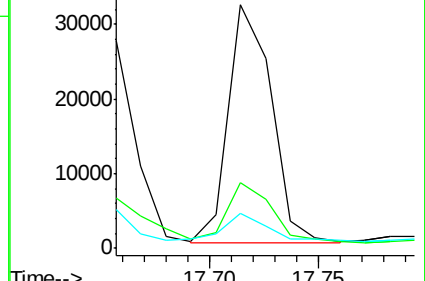
Tgt Ion:	252	Resp:	43797
Ion Ratio	Lower	Upper	
252	100		
253	26.9	18.1	27.1
125	14.3	9.4	14.2#



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



#88

Benzo(k)fluoranthene

Concen: 280.50 ng

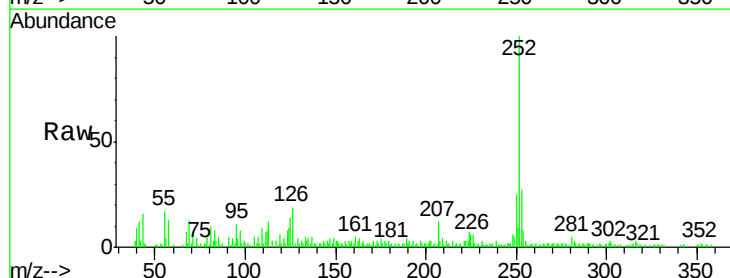
RT: 17.71 min Scan# 1446

Delta R.T. -0.58 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

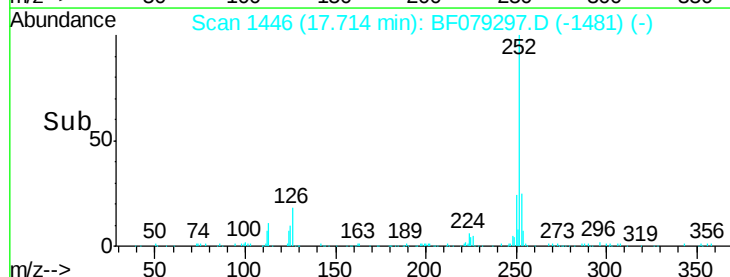
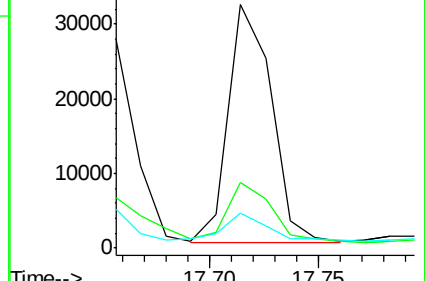
Tgt Ion:	252	Resp:	44040
Ion Ratio	Lower	Upper	
252	100		
253	26.9	17.4	26.0#
125	14.3	6.1	9.1#

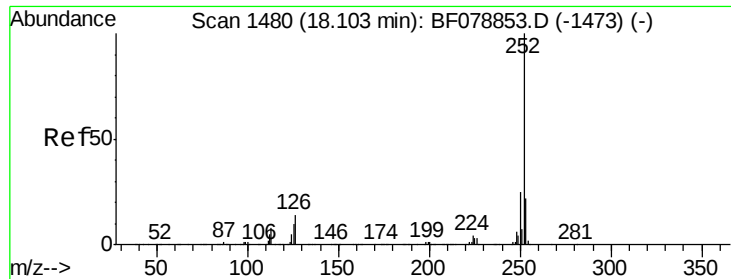


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.17 ng

RT: 18.30 min Scan# 1497

Delta R.T. -0.49 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

Instrument :

BNA_F

ClientSampleId :

SB-37D

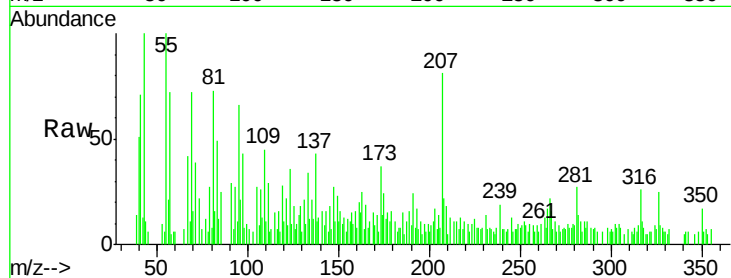
Tgt Ion:252 Resp: 474

Ion Ratio Lower Upper

252 100

253 81.8 18.0 27.0#

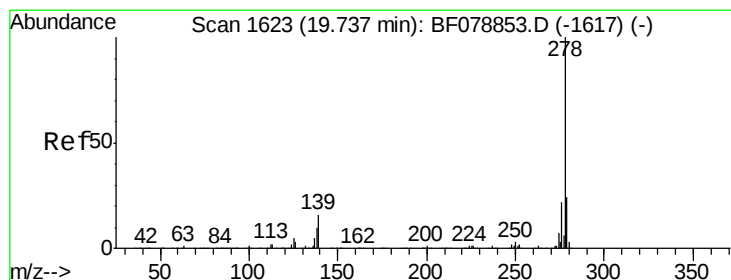
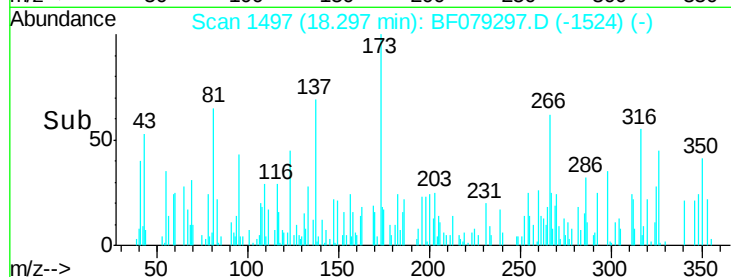
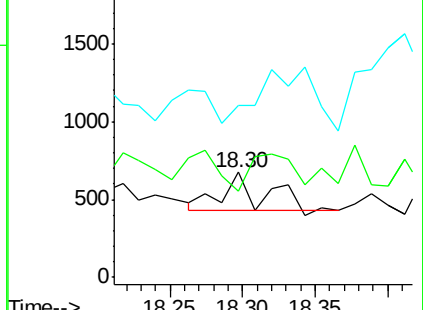
125 164.2 8.2 12.2#



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



#90

Dibenzo(a,h)anthracene

Concen: 9.04 ng

RT: 20.08 min Scan# 1653

Delta R.T. -0.61 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

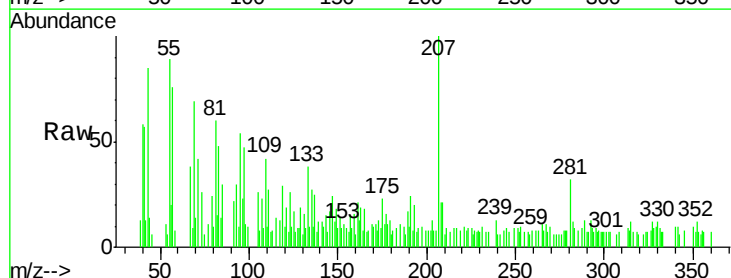
Tgt Ion:278 Resp: 1435

Ion Ratio Lower Upper

278 100

139 143.4 13.1 19.7#

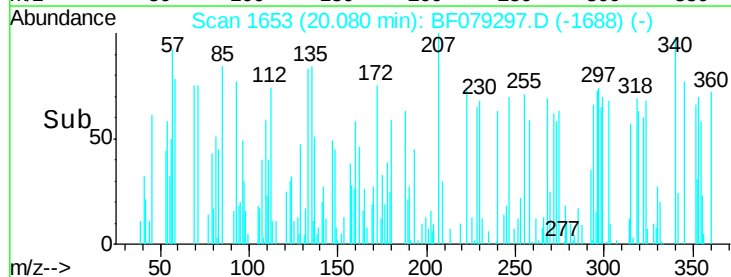
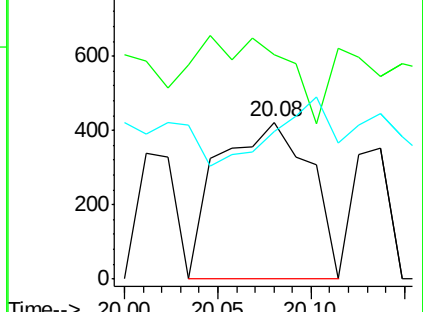
279 94.5 19.1 28.7#

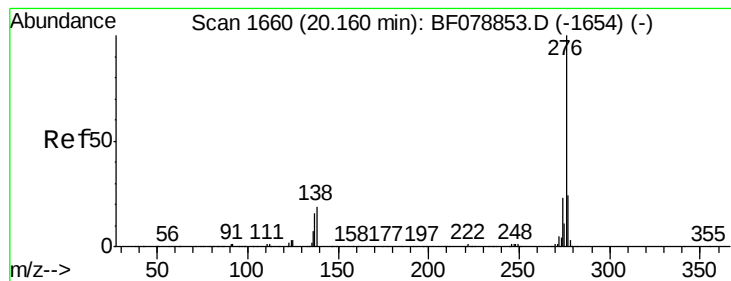


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.64 ng

RT: 20.43 min Scan# 1684

Delta R.T. -0.65 min

Lab File: BF079297.D

Acq: 16 May 2015 6:45

Instrument :

BNA_F

ClientSampleId :

SB-37D

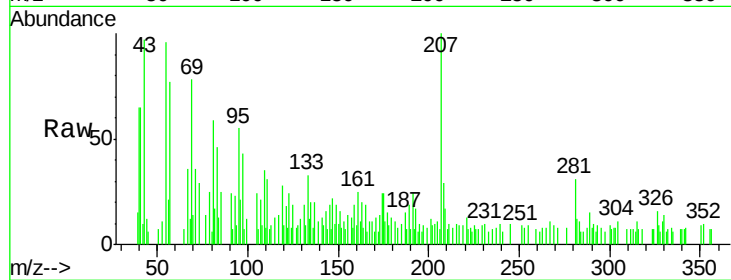
Tgt Ion: 276 Resp: 1216

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 0.0 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

