

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
 Data File : BF077279.D
 Acq On : 12 Feb 2015 9:35
 Operator : TP/IZ
 Sample : G1254-04RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UB10BRE

Quant Time: Feb 12 11:37:46 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 10 13:30:38 2015
 Response via : Initial Calibration

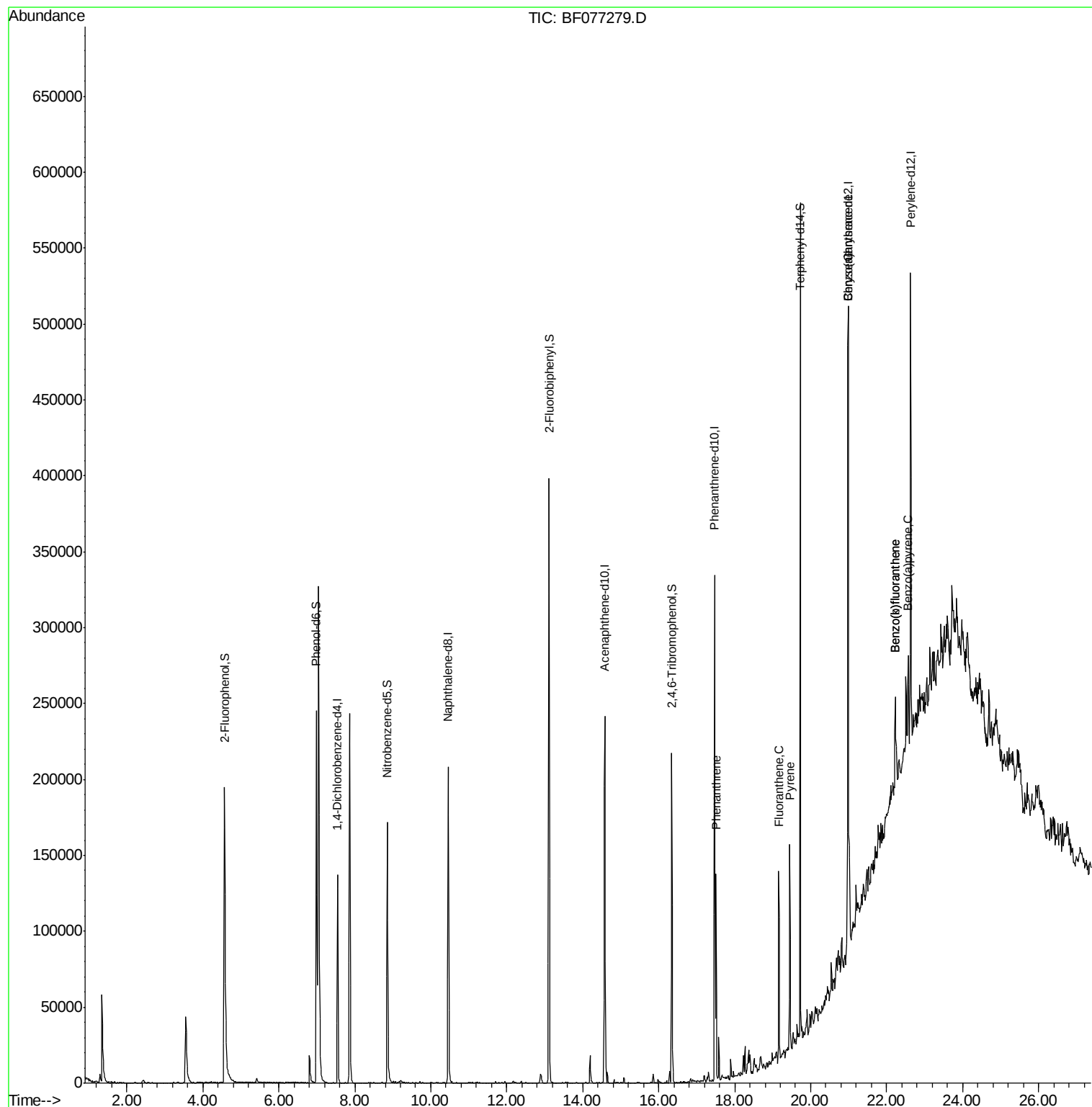
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	41795	20.00	ng	-0.06
21) Naphthalene-d8	10.45	136	171194	20.00	ng	-0.05
38) Acenaphthene-d10	14.58	164	100271	20.00	ng	-0.05
63) Phenanthrene-d10	17.47	188	160991	20.00	ng	-0.03
75) Chrysene-d12	20.99	240	155974	20.00	ng	-0.02
86) Perylene-d12	22.63	264	142779	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.57	112	141086	55.50	ng	-0.02
7) Phenol-d6	6.99	99	183696	57.28	ng	-0.02
23) Nitrobenzene-d5	8.85	82	95264	30.83	ng	-0.05
41) 2,4,6-Tribromophenol	16.34	330	32103	39.44	ng	-0.03
44) 2-Fluorobiphenyl	13.12	172	229323	34.80	ng	-0.05
78) Terphenyl-d14	19.72	244	232716	34.35	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	17.51	178	64547	6.43	ng	98
74) Fluoranthene	19.16	202	72262	7.02	ng	100
77) Pyrene	19.45	202	61624	5.76	ng	97
80) Benzo(a)anthracene	20.98	228	37634	3.85	ng	98
82) Chrysene	20.98	228	37632	4.22	ng	96
87) Benzo(b)fluoranthene	22.23	252	45336	4.71	ng	# 93
88) Benzo(k)fluoranthene	22.23	252	45336	5.40	ng	# 90
89) Benzo(a)pyrene	22.57	252	23326	2.75	ng	# 92

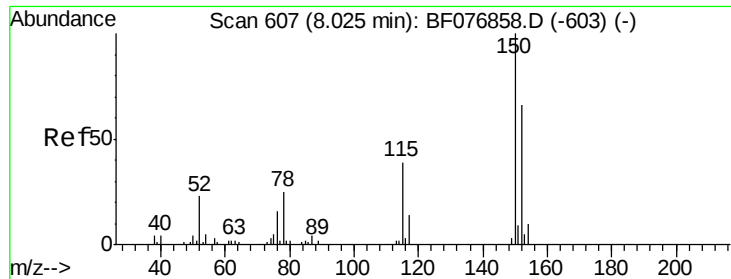
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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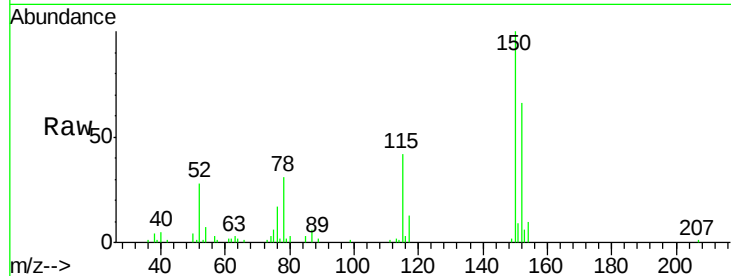


#1

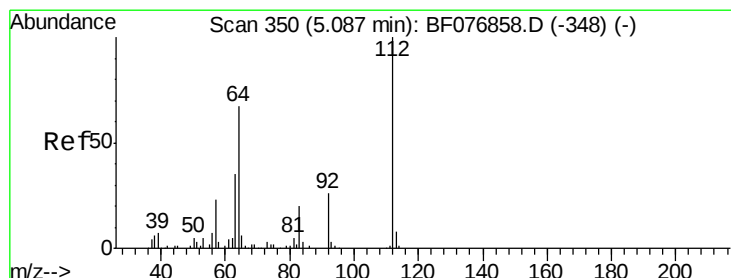
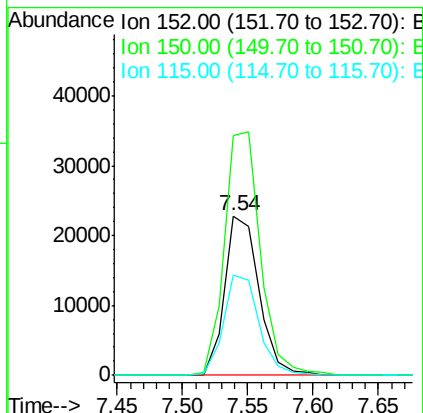
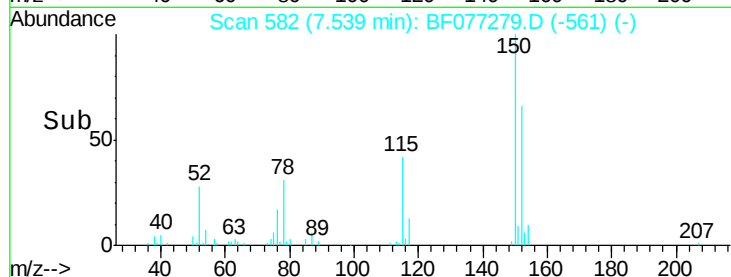
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 582
Delta R.T. -0.06 min
Lab File: BF077279.D
Acq: 12 Feb 2015 9:35

Instrument :
BNA_F
ClientSampleId :
UB10BRE

Tgt Ion:152 Resp: 41795
Ion Ratio Lower Upper
152 100
150 150.4 121.7 182.5
115 62.8 47.0 70.6



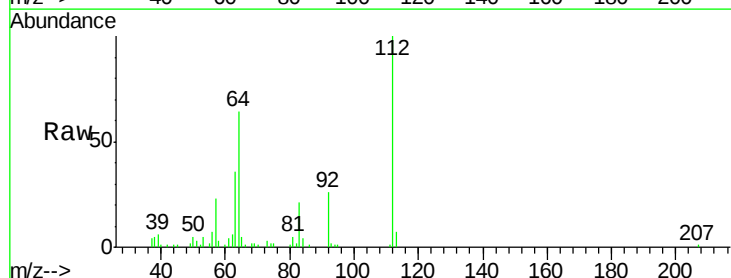
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



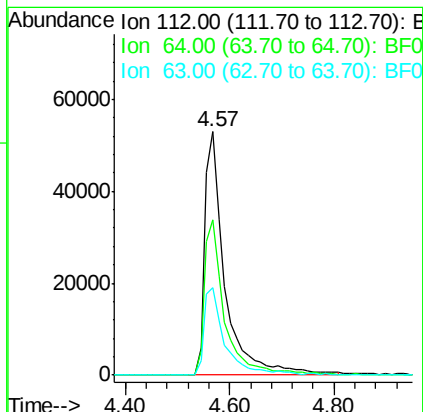
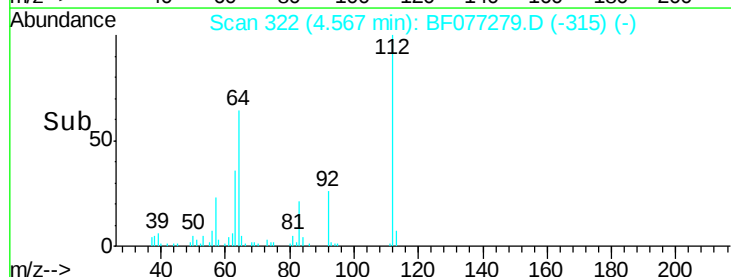
#5

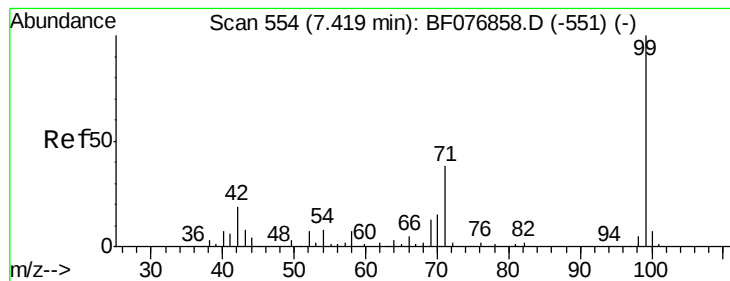
2-Fluorophenol
Concen: 55.50 ng
RT: 4.57 min Scan# 322
Delta R.T. -0.02 min
Lab File: BF077279.D
Acq: 12 Feb 2015 9:35

Tgt Ion:112 Resp: 141086
Ion Ratio Lower Upper
112 100
64 63.8 54.2 81.4
63 36.0 28.4 42.6



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: 57.28 ng

RT: 6.99 min Scan# 534

Delta R.T. -0.02 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

Instrument :

BNA_F

ClientSampleId :

UB10BRE

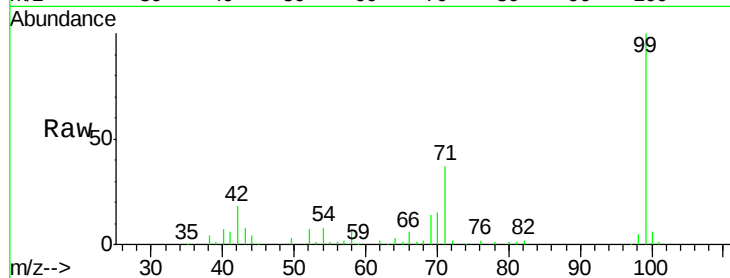
Tgt Ion: 99 Resp: 183696

Ion Ratio Lower Upper

99 100

42 18.0 15.0 22.4

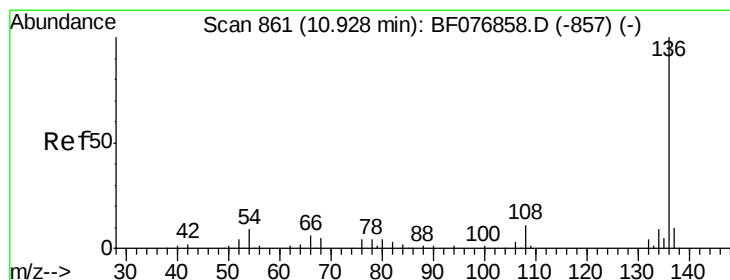
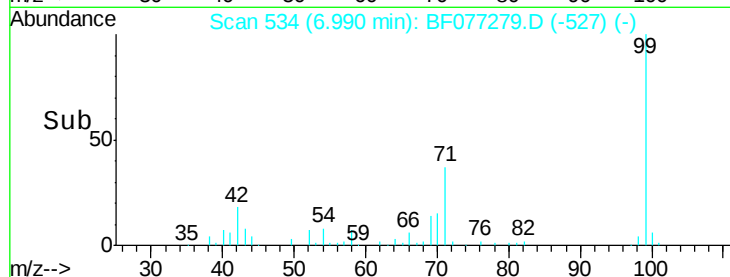
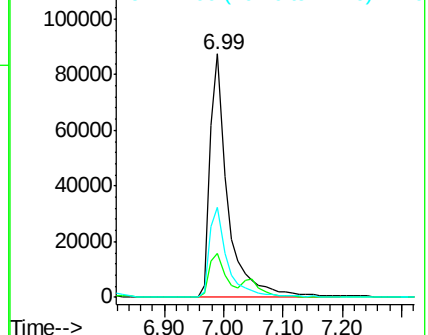
71 36.9 30.5 45.7



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: 10.45 min Scan# 837

Delta R.T. -0.05 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

Tgt Ion: 136 Resp: 171194

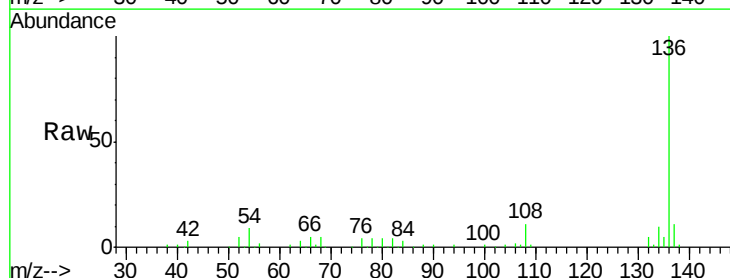
Ion Ratio Lower Upper

136 100

137 10.9 8.1 12.1

54 8.9 7.0 10.4

68 5.0 3.7 5.5

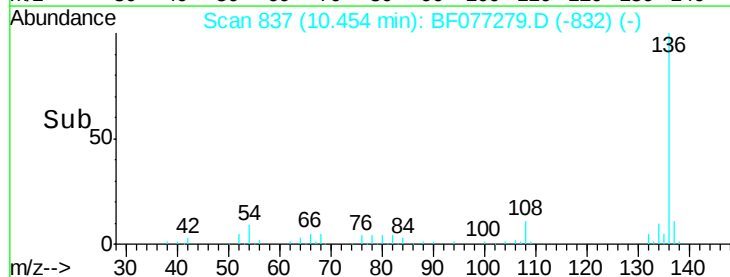
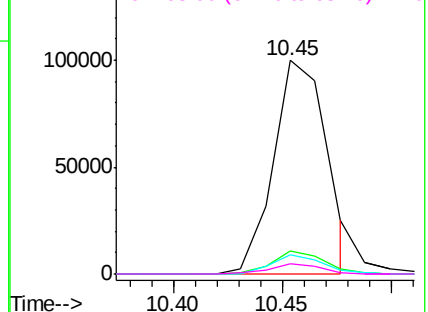


Abundance Ion 136.00 (135.70 to 136.70): E

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

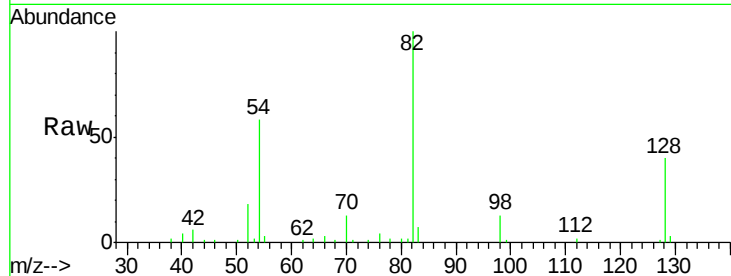




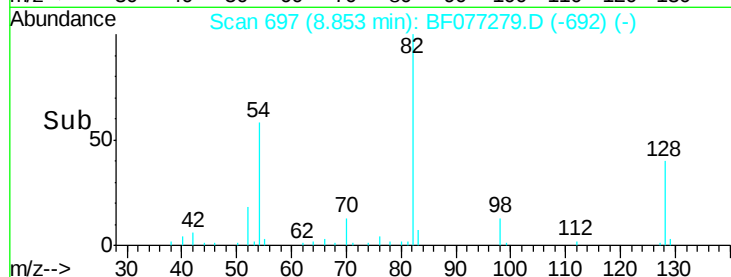
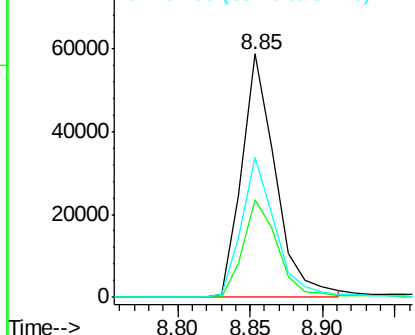
#23
 Nitrobenzene-d5
 Concen: 30.83 ng
 RT: 8.85 min Scan# 697
 Delta R.T. -0.05 min
 Lab File: BF077279.D
 Acq: 12 Feb 2015 9:35

Instrument :
 BNA_F
 ClientSampleId :
 UB10BRE

Tgt Ion: 82 Resp: 95264
 Ion Ratio Lower Upper
 82 100
 128 39.9 33.1 49.7
 54 57.6 48.3 72.5

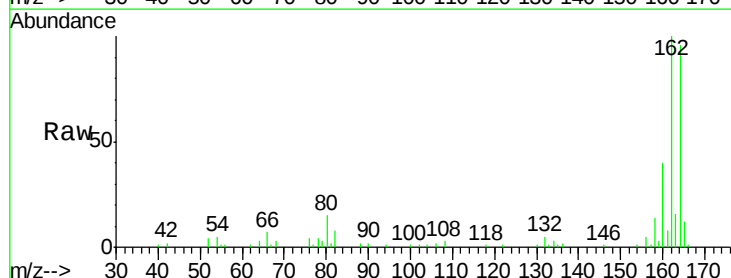


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

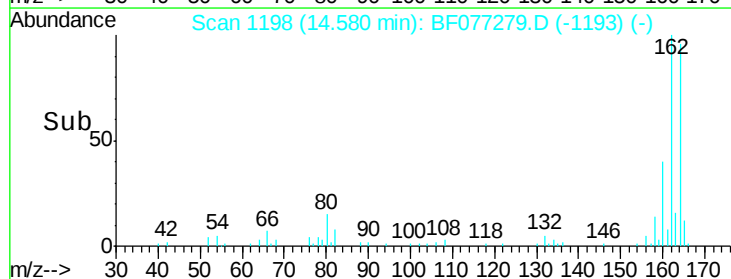
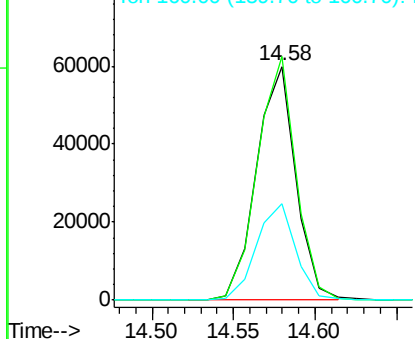


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.58 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BF077279.D
 Acq: 12 Feb 2015 9:35

Tgt Ion: 164 Resp: 100271
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.4 123.6
 160 41.2 34.8 52.2



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

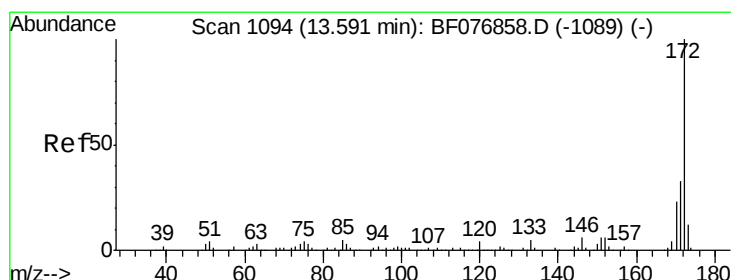
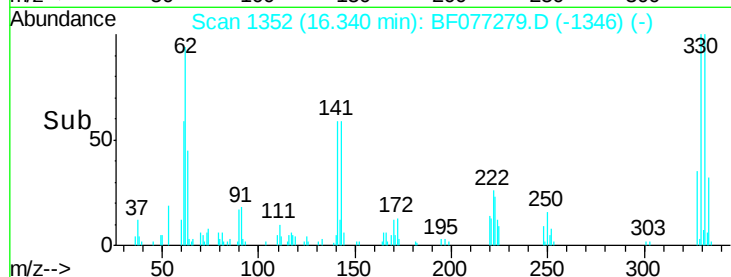
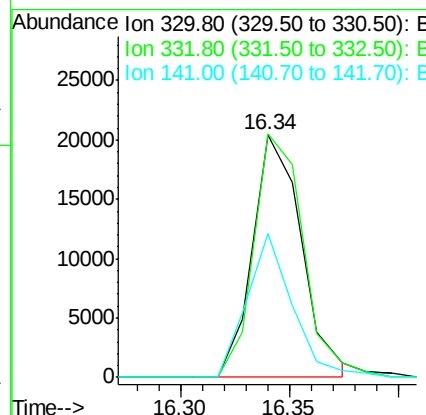
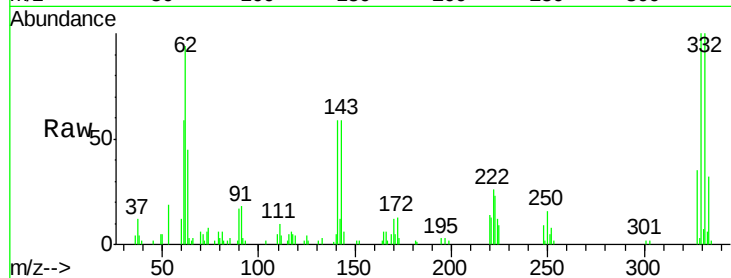




#41
 2,4,6-Tribromophenol
 Concen: 39.44 ng
 RT: 16.34 min Scan# 1352
 Delta R.T. -0.03 min
 Lab File: BF077279.D
 Acq: 12 Feb 2015 9:35

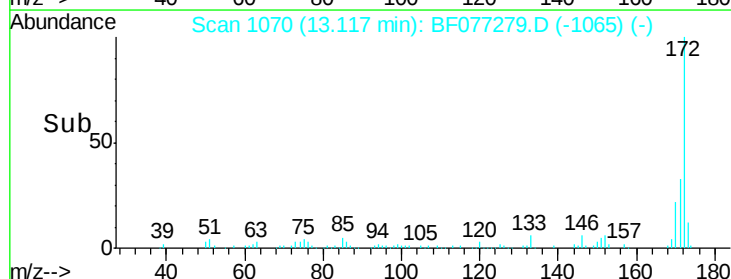
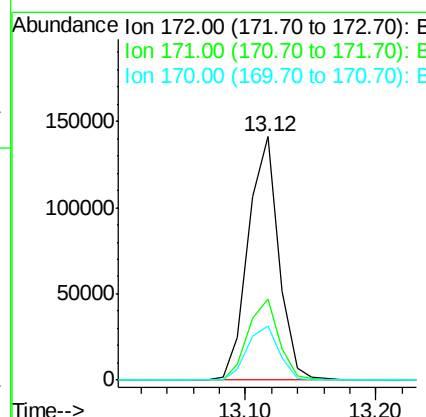
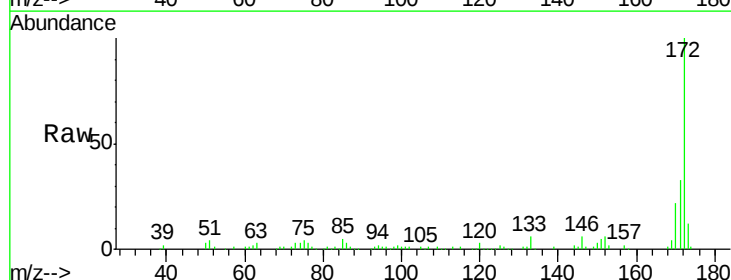
Instrument :
 BNA_F
 ClientSampleId :
 UB10BRE

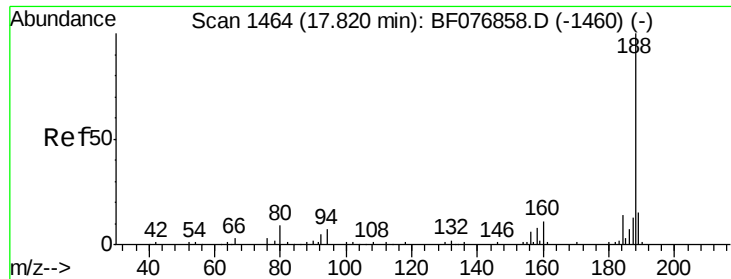
Tgt Ion:330 Resp: 32103
 Ion Ratio Lower Upper
 330 100
 332 100.7 77.8 116.6
 141 54.4 38.5 57.7



#44
 2-Fluorobiphenyl
 Concen: 34.80 ng
 RT: 13.12 min Scan# 1070
 Delta R.T. -0.05 min
 Lab File: BF077279.D
 Acq: 12 Feb 2015 9:35

Tgt Ion:172 Resp: 229323
 Ion Ratio Lower Upper
 172 100
 171 33.1 26.6 40.0
 170 22.4 18.0 27.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.47 min Scan# 1451

Delta R.T. -0.03 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

Instrument :

BNA_F

ClientSampleId :

UB10BRE

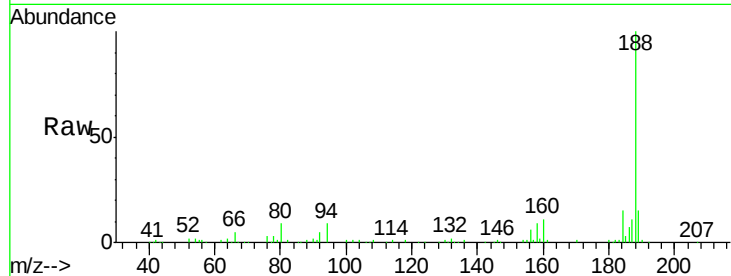
Tgt Ion:188 Resp: 160991

Ion Ratio Lower Upper

188 100

94 8.6 6.0 9.0

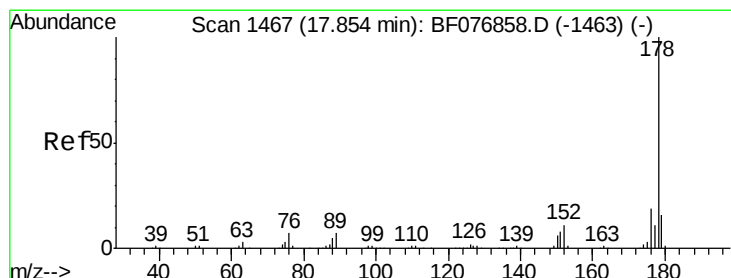
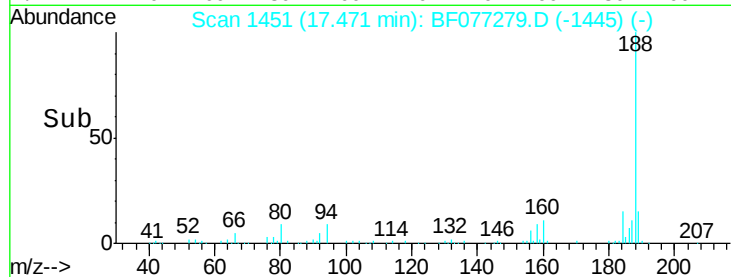
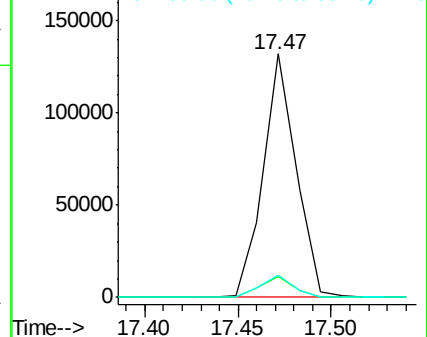
80 9.0 6.9 10.3



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: 6.43 ng

RT: 17.51 min Scan# 1454

Delta R.T. -0.03 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

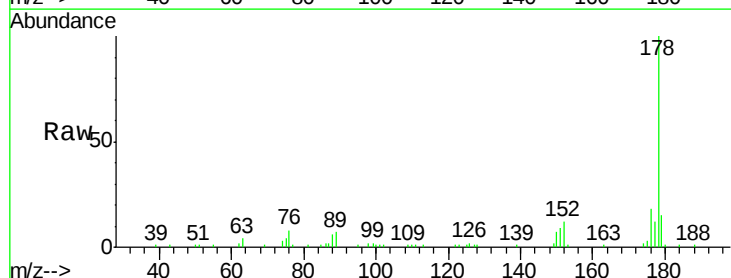
Tgt Ion:178 Resp: 64547

Ion Ratio Lower Upper

178 100

176 17.7 15.1 22.7

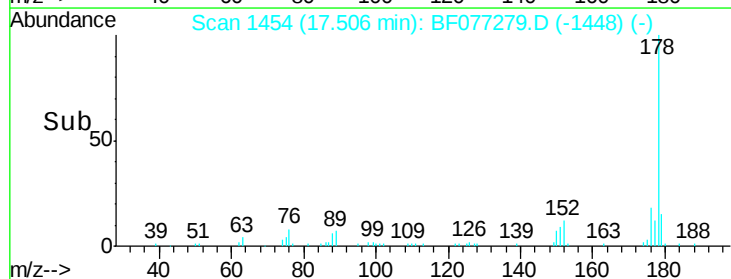
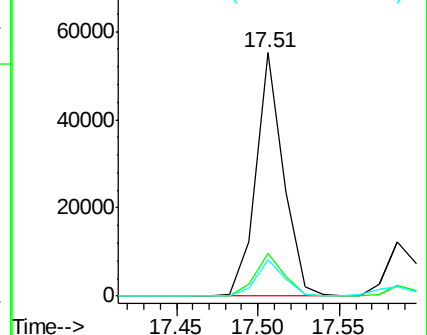
179 15.1 12.7 19.1

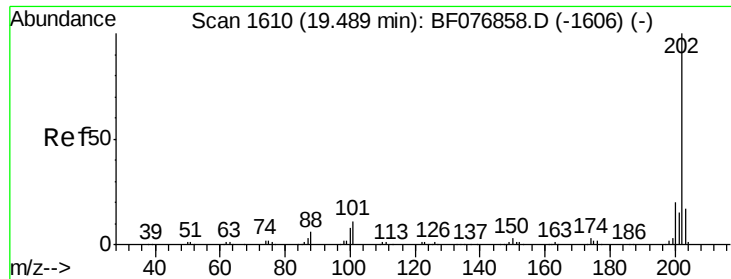


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

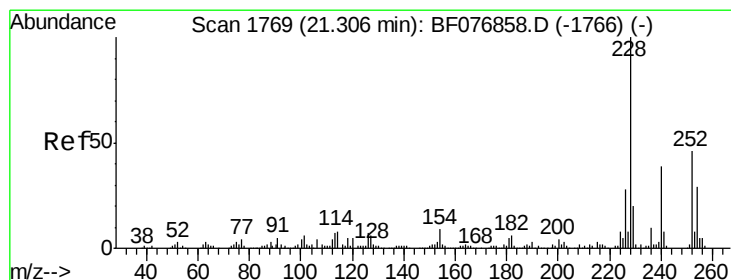
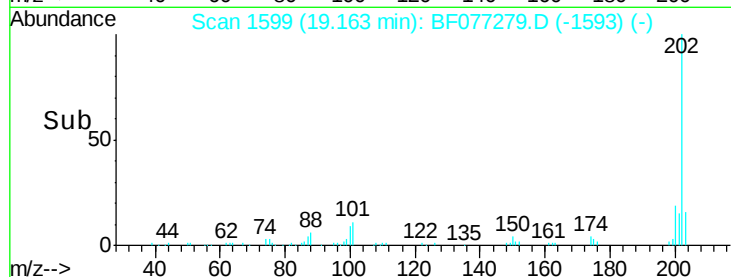
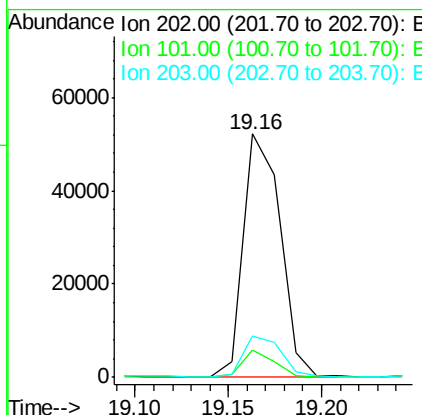
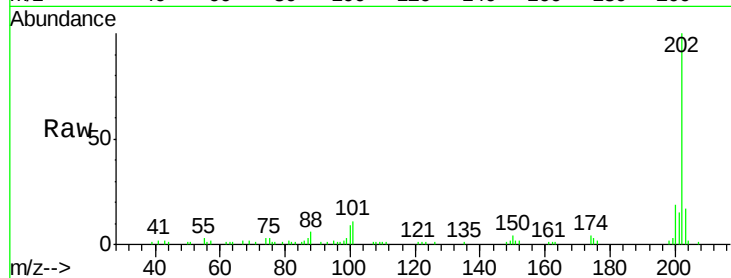




#74
 Fluoranthene
 Concen: 7.02 ng
 RT: 19.16 min Scan# 1599
 Delta R.T. -0.03 min
 Lab File: BF077279.D
 Acq: 12 Feb 2015 9:35

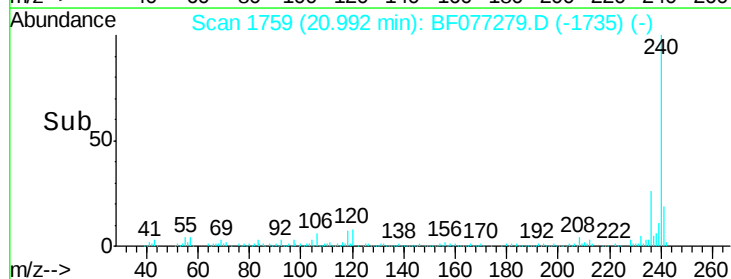
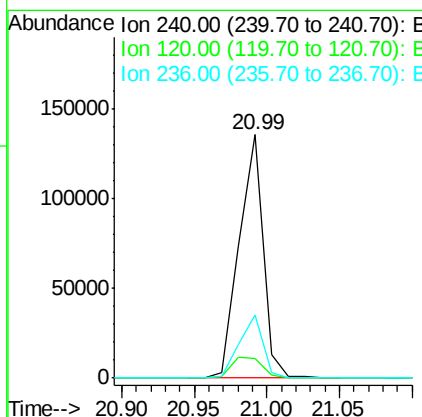
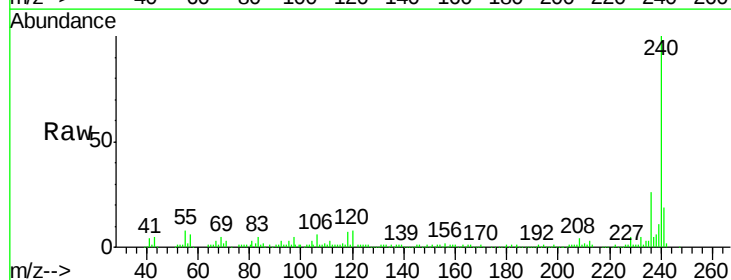
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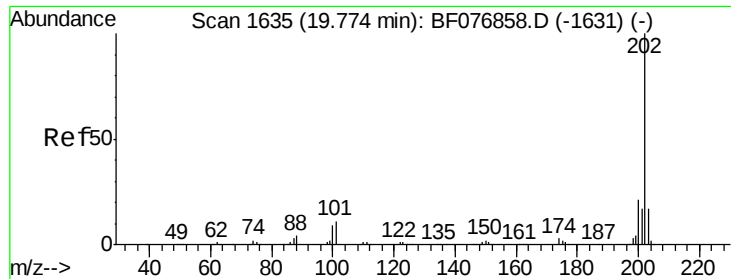
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.7
203	16.9	0.0	36.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 20.99 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BF077279.D
 Acq: 12 Feb 2015 9:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.0	10.4	15.6#
236	25.8	20.2	30.2





#77

Pyrene

Concen: 5.76 ng

RT: 19.45 min Scan# 1624

Delta R.T. -0.02 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

Instrument :

BNA_F

ClientSampleId :

UB10BRE

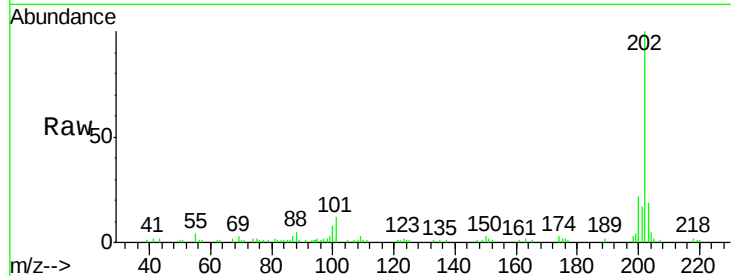
Tgt Ion:202 Resp: 61624

Ion Ratio Lower Upper

202 100

200 21.7 16.7 25.1

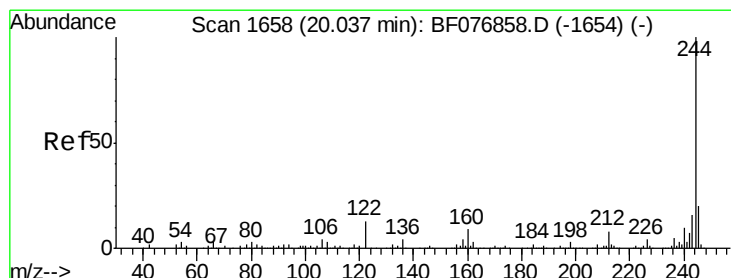
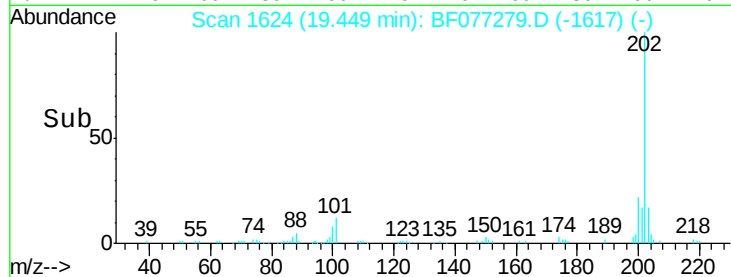
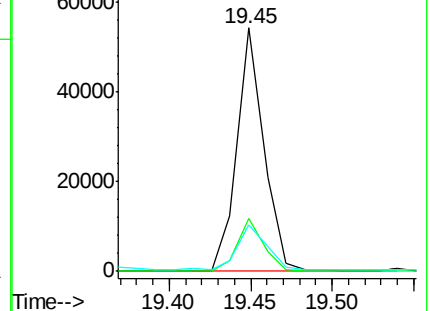
203 19.2 14.0 21.0



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: 34.35 ng

RT: 19.72 min Scan# 1648

Delta R.T. -0.03 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

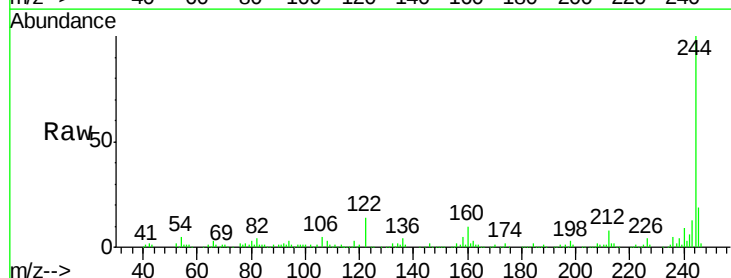
Tgt Ion:244 Resp: 232716

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

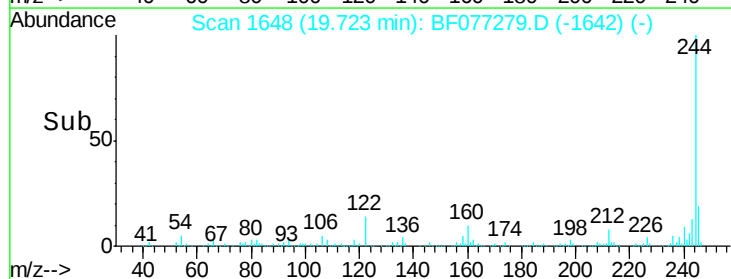
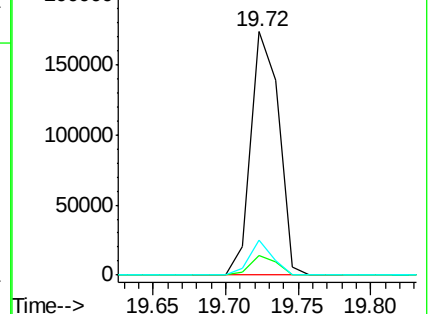
122 14.5 10.1 15.1

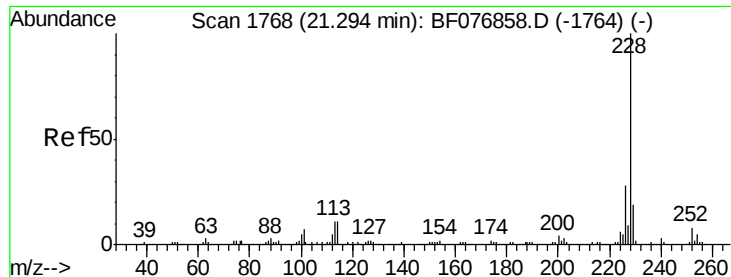


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.85 ng

RT: 20.98 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

Instrument :

BNA_F

ClientSampleId :

UB10BRE

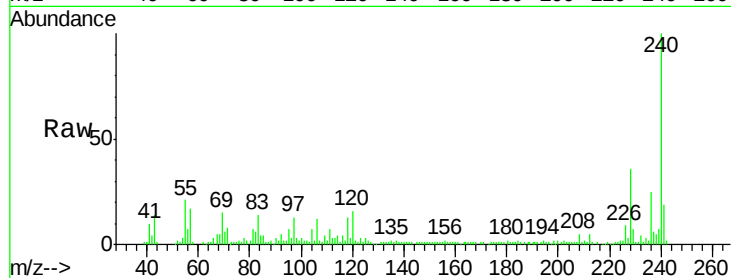
Tgt Ion:228 Resp: 37634

Ion Ratio Lower Upper

228 100

226 26.4 22.1 33.1

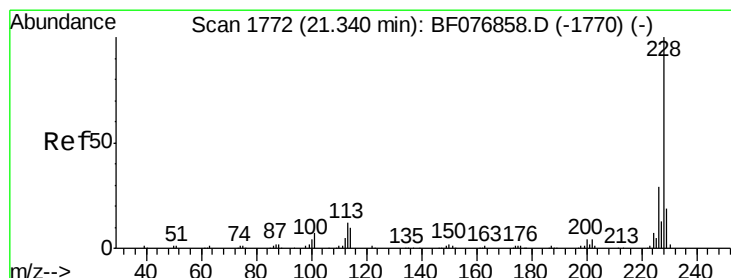
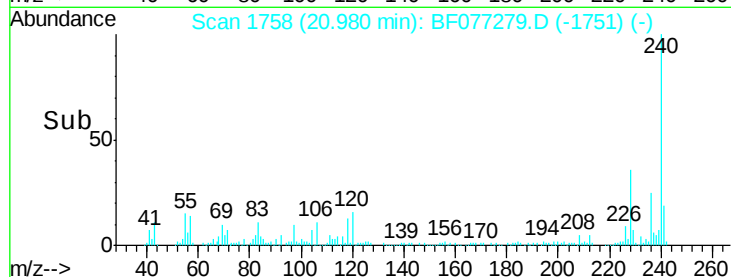
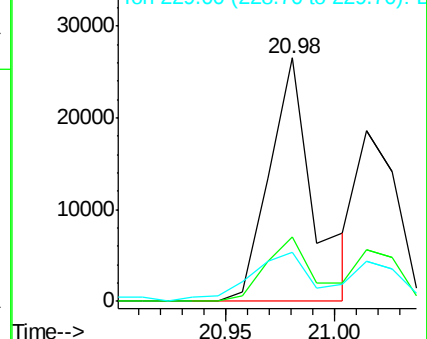
229 20.0 15.5 23.3



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: 4.22 ng

RT: 20.98 min Scan# 1758

Delta R.T. -0.07 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

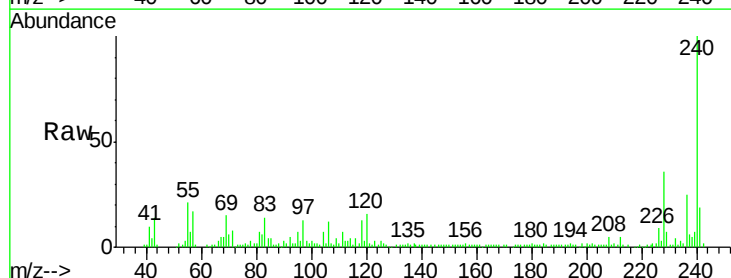
Tgt Ion:228 Resp: 37632

Ion Ratio Lower Upper

228 100

226 26.4 23.4 35.0

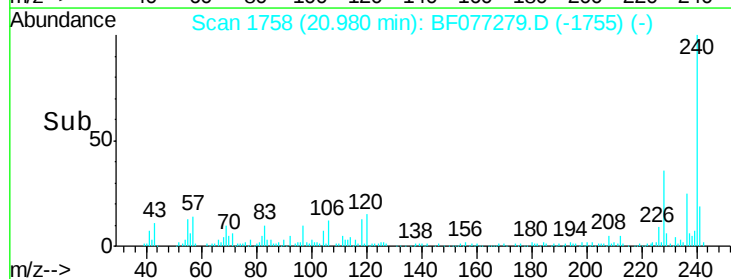
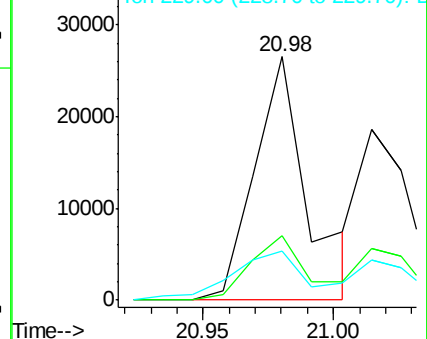
229 20.0 15.4 23.0

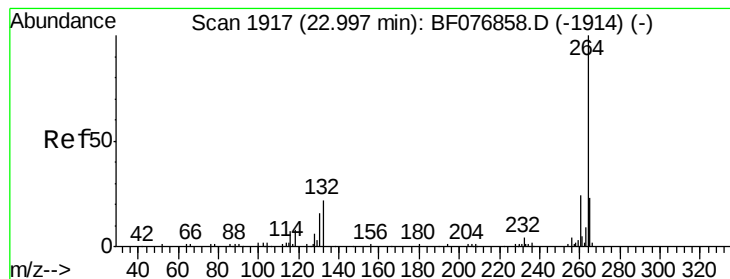


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 22.63 min Scan# 1902

Delta R.T. -0.03 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

Instrument :

BNA_F

ClientSampleId :

UB10BRE

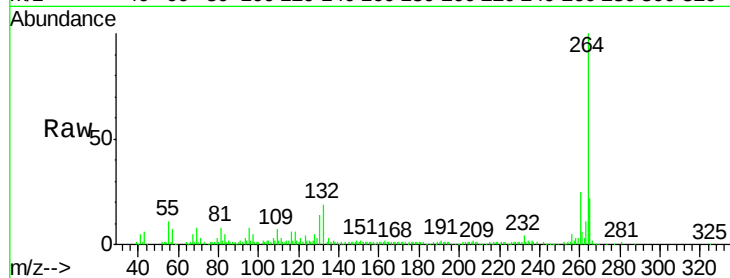
Tgt Ion:264 Resp: 142779

Ion Ratio Lower Upper

264 100

260 25.3 19.0 28.4

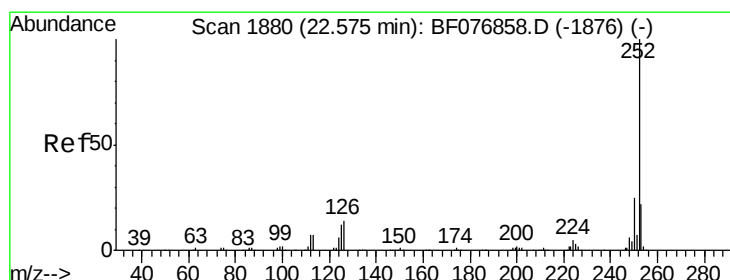
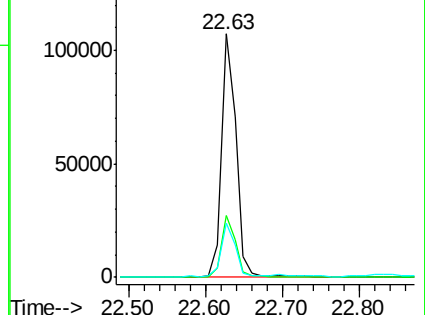
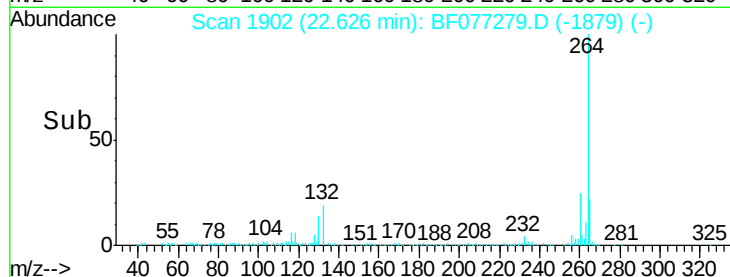
265 22.3 18.1 27.1



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: 4.71 ng

RT: 22.23 min Scan# 1867

Delta R.T. -0.02 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

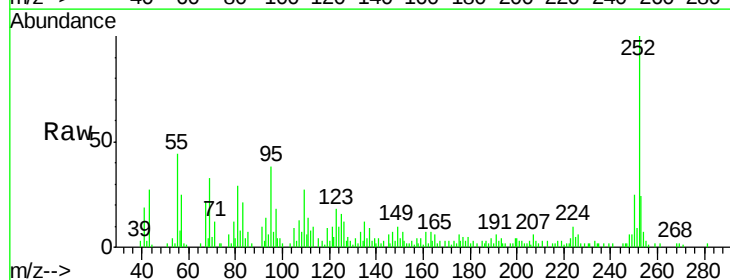
Tgt Ion:252 Resp: 45336

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

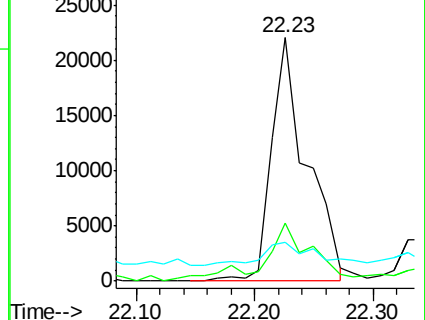
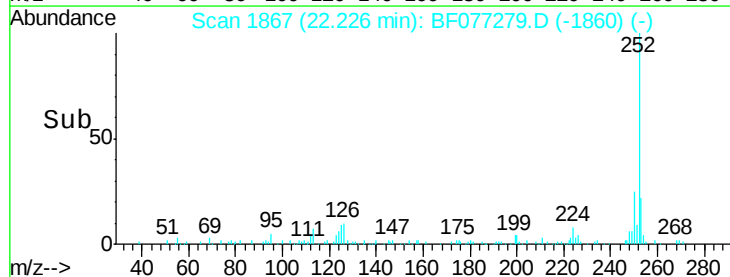
125 16.1 9.4 14.0#

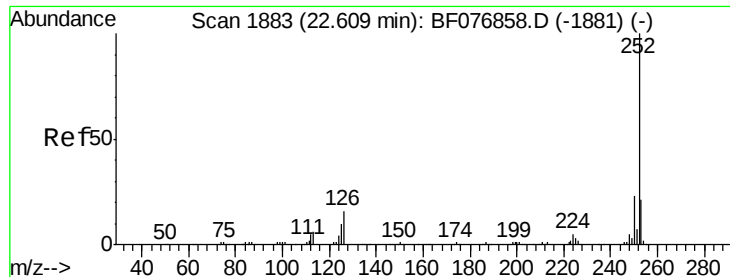


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 5.40 ng

RT: 22.23 min Scan# 1867

Delta R.T. -0.02 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

Instrument :

BNA_F

ClientSampleId :

UB10BRE

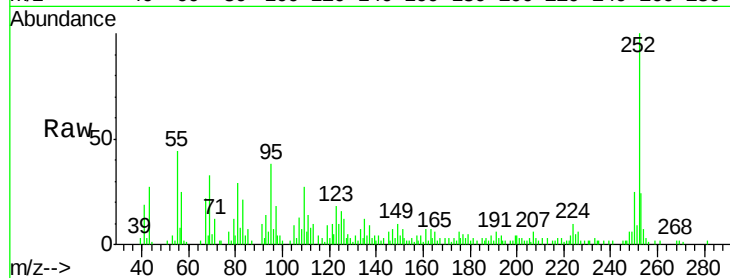
Tgt Ion:252 Resp: 45336

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

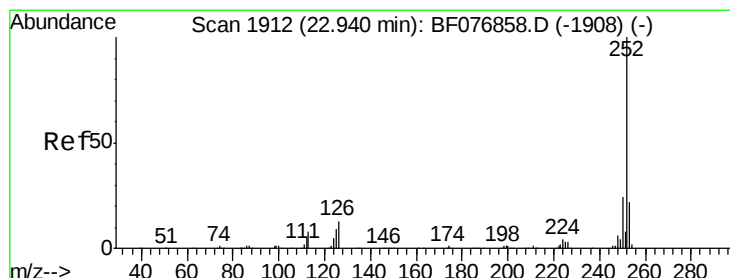
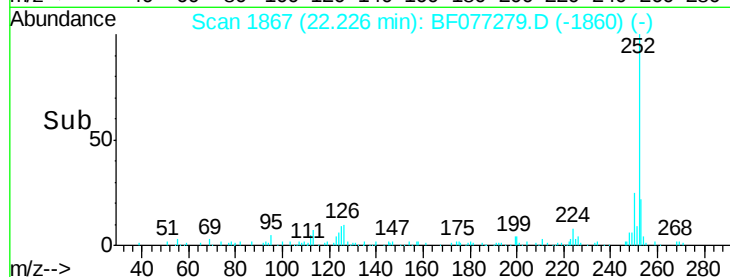
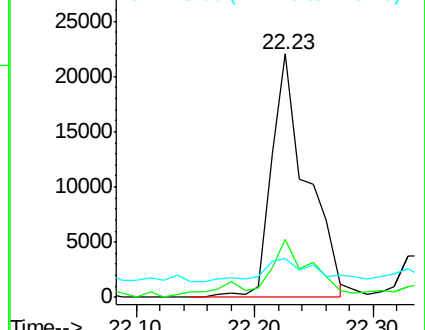
125 16.1 7.1 10.7#



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: 2.75 ng

RT: 22.57 min Scan# 1897

Delta R.T. -0.02 min

Lab File: BF077279.D

Acq: 12 Feb 2015 9:35

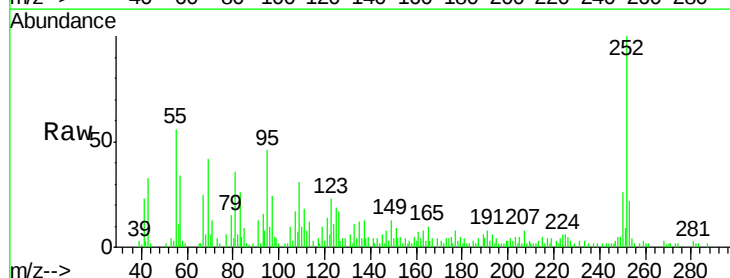
Tgt Ion:252 Resp: 23326

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 18.5 7.2 10.8#



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

