

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042915\
 Data File : BF078841.D
 Acq On : 30 Apr 2015 6:36
 Operator : TP/IZ
 Sample : G2021-03
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-17-0-2

Quant Time: Apr 30 07:21:47 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 01:56:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	77227	20.00	ng	0.00
21) Naphthalene-d8	8.96	136	324624	20.00	ng	0.00
38) Acenaphthene-d10	11.14	164	153806	20.00	ng	0.00
63) Phenanthrene-d10	12.98	188	308229	20.00	ng	0.00
75) Chrysene-d12	16.29	240	326517	20.00	ng	0.00
86) Perylene-d12	18.05	264	348414	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	617115	146.77	ng	0.01
7) Phenol-d6	6.92	99	779960	138.89	ng	0.00
23) Nitrobenzene-d5	8.07	82	447487	99.25	ng	0.00
41) 2,4,6-Tribromophenol	12.12	330	235082	152.77	ng	0.00
44) 2-Fluorobiphenyl	10.31	172	980232	87.28	ng	0.00
78) Terphenyl-d14	14.98	244	1077744	78.61	ng	0.00

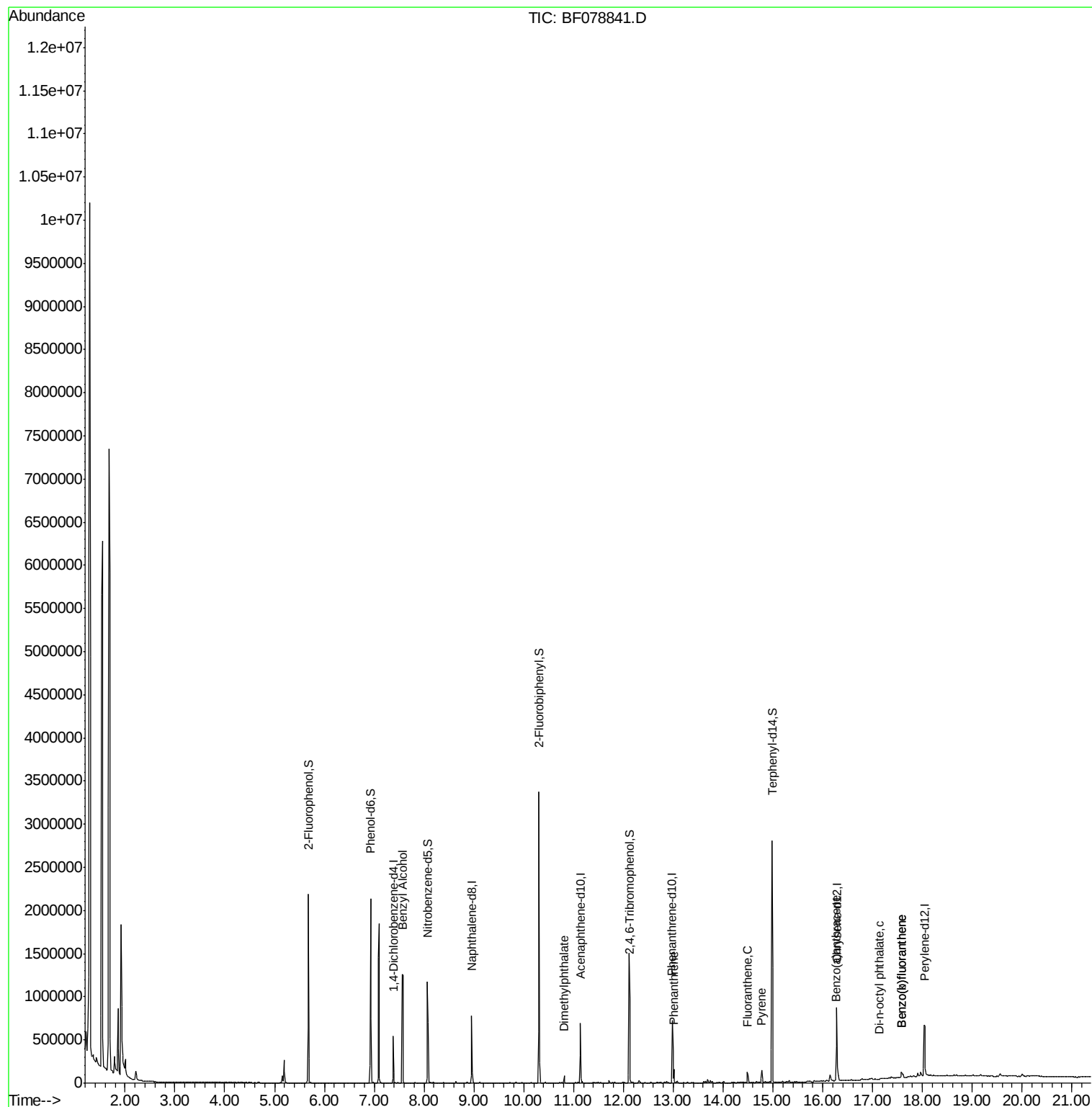
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.56	79	8574	2.05	ng	# 56
49) Dimethylphthalate	10.81	163	33129	3.03	ng	99
70) Phenanthrene	13.02	178	61265	3.67	ng	98
74) Fluoranthene	14.49	202	70790	4.25	ng	97
77) Pyrene	14.78	202	61439	3.22	ng	97
80) Benzo(a)anthracene	16.27	228	38084	2.17	ng	98
84) Di-n-octyl phthalate	17.14	149	2355	7.05	ng	# 100
87) Benzo(b)fluoranthene	17.58	252	54025	2.86	ng	95
88) Benzo(k)fluoranthene	17.58	252	54687	2.99	ng	96

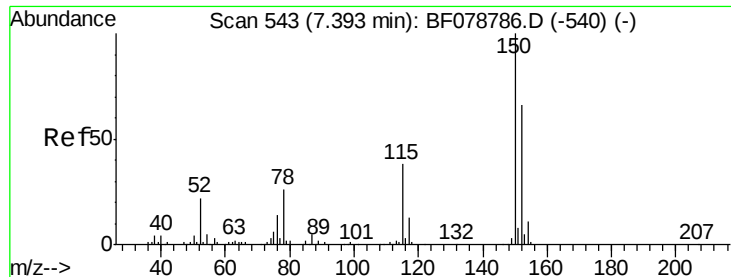
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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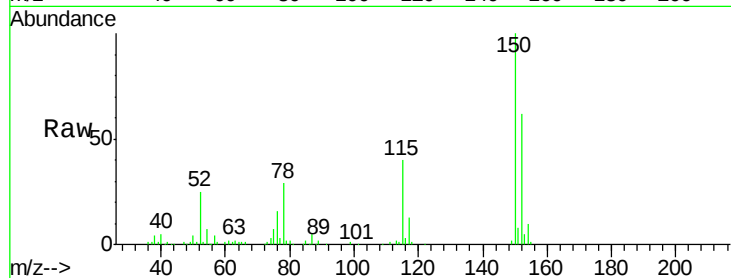


#1

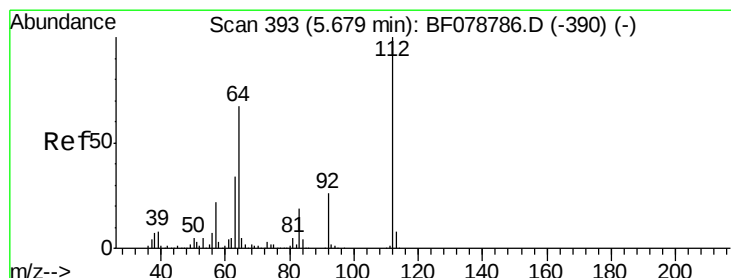
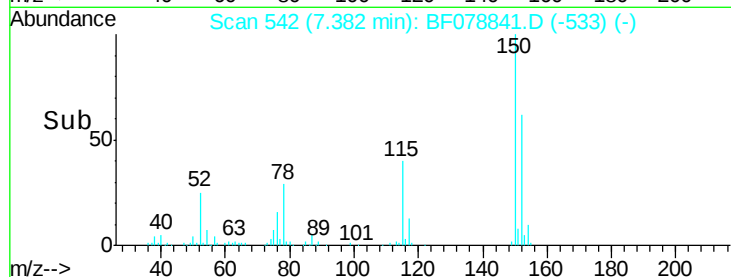
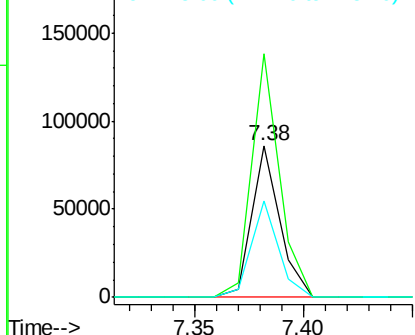
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF078841.D
Acq: 30 Apr 2015 6:36

Instrument :
BNA_F
ClientSampleId :
PS-17-0-2

Tgt Ion:152 Resp: 77227
Ion Ratio Lower Upper
152 100
150 160.2 122.0 183.0
115 63.4 46.3 69.5



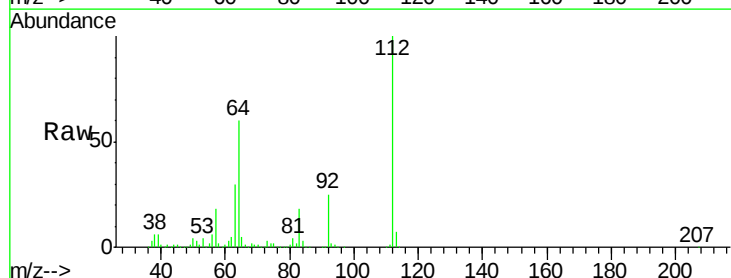
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



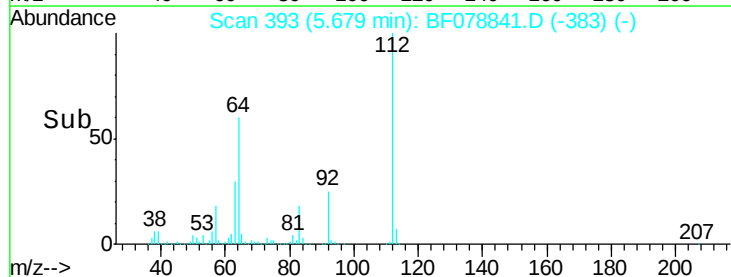
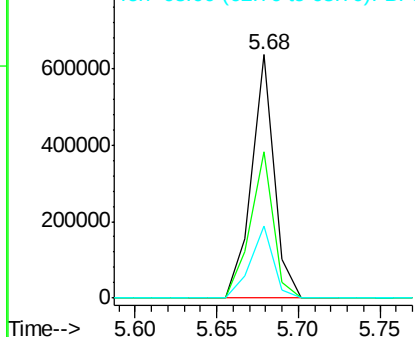
#5

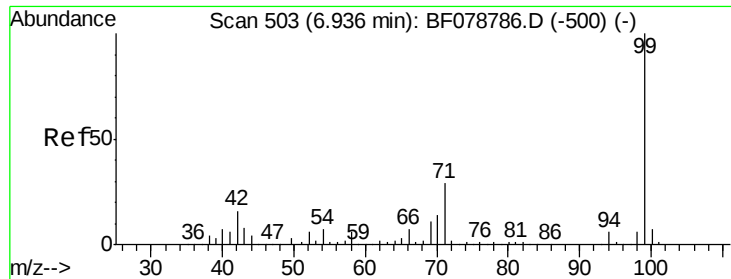
2-Fluorophenol
Concen: 146.77 ng
RT: 5.68 min Scan# 393
Delta R.T. 0.01 min
Lab File: BF078841.D
Acq: 30 Apr 2015 6:36

Tgt Ion:112 Resp: 617115
Ion Ratio Lower Upper
112 100
64 60.1 53.5 80.3
63 29.7 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.89 ng

RT: 6.92 min Scan# 502

Delta R.T. -0.00 min

Lab File: BF078841.D

Acq: 30 Apr 2015 6:36

Instrument :

BNA_F

ClientSampleId :

PS-17-0-2

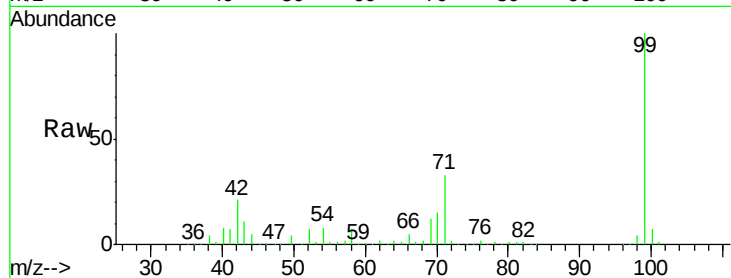
Tgt Ion: 99 Resp: 779960

Ion Ratio Lower Upper

99 100

42 20.8 12.8 19.2#

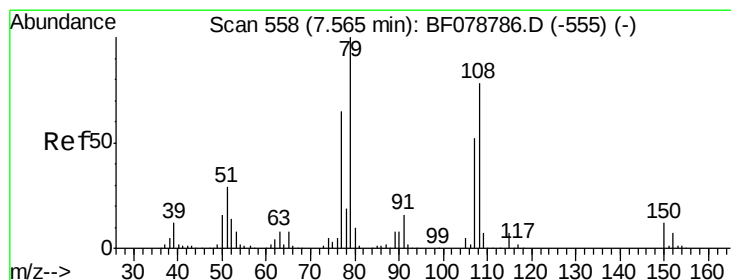
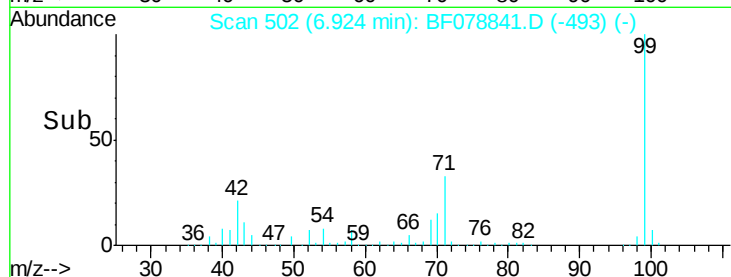
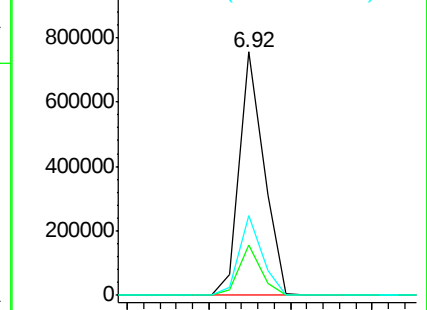
71 32.9 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 7.56 min Scan# 558

Delta R.T. 0.01 min

Lab File: BF078841.D

Acq: 30 Apr 2015 6:36

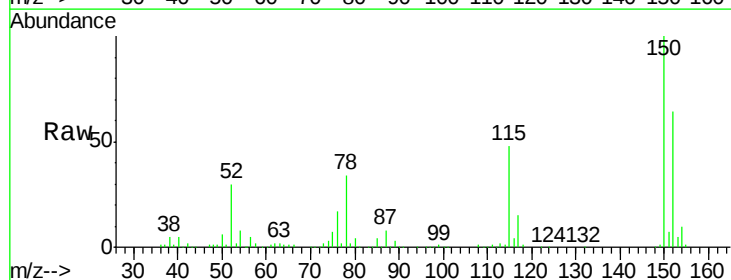
Tgt Ion: 79 Resp: 8574

Ion Ratio Lower Upper

79 100

108 28.2 62.5 93.7#

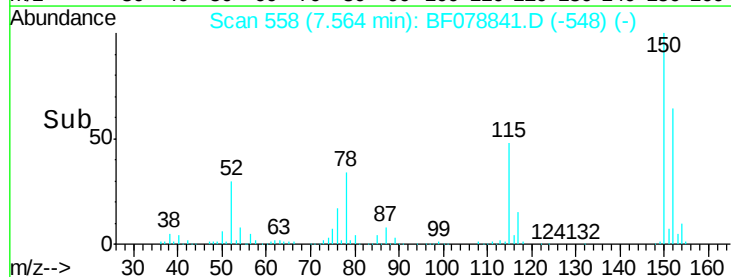
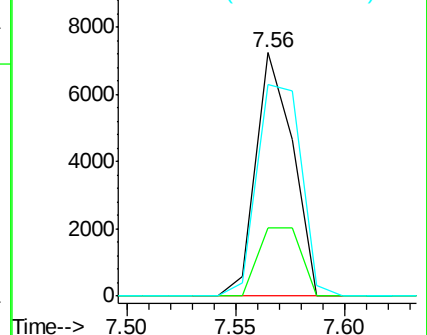
77 86.9 52.2 78.4#

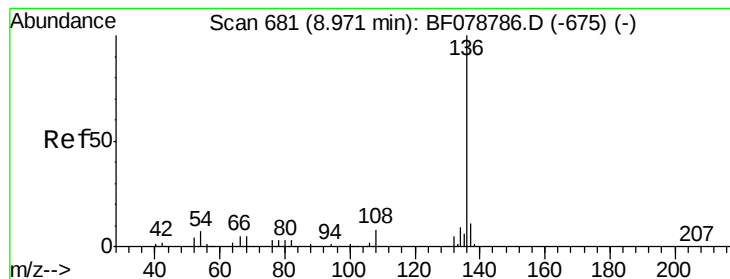


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.96 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF078841.D

Acq: 30 Apr 2015 6:36

Instrument :

BNA_F

ClientSampled :

PS-17-0-2

Tgt Ion: 136 Resp: 324624

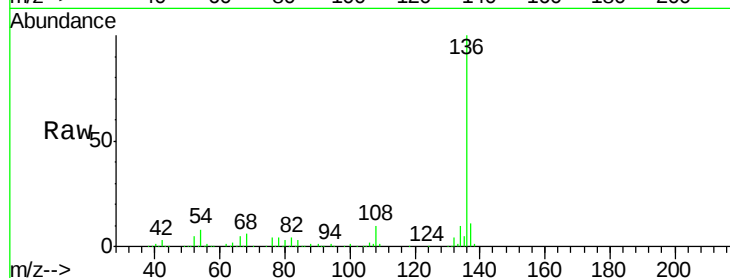
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 8.4 5.8 8.8

68 6.4 4.2 6.4#

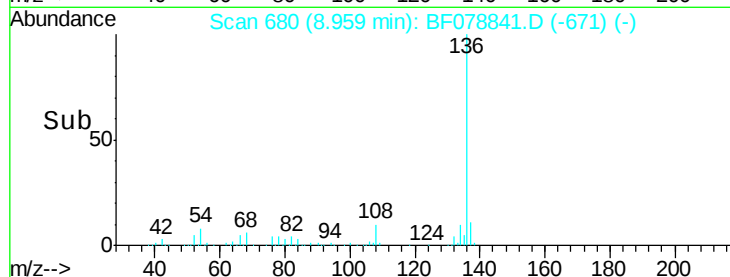


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

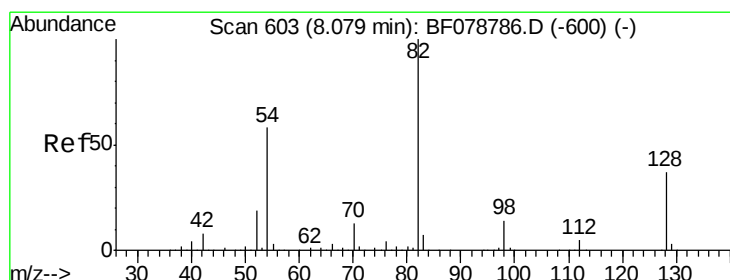
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.96



#23

Nitrobenzene-d5

Concen: 99.25 ng

RT: 8.07 min Scan# 602

Delta R.T. -0.00 min

Lab File: BF078841.D

Acq: 30 Apr 2015 6:36

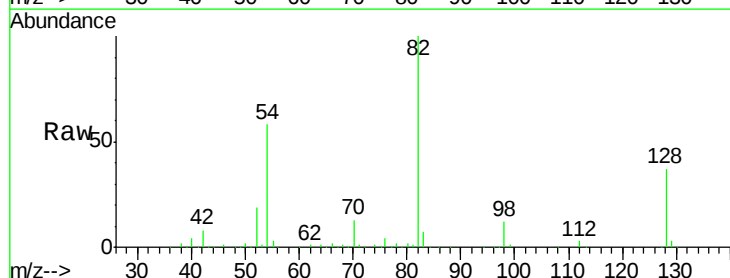
Tgt Ion: 82 Resp: 447487

Ion Ratio Lower Upper

82 100

128 36.9 30.0 45.0

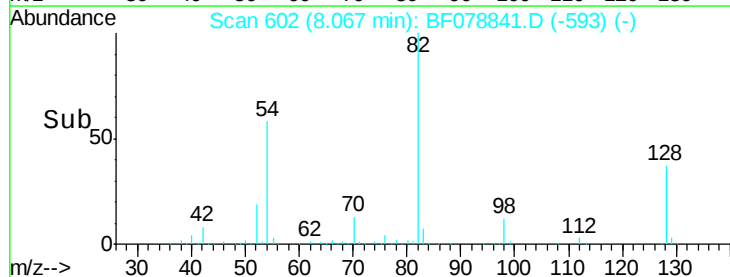
54 58.1 46.4 69.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

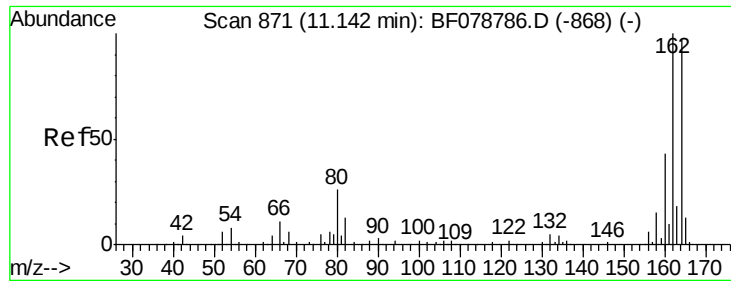
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

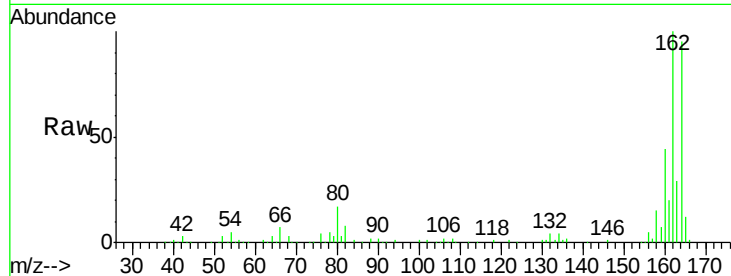
8.07



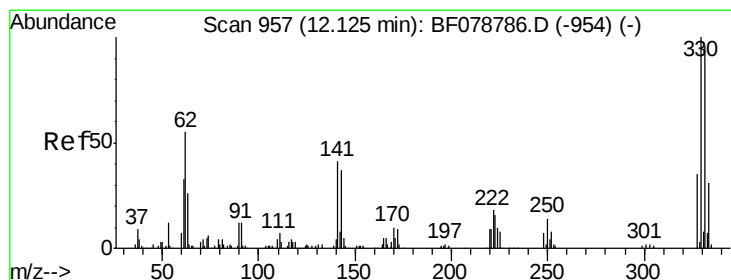
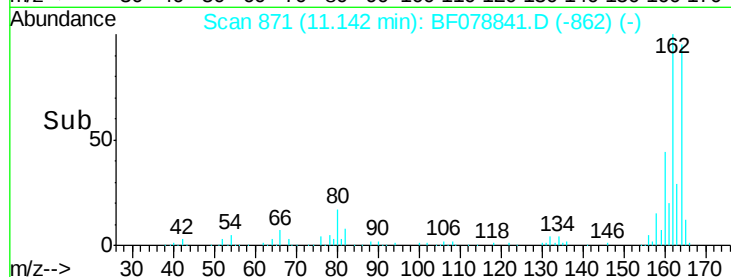
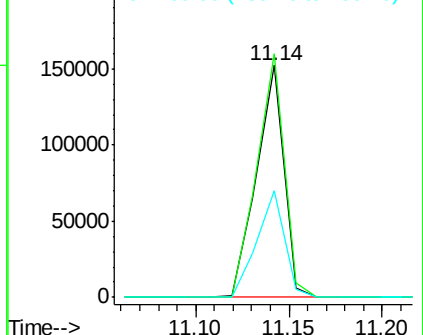
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: BF078841.D
 Acq: 30 Apr 2015 6:36

Instrument :
 BNA_F
 ClientSampleId :
 PS-17-0-2

Tgt Ion:164 Resp: 153806
 Ion Ratio Lower Upper
 164 100
 162 105.0 82.7 124.1
 160 46.0 35.8 53.8

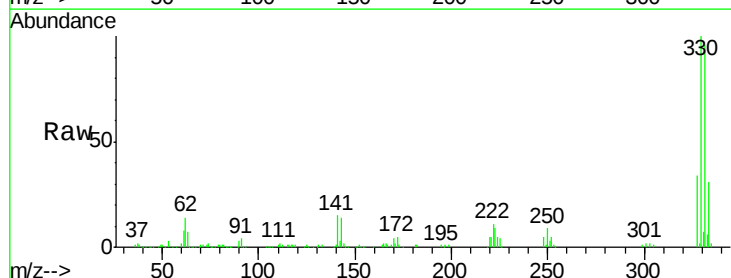


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

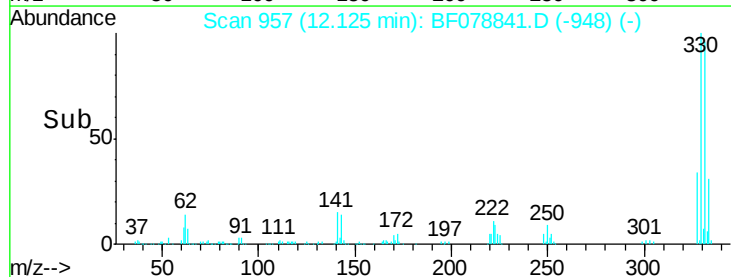
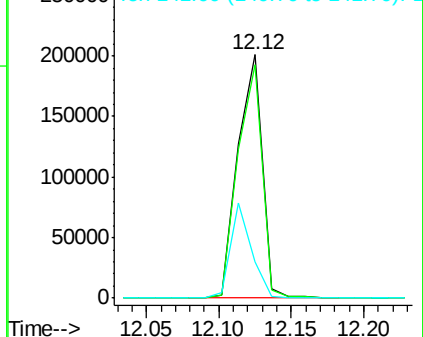


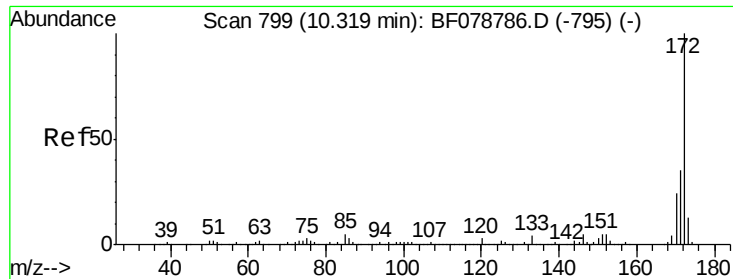
#41
 2,4,6-Tribromophenol
 Concen: 152.77 ng
 RT: 12.12 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: BF078841.D
 Acq: 30 Apr 2015 6:36

Tgt Ion:330 Resp: 235082
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 34.1 0.0 0.0#



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

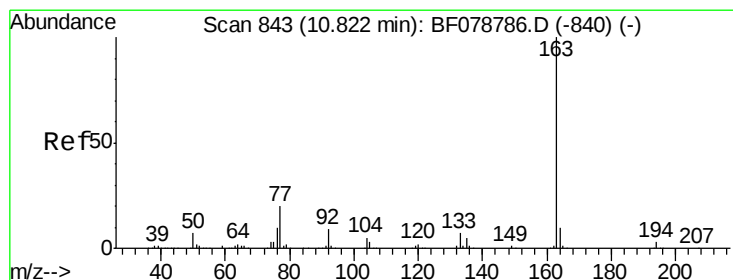
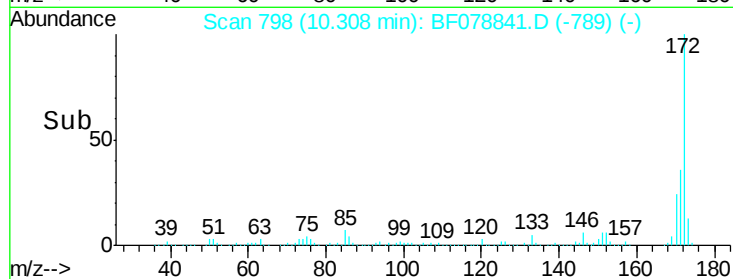
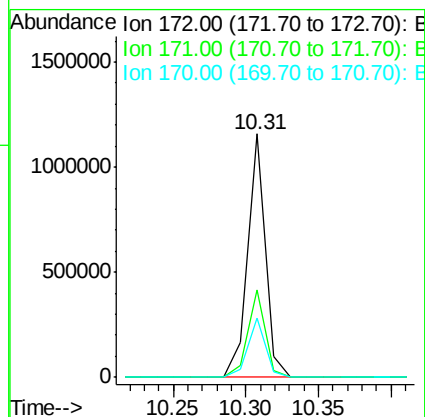
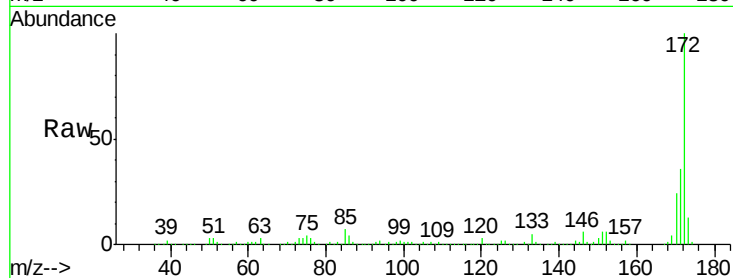




#44
 2-Fluorobiphenyl
 Concen: 87.28 ng
 RT: 10.31 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: BF078841.D
 Acq: 30 Apr 2015 6:36

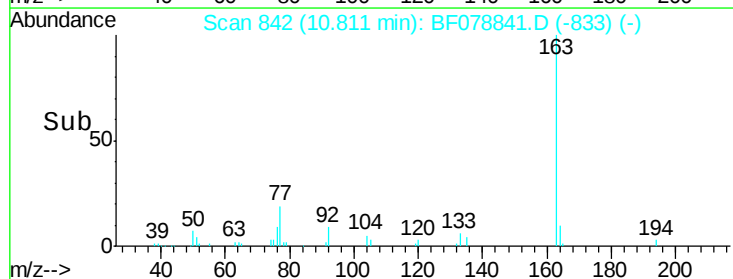
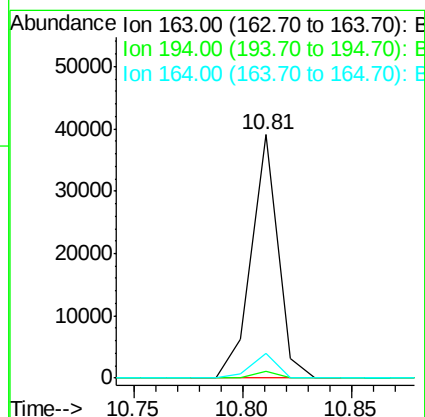
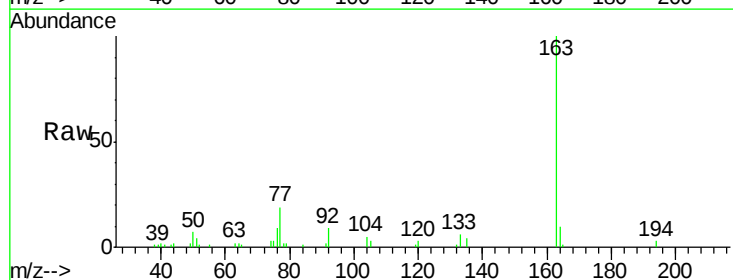
Instrument :
 BNA_F
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 PS-17-0-2

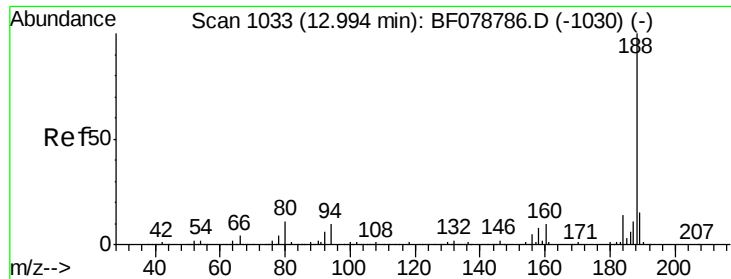
Tgt Ion:172 Resp: 980232
 Ion Ratio Lower Upper
 172 100
 171 35.8 27.9 41.9
 170 24.4 19.4 29.0



#49
 Dimethylphthalate
 Concen: 3.03 ng
 RT: 10.81 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: BF078841.D
 Acq: 30 Apr 2015 6:36

Tgt Ion:163 Resp: 33129
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.6 4.0
 164 10.4 8.1 12.1

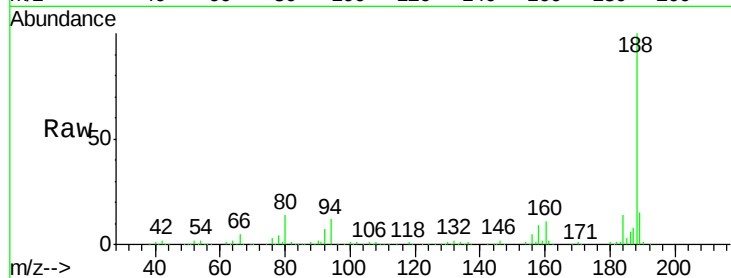




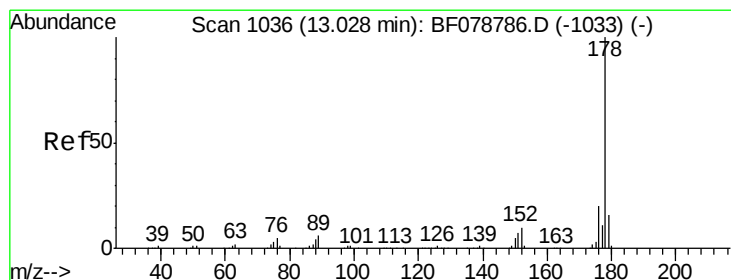
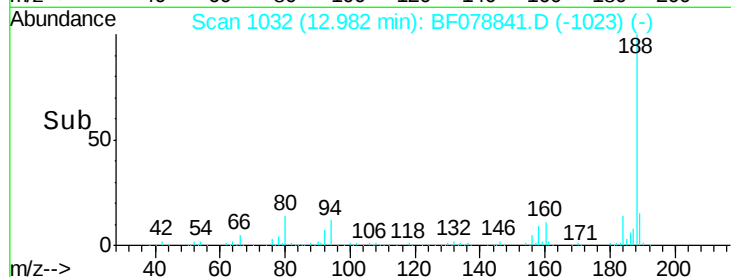
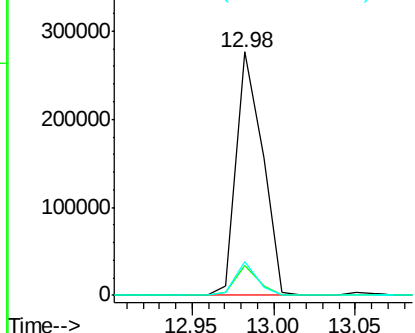
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.98 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF078841.D
 Acq: 30 Apr 2015 6:36

Instrument :
 BNA_F
 ClientSampleId :
 PS-17-0-2

Tgt Ion:188 Resp: 308229
 Ion Ratio Lower Upper
 188 100
 94 12.2 8.2 12.2#
 80 13.8 8.9 13.3#

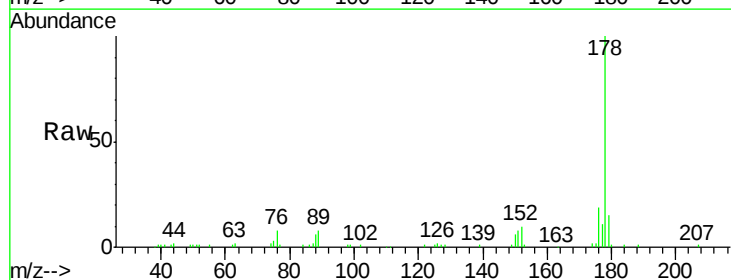


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

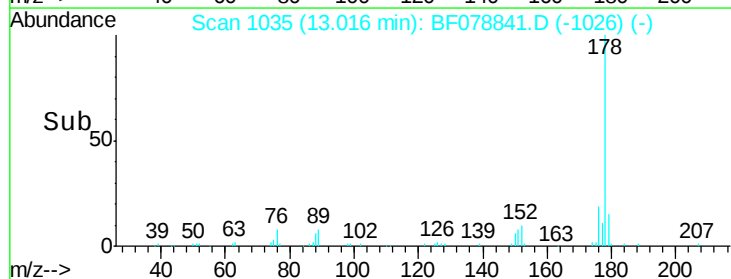
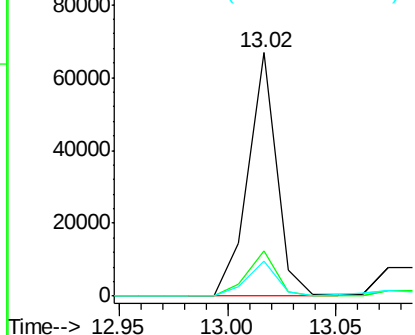


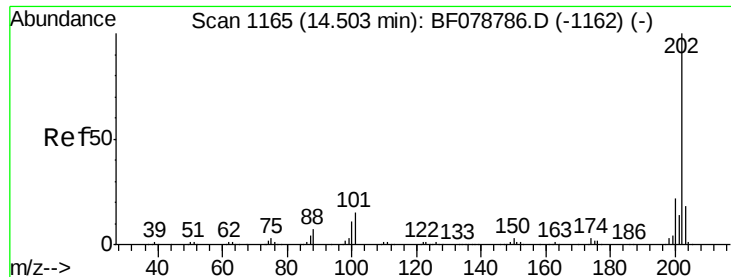
#70
 Phenanthrene
 Concen: 3.67 ng
 RT: 13.02 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BF078841.D
 Acq: 30 Apr 2015 6:36

Tgt Ion:178 Resp: 61265
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 14.6 12.5 18.7



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

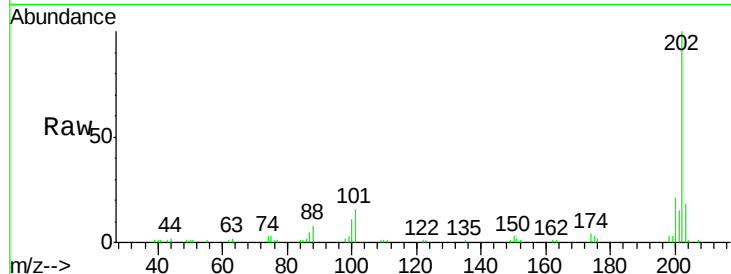




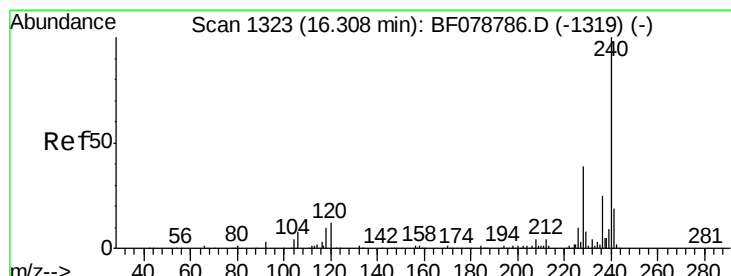
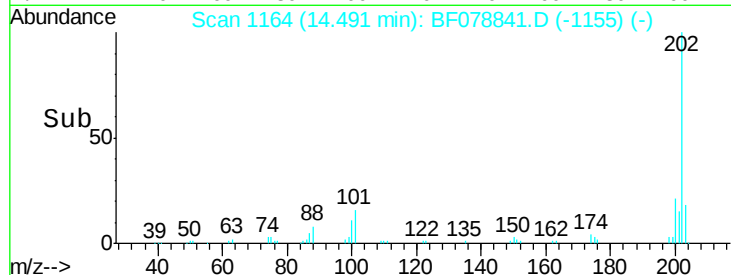
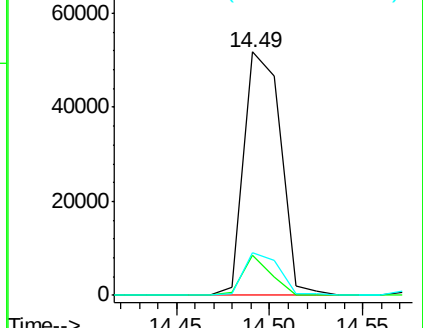
#74
 Fluoranthene
 Concen: 4.25 ng
 RT: 14.49 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: BF078841.D
 Acq: 30 Apr 2015 6:36

Instrument :
 BNA_F
 ClientSampleId :
 PS-17-0-2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.2	0.0	34.6
203	17.5	0.0	38.4

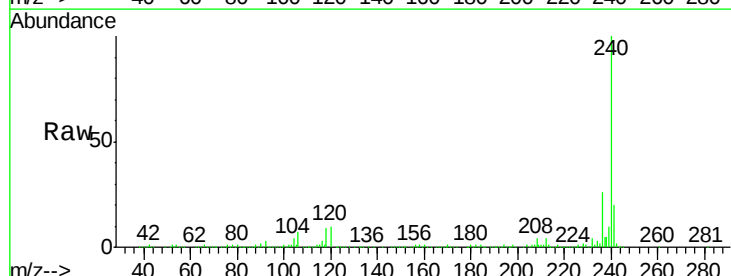


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

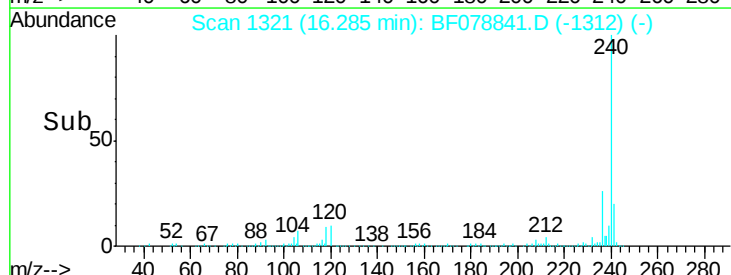
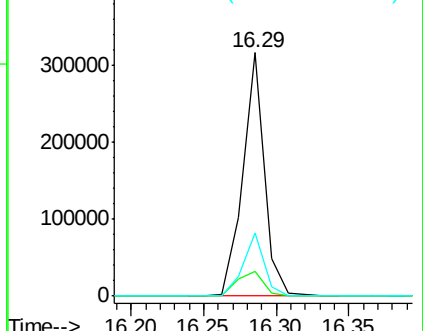


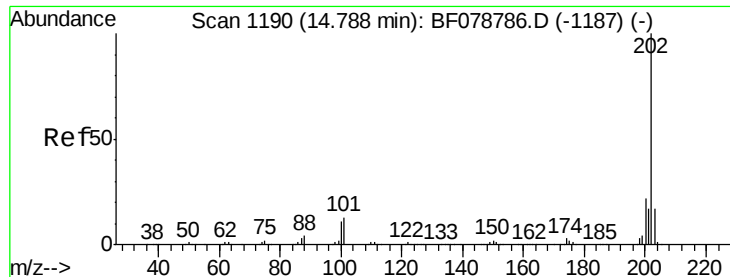
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.29 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: BF078841.D
 Acq: 30 Apr 2015 6:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.7	14.5
236	26.1	20.2	30.4



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

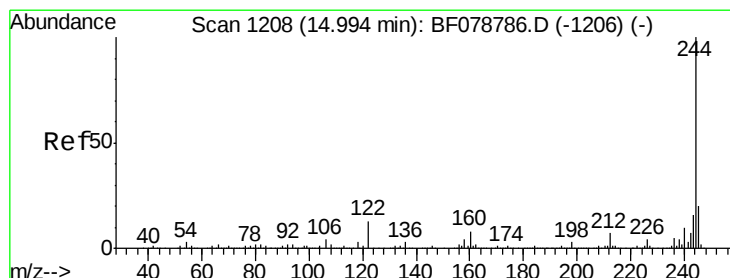
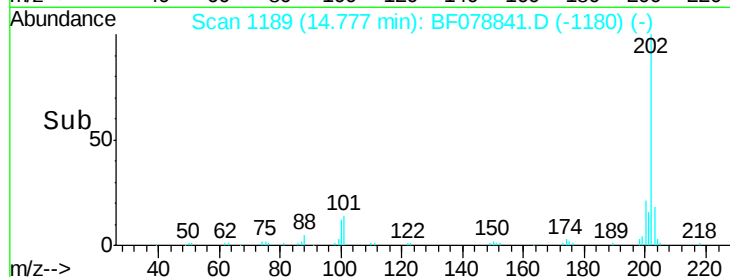
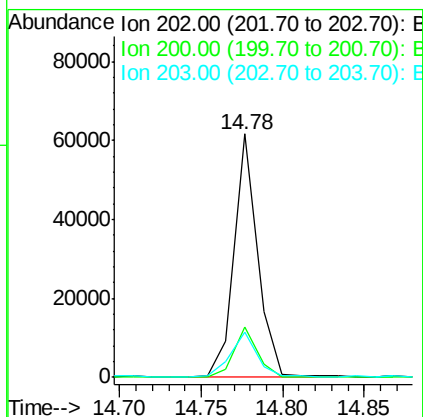
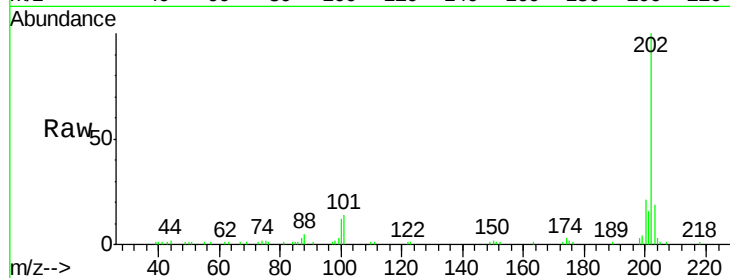




#77
 Pyrene
 Concen: 3.22 ng
 RT: 14.78 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF078841.D
 Acq: 30 Apr 2015 6:36

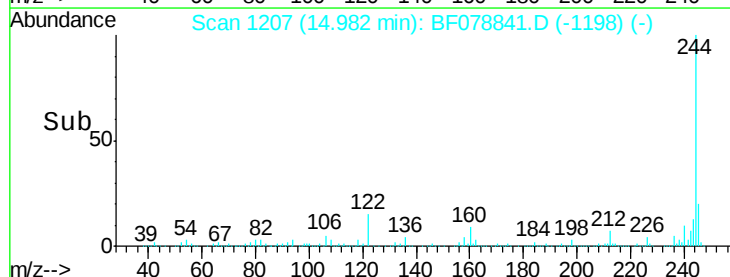
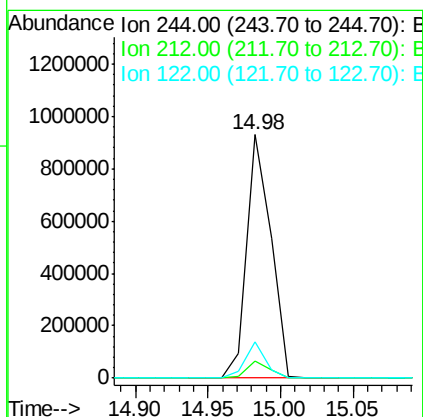
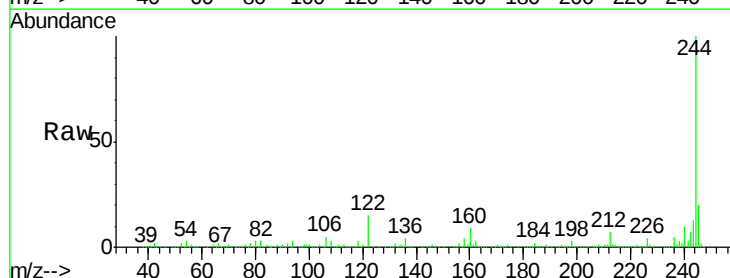
Instrument :
 BNA_F
 ClientSampleId :
 PS-17-0-2

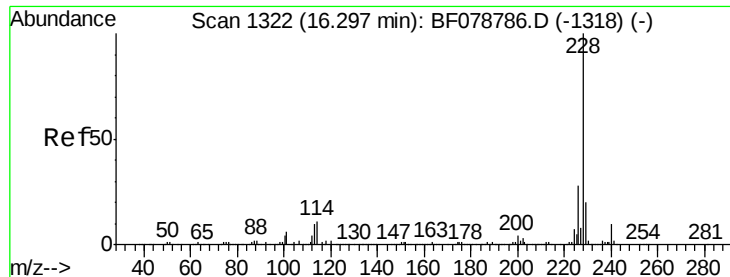
Tgt Ion: 202 Resp: 61439
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.5 26.3
 203 18.6 13.9 20.9



#78
 Terphenyl-d14
 Concen: 78.61 ng
 RT: 14.98 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF078841.D
 Acq: 30 Apr 2015 6:36

Tgt Ion: 244 Resp: 1077744
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 14.7 10.3 15.5





#80

Benzo(a)anthracene

Concen: 2.17 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BF078841.D

Acq: 30 Apr 2015 6:36

Instrument :

BNA_F

ClientSampleId :

PS-17-0-2

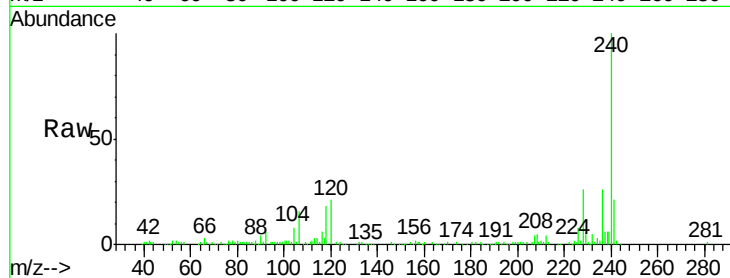
Tgt Ion:228 Resp: 38084

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

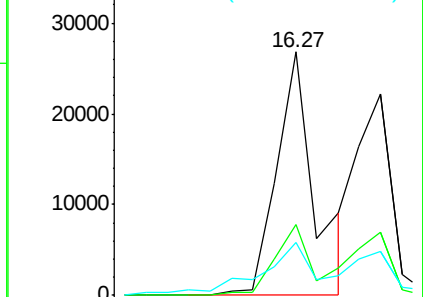
229 21.5 15.9 23.9



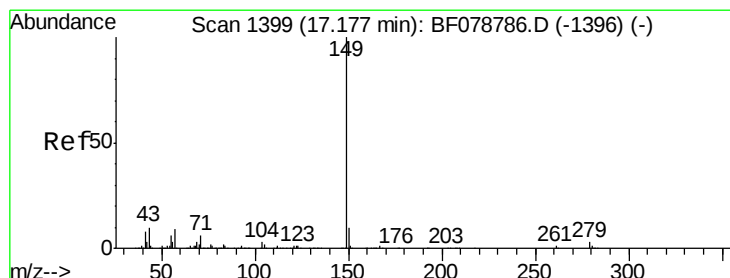
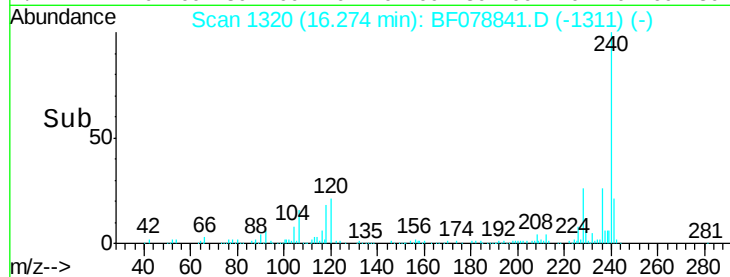
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Di-n-octyl phthalate

Concen: 7.05 ng

RT: 17.14 min Scan# 1396

Delta R.T. 0.03 min

Lab File: BF078841.D

Acq: 30 Apr 2015 6:36

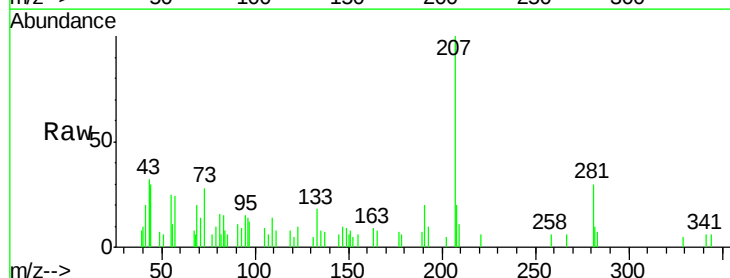
Tgt Ion:149 Resp: 2355

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

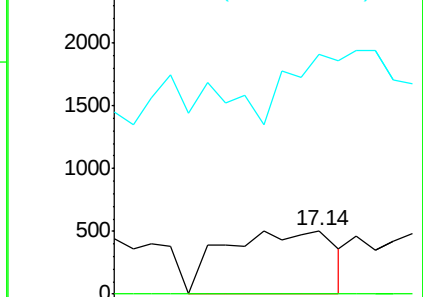
43 0.0 0.0 0.0



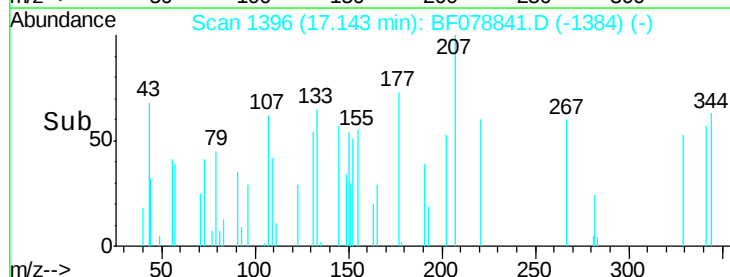
Abundance Ion 149.00 (148.70 to 149.70): E

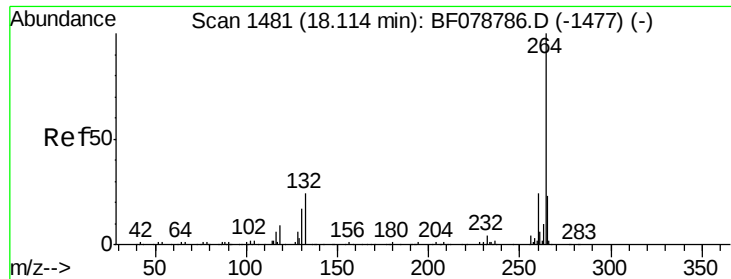
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



Time-->

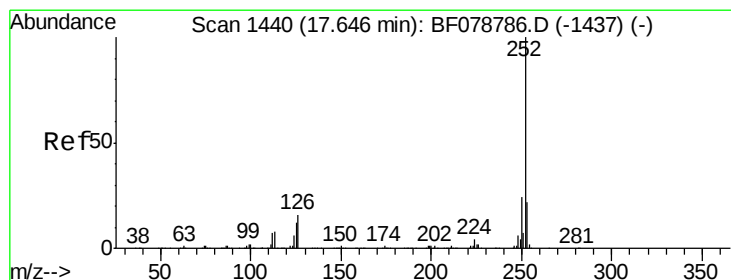
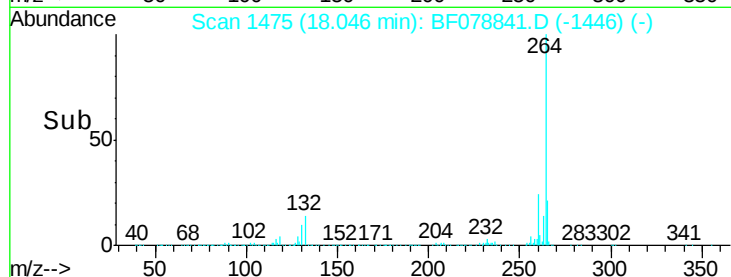
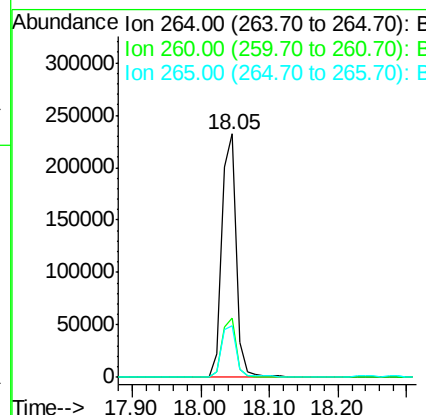
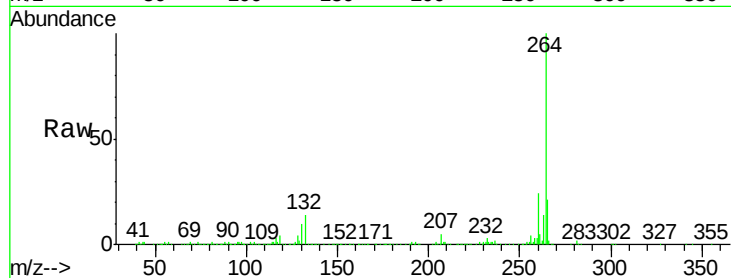




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.05 min Scan# 1475
Delta R.T. 0.03 min
Lab File: BF078841.D
Acq: 30 Apr 2015 6:36

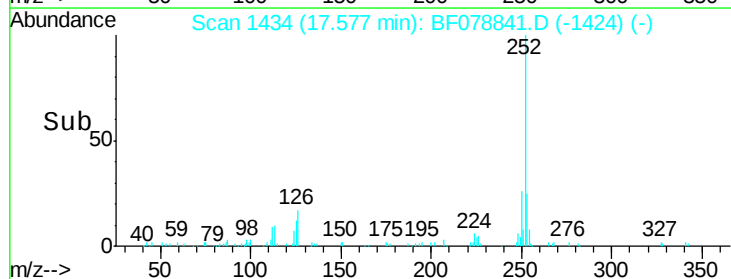
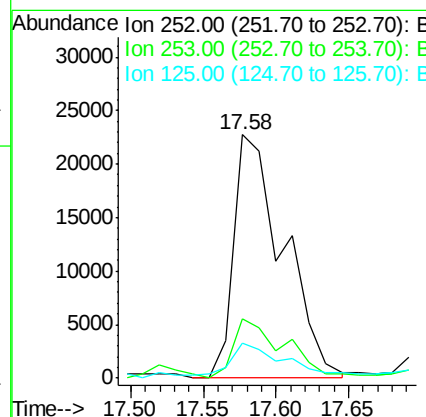
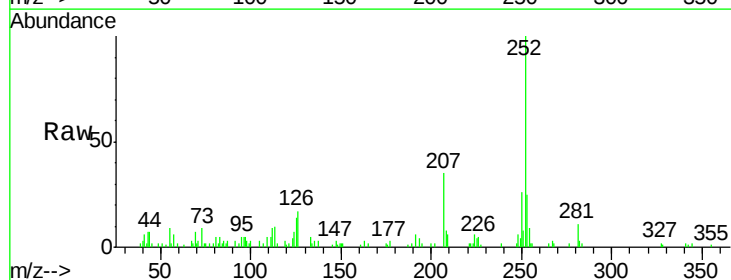
Instrument :
BNA_F
ClientSampleId :
PS-17-0-2

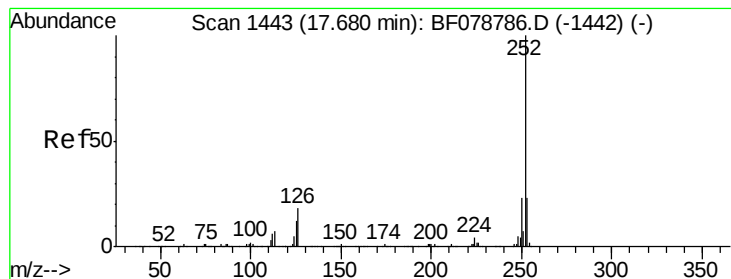
Tgt Ion: 264 Resp: 348414
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 21.4 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 2.86 ng
RT: 17.58 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BF078841.D
Acq: 30 Apr 2015 6:36

Tgt Ion: 252 Resp: 54025
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 14.2 9.5 14.3





#88

Benzo(k)fluoranthene

Concen: 2.99 ng

RT: 17.58 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF078841.D

Acq: 30 Apr 2015 6:36

Instrument :

BNA_F

ClientSampleId :

PS-17-0-2

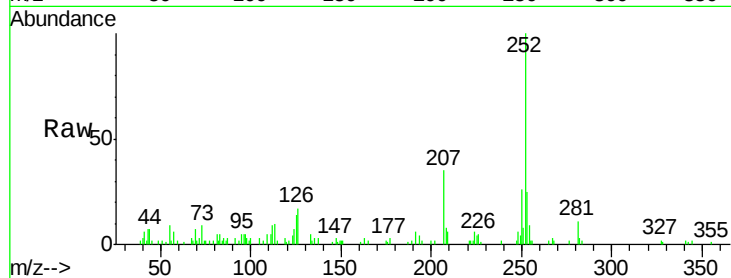
Tgt Ion: 252 Resp: 54687

Ion Ratio Lower Upper

252 100

253 24.5 18.1 27.1

125 14.2 10.0 15.0



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

