

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077064.D
 Acq On : 26 Jan 2015 21:32
 Operator : TP/IZ
 Sample : G1138-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 275B3

Quant Time: Jan 27 02:35:11 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 27 01:21:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	20647	20.00	ng	0.01
21) Naphthalene-d8	10.69	136	85831	20.00	ng	0.01
38) Acenaphthene-d10	14.84	164	40540	20.00	ng	0.03
63) Phenanthrene-d10	17.66	188	72068	20.00	ng	0.02
75) Chrysene-d12	21.15	240	69545	20.00	ng	0.00
86) Perylene-d12	22.78	264	69608	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.79	112	119014	94.77	ng	0.00
7) Phenol-d6	7.17	99	147472	93.09	ng	0.00
23) Nitrobenzene-d5	9.08	82	91456	59.03	ng	0.01
41) 2,4,6-Tribromophenol	16.55	330	31256	94.98	ng	0.03
44) 2-Fluorobiphenyl	13.35	172	173028	64.95	ng	0.02
78) Terphenyl-d14	19.89	244	182800	60.51	ng	0.01

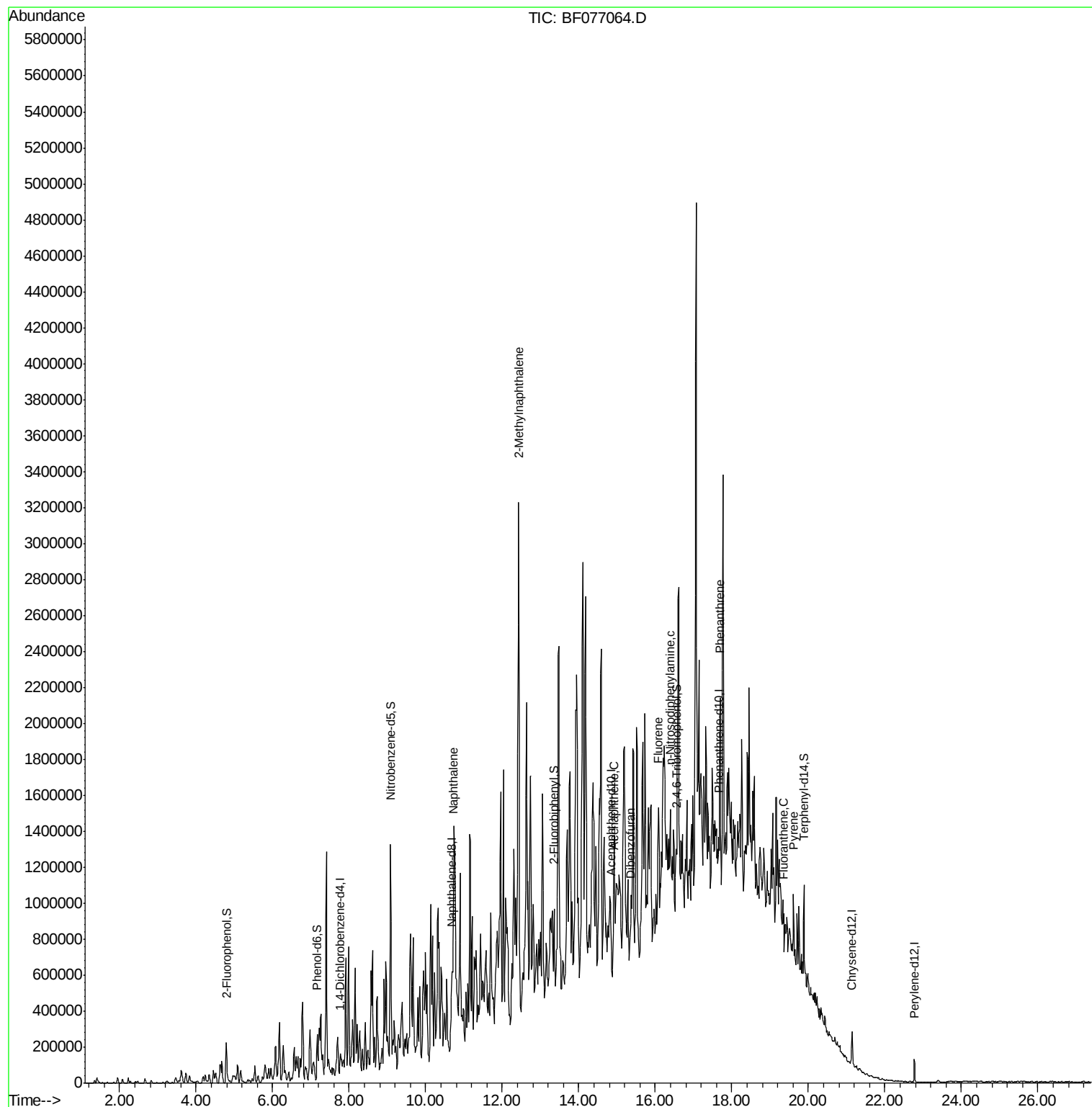
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.73	128	699163	158.22	ng	97
37) 2-Methylnaphthalene	12.43	142	1558882	516.56	ng	97
51) Acenaphthene	14.91	154	60598	25.60	ng	# 85
54) Dibenzofuran	15.34	168	52576	15.25	ng	# 88
57) Fluorene	16.08	166	145045	49.65	ng	# 85
65) n-Nitrosodiphenylamine	16.39	169	159462	62.05	ng	# 52
70) Phenanthrene	17.69	178	445743	99.18	ng	97
74) Fluoranthene	19.34	202	17762	3.86	ng	# 58
77) Pyrene	19.61	202	88319	18.53	ng	# 83

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

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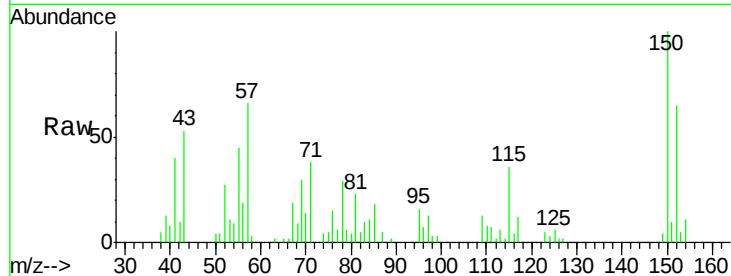


#1

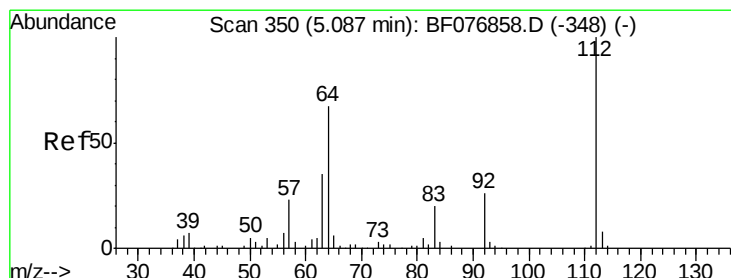
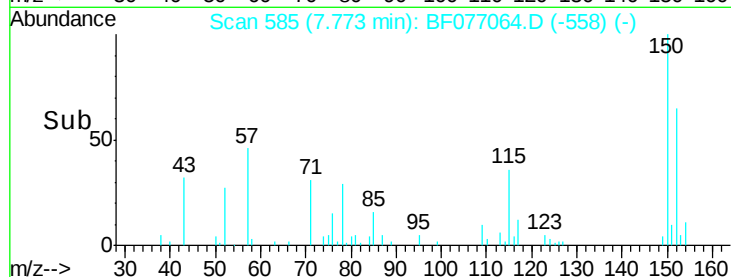
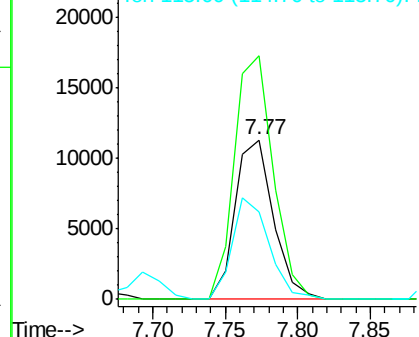
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF077064.D
Acq: 26 Jan 2015 21:32

Instrument :
BNA_F
ClientSampleId :
275B3

Tgt Ion:152 Resp: 20647
Ion Ratio Lower Upper
152 100
150 153.0 121.7 182.5
115 55.3 47.0 70.6



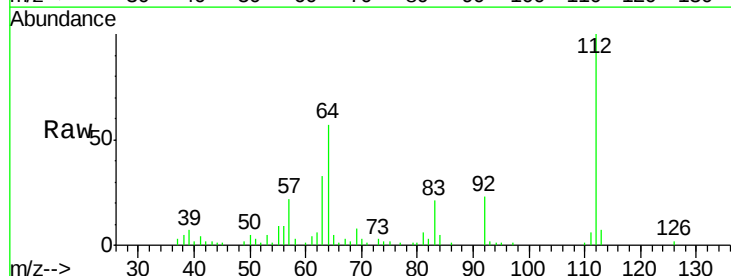
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



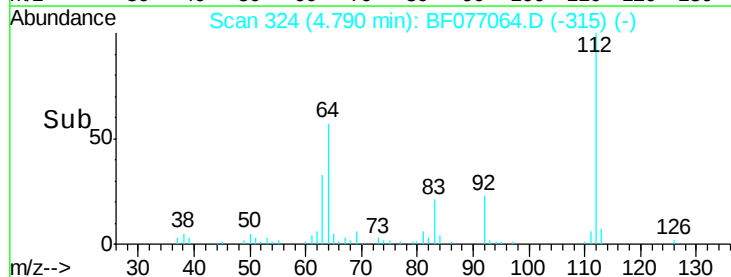
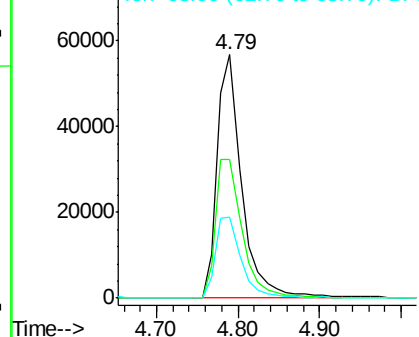
#5

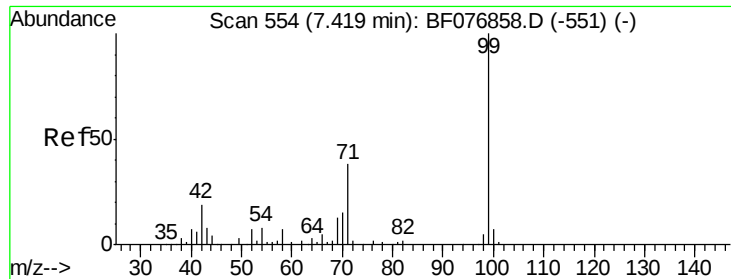
2-Fluorophenol
Concen: 94.77 ng
RT: 4.79 min Scan# 324
Delta R.T. 0.00 min
Lab File: BF077064.D
Acq: 26 Jan 2015 21:32

Tgt Ion:112 Resp: 119014
Ion Ratio Lower Upper
112 100
64 57.2 54.2 81.4
63 33.3 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: 93.09 ng

RT: 7.17 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

Instrument :

BNA_F

ClientSampleId :

275B3

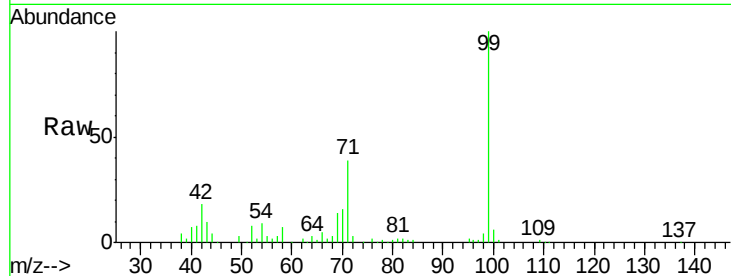
Tgt Ion: 99 Resp: 147472

Ion Ratio Lower Upper

99 100

42 17.5 15.0 22.4

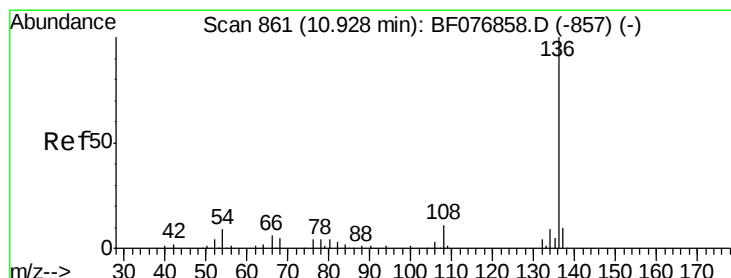
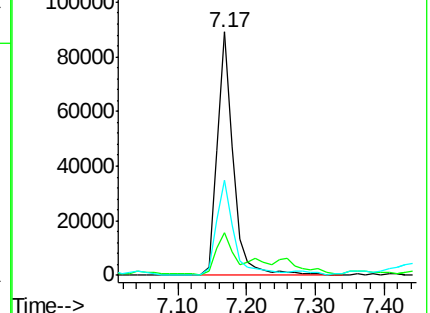
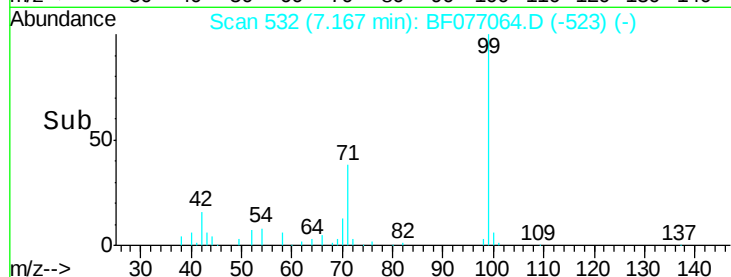
71 39.0 30.5 45.7



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: 10.69 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

Tgt Ion: 136 Resp: 85831

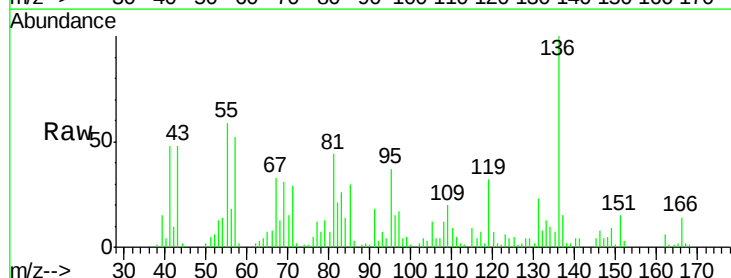
Ion Ratio Lower Upper

136 100

137 14.6 8.1 12.1#

54 14.3 7.0 10.4#

68 12.6 3.7 5.5#

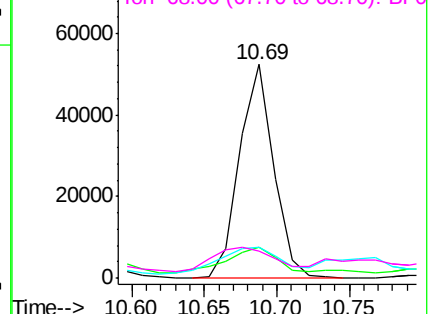
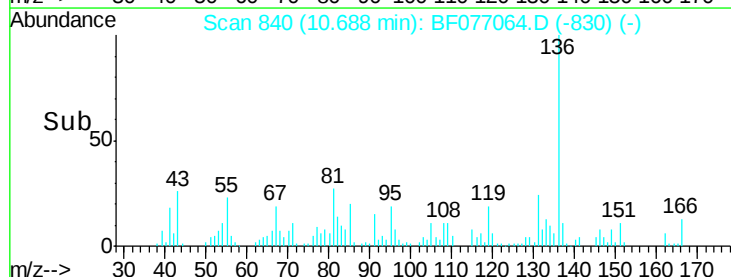


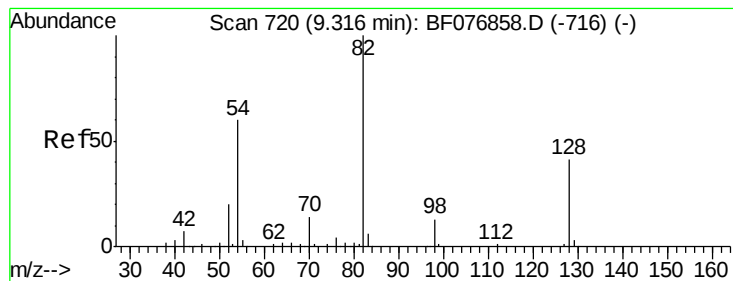
Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.03 ng

RT: 9.08 min Scan# 699

Delta R.T. 0.01 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

Instrument :

BNA_F

ClientSampleId :

275B3

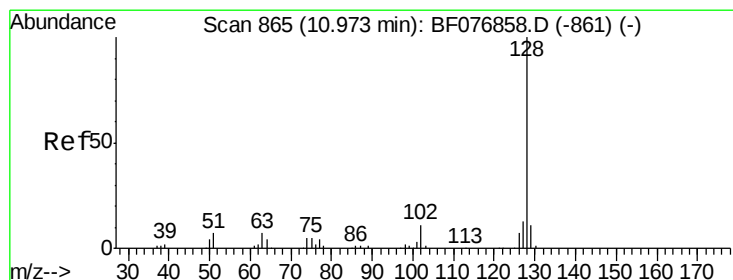
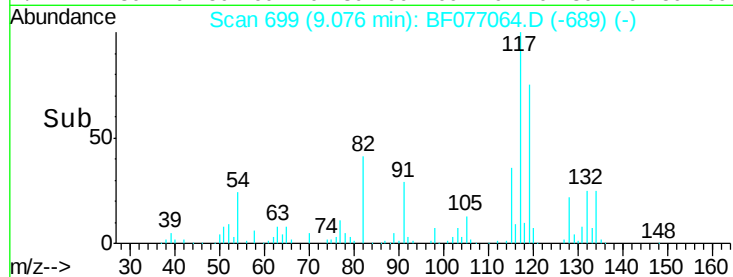
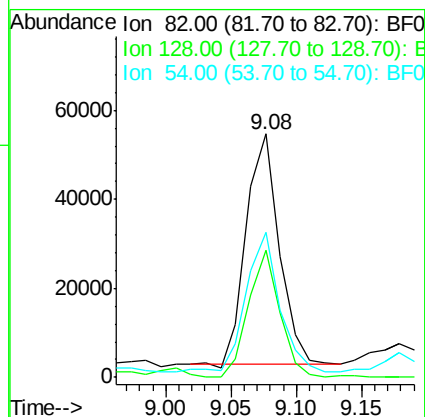
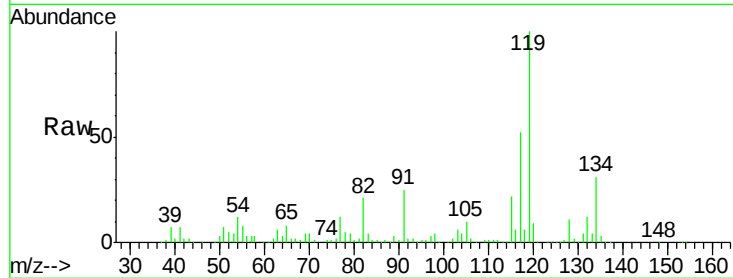
Tgt Ion: 82 Resp: 91456

Ion Ratio Lower Upper

82 100

128 52.1 33.1 49.7#

54 59.5 48.3 72.5



#31

Naphthalene

Concen: 158.22 ng

RT: 10.73 min Scan# 844

Delta R.T. 0.01 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

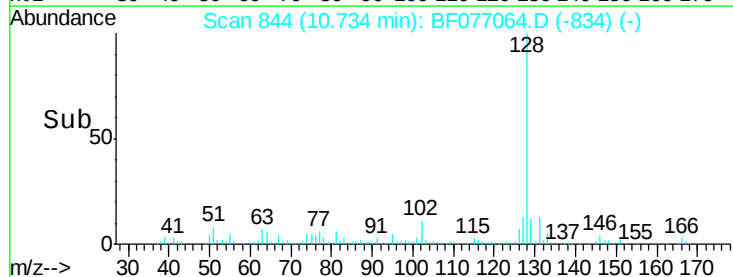
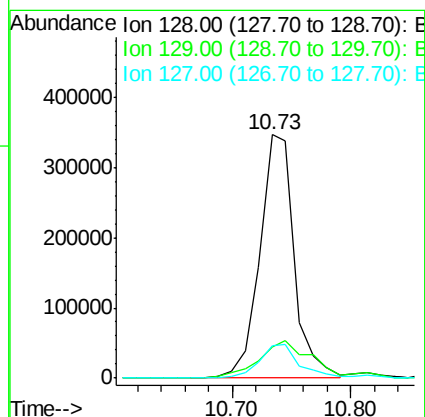
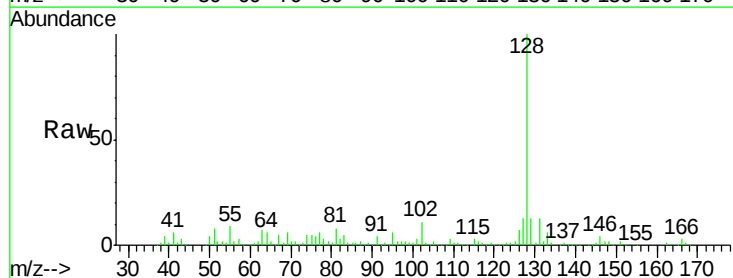
Tgt Ion: 128 Resp: 699163

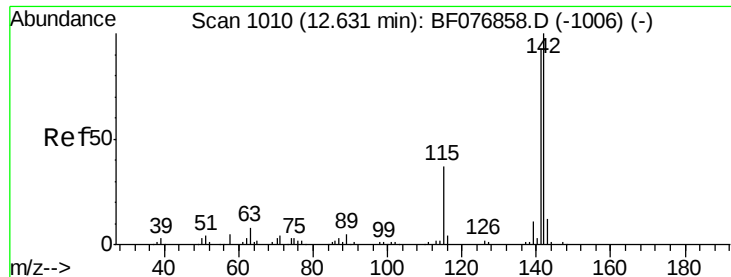
Ion Ratio Lower Upper

128 100

129 12.7 9.0 13.6

127 13.4 10.2 15.2

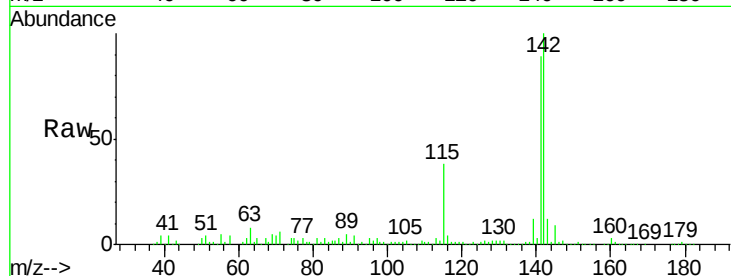




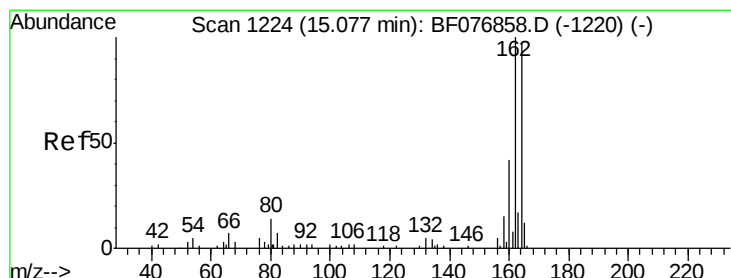
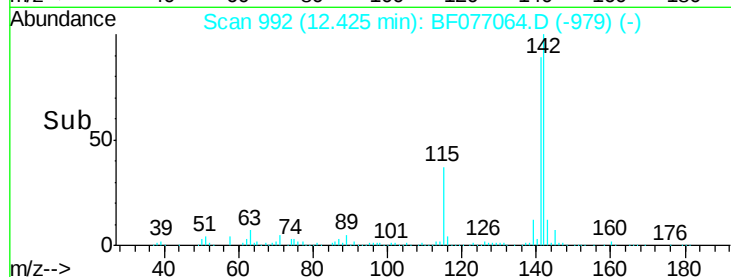
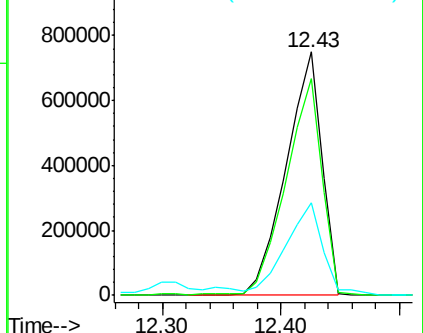
#37
2-Methylnaphthalene
Concen: 516.56 ng
RT: 12.43 min Scan# 992
Delta R.T. 0.05 min
Lab File: BF077064.D
Acq: 26 Jan 2015 21:32

Instrument :
BNA_F
ClientSampleId :
275B3

Tgt Ion:142 Resp: 1558882
Ion Ratio Lower Upper
142 100
141 89.3 74.5 111.7
115 38.0 29.7 44.5

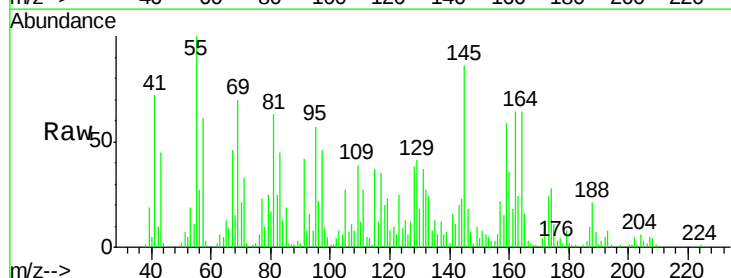


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

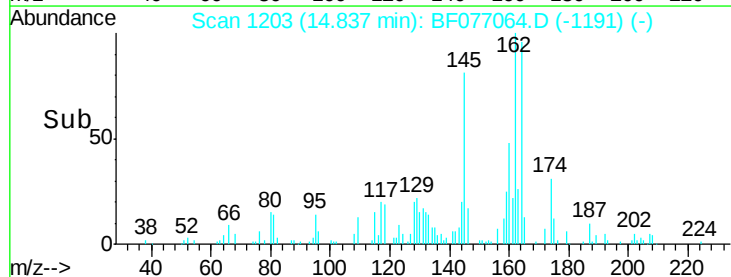
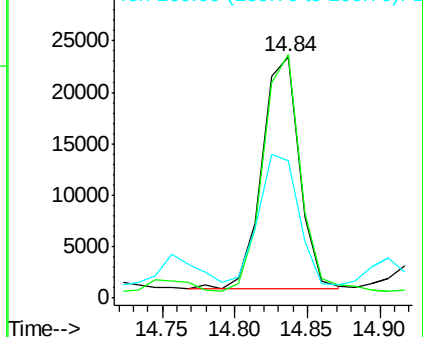


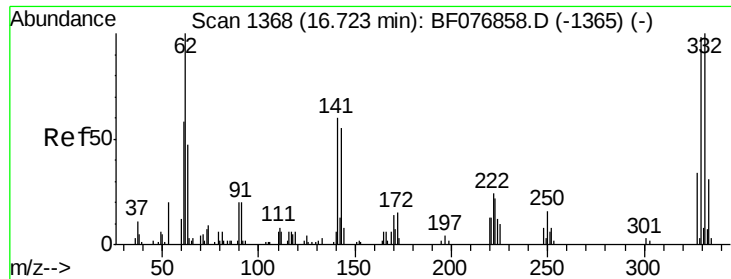
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.84 min Scan# 1203
Delta R.T. 0.03 min
Lab File: BF077064.D
Acq: 26 Jan 2015 21:32

Tgt Ion:164 Resp: 40540
Ion Ratio Lower Upper
164 100
162 100.8 82.4 123.6
160 56.7 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

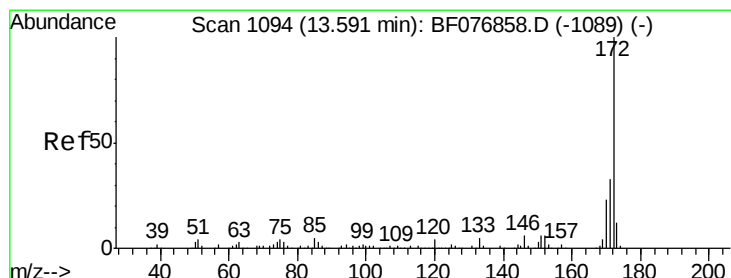
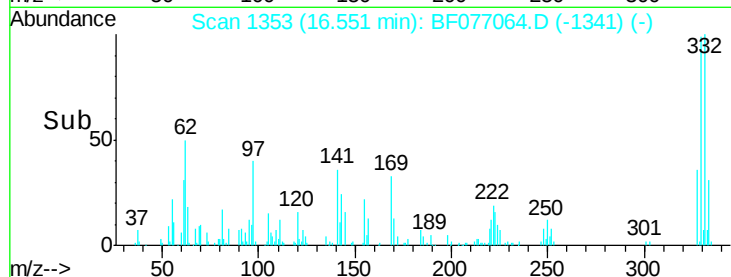
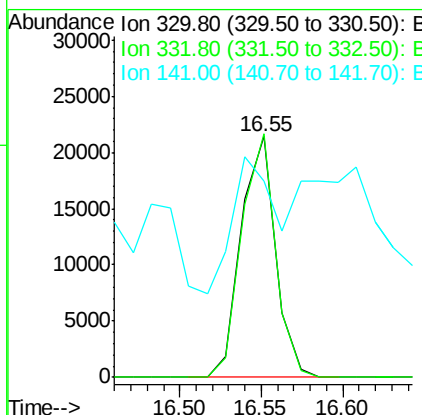
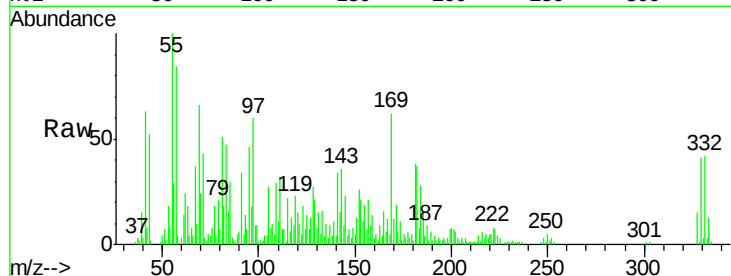




#41
 2,4,6-Tribromophenol
 Concen: 94.98 ng
 RT: 16.55 min Scan# 1353
 Delta R.T. 0.03 min
 Lab File: BF077064.D
 Acq: 26 Jan 2015 21:32

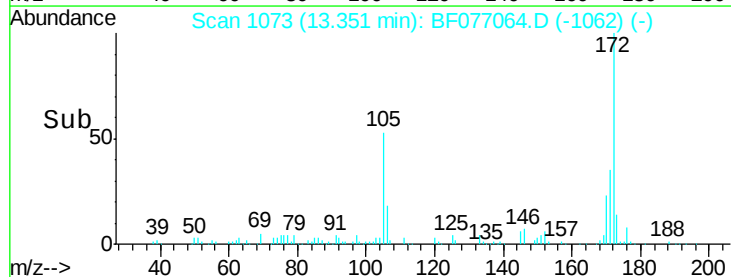
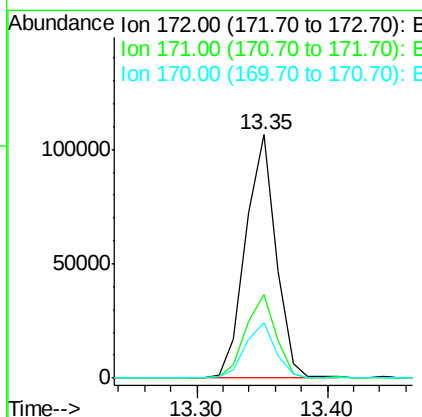
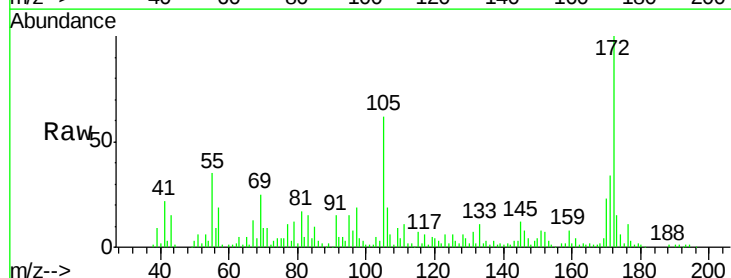
Instrument :
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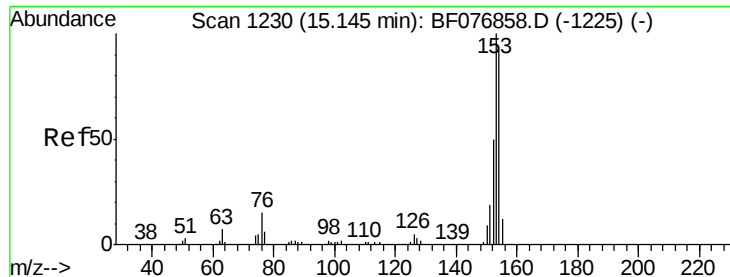
Tgt Ion:330 Resp: 31256
 Ion Ratio Lower Upper
 330 100
 332 99.1 77.8 116.6
 141 69.5 38.5 57.7#



#44
 2-Fluorobiphenyl
 Concen: 64.95 ng
 RT: 13.35 min Scan# 1073
 Delta R.T. 0.02 min
 Lab File: BF077064.D
 Acq: 26 Jan 2015 21:32

Tgt Ion:172 Resp: 173028
 Ion Ratio Lower Upper
 172 100
 171 34.5 26.6 40.0
 170 22.9 18.0 27.0





#51

Acenaphthene

Concen: 25.60 ng

RT: 14.91 min Scan# 1209

Delta R.T. 0.02 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

Instrument :

BNA_F

ClientSampleId :

275B3

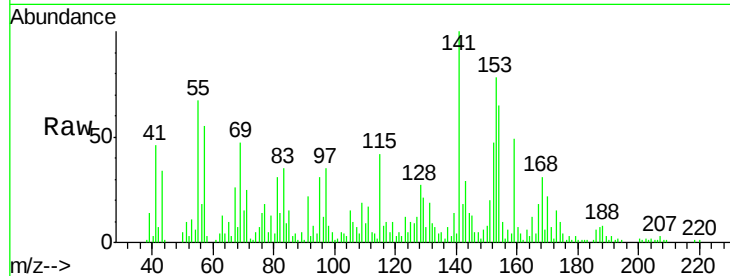
Tgt Ion:154 Resp: 60598

Ion Ratio Lower Upper

154 100

153 119.4 87.0 130.6

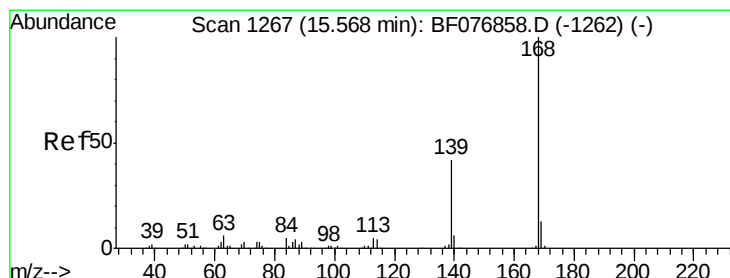
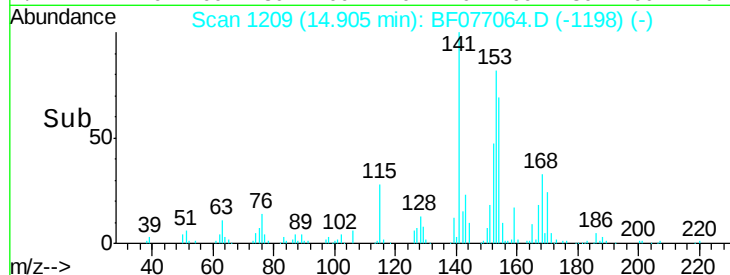
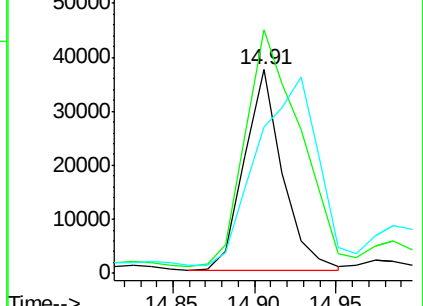
152 71.6 43.5 65.3#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 15.25 ng

RT: 15.34 min Scan# 1247

Delta R.T. 0.03 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

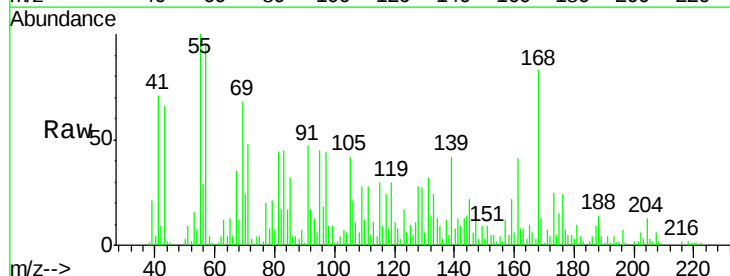
Tgt Ion:168 Resp: 52576

Ion Ratio Lower Upper

168 100

139 50.4 33.4 50.2#

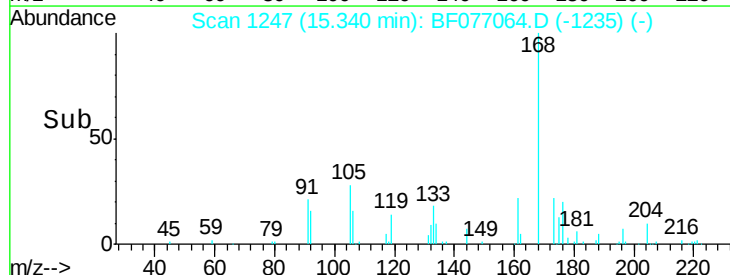
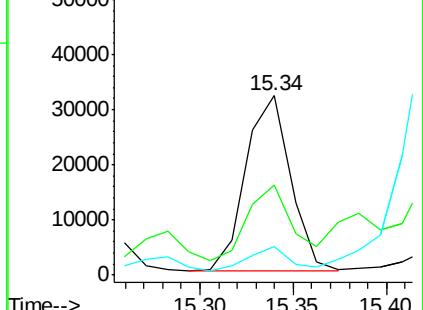
169 15.6 10.6 15.8

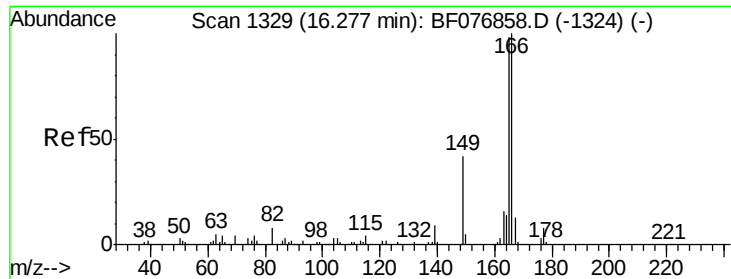


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 49.65 ng

RT: 16.08 min Scan# 1312

Delta R.T. 0.03 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

Instrument :

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ClientSampleId :

275B3

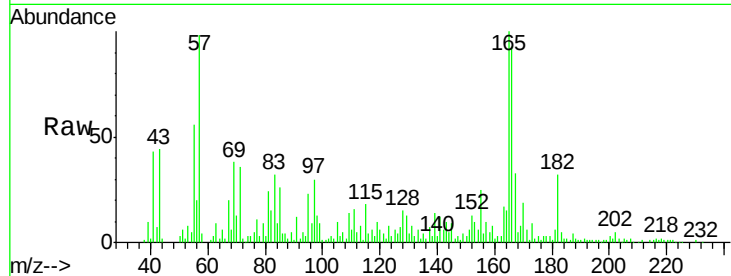
Tgt Ion:166 Resp: 145045

Ion Ratio Lower Upper

166 100

165 107.9 78.5 117.7

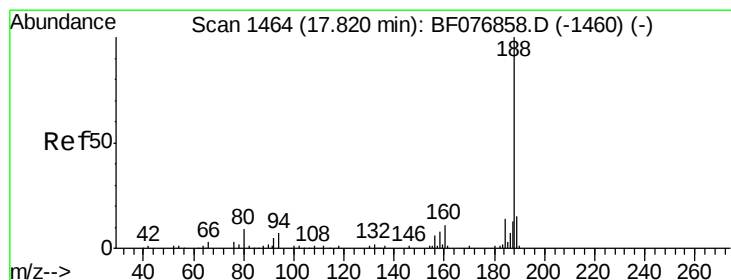
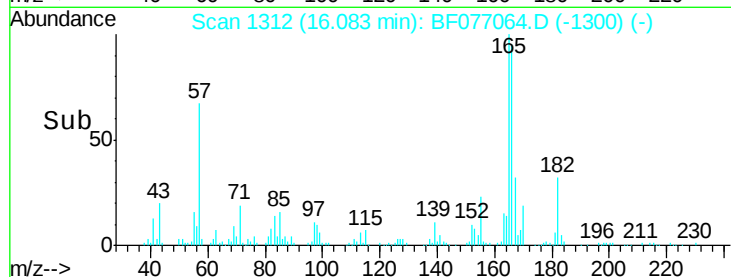
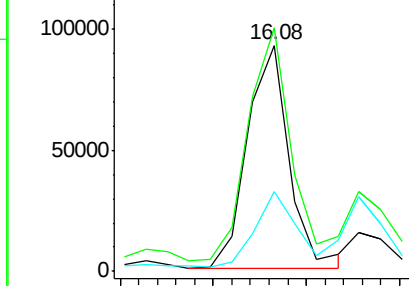
167 35.1 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.66 min Scan# 1450

Delta R.T. 0.02 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

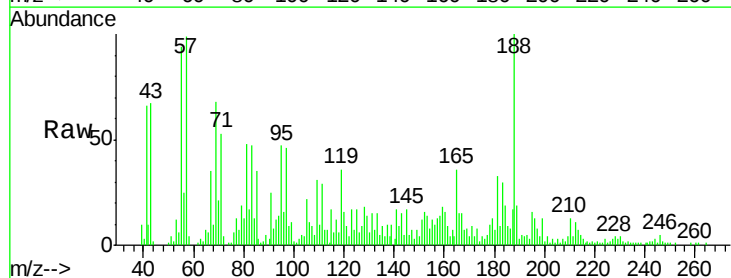
Tgt Ion:188 Resp: 72068

Ion Ratio Lower Upper

188 100

94 13.9 6.0 9.0#

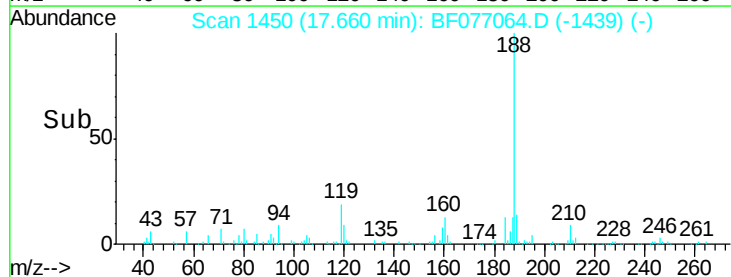
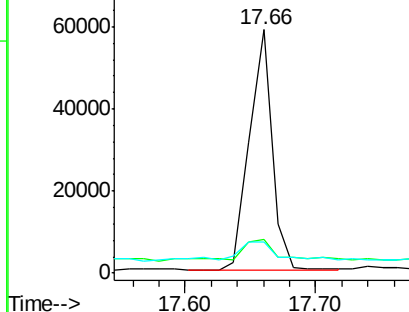
80 12.7 6.9 10.3#

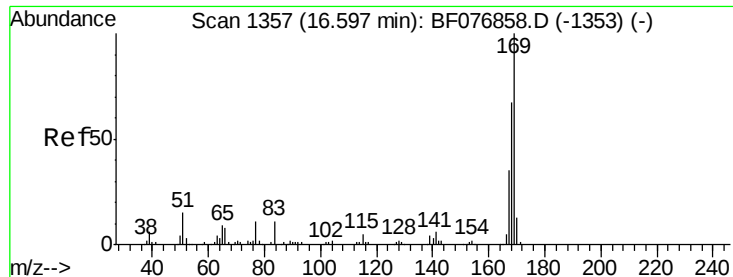


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 62.05 ng

RT: 16.39 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

Instrument :

BNA_F

ClientSampleId :

275B3

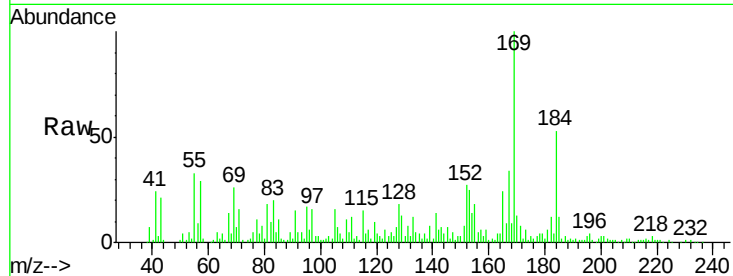
Tgt Ion:169 Resp: 159462

Ion Ratio Lower Upper

169 100

168 8.8 53.8 80.6#

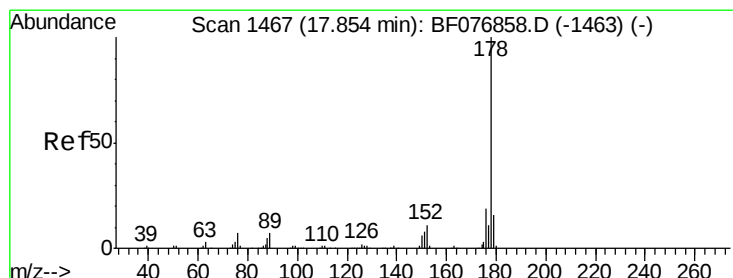
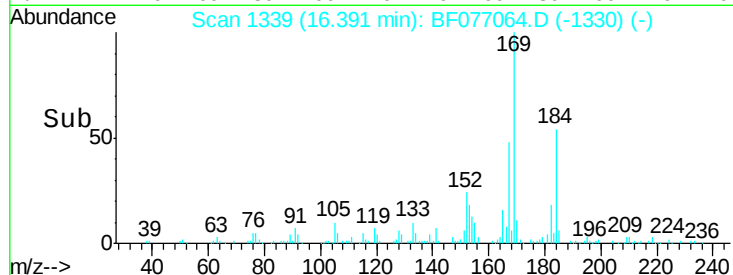
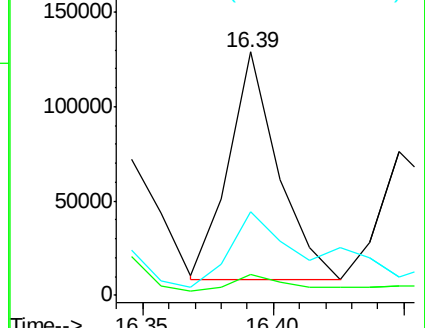
167 34.3 27.8 41.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 99.18 ng

RT: 17.69 min Scan# 1453

Delta R.T. 0.02 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

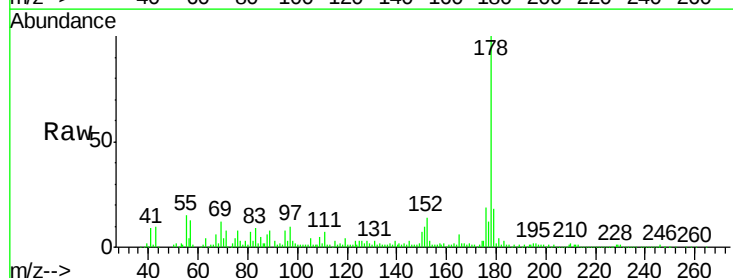
Tgt Ion:178 Resp: 445743

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

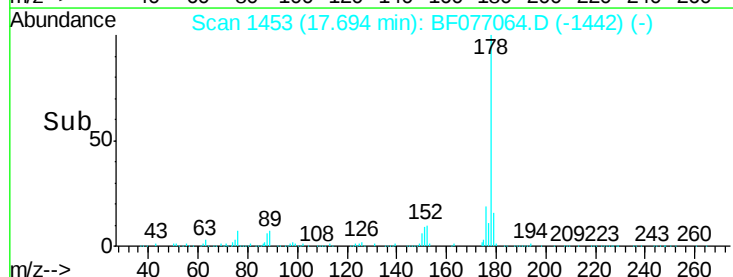
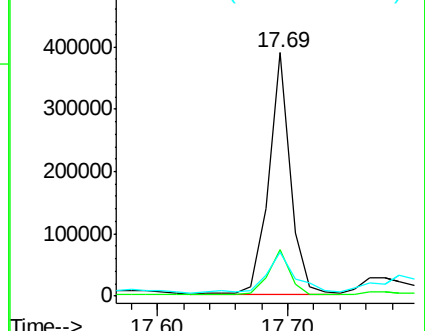
179 17.9 12.7 19.1

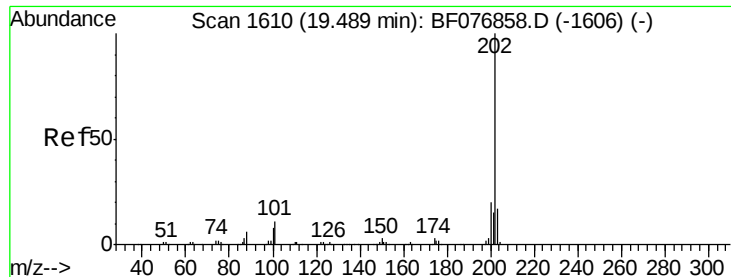


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.86 ng

RT: 19.34 min Scan# 1597

Delta R.T. 0.02 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

Instrument :

BNA_F

ClientSampleId :

275B3

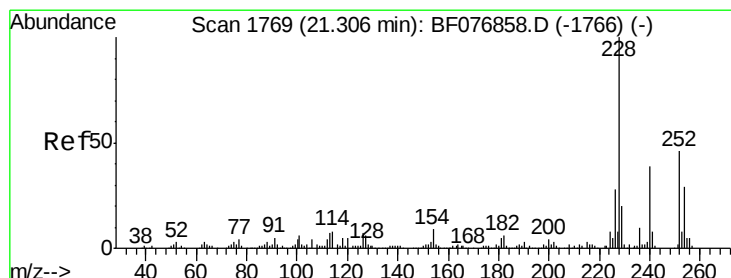
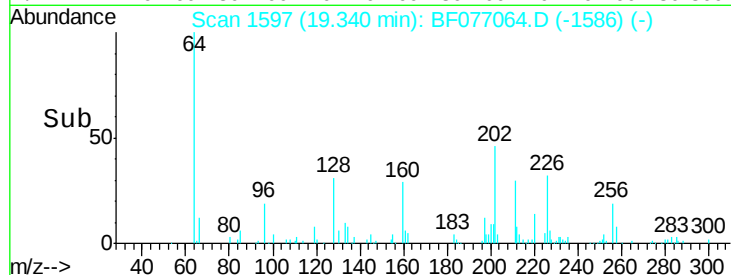
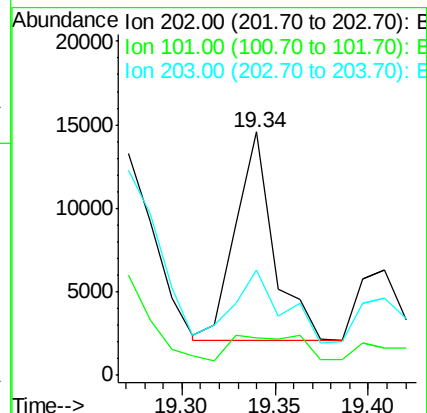
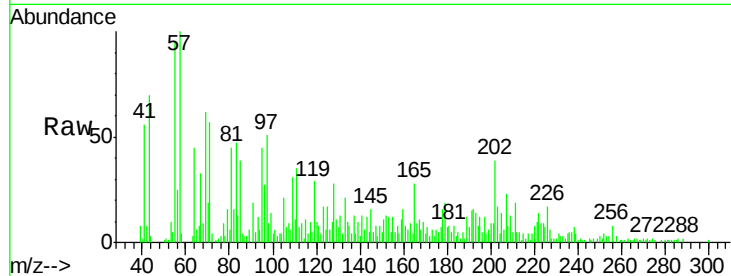
Tgt Ion:202 Resp: 17762

Ion Ratio Lower Upper

202 100

101 15.2 0.0 30.7

203 43.1 0.0 36.9#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.15 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF077064.D

Acq: 26 Jan 2015 21:32

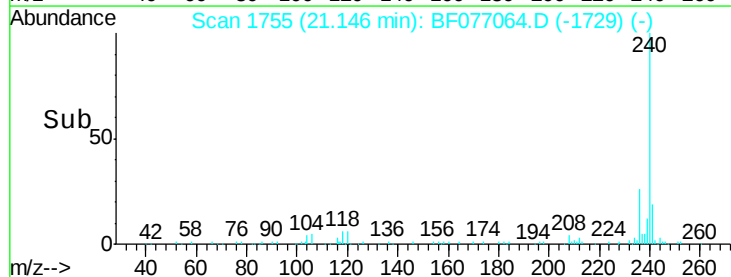
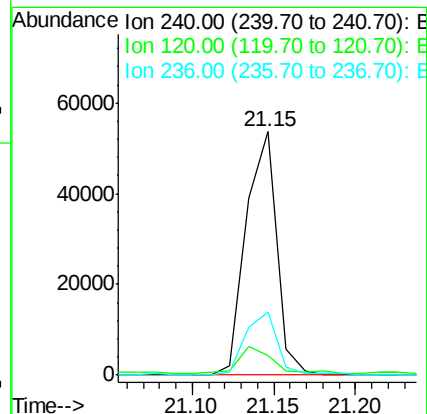
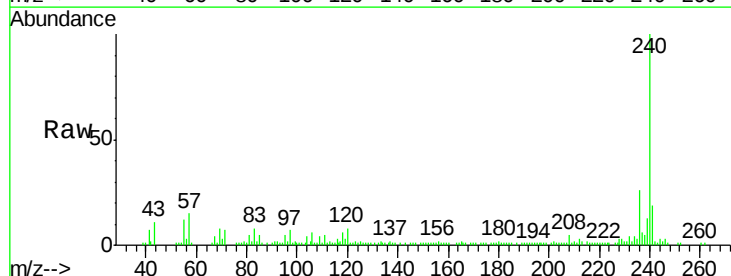
Tgt Ion:240 Resp: 69545

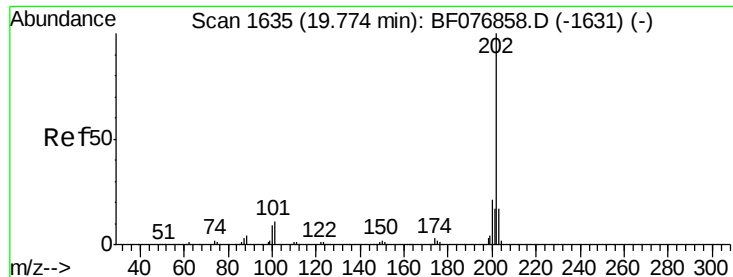
Ion Ratio Lower Upper

240 100

120 7.8 10.4 15.6#

236 26.0 20.2 30.2

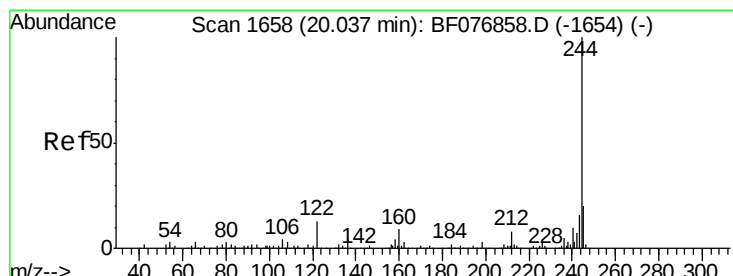
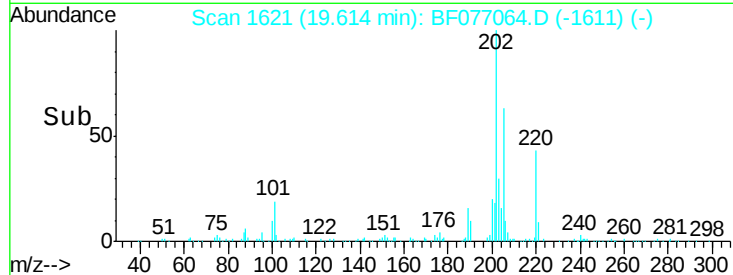
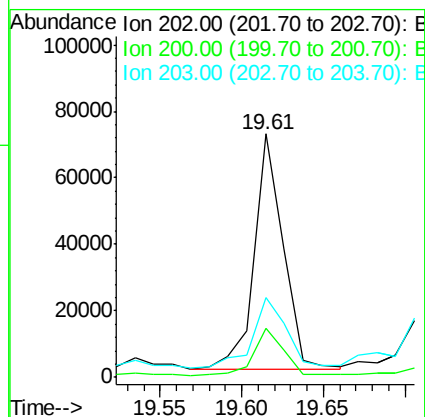
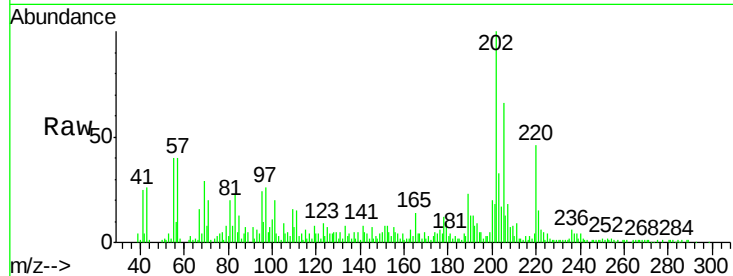




#77
 Pyrene
 Concen: 18.53 ng
 RT: 19.61 min Scan# 1621
 Delta R.T. 0.01 min
 Lab File: BF077064.D
 Acq: 26 Jan 2015 21:32

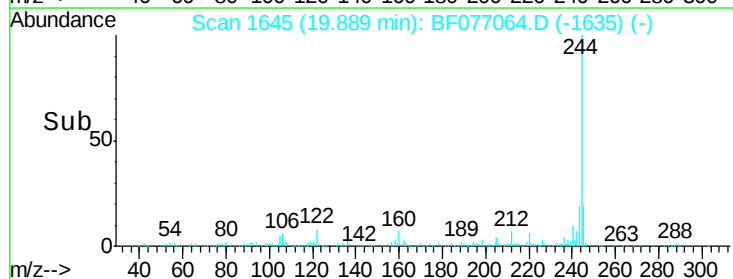
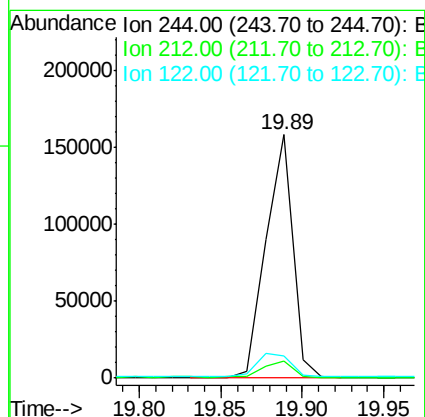
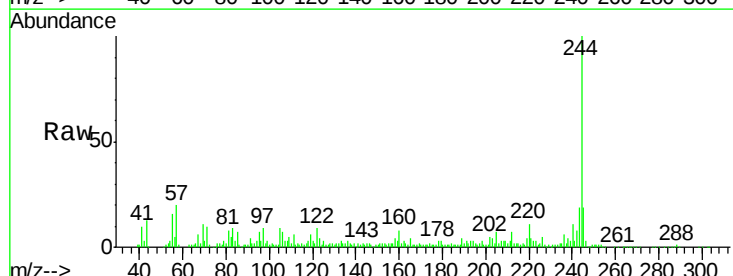
Instrument :
 BNA_F
 ClientSampled :
 275B3

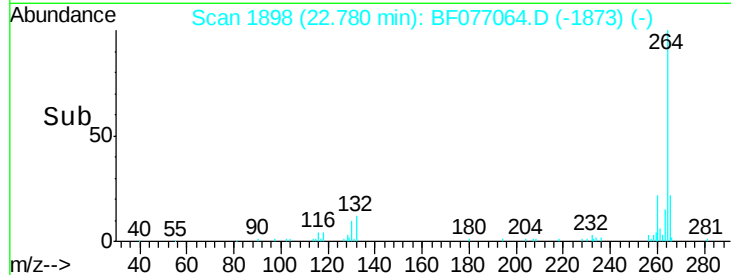
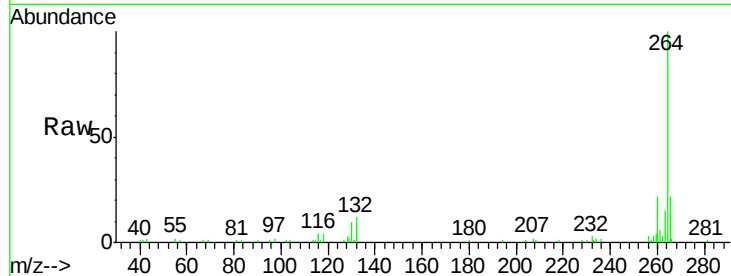
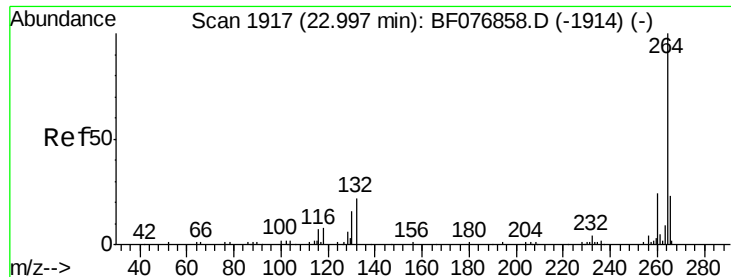
Tgt Ion: 202 Resp: 88319
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.7 25.1
 203 32.7 14.0 21.0#



#78
 Terphenyl-d14
 Concen: 60.51 ng
 RT: 19.89 min Scan# 1645
 Delta R.T. 0.01 min
 Lab File: BF077064.D
 Acq: 26 Jan 2015 21:32

Tgt Ion: 244 Resp: 182800
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.3 9.5
 122 8.9 10.1 15.1#





#86
Perylene-d12
Concen: 20.00 ng
RT: 22.78 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BF077064.D
Acq: 26 Jan 2015 21:32

Instrument :
BNA_F
ClientSampleId :
275B3

Tgt Ion:	264	Resp:	69608
Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.0	28.4
265	22.0	18.1	27.1

