

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032015\
 Data File : BF077889.D
 Acq On : 21 Mar 2015 4:32
 Operator : TP/IZ
 Sample : G1575-10
 Misc : W
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-031715

Quant Time: Mar 21 05:43:35 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 21 04:23:04 2015
 Response via : Initial Calibration

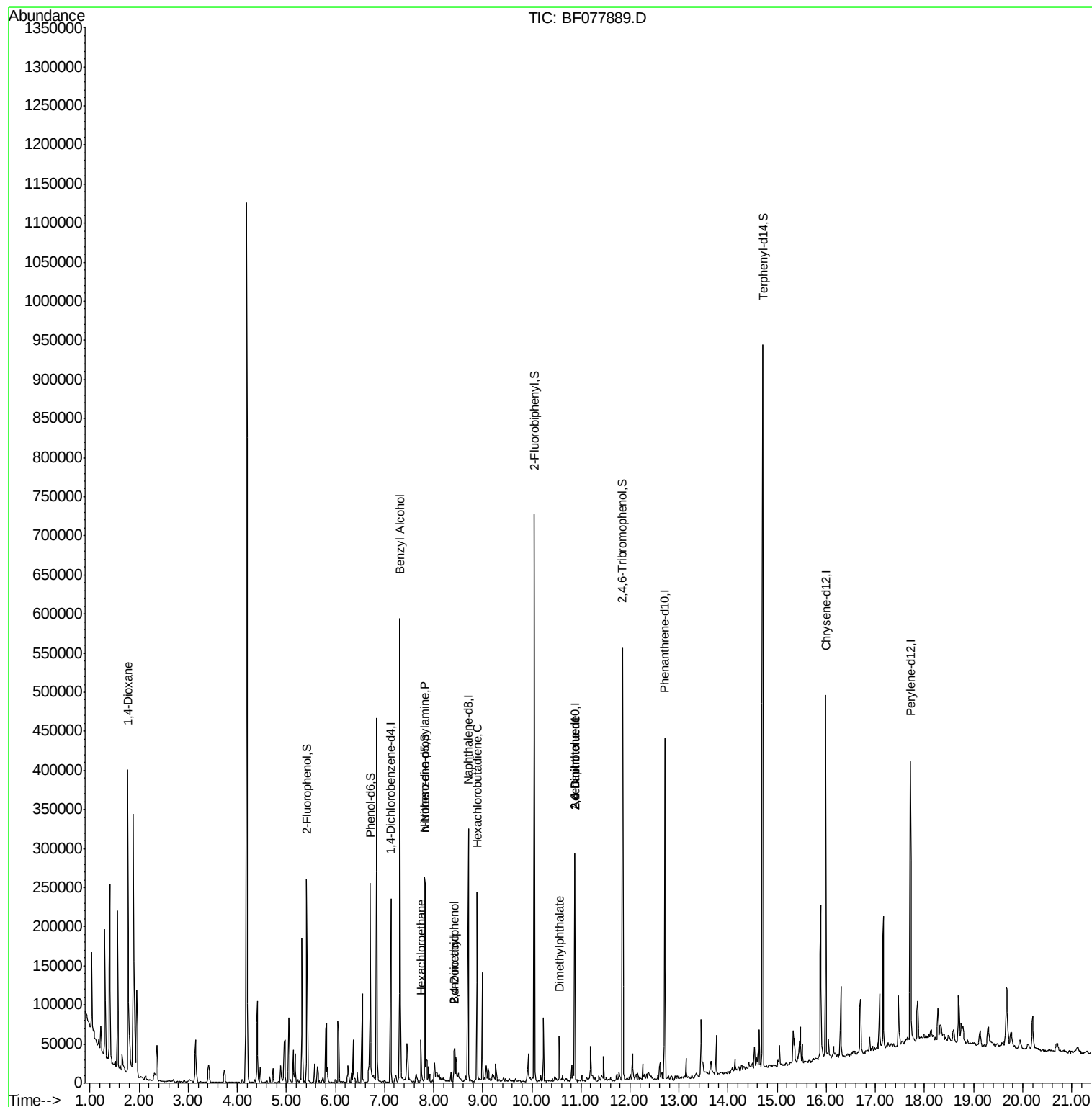
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	40655	20.00	ng	0.00
21) Naphthalene-d8	8.70	136	170465	20.00	ng	0.00
38) Acenaphthene-d10	10.88	164	85947	20.00	ng	0.00
63) Phenanthrene-d10	12.71	188	173366	20.00	ng	0.00
75) Chrysene-d12	15.99	240	180475	20.00	ng	0.00
86) Perylene-d12	17.71	264	173314	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	88458	37.98	ng	0.00
7) Phenol-d6	6.70	99	95345	33.13	ng	0.00
23) Nitrobenzene-d5	7.81	82	126448	48.62	ng	-0.01
41) 2,4,6-Tribromophenol	11.85	330	56482	68.69	ng	0.00
44) 2-Fluorobiphenyl	10.05	172	287855	49.22	ng	0.00
78) Terphenyl-d14	14.71	244	355855	48.16	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.77	88	16914	15.99	ng	# 100
15) Benzyl Alcohol	7.31	79	6990	3.11	ng	# 57
18) Hexachloroethane	7.74	117	6432	6.12	ng	92
19) n-Nitroso-di-n-propylamine	7.81	70	16149	8.11	ng	# 85
27) 2,4-Dimethylphenol	8.43	122	17222	6.89	ng	# 6
32) Benzoic acid	8.43	122	17441	14.80	ng	94
34) Hexachlorobutadiene	8.89	225	33779	22.36	ng	93
49) Dimethylphthalate	10.56	163	22739	3.57	ng	98
50) 2,6-Dinitrotoluene	10.88	165	10849	8.21	ng	# 24
56) 2,4-Dinitrotoluene	10.88	165	10845	6.29	ng	# 11

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

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QLast Update : Sat Mar 21 04:23:04 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.13 min Scan# 546

Delta R.T. -0.00 min

Lab File: BF077889.D

Acq: 21 Mar 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DUP-031715

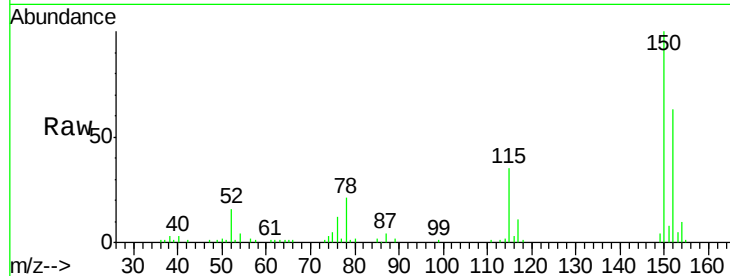
Tgt Ion:152 Resp: 40655

Ion Ratio Lower Upper

152 100

150 158.8 119.5 179.3

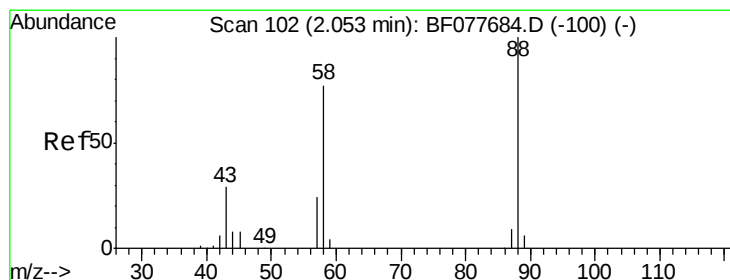
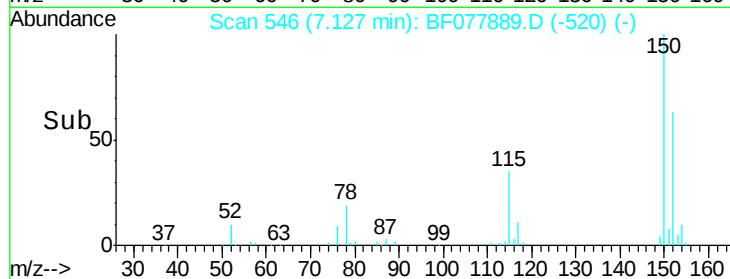
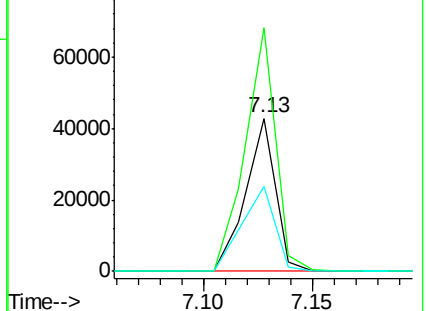
115 55.7 43.0 64.4



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



#2

1,4-Dioxane

Concen: 15.99 ng

RT: 1.77 min Scan# 77

Delta R.T. -0.23 min

Lab File: BF077889.D

Acq: 21 Mar 2015 4:32

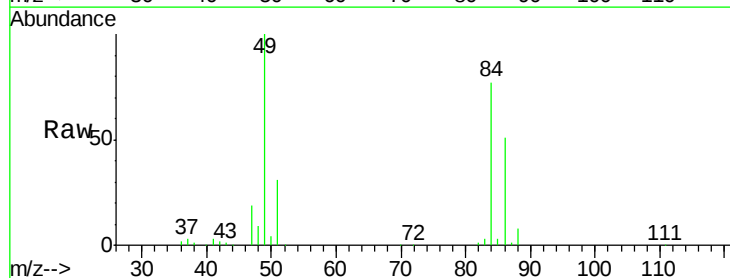
Tgt Ion: 88 Resp: 16914

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

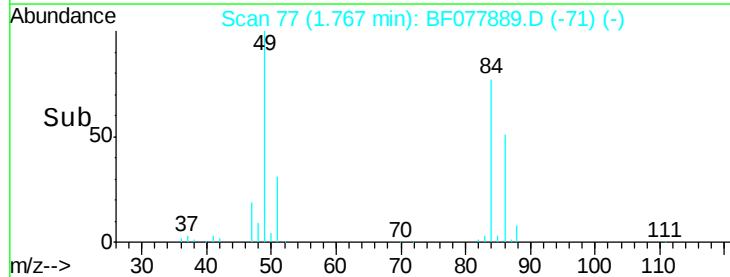
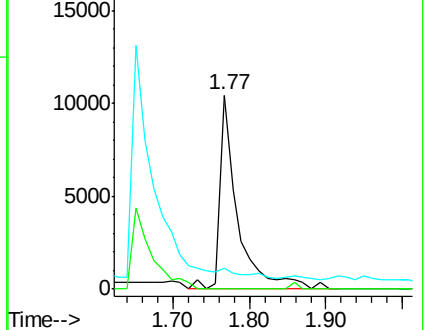
43 0.0 0.0 0.0

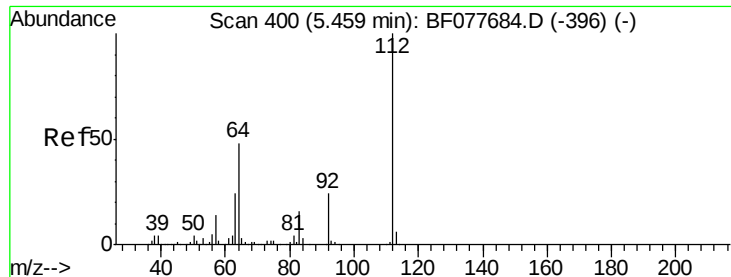


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 37.98 ng

RT: 5.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF077889.D

Acq: 21 Mar 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DUP-031715

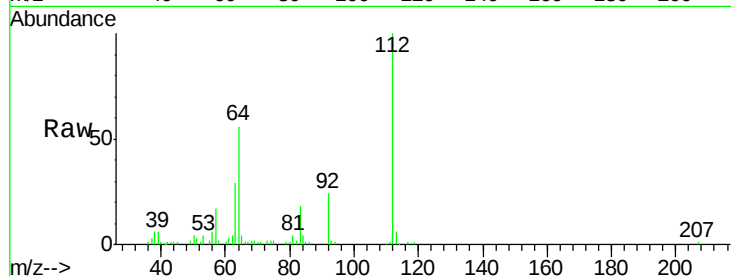
Tgt Ion:112 Resp: 88458

Ion Ratio Lower Upper

112 100

64 55.9 38.6 57.8

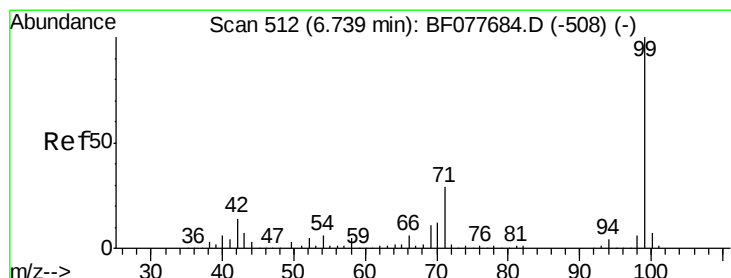
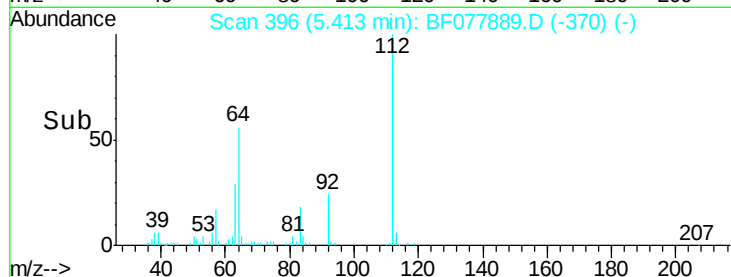
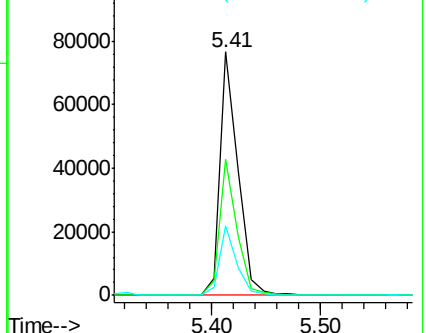
63 28.6 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 33.13 ng

RT: 6.70 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF077889.D

Acq: 21 Mar 2015 4:32

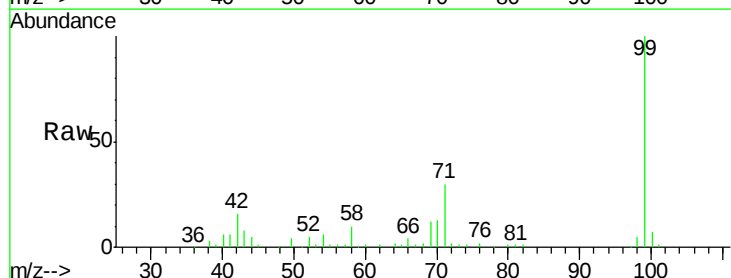
Tgt Ion: 99 Resp: 95345

Ion Ratio Lower Upper

99 100

42 15.9 11.0 16.4

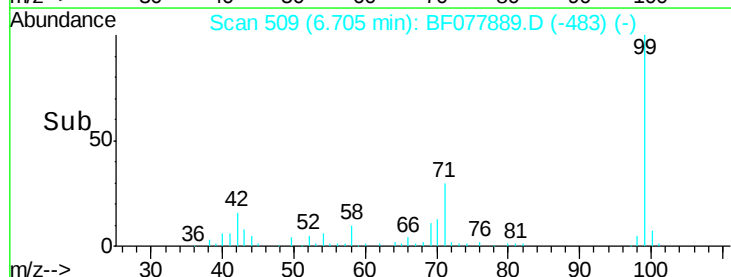
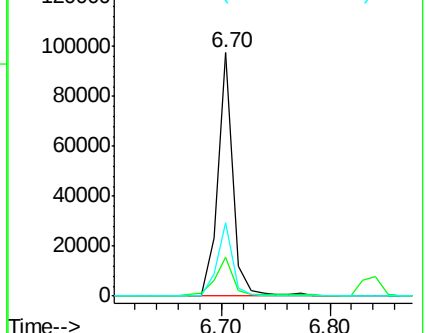
71 30.1 23.4 35.2

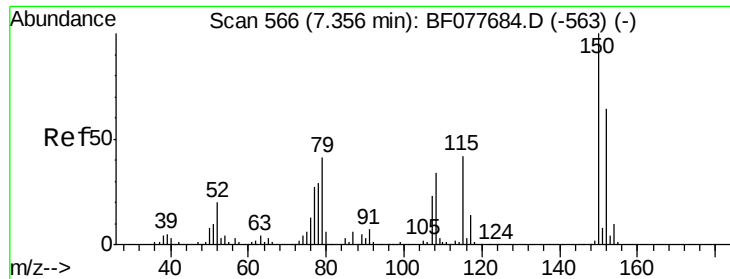


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 3.11 ng

RT: 7.31 min Scan# 562

Delta R.T. -0.00 min

Lab File: BF077889.D

Acq: 21 Mar 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DUP-031715

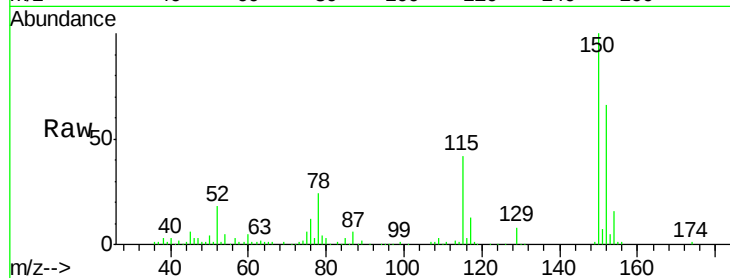
Tgt Ion: 79 Resp: 6990

Ion Ratio Lower Upper

79 100

108 23.6 65.0 97.4#

77 78.7 53.0 79.6



Abundance Ion 79.00 (78.70 to 79.70): BF077684.D (-563) (-)

Ion 108.00 (107.70 to 108.70): BF077684.D (-563) (-)

Ion 77.00 (76.70 to 77.70): BF077684.D (-563) (-)

Time-->

7.25 7.30 7.35 7.40

Abundance

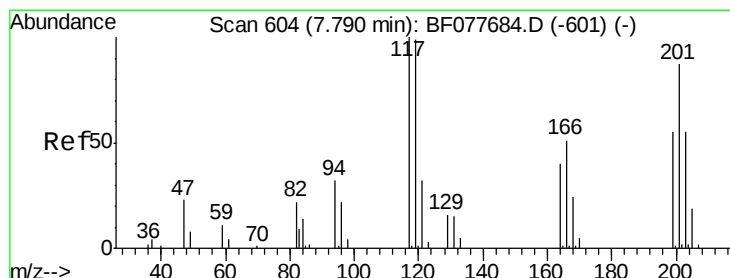
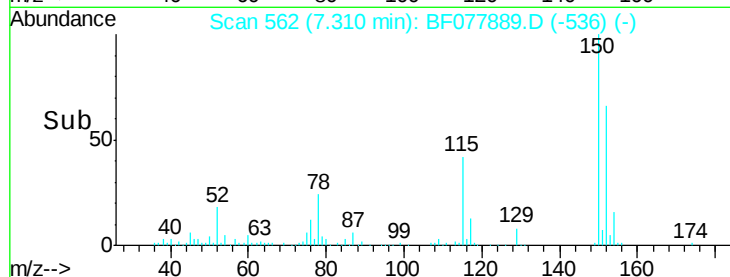
Ion 79.00 (78.70 to 79.70): BF077684.D (-563) (-)

Ion 108.00 (107.70 to 108.70): BF077684.D (-563) (-)

Ion 77.00 (76.70 to 77.70): BF077684.D (-563) (-)

Time-->

7.25 7.30 7.35 7.40



#18

Hexachloroethane

Concen: 6.12 ng

RT: 7.74 min Scan# 600

Delta R.T. -0.00 min

Lab File: BF077889.D

Acq: 21 Mar 2015 4:32

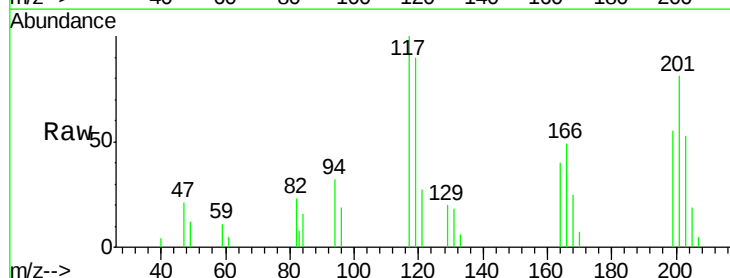
Tgt Ion: 117 Resp: 6432

Ion Ratio Lower Upper

117 100

119 89.9 79.2 118.8

201 81.0 69.8 104.6



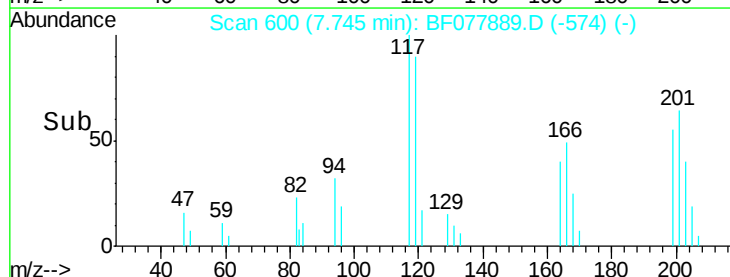
Abundance Ion 117.00 (116.70 to 117.70): BF077684.D (-601) (-)

Ion 119.00 (118.70 to 119.70): BF077684.D (-601) (-)

Ion 201.00 (200.70 to 201.70): BF077684.D (-601) (-)

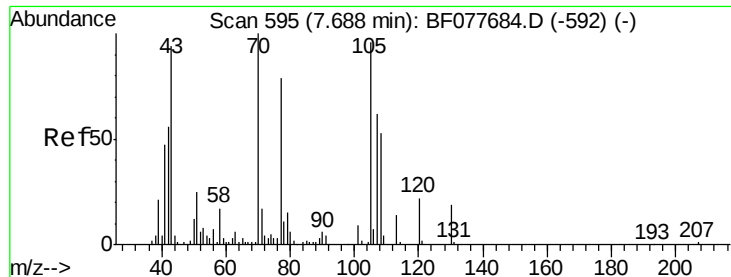
Time-->

7.70 7.75 7.80



Time-->

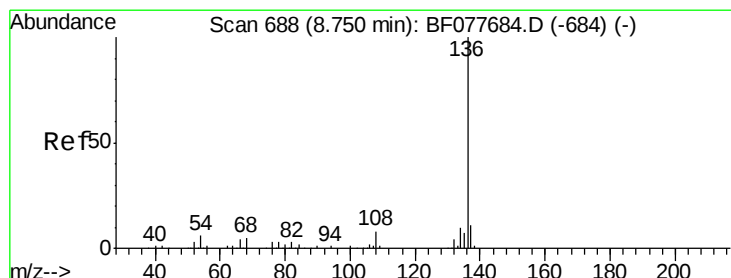
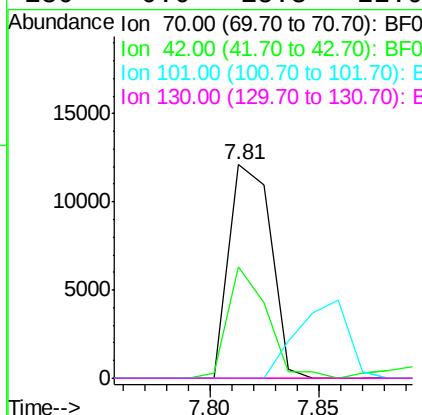
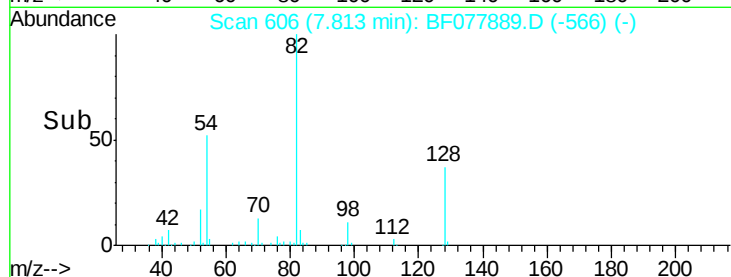
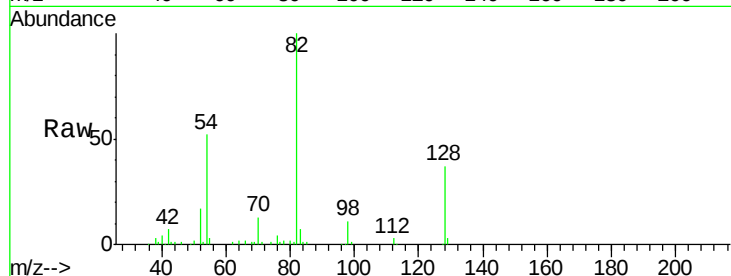
7.70 7.75 7.80



#19
n-Nitroso-di-n-propylamine
Concen: 8.11 ng
RT: 7.81 min Scan# 606
Delta R.T. 0.16 min
Lab File: BF077889.D
Acq: 21 Mar 2015 4:32

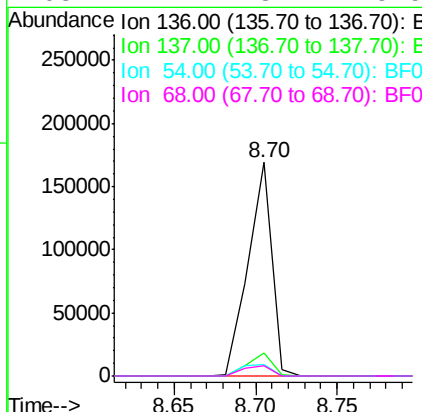
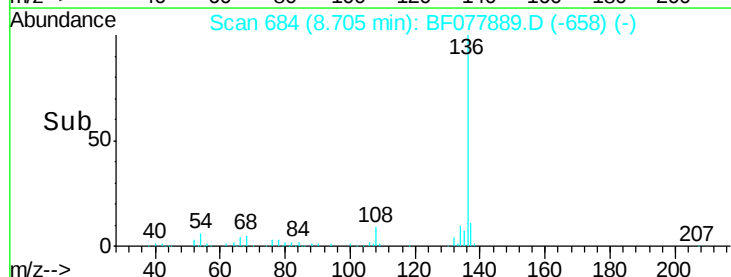
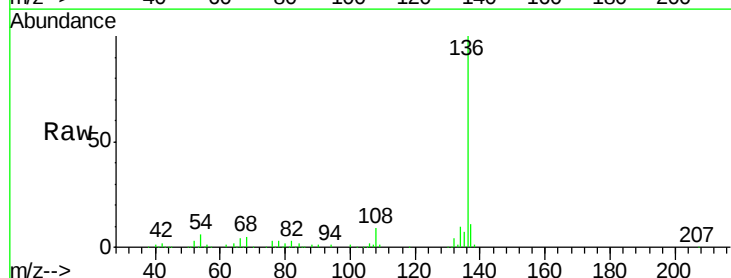
Instrument :
BNA_F
ClientSampleId :
DUP-031715

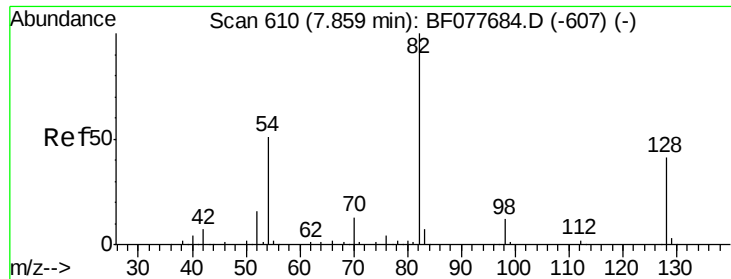
Tgt Ion: 70 Resp: 16149
Ion Ratio Lower Upper
70 100
42 52.3 44.5 66.7
101 0.0 7.4 11.2#
130 0.0 15.3 22.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.70 min Scan# 684
Delta R.T. -0.00 min
Lab File: BF077889.D
Acq: 21 Mar 2015 4:32

Tgt Ion: 136 Resp: 170465
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 5.6 4.6 6.8
68 4.7 3.7 5.5

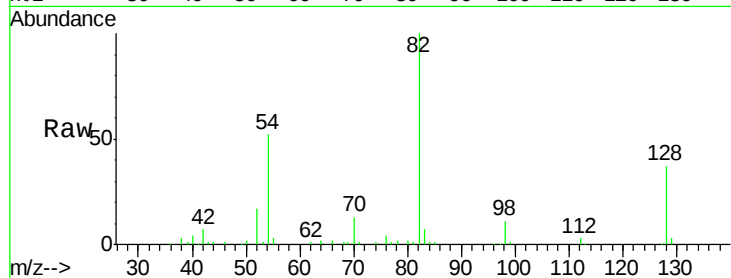




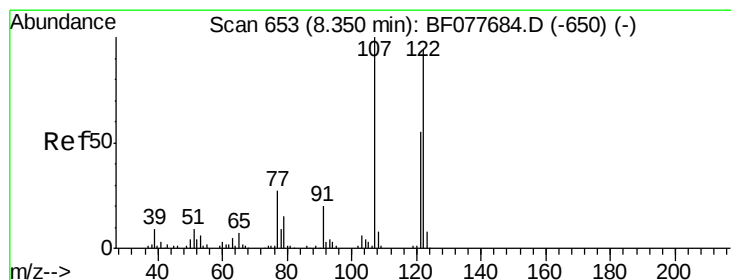
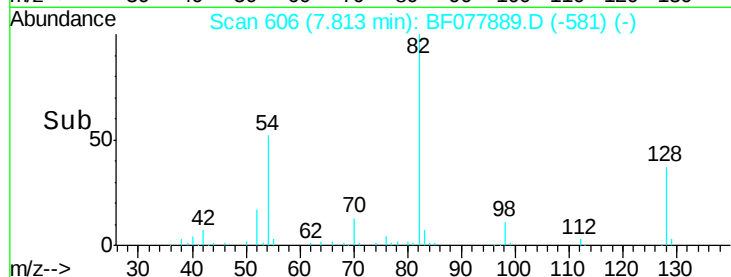
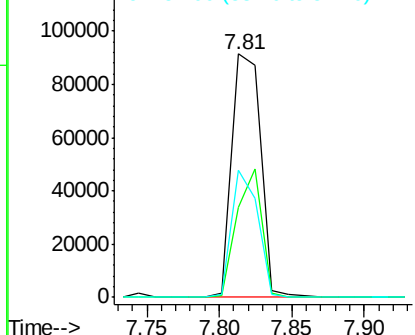
#23
 Nitrobenzene-d5
 Concen: 48.62 ng
 RT: 7.81 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF077889.D
 Acq: 21 Mar 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DUP-031715

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.1	32.8	49.2
54	52.0	40.6	60.8

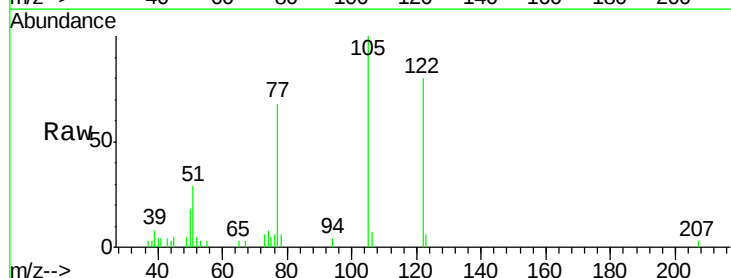


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

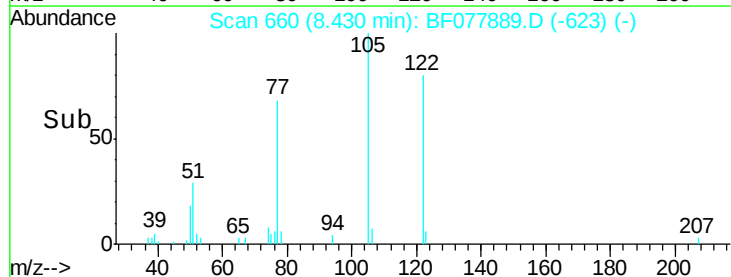
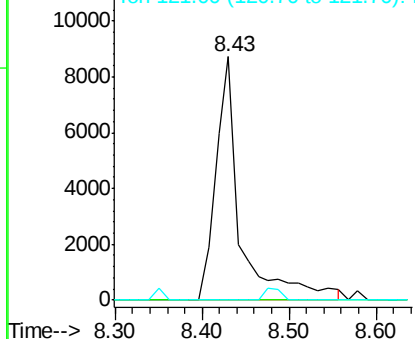


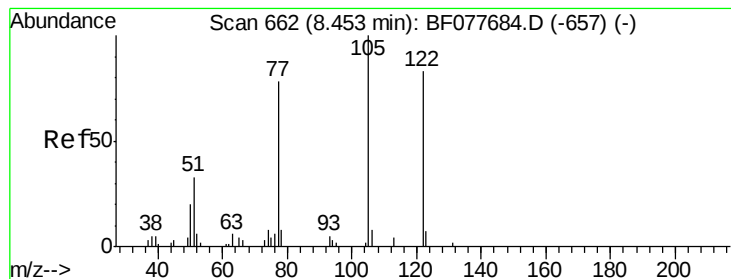
#27
 2,4-Dimethylphenol
 Concen: 6.89 ng
 RT: 8.43 min Scan# 660
 Delta R.T. 0.13 min
 Lab File: BF077889.D
 Acq: 21 Mar 2015 4:32

Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	84.7	127.1#
121	0.0	46.6	69.8#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 14.80 ng

RT: 8.43 min Scan# 660

Delta R.T. 0.01 min

Lab File: BF077889.D

Acq: 21 Mar 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DUP-031715

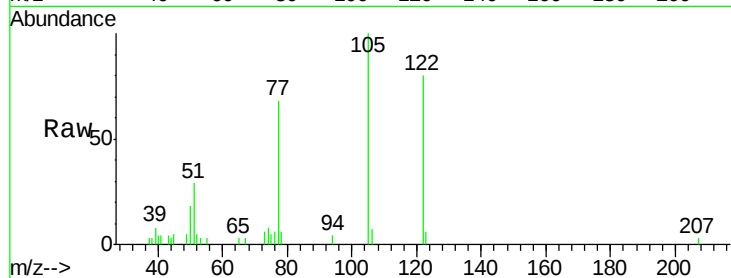
Tgt Ion:122 Resp: 17441

Ion Ratio Lower Upper

122 100

105 125.4 99.9 139.9

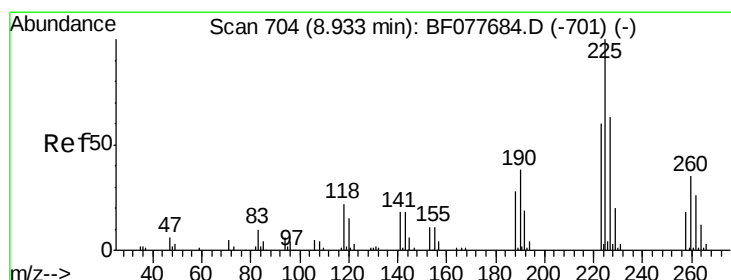
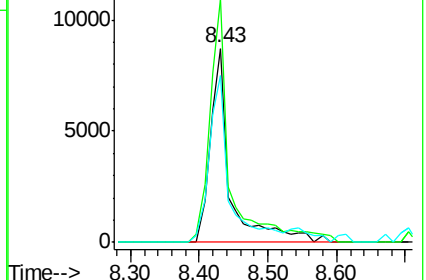
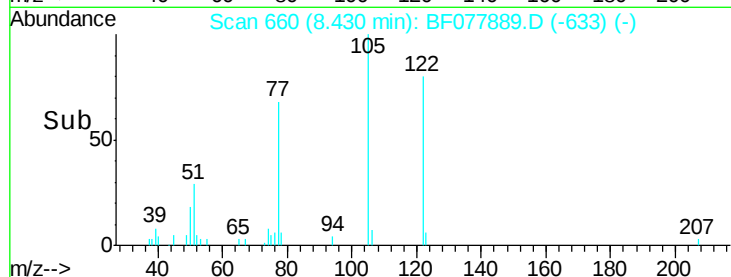
77 85.9 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#34

Hexachlorobutadiene

Concen: 22.36 ng

RT: 8.89 min Scan# 700

Delta R.T. -0.00 min

Lab File: BF077889.D

Acq: 21 Mar 2015 4:32

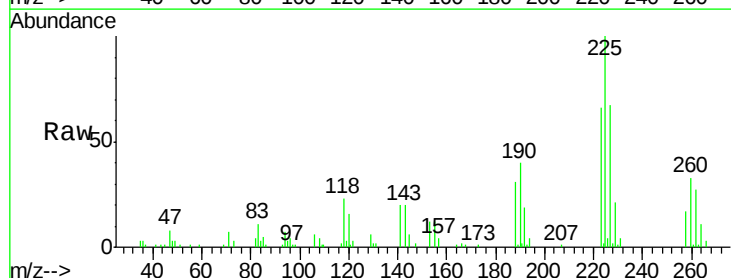
Tgt Ion:225 Resp: 33779

Ion Ratio Lower Upper

225 100

223 66.0 47.9 71.9

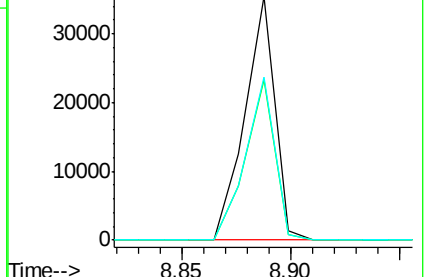
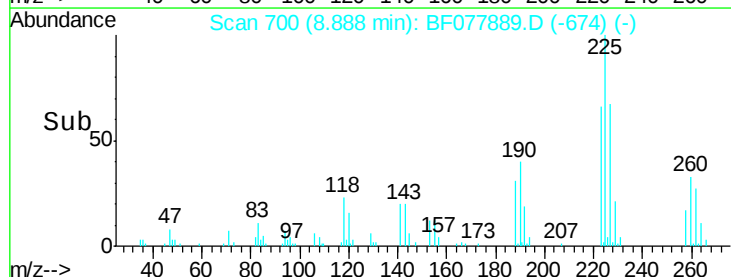
227 66.8 50.1 75.1

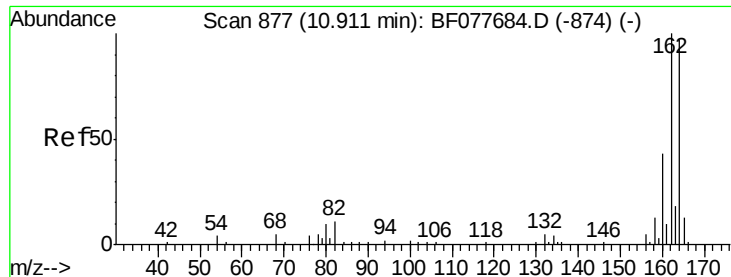


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.88 min Scan# 874

Delta R.T. -0.00 min

Lab File: BF077889.D

Acq: 21 Mar 2015 4:32

Instrument :

BNA_F

ClientSampleId :

DUP-031715

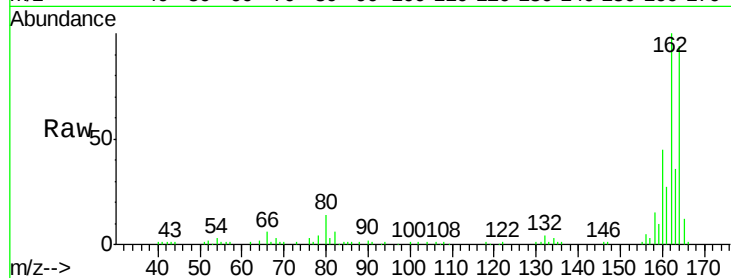
Tgt Ion:164 Resp: 85947

Ion Ratio Lower Upper

164 100

162 106.3 82.4 123.6

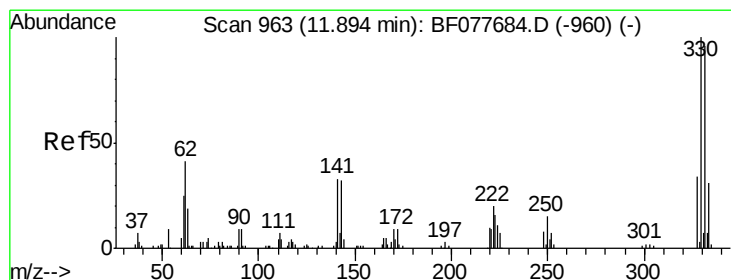
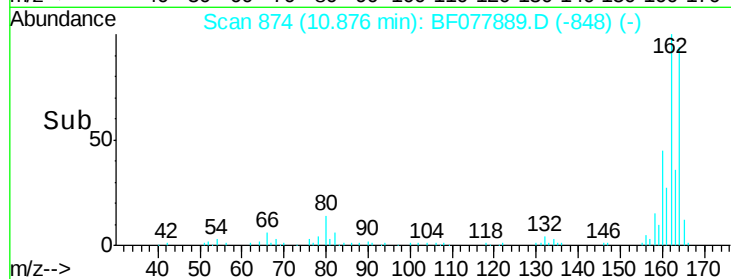
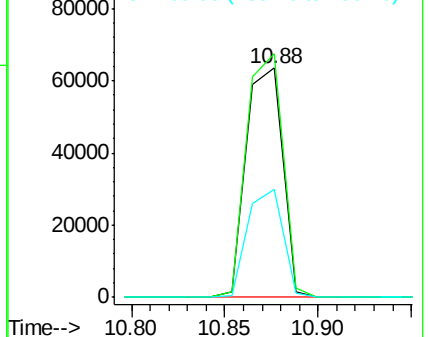
160 47.4 35.8 53.6



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: 68.69 ng

RT: 11.85 min Scan# 959

Delta R.T. -0.00 min

Lab File: BF077889.D

Acq: 21 Mar 2015 4:32

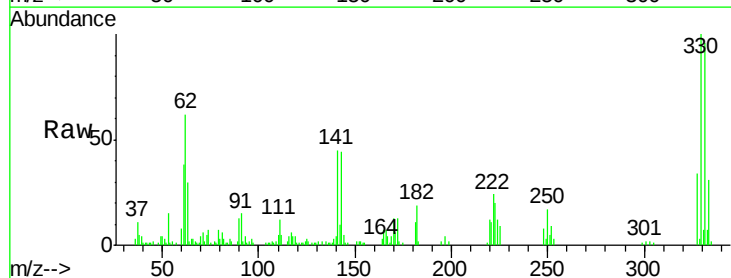
Tgt Ion:330 Resp: 56482

Ion Ratio Lower Upper

330 100

332 95.6 0.0 0.0#

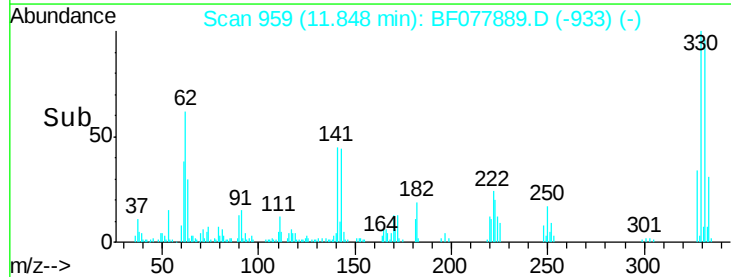
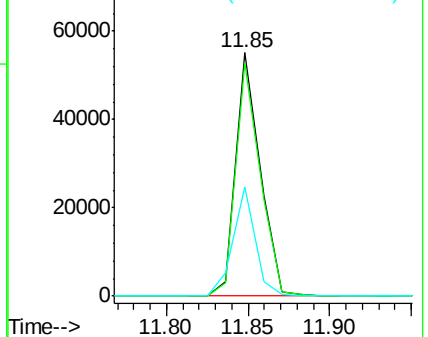
141 40.9 0.0 0.0#

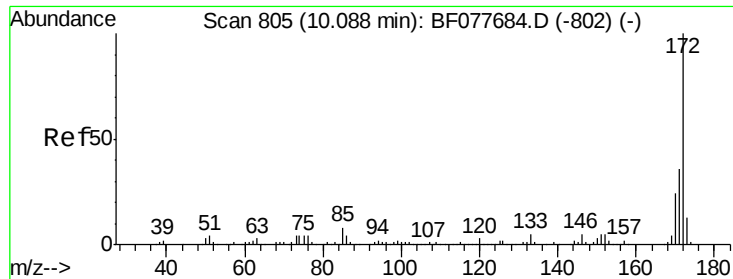


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

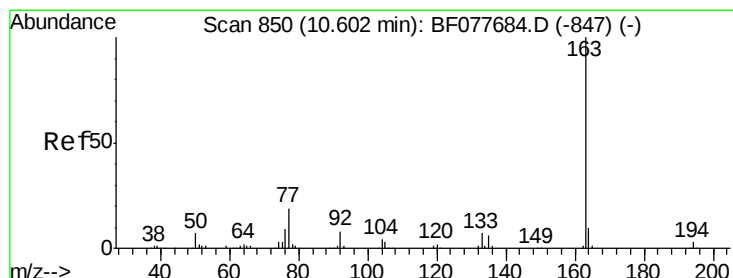
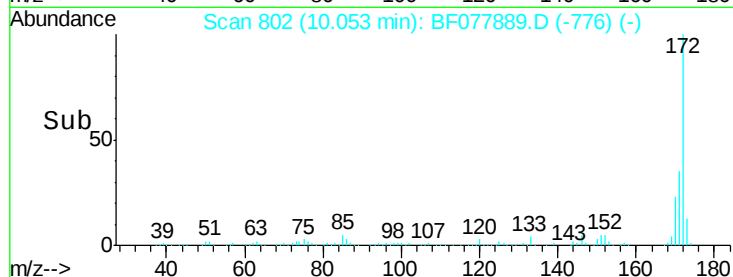
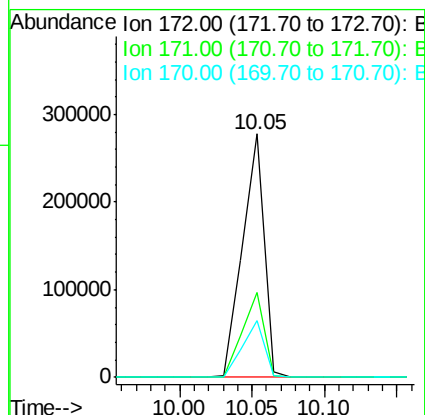
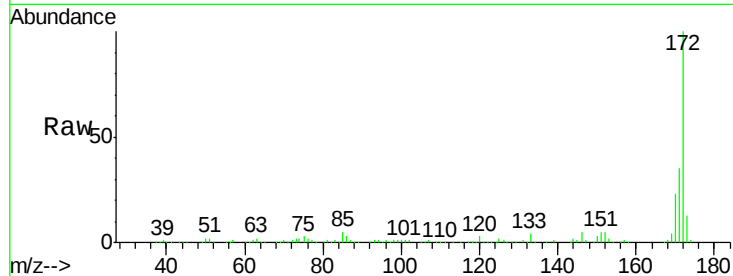




#44
2-Fluorobiphenyl
Concen: 49.22 ng
RT: 10.05 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF077889.D
Acq: 21 Mar 2015 4:32

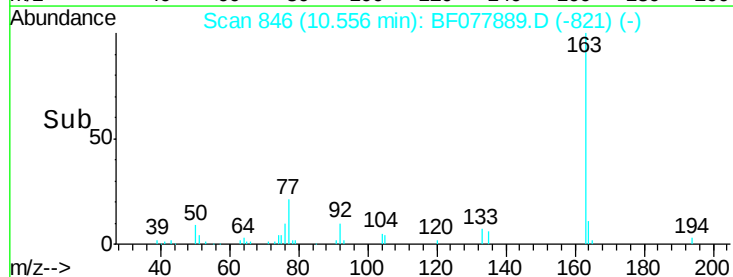
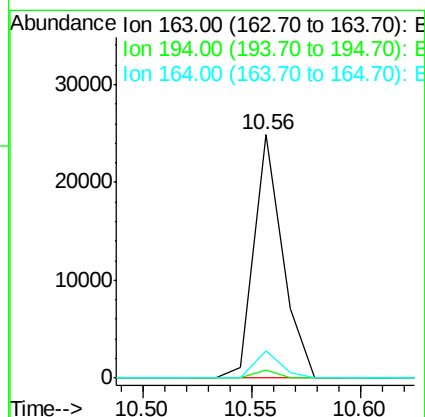
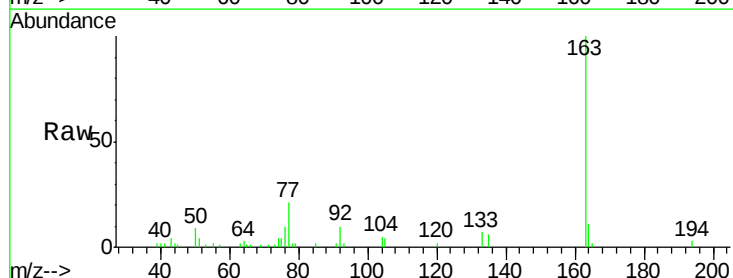
Instrument :
BNA_F
ClientSampleId :
DUP-031715

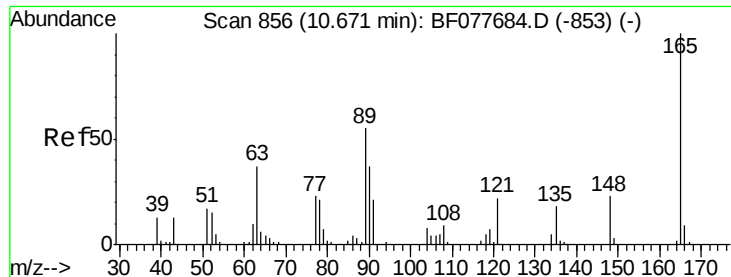
Tgt Ion:172 Resp: 287855
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.2 18.8 28.2



#49
Dimethylphthalate
Concen: 3.57 ng
RT: 10.56 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF077889.D
Acq: 21 Mar 2015 4:32

Tgt Ion:163 Resp: 22739
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 11.0 8.2 12.2

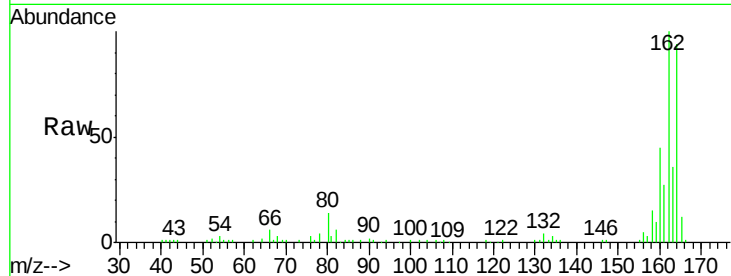




#50
 2,6-Dinitrotoluene
 Concen: 8.21 ng
 RT: 10.88 min Scan# 874
 Delta R.T. 0.24 min
 Lab File: BF077889.D
 Acq: 21 Mar 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DUP-031715

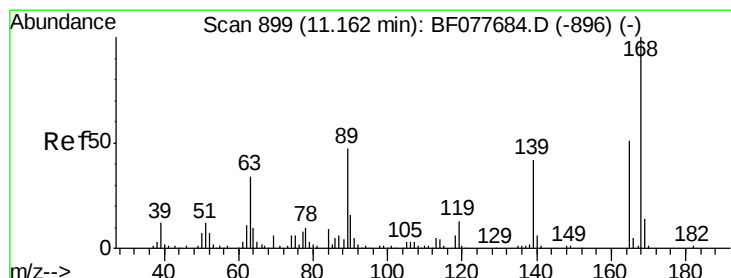
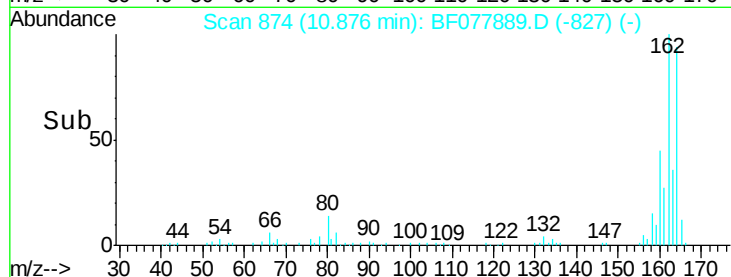
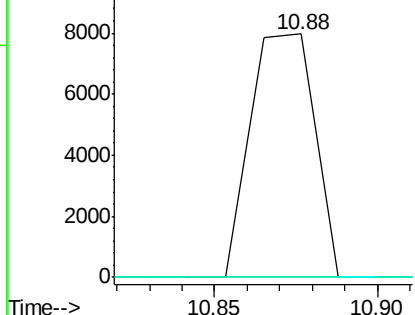
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.1	66.1#
89	0.0	44.3	66.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.29 ng
 RT: 10.88 min Scan# 874
 Delta R.T. -0.25 min
 Lab File: BF077889.D
 Acq: 21 Mar 2015 4:32

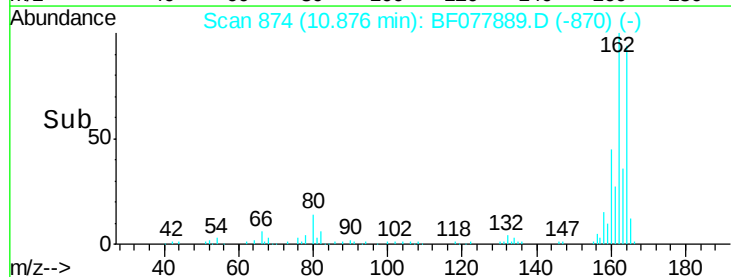
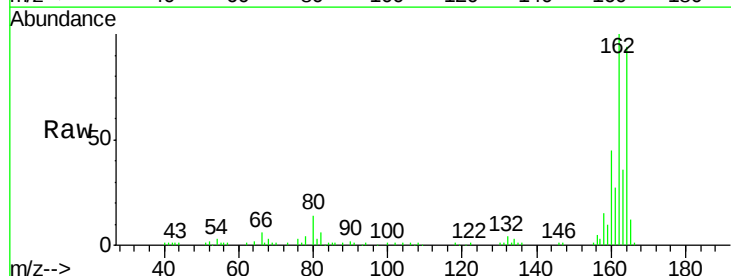
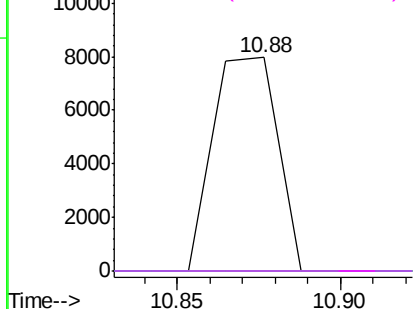
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.4	78.6#
89	0.0	72.4	108.6#
182	0.0	2.0	3.0#

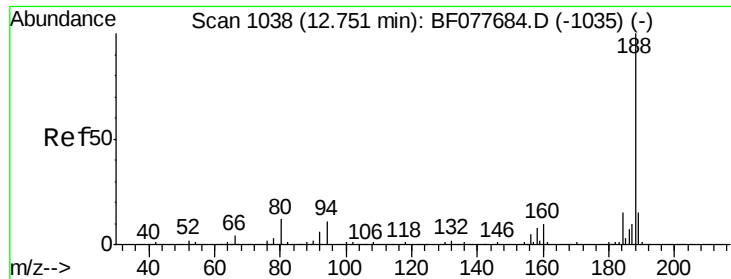
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

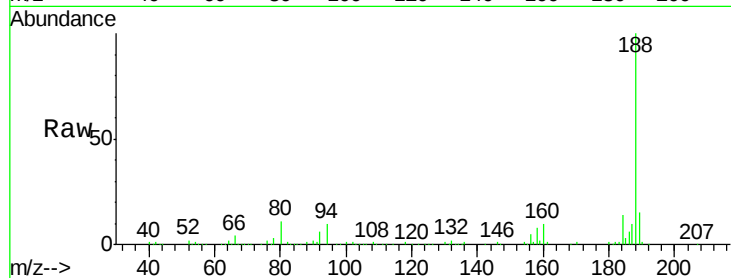




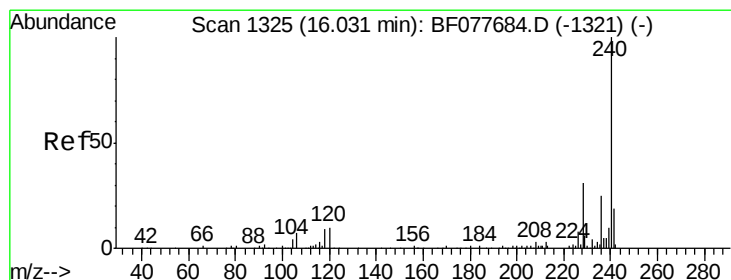
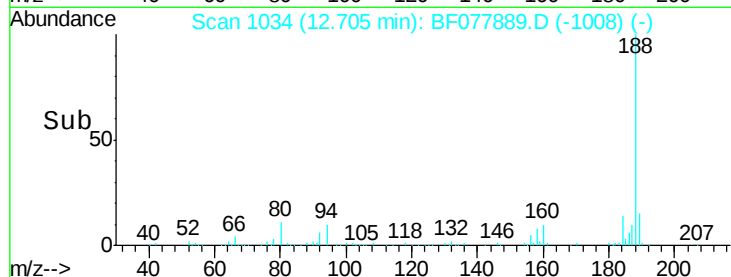
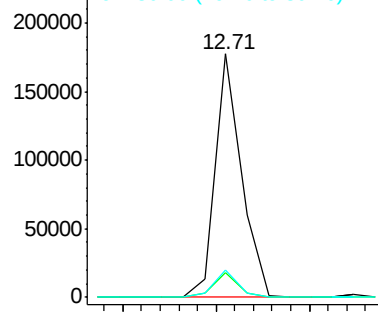
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.71 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF077889.D
Acq: 21 Mar 2015 4:32

Instrument :
BNA_F
ClientSampleId :
DUP-031715

Tgt Ion:188 Resp: 173366
Ion Ratio Lower Upper
188 100
94 10.1 8.7 13.1
80 11.0 9.3 13.9

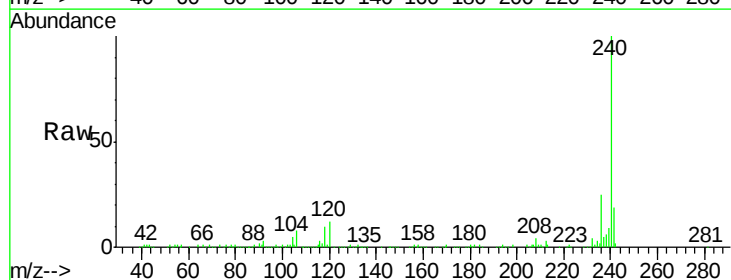


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

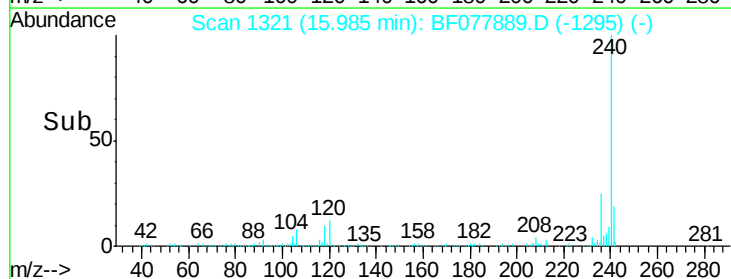
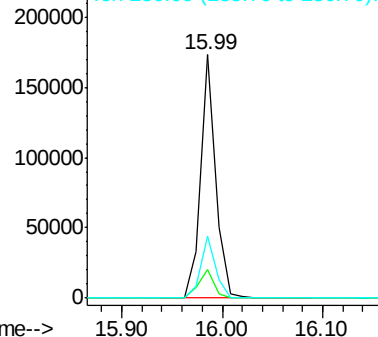


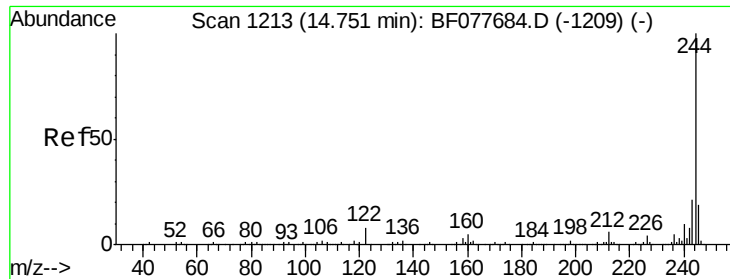
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.99 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BF077889.D
Acq: 21 Mar 2015 4:32

Tgt Ion:240 Resp: 180475
Ion Ratio Lower Upper
240 100
120 11.9 8.2 12.2
236 25.3 20.0 30.0



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

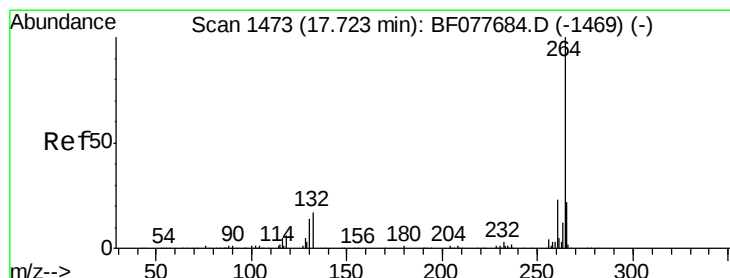
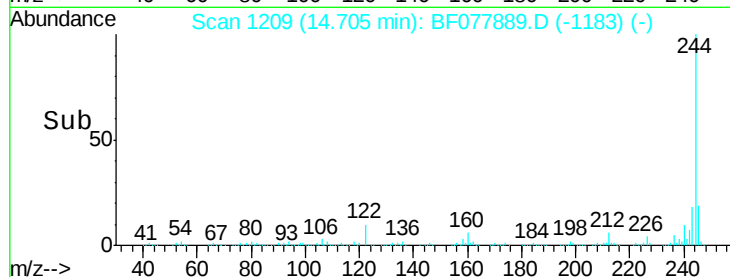
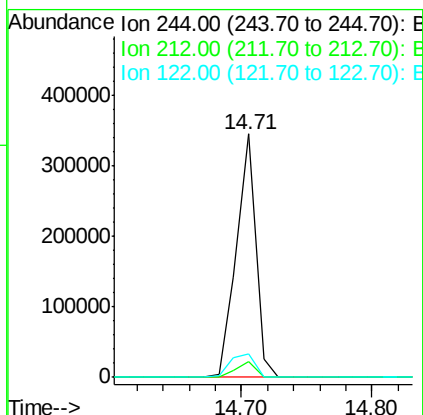
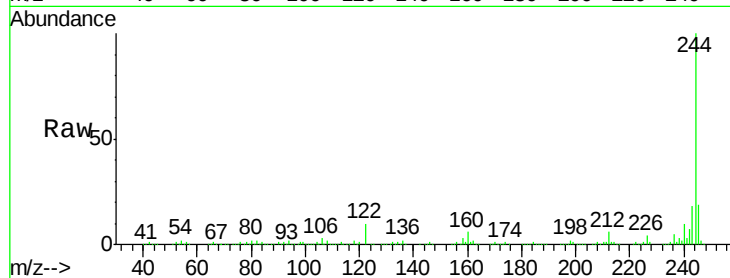




#78
 Terphenyl-d14
 Concen: 48.16 ng
 RT: 14.71 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF077889.D
 Acq: 21 Mar 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 DUP-031715

Tgt Ion: 244 Resp: 355855
 Ion Ratio Lower Upper
 244 100
 212 6.3 4.9 7.3
 122 9.7 6.2 9.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.71 min Scan# 1472
 Delta R.T. 0.01 min
 Lab File: BF077889.D
 Acq: 21 Mar 2015 4:32

Tgt Ion: 264 Resp: 173314
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.6 27.8
 265 21.9 17.3 25.9

