

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
 Data File : BF082098.D
 Acq On : 6 Oct 2015 22:14
 Operator : UM/IZ
 Sample : G3626-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-23(10-12)

Quant Time: Oct 07 02:08:10 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 02:00:35 2015
 Response via : Initial Calibration

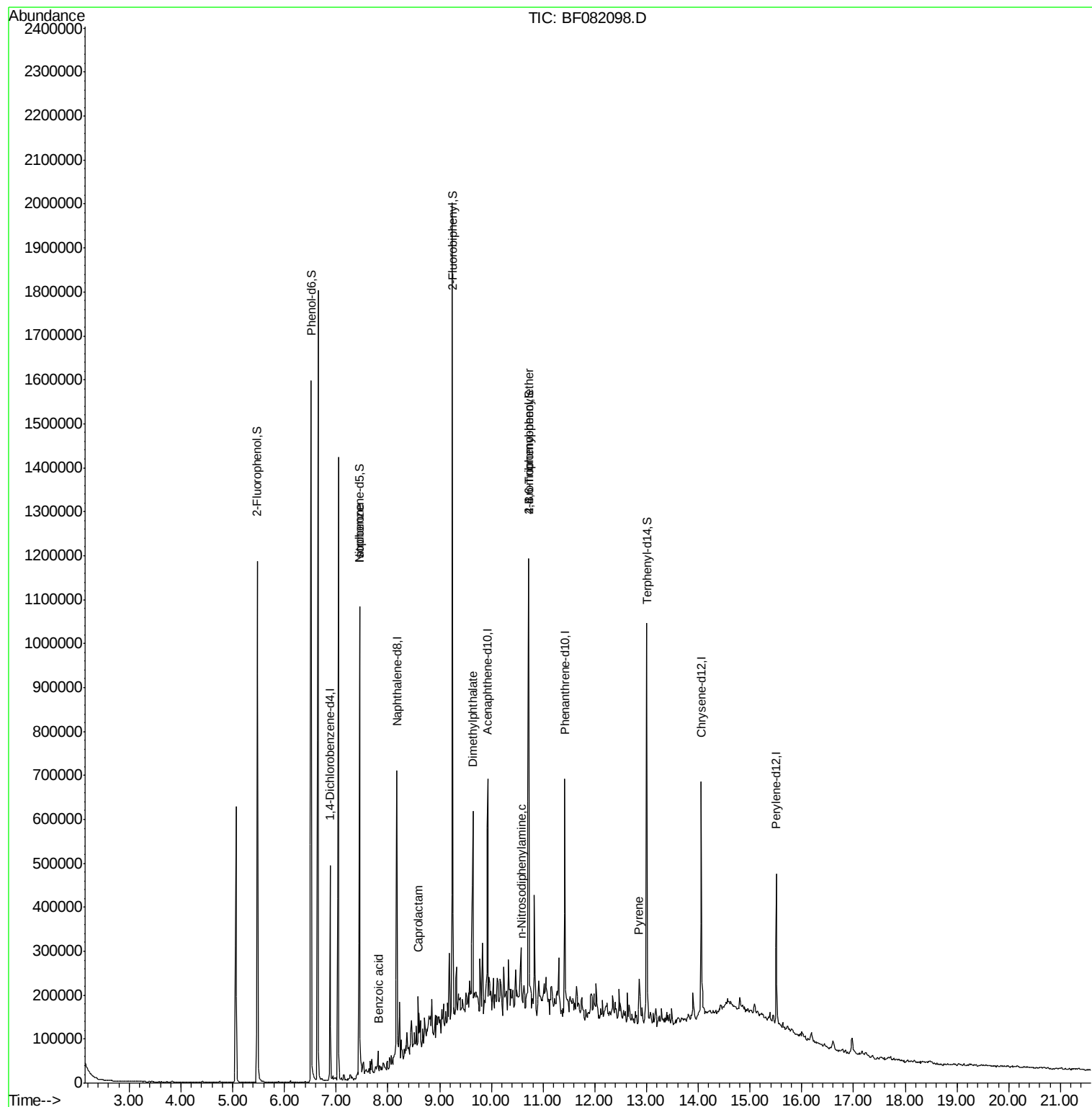
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	79396	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	312780	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	146545	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	248508	20.00	ng	0.00
75) Chrysene-d12	14.06	240	226996	20.00	ng	-0.01
86) Perylene-d12	15.51	264	178230	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	475725	108.77	ng	0.00
7) Phenol-d6	6.51	99	609112	110.68	ng	0.00
23) Nitrobenzene-d5	7.45	82	392656	83.68	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	145734	98.19	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	580172	62.99	ng	0.00
78) Terphenyl-d14	13.01	244	469780	62.03	ng	0.00
Target Compounds						
25) Isophorone	7.45	82	299702	32.23	ng	# 59
32) Benzoic acid	7.82	122	305	7.44	ng	# 48
35) Caprolactam	8.58	113	3458	2.99	ng	# 1
49) Dimethylphthalate	9.65	163	140557	13.90	ng	# 98
53) 2,4-Dinitrophenol	10.21	184	1051	Below Cal	#	77
57) Fluorene	10.47	166	5997	Below Cal	#	54
65) n-Nitrosodiphenylamine	10.58	169	16747	2.23	ng	# 54
66) 4-Bromophenyl-phenylether	10.72	248	9828	3.92	ng	# 1
70) Phenanthrene	11.44	178	18769	Below Cal	#	83
77) Pyrene	12.86	202	41003	3.02	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF082098.D

Acq: 6 Oct 2015 22:14

Instrument :

BNA_F

ClientSampleId :

OS-SB-23(10-12)

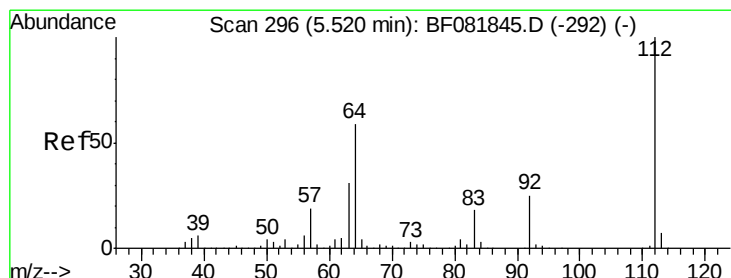
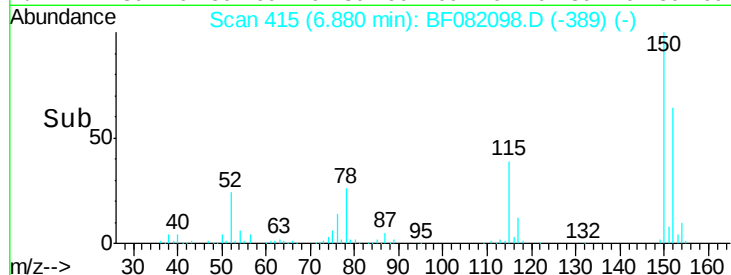
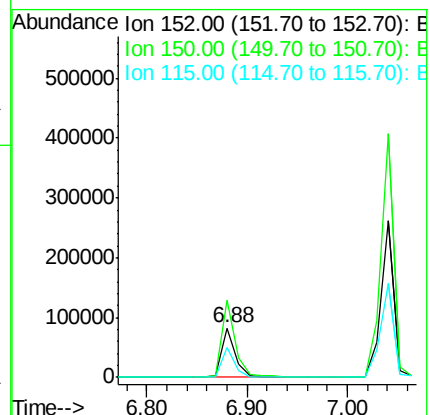
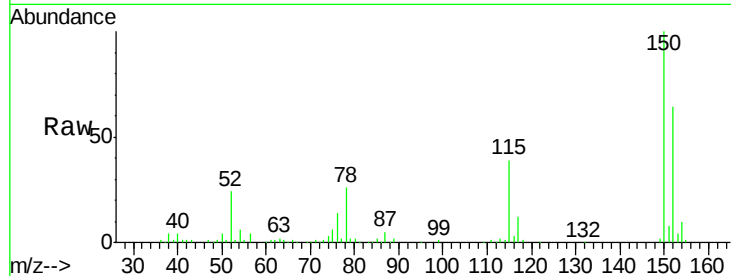
Tot Ion:152 Resp: 79396

Ion Ratio Lower Upper

152 100

150 156.0 124.7 187.1

115 61.1 39.0 58.4#



#5

2-Fluorophenol

Concen: 108.77 ng

RT: 5.47 min Scan# 292

Delta R.T. -0.00 min

Lab File: BF082098.D

Acq: 6 Oct 2015 22:14

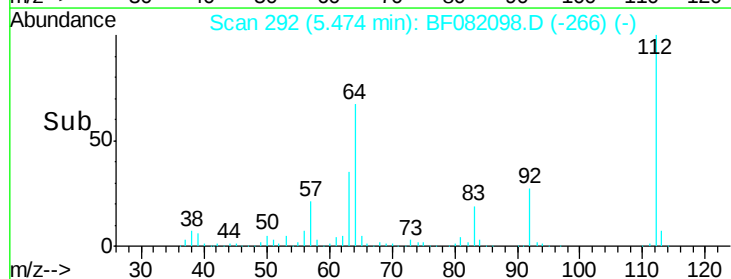
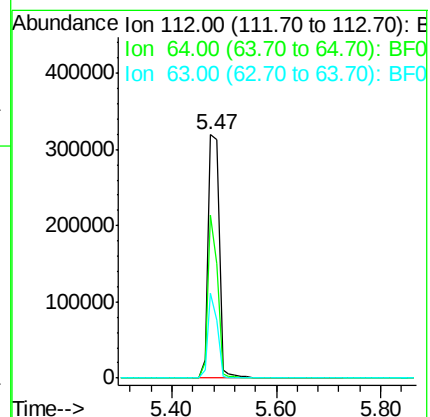
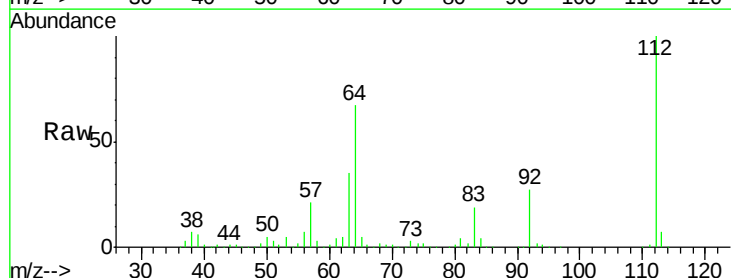
Tgt Ion:112 Resp: 475725

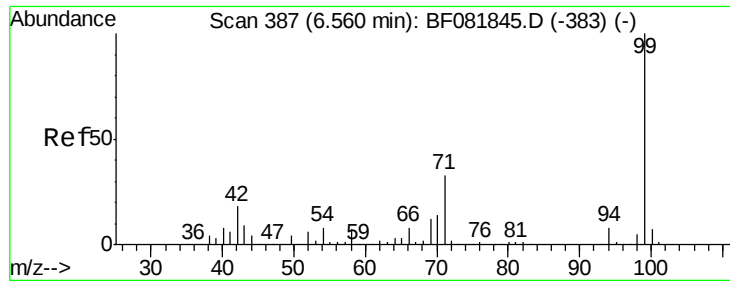
Ion Ratio Lower Upper

112 100

64 67.2 39.7 59.5#

63 35.0 17.4 26.0#





#7

Phenol-d6

Concen: 110.68 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF082098.D

Acq: 6 Oct 2015 22:14

Instrument :

BNA_F

ClientSampleId :

OS-SB-23(10-12)

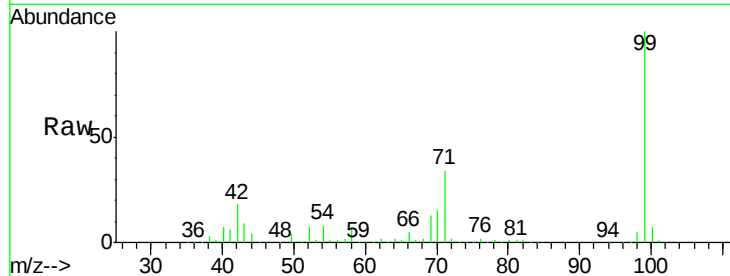
Tot Ion: 99 Resp: 609112

Ion Ratio Lower Upper

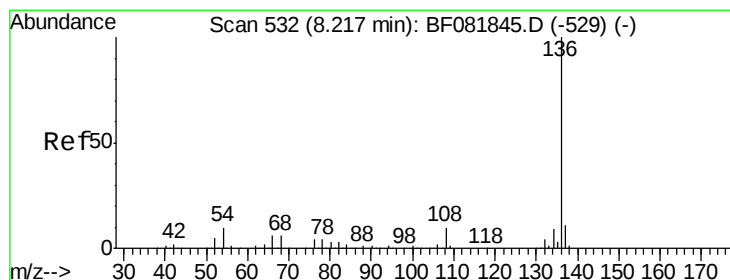
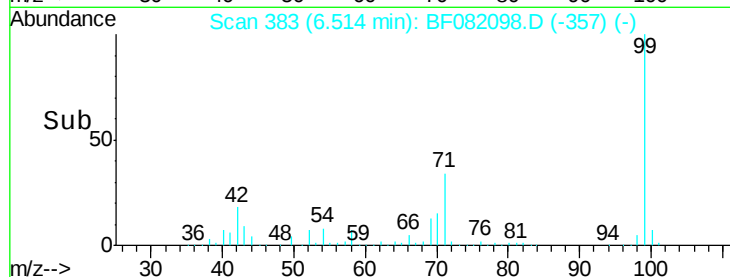
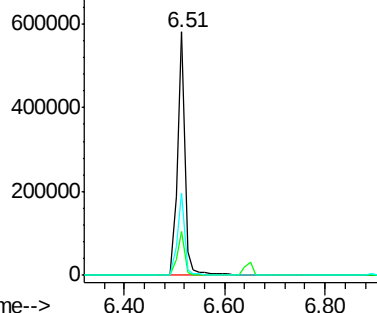
99 100

42 17.9 13.7 20.5

71 33.9 14.2 21.2#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF082098.D

Acq: 6 Oct 2015 22:14

Tgt Ion: 136 Resp: 312780

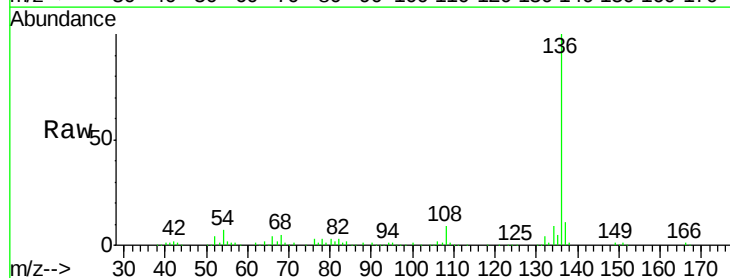
Ion Ratio Lower Upper

136 100

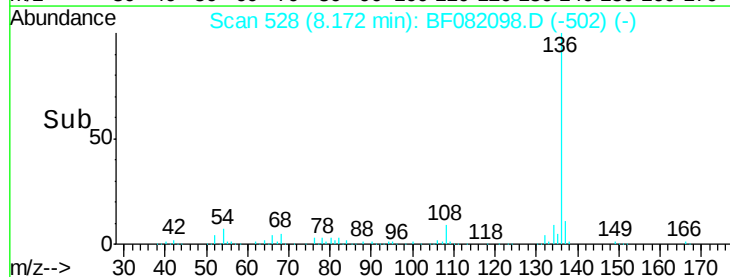
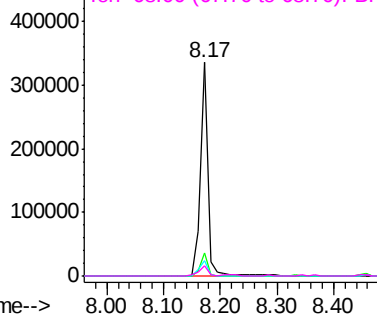
137 11.0 9.0 13.6

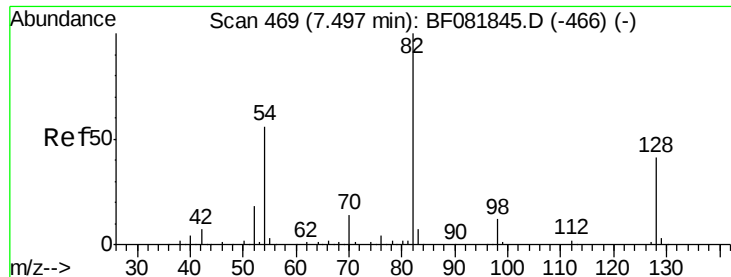
54 6.9 8.2 12.2#

68 4.7 5.8 8.6#



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

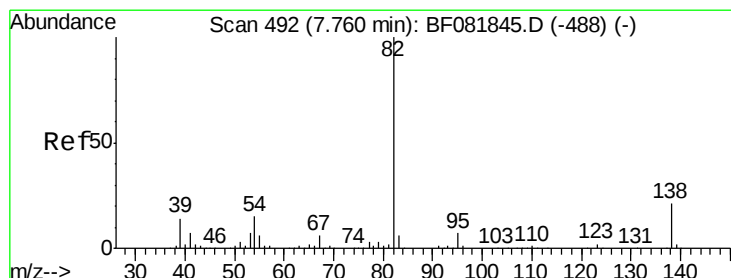
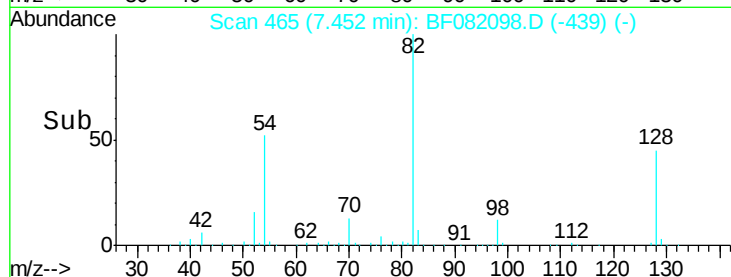
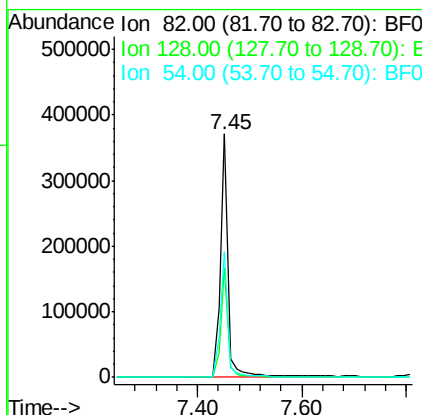
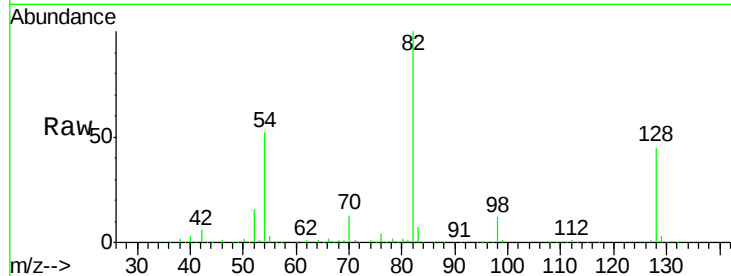




#23
 Nitrobenzene-d5
 Concen: 83.68 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: BF082098.D
 Acq: 6 Oct 2015 22:14

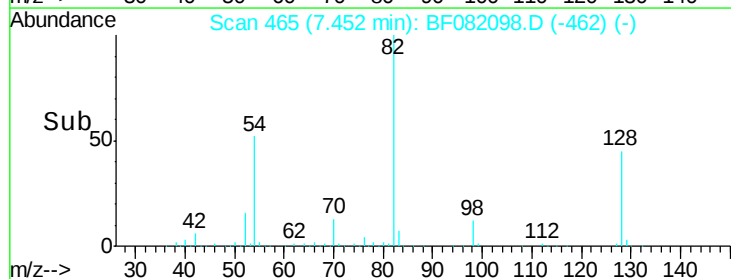
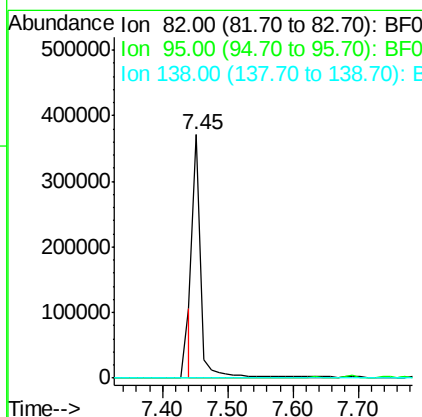
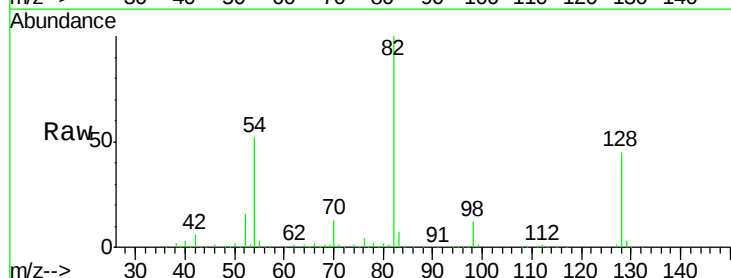
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-23(10-12)

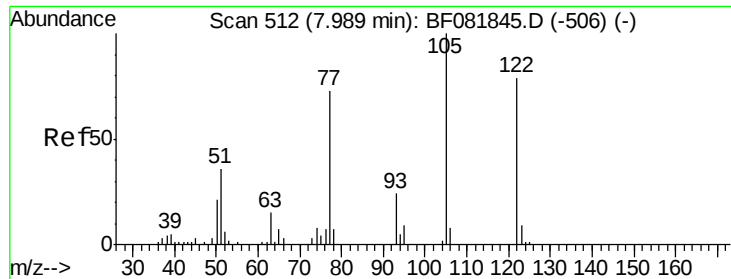
Tot Ion: 82 Resp: 392656
 Ion Ratio Lower Upper
 82 100
 128 44.6 51.0 76.6#
 54 51.8 47.5 71.3



#25
 Isophorone
 Concen: 32.23 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.26 min
 Lab File: BF082098.D
 Acq: 6 Oct 2015 22:14

Tgt Ion: 82 Resp: 299702
 Ion Ratio Lower Upper
 82 100
 95 0.2 4.0 6.0#
 138 0.0 18.3 27.5#

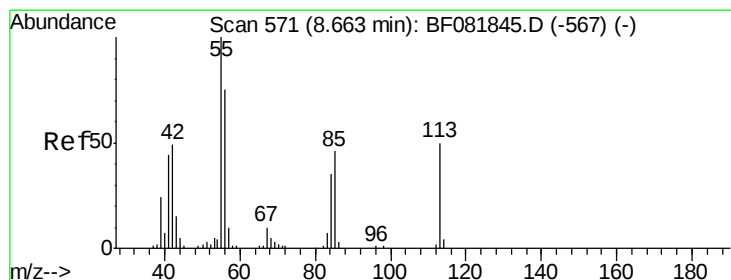
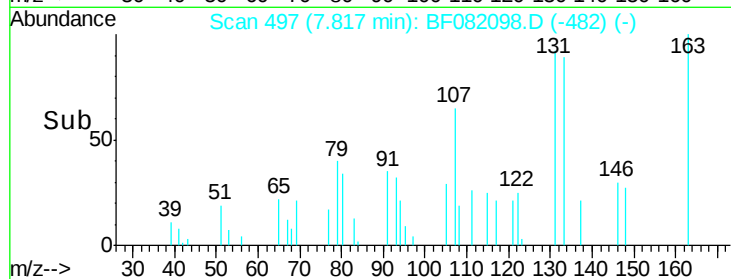
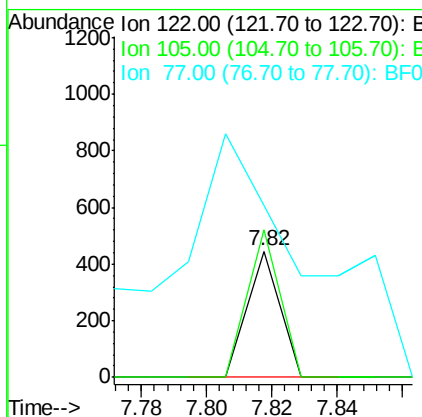
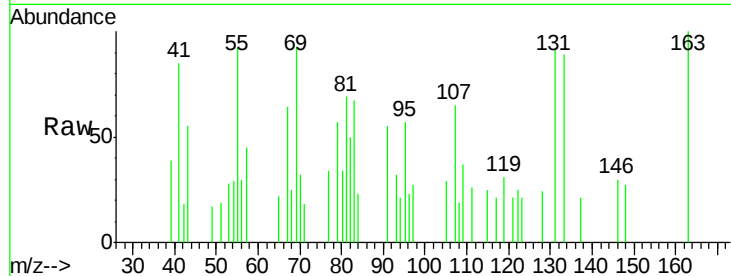




#32
Benzoic acid
Concen: 7.44 ng
RT: 7.82 min Scan# 497
Delta R.T. -0.13 min
Lab File: BF082098.D
Acq: 6 Oct 2015 22:14

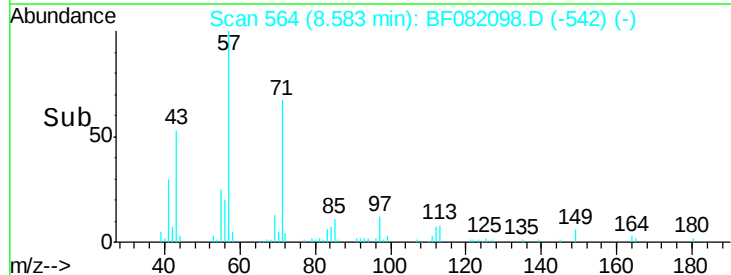
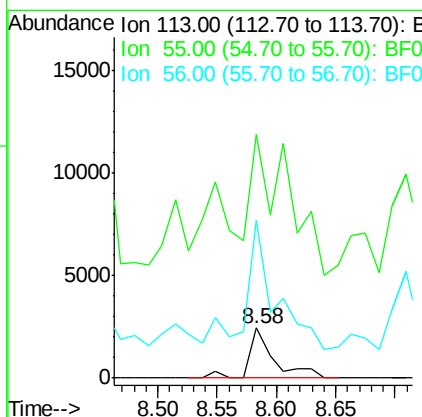
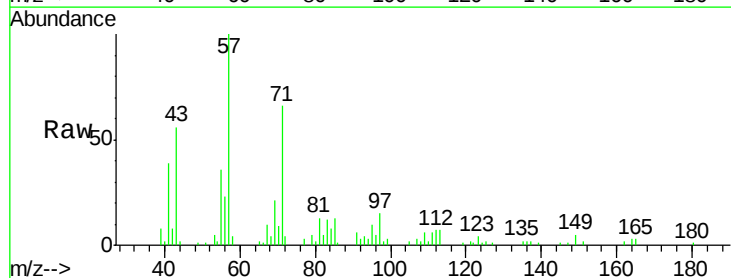
Instrument :
BNA_F
ClientSampleId :
OS-SB-23(10-12)

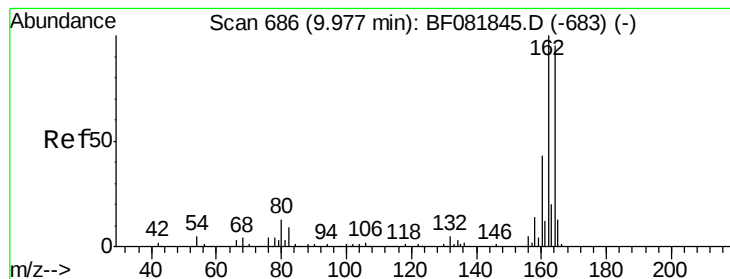
Tot Ion:122 Resp: 305
Ion Ratio Lower Upper
122 100
105 116.9 76.1 116.1#
77 136.4 40.5 80.5#



#35
Caprolactam
Concen: 2.99 ng
RT: 8.58 min Scan# 564
Delta R.T. -0.05 min
Lab File: BF082098.D
Acq: 6 Oct 2015 22:14

Tgt Ion:113 Resp: 3458
Ion Ratio Lower Upper
113 100
55 488.5 152.4 192.4#
56 316.6 104.6 144.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF082098.D

Acq: 6 Oct 2015 22:14

Instrument :

BNA_F

ClientSampleId :

OS-SB-23(10-12)

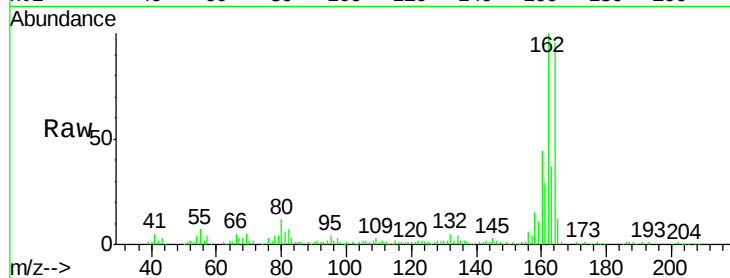
Tot Ion:164 Resp: 146545

Ion Ratio Lower Upper

164 100

162 104.7 75.2 112.8

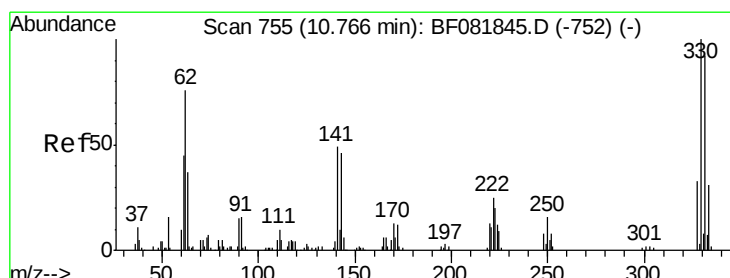
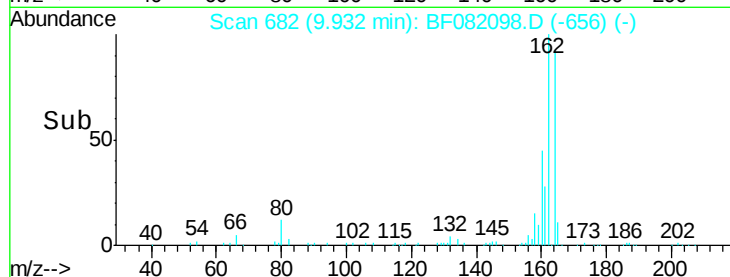
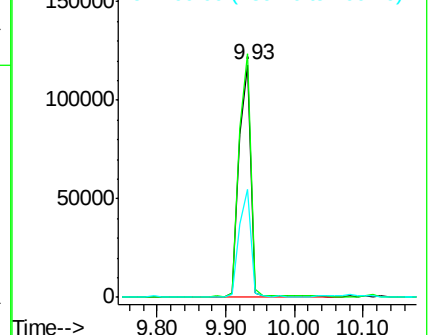
160 46.4 31.5 47.3



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: 98.19 ng

RT: 10.72 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF082098.D

Acq: 6 Oct 2015 22:14

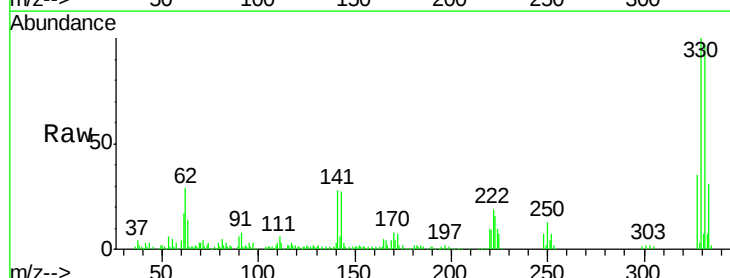
Tgt Ion:330 Resp: 145734

Ion Ratio Lower Upper

330 100

332 97.4 76.6 114.8

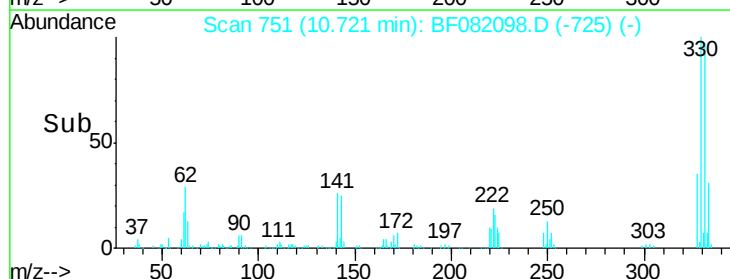
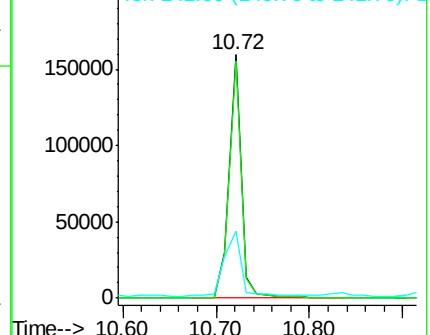
141 36.0 29.7 44.5

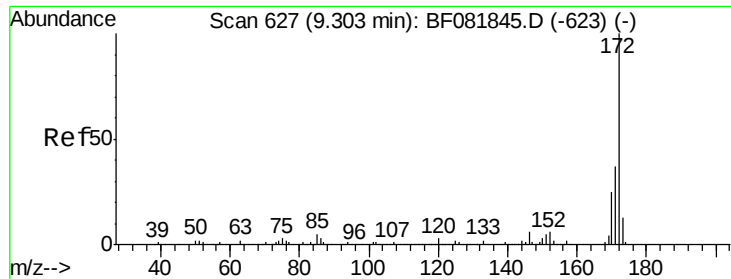


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

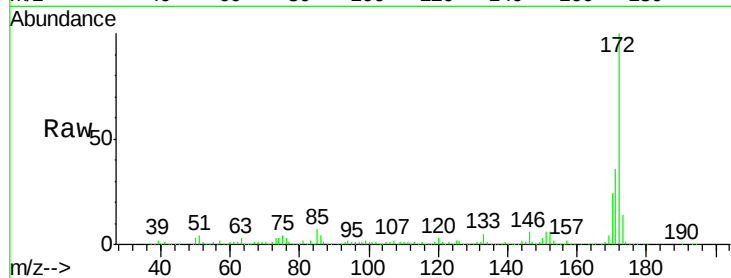




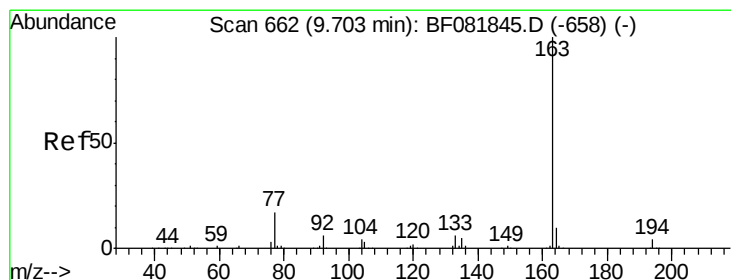
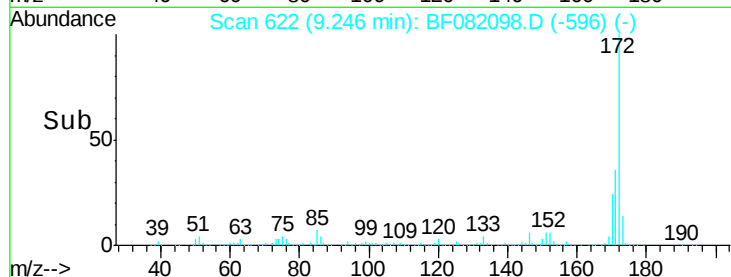
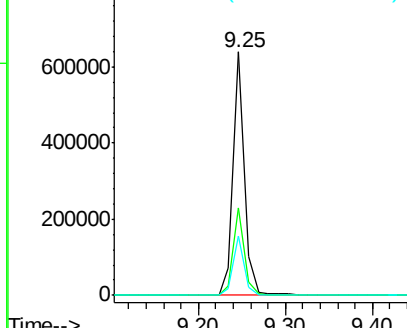
#44
2-Fluorobiphenyl
Concen: 62.99 ng
RT: 9.25 min Scan# 622
Delta R.T. -0.00 min
Lab File: BF082098.D
Acq: 6 Oct 2015 22:14

Instrument :
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ClientSampleId :
OS-SB-23(10-12)

Tot Ion:172 Resp: 580172
Ion Ratio Lower Upper
172 100
171 36.1 26.1 39.1
170 24.5 17.4 26.2

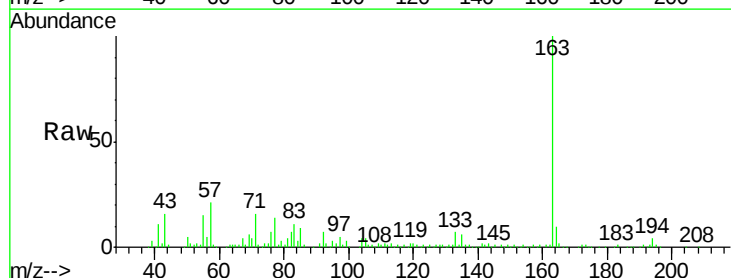


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

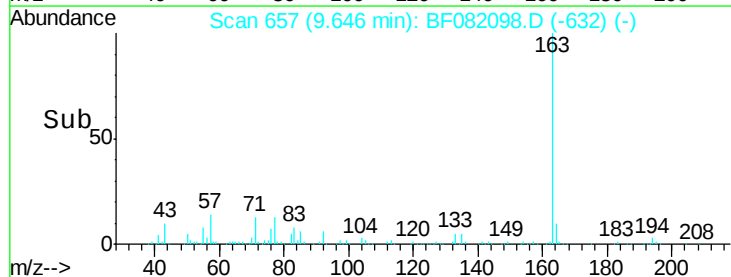
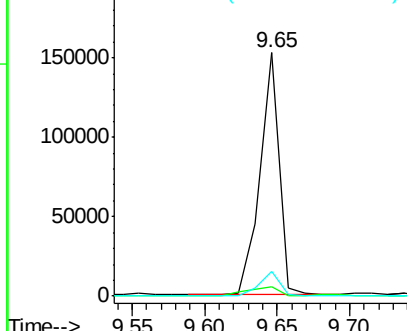


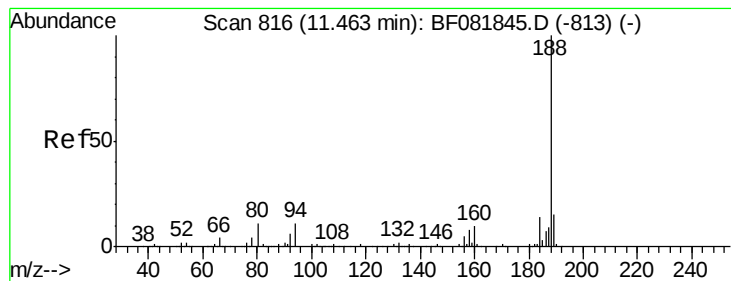
#49
Dimethylphthalate
Concen: 13.90 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF082098.D
Acq: 6 Oct 2015 22:14

Tgt Ion:163 Resp: 140557
Ion Ratio Lower Upper
163 100
194 4.0 4.4 6.6#
164 10.0 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF082098.D

Acq: 6 Oct 2015 22:14

Instrument :

BNA_F

ClientSampleId :

OS-SB-23(10-12)

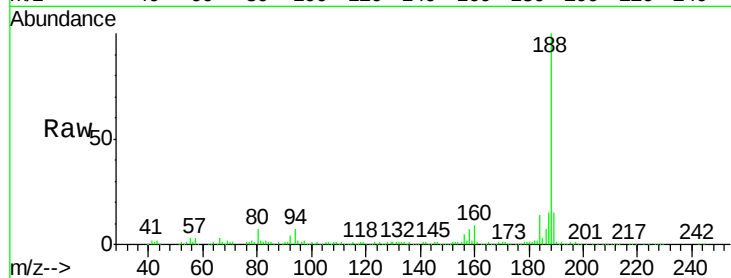
Tot Ion:188 Resp: 248508

Ion Ratio Lower Upper

188 100

94 6.6 11.1 16.7#

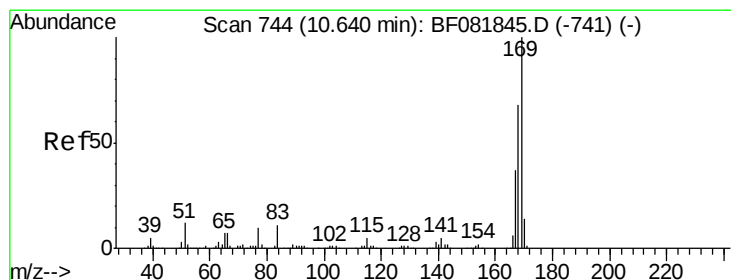
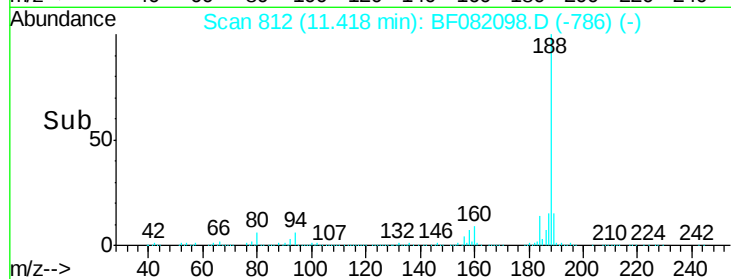
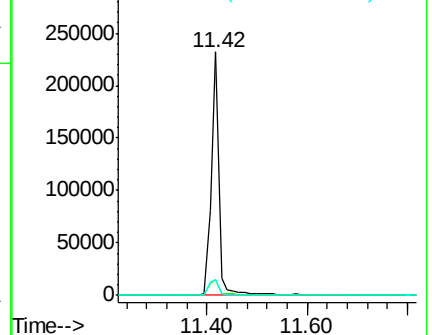
80 6.5 11.0 16.4#



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: 2.23 ng

RT: 10.58 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF082098.D

Acq: 6 Oct 2015 22:14

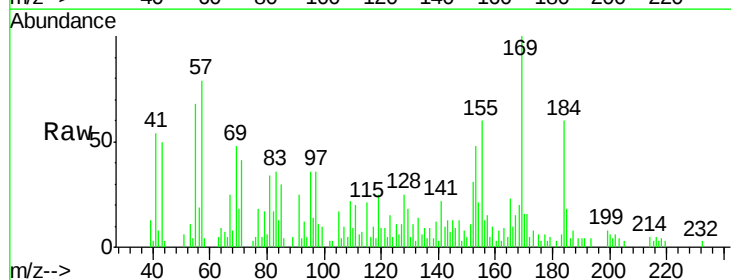
Tgt Ion:169 Resp: 16747

Ion Ratio Lower Upper

169 100

168 20.4 48.9 73.3#

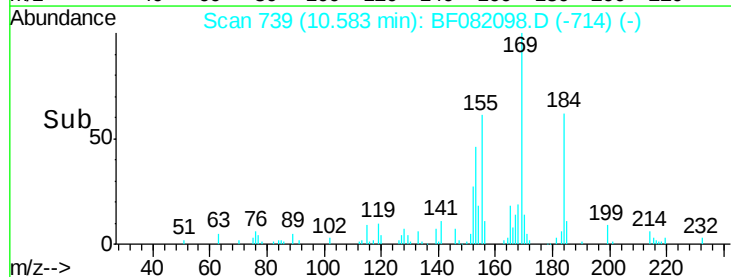
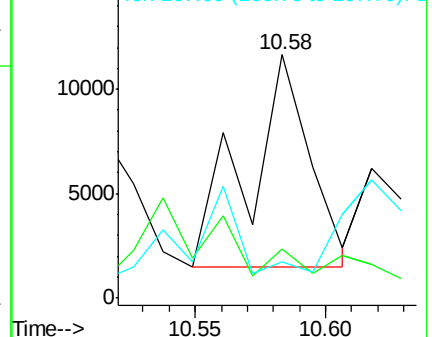
167 14.9 26.2 39.4#

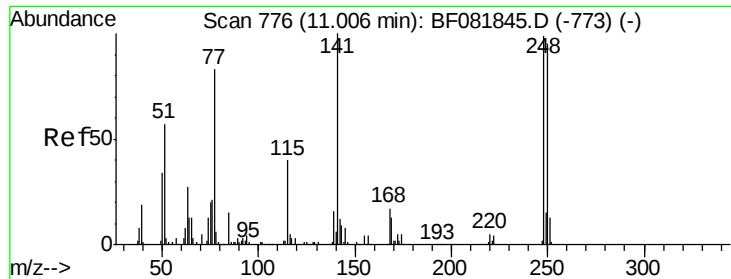


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

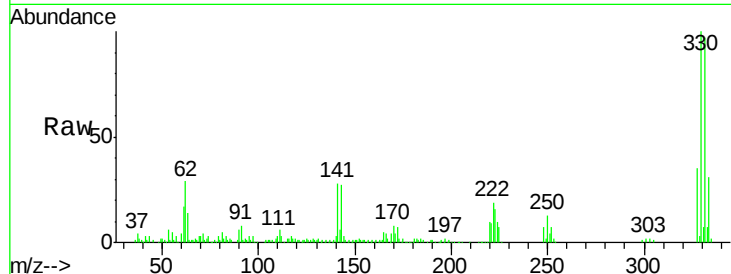




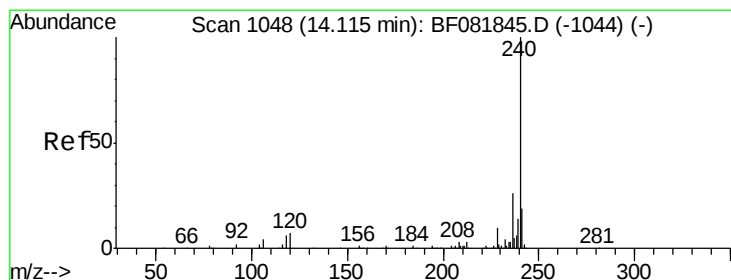
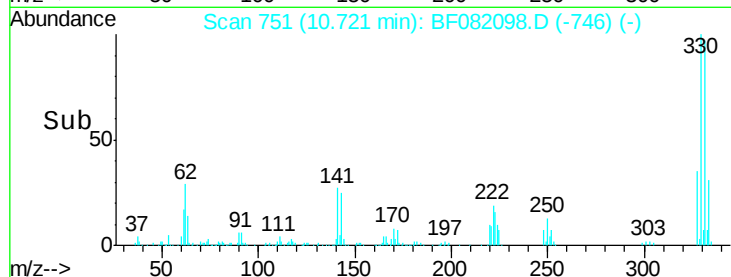
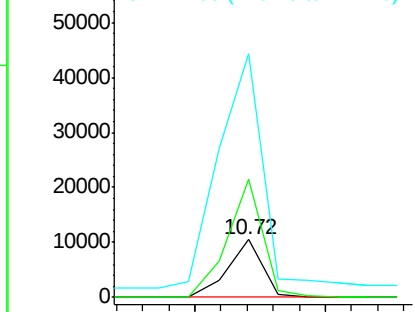
#66
4-Bromophenyl-phenylether
Concen: 3.92 ng
RT: 10.72 min Scan# 751
Delta R.T. -0.24 min
Lab File: BF082098.D
Acq: 6 Oct 2015 22:14

Instrument :
BNA_F
ClientSampleId :
OS-SB-23(10-12)

Tot Ion:248 Resp: 9828
Ion Ratio Lower Upper
248 100
250 204.0 78.5 117.7#
141 420.6 59.0 88.6#

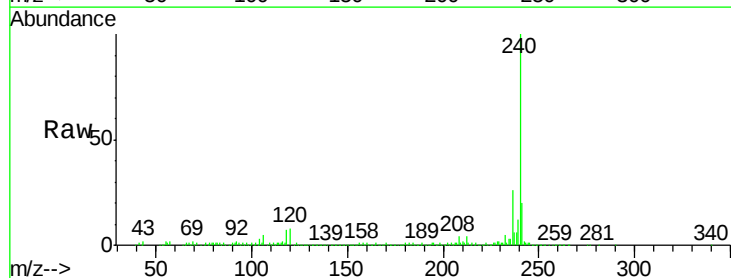


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

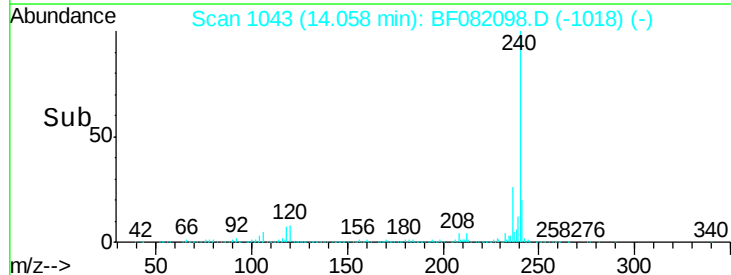
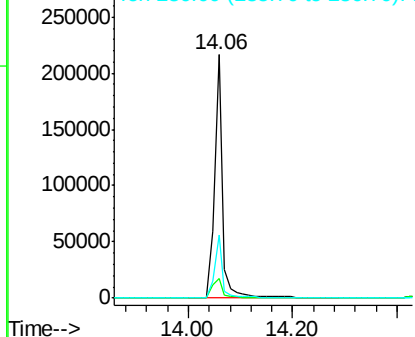


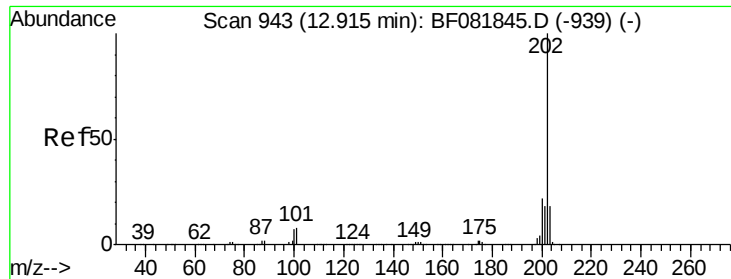
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF082098.D
Acq: 6 Oct 2015 22:14

Tgt Ion:240 Resp: 226996
Ion Ratio Lower Upper
240 100
120 8.0 16.2 24.2#
236 25.9 18.4 27.6



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





#77

Pvrene

Concen: 3.02 ng

RT: 12.86 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF082098.D

Acq: 6 Oct 2015 22:14

Instrument :

BNA_F

ClientSampleId :

OS-SB-23(10-12)

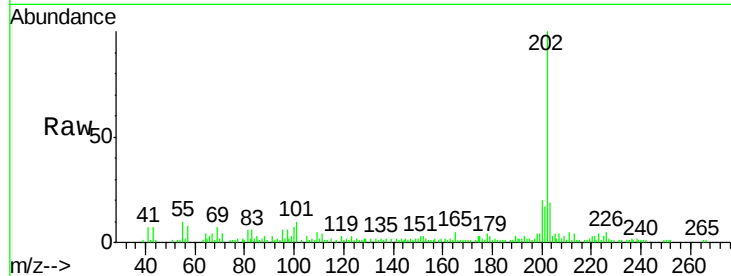
Tot Ion:202 Resp: 41003

Ion Ratio Lower Upper

202 100

200 19.8 15.0 22.4

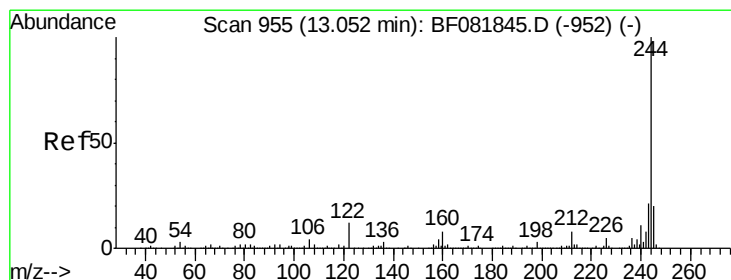
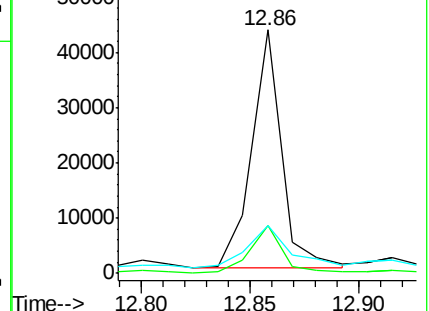
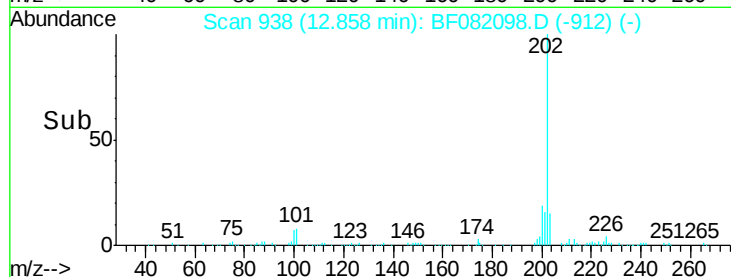
203 19.4 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 62.03 ng

RT: 13.01 min Scan# 951

Delta R.T. -0.00 min

Lab File: BF082098.D

Acq: 6 Oct 2015 22:14

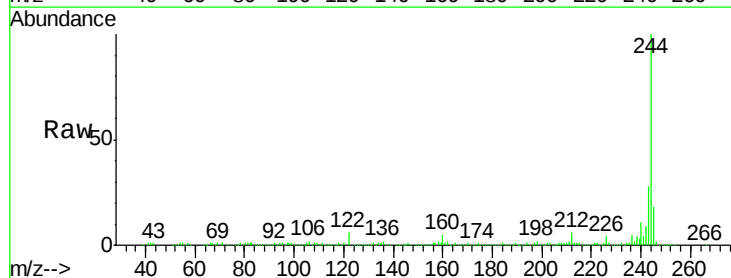
Tgt Ion:244 Resp: 469780

Ion Ratio Lower Upper

244 100

212 6.2 4.3 6.5

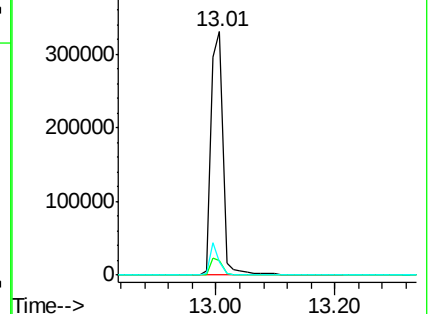
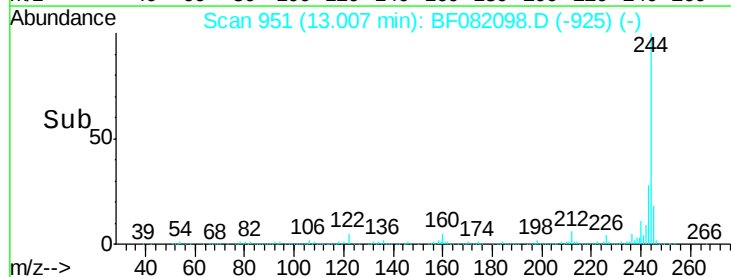
122 5.5 17.4 26.2#

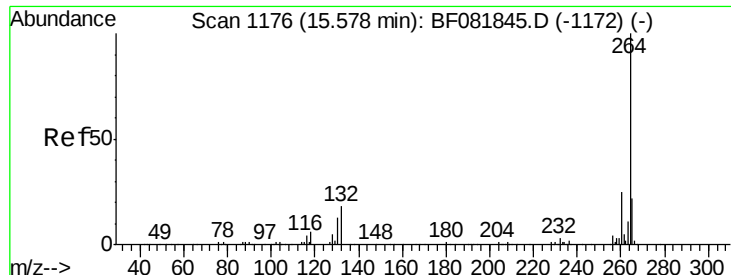


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

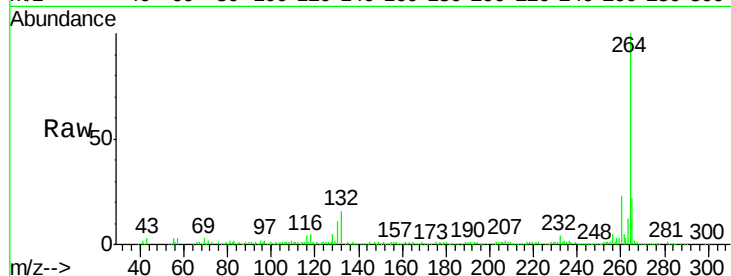




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF082098.D
Acq: 6 Oct 2015 22:14

Instrument :
BNA_F
ClientSampleId :
OS-SB-23(10-12)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	16.7	25.1
265	22.1	17.2	25.8



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

