

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
 Data File : BF082097.D
 Acq On : 6 Oct 2015 21:44
 Operator : UM/IZ
 Sample : G3928-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(16-18)

Quant Time: Oct 07 02:07:52 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	74583	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	306652	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	133516	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	232921	20.00	ng	0.00
75) Chrysene-d12	14.06	240	207298	20.00	ng	-0.01
86) Perylene-d12	15.51	264	159953	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	609359	148.32	ng	0.01
7) Phenol-d6	6.51	99	762278	147.45	ng	0.00
23) Nitrobenzene-d5	7.45	82	429223	93.30	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	192325	142.23	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	692931	87.30	ng	0.00
78) Terphenyl-d14	13.01	244	659842	112.74	ng	0.00

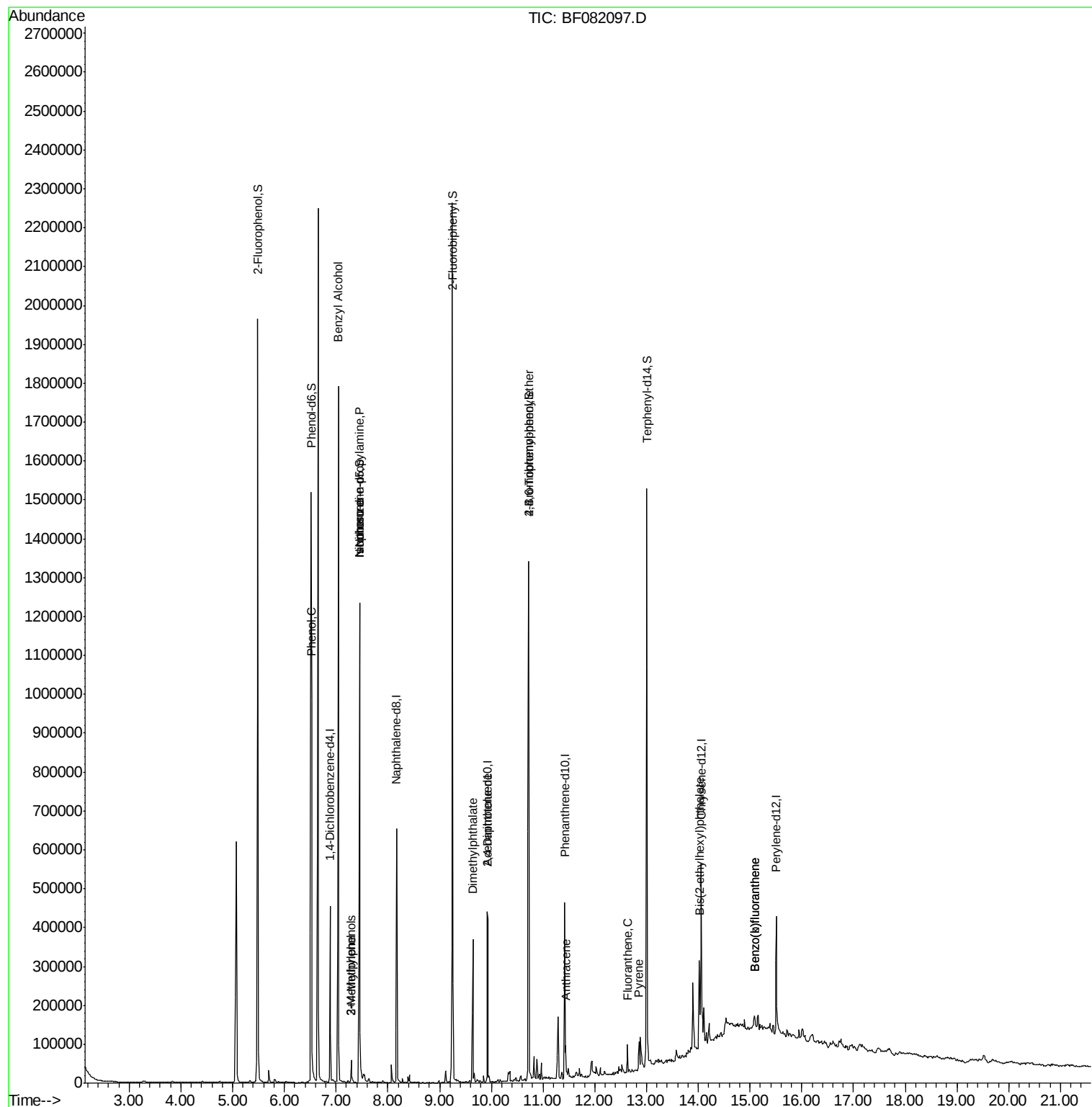
Target Compounds						Qvalue
10) Phenol	6.53	94	26736	4.61	ng	# 1
15) Benzyl Alcohol	7.04	79	7693	2.06	ng	# 33
17) 2-Methylphenol	7.29	107	17240	4.69	ng	# 65
19) n-Nitroso-di-n-propylamine	7.45	70	59251	18.86	ng	# 57
20) 3+4-Methylphenols	7.29	107	18033	3.88	ng	# 77
25) Isophorone	7.45	82	330486	36.25	ng	# 58
49) Dimethylphthalate	9.65	163	190090	20.63	ng	# 96
56) 2,4-Dinitrotoluene	9.92	165	16780	6.58	ng	# 31
57) Fluorene	10.47	166	3578	Below Cal		# 82
66) 4-Bromophenyl-phenylether	10.72	248	12896	5.49	ng	# 1
71) Anthracene	11.44	178	35690	3.01	ng	98
73) Di-n-butylphthalate	11.98	149	7772	Below Cal		# 96
74) Fluoranthene	12.63	202	35846	2.87	ng	86
77) Pyrene	12.86	202	37626	3.04	ng	98
83) Bis(2-ethylhexyl)phthalate	14.02	149	148917	25.48	ng	# 94
87) Benzo(b)fluoranthene	15.09	252	24575	2.69	ng	# 90
88) Benzo(k)fluoranthene	15.09	252	24575	2.94	ng	# 90

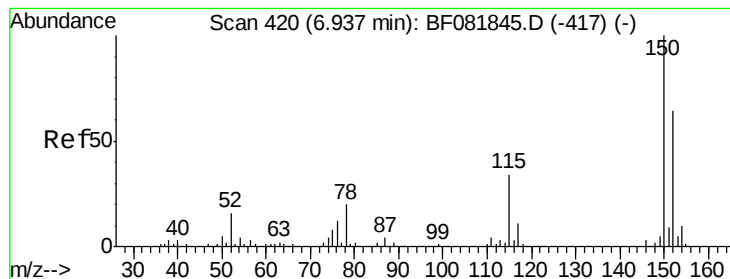
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\
Data File : BF082097.D
Acq On : 6 Oct 2015 21:44
Operator : UM/IZ
Sample : G3928-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(16-18)

Quant Time: Oct 07 02:07:52 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF082097.D

Acq: 6 Oct 2015 21:44

Instrument :

BNA_F

ClientSampleId :

OS-SB-22(16-18)

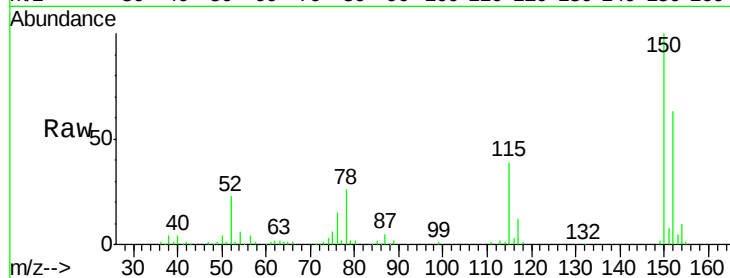
Tot Ion:152 Resp: 74583

Ion Ratio Lower Upper

152 100

150 159.8 124.7 187.1

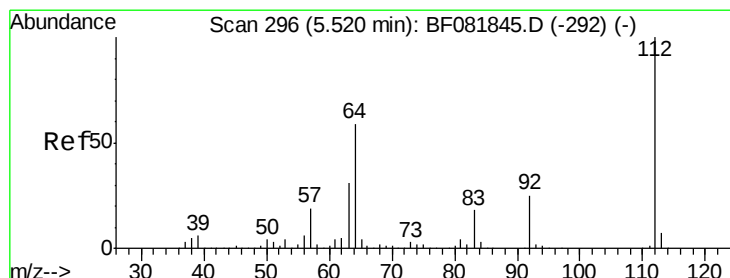
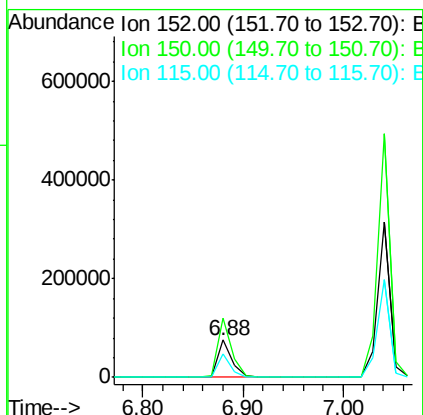
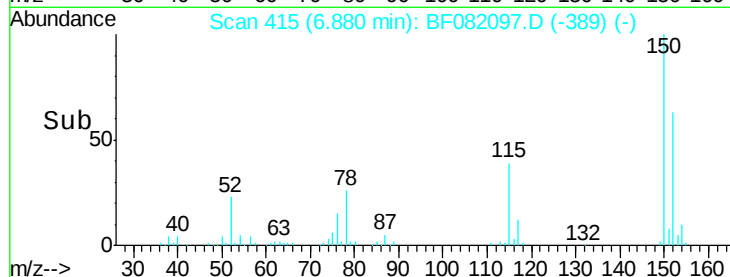
115 62.3 39.0 58.4#



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



#5

2-Fluorophenol

Concen: 148.32 ng

RT: 5.49 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF082097.D

Acq: 6 Oct 2015 21:44

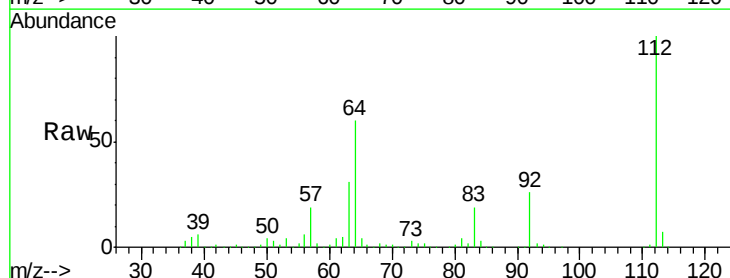
Tgt Ion:112 Resp: 609359

Ion Ratio Lower Upper

112 100

64 60.0 39.7 59.5#

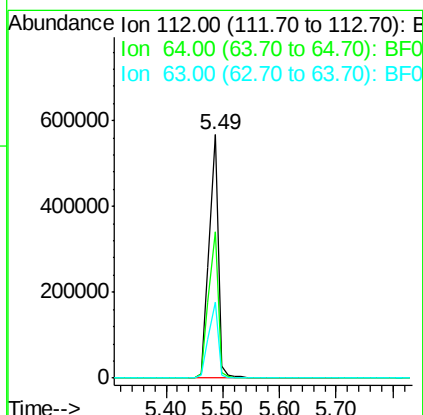
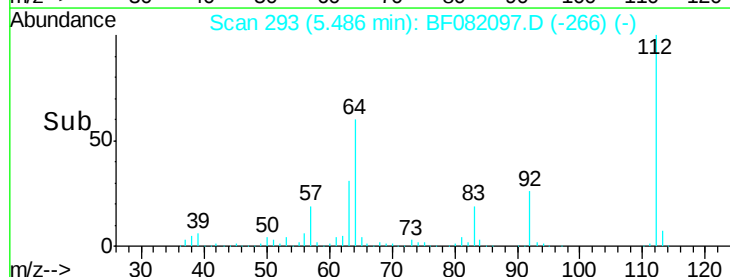
63 31.4 17.4 26.0#

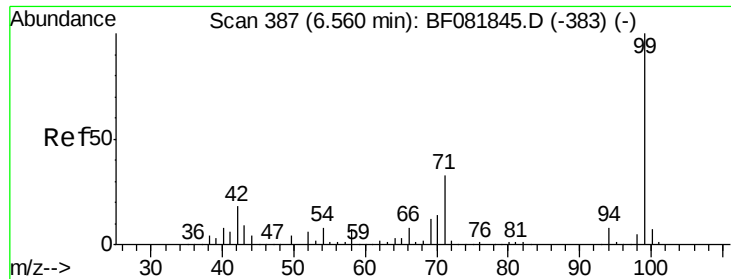


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 147.45 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF082097.D

Acq: 6 Oct 2015 21:44

Instrument :

BNA_F

ClientSampleId :

OS-SB-22(16-18)

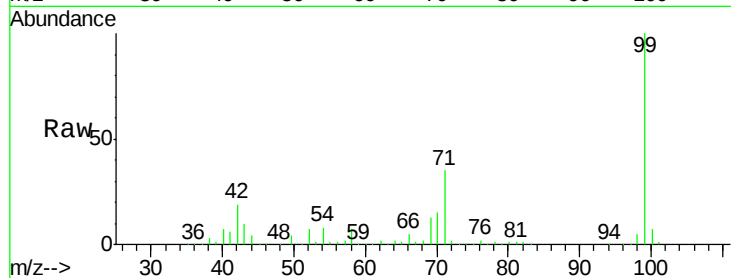
Tot Ion: 99 Resp: 762278

Ion Ratio Lower Upper

99 100

42 18.9 13.7 20.5

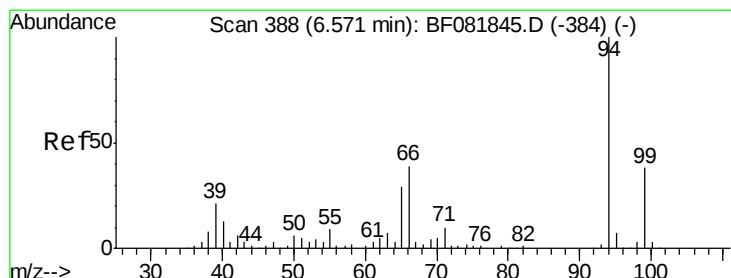
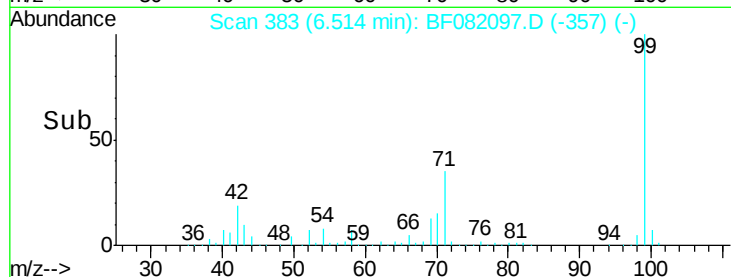
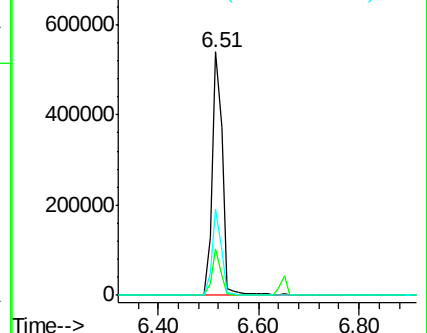
71 35.2 14.2 21.2#



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



#10

Phenol

Concen: 4.61 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF082097.D

Acq: 6 Oct 2015 21:44

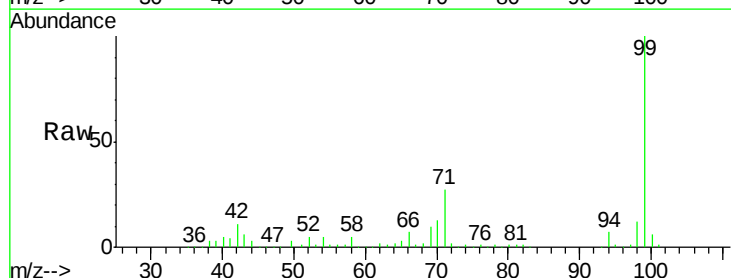
Tgt Ion: 94 Resp: 26736

Ion Ratio Lower Upper

94 100

65 44.8 0.7 40.7#

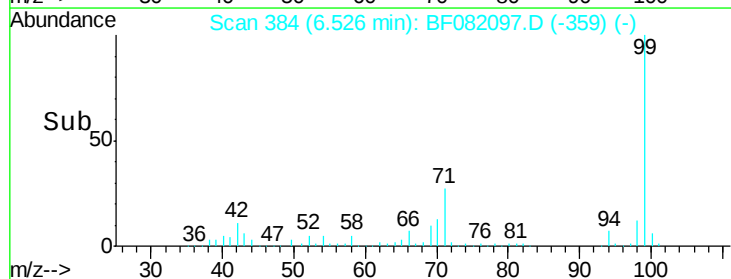
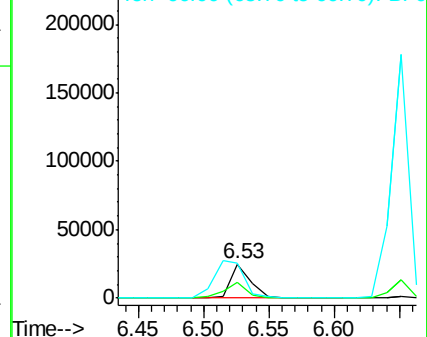
66 101.3 0.8 40.8#

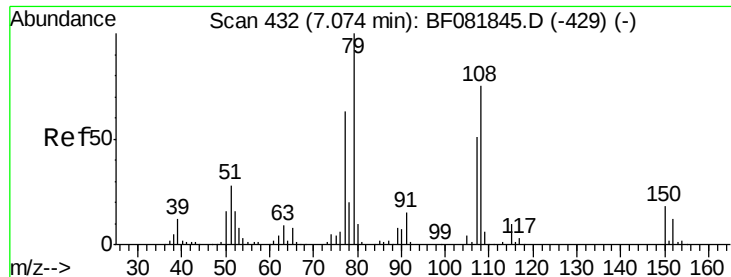


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 7.04 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF082097.D

Acq: 6 Oct 2015 21:44

Instrument :

BNA_F

ClientSampleId :

OS-SB-22(16-18)

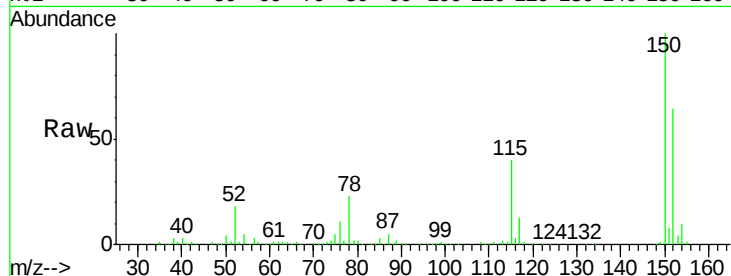
Tot Ion: 79 Resp: 7693

Ion Ratio Lower Upper

79 100

108 34.8 88.6 132.8#

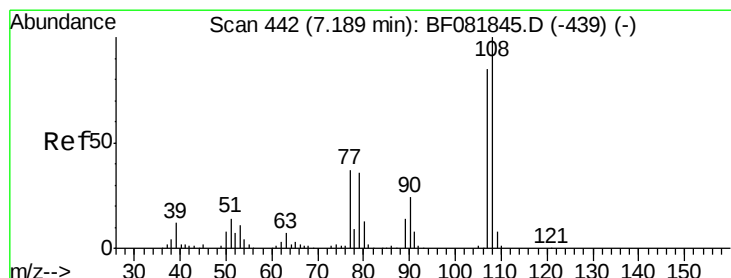
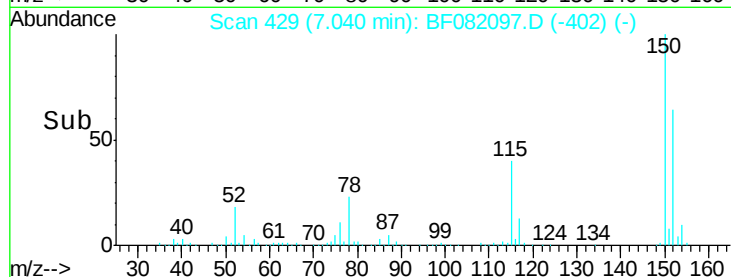
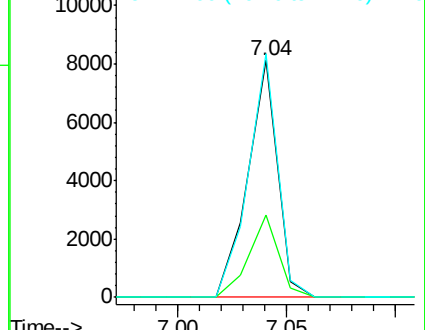
77 102.8 47.0 70.4#



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



#17

2-Methylphenol

Concen: 4.69 ng

RT: 7.29 min Scan# 451

Delta R.T. 0.15 min

Lab File: BF082097.D

Acq: 6 Oct 2015 21:44

Tgt Ion: 107 Resp: 17240

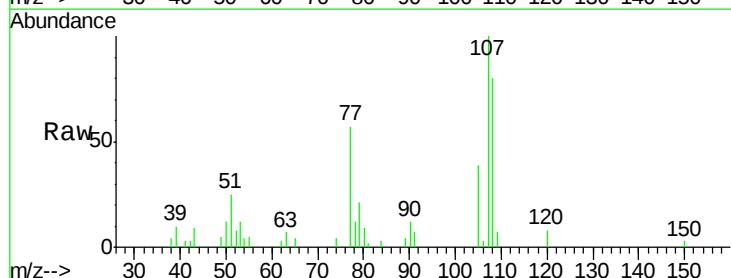
Ion Ratio Lower Upper

107 100

108 80.4 96.6 145.0#

77 57.5 23.3 34.9#

79 21.4 22.0 33.0#

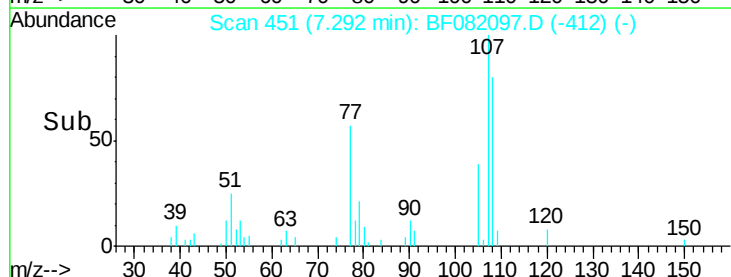
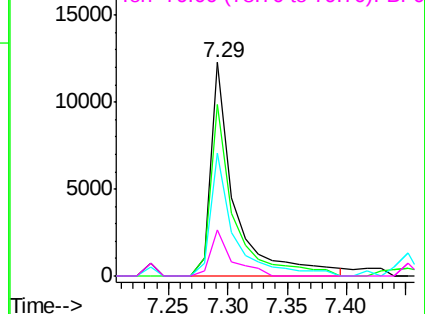


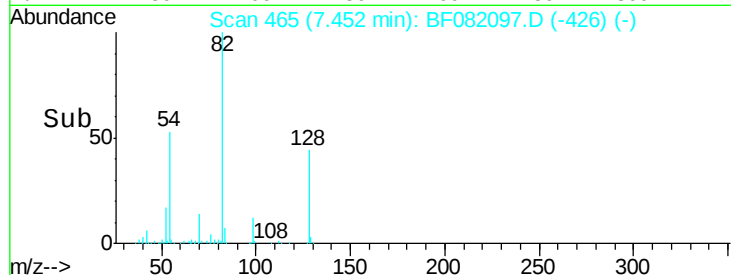
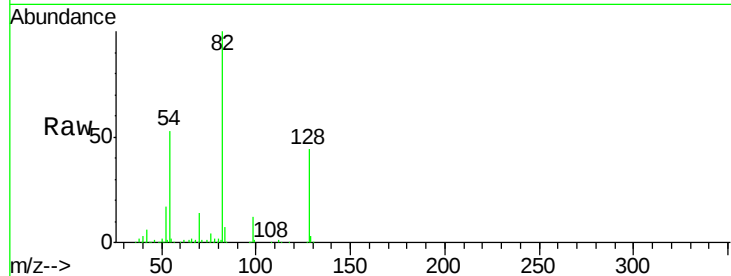
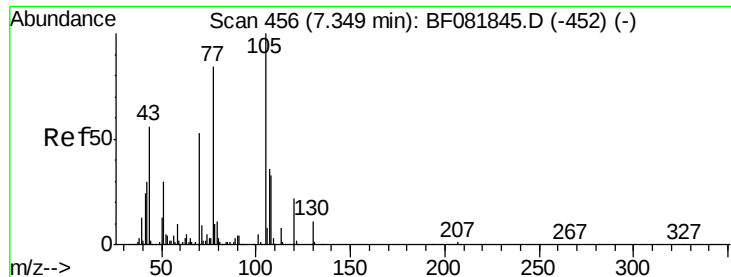
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

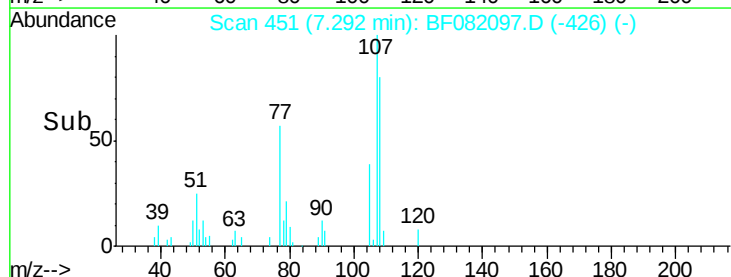
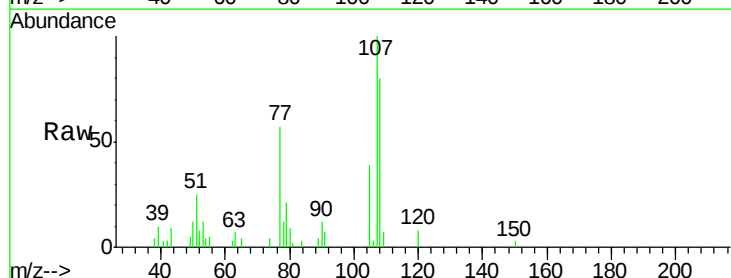
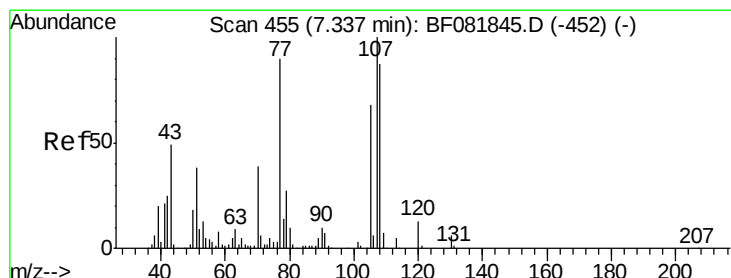
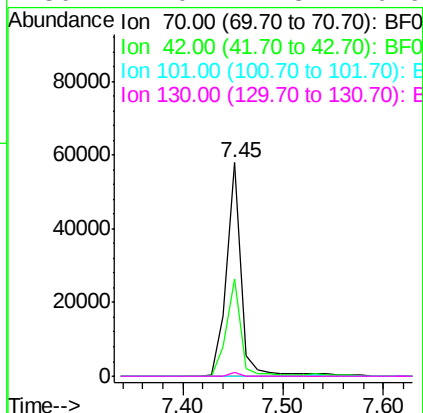




#19
n-Nitroso-di-n-propylamine
Concen: 18.86 ng
RT: 7.45 min Scan# 465
Delta R.T. 0.15 min
Lab File: BF082097.D
Acq: 6 Oct 2015 21:44

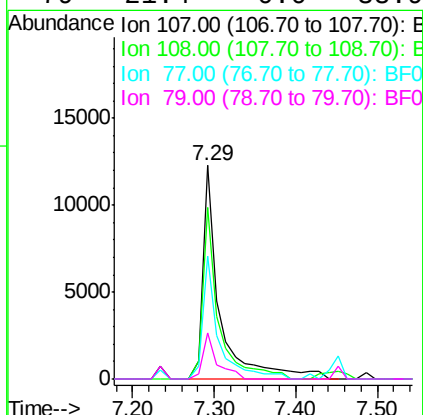
Instrument :
BNA_F
ClientSampleId :
OS-SB-22(16-18)

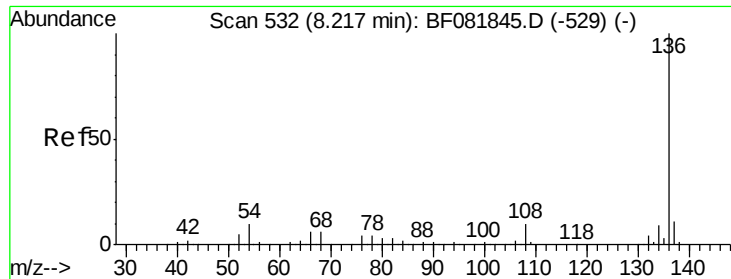
Tot Ion:	70	Resp:	59251
Ion	Ratio	Lower	Upper
70	100		
42	45.4	63.8	95.6#
101	0.0	9.2	13.8#
130	2.0	27.3	40.9#



#20
3+4-Methylphenols
Concen: 3.88 ng
RT: 7.29 min Scan# 451
Delta R.T. -0.01 min
Lab File: BF082097.D
Acq: 6 Oct 2015 21:44

Tgt Ion:	107	Resp:	18033
Ion	Ratio	Lower	Upper
107	100		
108	80.4	74.6	114.6
77	57.5	0.7	40.7#
79	21.4	0.0	38.9

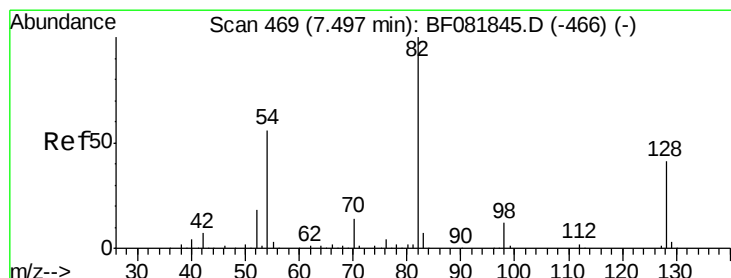
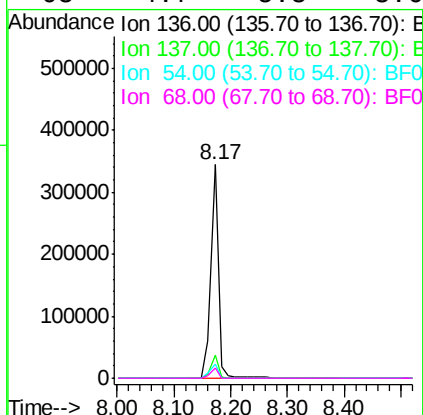
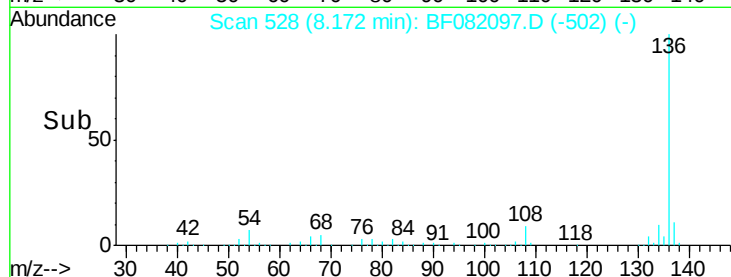
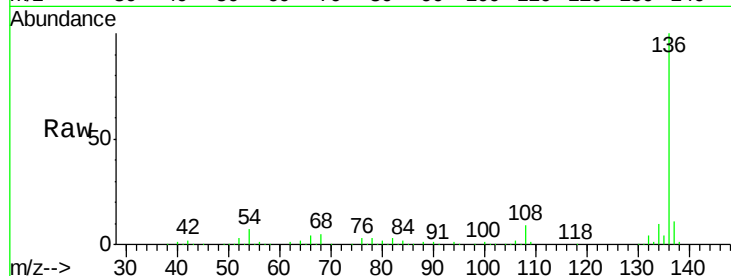




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF082097.D
Acq: 6 Oct 2015 21:44

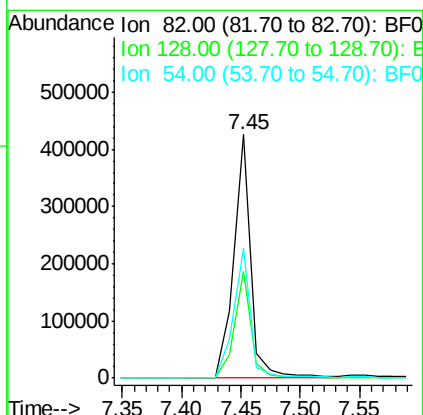
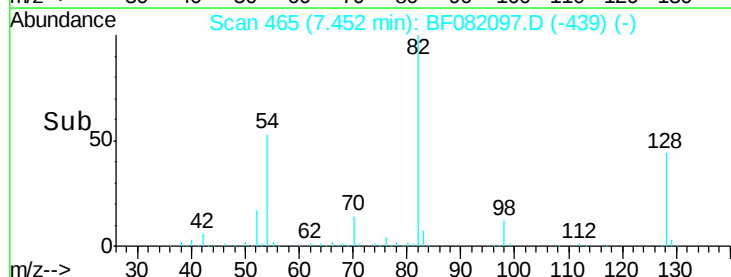
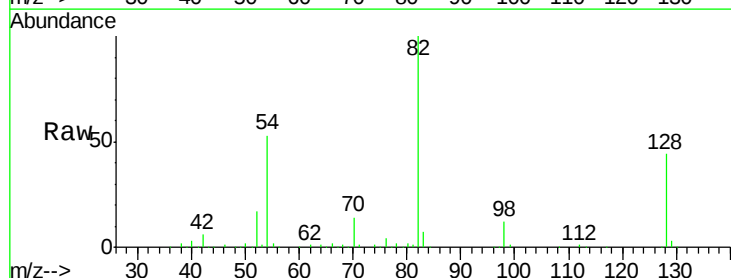
Instrument :
BNA_F
ClientSampleId :
OS-SB-22(16-18)

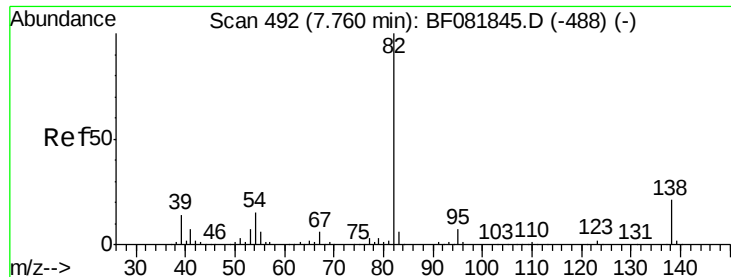
Tot Ion:	136	Resp:	306652
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	6.9	8.2	12.2#
68	4.7	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 93.30 ng
RT: 7.45 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF082097.D
Acq: 6 Oct 2015 21:44

Tgt Ion:	82	Resp:	429223
Ion	Ratio	Lower	Upper
82	100		
128	43.7	51.0	76.6#
54	53.1	47.5	71.3





#25

Isophorone

Concen: 36.25 ng

RT: 7.45 min Scan# 465

Delta R.T. -0.26 min

Lab File: BF082097.D

Acq: 6 Oct 2015 21:44

Instrument :

BNA_F

ClientSampleId :

OS-SB-22(16-18)

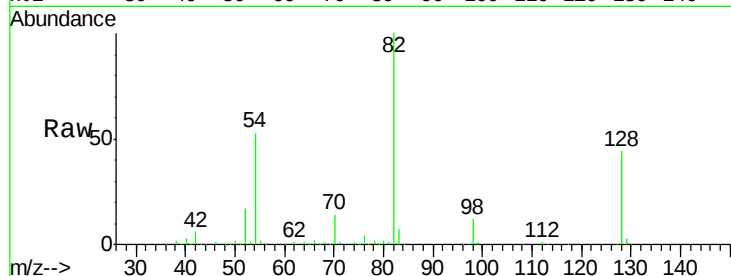
Tot Ion: 82 Resp: 330486

Ion Ratio Lower Upper

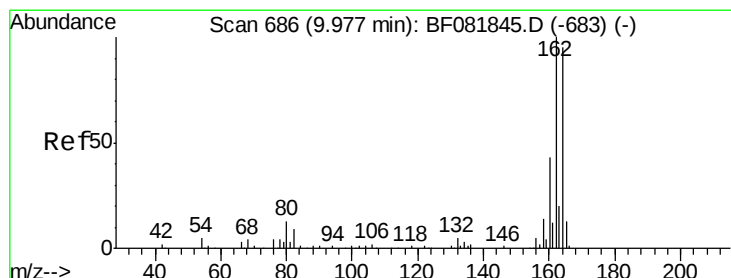
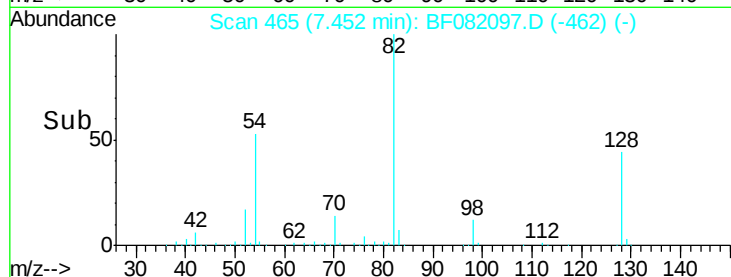
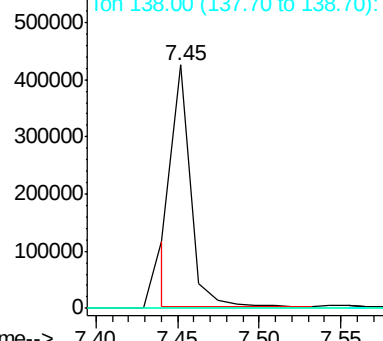
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF082097.D

Acq: 6 Oct 2015 21:44

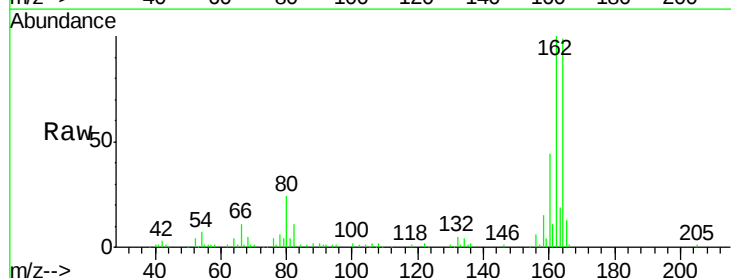
Tgt Ion:164 Resp: 133516

Ion Ratio Lower Upper

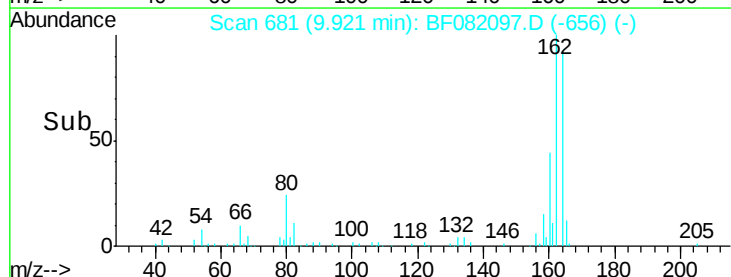
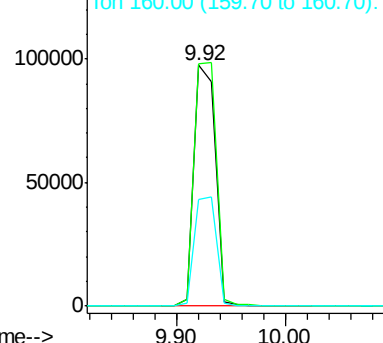
164 100

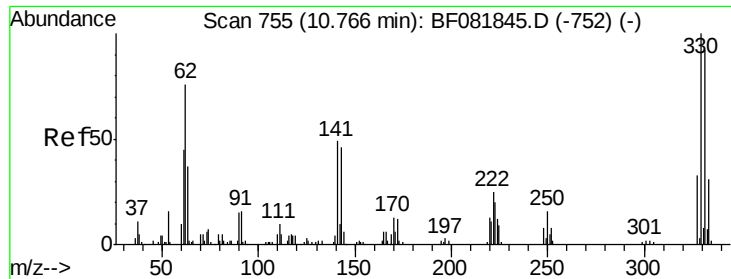
162 100.6 75.2 112.8

160 44.3 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

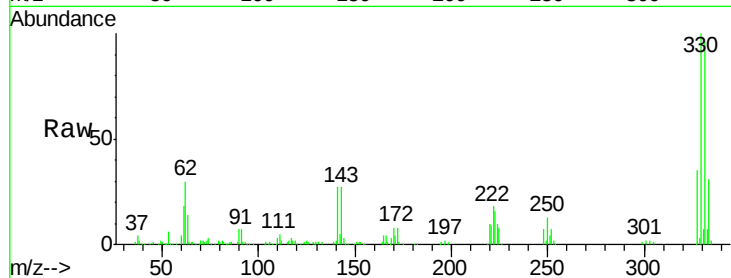




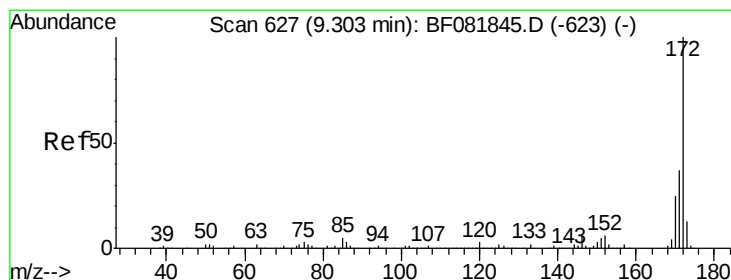
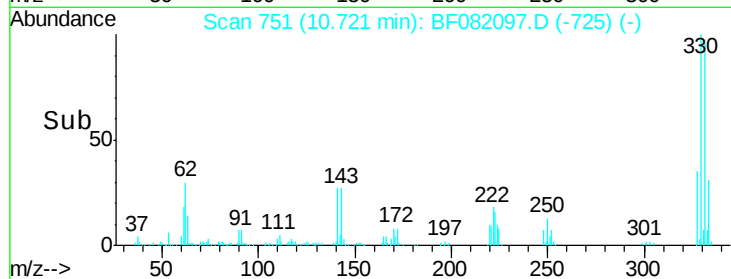
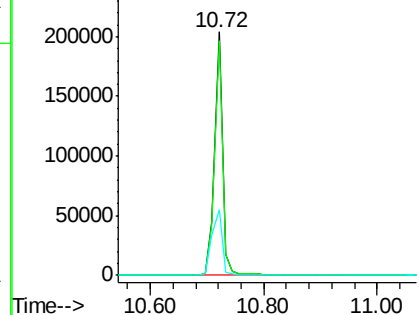
#41
 2,4,6-Tribromophenol
 Concen: 142.23 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF082097.D
 Acq: 6 Oct 2015 21:44

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(16-18)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	114.8
141	34.9	29.7	44.5

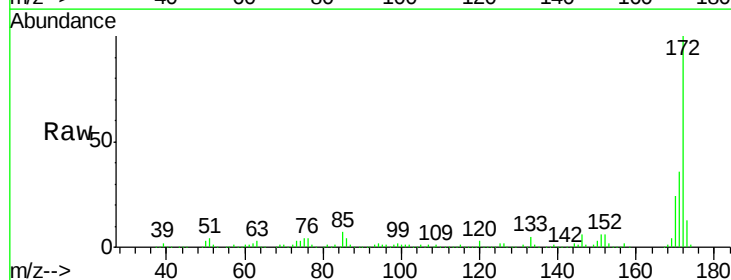


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

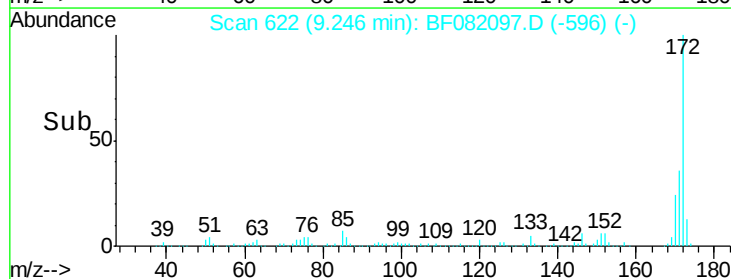
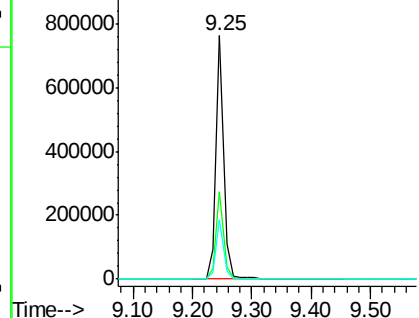


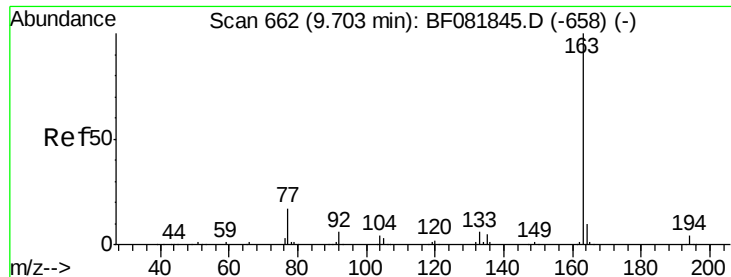
#44
 2-Fluorobiphenyl
 Concen: 87.30 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF082097.D
 Acq: 6 Oct 2015 21:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	26.1	39.1
170	24.3	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

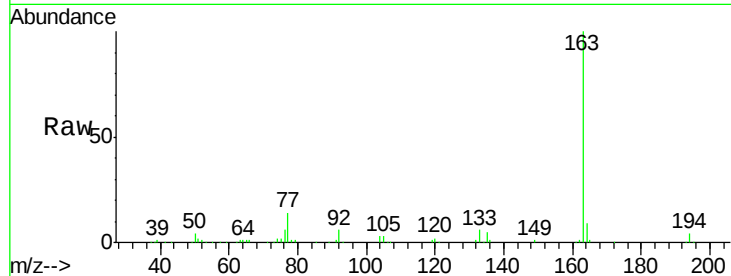




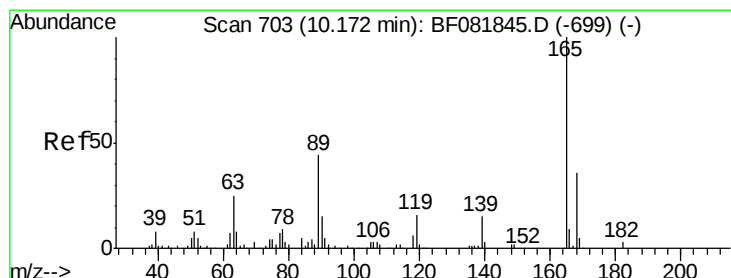
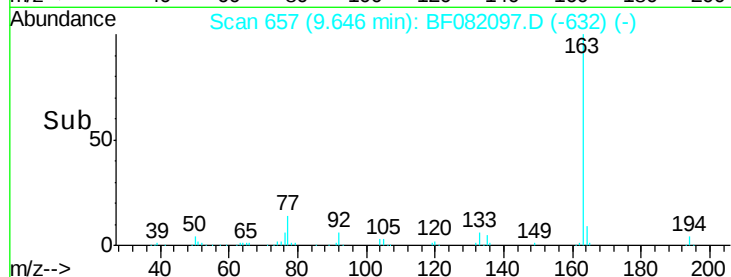
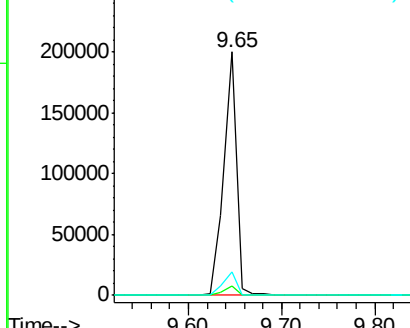
#49
Dimethylphthalate
Concen: 20.63 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF082097.D
Acq: 6 Oct 2015 21:44

Instrument :
BNA_F
ClientSampleId :
OS-SB-22(16-18)

Tot Ion:163 Resp: 190090
Ion Ratio Lower Upper
163 100
194 3.7 4.4 6.6#
164 9.4 8.3 12.5

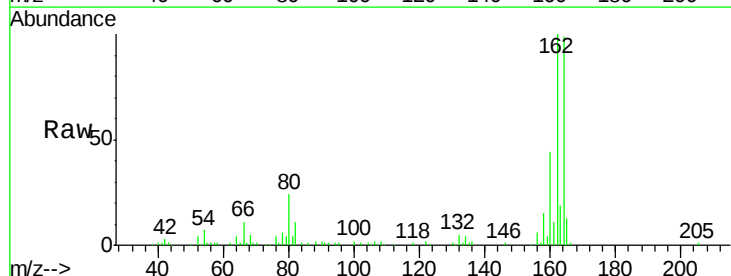


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

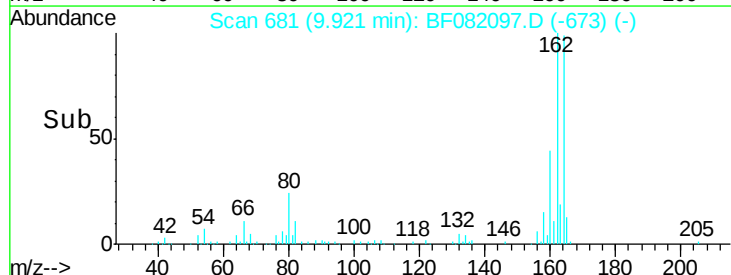
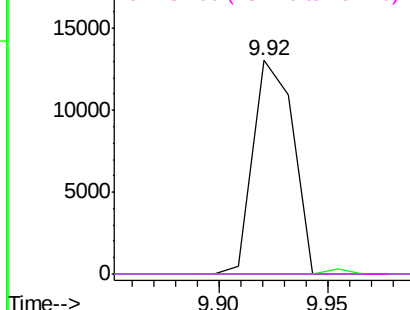


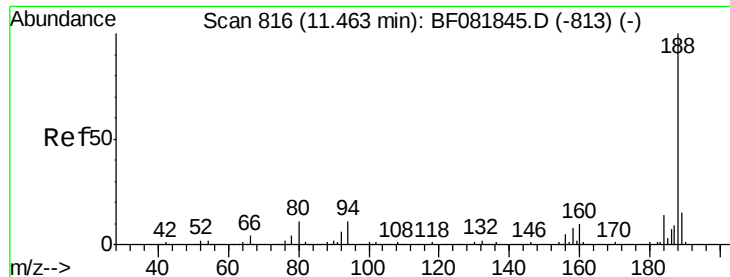
#56
2,4-Dinitrotoluene
Concen: 6.58 ng
RT: 9.92 min Scan# 681
Delta R.T. -0.21 min
Lab File: BF082097.D
Acq: 6 Oct 2015 21:44

Tgt Ion:165 Resp: 16780
Ion Ratio Lower Upper
165 100
63 0.0 29.8 44.6#
89 0.0 44.5 66.7#
182 0.0 3.0 4.4#



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

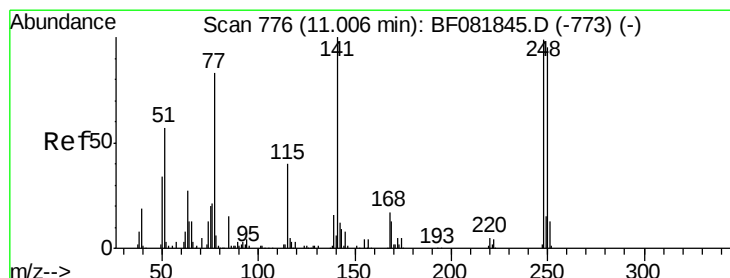
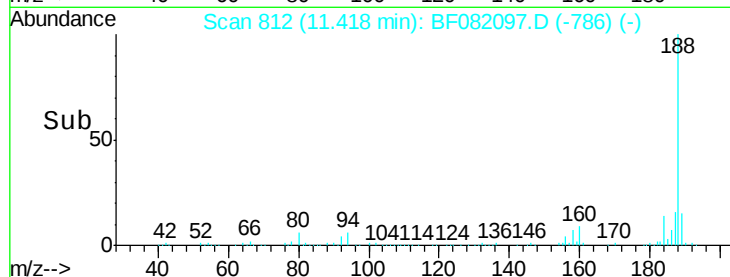
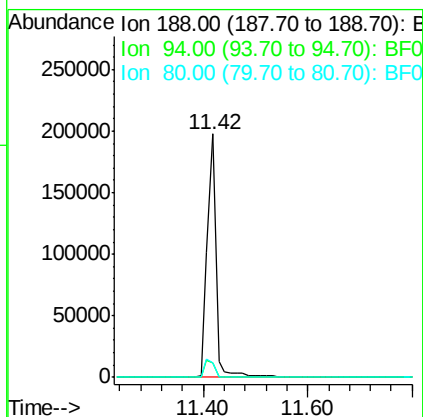
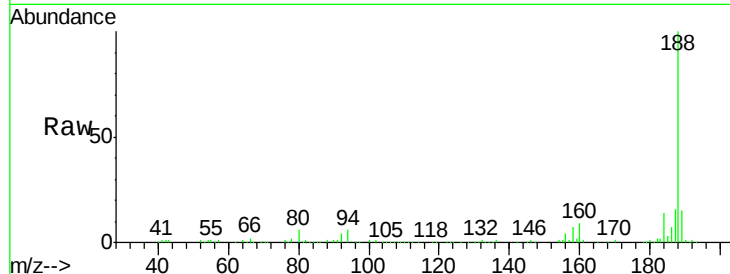




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF082097.D
 Acq: 6 Oct 2015 21:44

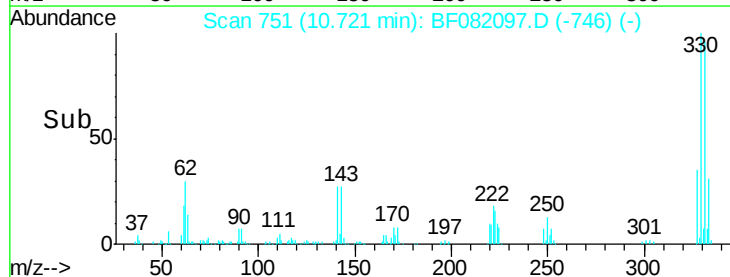
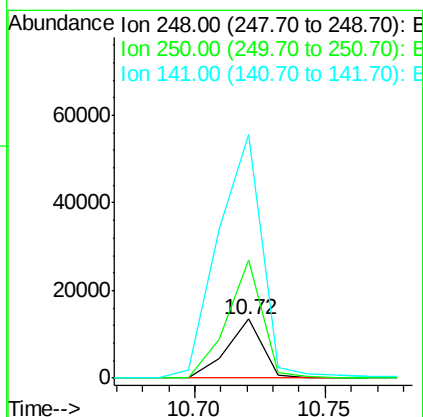
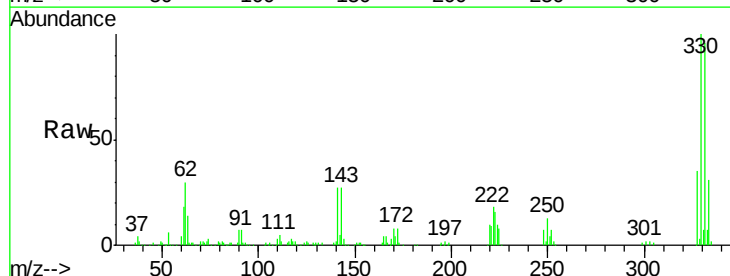
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(16-18)

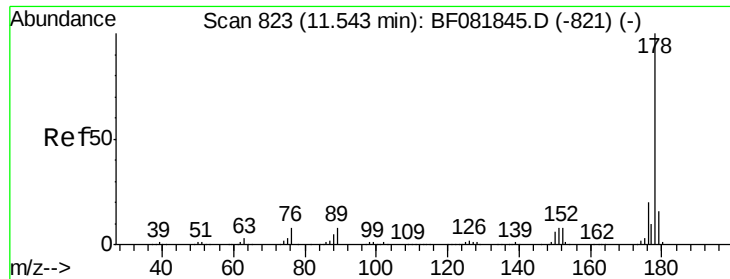
Tot Ion:188 Resp: 232921
 Ion Ratio Lower Upper
 188 100
 94 6.0 11.1 16.7#
 80 6.1 11.0 16.4#



#66
 4-Bromophenyl-phenylether
 Concen: 5.49 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.24 min
 Lab File: BF082097.D
 Acq: 6 Oct 2015 21:44

Tgt Ion:248 Resp: 12896
 Ion Ratio Lower Upper
 248 100
 250 199.9 78.5 117.7#
 141 411.6 59.0 88.6#

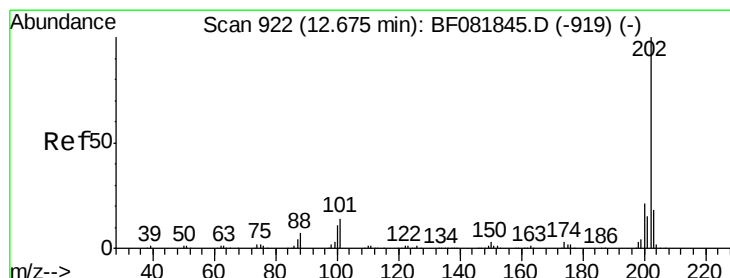
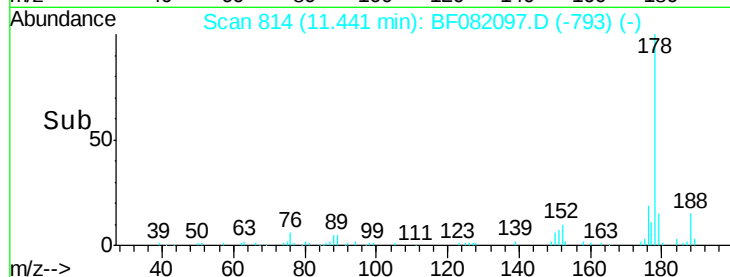
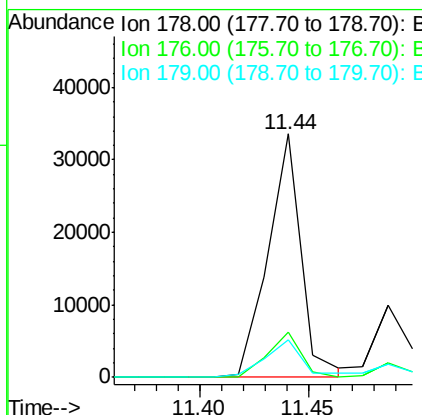
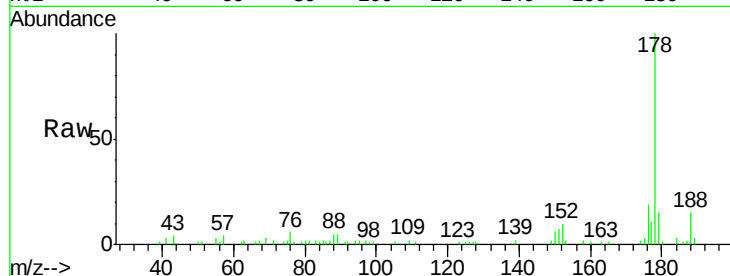




#71
 Anthracene
 Concen: 3.01 ng
 RT: 11.44 min Scan# 814
 Delta R.T. -0.06 min
 Lab File: BF082097.D
 Acq: 6 Oct 2015 21:44

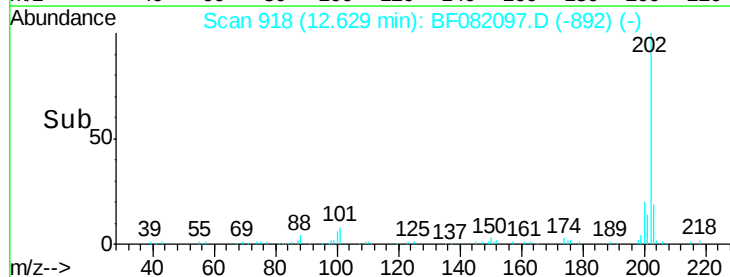
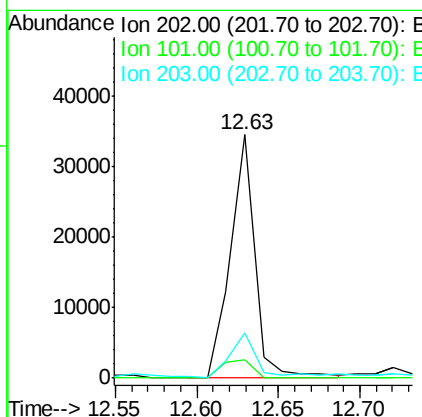
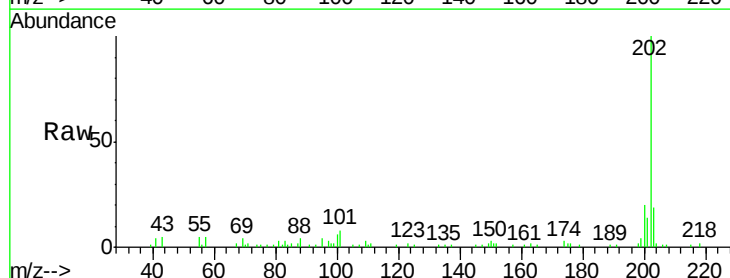
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(16-18)

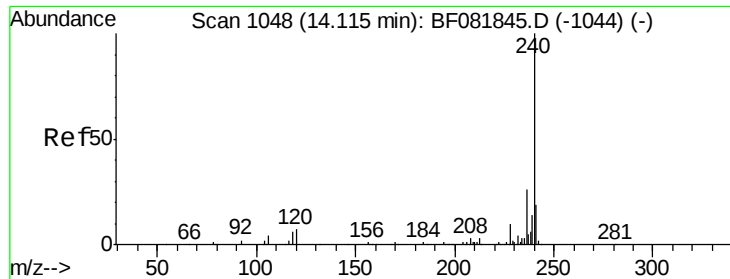
Tot Ion:178 Resp: 35690
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.1 21.1
 179 15.2 12.2 18.2



#74
 Fluoranthene
 Concen: 2.87 ng
 RT: 12.63 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: BF082097.D
 Acq: 6 Oct 2015 21:44

Tgt Ion:202 Resp: 35846
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 38.3
 203 18.8 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082097.D

Acq: 6 Oct 2015 21:44

Instrument :

BNA_F

ClientSampleId :

OS-SB-22(16-18)

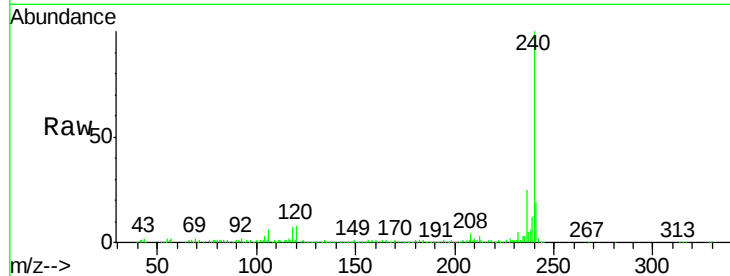
Tot Ion:240 Resp: 207298

Ion Ratio Lower Upper

240 100

120 8.0 16.2 24.2#

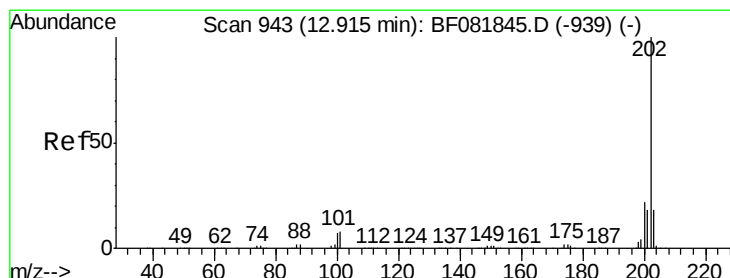
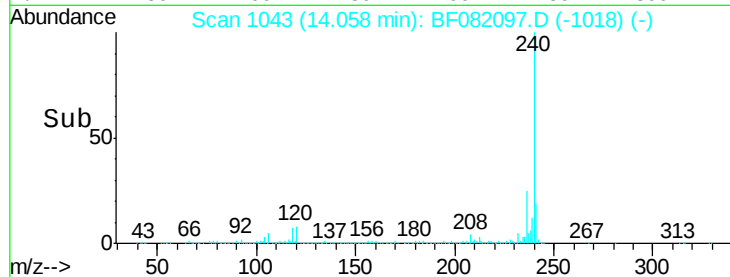
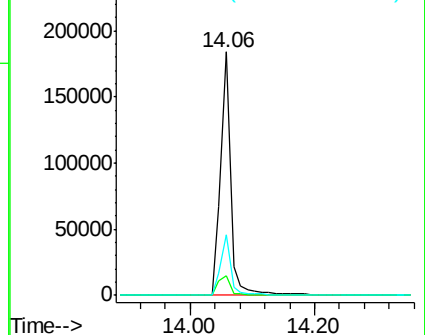
236 25.0 18.4 27.6



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

Pyrene

Concen: 3.04 ng

RT: 12.86 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF082097.D

Acq: 6 Oct 2015 21:44

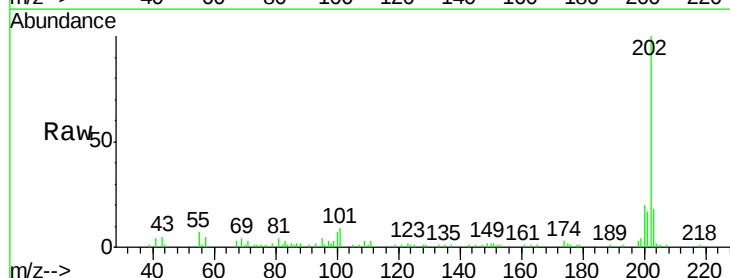
Tgt Ion:202 Resp: 37626

Ion Ratio Lower Upper

202 100

200 20.2 15.0 22.4

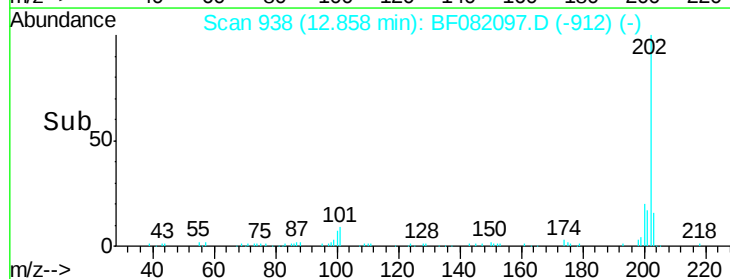
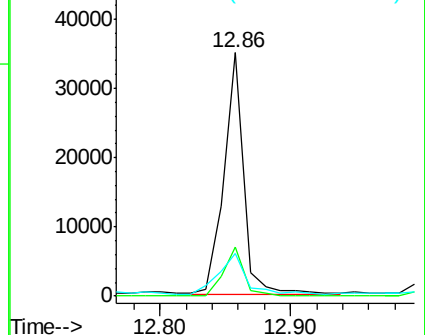
203 17.5 14.1 21.1

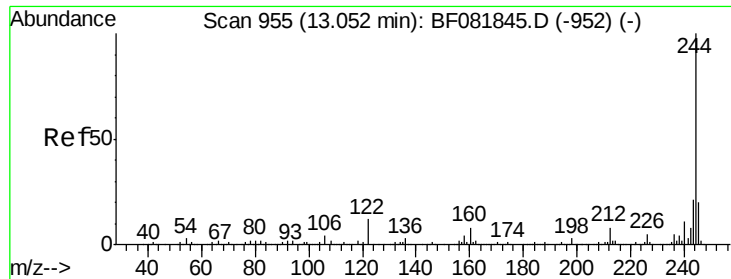


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

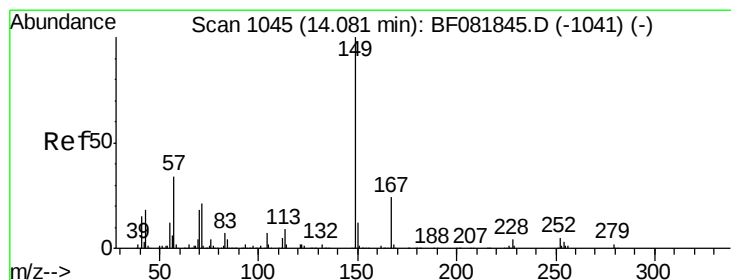
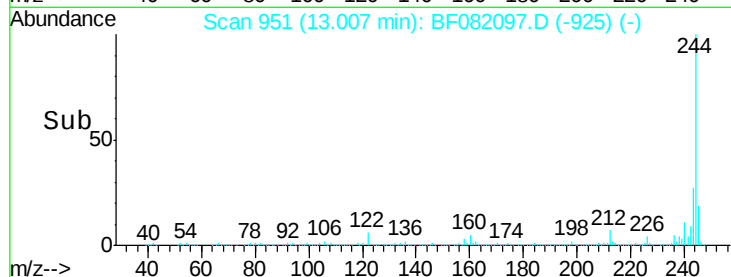
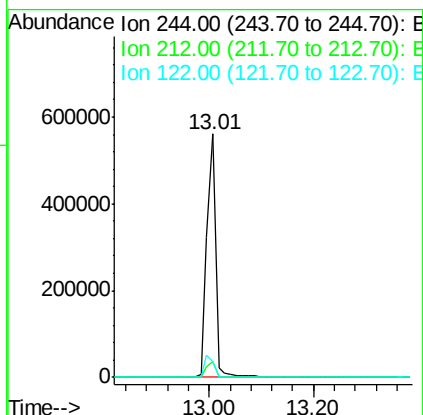
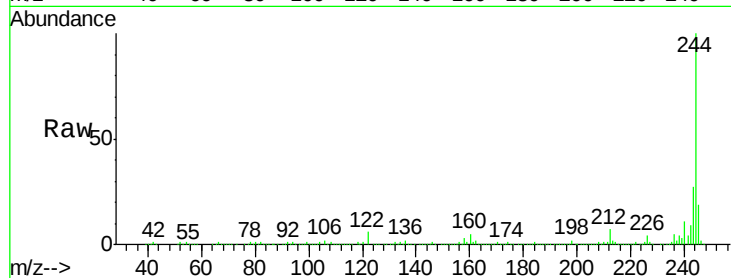




#78
 Terphenyl-d14
 Concen: 112.74 ng
 RT: 13.01 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF082097.D
 Acq: 6 Oct 2015 21:44

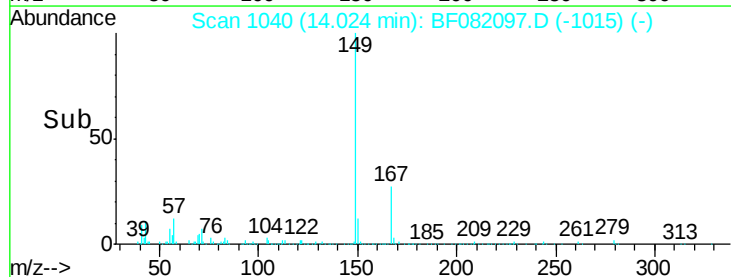
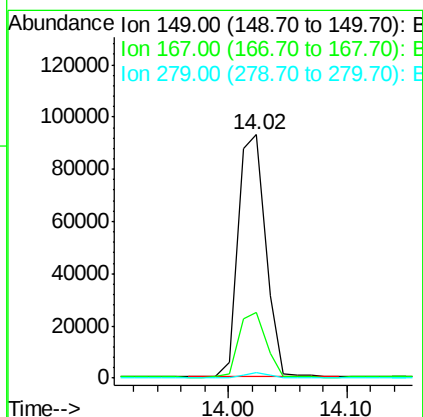
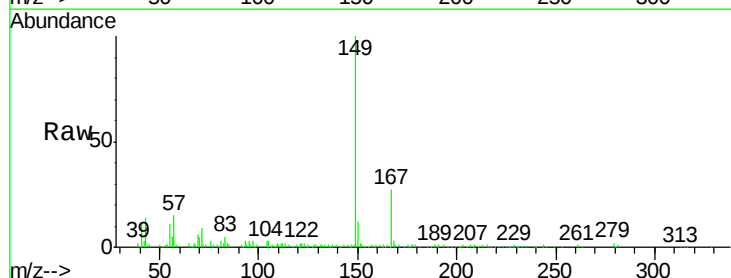
Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(16-18)

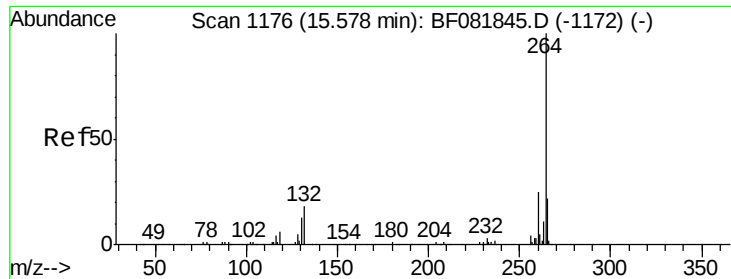
Tot Ion:244 Resp: 659842
 Ion Ratio Lower Upper
 244 100
 212 6.6 4.3 6.5#
 122 6.3 17.4 26.2#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 25.48 ng
 RT: 14.02 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BF082097.D
 Acq: 6 Oct 2015 21:44

Tgt Ion:149 Resp: 148917
 Ion Ratio Lower Upper
 149 100
 167 27.1 24.2 36.2
 279 2.2 3.8 5.6#

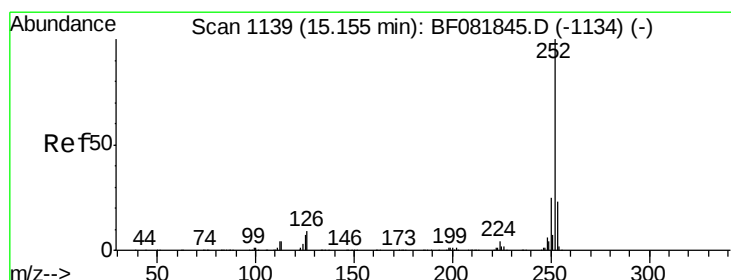
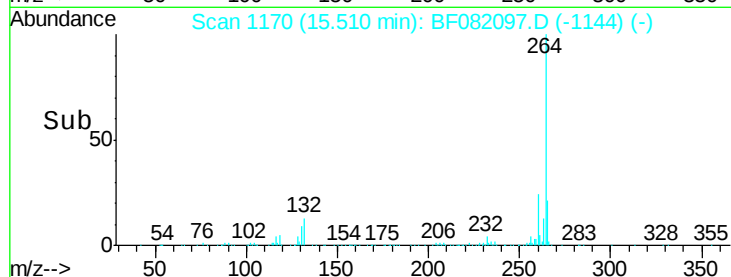
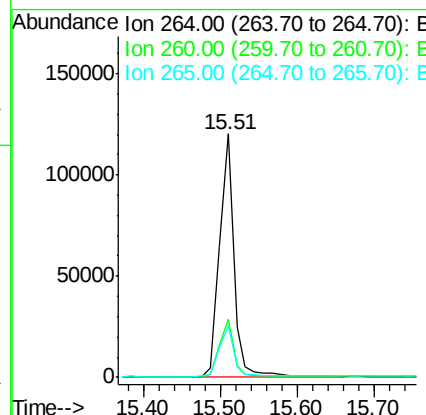
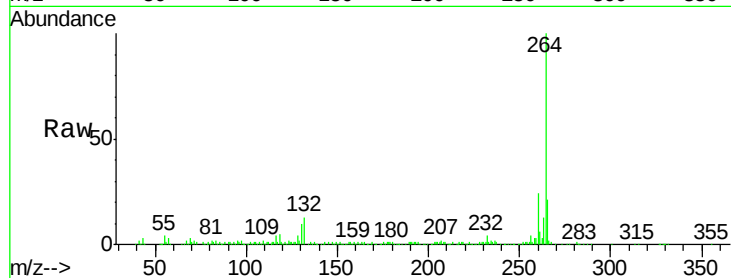




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF082097.D
Acq: 6 Oct 2015 21:44

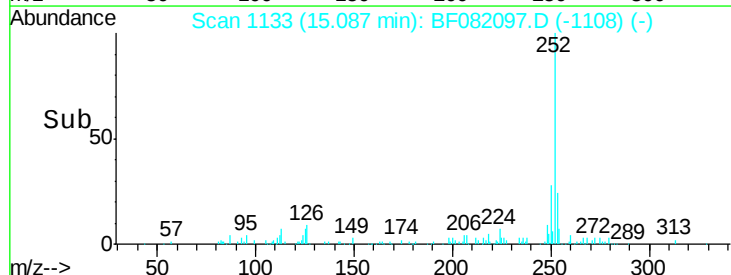
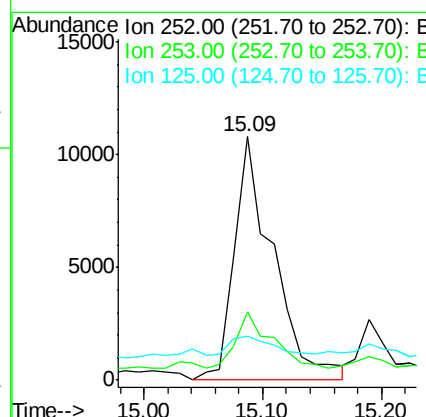
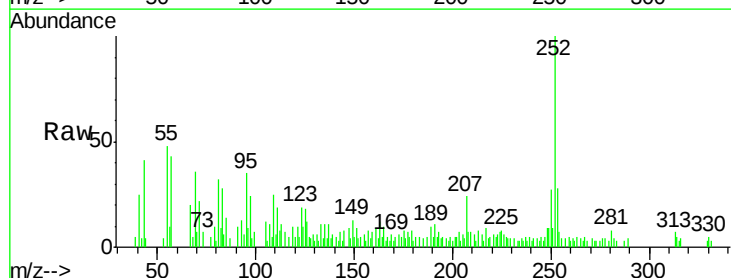
Instrument :
BNA_F
ClientSampleId :
OS-SB-22(16-18)

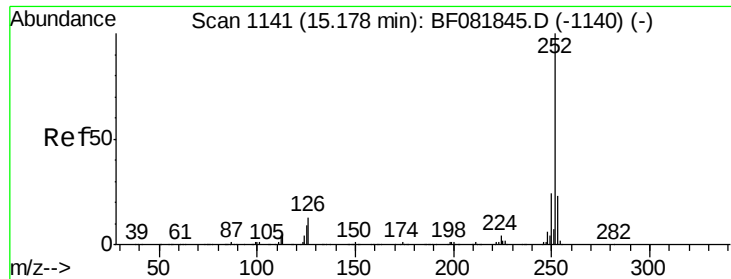
Tot Ion:264 Resp: 159953
Ion Ratio Lower Upper
264 100
260 24.1 16.7 25.1
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.69 ng
RT: 15.09 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF082097.D
Acq: 6 Oct 2015 21:44

Tgt Ion:252 Resp: 24575
Ion Ratio Lower Upper
252 100
253 28.2 17.5 26.3#
125 18.2 17.1 25.7

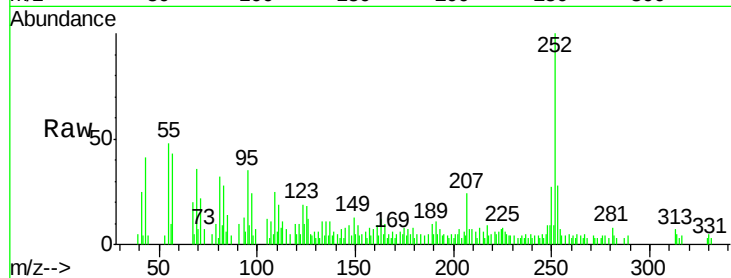




#88
 Benzo(k)fluoranthene
 Concen: 2.94 ng
 RT: 15.09 min Scan# 1133
 Delta R.T. -0.03 min
 Lab File: BF082097.D
 Acq: 6 Oct 2015 21:44

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-22(16-18)

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.0	25.4
125	18.2	16.0	24.0



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

