

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090917\
 Data File : BF098384.D
 Acq On : 9 Sep 2017 14:29
 Operator : SJ/JU
 Sample : I5178-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 04:32:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

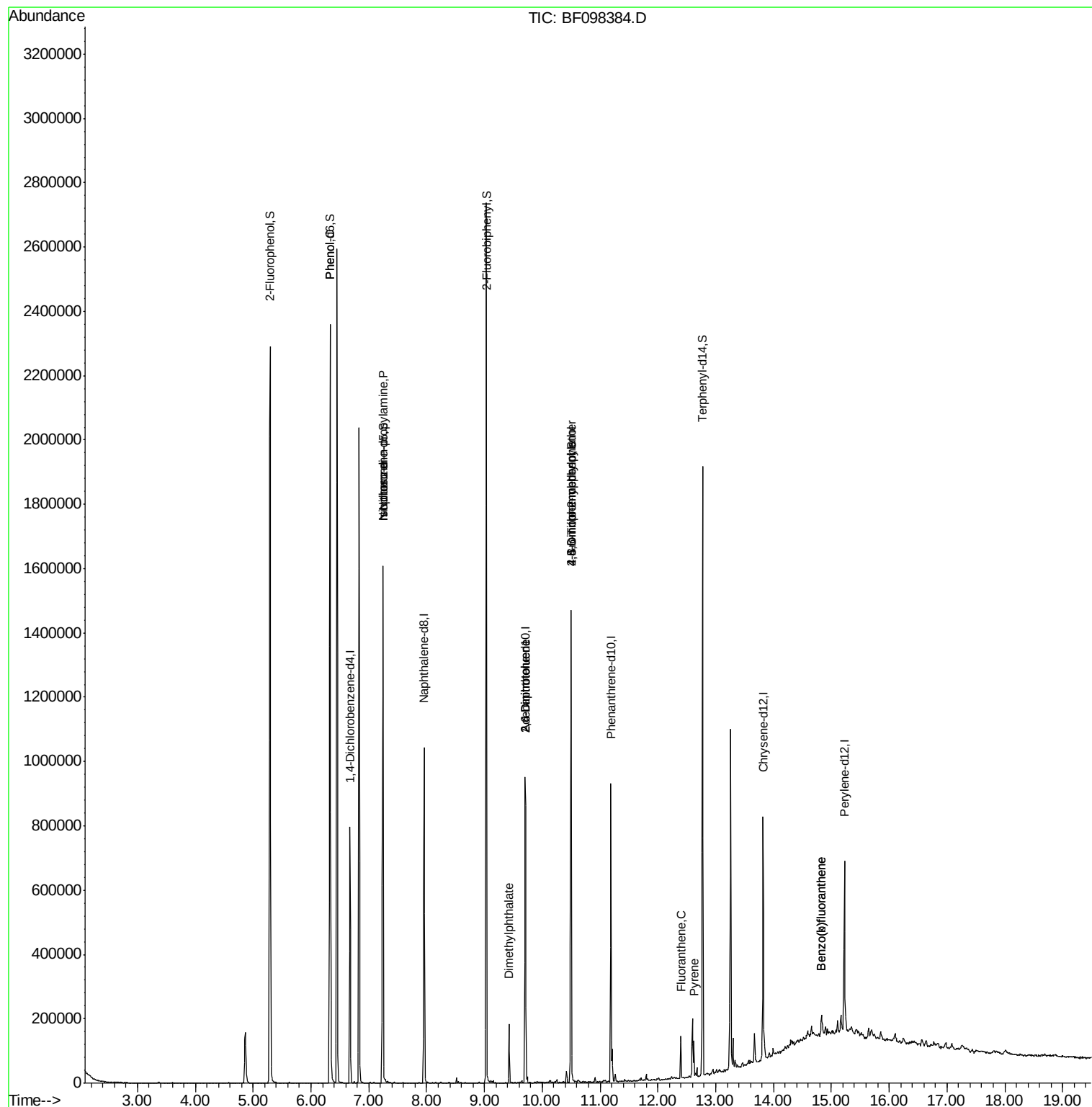
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	107359	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	422212	20.00	ng	-0.03
38) Acenaphthene-d10	9.70	164	184976	20.00	ng	-0.04
63) Phenanthrene-d10	11.19	188	311361	20.00	ng	-0.04
75) Chrysene-d12	13.82	240	231851	20.00	ng	-0.04
86) Perylene-d12	15.23	264	229928	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	720115	102.03	ng	-0.01
7) Phenol-d6	6.33	99	994261	103.68	ng	-0.02
23) Nitrobenzene-d5	7.25	82	613275	78.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	174163	108.51	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	844808	67.10	ng	-0.04
78) Terphenyl-d14	12.77	244	588184	52.90	ng	-0.04
Target Compounds						
10) Phenol	6.34	94	76165	6.791	ng	99
19) n-Nitroso-di-n-propylamine	7.25	70	80358	12.241	ng	# 69
25) Isophorone	7.25	82	613270	37.948	ng	# 67
49) Dimethylphthalate	9.43	163	63670	4.709	ng	99
50) 2,6-Dinitrotoluene	9.70	165	23822	8.826	ng	# 32
56) 2,4-Dinitrotoluene	9.70	165	23822	7.033	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.49	198	275	8.476	ng	# 1
66) 4-Bromophenyl-phenylether	10.50	248	11128	3.442	ng	# 1
74) Fluoranthene	12.40	202	49741	2.872	ng	99
77) Pyrene	12.62	202	44508	2.347	ng	98
87) Benzo(b)fluoranthene	14.83	252	37238	2.569	ng	# 93
88) Benzo(k)fluoranthene	14.83	252	37238	2.735	ng	97

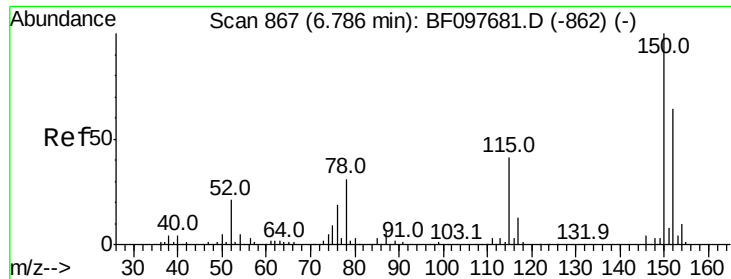
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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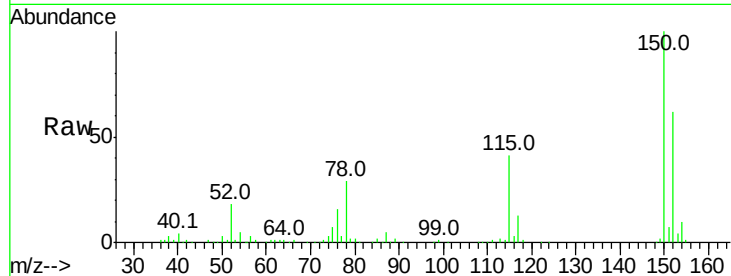


#1

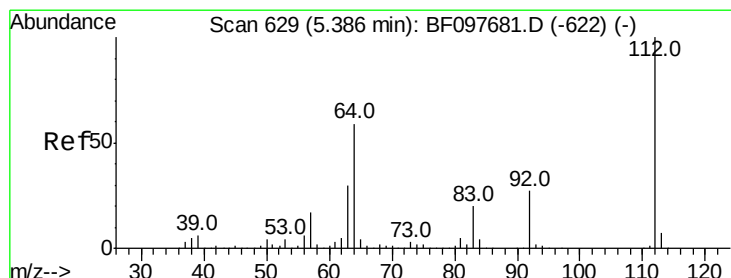
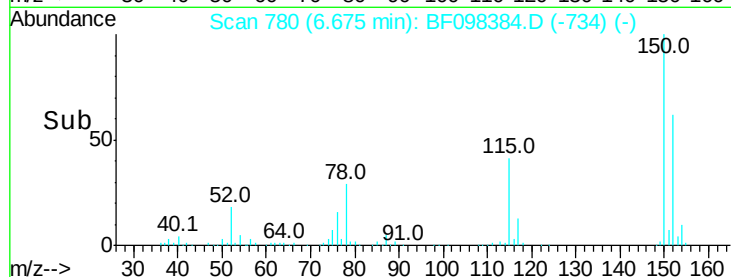
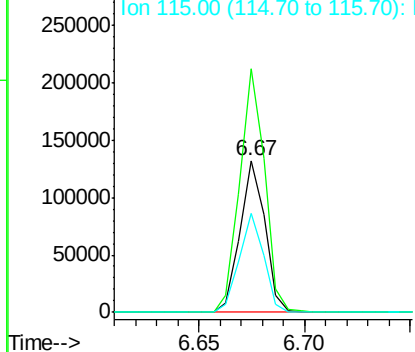
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF098384.D
Acq: 9 Sep 2017 14:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 107359
Ion Ratio Lower Upper
152 100
150 160.4 126.2 189.2
115 65.5 52.2 78.2



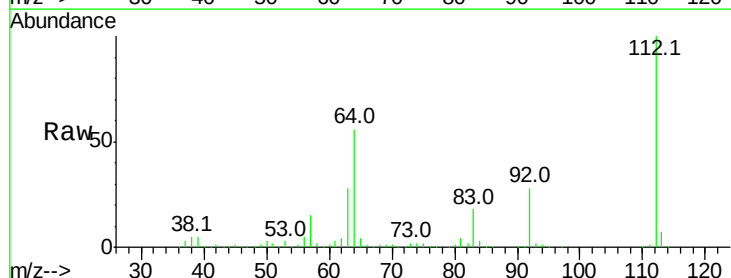
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



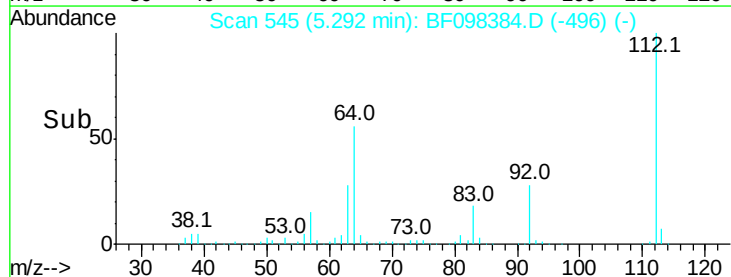
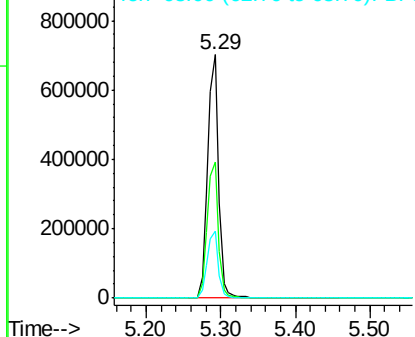
#5

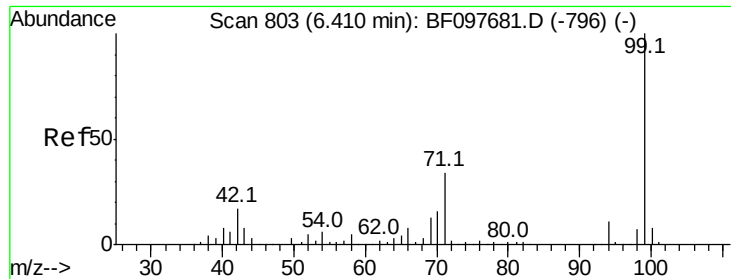
2-Fluorophenol
Concen: 102.027 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF098384.D
Acq: 9 Sep 2017 14:29

Tgt Ion:112 Resp: 720115
Ion Ratio Lower Upper
112 100
64 55.7 46.0 69.0
63 27.7 23.4 35.0



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: 103.677 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098384.D

Acq: 9 Sep 2017 14:29

Instrument :

BNA_F

ClientSampled :

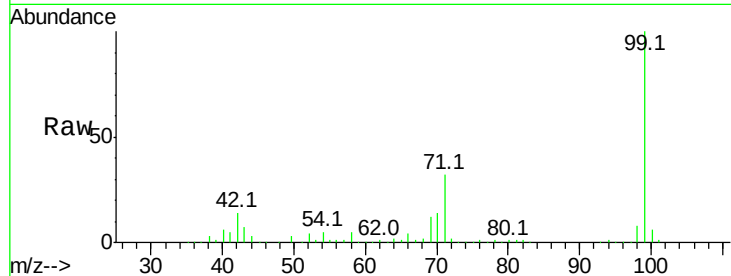
Tot Ion: 99 Resp: 994261

Ion Ratio Lower Upper

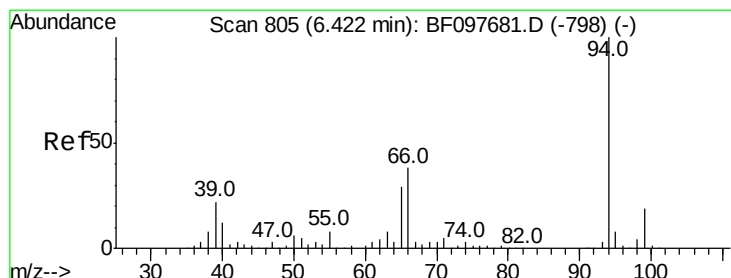
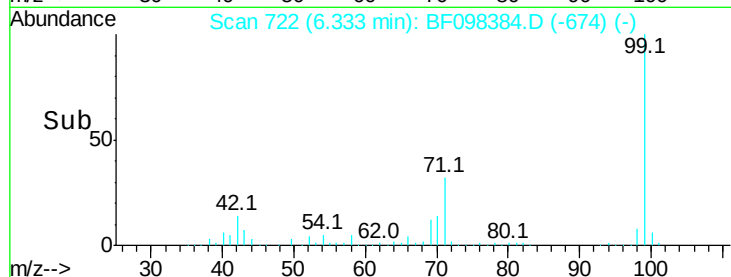
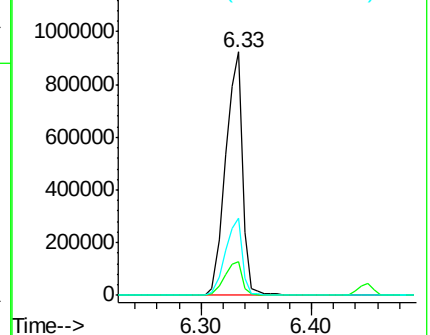
99 100

42 13.8 13.5 20.3

71 31.7 24.5 36.7



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



#10

Phenol

Concen: 6.791 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF098384.D

Acq: 9 Sep 2017 14:29

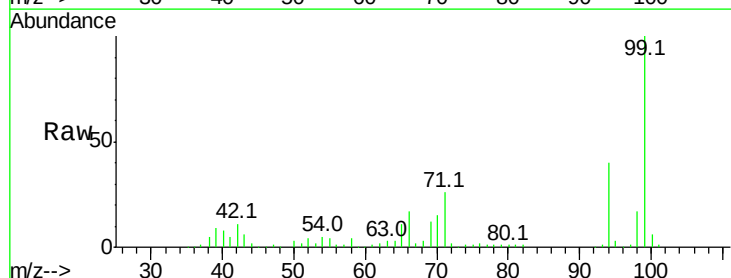
Tgt Ion: 94 Resp: 76165

Ion Ratio Lower Upper

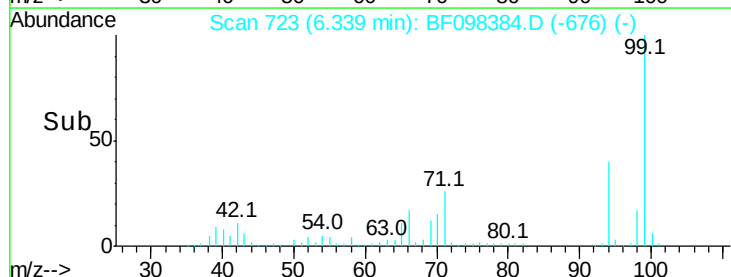
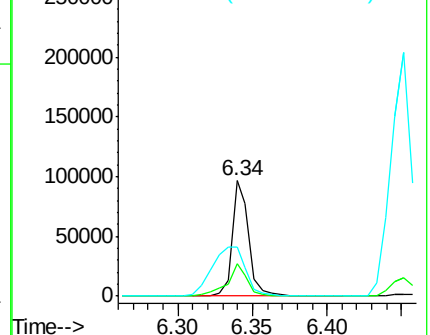
94 100

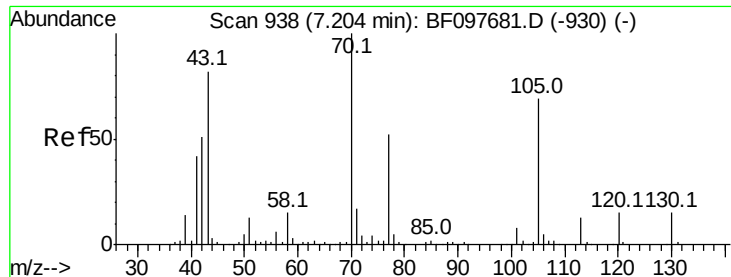
65 28.3 9.9 49.9

66 43.1 23.1 63.1



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

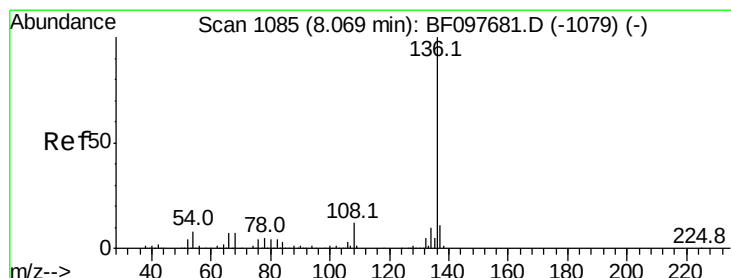
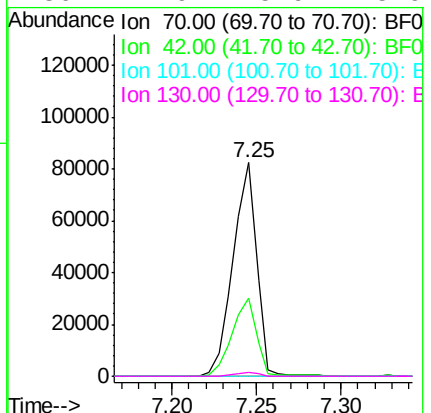
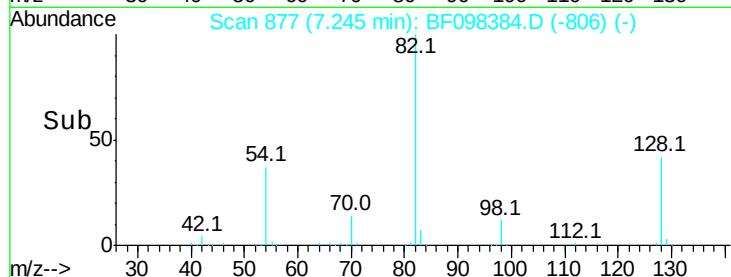
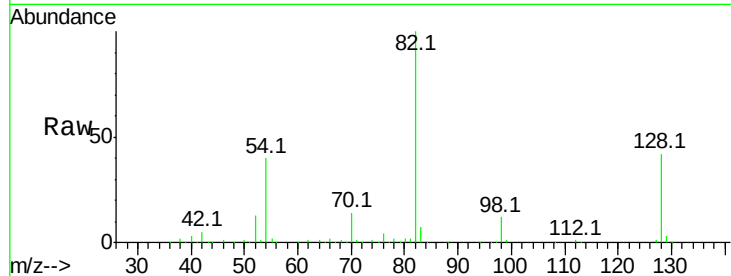




#19
n-Nitroso-di-n-propylamine
Concen: 12.241 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.12 min
Lab File: BF098384.D
Acq: 9 Sep 2017 14:29

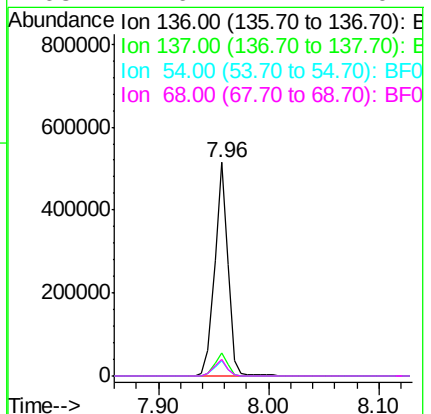
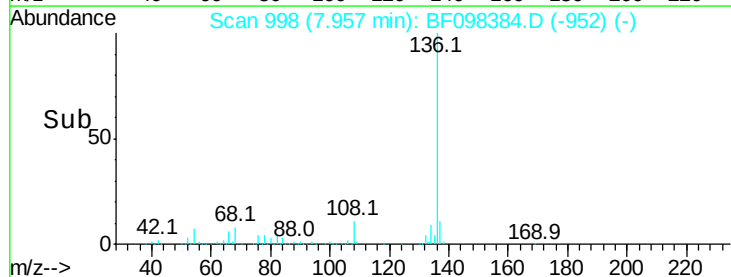
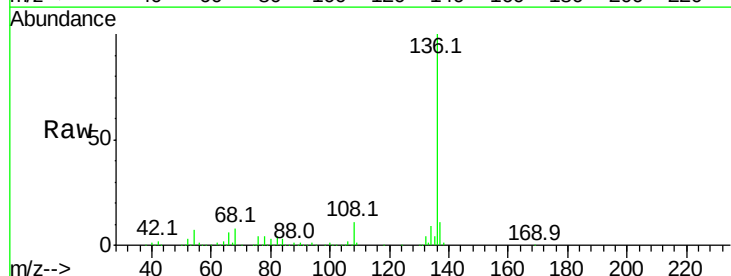
Instrument :
BNA_F
ClientSampleId :

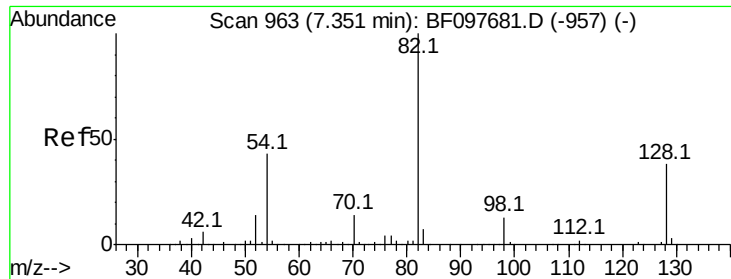
Tot Ion: 70 Resp: 80358
Ion Ratio Lower Upper
70 100
42 36.7 47.2 70.8#
101 0.0 7.2 10.8#
130 1.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.03 min
Lab File: BF098384.D
Acq: 9 Sep 2017 14:29

Tgt Ion:136 Resp: 422212
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.2 4.9 7.3
68 7.6 4.1 6.1#

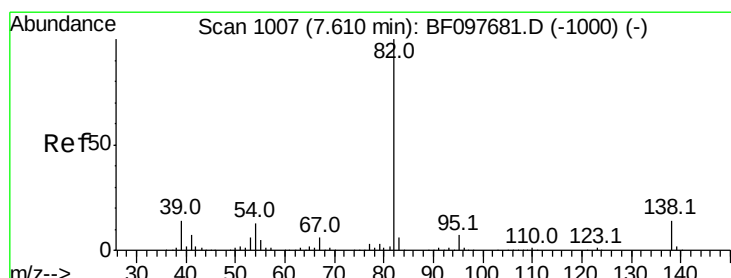
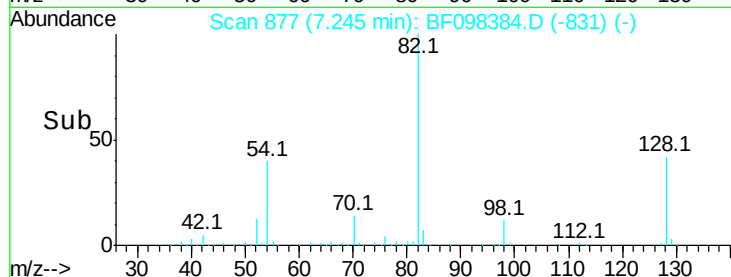
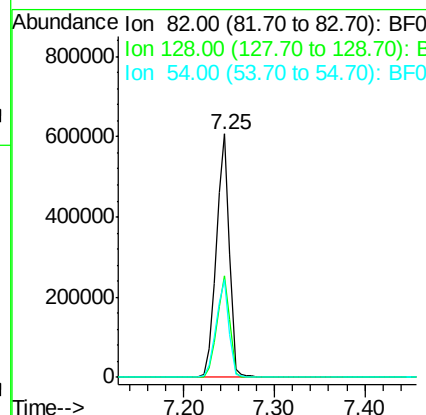
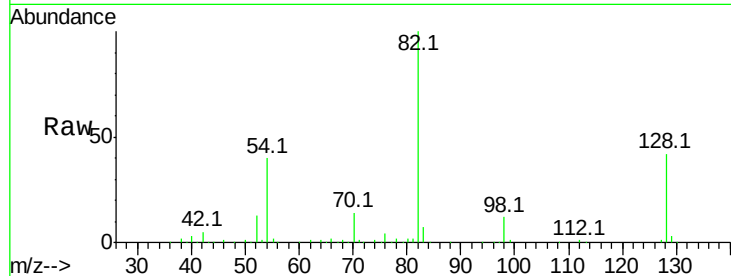




#23
 Nitrobenzene-d5
 Concen: 78.908 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.03 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

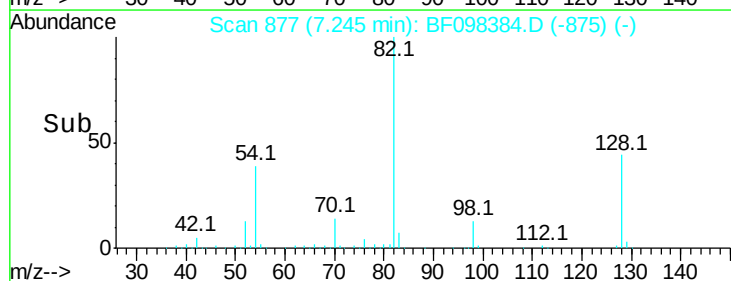
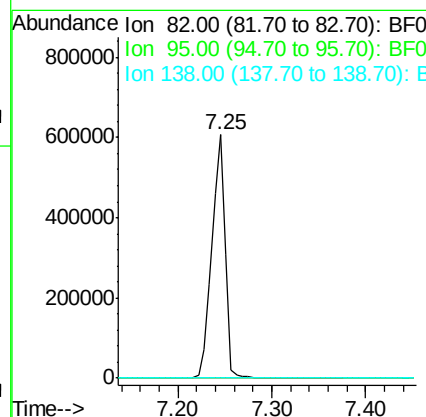
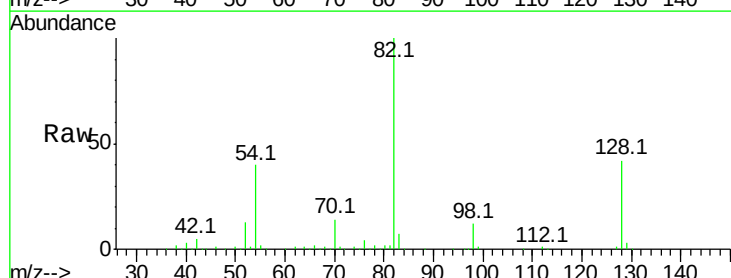
Instrument :
 BNA_F
 ClientSampleId :

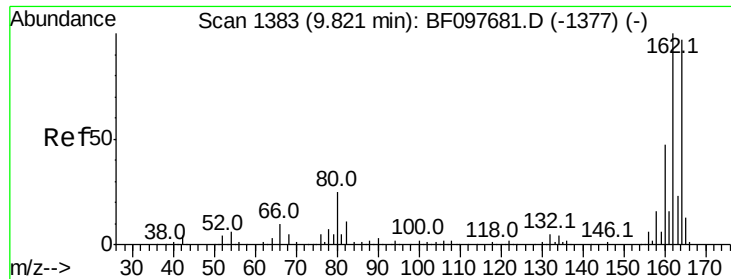
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.0	51.0
54	40.2	42.2	63.2#



#25
 Isophorone
 Concen: 37.948 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.29 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

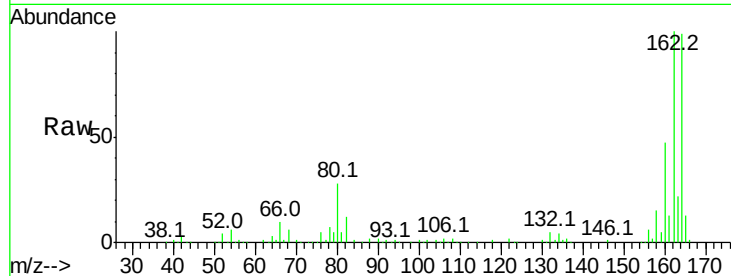




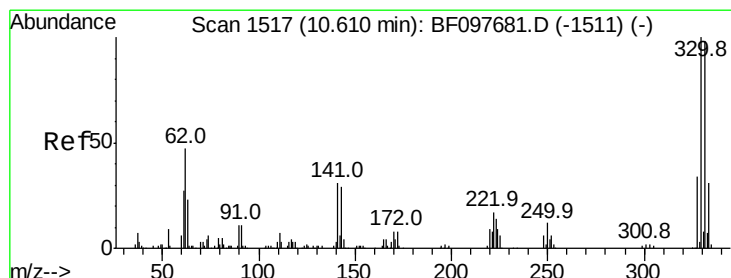
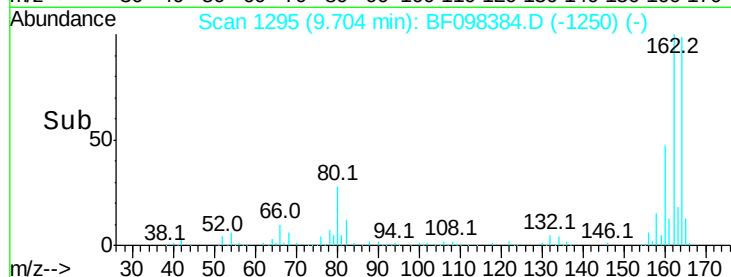
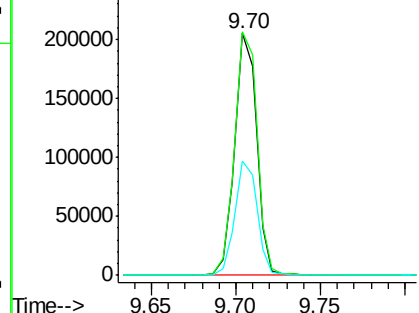
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.04 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 184976
 Ion Ratio Lower Upper
 164 100
 162 100.6 82.6 123.8
 160 47.5 36.2 54.2

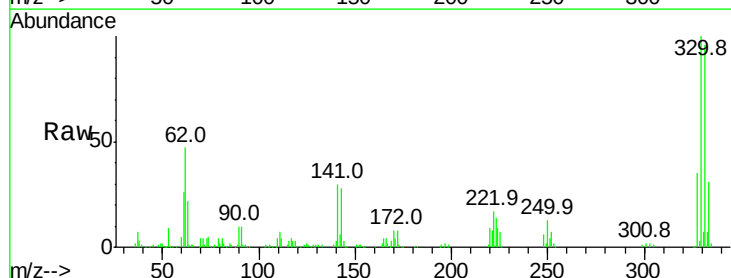


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

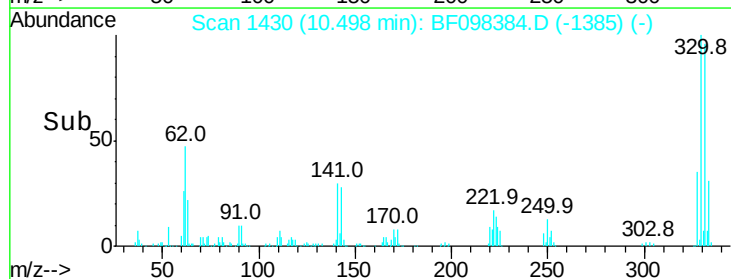
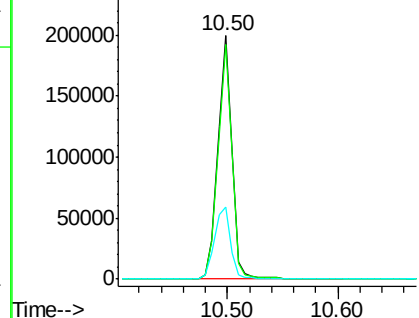


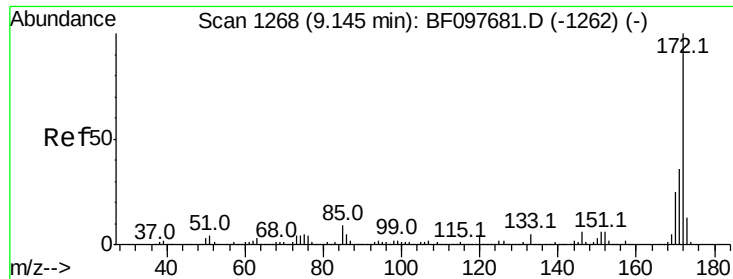
#41
 2,4,6-Tribromophenol
 Concen: 108.515 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.04 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

Tgt Ion:330 Resp: 174163
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 33.6 31.4 47.2



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

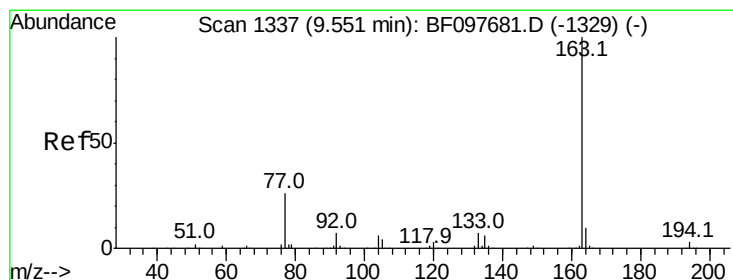
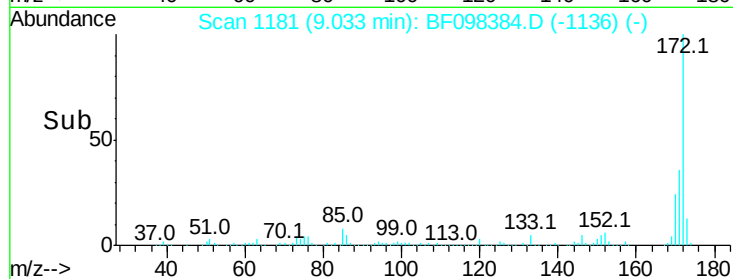
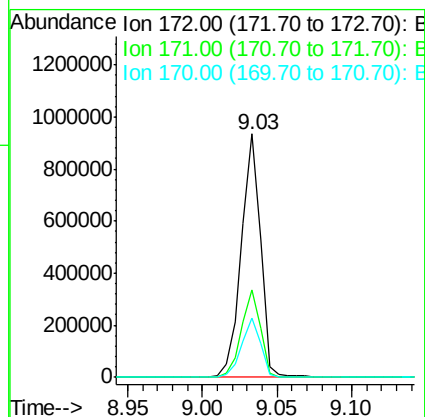
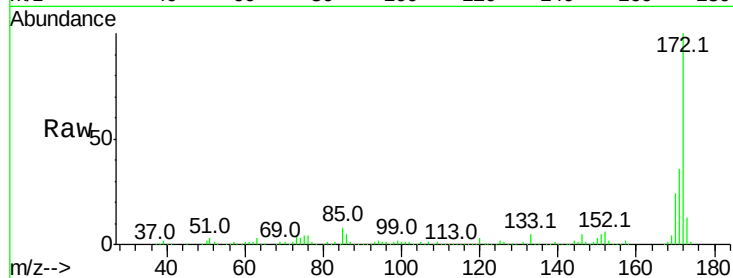




#44
 2-Fluorobiphenyl
 Concen: 67.100 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.04 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

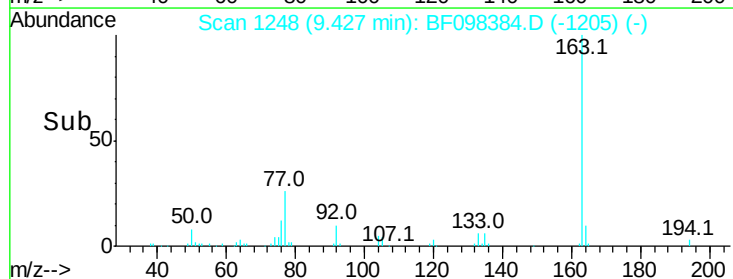
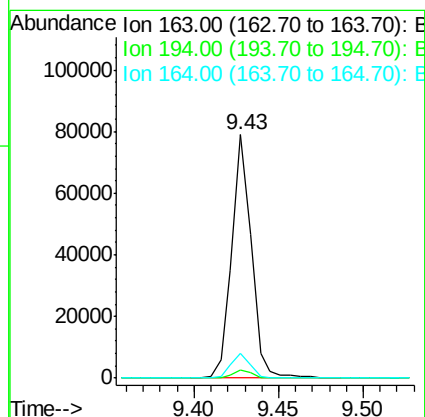
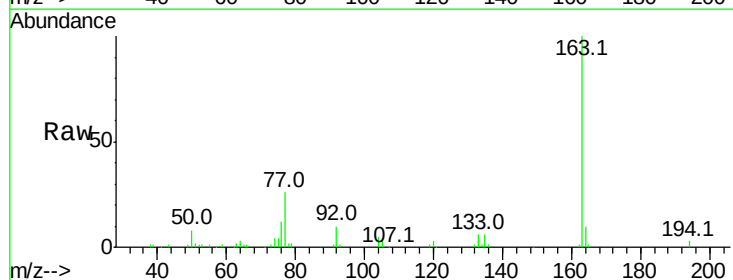
Instrument :
 BNA_F
 ClientSampleId :

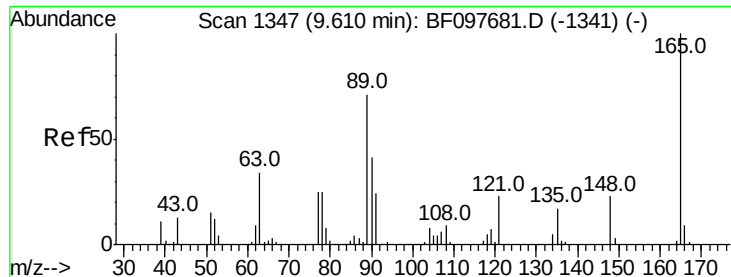
Tot Ion:172 Resp: 844808
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.1 19.8 29.8



#49
 Dimethylphthalate
 Concen: 4.709 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.05 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

Tgt Ion:163 Resp: 63670
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.6 4.0
 164 10.0 8.4 12.6

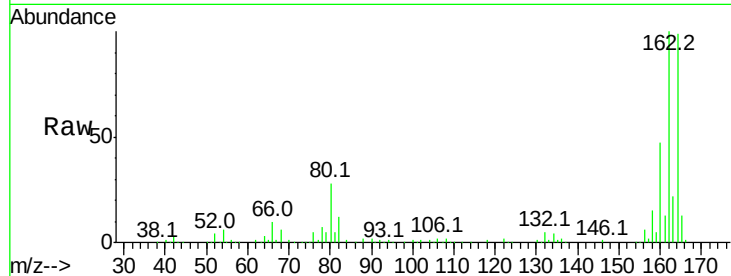




#50
 2,6-Dinitrotoluene
 Concen: 8.826 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. 0.16 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

Instrument :
 BNA_F
 ClientSampleId :

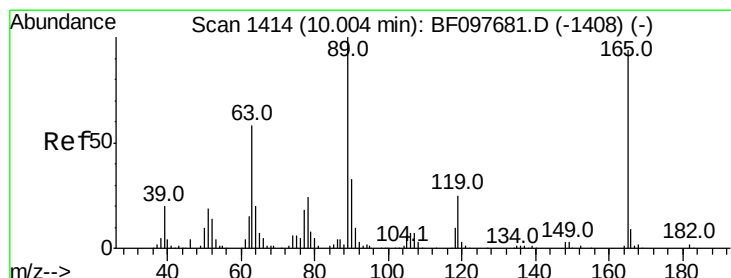
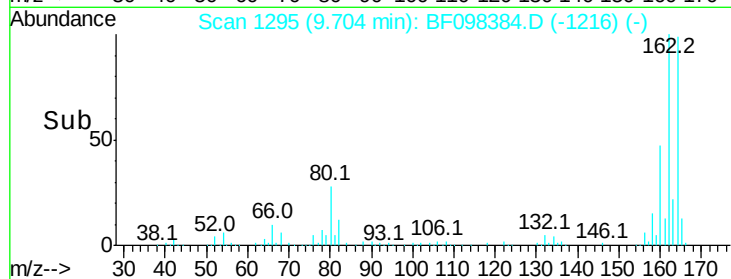
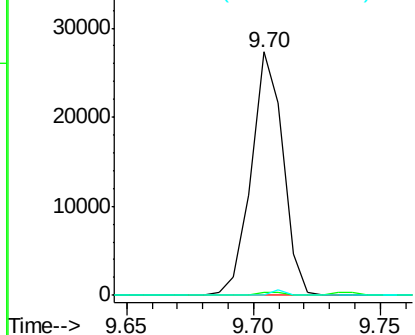
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.3	51.5#
89	0.0	37.1	55.7#



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: 7.033 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.24 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

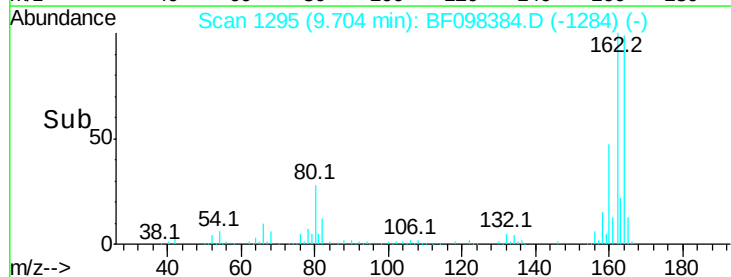
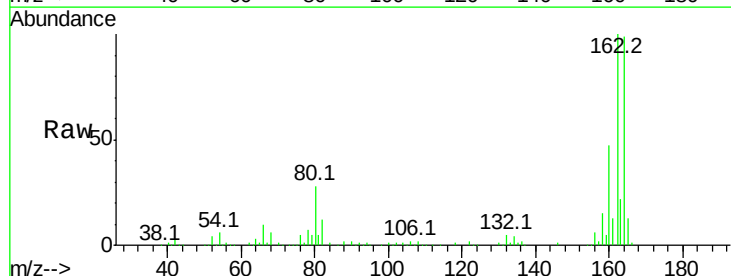
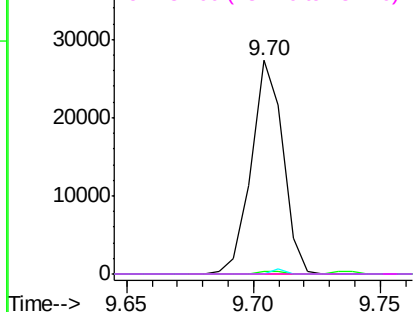
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

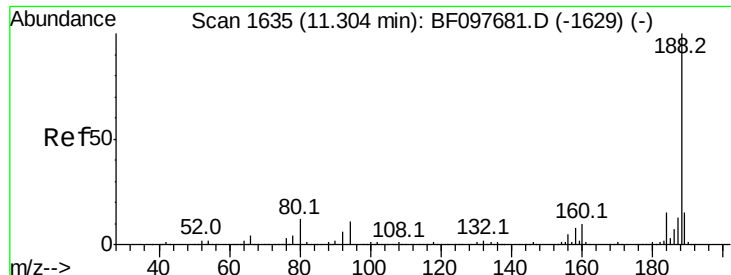
Abundance Ion 165.00 (164.70 to 165.70): E

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

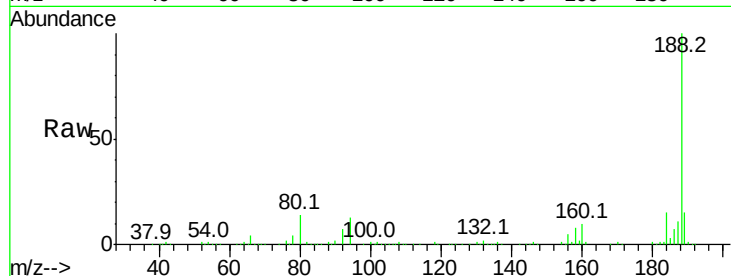




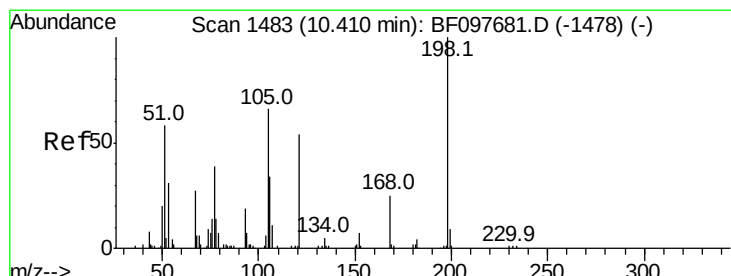
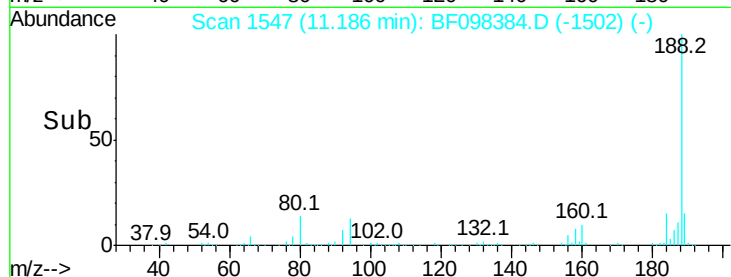
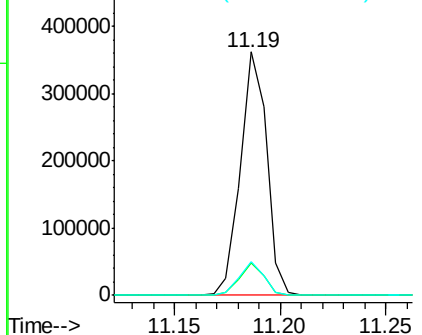
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.04 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 311361
 Ion Ratio Lower Upper
 188 100
 94 13.5 9.4 14.2
 80 13.8 10.2 15.2

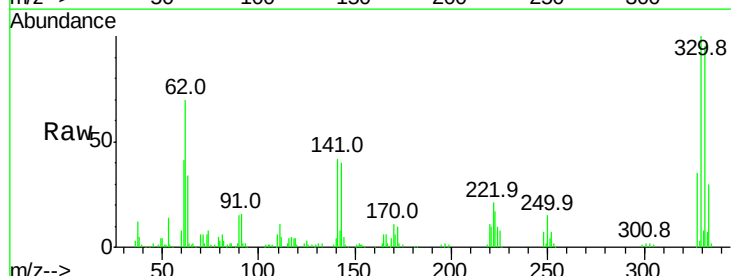


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

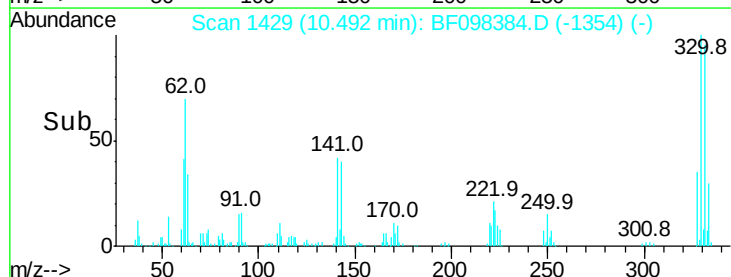
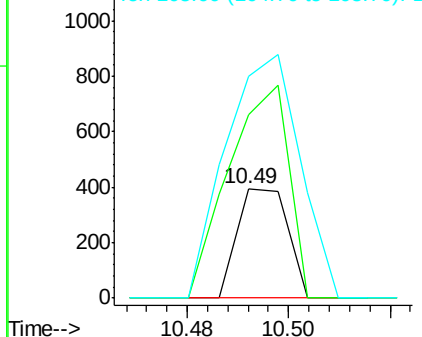


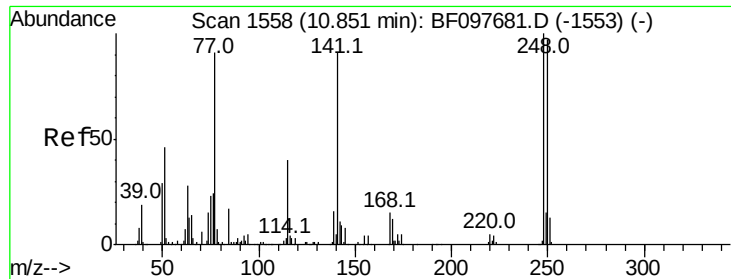
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.476 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.14 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

Tgt Ion:198 Resp: 275
 Ion Ratio Lower Upper
 198 100
 51 166.9 53.2 93.2#
 105 201.5 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

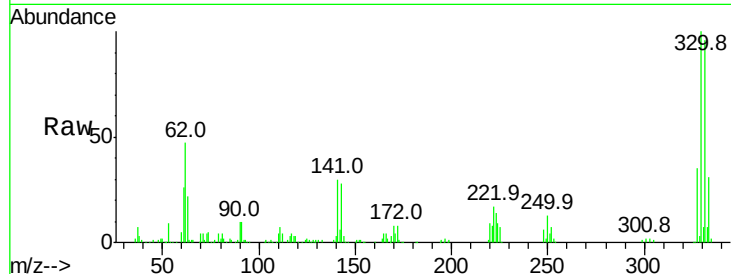




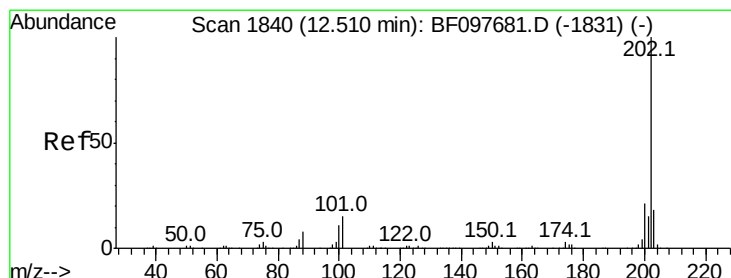
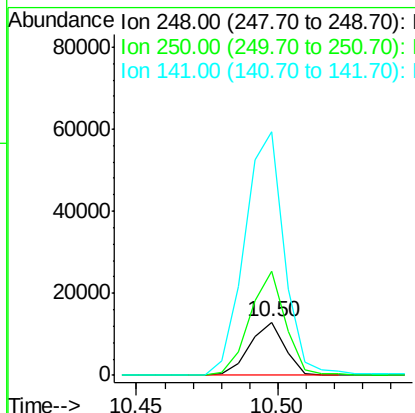
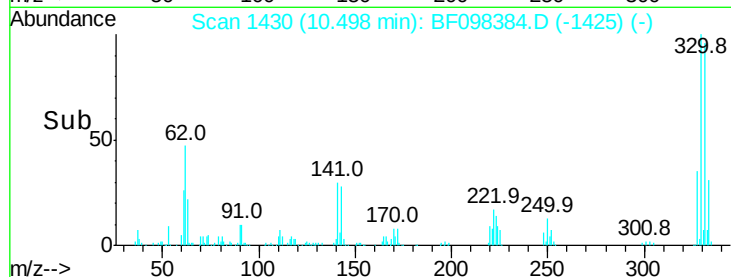
#66
 4-Bromophenyl-phenylether
 Concen: 3.442 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.27 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11128
 Ion Ratio Lower Upper
 248 100
 250 196.3 76.8 115.2#
 141 457.3 68.6 103.0#

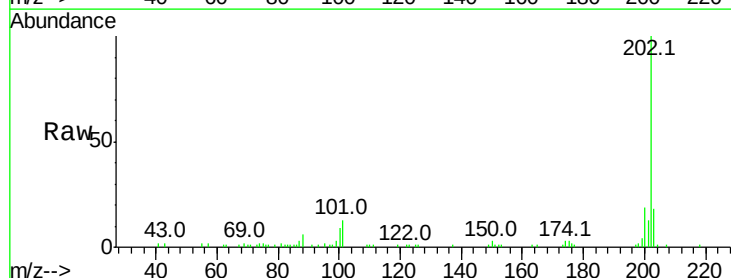


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

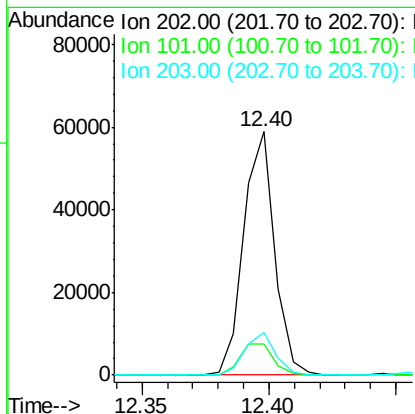
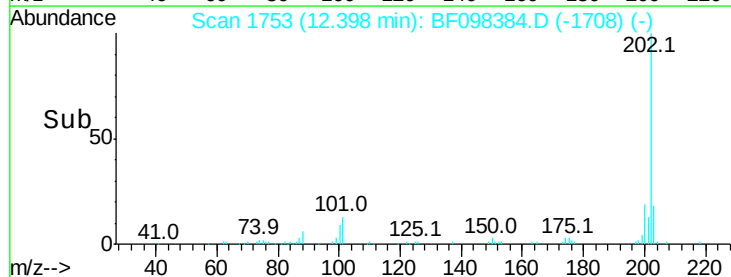


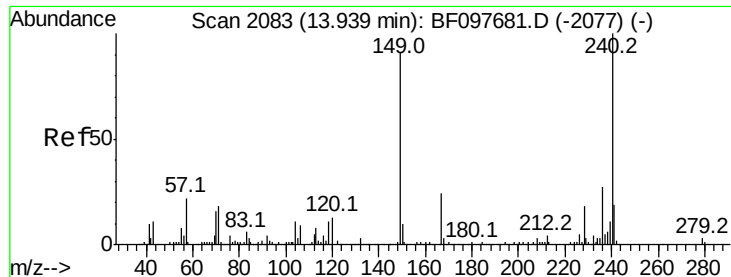
#74
 Fluoranthene
 Concen: 2.872 ng
 RT: 12.40 min Scan# 1753
 Delta R.T. -0.04 min
 Lab File: BF098384.D
 Acq: 9 Sep 2017 14:29

Tgt Ion:202 Resp: 49741
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 33.2
 203 17.7 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.04 min

Lab File: BF098384.D

Acq: 9 Sep 2017 14:29

Instrument :

BNA_F

ClientSampleId :

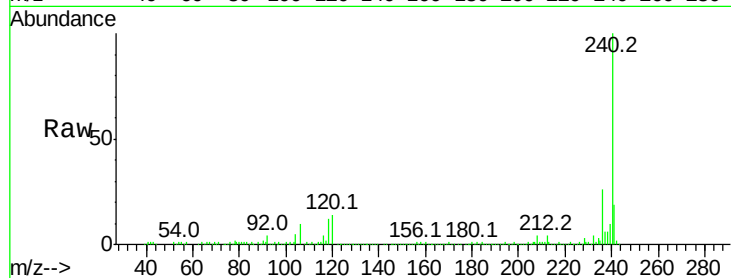
Tot Ion:240 Resp: 231851

Ion Ratio Lower Upper

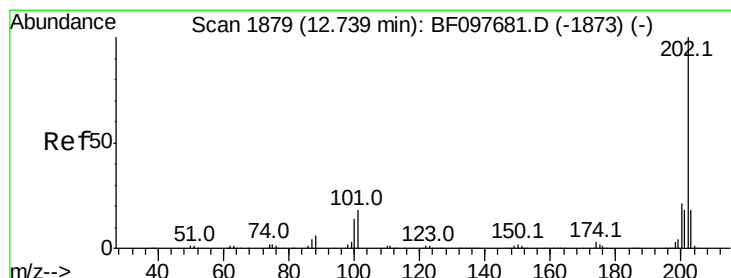
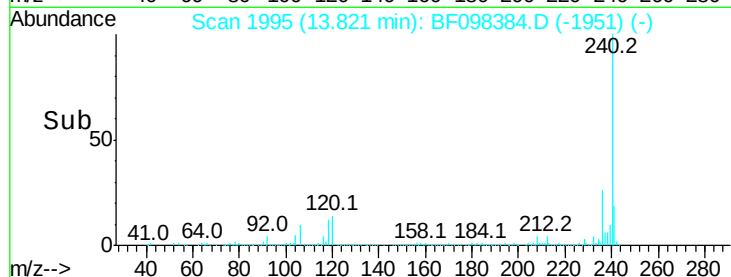
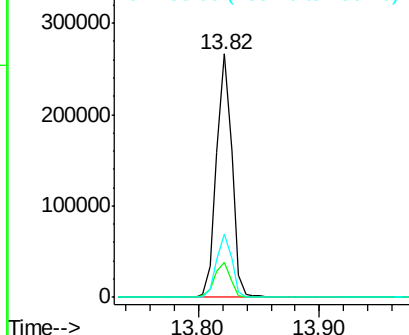
240 100

120 14.2 5.8 8.8#

236 25.9 20.5 30.7



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: 2.347 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.04 min

Lab File: BF098384.D

Acq: 9 Sep 2017 14:29

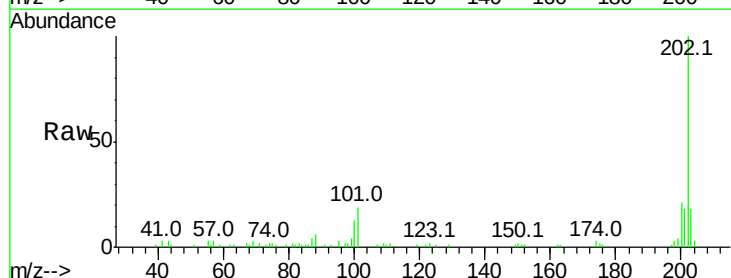
Tgt Ion:202 Resp: 44508

Ion Ratio Lower Upper

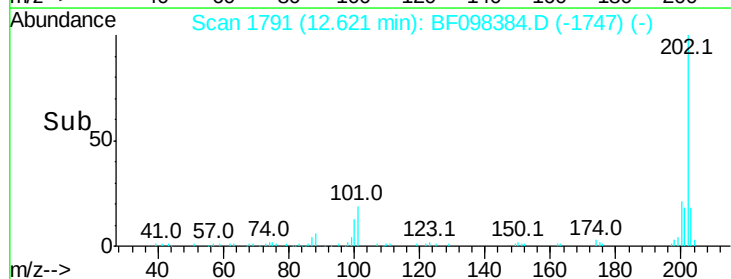
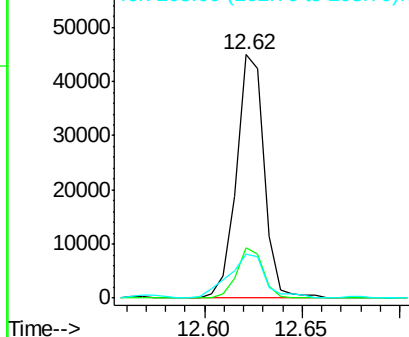
202 100

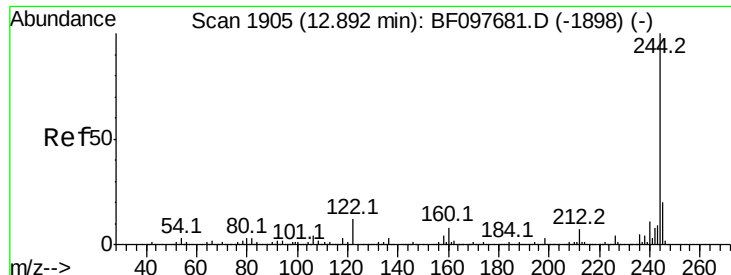
200 20.6 17.6 26.4

203 18.3 14.4 21.6



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: 52.903 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.04 min

Lab File: BF098384.D

Acq: 9 Sep 2017 14:29

Instrument :

BNA_F

ClientSampleId :

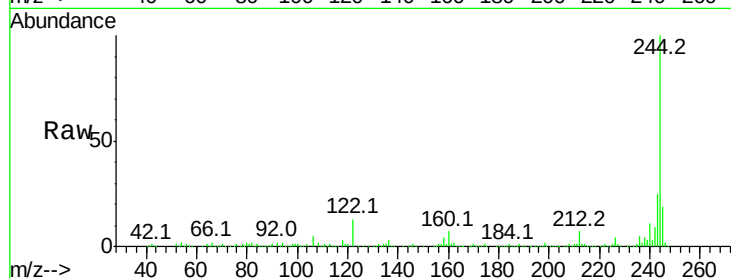
Tot Ion:244 Resp: 588184

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 12.5 10.3 15.5

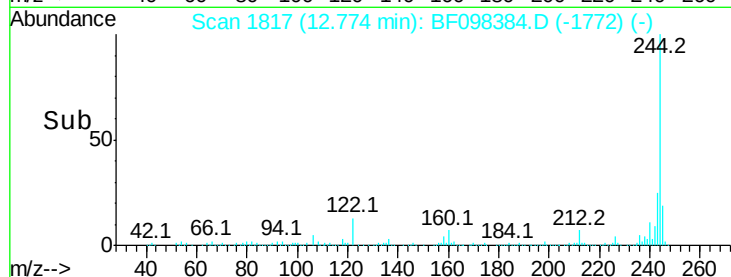


Abundance Ion 244.00 (243.70 to 244.70): E

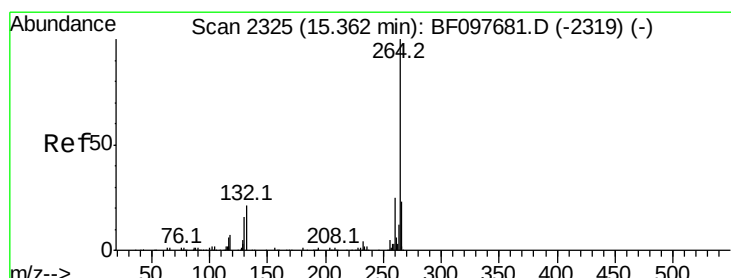
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 12.70 12.80



Time--> 12.70 12.80



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.04 min

Lab File: BF098384.D

Acq: 9 Sep 2017 14:29

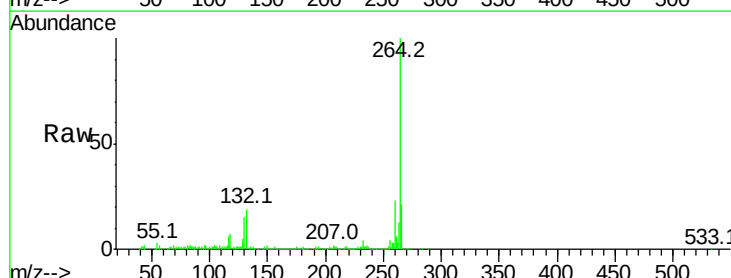
Tgt Ion:264 Resp: 229928

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 20.9 17.2 25.8

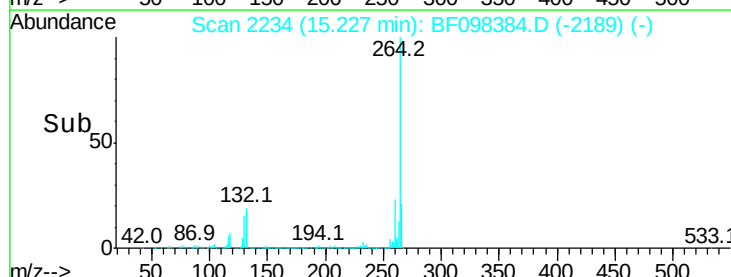


Abundance Ion 264.00 (263.70 to 264.70): E

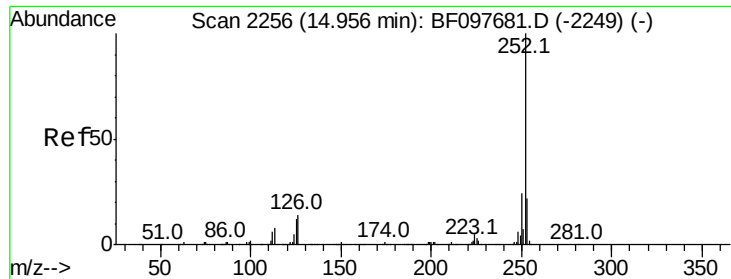
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time--> 15.20 15.30



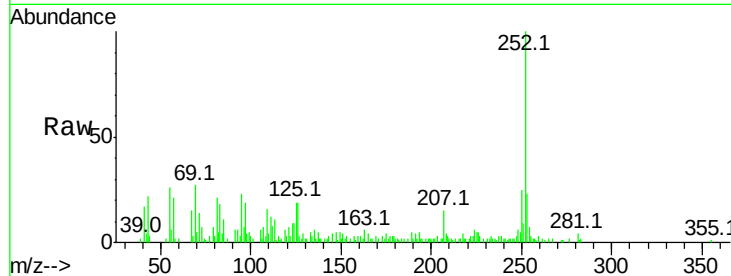
Time--> 15.20 15.30



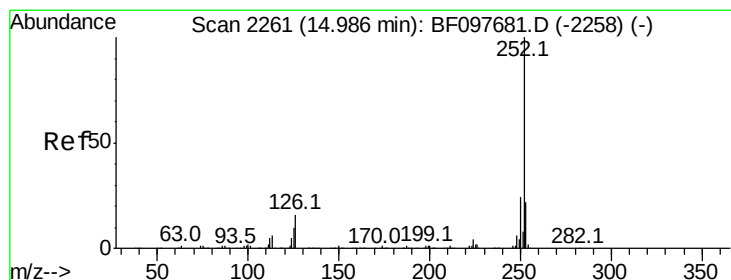
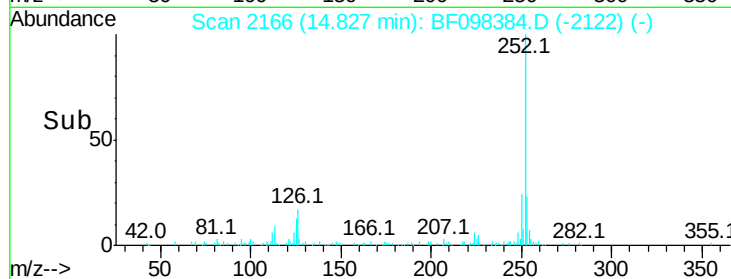
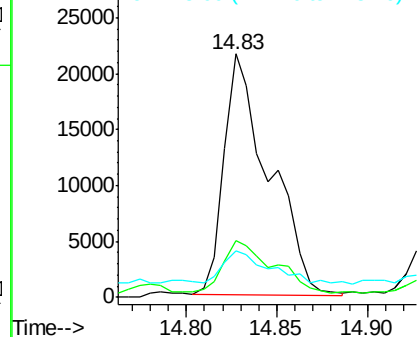
#87
Benzo(b)fluoranthene
Concen: 2.569 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.04 min
Lab File: BF098384.D
Acq: 9 Sep 2017 14:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 37238
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 19.3 9.8 14.8#

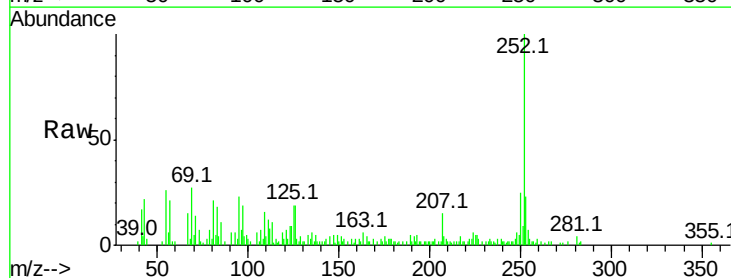


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.735 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.07 min
Lab File: BF098384.D
Acq: 9 Sep 2017 14:29

Tgt Ion:252 Resp: 37238
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 19.3 13.1 19.7



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

