

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099306.D
 Acq On : 10 Oct 2017 18:03
 Operator : SJ/JU
 Sample : I5714-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

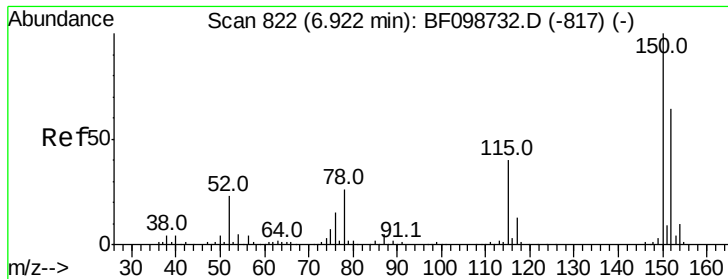
Quant Time: Oct 10 18:39:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	98696	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	396580	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	152694	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	225200	20.00	ng	0.00
75) Chrysene-d12	14.04	240	185245	20.00	ng	0.00
86) Perylene-d12	15.52	264	144471	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	680437	109.75	ng	0.00
7) Phenol-d6	6.50	99	818509	107.02	ng	0.00
23) Nitrobenzene-d5	7.43	82	470871	76.14	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	133879	107.15	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	837574	91.57	ng	0.00
78) Terphenyl-d14	12.98	244	561125	68.89	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.56	93	318683	30.873	ng	# 48
9) Benzaldehyde	6.64	77	13286	2.995	ng	# 87
11) bis(2-Chloroethyl)ether	6.56	93	318683	47.924	ng	# 22
19) n-Nitroso-di-n-propylamine	7.43	70	60433	12.376	ng	# 75
25) Isophorone	7.43	82	470865	36.828	ng	# 64
49) Dimethylphthalate	9.61	163	132514	11.498	ng	# 99
56) 2,4-Dinitrotoluene	9.90	165	19743	6.063	ng	# 22
66) 4-Bromophenyl-phenylether	10.69	248	9031	4.097	ng	# 1
74) Fluoranthene	12.60	202	46331	3.796	ng	# 97
77) Pyrene	12.84	202	48338	3.422	ng	# 99
80) Benzo(a)anthracene	14.03	228	23910	2.132	ng	# 89
82) Chrysene	14.06	228	28452	2.664	ng	# 95
87) Benzo(b)fluoranthene	15.08	252	41942	4.722	ng	# 74
88) Benzo(k)fluoranthene	15.08	252	41942	4.781	ng	# 77
89) Benzo(a)pyrene	15.45	252	19549	2.398	ng	# 73

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

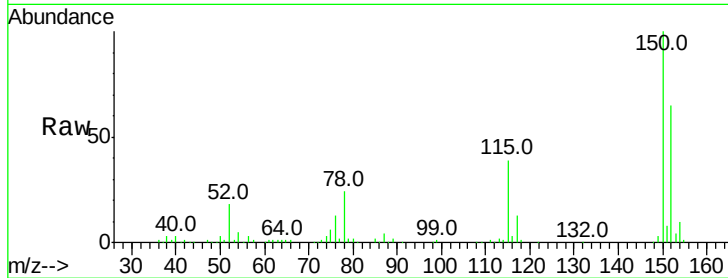


#1

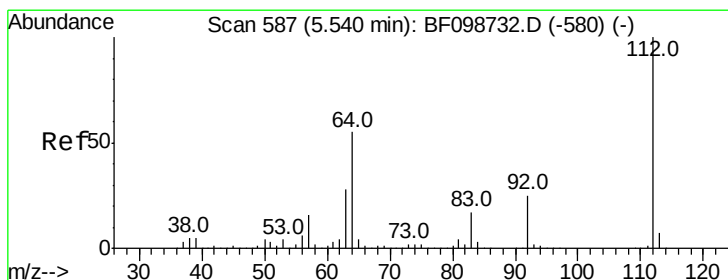
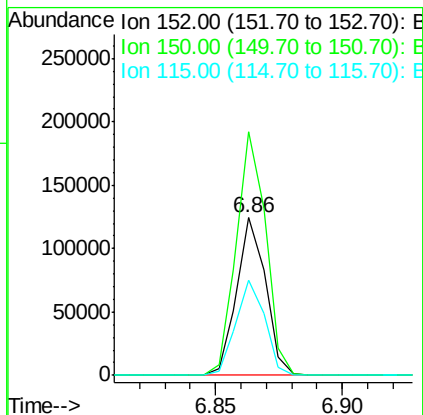
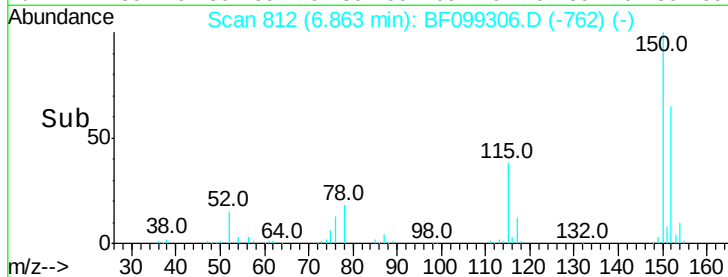
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099306.D
Acq: 10 Oct 2017 18:03

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 98696
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 60.0 50.1 75.1



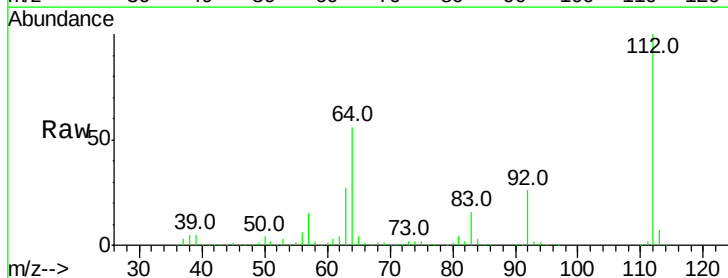
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



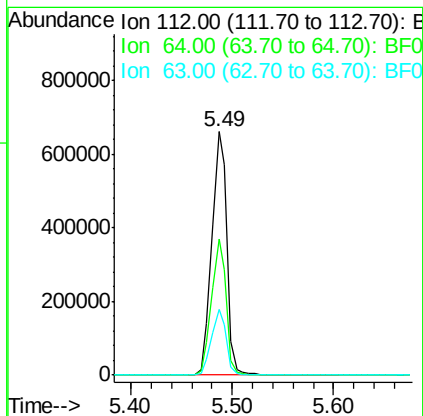
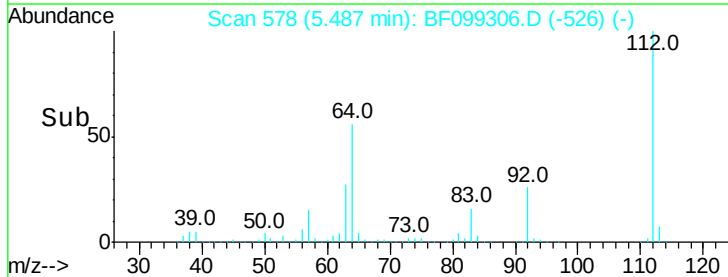
#5

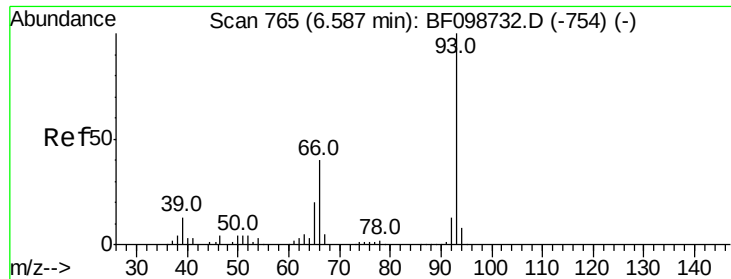
2-Fluorophenol
Concen: 109.750 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF099306.D
Acq: 10 Oct 2017 18:03

Tgt Ion:112 Resp: 680437
Ion Ratio Lower Upper
112 100
64 55.9 47.9 71.9
63 27.0 23.7 35.5



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





#6

Aniline

Concen: 30.873 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.03 min

Lab File: BF099306.D

Acq: 10 Oct 2017 18:03

Instrument :

BNA_F

ClientSampleId :

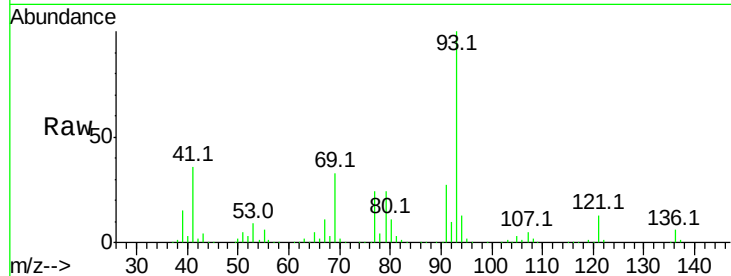
Tot Ion: 93 Resp: 318683

Ion Ratio Lower Upper

93 100

66 2.0 32.2 48.2#

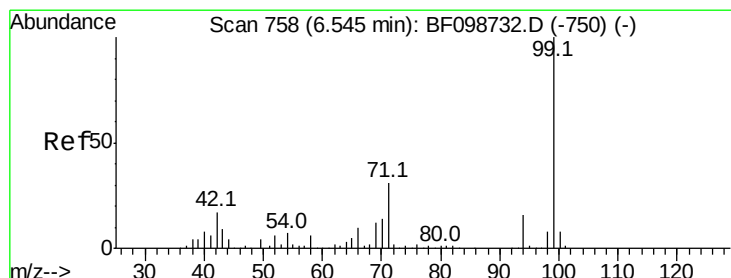
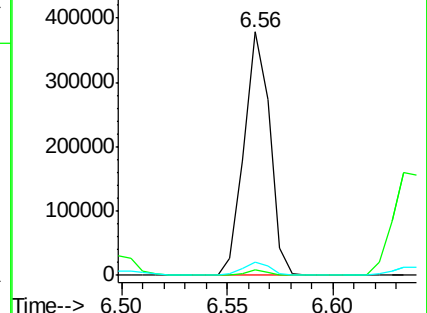
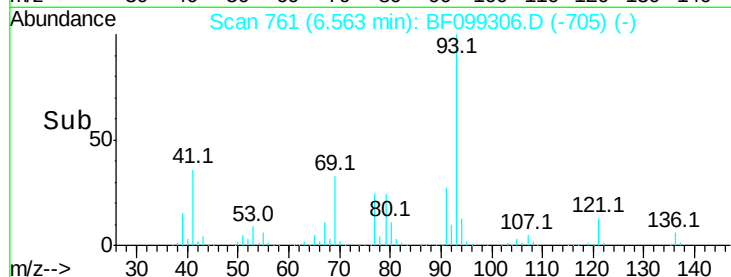
65 5.4 16.4 24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 107.019 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099306.D

Acq: 10 Oct 2017 18:03

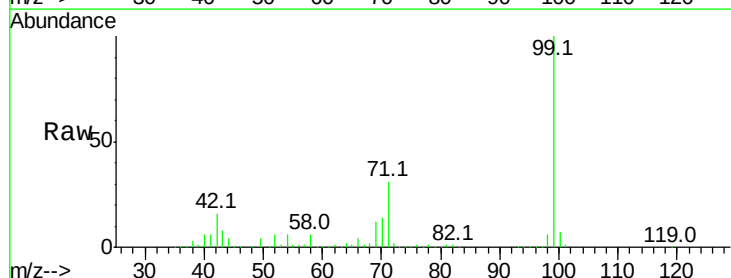
Tgt Ion: 99 Resp: 818509

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

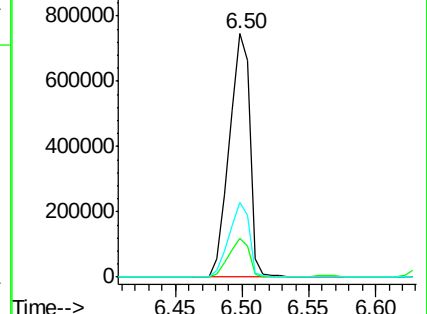
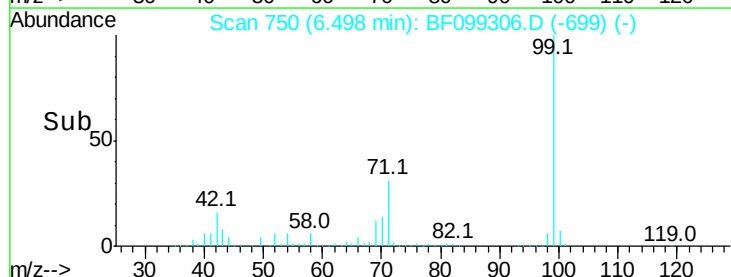
71 30.7 25.4 38.0

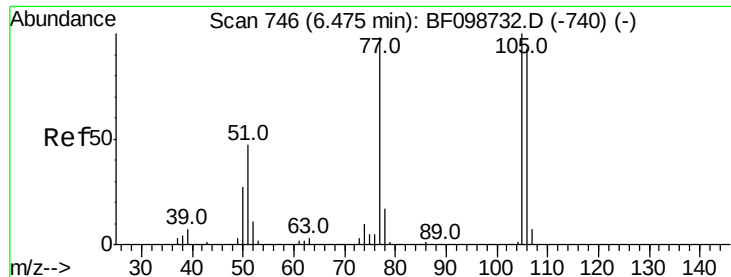


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyd

Concen: 2.995 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099306.D

Acq: 10 Oct 2017 18:03

Instrument :

BNA_F

ClientSampleId :

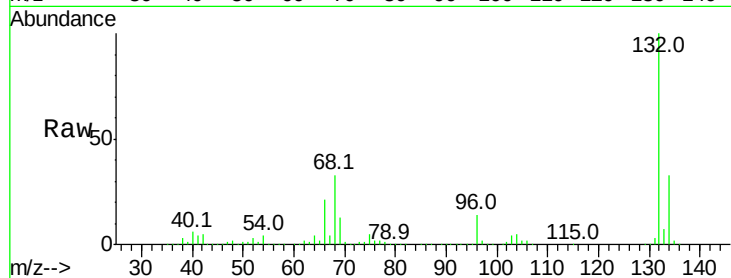
Tot Ion: 77 Resp: 13286

Ion Ratio Lower Upper

77 100

105 87.5 81.1 121.1

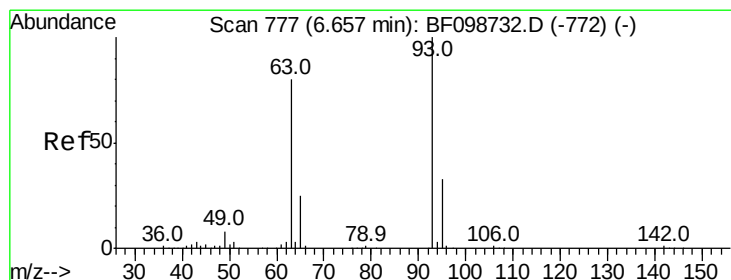
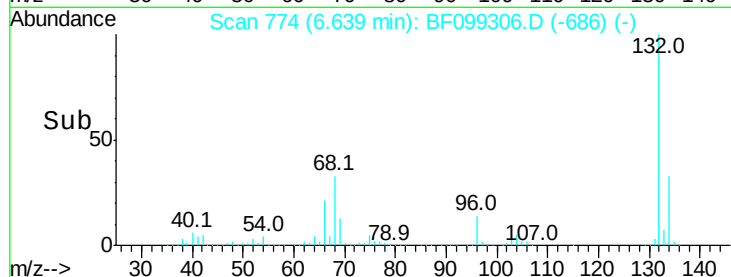
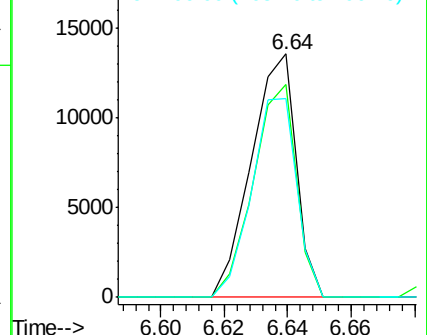
106 81.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 47.924 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.04 min

Lab File: BF099306.D

Acq: 10 Oct 2017 18:03

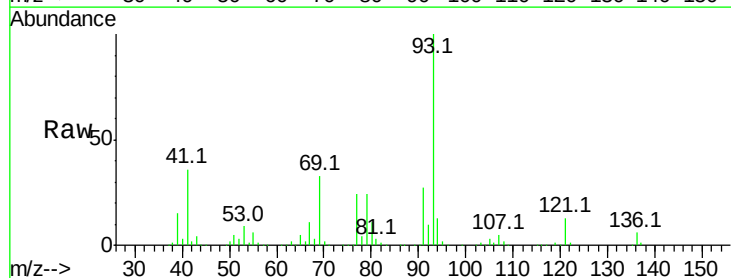
Tgt Ion: 93 Resp: 318683

Ion Ratio Lower Upper

93 100

63 1.7 58.6 98.6#

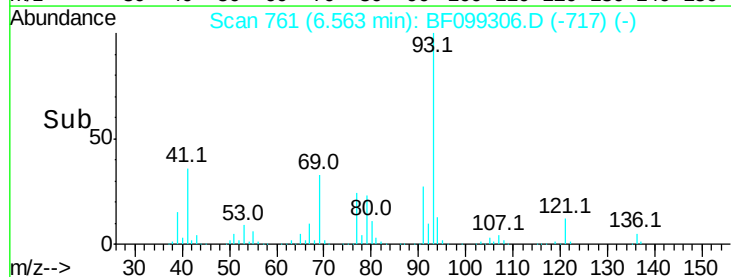
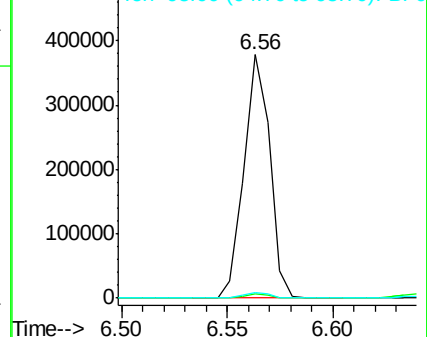
95 2.2 11.8 51.8#

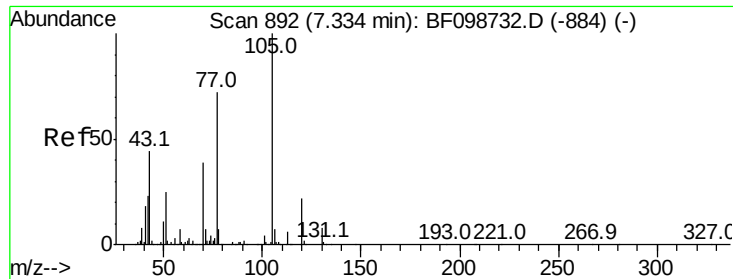


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

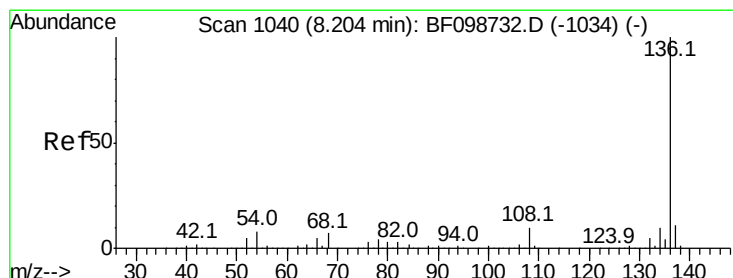
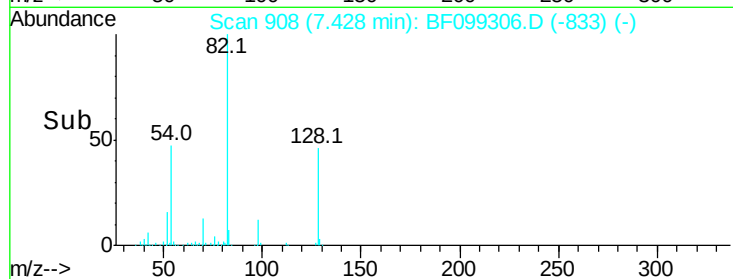
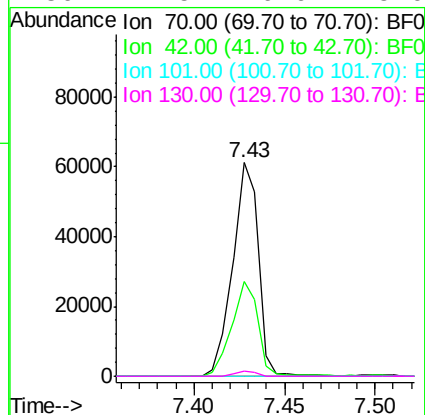
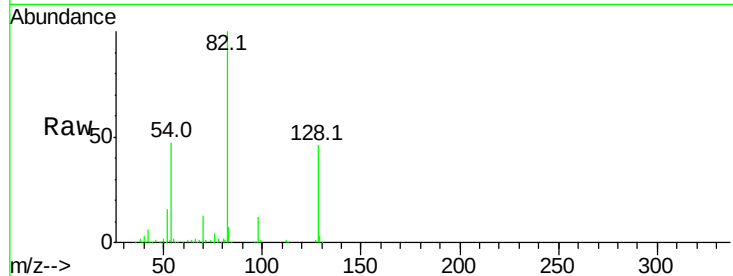




#19
n-Nitroso-di-n-propylamine
Concen: 12.376 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF099306.D
Acq: 10 Oct 2017 18:03

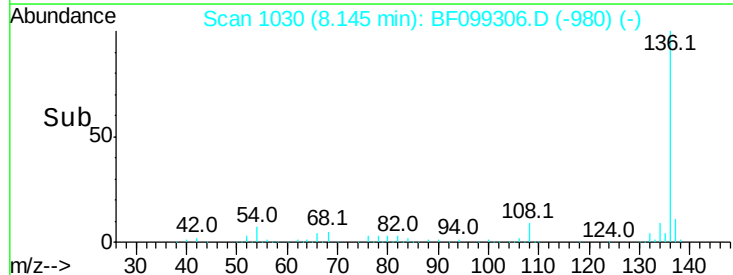
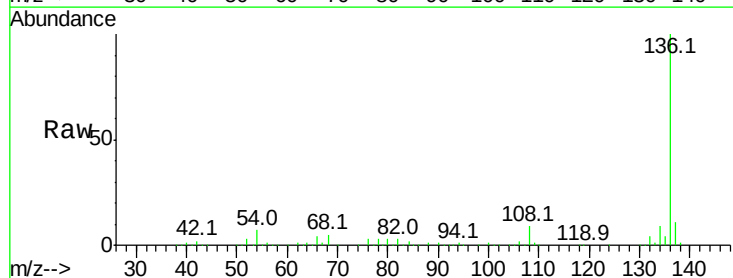
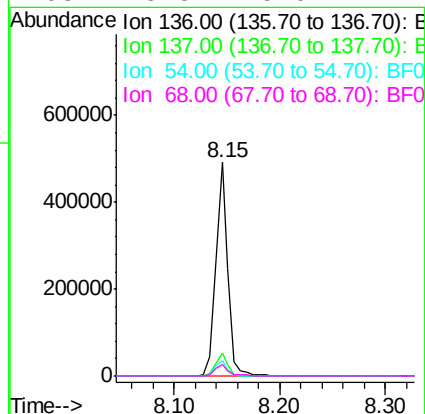
Instrument :
BNA_F
ClientSampleId :

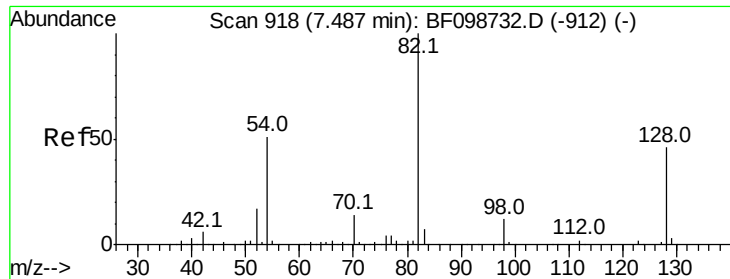
Tot Ion: 70 Resp: 60433
Ion Ratio Lower Upper
70 100
42 44.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099306.D
Acq: 10 Oct 2017 18:03

Tgt Ion:136 Resp: 396580
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.0 6.6 9.8
68 5.3 5.0 7.4

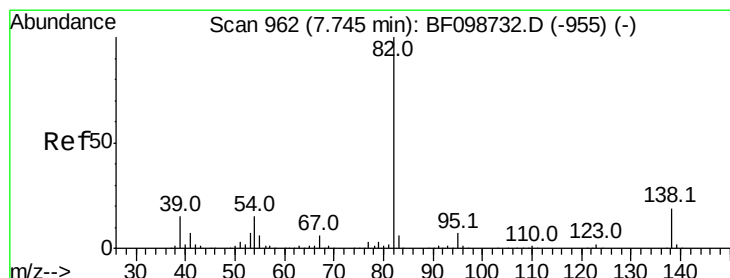
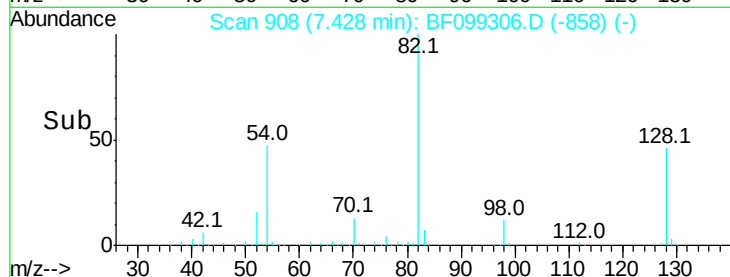
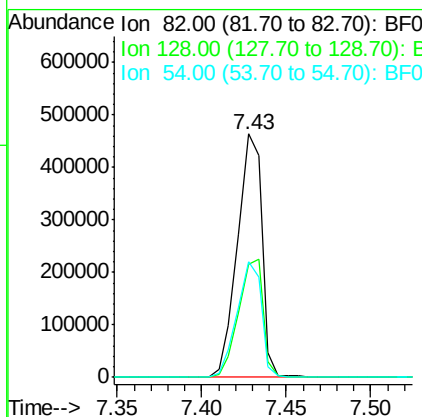
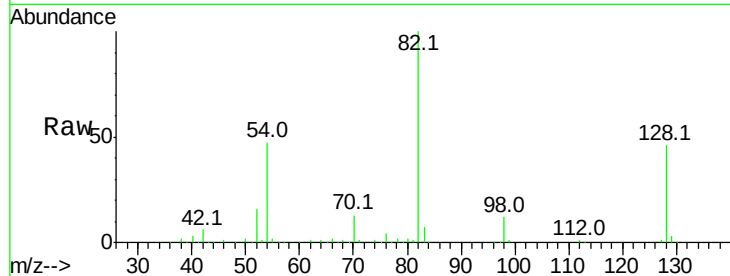




#23
 Nitrobenzene-d5
 Concen: 76.144 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099306.D
 Acq: 10 Oct 2017 18:03

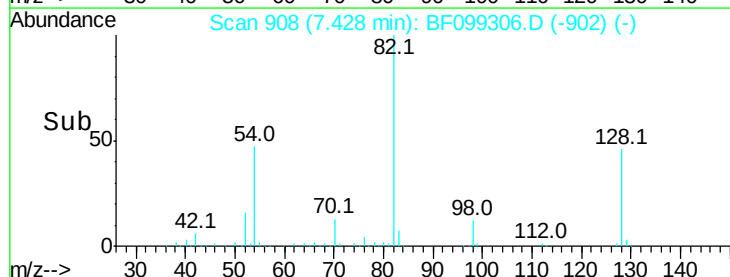
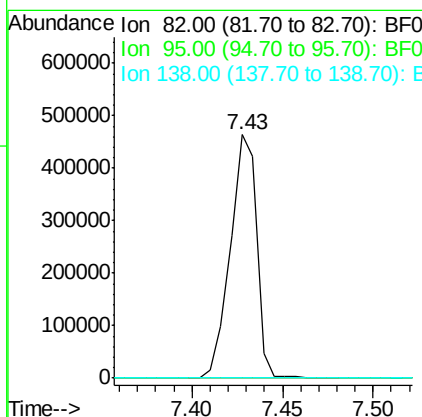
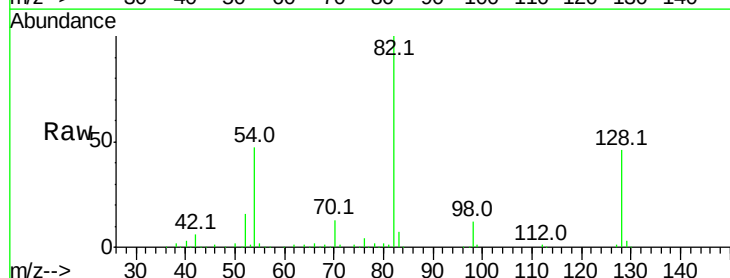
Instrument :
 BNA_F
 ClientSampleId :

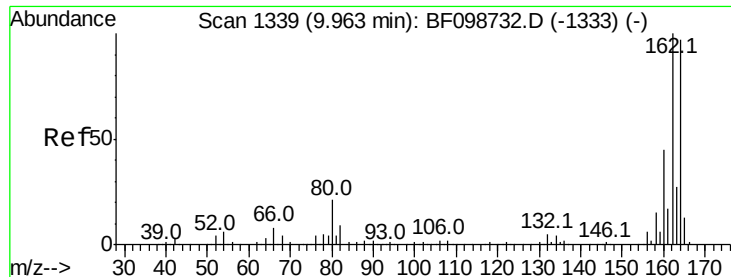
Tot Ion	82	Resp	470871
Ion Ratio	100	Lower	Upper
128	46.4	36.1	54.1
54	47.4	41.4	62.2



#25
 Isophorone
 Concen: 36.828 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF099306.D
 Acq: 10 Oct 2017 18:03

Tgt Ion	82	Resp	470865
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

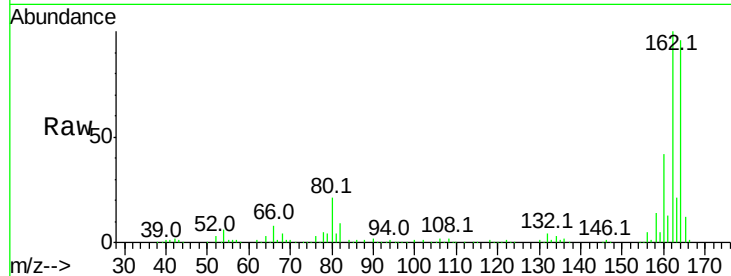




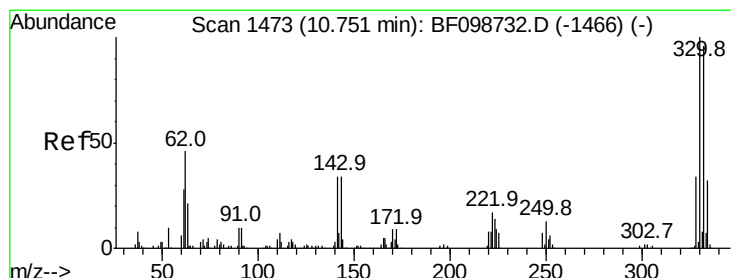
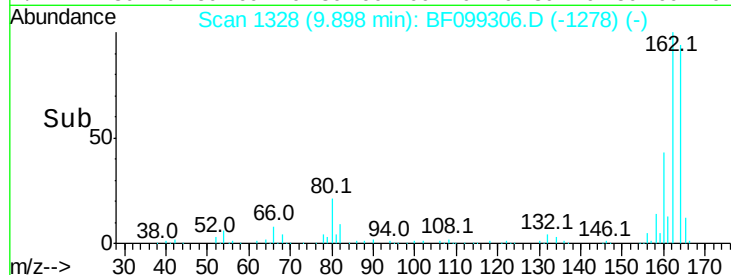
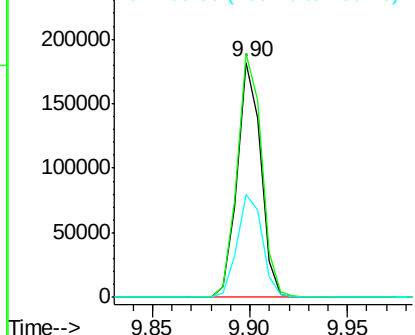
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099306.D
Acq: 10 Oct 2017 18:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 152694
Ion Ratio Lower Upper
164 100
162 103.7 86.1 129.1
160 44.0 38.3 57.5

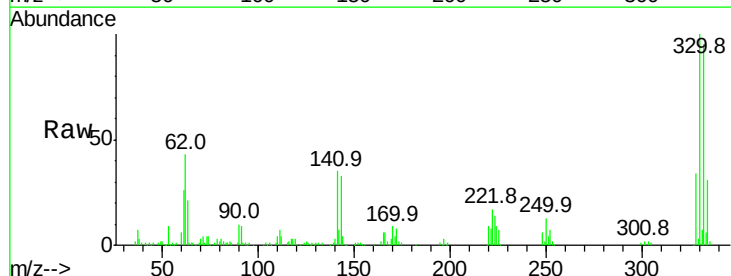


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

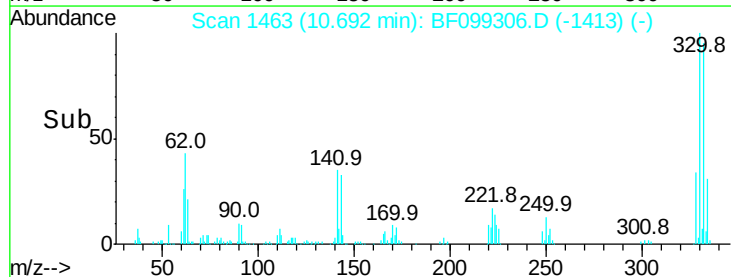
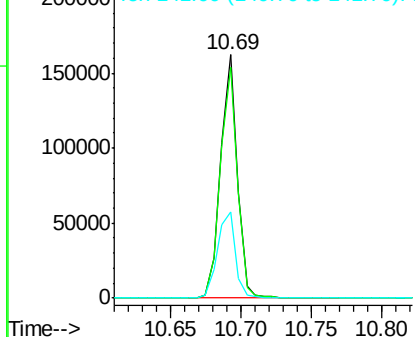


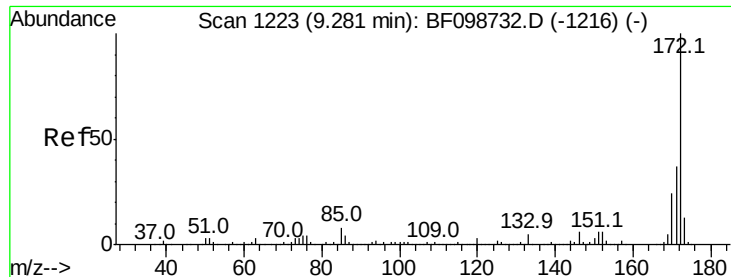
#41
2,4,6-Tribromophenol
Concen: 107.150 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF099306.D
Acq: 10 Oct 2017 18:03

Tgt Ion:330 Resp: 133879
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 38.5 29.9 44.9



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

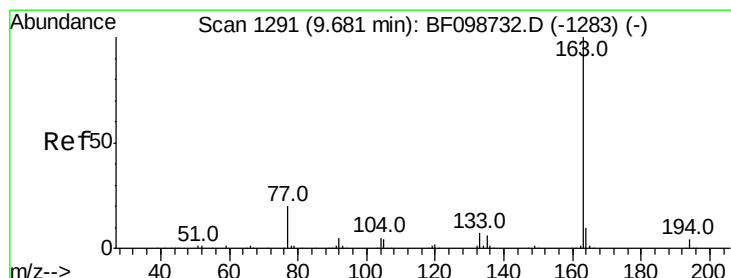
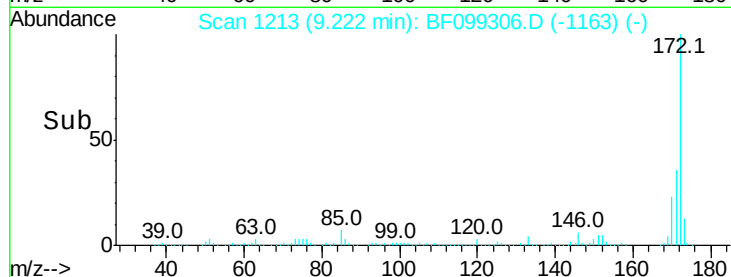
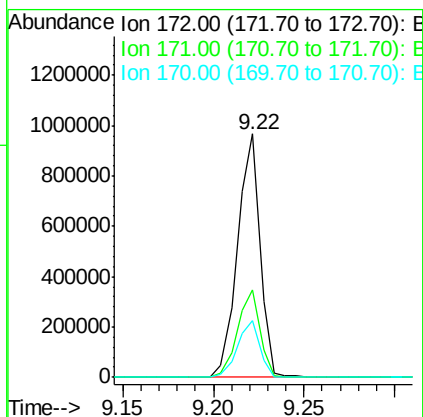
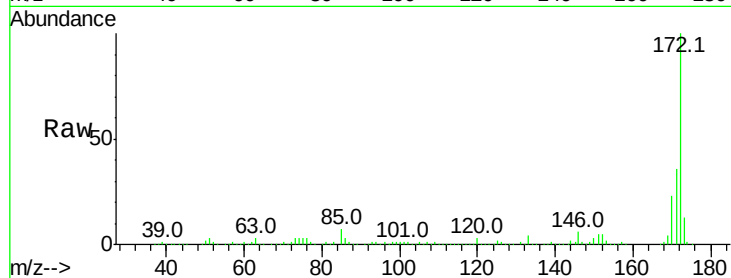




#44
2-Fluorobiphenyl
Concen: 91.573 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF099306.D
Acq: 10 Oct 2017 18:03

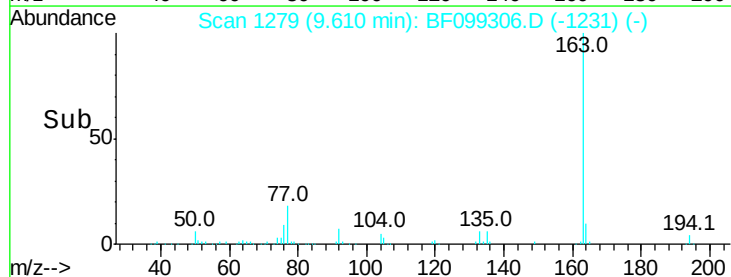
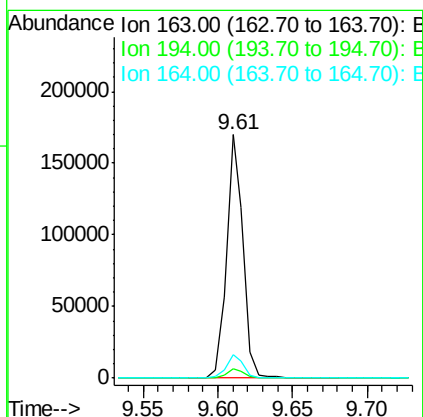
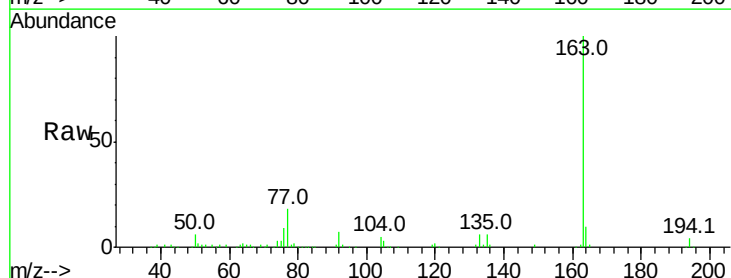
Instrument :
BNA_F
ClientSampleId :

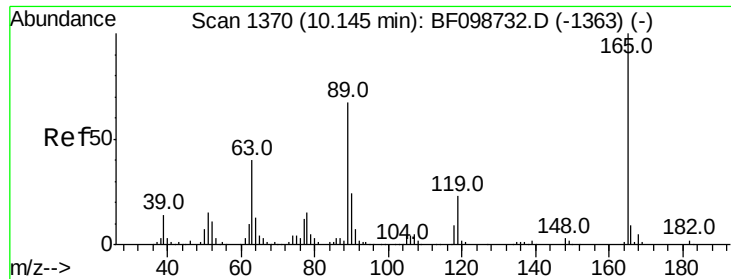
Tot Ion:172 Resp: 837574
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 23.4 19.6 29.4



#49
Dimethylphthalate
Concen: 11.498 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099306.D
Acq: 10 Oct 2017 18:03

Tgt Ion:163 Resp: 132514
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.8 8.2 12.2

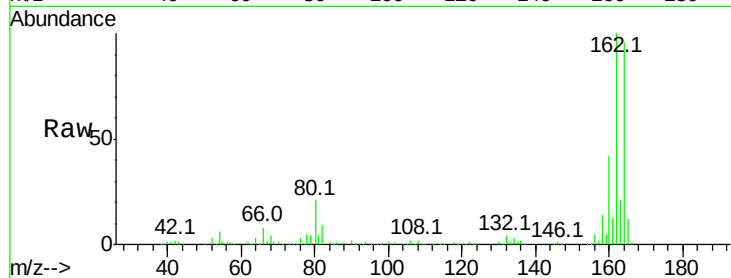




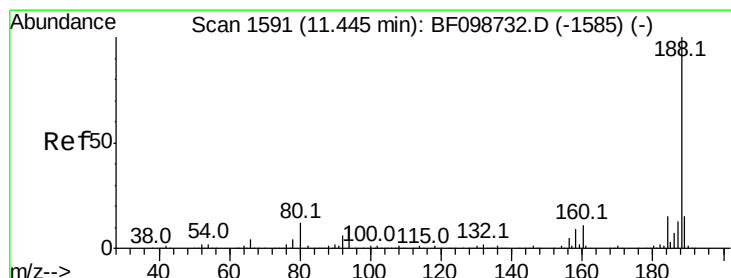
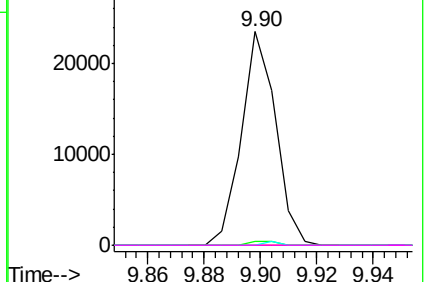
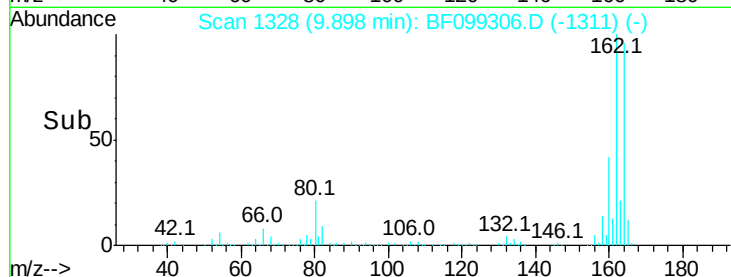
#56
 2,4-Dinitrotoluene
 Concen: 6.063 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099306.D
 Acq: 10 Oct 2017 18:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 19743
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

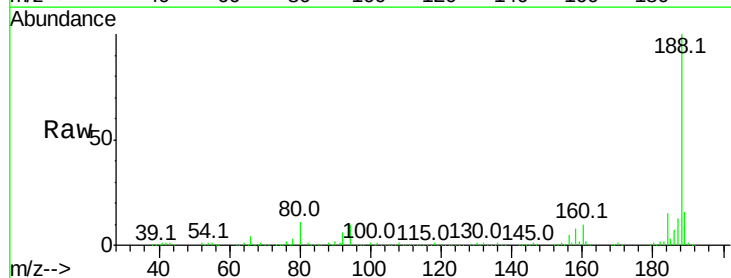


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

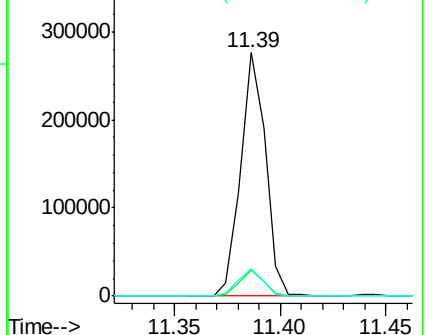
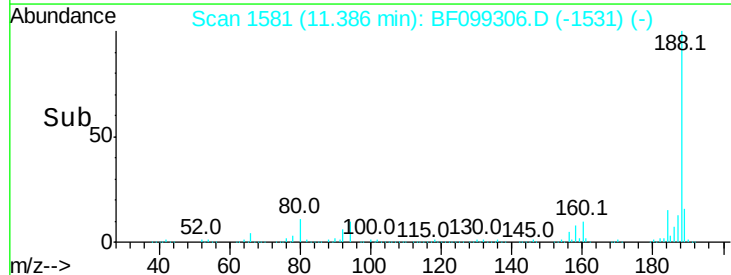


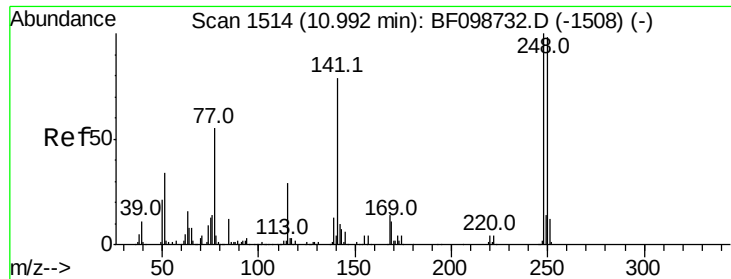
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099306.D
 Acq: 10 Oct 2017 18:03

Tgt Ion:188 Resp: 225200
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.5 9.2 13.8



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

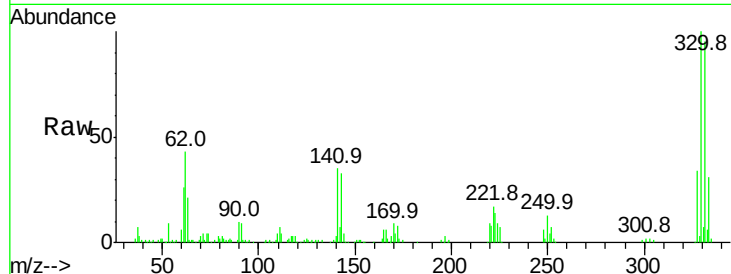




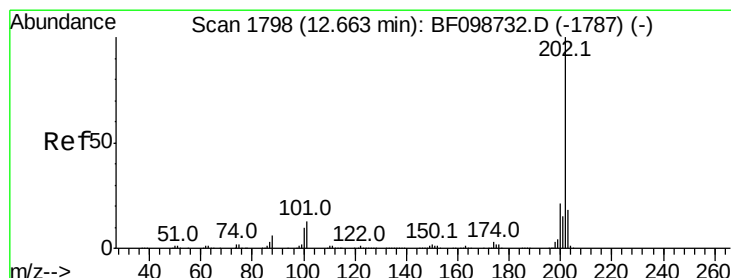
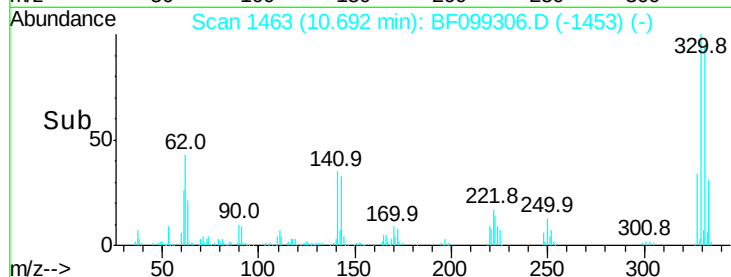
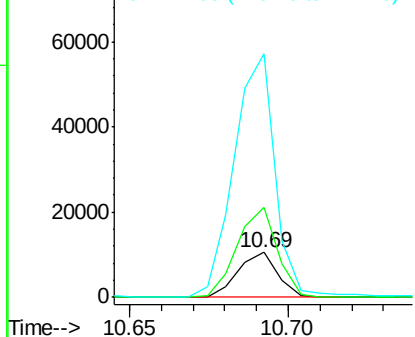
#66
4-Bromophenyl-phenylether
Concen: 4.097 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099306.D
Acq: 10 Oct 2017 18:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9031
Ion Ratio Lower Upper
248 100
250 200.3 76.9 115.3#
141 543.7 74.4 111.6#

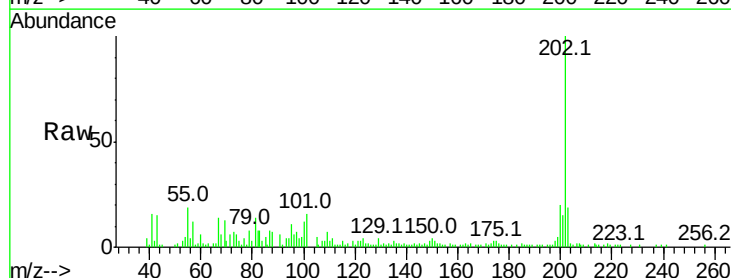


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

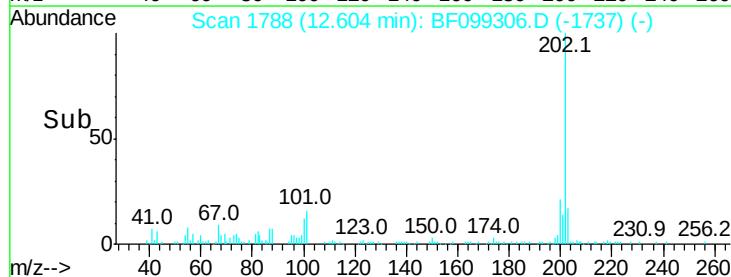
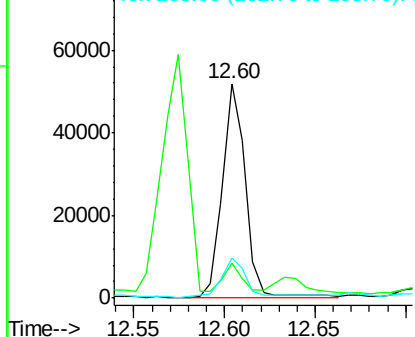


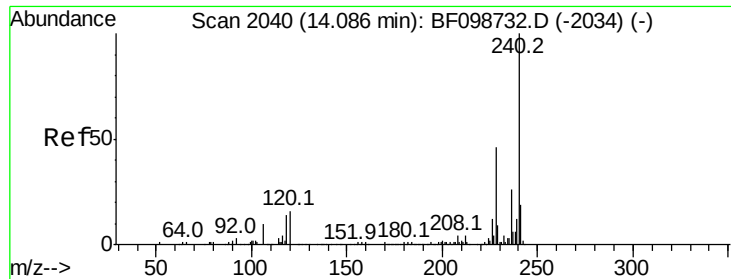
#74
Fluoranthene
Concen: 3.796 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BF099306.D
Acq: 10 Oct 2017 18:03

Tgt Ion:202 Resp: 46331
Ion Ratio Lower Upper
202 100
101 16.4 0.0 34.1
203 18.6 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: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF099306.D

Acq: 10 Oct 2017 18:03

Instrument :

BNA_F

ClientSampleId :

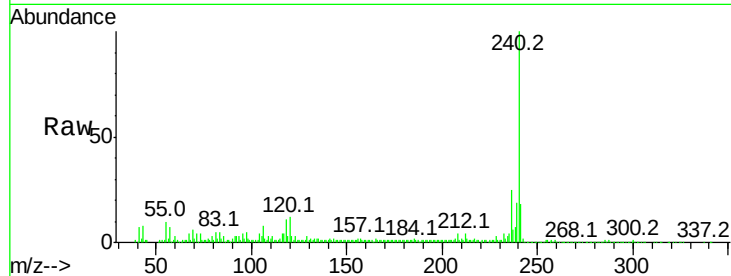
Tot Ion:240 Resp: 185245

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

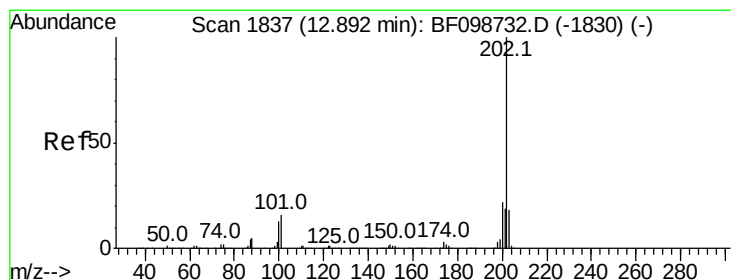
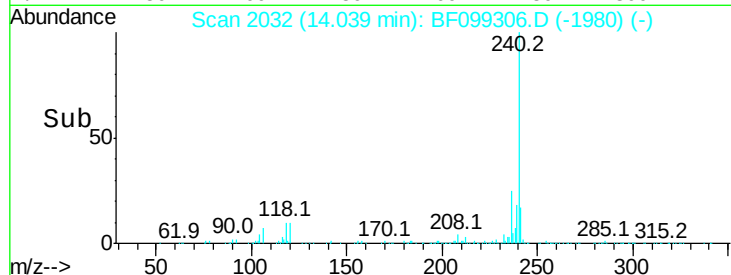
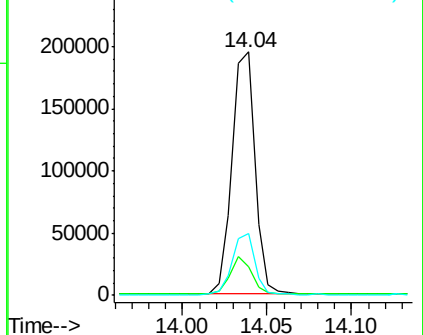
236 25.2 20.7 31.1



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: 3.422 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.00 min

Lab File: BF099306.D

Acq: 10 Oct 2017 18:03

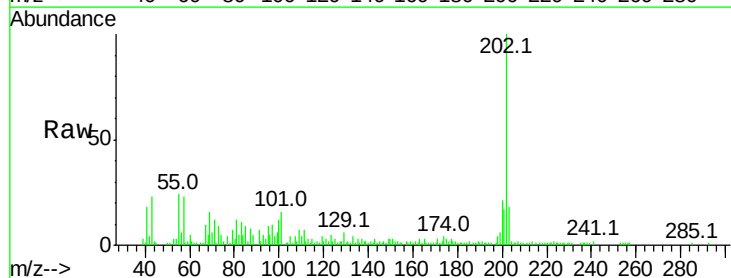
Tgt Ion:202 Resp: 48338

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

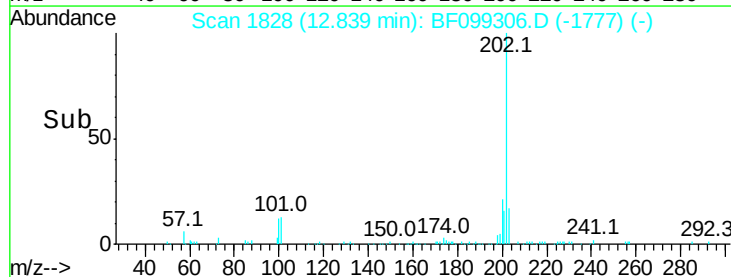
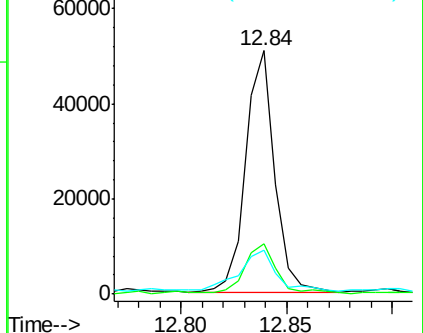
203 17.9 14.3 21.5

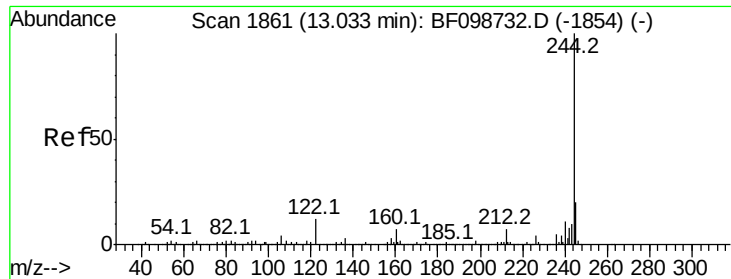


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

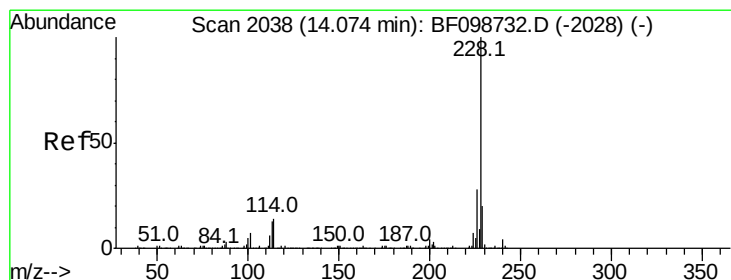
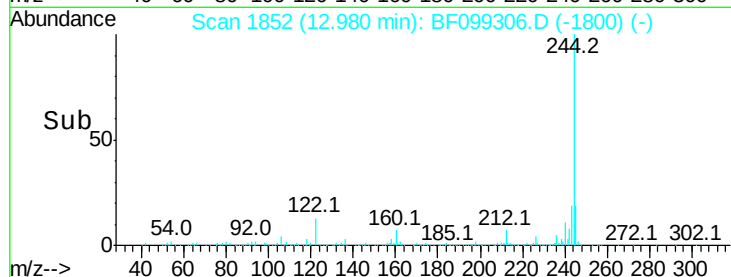
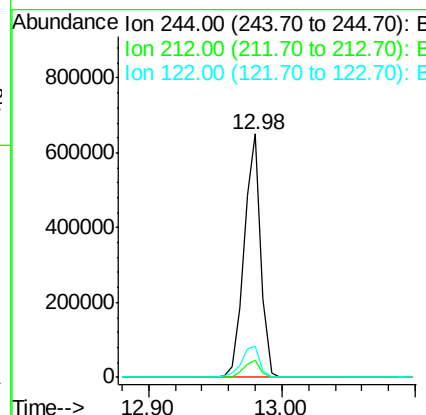
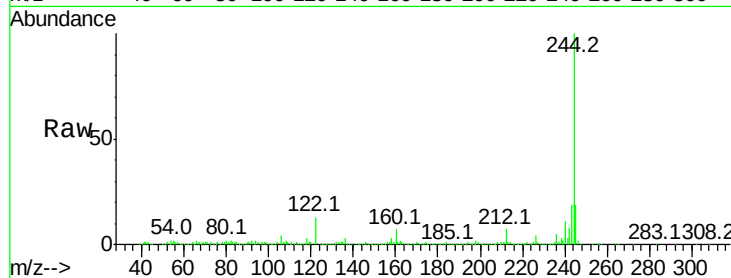




#78
 Terphenyl-d14
 Concen: 68.888 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: BF099306.D
 Acq: 10 Oct 2017 18:03

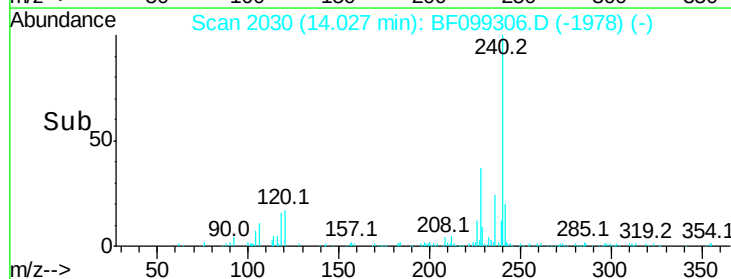
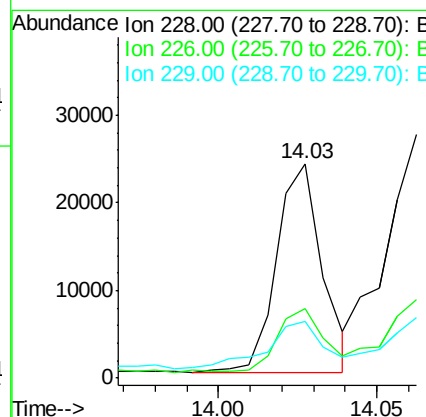
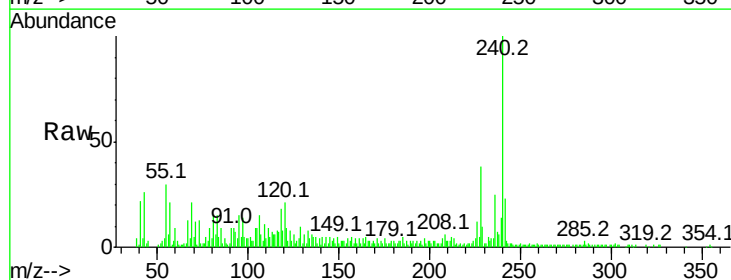
Instrument :
 BNA_F
 ClientSampleId :

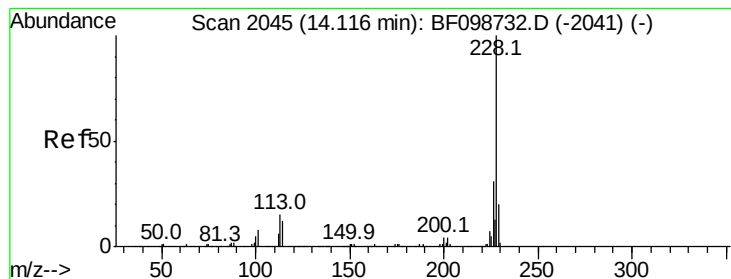
Tot Ion:244 Resp: 561125
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 12.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.132 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: BF099306.D
 Acq: 10 Oct 2017 18:03

Tgt Ion:228 Resp: 23910
 Ion Ratio Lower Upper
 228 100
 226 32.7 22.6 33.8
 229 26.4 15.8 23.6#





#82

Chrysene

Concen: 2.664 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BF099306.D

Acq: 10 Oct 2017 18:03

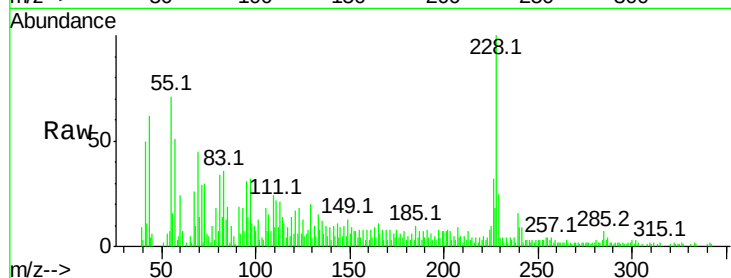
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 28452

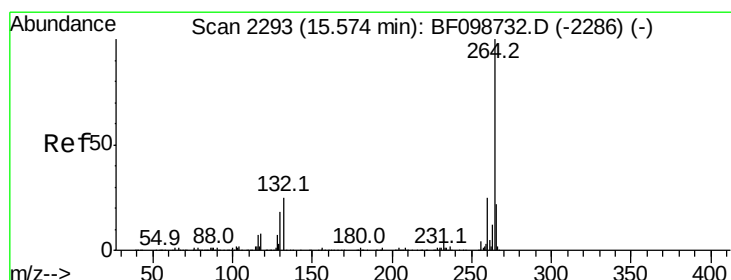
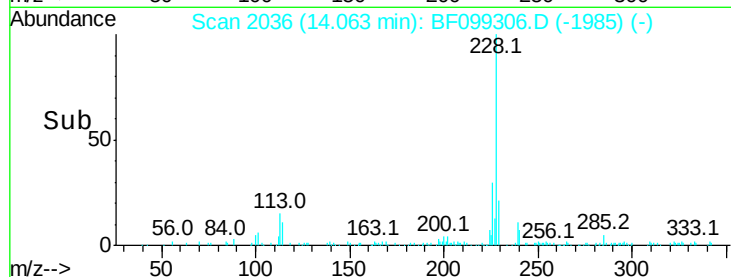
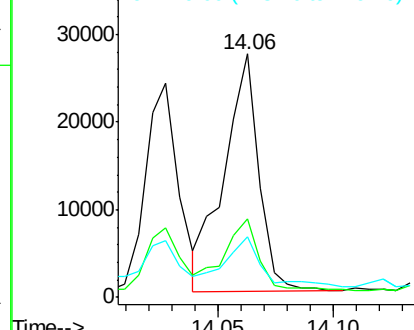
Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.0	37.6
229	25.1	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

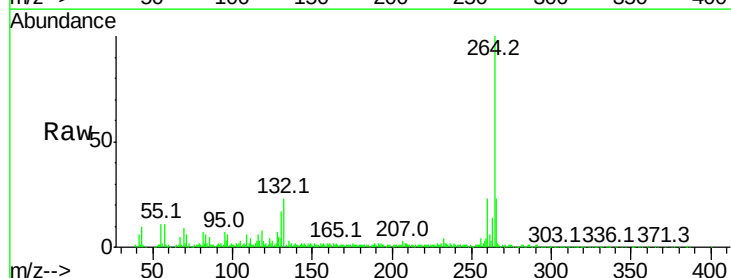
Delta R.T. 0.01 min

Lab File: BF099306.D

Acq: 10 Oct 2017 18:03

Tgt Ion:264 Resp: 144471

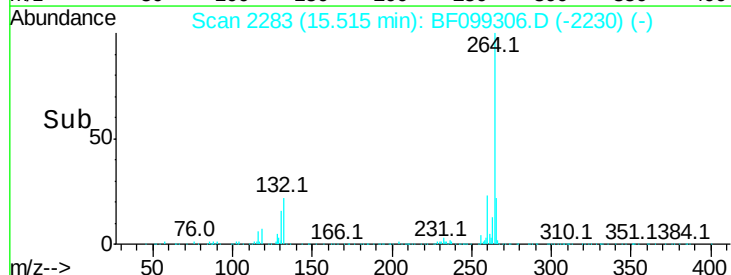
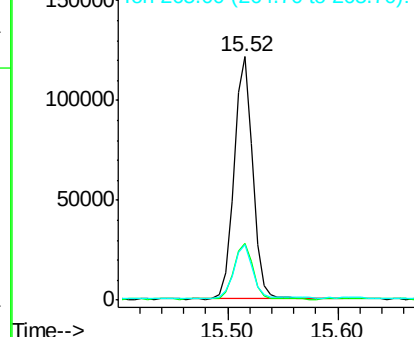
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.6	17.5	26.3

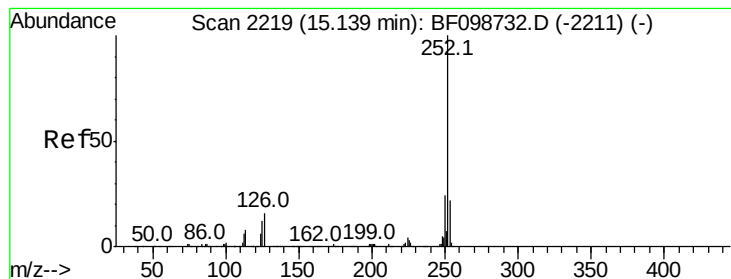


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.722 ng

RT: 15.08 min Scan# 2209

Delta R.T. 0.01 min

Lab File: BF099306.D

Acq: 10 Oct 2017 18:03

Instrument :

BNA_F

ClientSampleId :

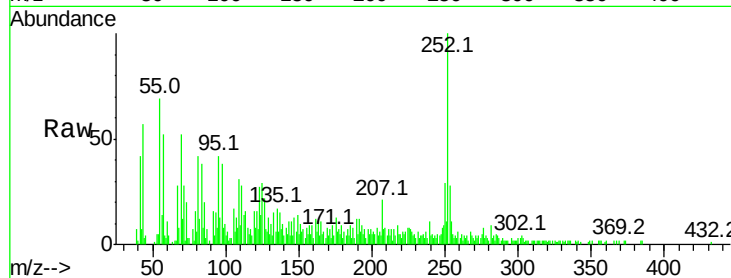
Tot Ion:252 Resp: 41942

Ion Ratio Lower Upper

252 100

253 28.2 17.0 25.6#

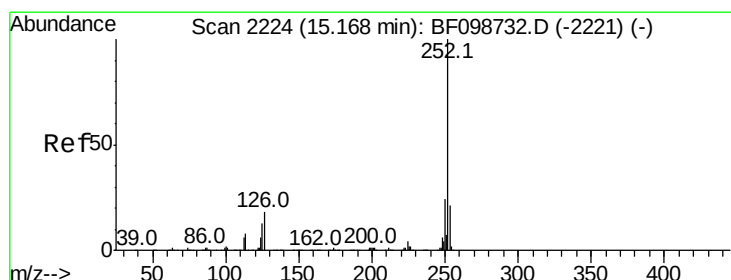
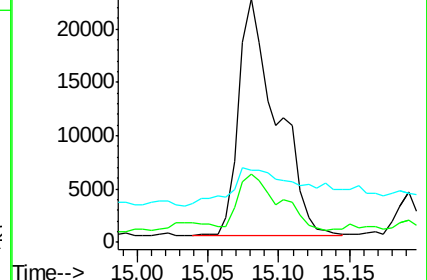
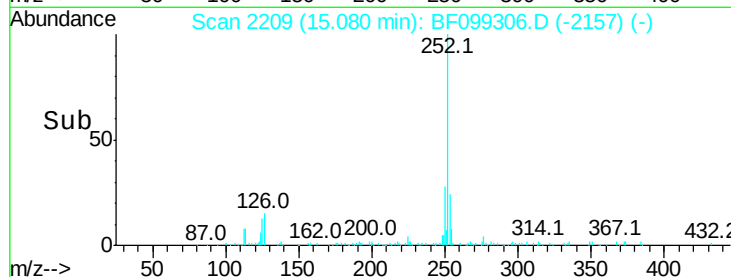
125 29.5 9.0 13.6#



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: 4.781 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.03 min

Lab File: BF099306.D

Acq: 10 Oct 2017 18:03

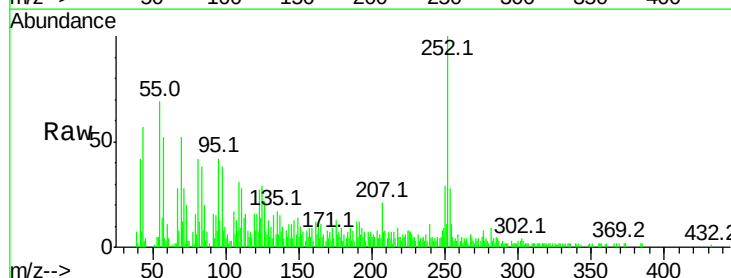
Tgt Ion:252 Resp: 41942

Ion Ratio Lower Upper

252 100

253 28.2 17.9 26.9#

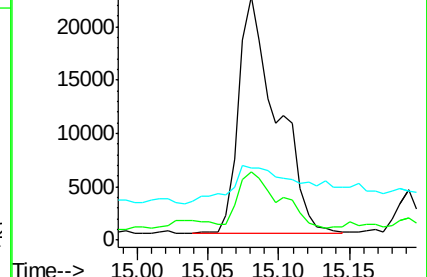
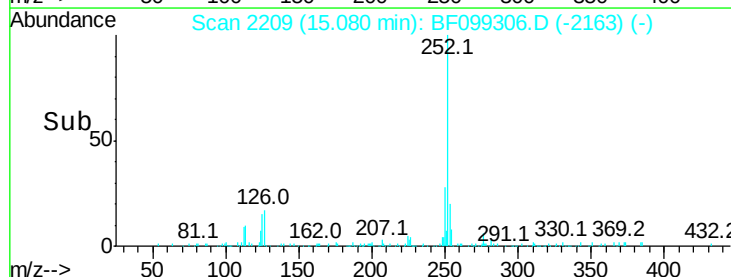
125 29.5 10.2 15.2#

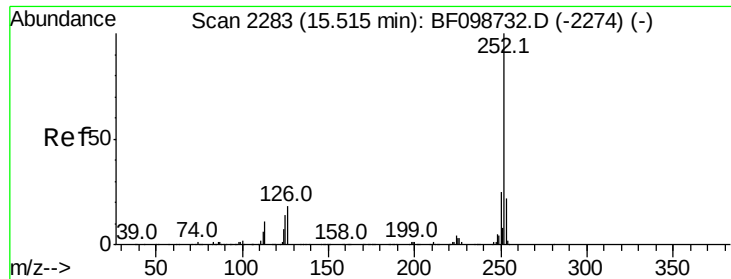


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.398 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF099306.D

Acq: 10 Oct 2017 18:03

Instrument :

BNA_F

ClientSampleId :

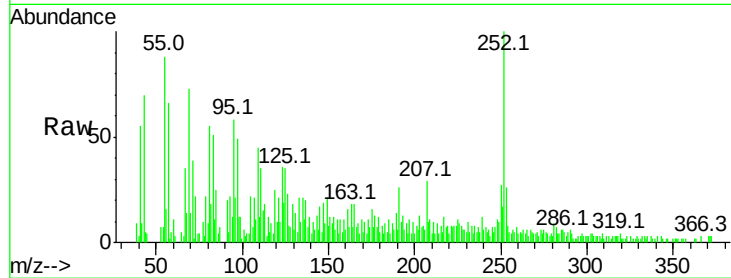
Tot Ion:252 Resp: 19549

Ion Ratio Lower Upper

252 100

253 26.2 17.1 25.7#

125 34.5 9.8 14.6#



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

