

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099186.D
 Acq On : 7 Oct 2017 11:26
 Operator : SJ/JU
 Sample : I5586-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:31:53 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	135514	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	553825	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	249281	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	408466	20.00	ng	0.00
75) Chrysene-d12	14.02	240	239528	20.00	ng	-0.01
86) Perylene-d12	15.50	264	229327	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	990972	116.41	ng	0.01
7) Phenol-d6	6.50	99	1248156	118.86	ng	0.00
23) Nitrobenzene-d5	7.43	82	773275	89.54	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	254199	124.62	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1364897	91.41	ng	0.00
78) Terphenyl-d14	12.97	244	1000177	94.96	ng	0.00

Target Compounds

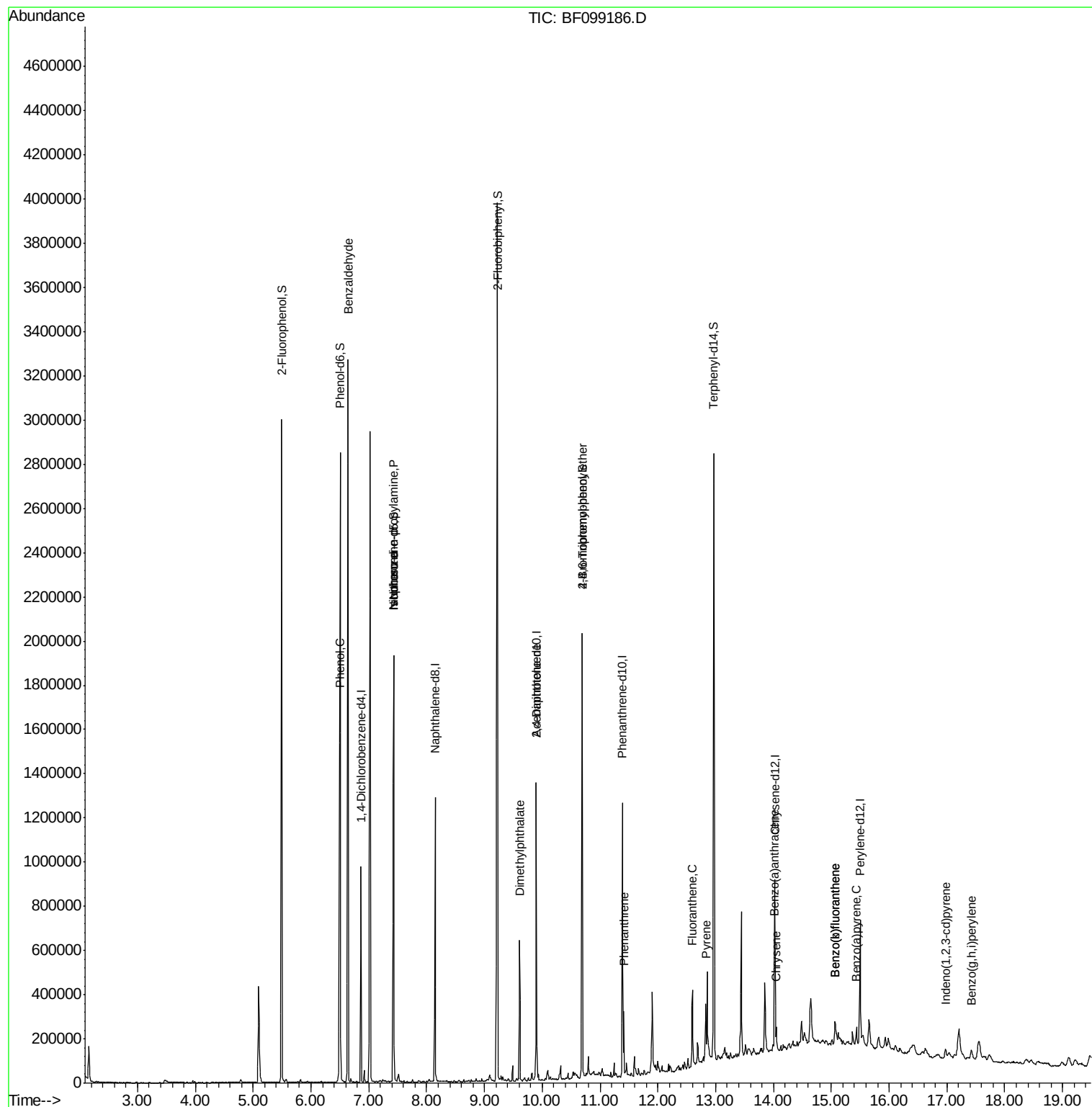
						Qvalue
9) Benzaldehyde	6.64	77	20503	3.366	ng	88
10) Phenol	6.52	94	38722	3.297	ng	90
19) n-Nitroso-di-n-propylamine	7.43	70	100187	14.943	ng	# 73
25) Isophorone	7.43	82	770700	43.165	ng	# 64
49) Dimethylphthalate	9.61	163	234721	12.476	ng	99
56) 2,4-Dinitrotoluene	9.90	165	32376	6.090	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	16764	4.193	ng	# 1
70) Phenanthrene	11.41	178	101264	4.632	ng	97
74) Fluoranthene	12.60	202	118614	5.358	ng	97
77) Pyrene	12.83	202	102337	5.603	ng	99
80) Benzo(a)anthracene	14.01	228	43616	3.007	ng	97
82) Chrysene	14.05	228	43458	3.147	ng	99
85) Indeno(1,2,3-cd)pyrene	16.97	276	25166	2.278	ng	96
87) Benzo(b)fluoranthene	15.06	252	70417	4.994	ng	# 91
88) Benzo(k)fluoranthene	15.06	252	70417	5.056	ng	# 94
89) Benzo(a)pyrene	15.43	252	35179	2.718	ng	# 91
91) Benzo(a,h,i)perylene	17.42	276	24611	2.404	ng	# 86

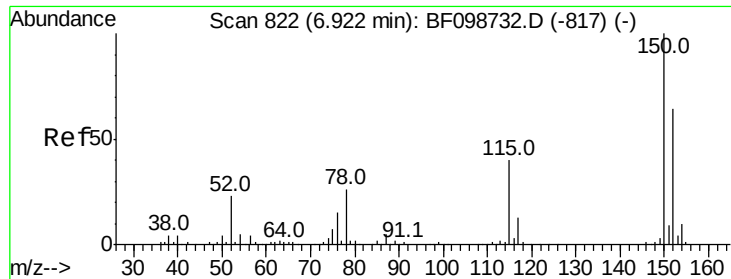
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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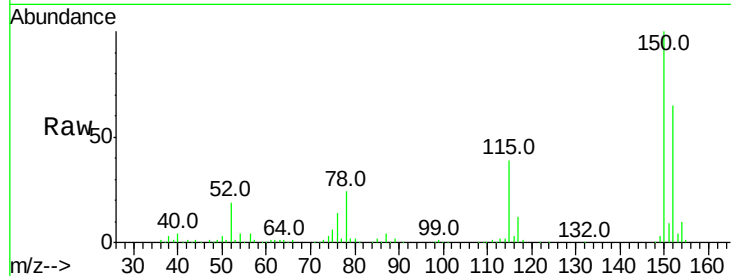


#1

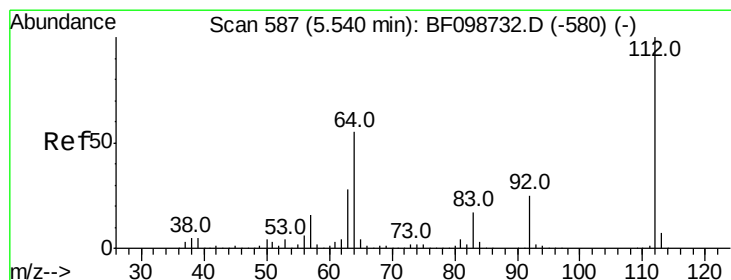
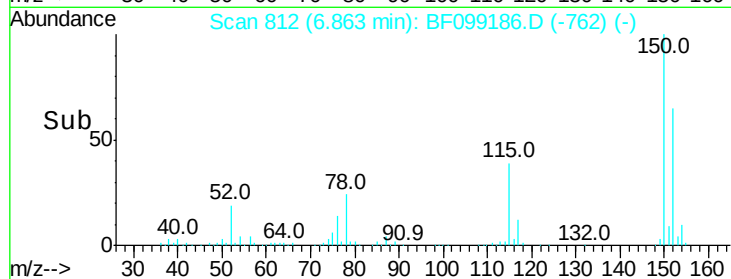
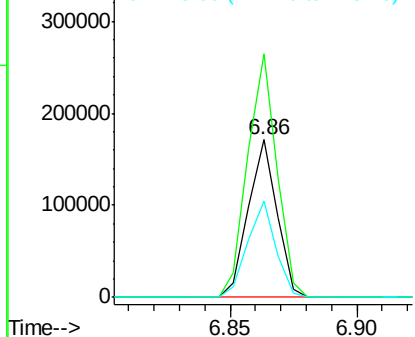
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099186.D
Acq: 7 Oct 2017 11:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 135514
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 61.0 50.1 75.1



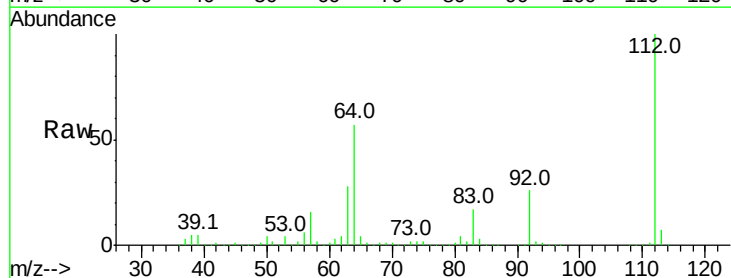
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



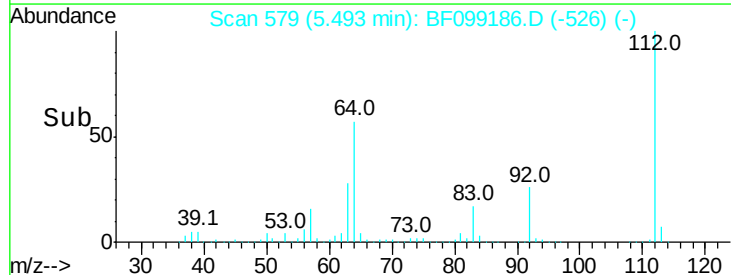
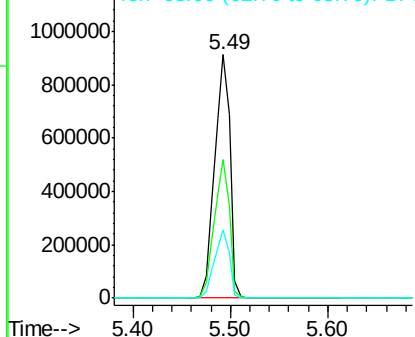
#5

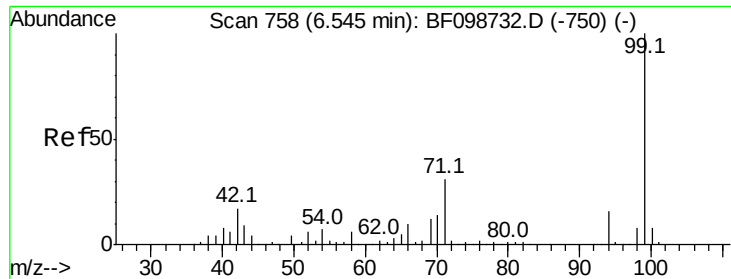
2-Fluorophenol
Concen: 116.411 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF099186.D
Acq: 7 Oct 2017 11:26

Tgt Ion:112 Resp: 990972
Ion Ratio Lower Upper
112 100
64 57.2 47.9 71.9
63 28.3 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





#7

Phenol-d6

Concen: 118.856 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

Instrument :

BNA_F

ClientSampled :

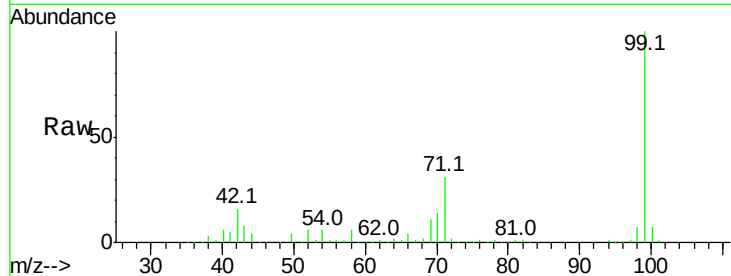
Tot Ion: 99 Resp: 1248156

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

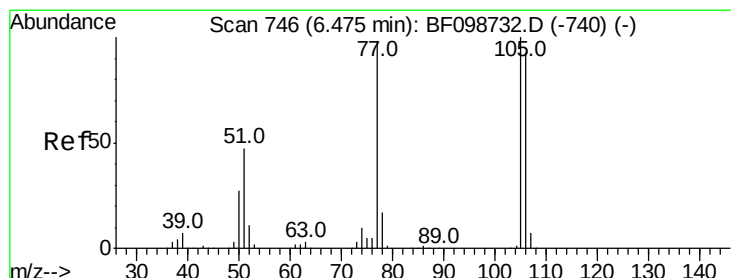
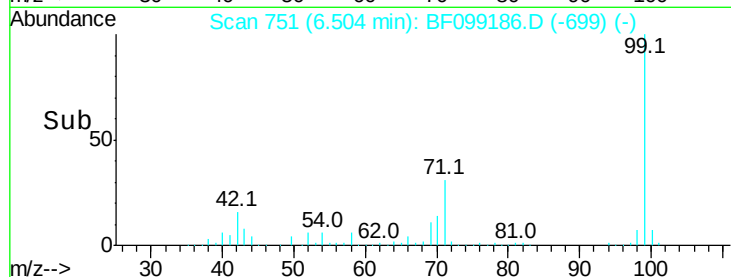
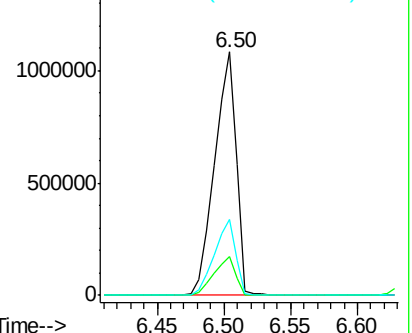
71 31.1 25.4 38.0



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

Benzaldehyde

Concen: 3.366 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

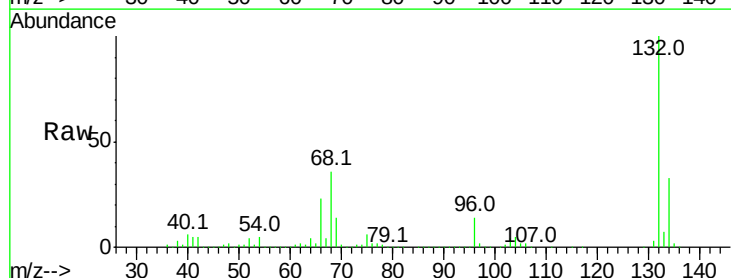
Tgt Ion: 77 Resp: 20503

Ion Ratio Lower Upper

77 100

105 83.6 81.1 121.1

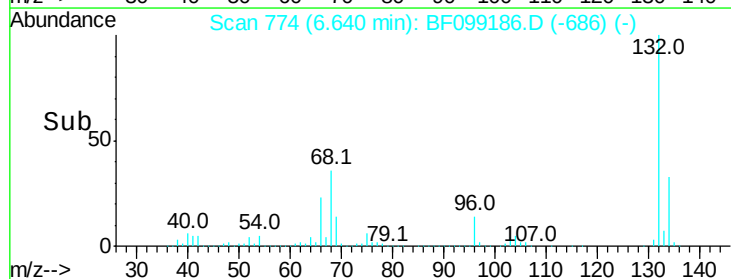
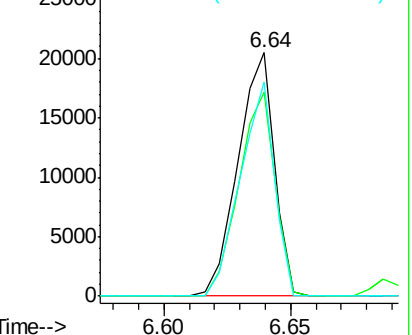
106 88.1 74.5 114.5

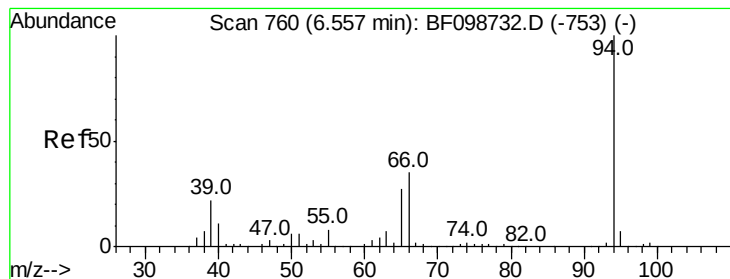


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 3.297 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

Instrument :

BNA_F

ClientSampleId :

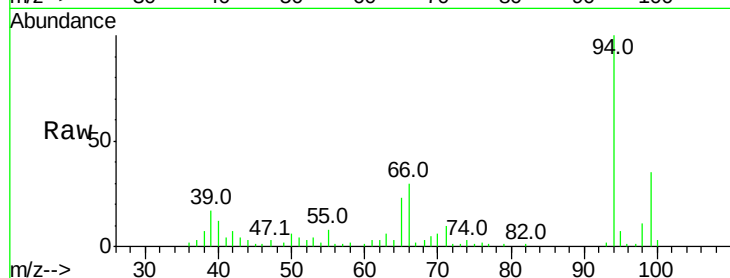
Tot Ion: 94 Resp: 38722

Ion Ratio Lower Upper

94 100

65 22.8 7.9 47.9

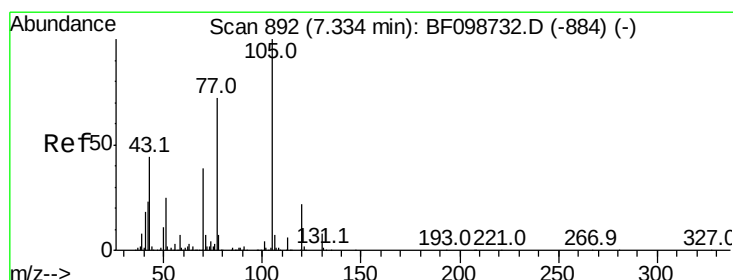
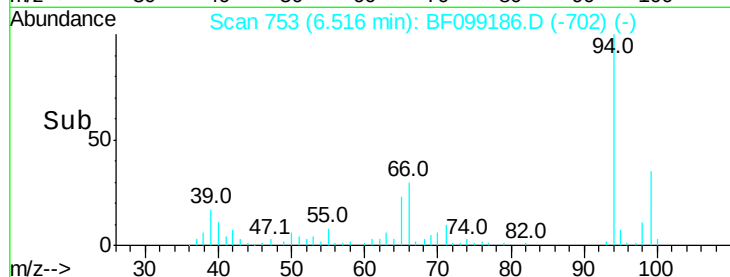
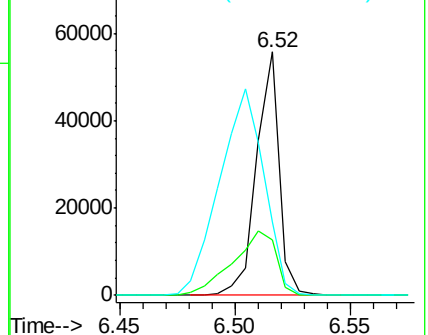
66 29.9 16.2 56.2



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: 14.943 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

Tgt Ion: 70 Resp: 100187

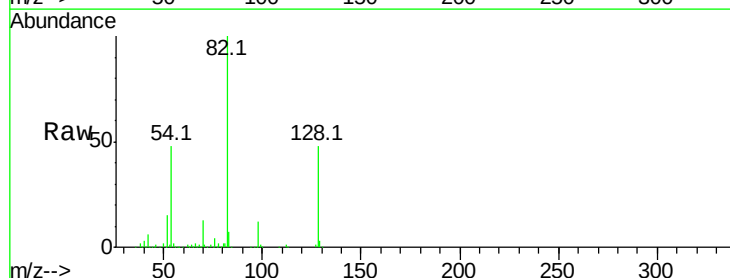
Ion Ratio Lower Upper

70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

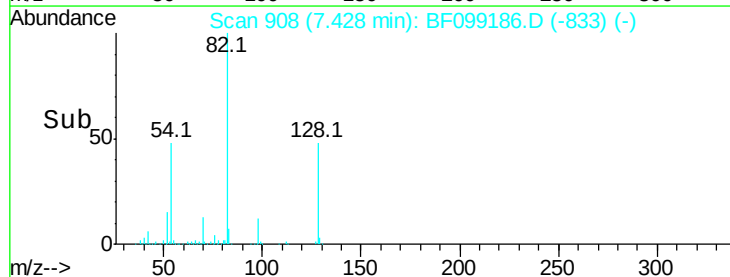
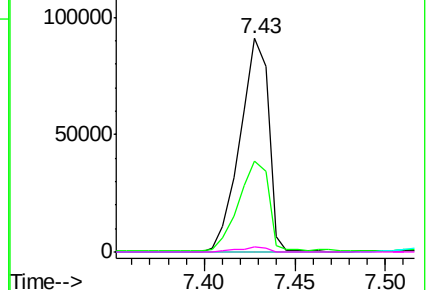


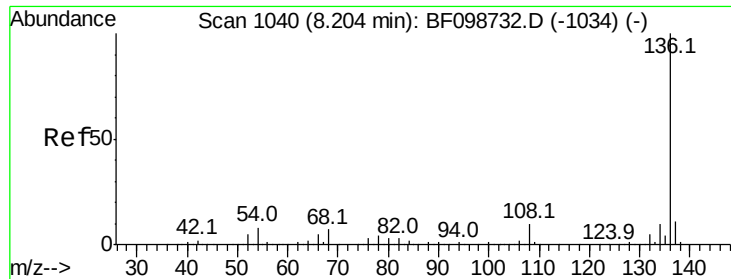
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

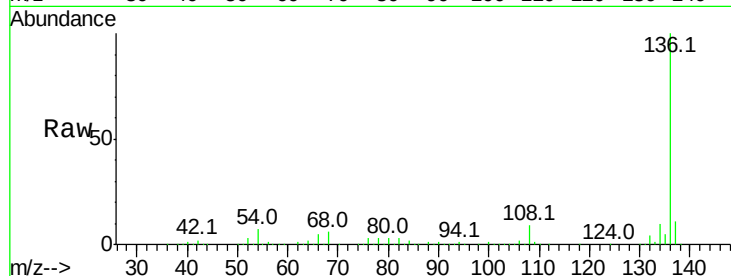




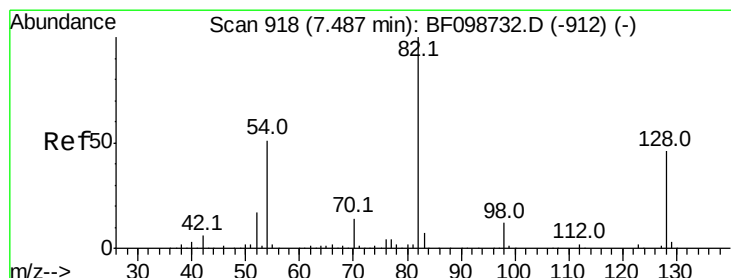
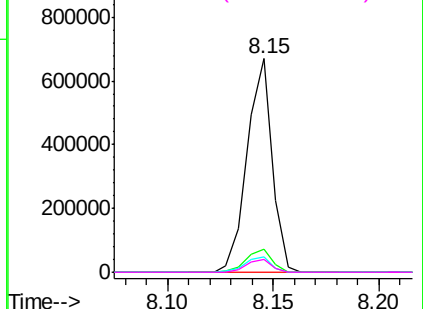
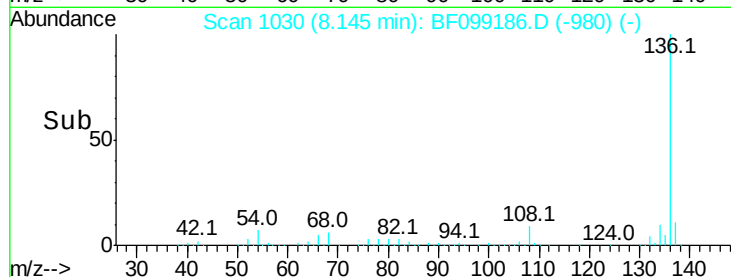
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099186.D
Acq: 7 Oct 2017 11:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	553825
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	7.1	6.6 9.8
68	5.8	5.0 7.4

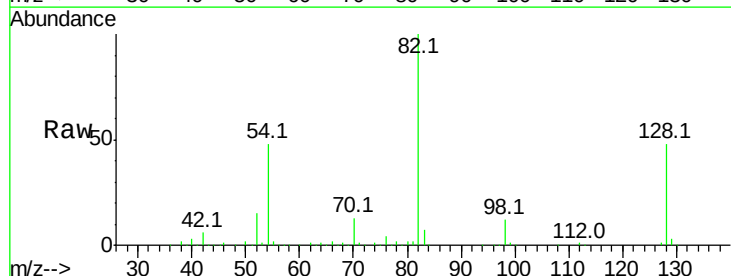


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

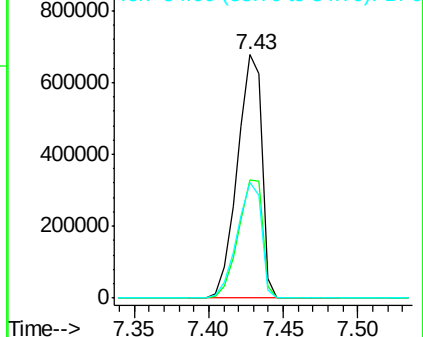
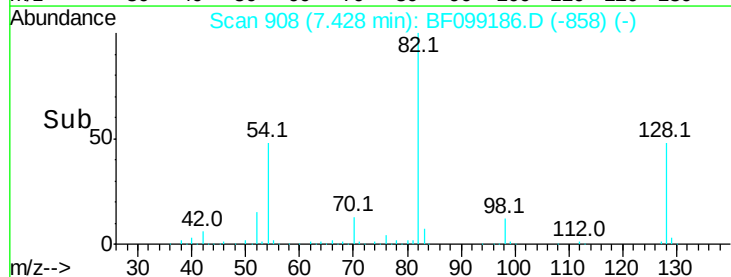


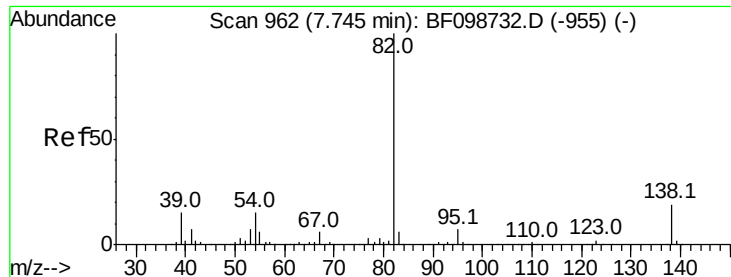
#23
Nitrobenzene-d5
Concen: 89.541 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099186.D
Acq: 7 Oct 2017 11:26

Tgt Ion: 82	Resp:	773275
Ion Ratio	Lower	Upper
82	100	
128	48.3	36.1 54.1
54	47.7	41.4 62.2



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





#25

Isophorone

Concen: 43.165 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

Instrument :

BNA_F

ClientSampled :

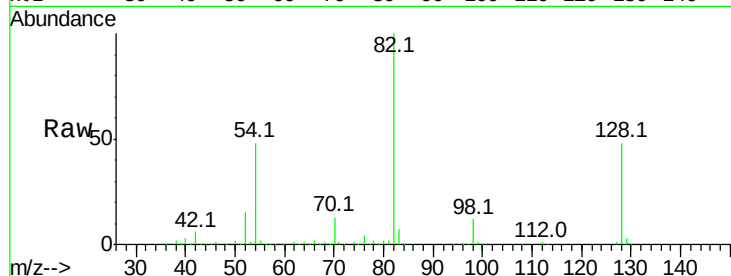
Tot Ion: 82 Resp: 770700

Ion Ratio Lower Upper

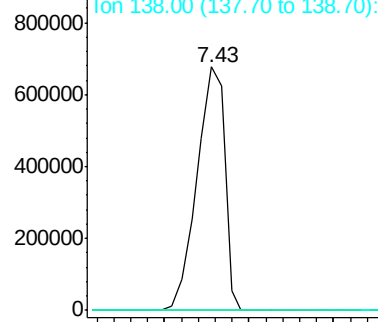
82 100

95 0.0 5.2 7.8#

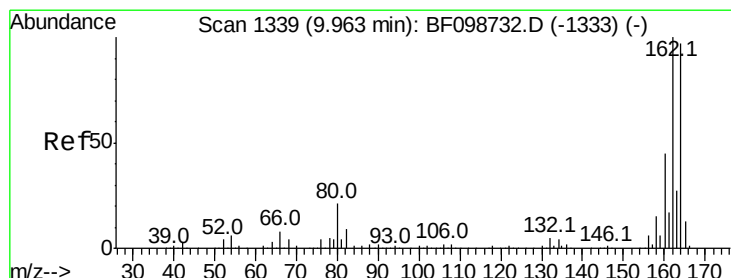
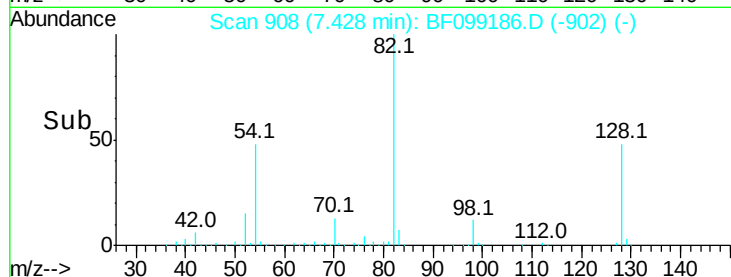
138 0.0 14.9 22.3#



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



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

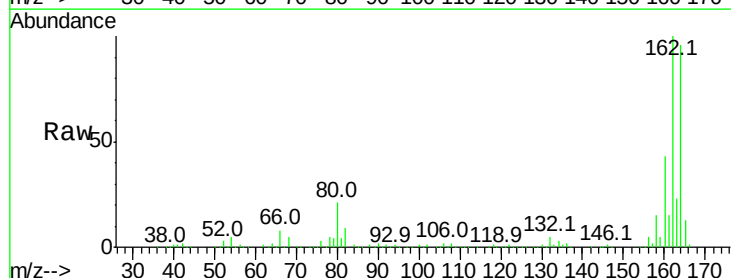
Tgt Ion:164 Resp: 249281

Ion Ratio Lower Upper

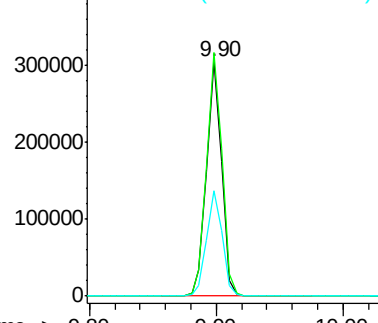
164 100

162 103.9 86.1 129.1

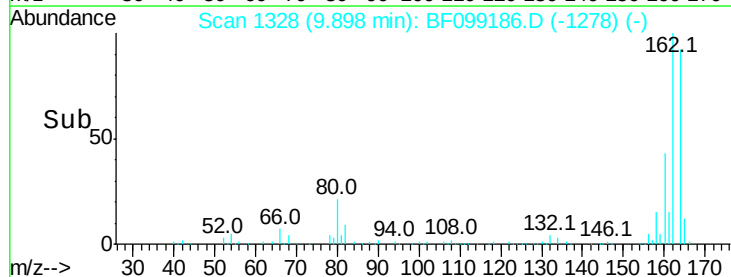
160 45.0 38.3 57.5

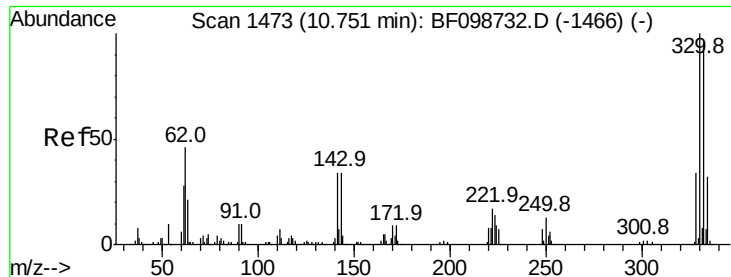


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

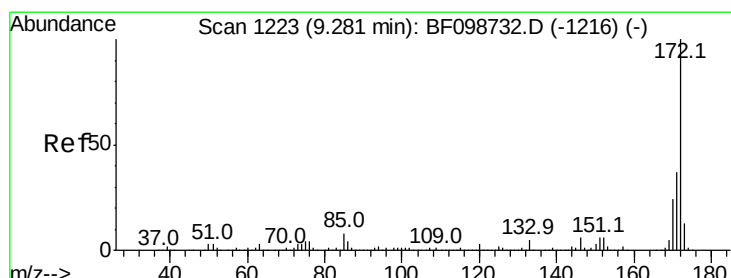
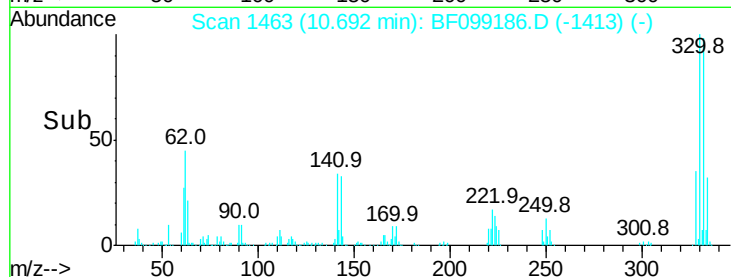
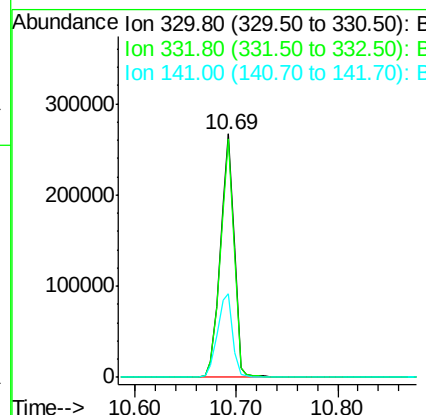
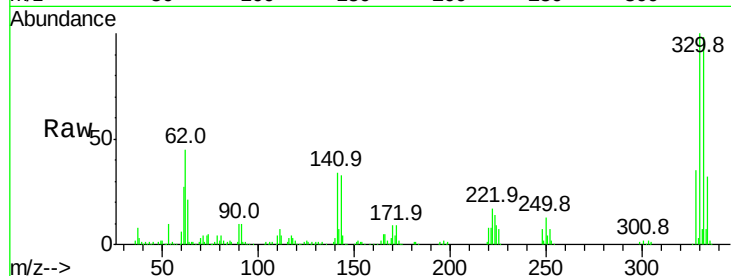




#41
 2,4,6-Tribromophenol
 Concen: 124.620 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099186.D
 Acq: 7 Oct 2017 11:26

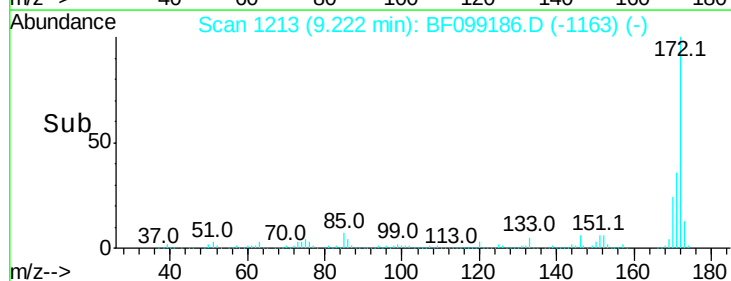
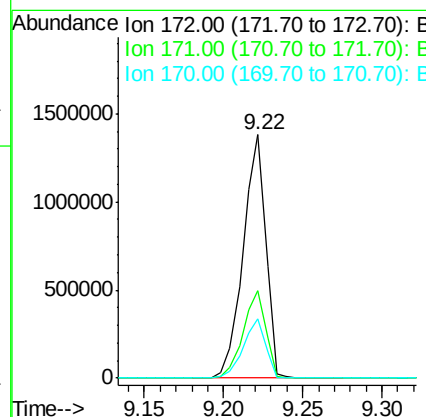
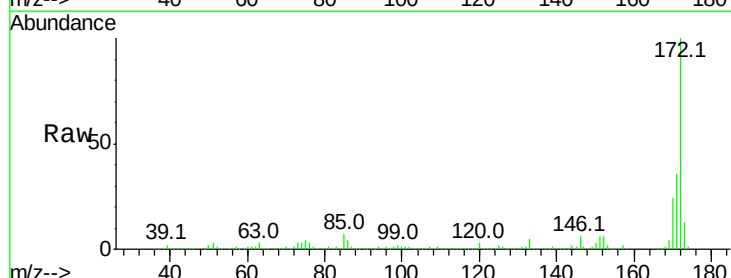
Instrument :
 BNA_F
 ClientSampleId :

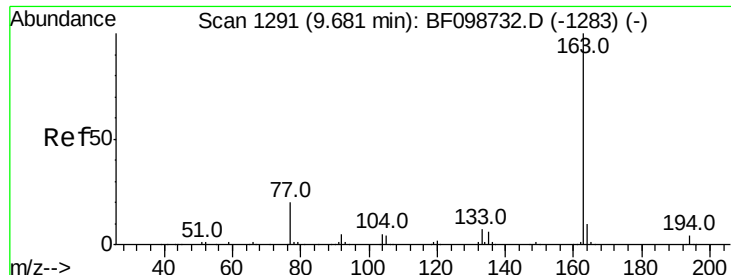
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	37.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 91.406 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099186.D
 Acq: 7 Oct 2017 11:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.1	19.6	29.4





#49

Dimethylphthalate

Concen: 12.476 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

Instrument :

BNA_F

ClientSampleId :

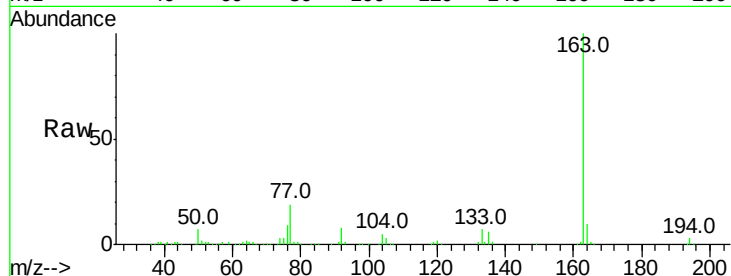
Tot Ion:163 Resp: 234721

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

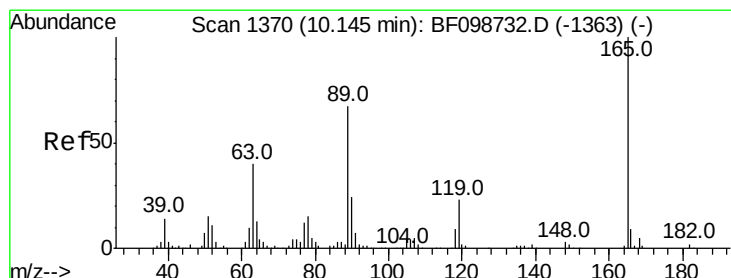
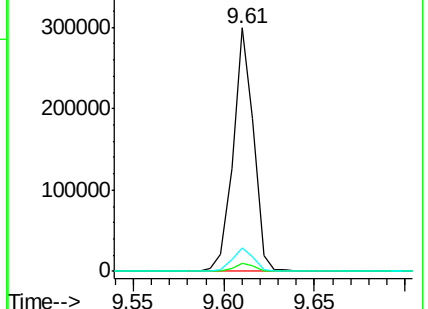
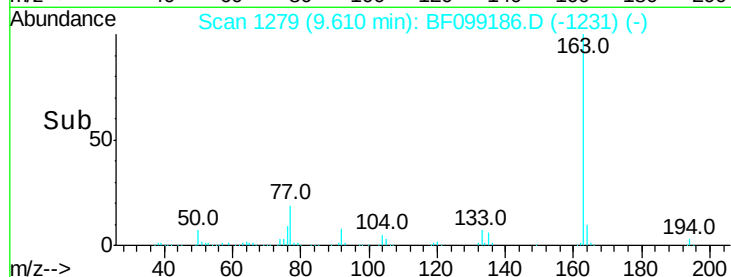
164 9.7 8.2 12.2



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: 6.090 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

Tgt Ion:165 Resp: 32376

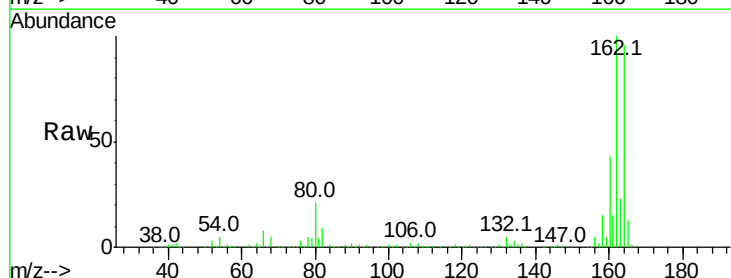
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

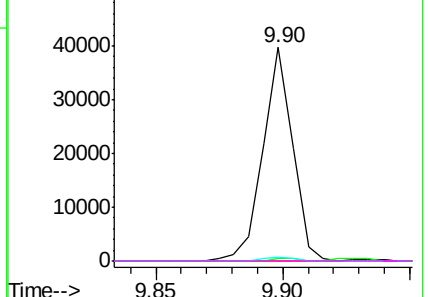
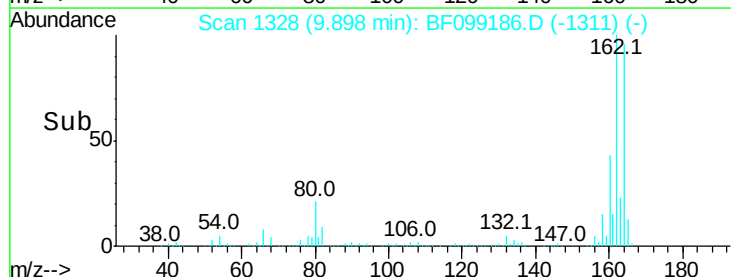


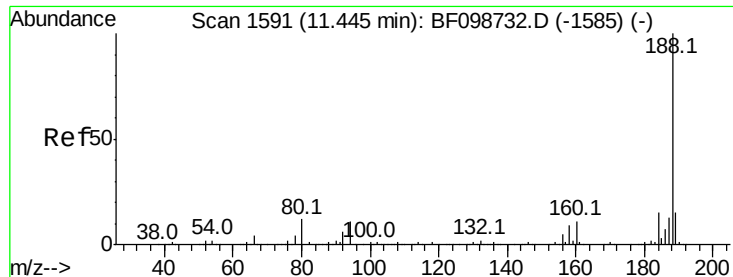
Abundance Ion 165.00 (164.70 to 165.70): E

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

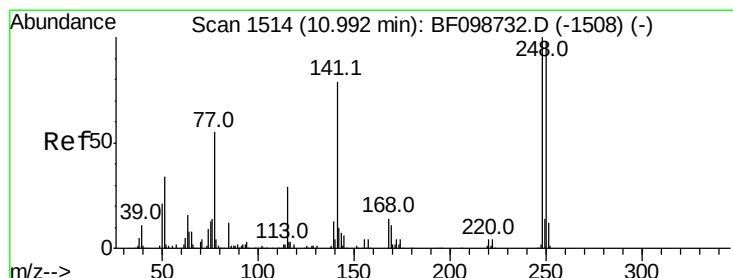
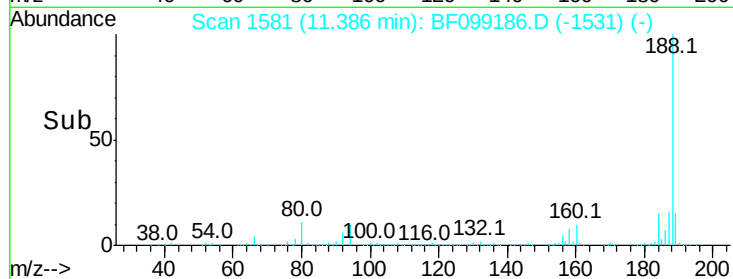
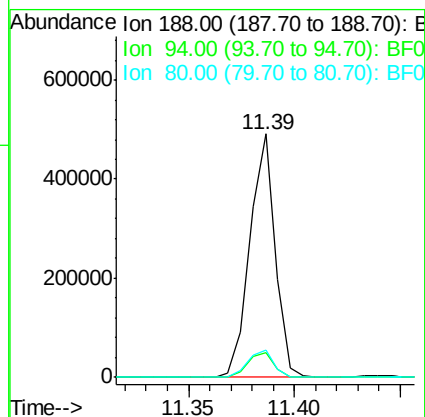
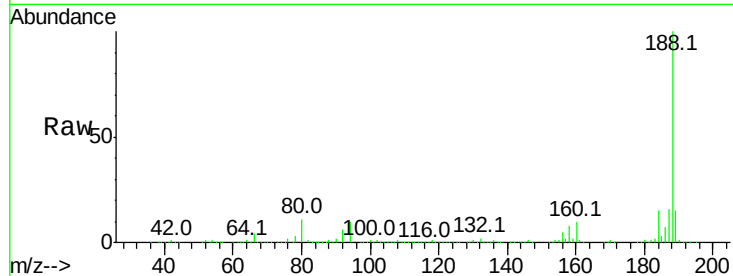




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099186.D
Acq: 7 Oct 2017 11:26

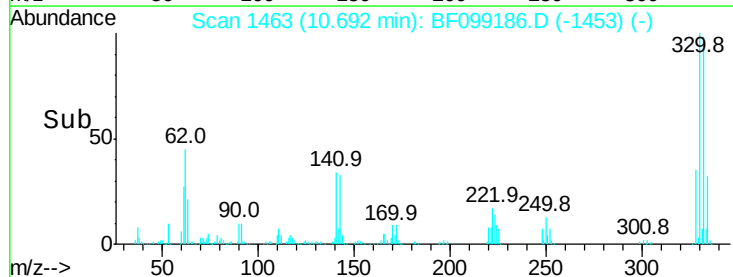
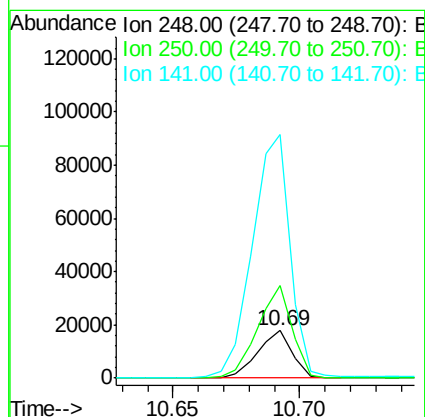
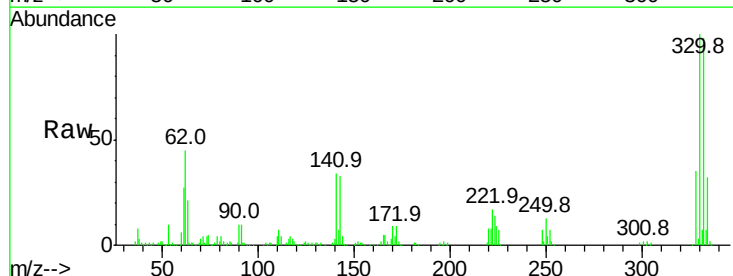
Instrument :
BNA_F
ClientSampleId :

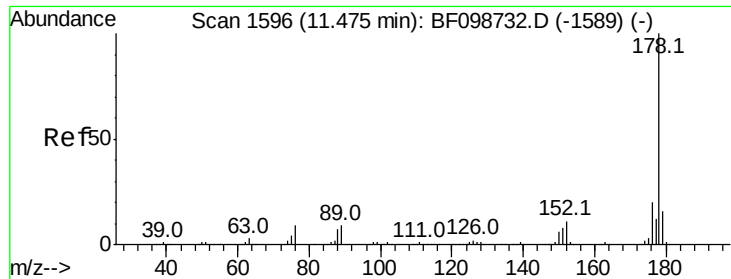
Tot Ion:188 Resp: 408466
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.2 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 4.193 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099186.D
Acq: 7 Oct 2017 11:26

Tgt Ion:248 Resp: 16764
Ion Ratio Lower Upper
248 100
250 196.2 76.9 115.3#
141 514.4 74.4 111.6#





#70

Phenanthrene

Concen: 4.632 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

Instrument :

BNA_F

ClientSampleId :

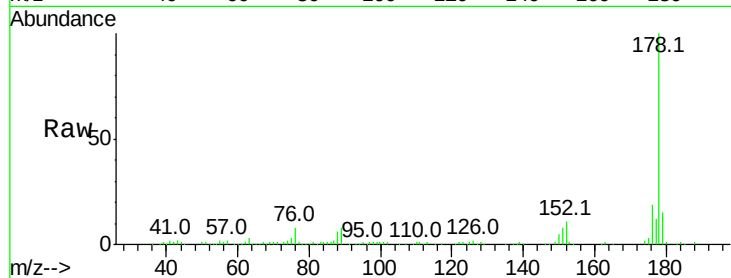
Tot Ion:178 Resp: 101264

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

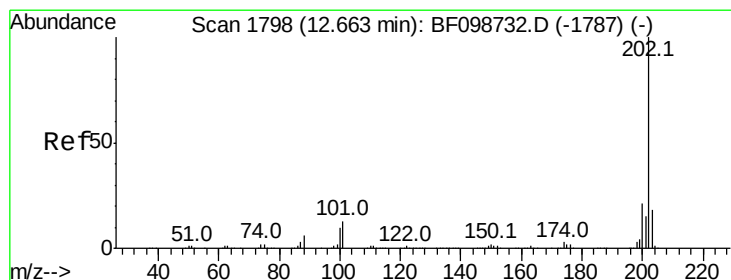
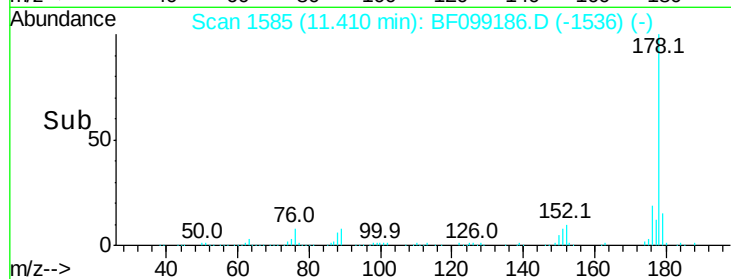
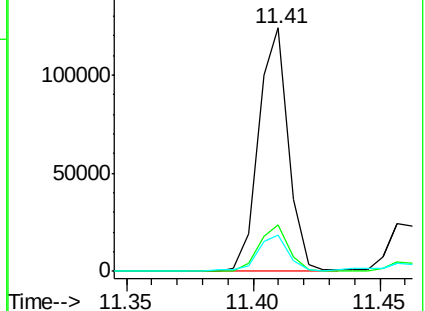
179 14.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.358 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

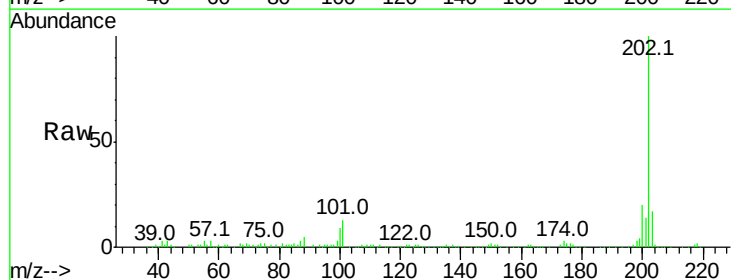
Tgt Ion:202 Resp: 118614

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

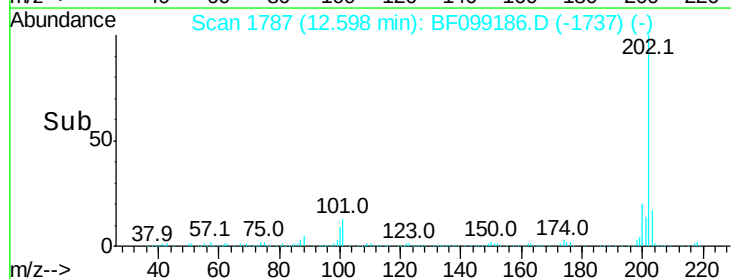
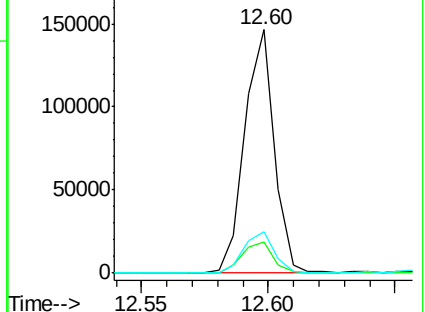
203 17.0 0.0 38.1

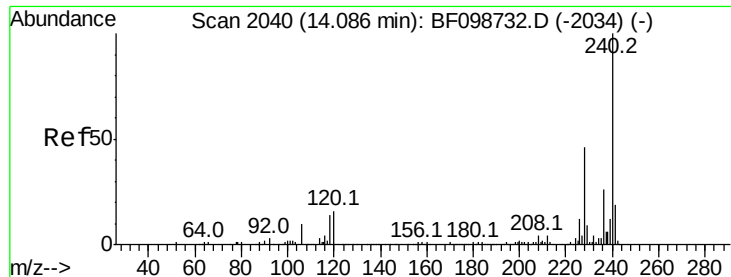


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

Instrument :

BNA_F

ClientSampleId :

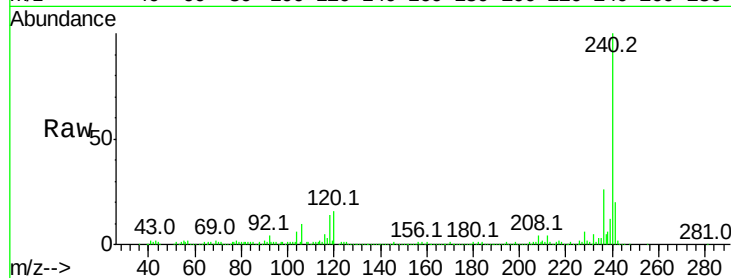
Tot Ion:240 Resp: 239528

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

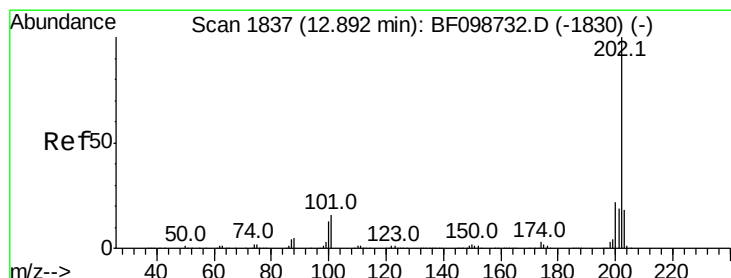
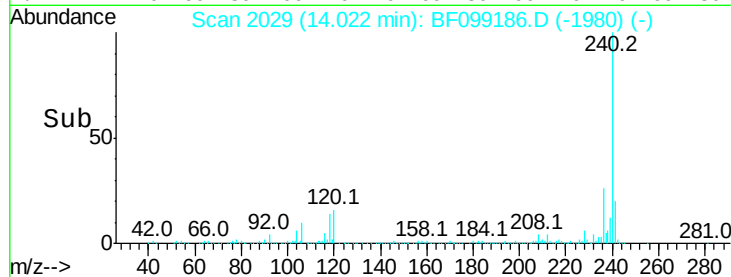
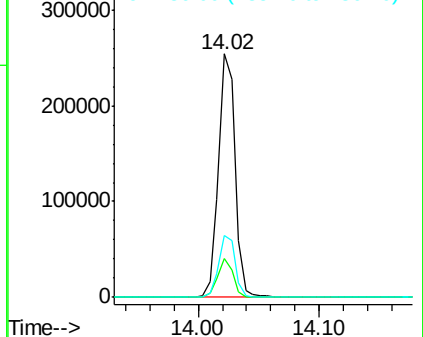
236 25.5 20.7 31.1



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: 5.603 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

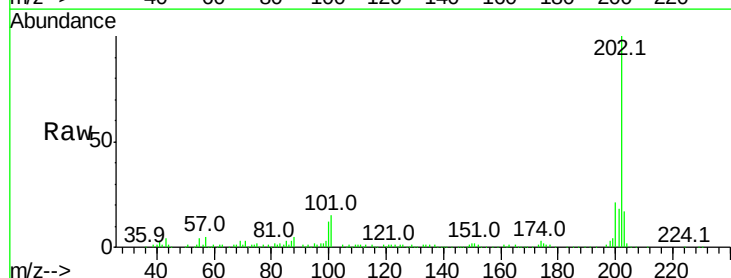
Tgt Ion:202 Resp: 102337

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

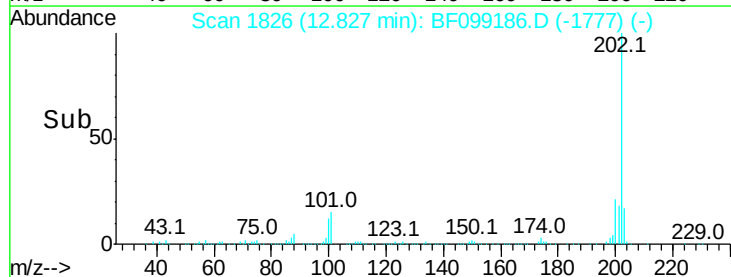
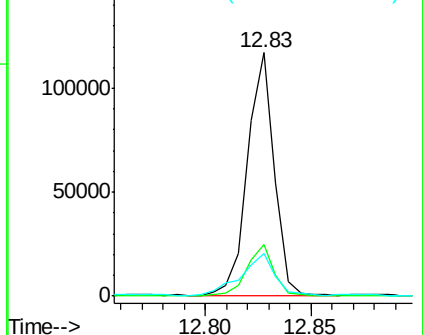
203 17.5 14.3 21.5

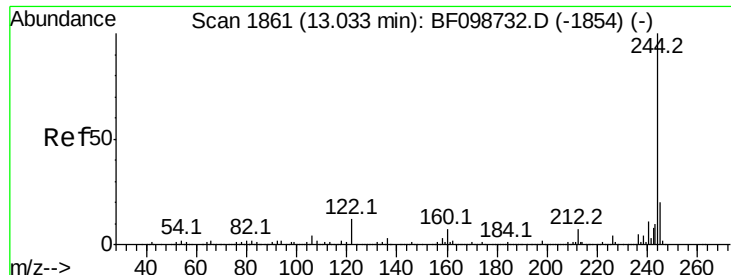


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 94.962 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

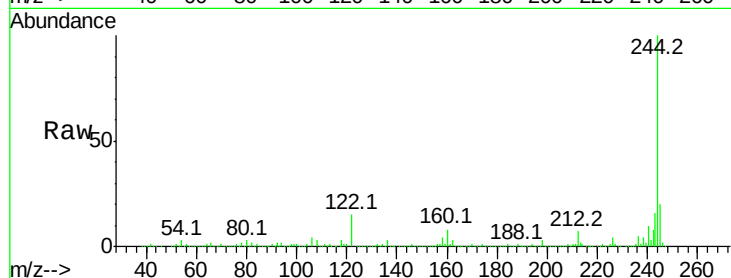
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1000177

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	14.7	11.0	16.4

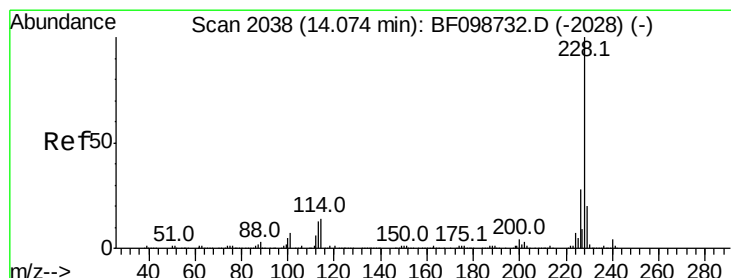
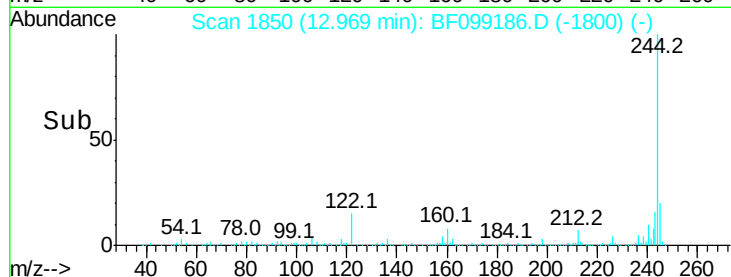
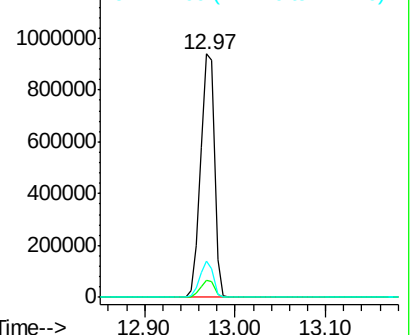


Abundance

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



#80

Benzo(a)anthracene

Concen: 3.007 ng

RT: 14.01 min Scan# 2027

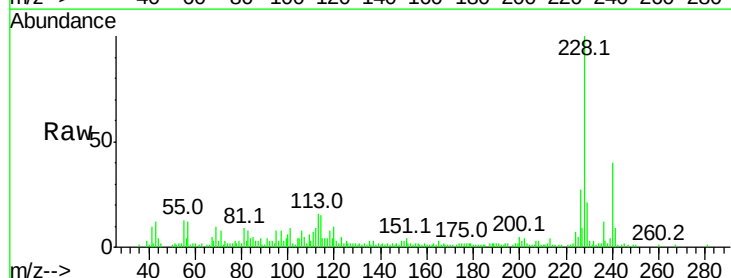
Delta R.T. -0.01 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

Tgt Ion:228 Resp: 43616

Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.6	33.8
229	21.3	15.8	23.6

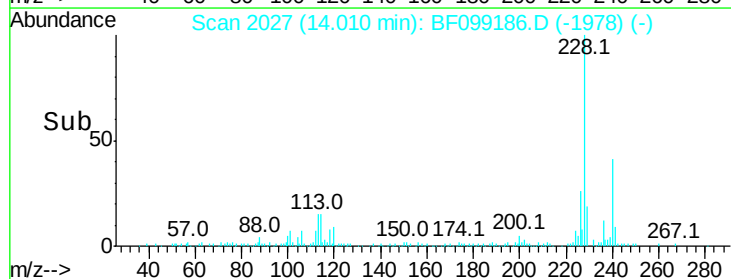
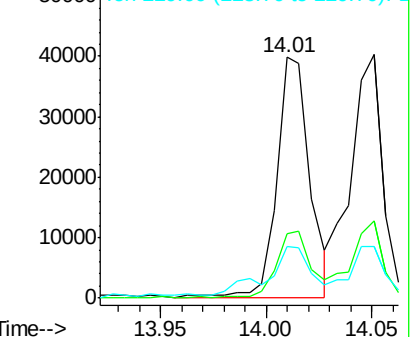


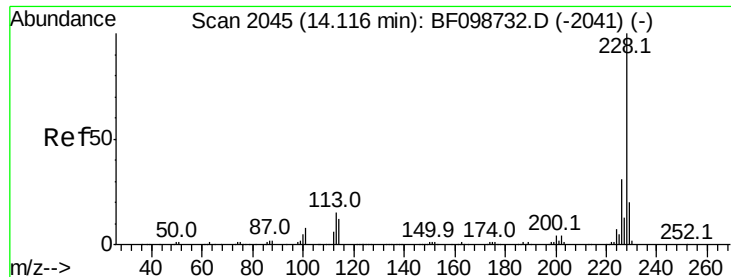
Abundance

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





#82

Chrysene

Concen: 3.147 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

Instrument :

BNA_F

ClientSampleId :

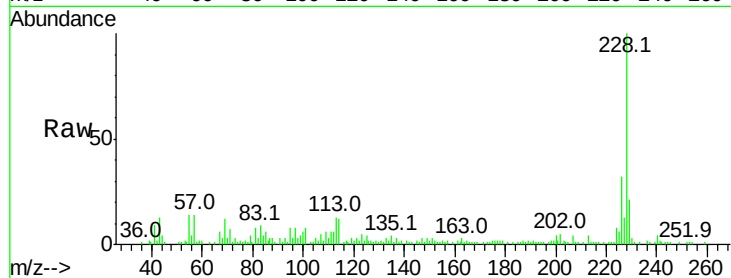
Tot Ion:228 Resp: 43458

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

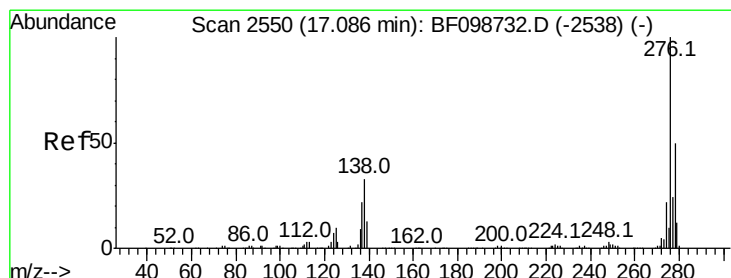
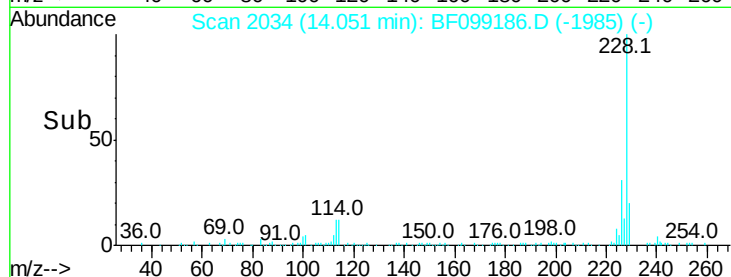
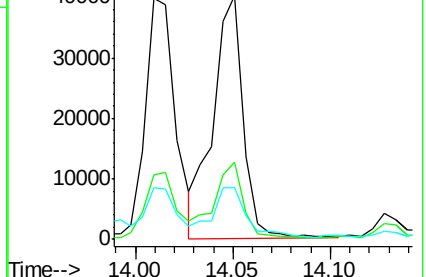
229 21.4 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.278 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.02 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

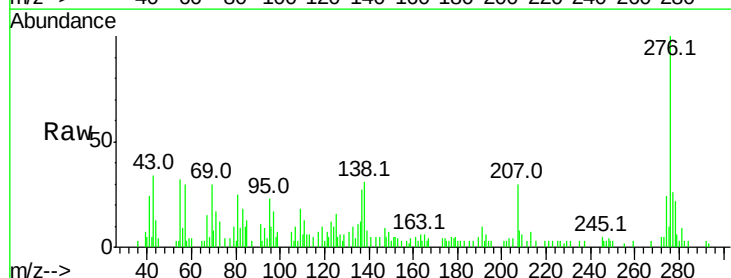
Tgt Ion:276 Resp: 25166

Ion Ratio Lower Upper

276 100

138 28.6 25.0 37.6

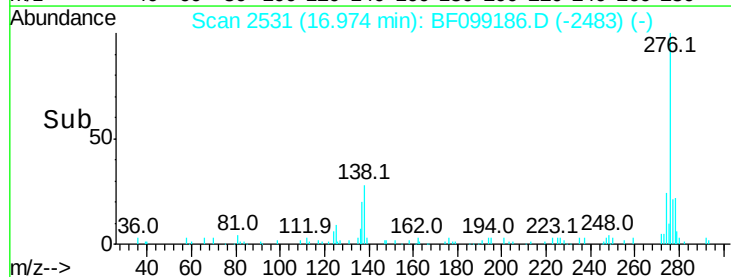
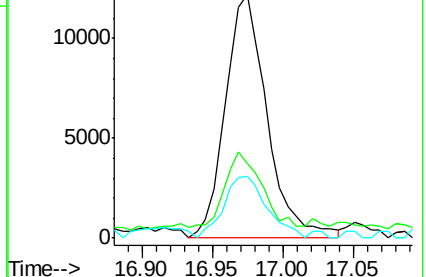
277 26.2 20.1 30.1

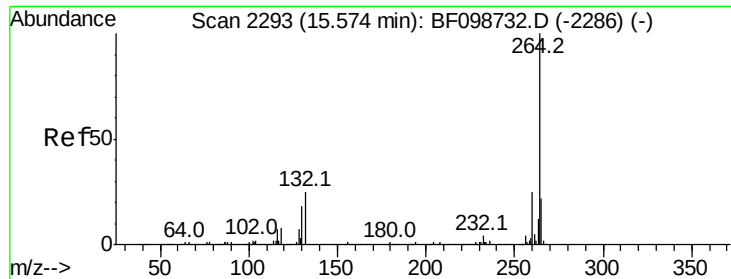


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

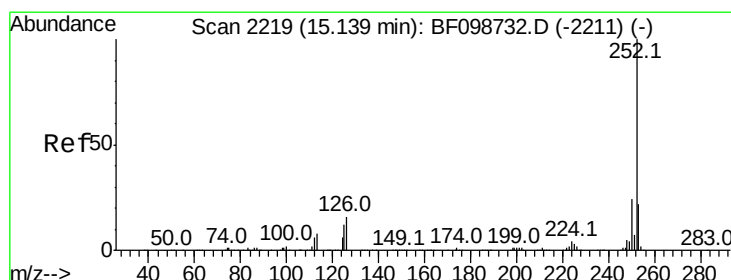
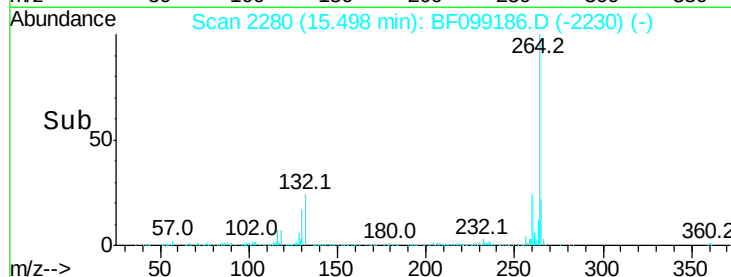
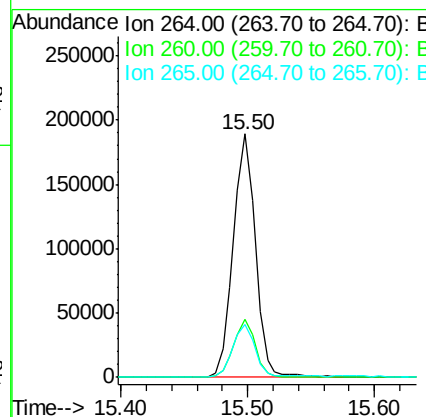
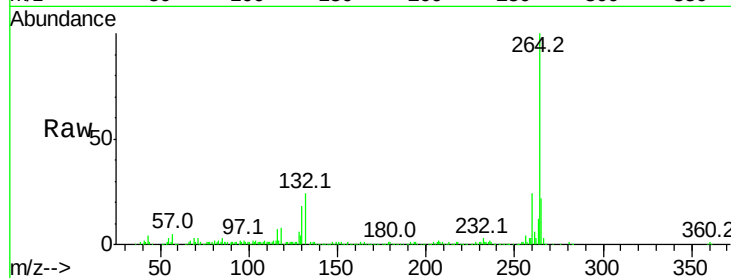




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF099186.D
 Acq: 7 Oct 2017 11:26

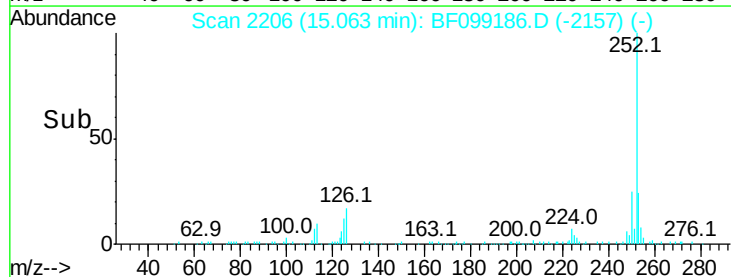
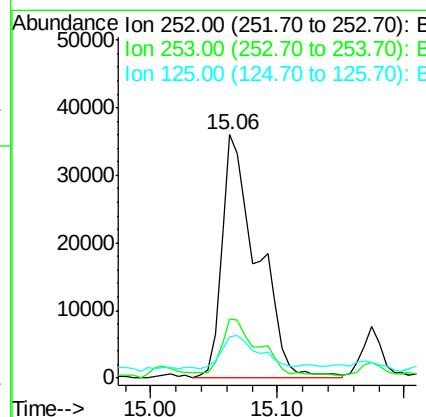
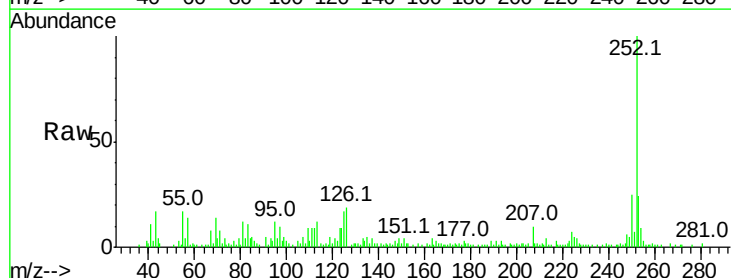
Instrument :
 BNA_F
 ClientSampled :

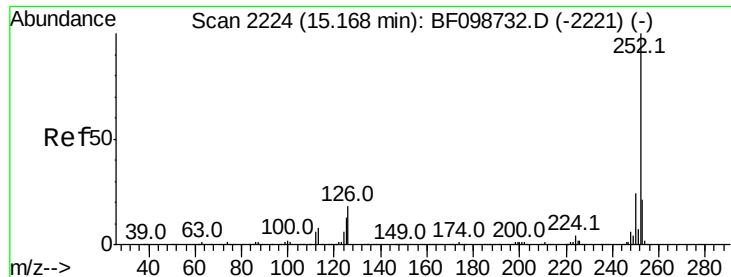
Tot Ion:264 Resp: 229327
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.8 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 4.994 ng
 RT: 15.06 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BF099186.D
 Acq: 7 Oct 2017 11:26

Tgt Ion:252 Resp: 70417
 Ion Ratio Lower Upper
 252 100
 253 24.5 17.0 25.6
 125 16.8 9.0 13.6#

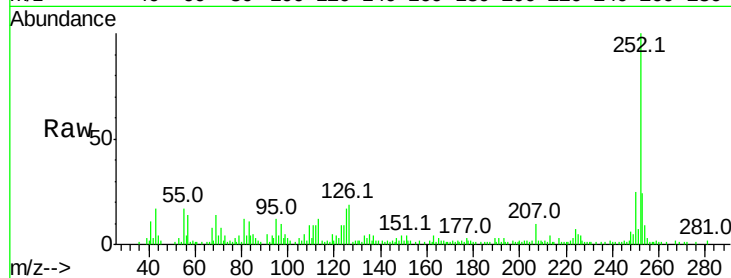




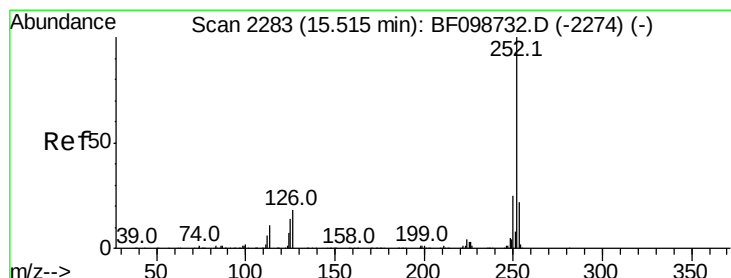
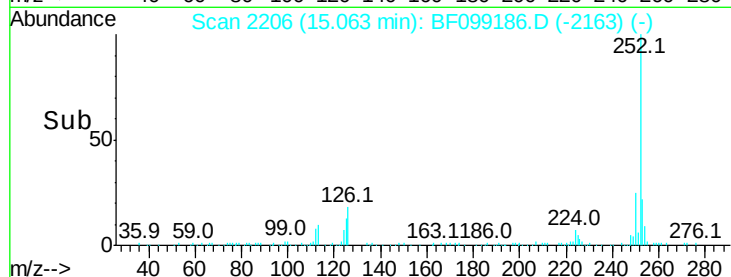
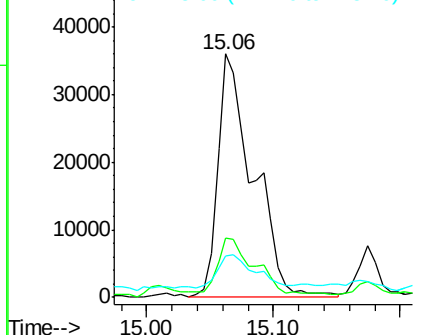
#88
Benzo(k)fluoranthene
Concen: 5.056 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF099186.D
Acq: 7 Oct 2017 11:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 70417
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 16.8 10.2 15.2#

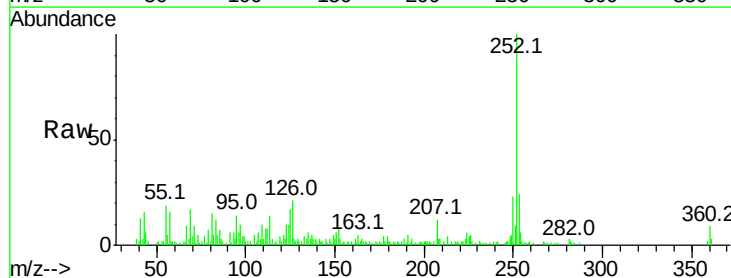


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

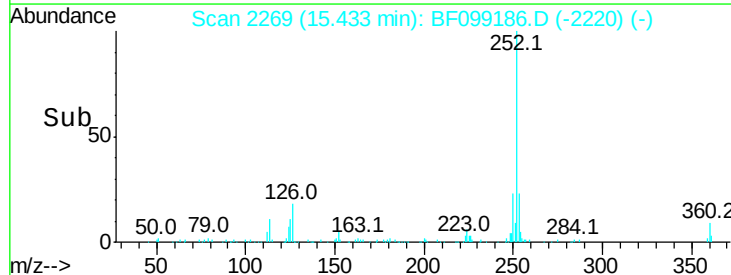
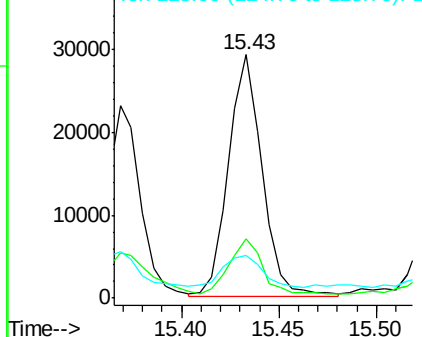


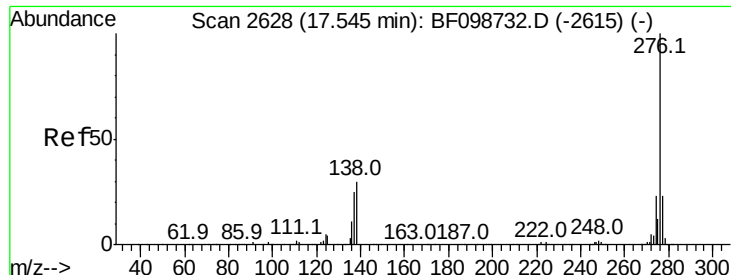
#89
Benzo(a)pyrene
Concen: 2.718 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF099186.D
Acq: 7 Oct 2017 11:26

Tgt Ion:252 Resp: 35179
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 17.3 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





#91

Benzo(a,h,i)perylene

Concen: 2.404 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.02 min

Lab File: BF099186.D

Acq: 7 Oct 2017 11:26

Instrument :

BNA_F

ClientSampleId :

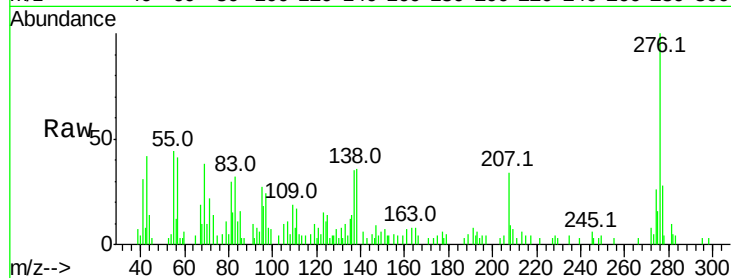
Tot Ion:276 Resp: 24611

Ion Ratio Lower Upper

276 100

277 27.5 17.9 26.9#

138 36.0 21.8 32.8#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

