

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099206.D
 Acq On : 7 Oct 2017 20:49
 Operator : SJ/JU
 Sample : I5586-09 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:39:42 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

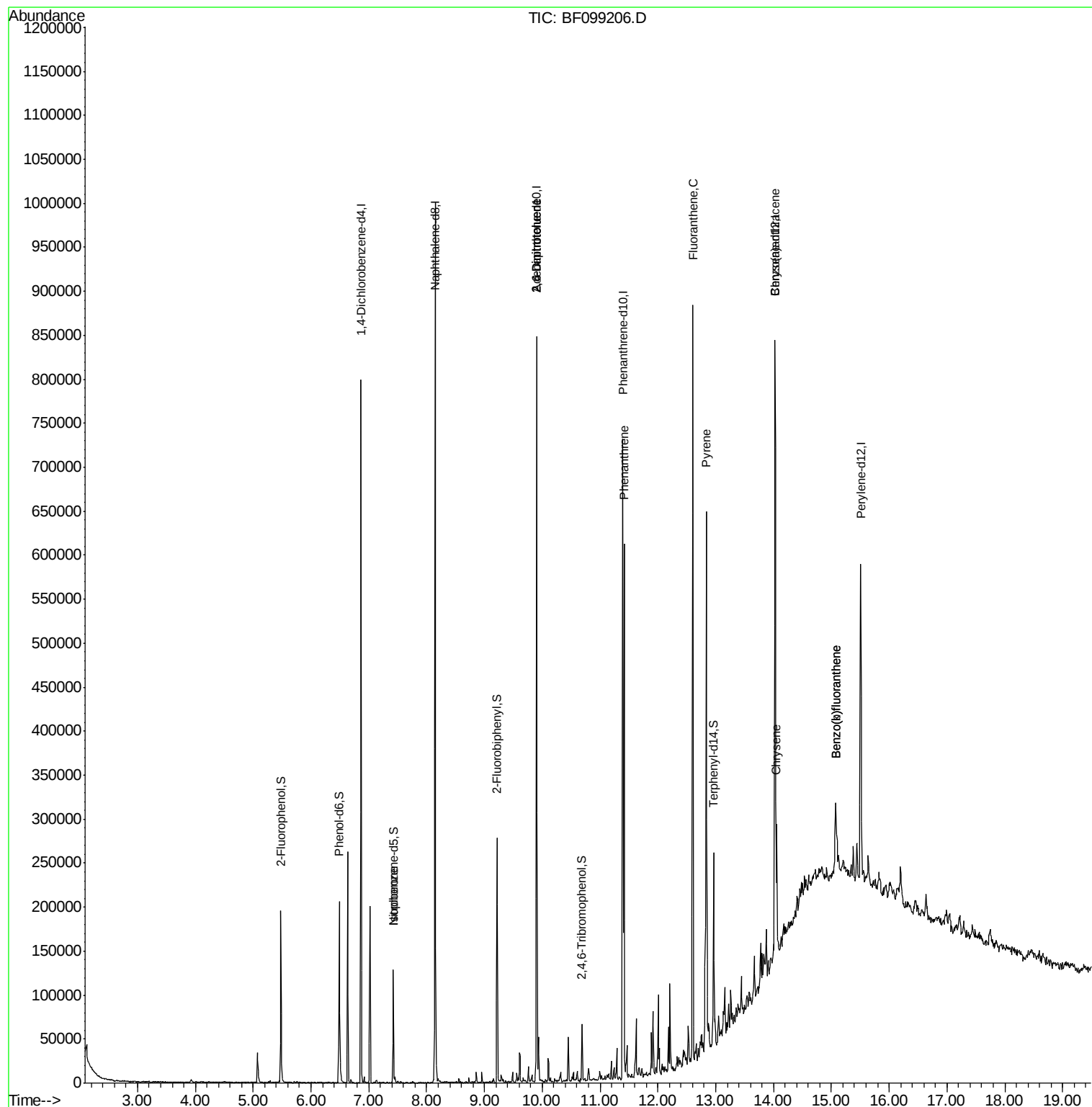
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	119563	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	441915	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	170878	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	260189	20.00	ng	0.00
75) Chrysene-d12	14.03	240	212088	20.00	ng	0.00
86) Perylene-d12	15.51	264	162134	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	61085	8.13	ng	0.00
7) Phenol-d6	6.49	99	77526	8.37	ng	0.00
23) Nitrobenzene-d5	7.42	82	39686	5.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	6363	4.55	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	84355	8.24	ng	-0.01
78) Terphenyl-d14	12.97	244	60830	6.52	ng	0.00
Target Compounds						
25) Isophorone	7.42	82	39694	2.786	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	21528	7.667	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	21528	5.908	ng	# 22
70) Phenanthrene	11.42	178	221652	15.915	ng	98
74) Fluoranthene	12.60	202	315323	22.359	ng	97
77) Pyrene	12.83	202	222100	13.733	ng	98
80) Benzo(a)anthracene	14.02	228	38243	2.978	ng	96
82) Chrysene	14.06	228	60687	4.964	ng	97
87) Benzo(b)fluoranthene	15.07	252	50848	5.101	ng	# 85
88) Benzo(k)fluoranthene	15.07	252	50909	5.170	ng	# 88

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

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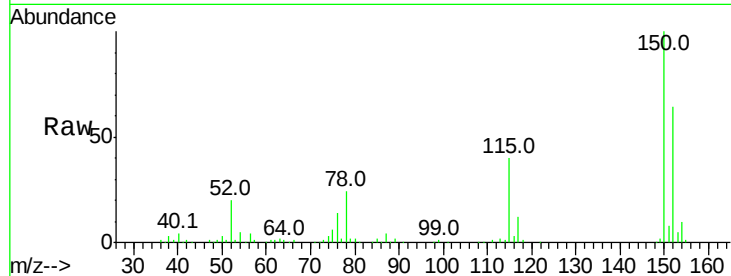


#1

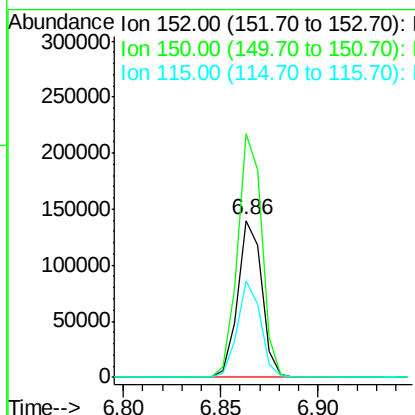
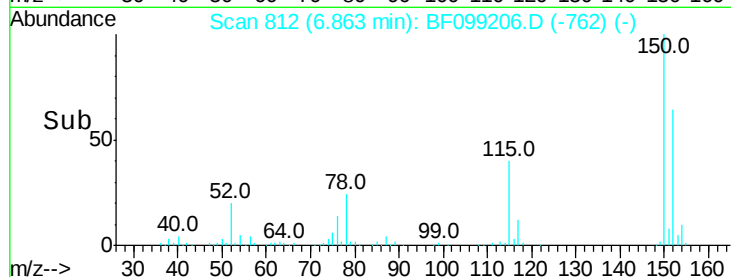
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 119563
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 61.7 50.1 75.1



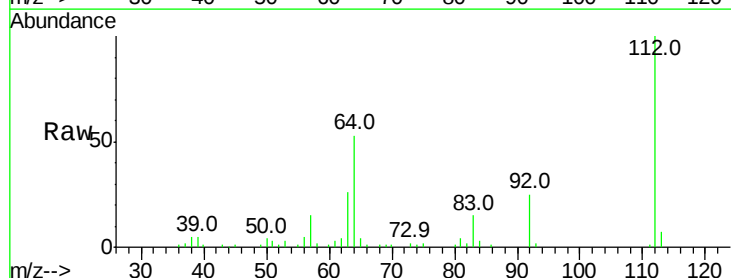
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



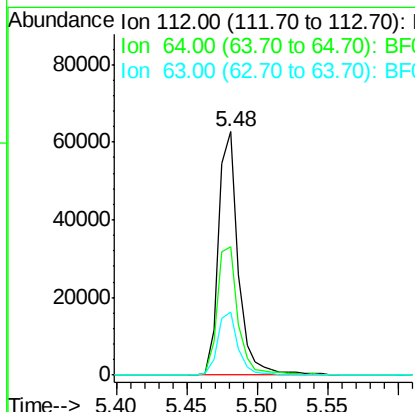
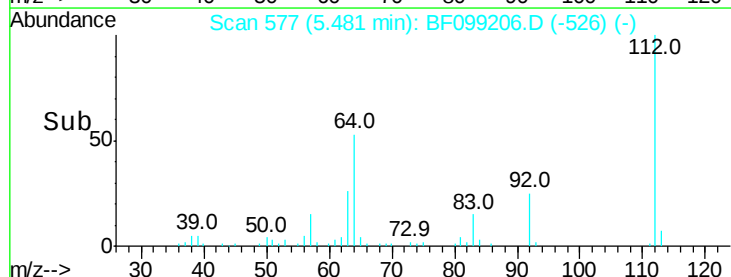
#5

2-Fluorophenol
Concen: 8.133 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Tgt Ion:112 Resp: 61085
Ion Ratio Lower Upper
112 100
64 52.9 47.9 71.9
63 25.9 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: 8.367 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099206.D

Acq: 7 Oct 2017 20:49

Instrument :

BNA_F

ClientSampleId :

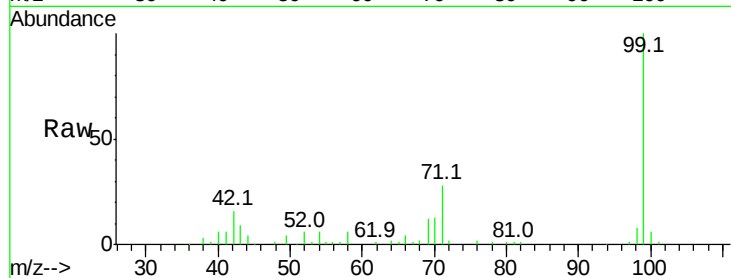
Tot Ion: 99 Resp: 77526

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

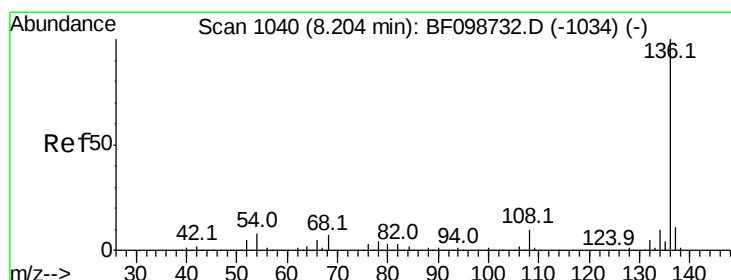
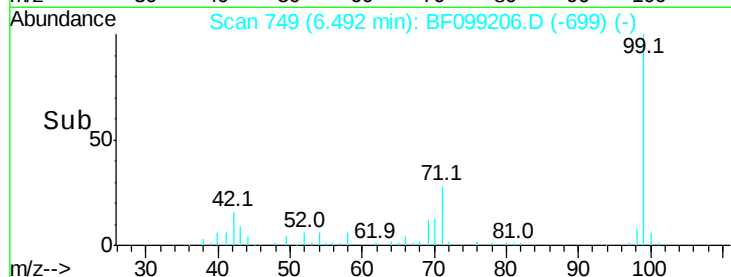
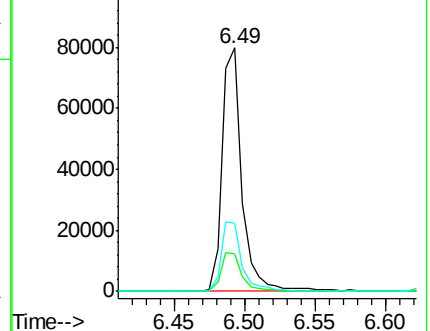
71 27.8 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099206.D

Acq: 7 Oct 2017 20:49

Tgt Ion: 136 Resp: 441915

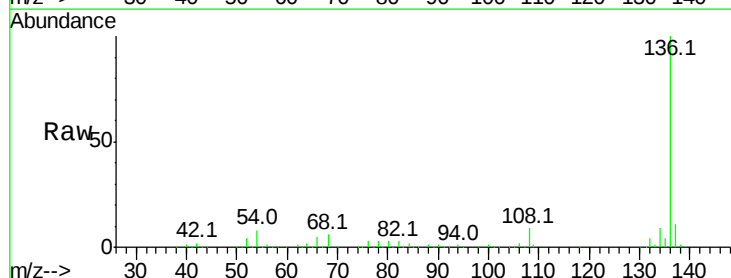
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.6 6.6 9.8

68 6.4 5.0 7.4

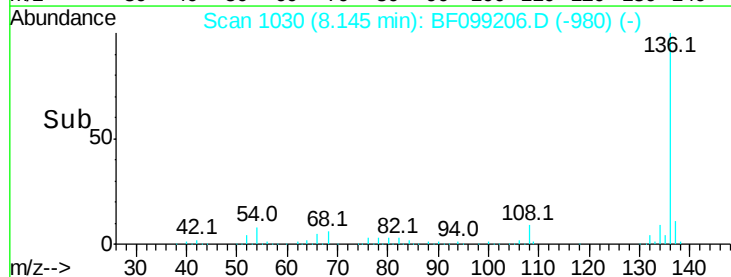
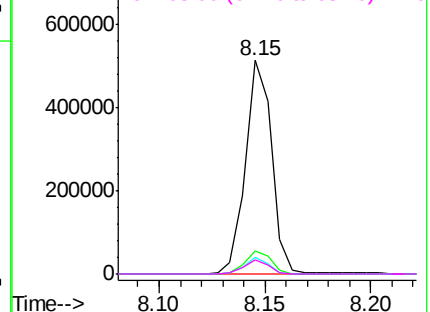


Abundance Ion 136.00 (135.70 to 136.70): E

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

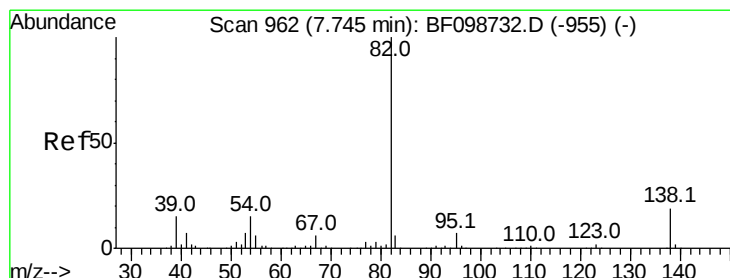
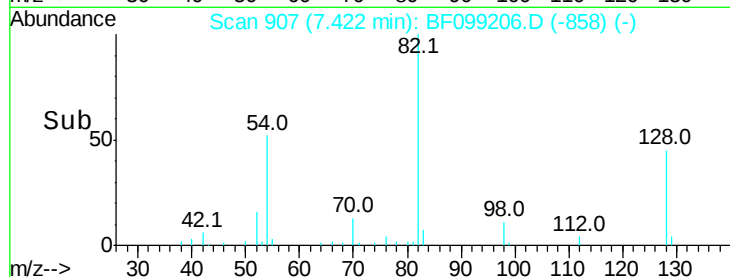
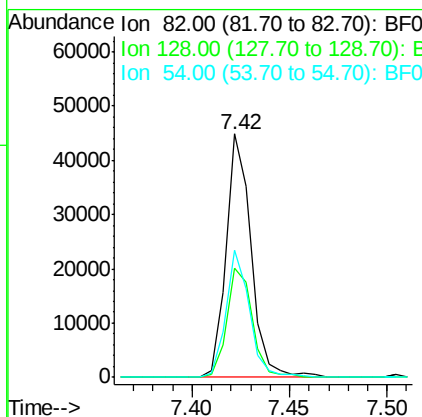
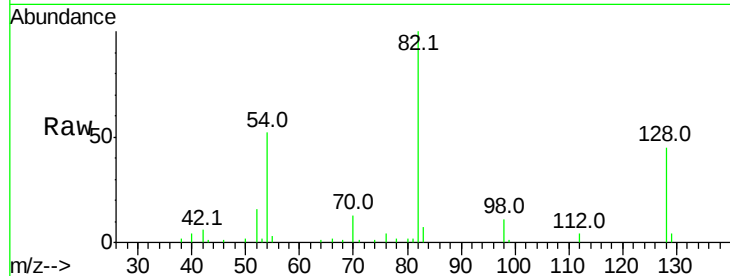




#23
 Nitrobenzene-d5
 Concen: 5.759 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

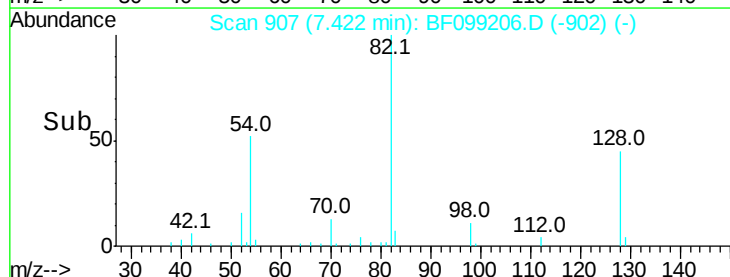
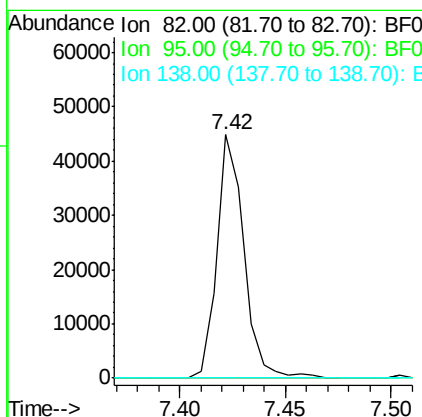
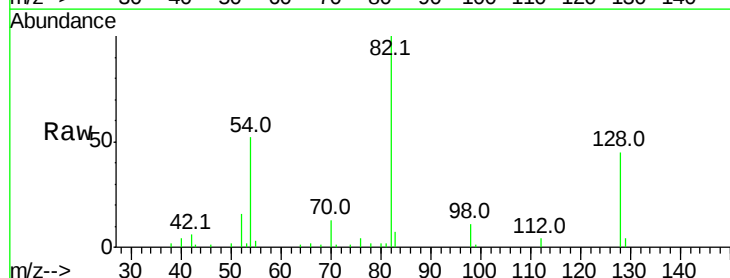
Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	39686
Ion Ratio	Lower	Upper	
82	100		
128	44.8	36.1	54.1
54	52.3	41.4	62.2



#25
 Isophorone
 Concen: 2.786 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.27 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

Tgt Ion	82	Resp	39694
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

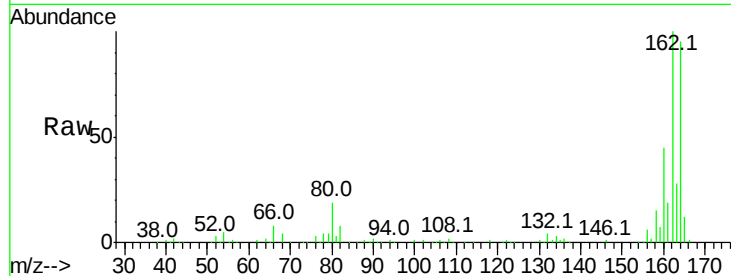




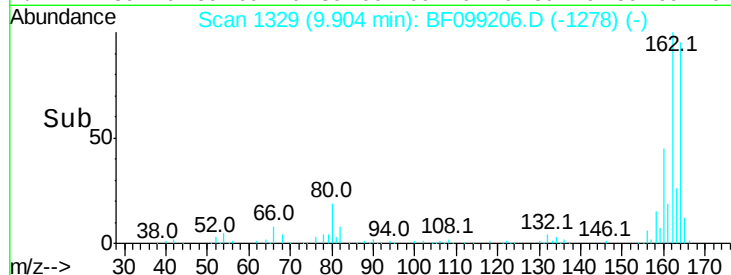
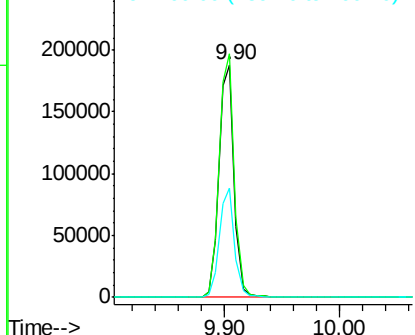
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 170878
Ion Ratio Lower Upper
164 100
162 104.7 86.1 129.1
160 46.9 38.3 57.5

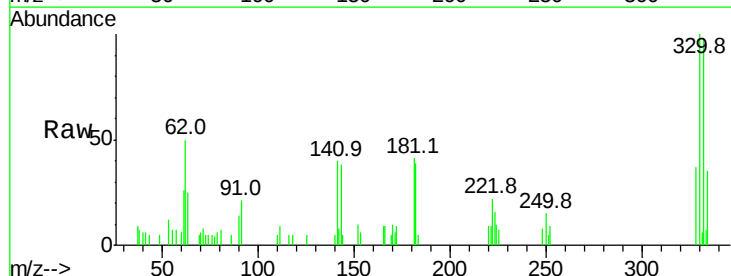


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

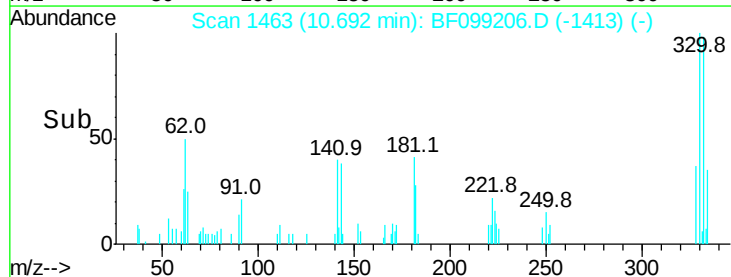
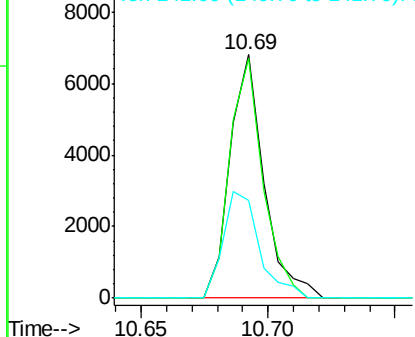


#41
2,4,6-Tribromophenol
Concen: 4.551 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Tgt Ion:330 Resp: 6363
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 46.5 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

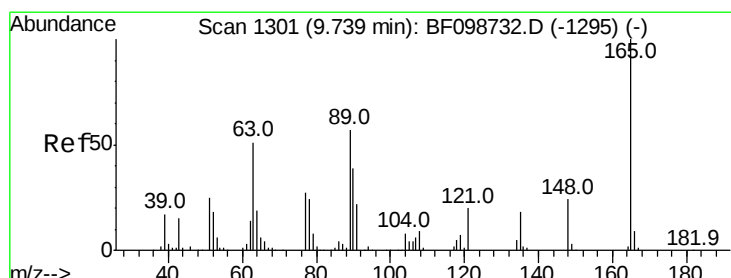
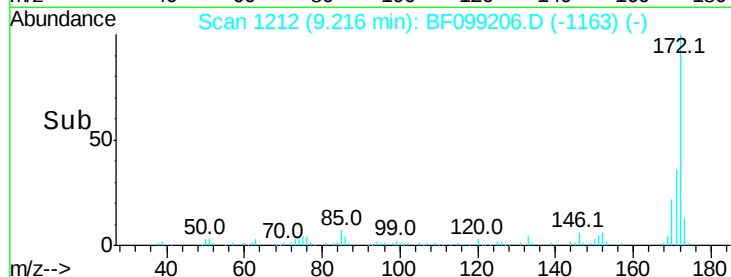
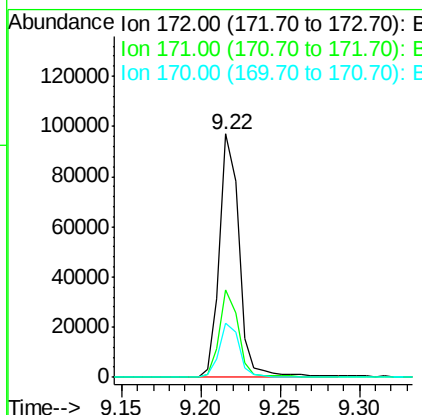
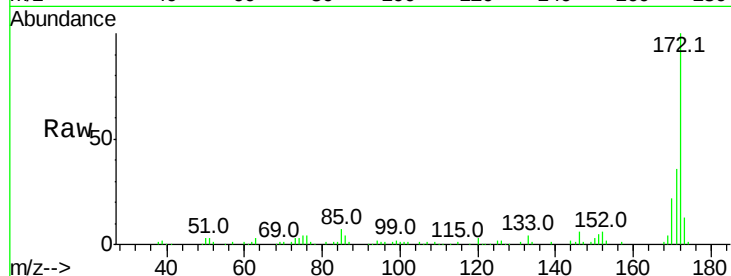




#44
 2-Fluorobiphenyl
 Concen: 8.241 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

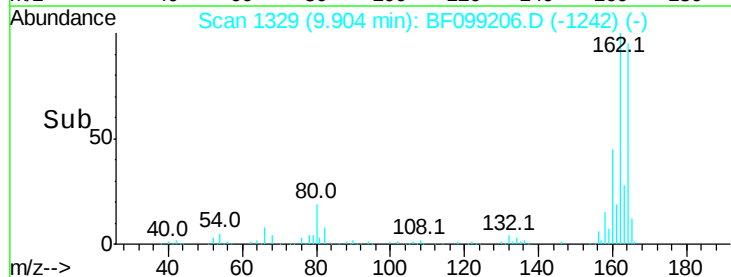
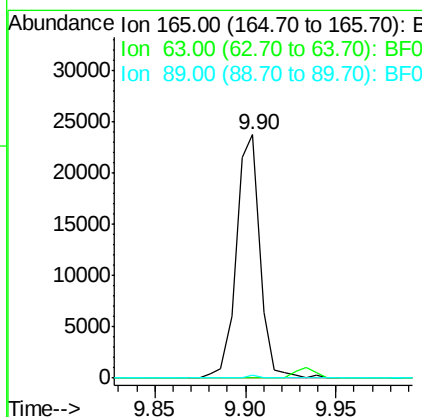
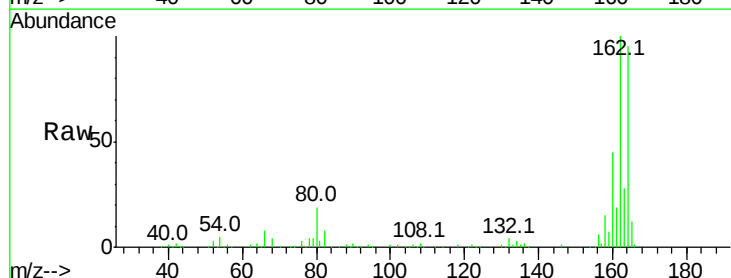
Instrument :
 BNA_F
 ClientSampleId :

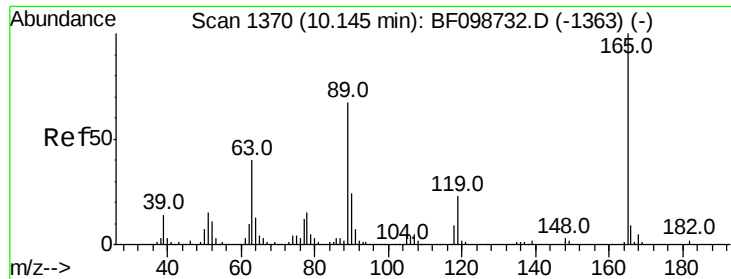
Tot Ion:172 Resp: 84355
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 22.0 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.667 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.21 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

Tgt Ion:165 Resp: 21528
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.4 44.0 66.0#

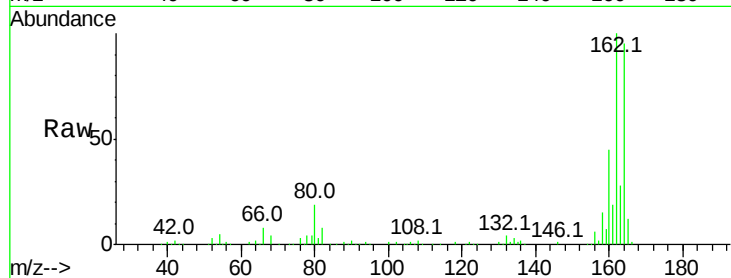




#56
 2,4-Dinitrotoluene
 Concen: 5.908 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.19 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

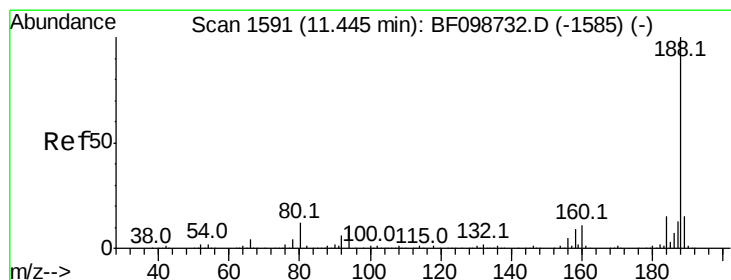
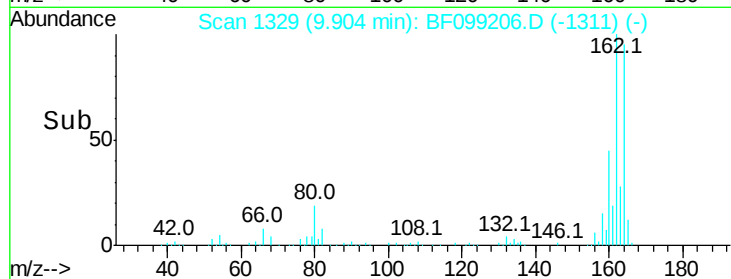
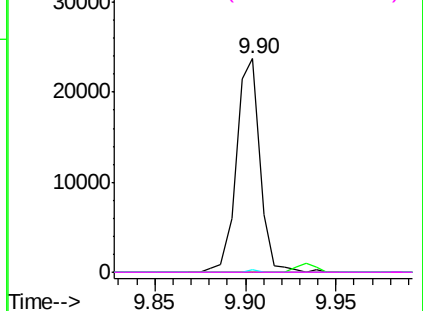


Abundance Ion 165.00 (164.70 to 165.70): E

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



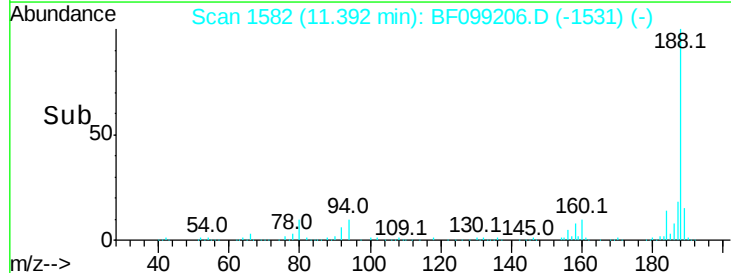
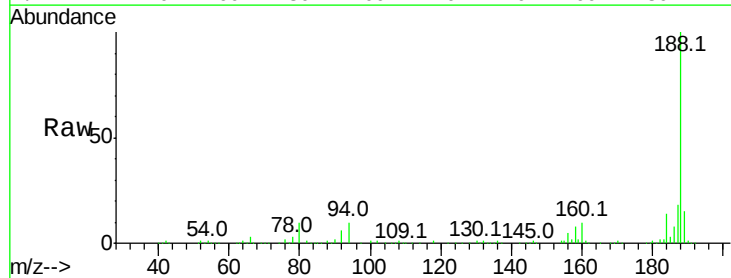
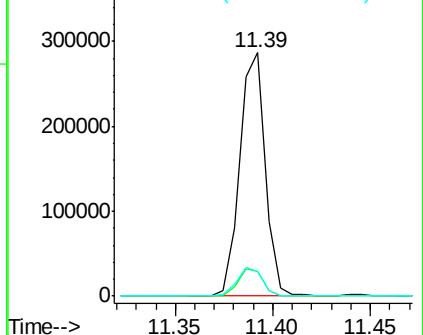
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

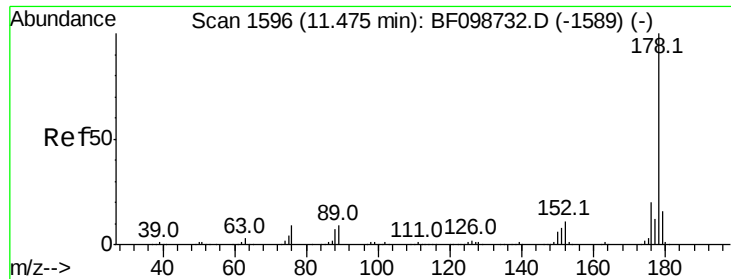
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.3	9.2	13.8

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

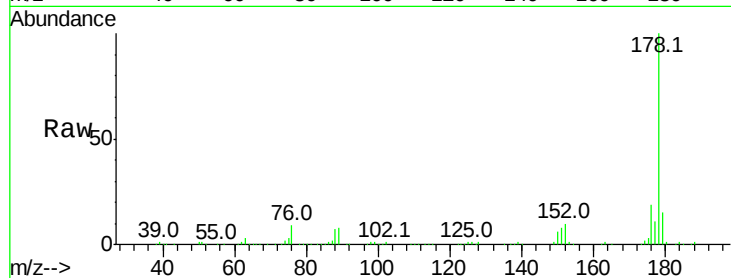




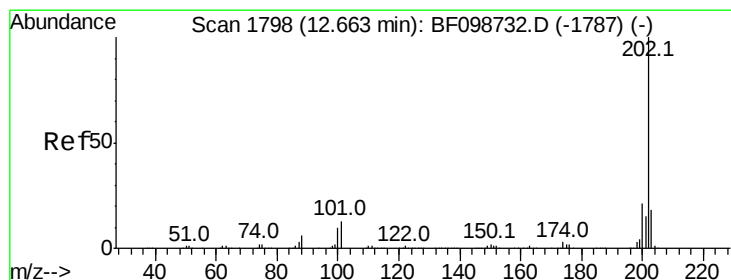
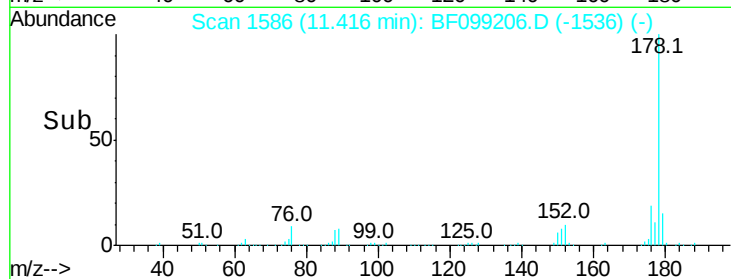
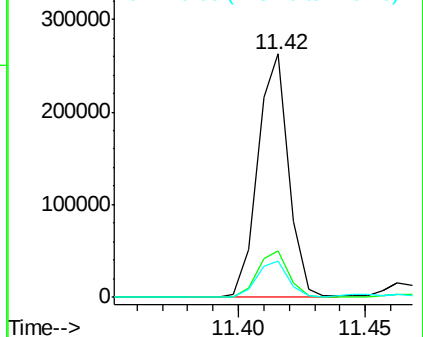
#70
Phenanthrene
Concen: 15.915 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 221652
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 14.9 13.0 19.6

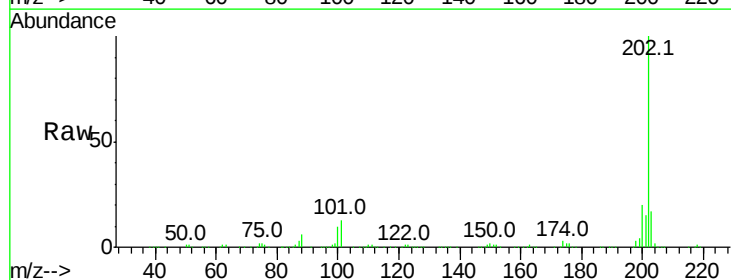


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

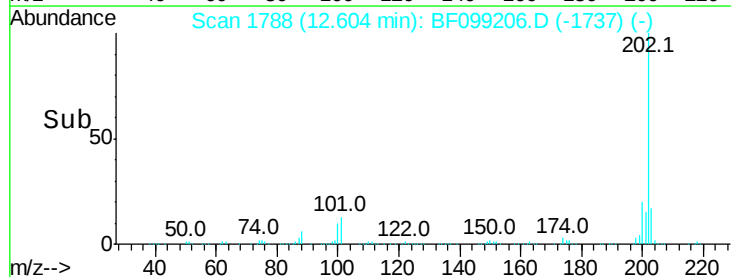
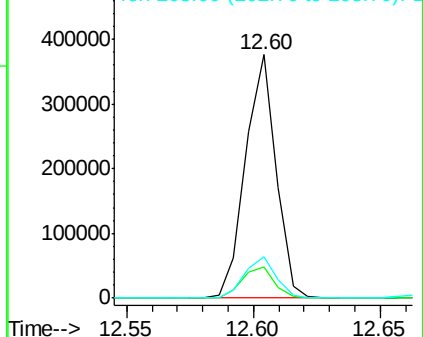


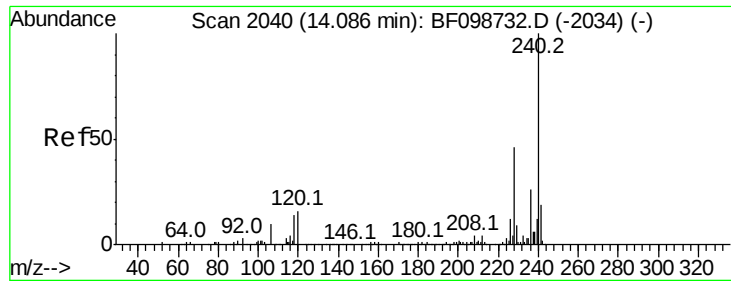
#74
Fluoranthene
Concen: 22.359 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Tgt Ion:202 Resp: 315323
Ion Ratio Lower Upper
202 100
101 13.0 0.0 34.1
203 16.9 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

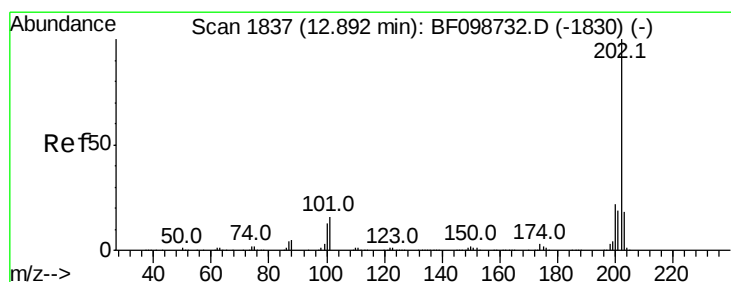
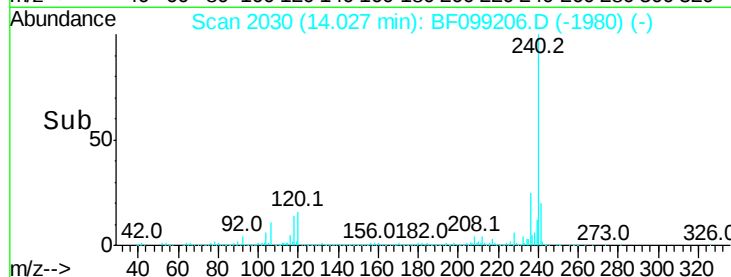
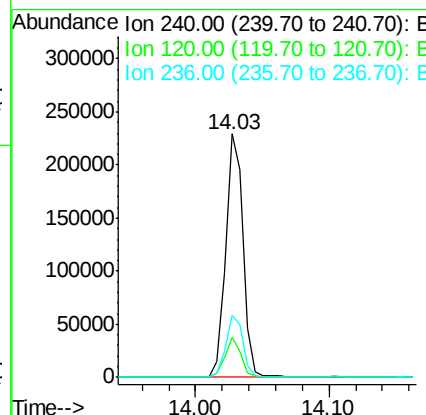
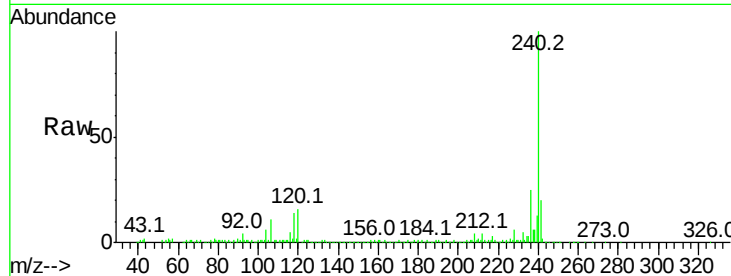




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

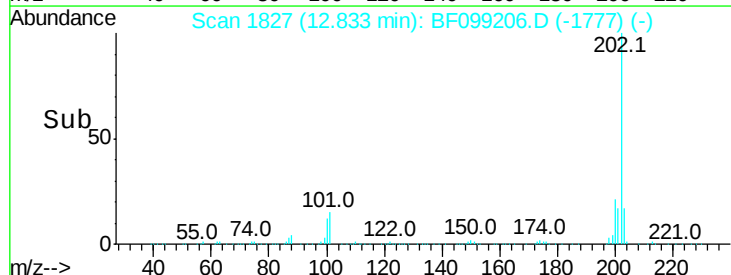
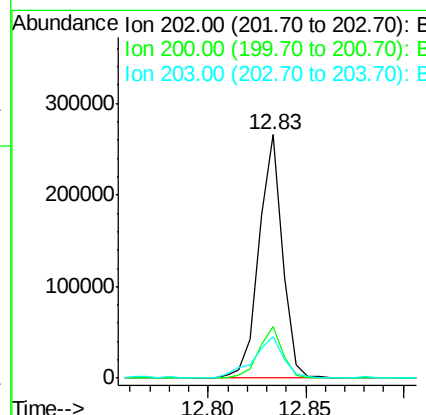
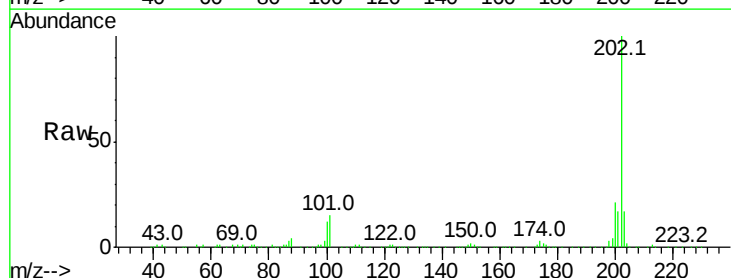
Instrument :
BNA_F
ClientSampleId :

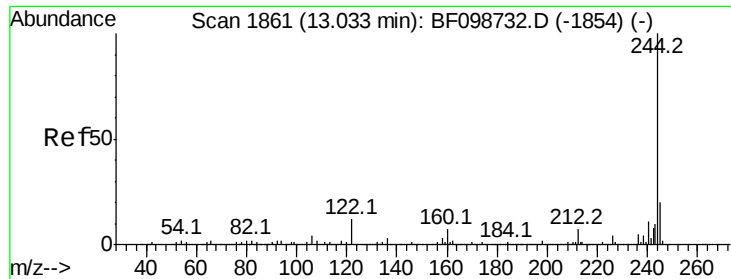
Tot Ion:240 Resp: 212088
Ion Ratio Lower Upper
240 100
120 16.3 9.5 14.3#
236 25.4 20.7 31.1



#77
Pyrene
Concen: 13.733 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Tgt Ion:202 Resp: 222100
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.1 14.3 21.5

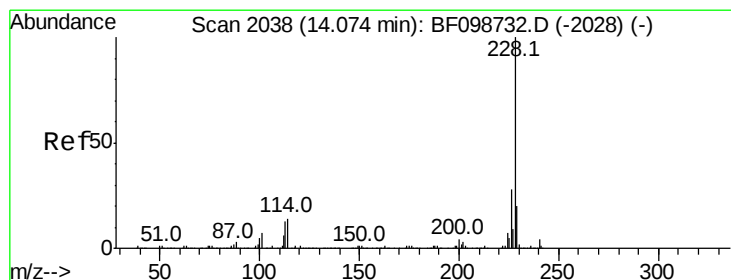
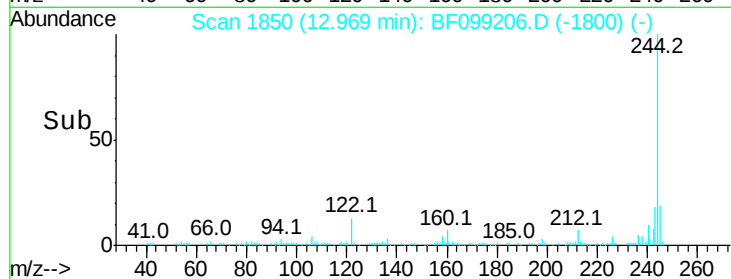
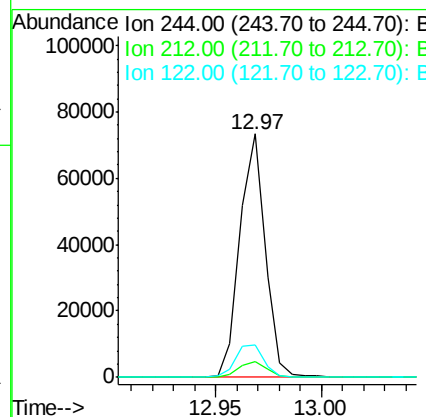
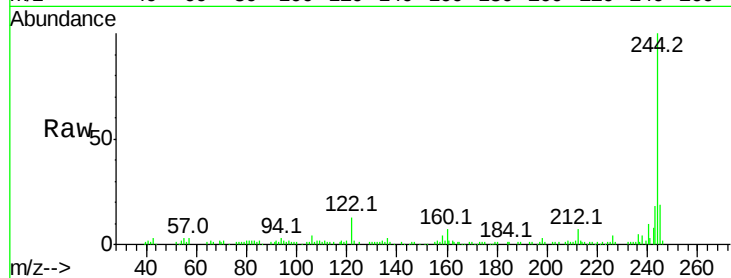




#78
 Terphenyl-d14
 Concen: 6.523 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

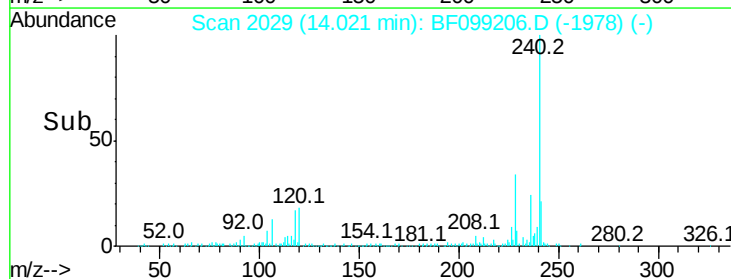
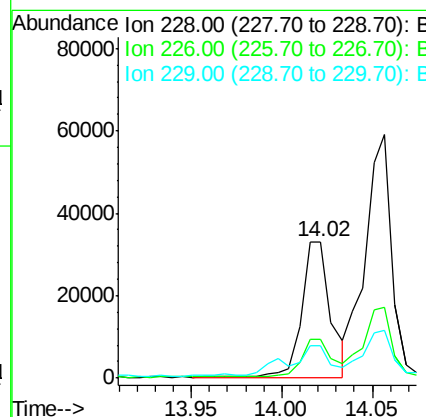
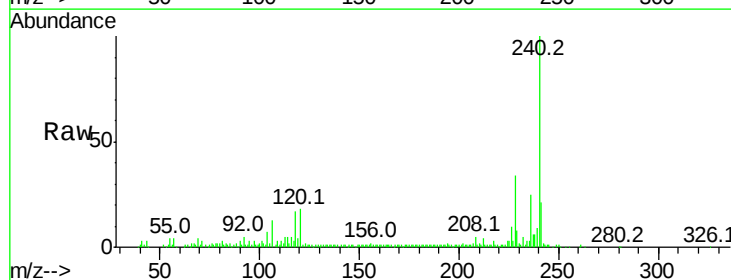
Instrument :
 BNA_F
 ClientSampleId :

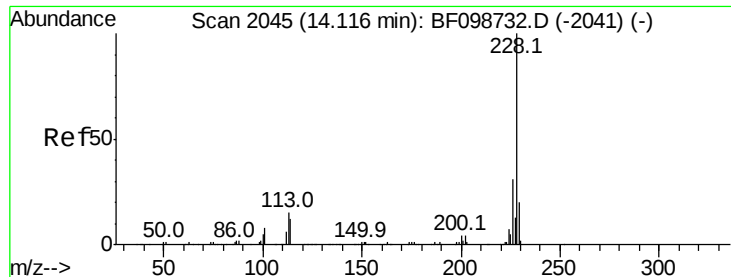
Tot Ion:244 Resp: 60830
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 13.4 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.978 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: BF099206.D
 Acq: 7 Oct 2017 20:49

Tgt Ion:228 Resp: 38243
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.6 33.8
 229 23.6 15.8 23.6





#82

Chrysene

Concen: 4.964 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF099206.D

Acq: 7 Oct 2017 20:49

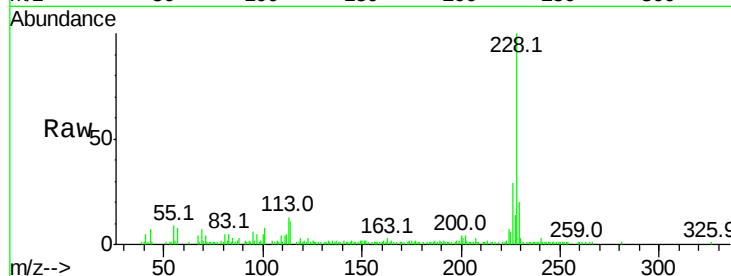
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 60687

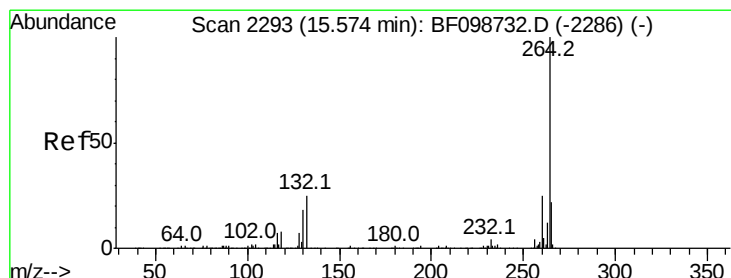
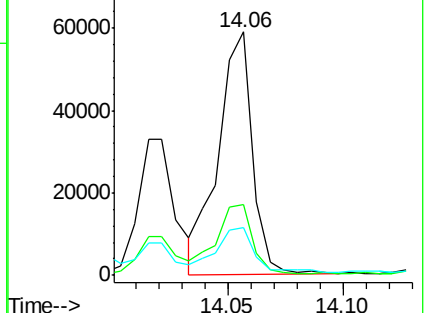
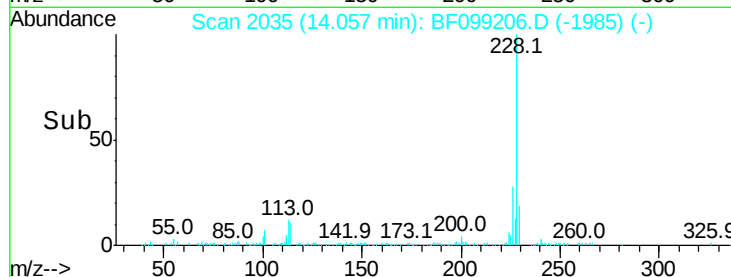
Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	19.8	16.2	24.4



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: 15.51 min Scan# 2282

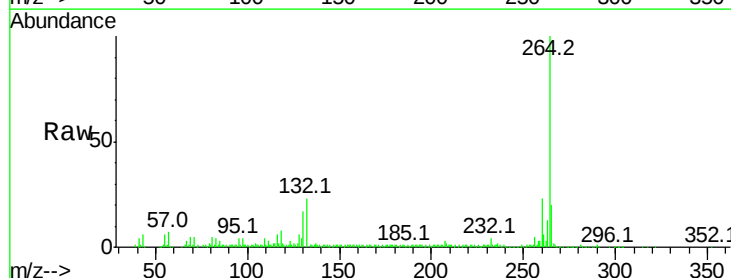
Delta R.T. 0.01 min

Lab File: BF099206.D

Acq: 7 Oct 2017 20:49

Tgt Ion:264 Resp: 162134

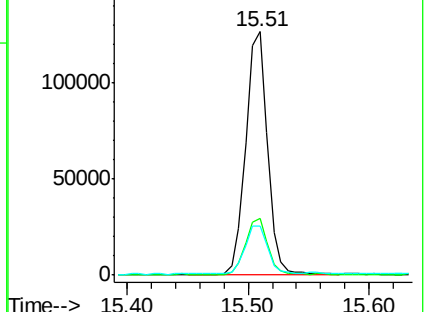
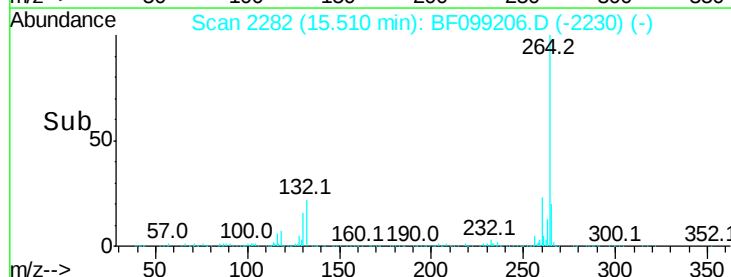
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.1	17.5	26.3

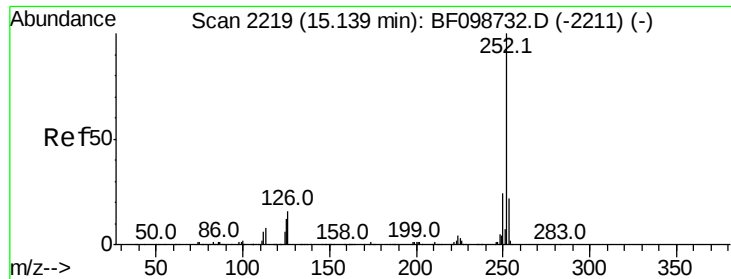


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

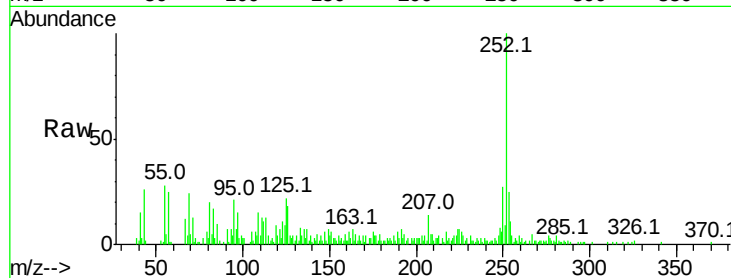




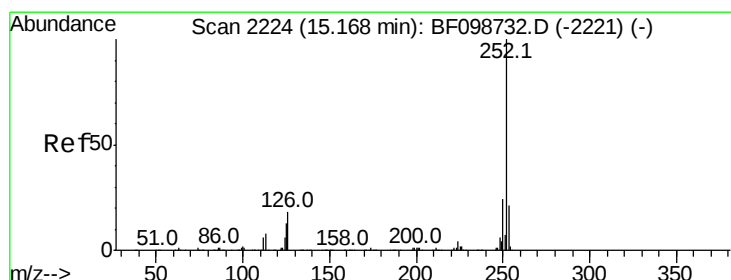
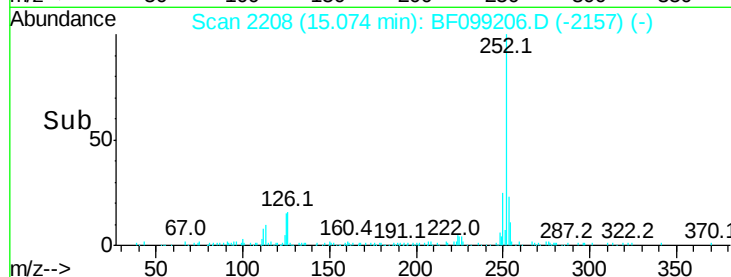
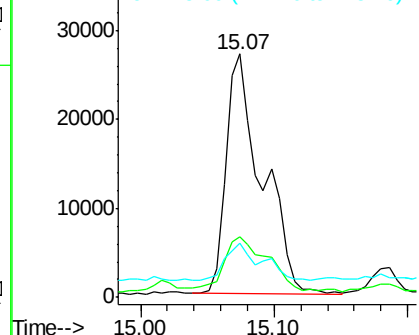
#87
Benzo(b)fluoranthene
Concen: 5.101 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 50848
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.6
125 22.3 9.0 13.6#

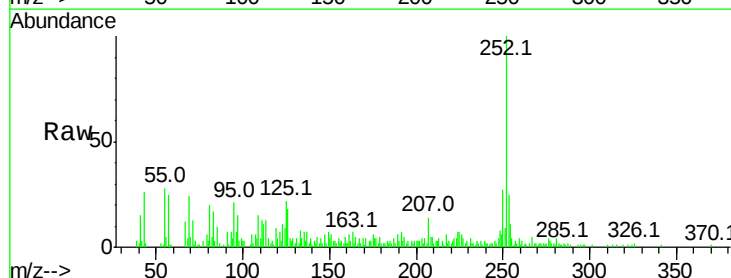


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 5.170 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF099206.D
Acq: 7 Oct 2017 20:49

Tgt Ion:252 Resp: 50909
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 22.3 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

