

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099197.D
 Acq On : 7 Oct 2017 16:35
 Operator : SJ/JU
 Sample : I5586-13 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:36:15 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

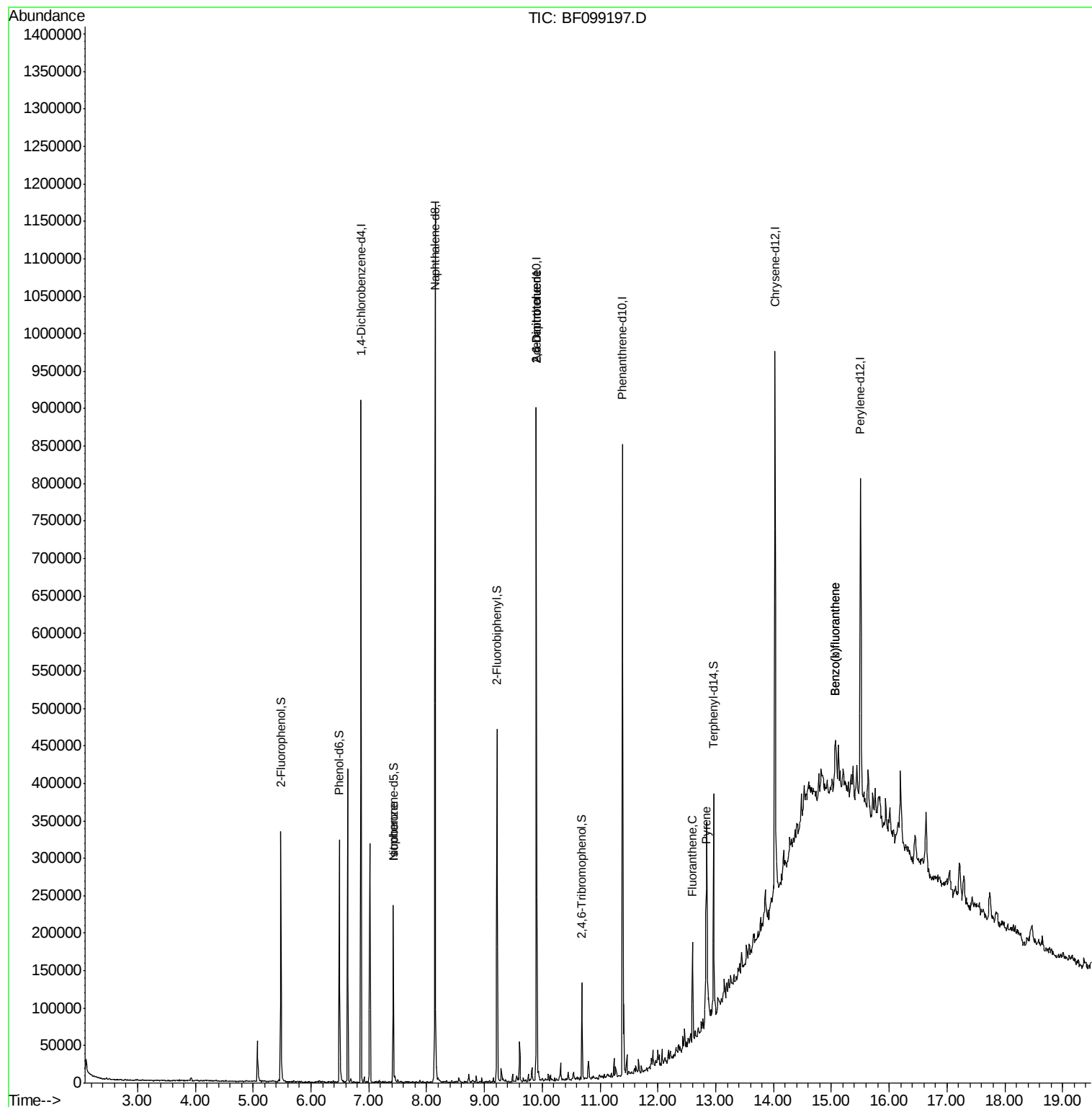
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	123761	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	473212	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	185394	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	270093	20.00	ng	0.00
75) Chrysene-d12	14.03	240	222690	20.00	ng	0.00
86) Perylene-d12	15.51	264	180330	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	100363	12.91	ng	0.00
7) Phenol-d6	6.49	99	121381	12.66	ng	0.00
23) Nitrobenzene-d5	7.42	82	63905	8.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	12236	8.07	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	132716	11.95	ng	-0.01
78) Terphenyl-d14	12.97	244	86411	8.82	ng	0.00
Target Compounds						
25) Isophorone	7.42	82	63904	4.189	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	23117	7.589	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	23117	5.847	ng	# 22
74) Fluoranthene	12.60	202	46085	3.148	ng	98
77) Pyrene	12.83	202	41329	2.434	ng	97
87) Benzo(b)fluoranthene	15.07	252	31548	2.845	ng	# 65
88) Benzo(k)fluoranthene	15.07	252	31548	2.881	ng	# 68

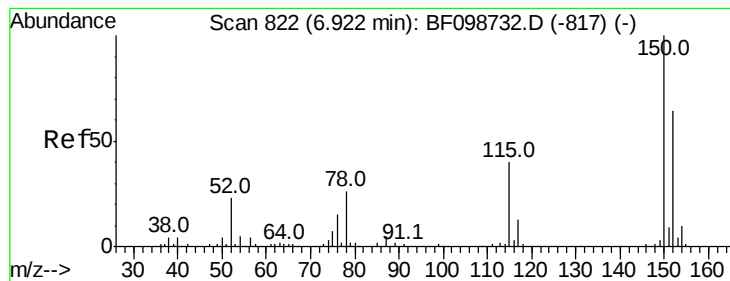
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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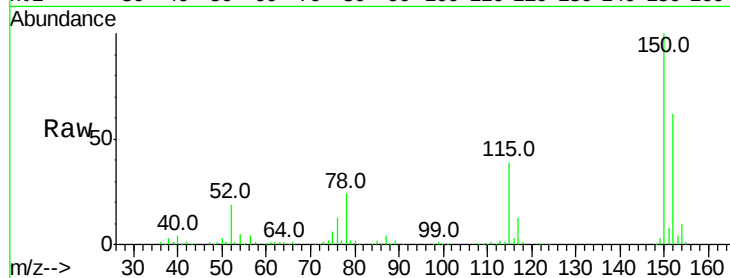


#1

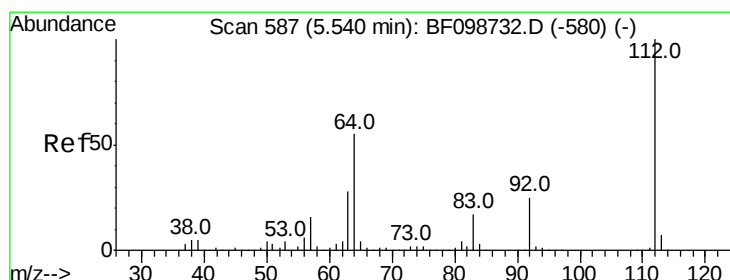
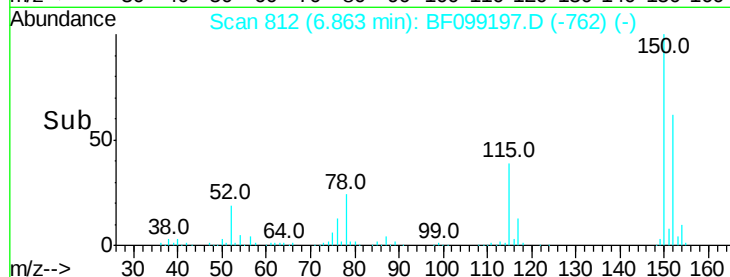
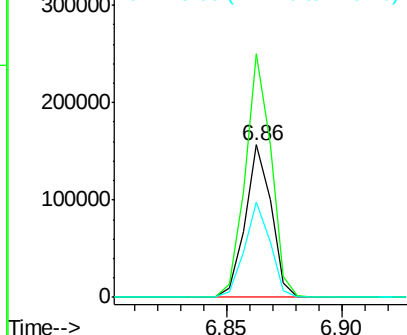
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099197.D
Acq: 7 Oct 2017 16:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	62.2	50.1	75.1



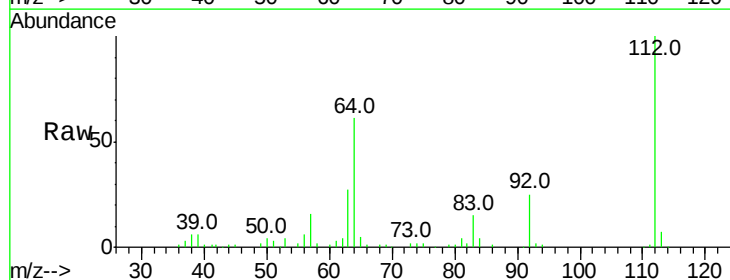
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



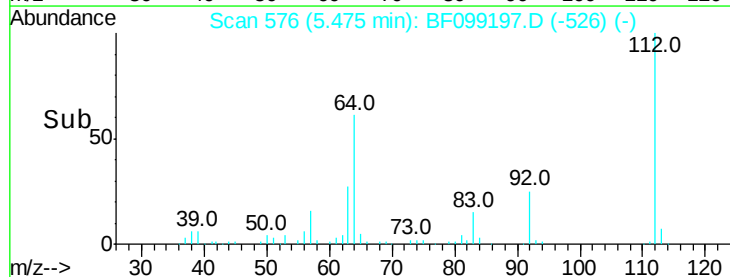
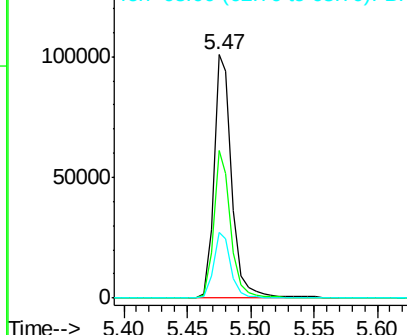
#5

2-Fluorophenol
Concen: 12.909 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF099197.D
Acq: 7 Oct 2017 16:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.9	71.9
63	27.2	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: 12.656 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099197.D

Acq: 7 Oct 2017 16:35

Instrument :

BNA_F

ClientSampleId :

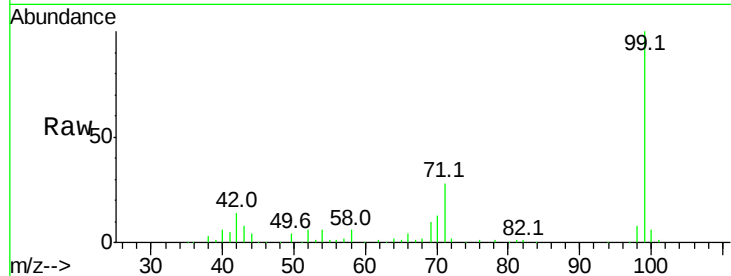
Tot Ion: 99 Resp: 121381

Ion Ratio Lower Upper

99 100

42 14.1 14.5 21.7#

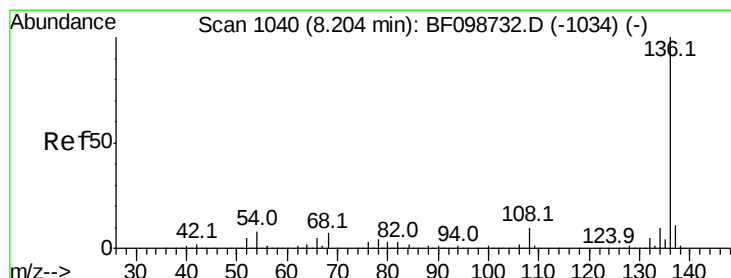
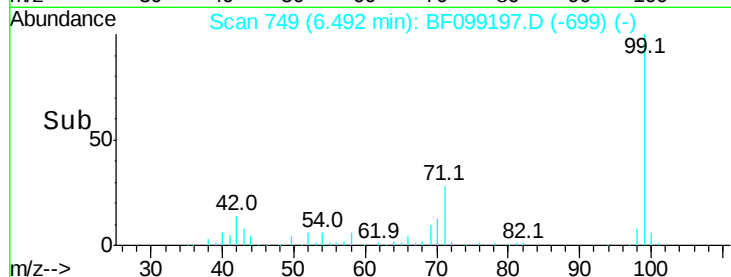
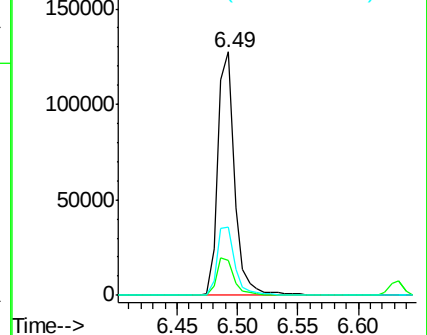
71 27.9 25.4 38.0



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: BF099197.D

Acq: 7 Oct 2017 16:35

Tgt Ion: 136 Resp: 473212

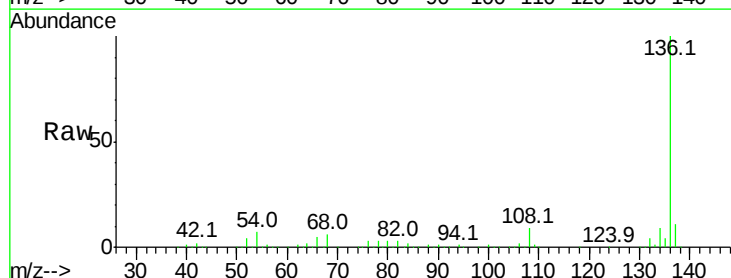
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.3 6.6 9.8

68 6.4 5.0 7.4

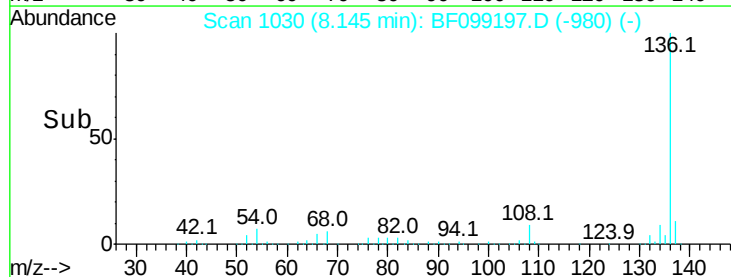
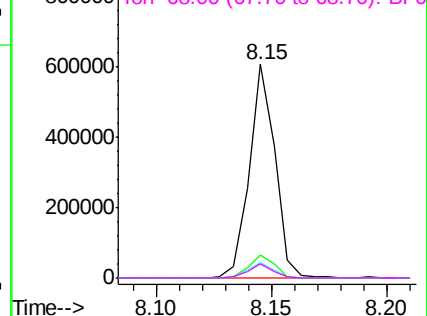


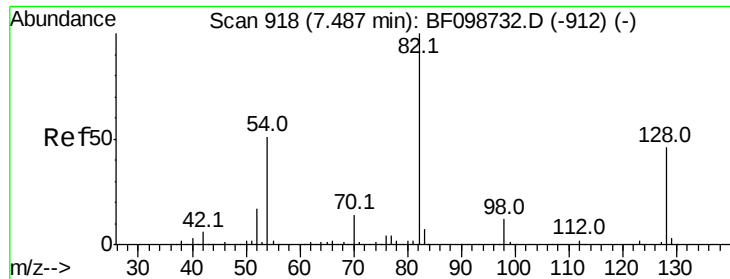
Abundance Ion 136.00 (135.70 to 136.70): E

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

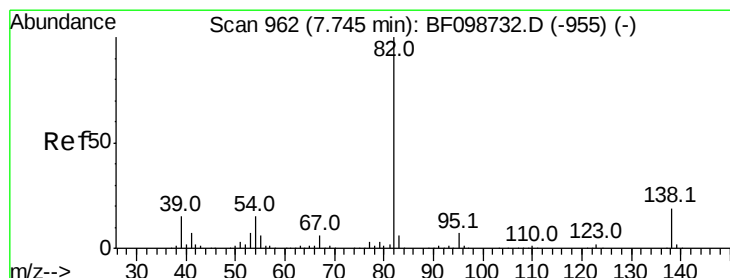
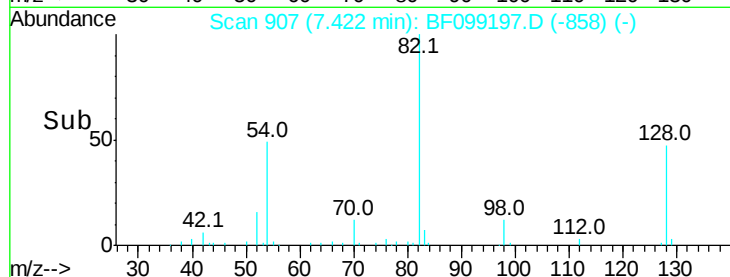
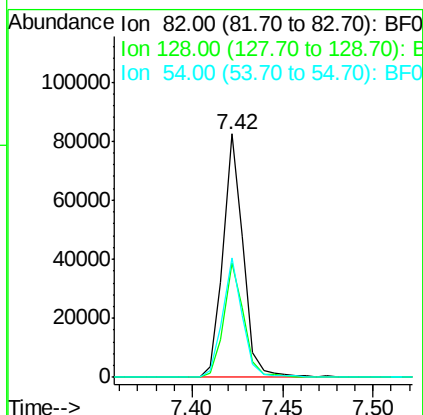
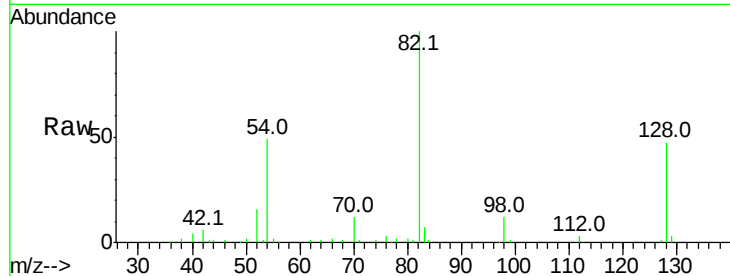




#23
 Nitrobenzene-d5
 Concen: 8.660 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099197.D
 Acq: 7 Oct 2017 16:35

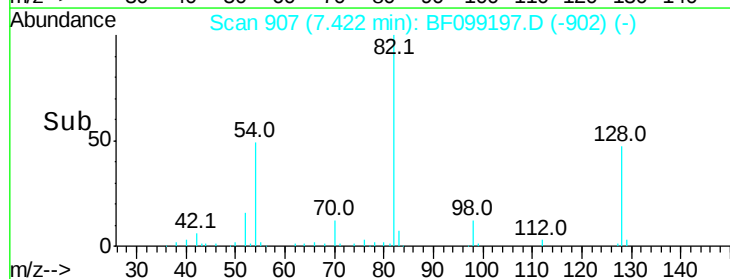
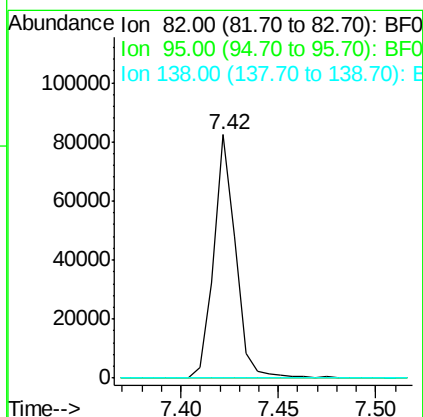
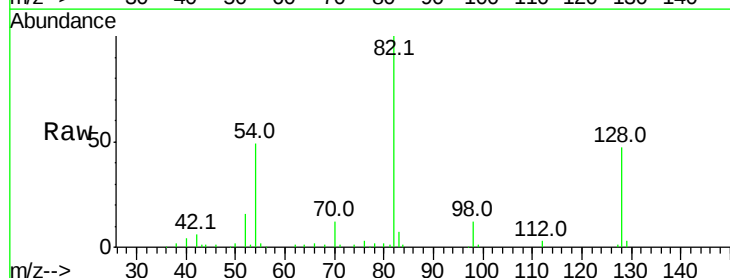
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	63905
Ion Ratio	Lower	Upper	
82	100		
128	47.2	36.1	54.1
54	49.0	41.4	62.2



#25
 Isophorone
 Concen: 4.189 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.27 min
 Lab File: BF099197.D
 Acq: 7 Oct 2017 16:35

Tgt Ion	82	Resp	63904
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

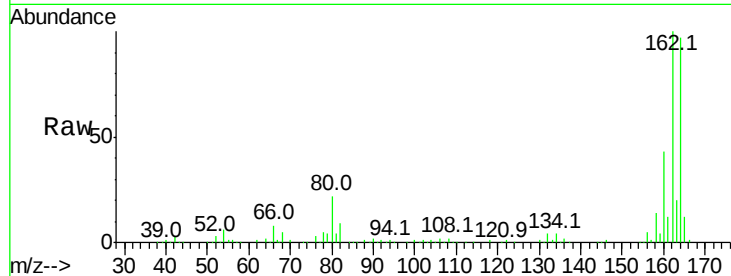




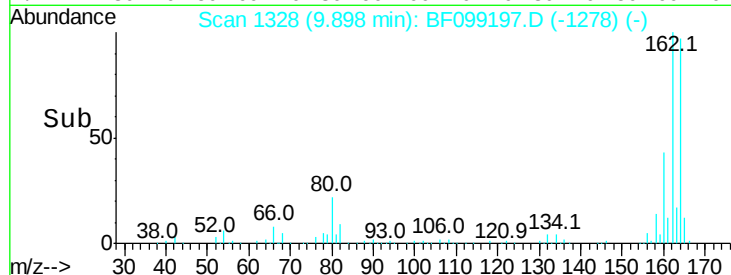
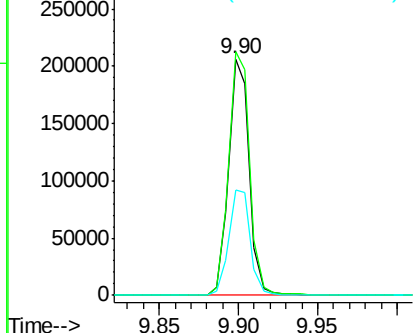
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099197.D
 Acq: 7 Oct 2017 16:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 185394
 Ion Ratio Lower Upper
 164 100
 162 103.2 86.1 129.1
 160 44.9 38.3 57.5

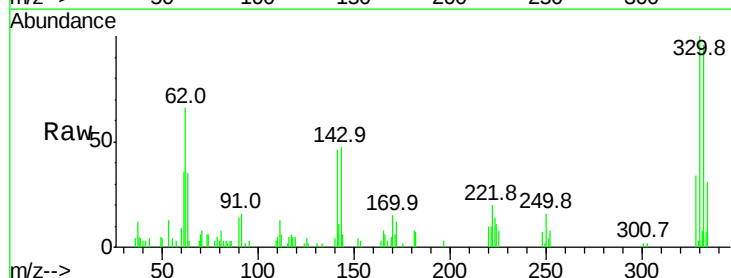


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

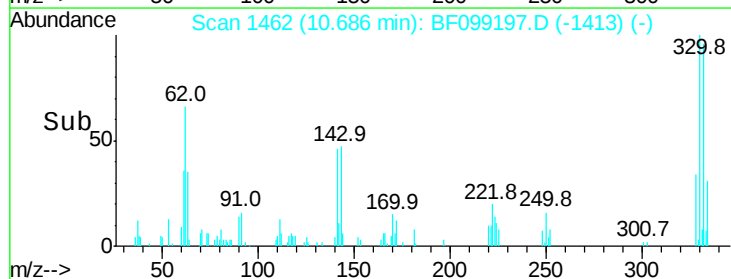
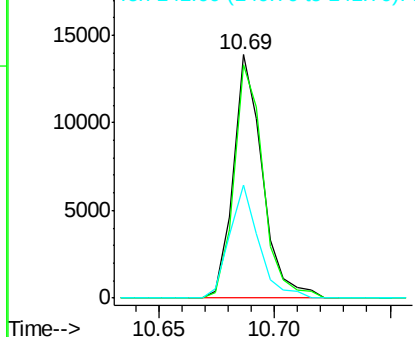


#41
 2,4,6-Tribromophenol
 Concen: 8.066 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099197.D
 Acq: 7 Oct 2017 16:35

Tgt Ion:330 Resp: 12236
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 46.6 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

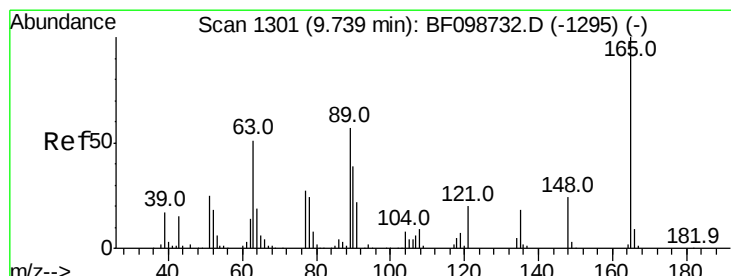
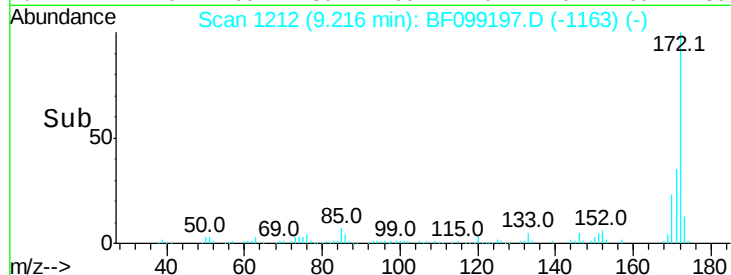
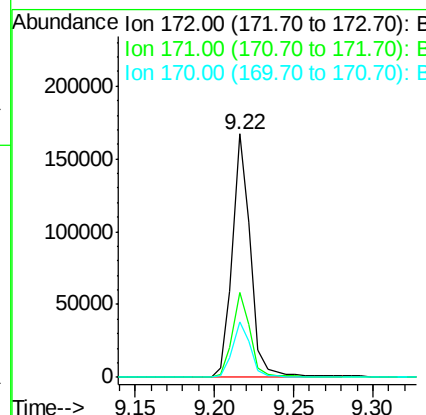
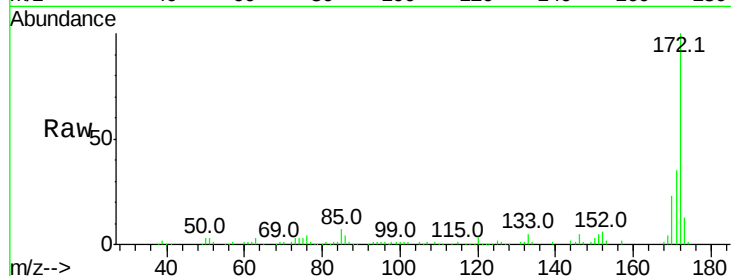




#44
 2-Fluorobiphenyl
 Concen: 11.951 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099197.D
 Acq: 7 Oct 2017 16:35

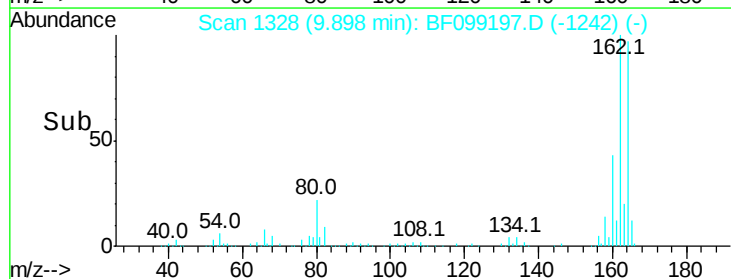
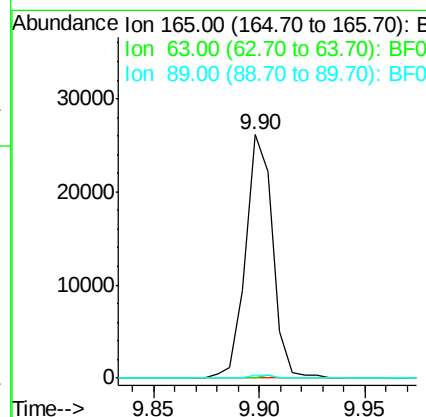
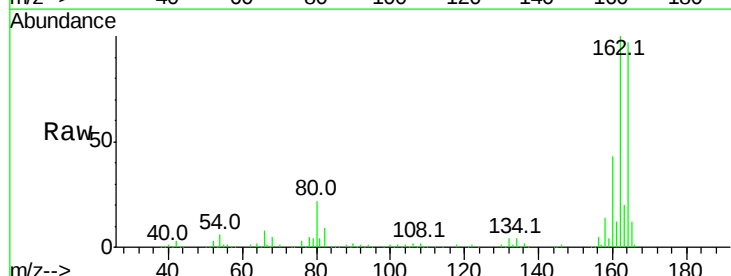
Instrument :
 BNA_F
 ClientSampleId :

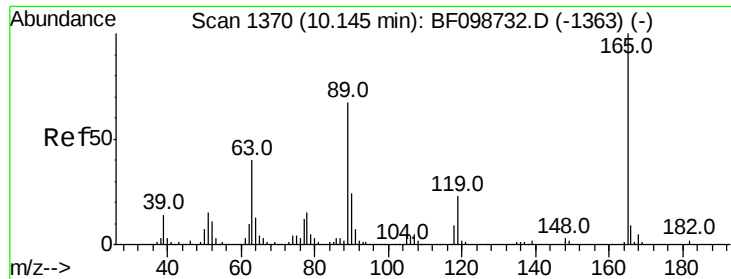
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.0	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.589 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099197.D
 Acq: 7 Oct 2017 16:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.3	44.0	66.0#

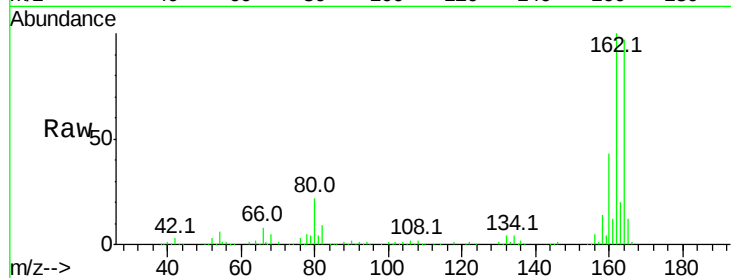




#56
 2,4-Dinitrotoluene
 Concen: 5.847 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099197.D
 Acq: 7 Oct 2017 16:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	23117
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.3	57.8 86.6#
182	0.0	1.6 2.4#

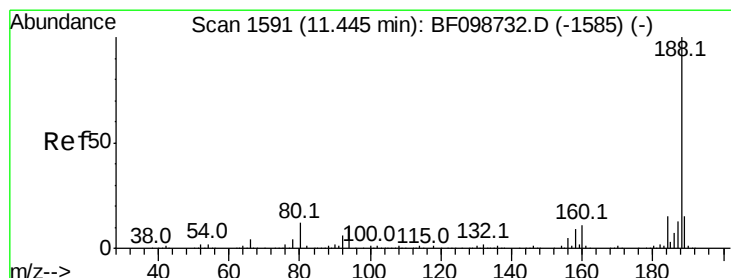
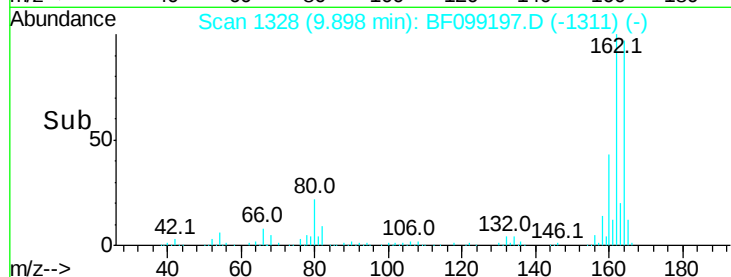
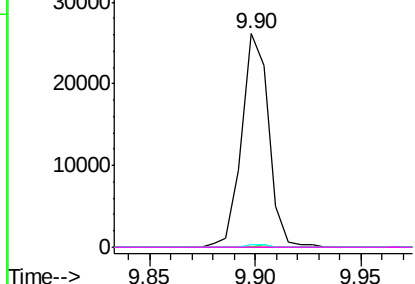


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

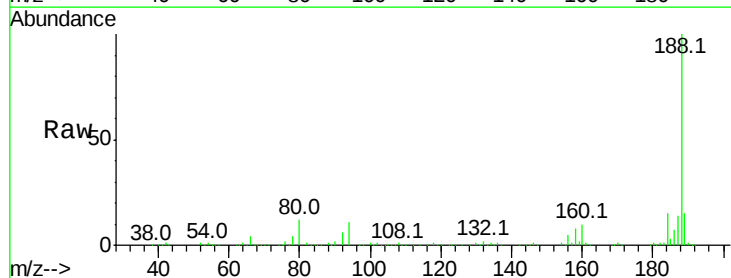
Ion 89.00 (88.70 to 89.70): BF0

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: BF099197.D
 Acq: 7 Oct 2017 16:35

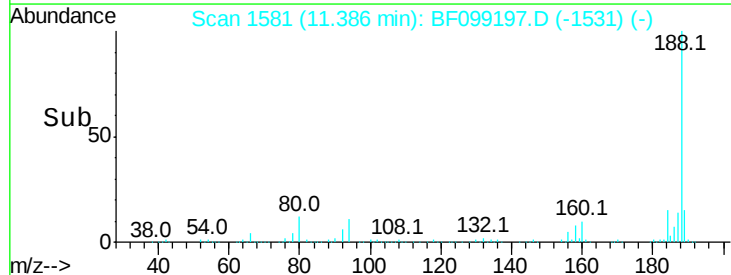
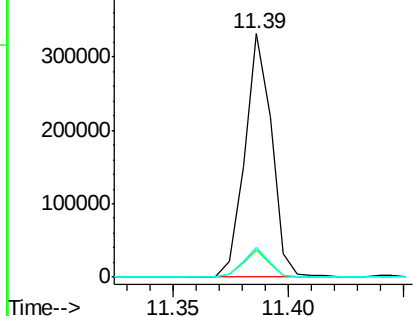
Tgt Ion:188	Resp:	270093
Ion Ratio	Lower	Upper
188	100	
94	11.1	8.5 12.7
80	12.3	9.2 13.8

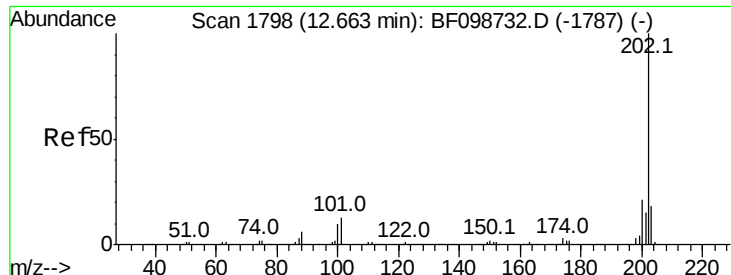


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 3.148 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099197.D

Acq: 7 Oct 2017 16:35

Instrument :

BNA_F

ClientSampleId :

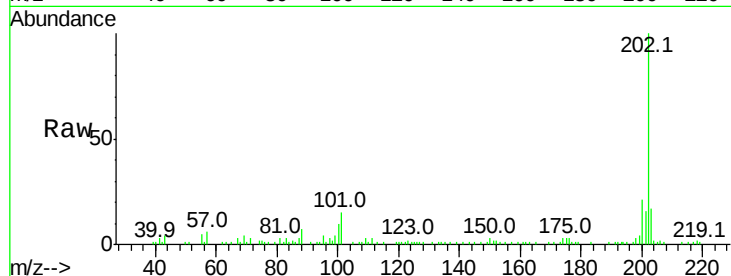
Tot Ion:202 Resp: 46085

Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.1

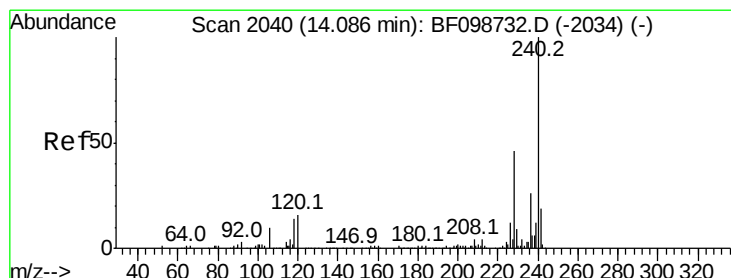
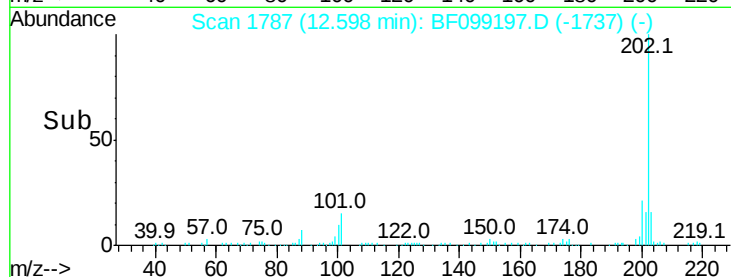
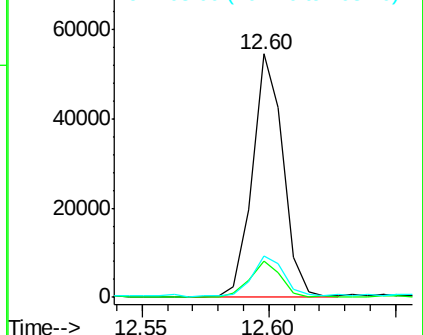
203 17.1 0.0 38.1



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: BF099197.D

Acq: 7 Oct 2017 16:35

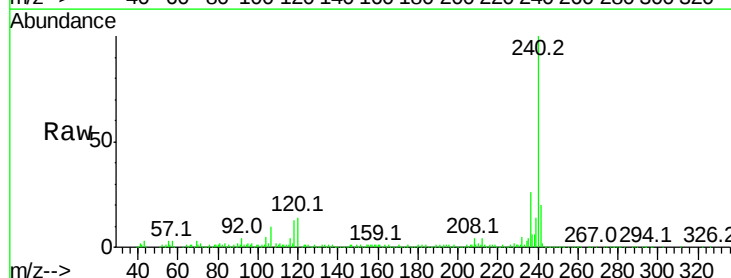
Tgt Ion:240 Resp: 222690

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3

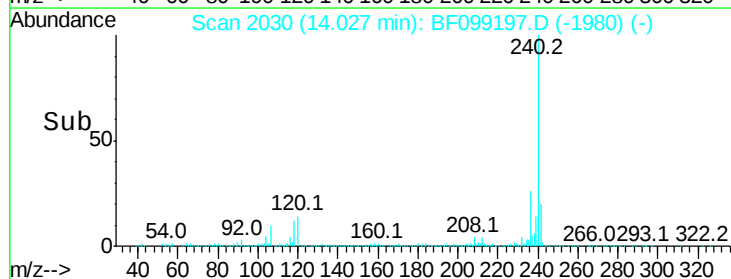
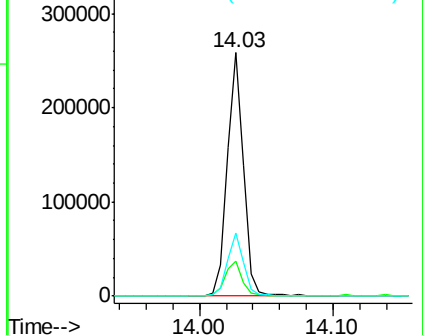
236 26.0 20.7 31.1

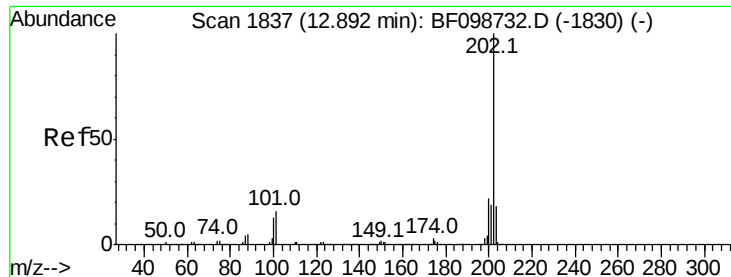


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.434 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099197.D

Acq: 7 Oct 2017 16:35

Instrument :

BNA_F

ClientSampleId :

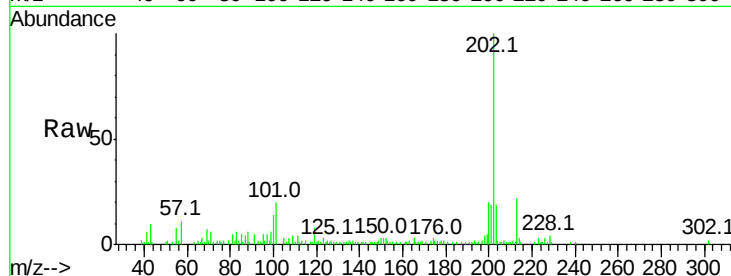
Tot Ion:202 Resp: 41329

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

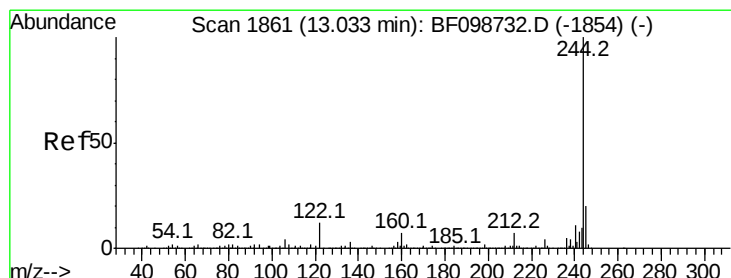
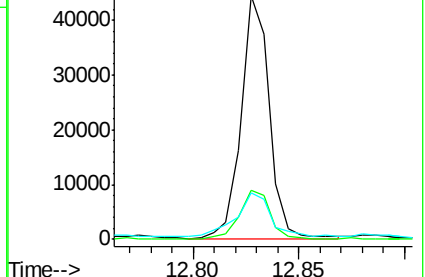
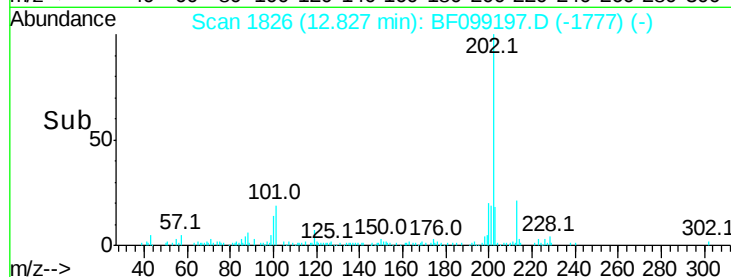
203 19.3 14.3 21.5



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: 8.825 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099197.D

Acq: 7 Oct 2017 16:35

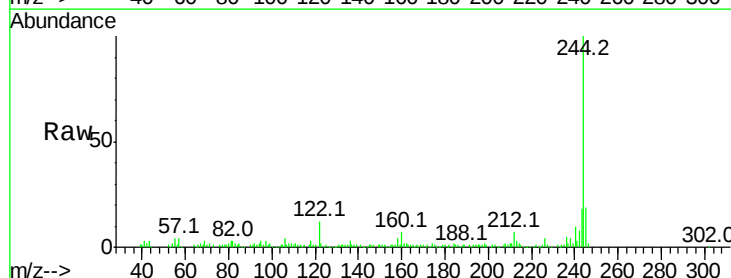
Tgt Ion:244 Resp: 86411

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

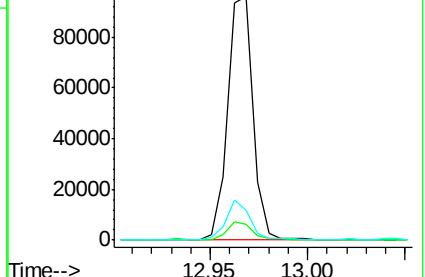
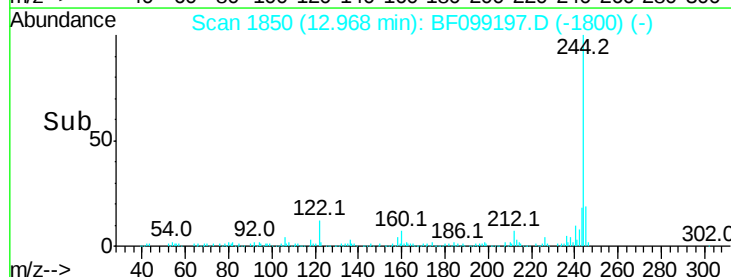
122 12.1 11.0 16.4

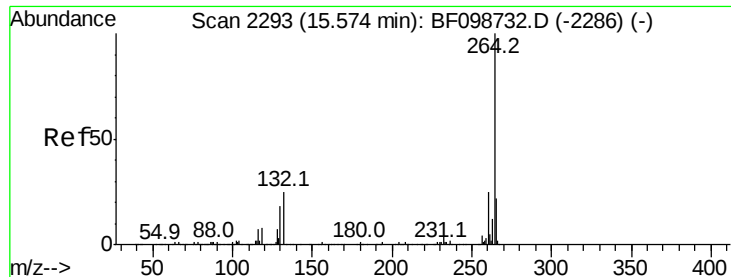


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



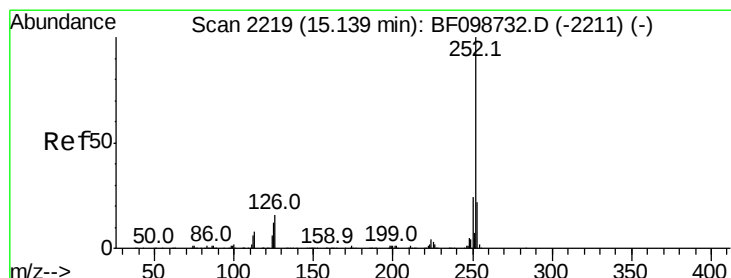
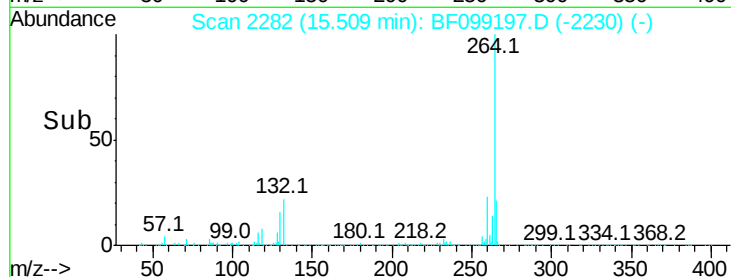
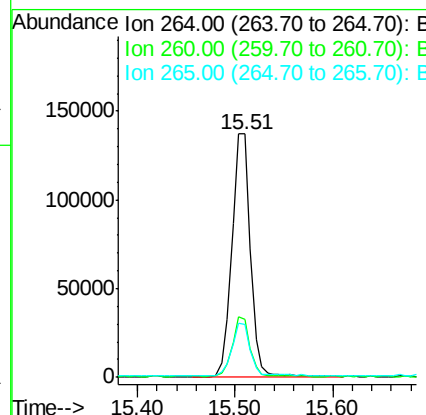
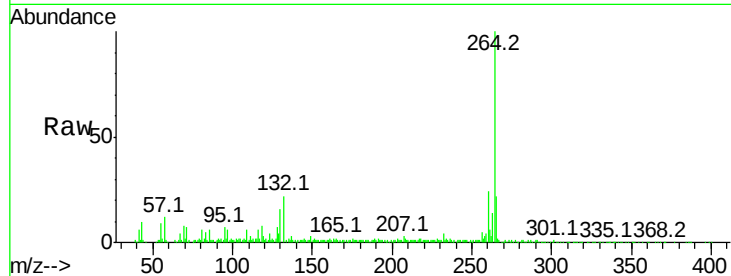


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF099197.D
Acq: 7 Oct 2017 16:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 180330

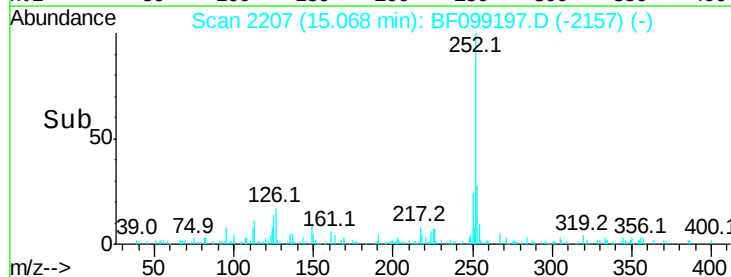
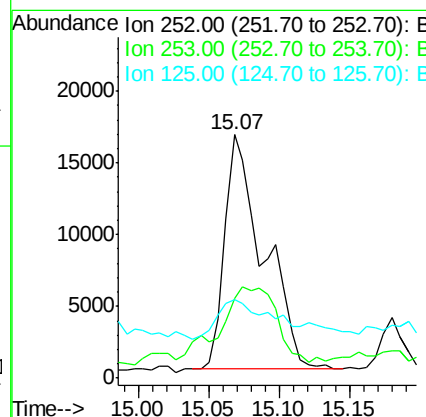
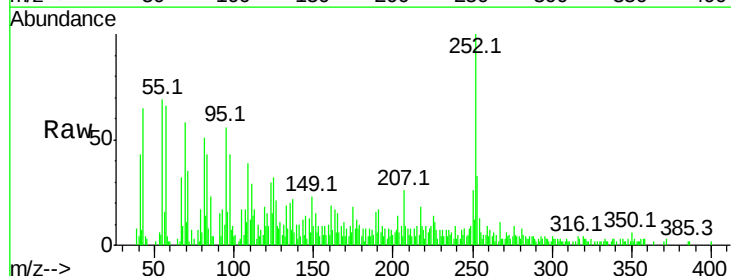
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3

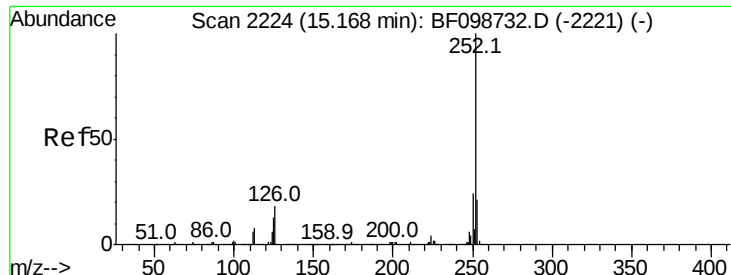


#87
Benzo(b)fluoranthene
Concen: 2.845 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099197.D
Acq: 7 Oct 2017 16:35

Tgt Ion:252 Resp: 31548

Ion	Ratio	Lower	Upper
252	100		
253	32.6	17.0	25.6#
125	32.4	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.881 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.04 min

Lab File: BF099197.D

Acq: 7 Oct 2017 16:35

Instrument :

BNA_F

ClientSampleId :

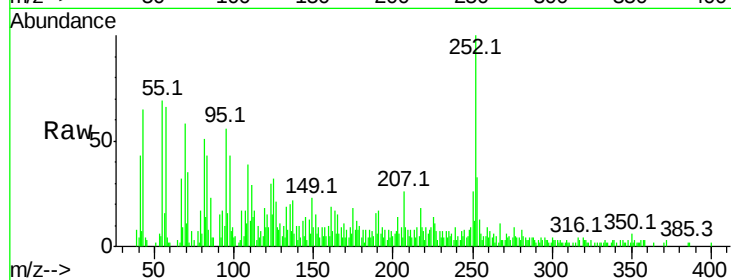
Tot Ion:252 Resp: 31548

Ion Ratio Lower Upper

252 100

253 32.6 17.9 26.9#

125 32.4 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

