

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099328.D
 Acq On : 11 Oct 2017 4:26
 Operator : SJ/JU
 Sample : I5766-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 11 05:00:11 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

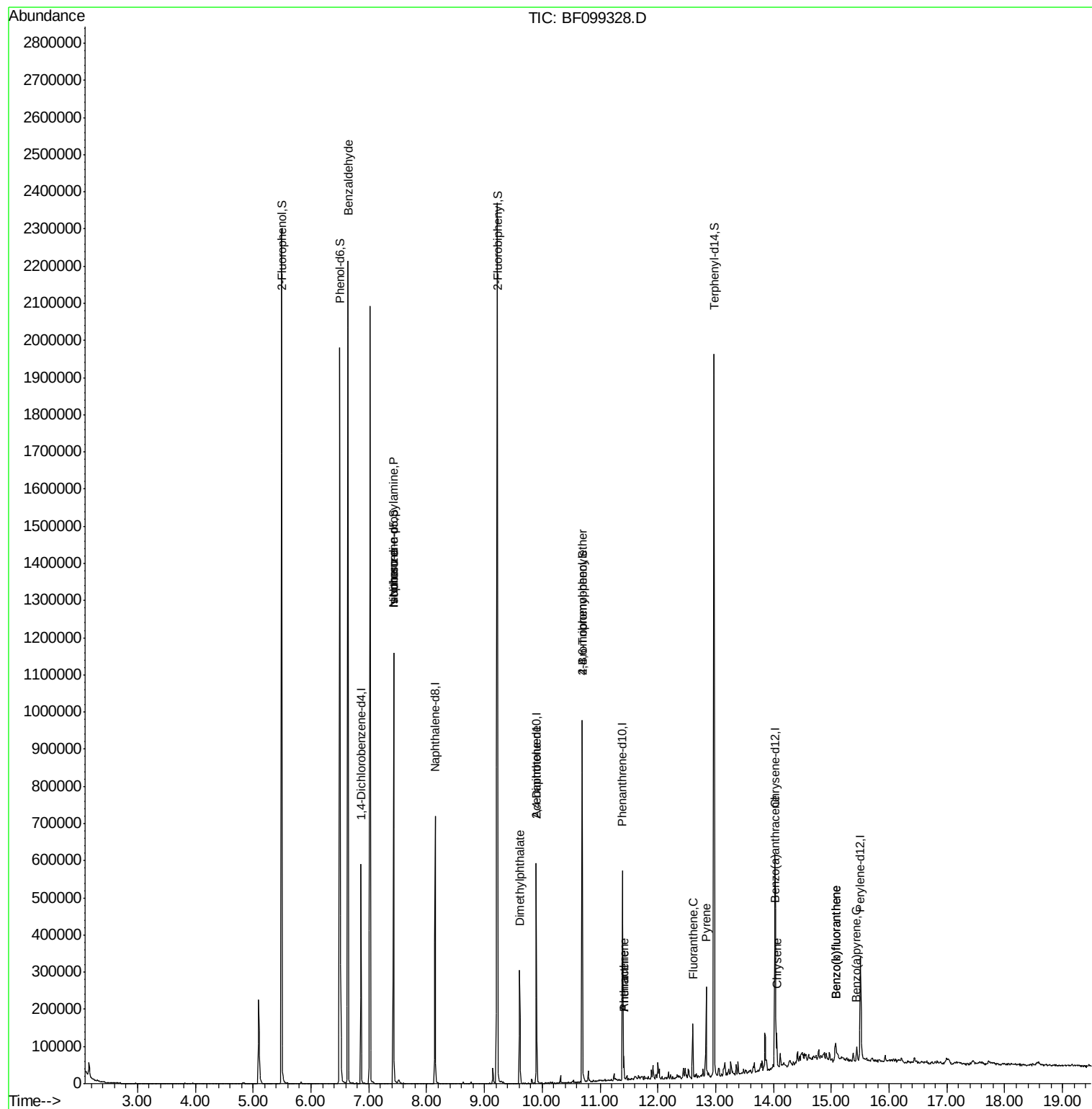
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	84030	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	307766	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	114037	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	190511	20.00	ng	0.00
75) Chrysene-d12	14.03	240	168489	20.00	ng	0.00
86) Perylene-d12	15.50	264	118756	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	684453	129.67	ng	0.01
7) Phenol-d6	6.50	99	799186	122.73	ng	0.00
23) Nitrobenzene-d5	7.43	82	377199	78.60	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	115154	123.41	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	783547	114.71	ng	0.00
78) Terphenyl-d14	12.97	244	655660	88.50	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.64	77	12568	3.33	ng	86
19) n-Nitroso-di-n-propylamine	7.43	70	47350	11.39	ng	# 74
25) Isophorone	7.43	82	377196	38.02	ng	# 64
49) Dimethylphthalate	9.61	163	120710	14.02	ng	100
56) 2,4-Dinitrotoluene	9.90	165	14645	6.02	ng	# 21
66) 4-Bromophenyl-phenylether	10.69	248	7960	4.27	ng	# 1
70) Phenanthrene	11.41	178	20870	2.05	ng	99
71) Anthracene	11.41	178	20870	2.00	ng	98
74) Fluoranthene	12.60	202	51296	4.97	ng	97
77) Pyrene	12.83	202	94560	7.36	ng	99
80) Benzo(a)anthracene	14.02	228	32377	3.17	ng	99
82) Chrysene	14.06	228	34005	3.50	ng	96
87) Benzo(b)fluoranthene	15.07	252	27593	3.78	ng	# 92
88) Benzo(k)fluoranthene	15.07	252	27593	3.83	ng	# 95
89) Benzo(a)pyrene	15.44	252	18085	2.70	ng	# 93

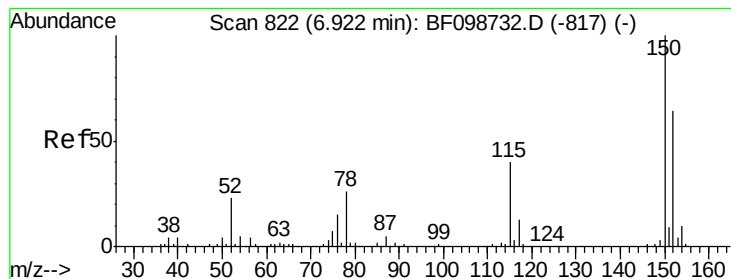
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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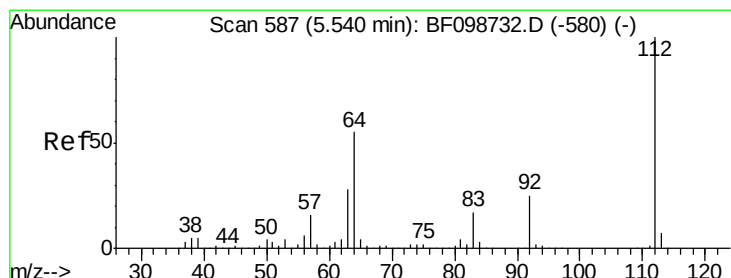
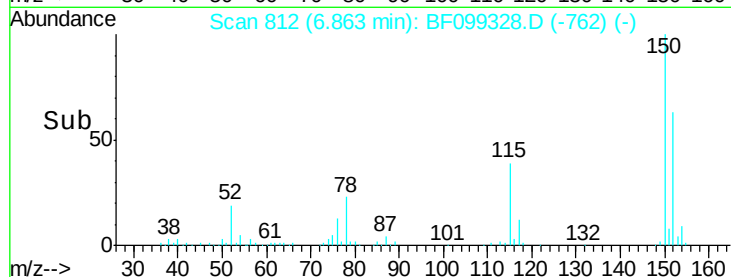
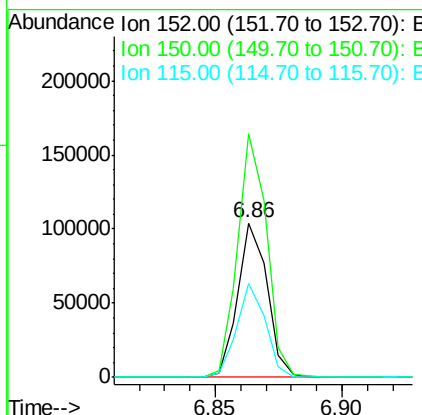
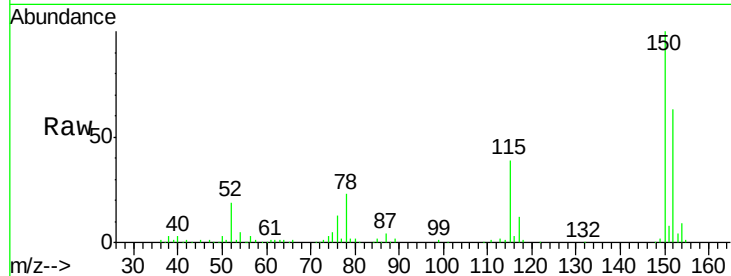


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Instrument :
BNA_F
ClientSampled :

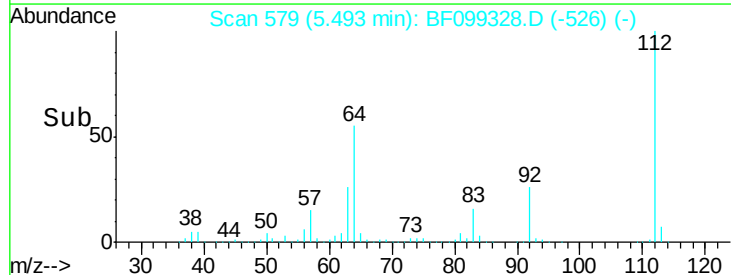
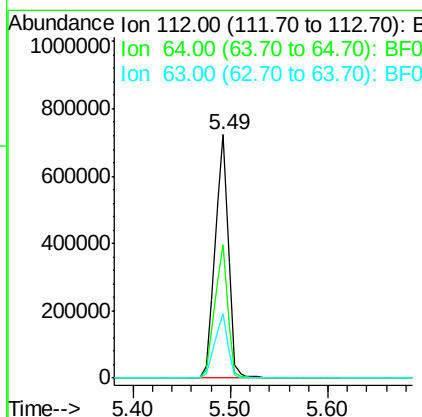
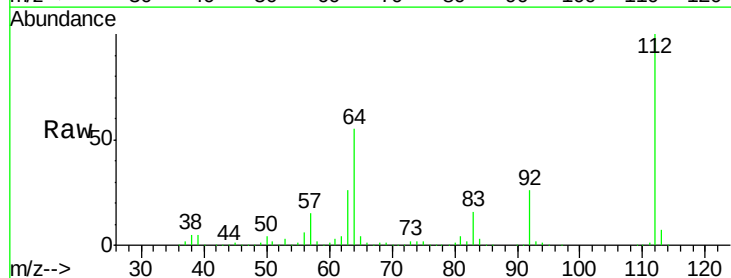
Tot Ion:152 Resp: 84030
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 60.8 50.1 75.1

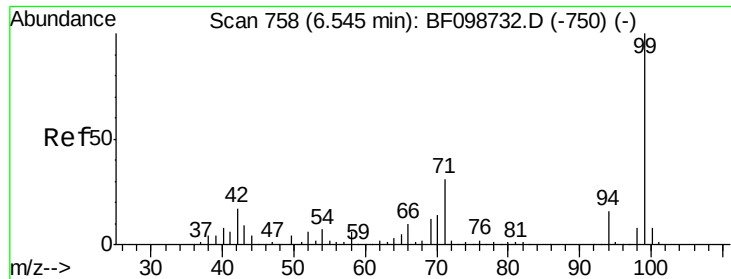


#5

2-Fluorophenol
Concen: 129.67 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Tgt Ion:112 Resp: 684453
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 26.4 23.7 35.5





#7

Phenol-d6

Concen: 122.73 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Instrument :

BNA_F

ClientSampled :

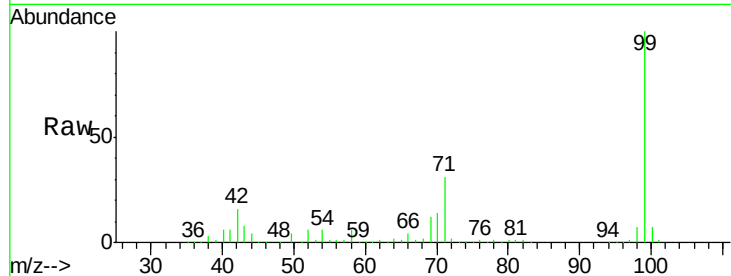
Tot Ion: 99 Resp: 799186

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

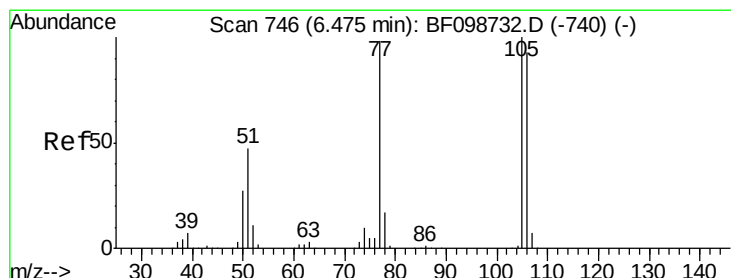
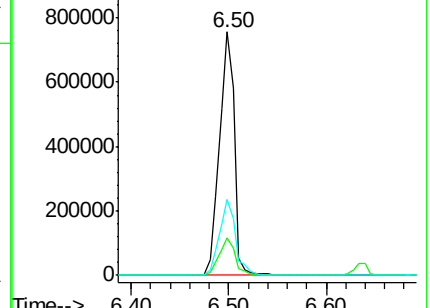
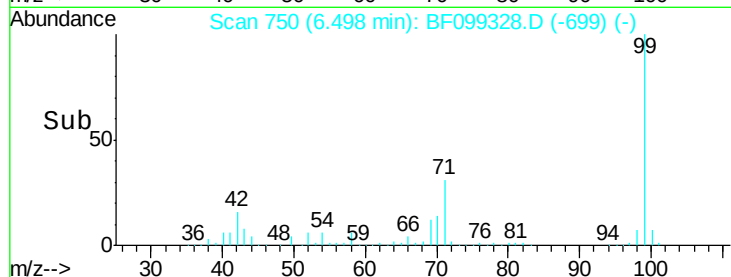
71 31.4 25.4 38.0



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: 3.33 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

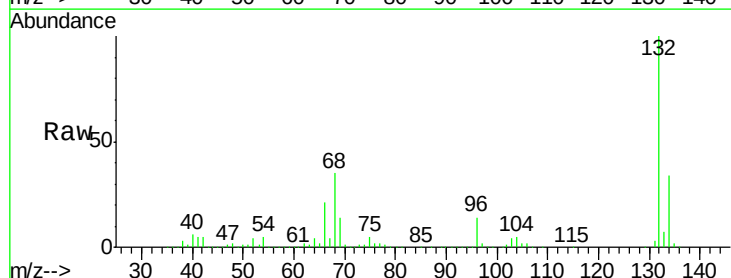
Tgt Ion: 77 Resp: 12568

Ion Ratio Lower Upper

77 100

105 85.8 81.1 121.1

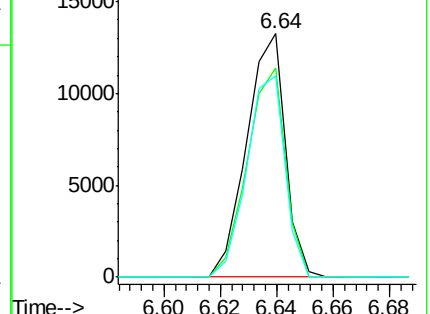
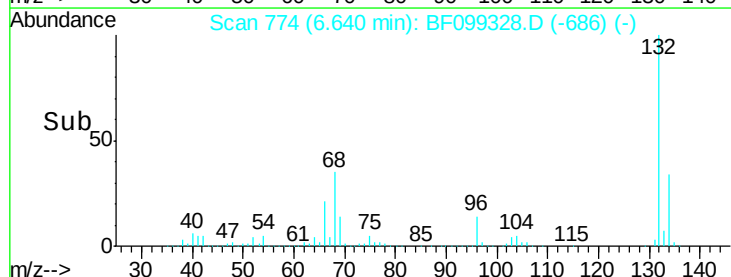
106 82.6 74.5 114.5

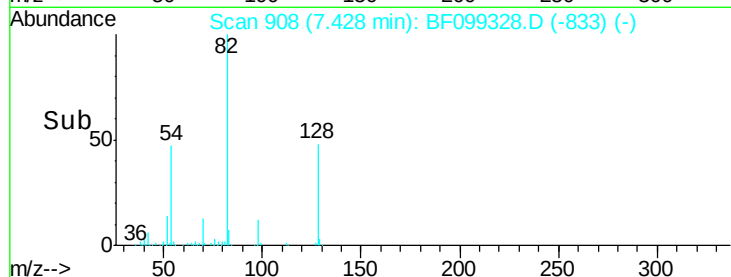
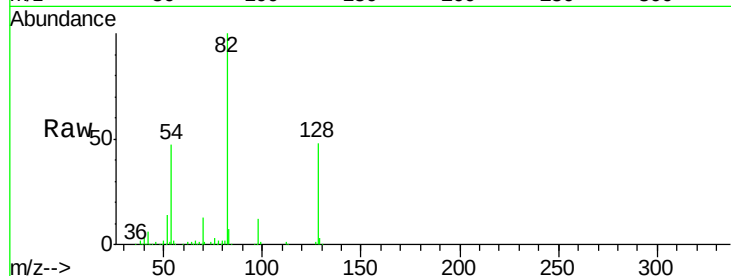
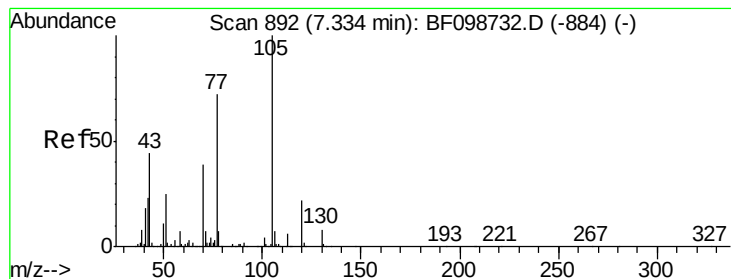


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 11.39 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099328.D

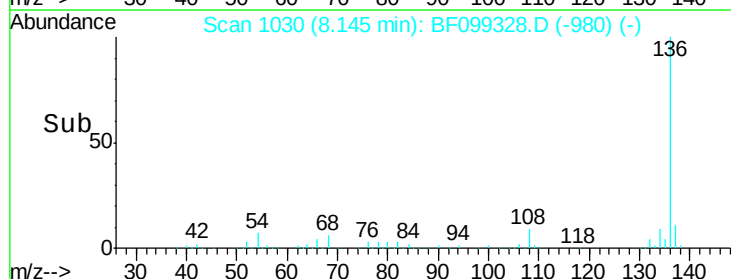
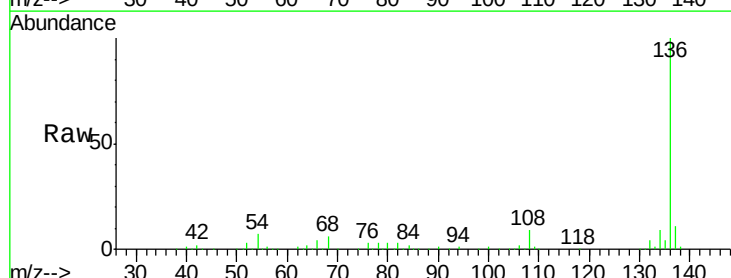
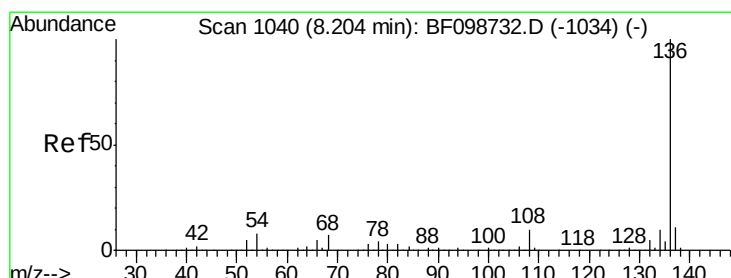
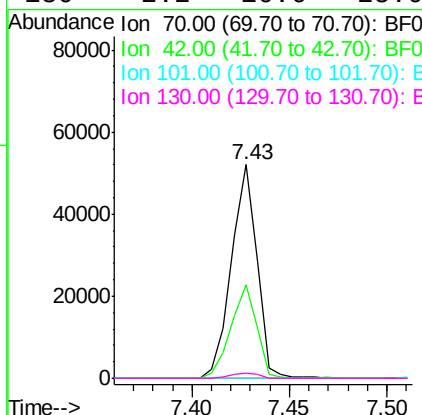
Acq: 11 Oct 2017 4:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	47350
Ion	Ratio	Lower	Upper
70	100		
42	43.9	47.5	71.3#
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

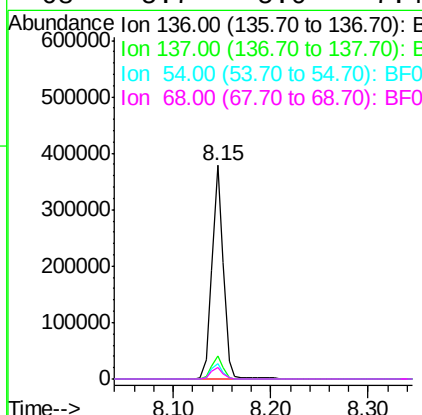
RT: 8.15 min Scan# 1030

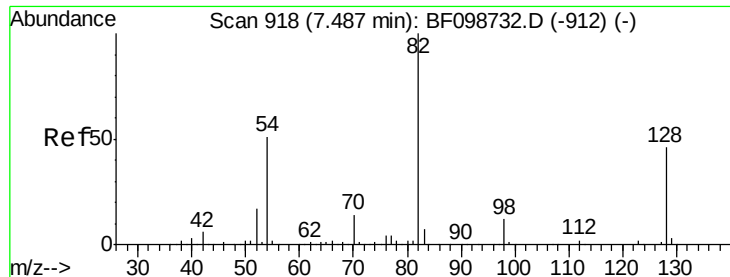
Delta R.T. -0.01 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Tgt Ion:	136	Resp:	307766
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.1	6.6	9.8
68	5.7	5.0	7.4

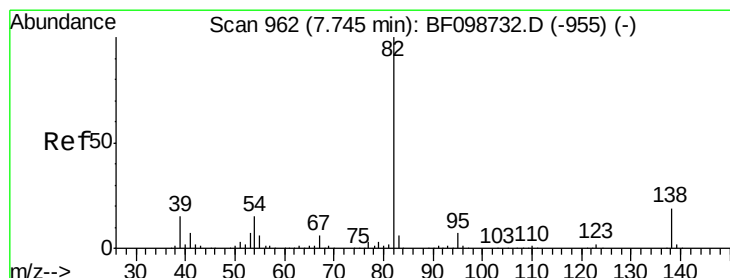
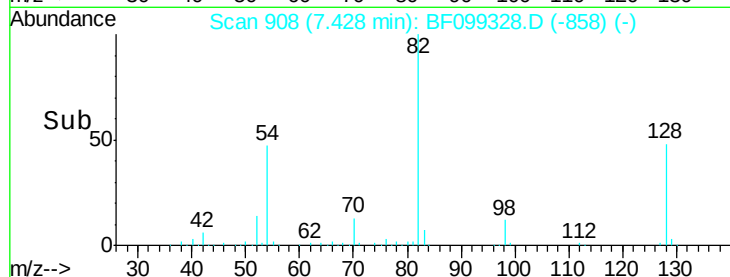
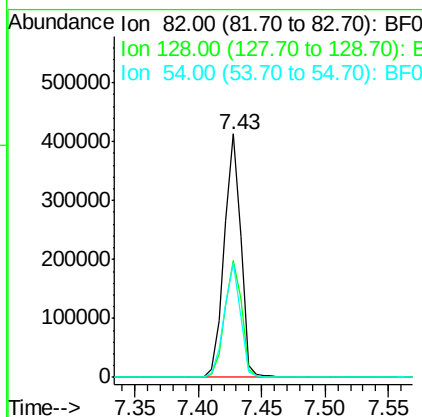
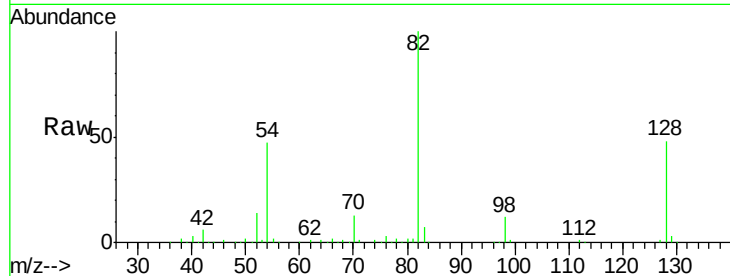




#23
 Nitrobenzene-d5
 Concen: 78.60 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

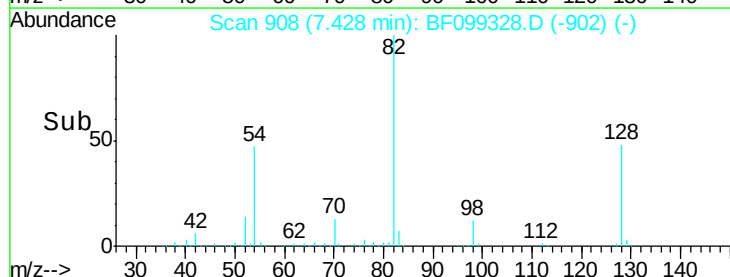
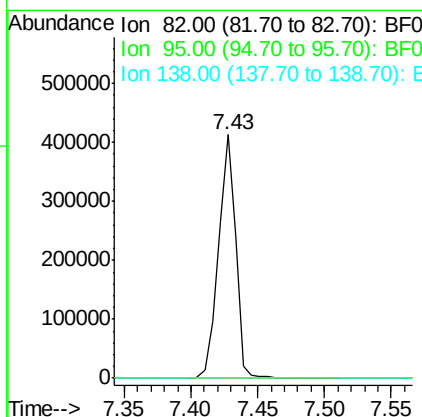
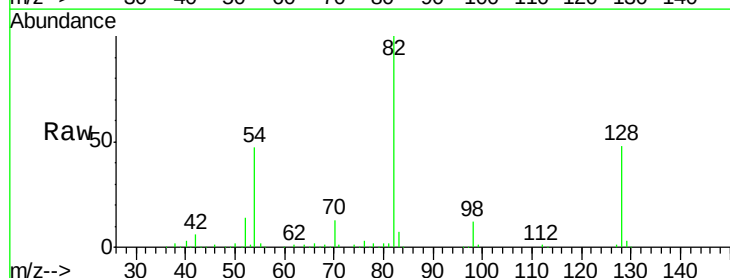
Instrument :
 BNA_F
 ClientSampled :

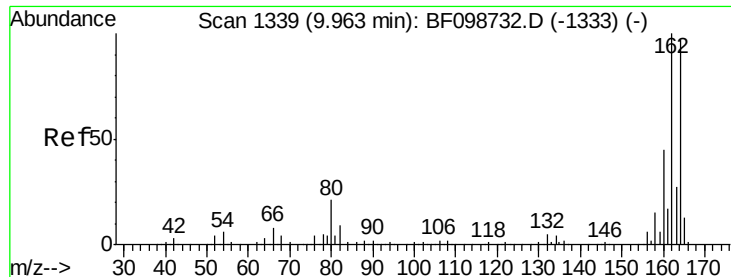
Tot Ion	82	Resp	377199
Ion Ratio	Lower	Upper	
82	100		
128	48.0	36.1	54.1
54	46.8	41.4	62.2



#25
 Isophorone
 Concen: 38.02 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

Tgt Ion	82	Resp	377196
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

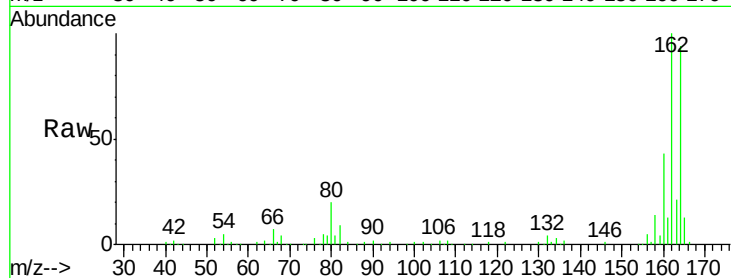




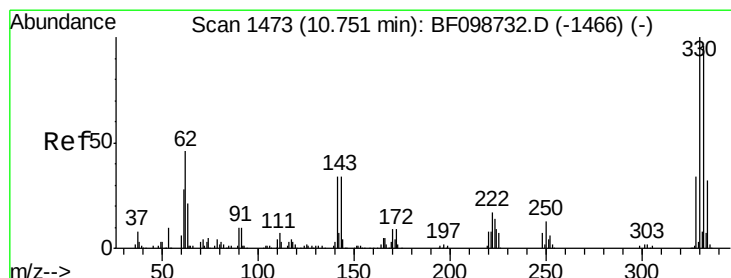
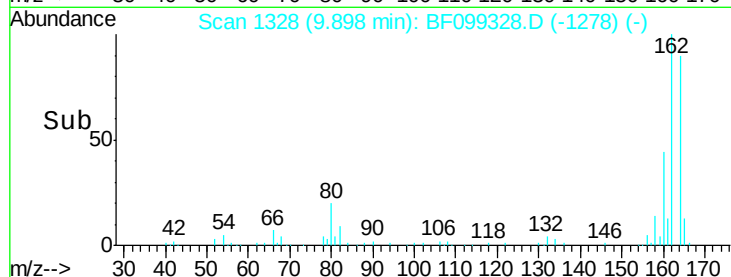
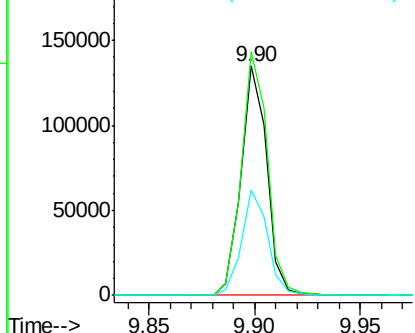
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 114037
 Ion Ratio Lower Upper
 164 100
 162 106.2 86.1 129.1
 160 46.2 38.3 57.5

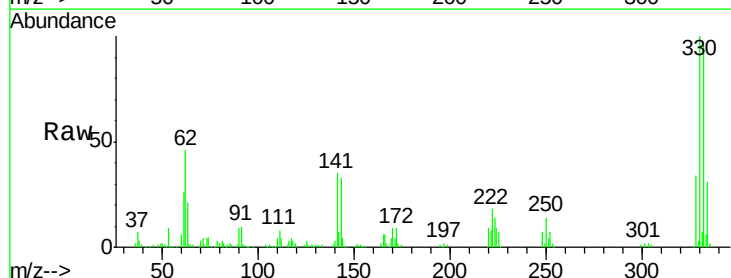


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

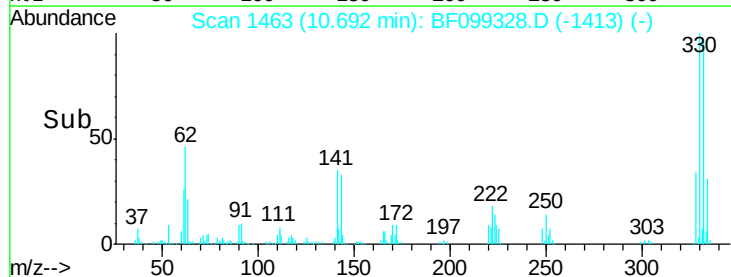
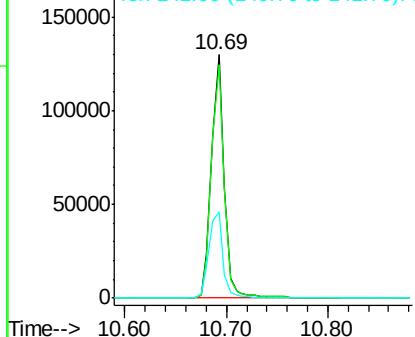


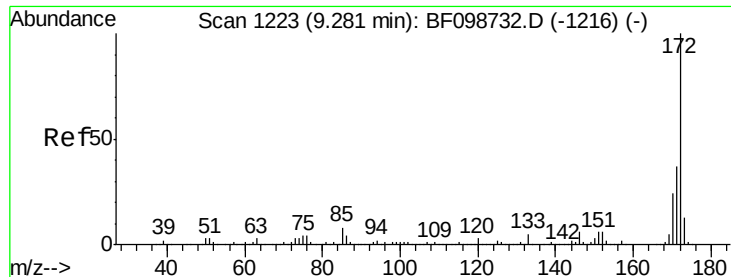
#41
 2,4,6-Tribromophenol
 Concen: 123.41 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

Tgt Ion:330 Resp: 115154
 Ion Ratio Lower Upper
 330 100
 332 96.9 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

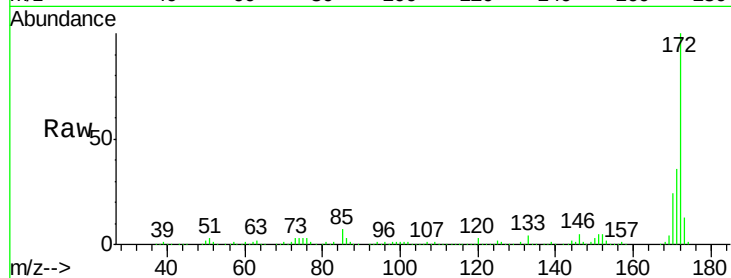




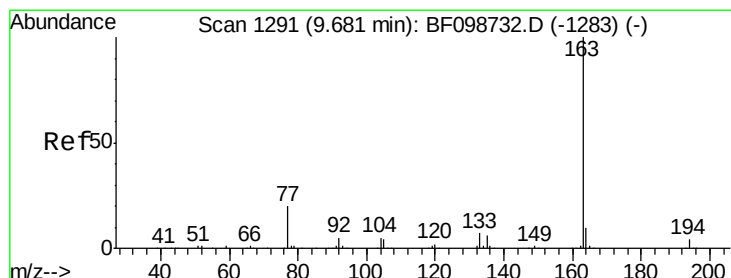
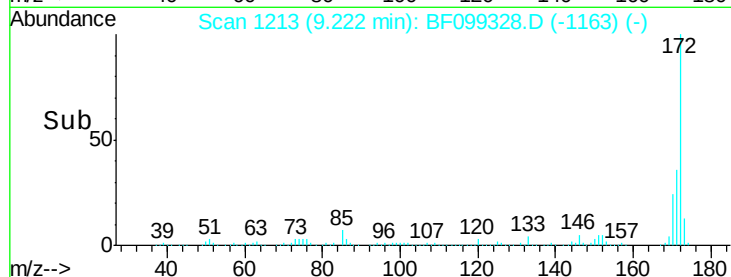
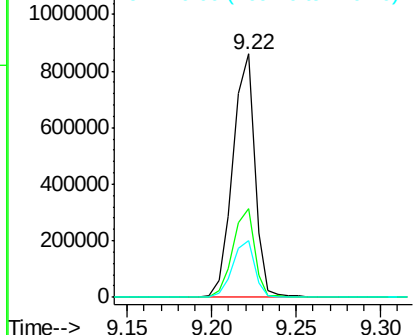
#44
2-Fluorobiphenyl
Concen: 114.71 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.5	19.6	29.4

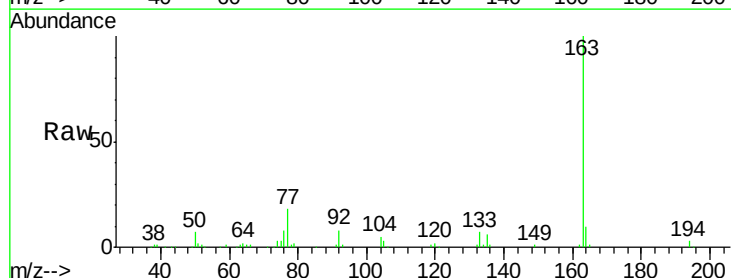


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

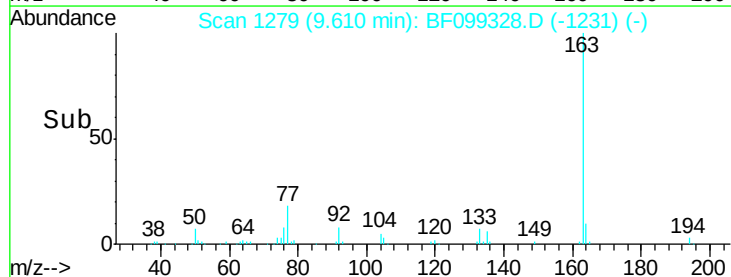
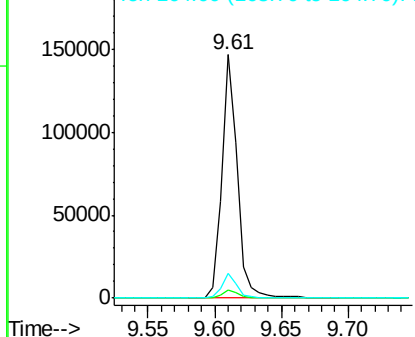


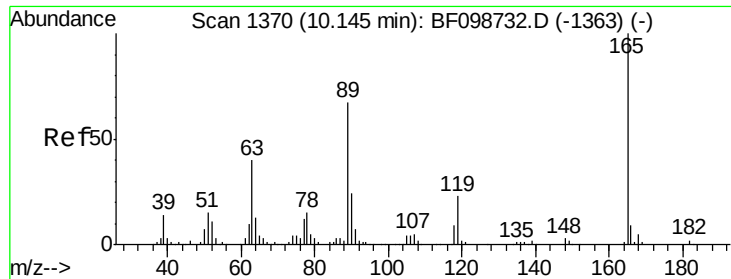
#49
Dimethylphthalate
Concen: 14.02 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.1	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

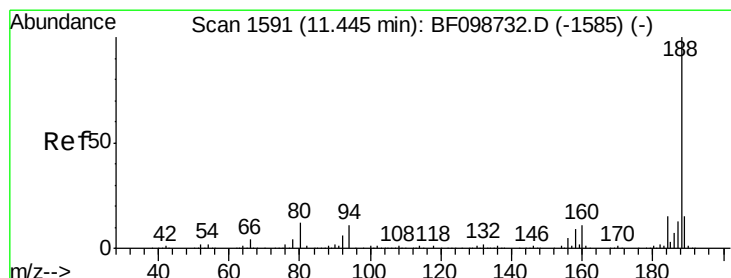
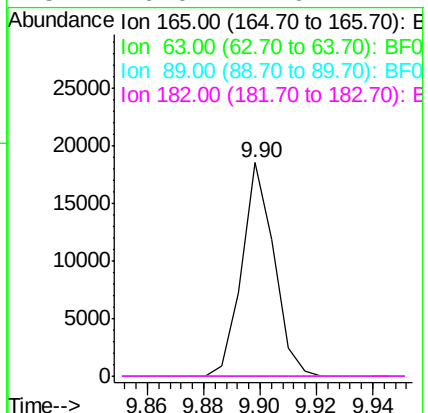
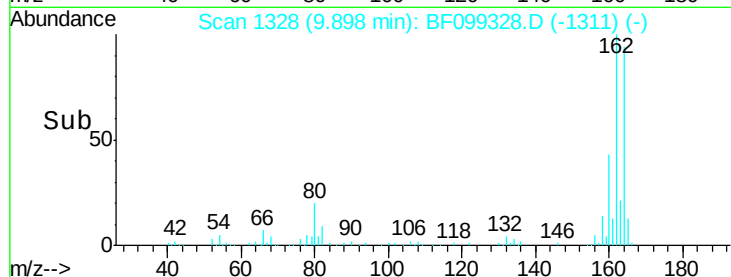
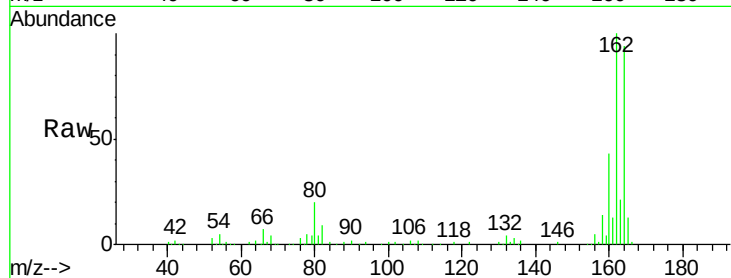




#56
 2,4-Dinitrotoluene
 Concen: 6.02 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

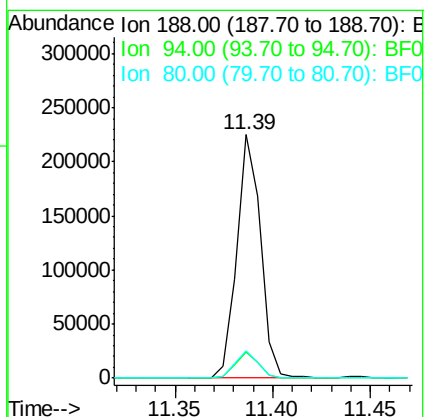
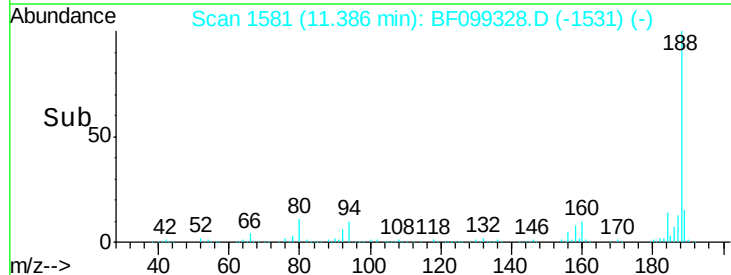
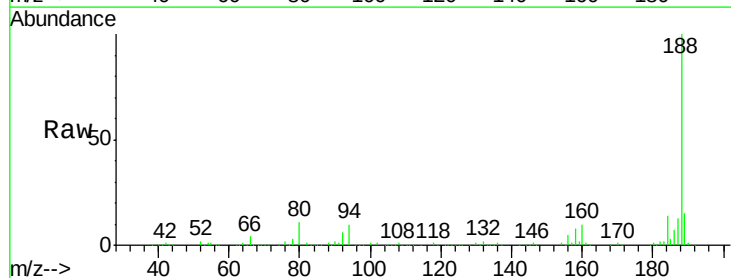
Instrument :
 BNA_F
 ClientSampleId :

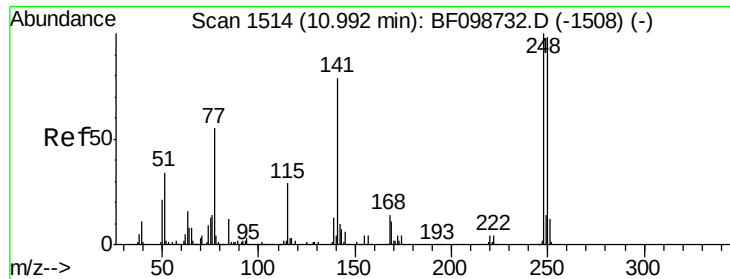
Tot Ion:	165	Resp:	14645
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

Tgt Ion:	188	Resp:	190511
Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.4	9.2	13.8

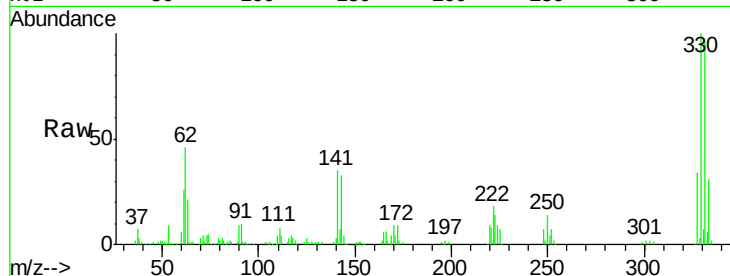




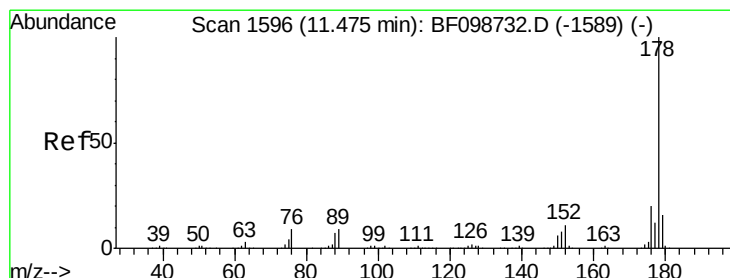
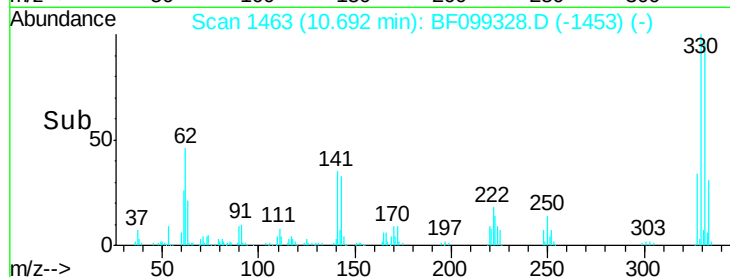
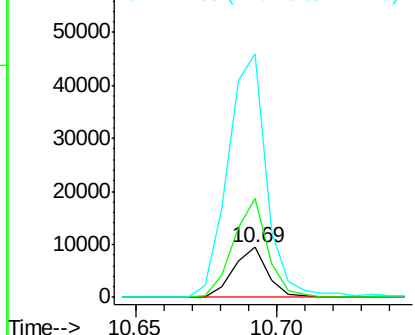
#66
 4-Bromophenyl-phenylether
 Concen: 4.27 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7960
 Ion Ratio Lower Upper
 248 100
 250 197.9 76.9 115.3#
 141 488.6 74.4 111.6#

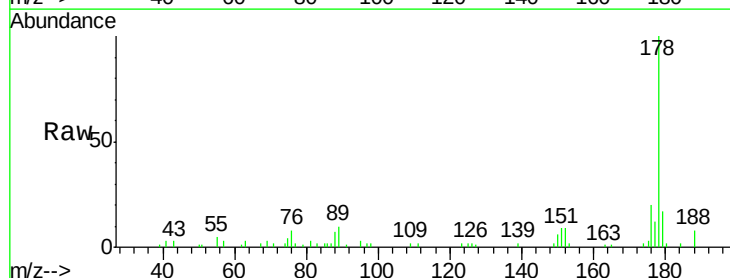


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

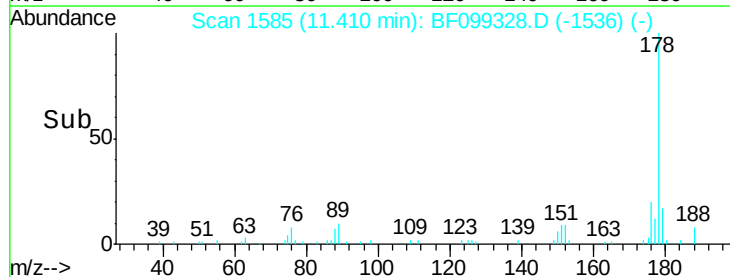
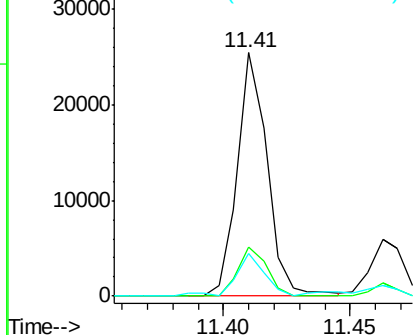


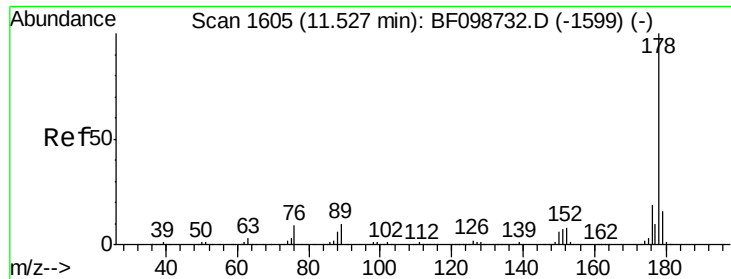
#70
 Phenanthrene
 Concen: 2.05 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

Tgt Ion:178 Resp: 20870
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.8
 179 17.3 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

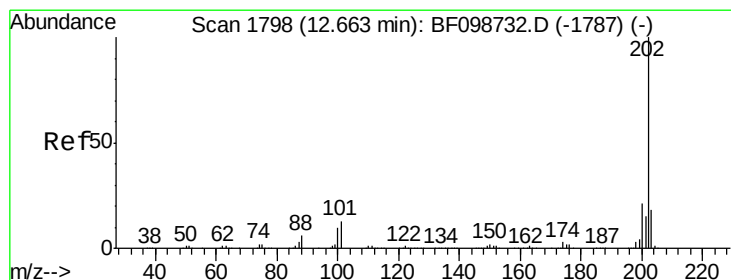
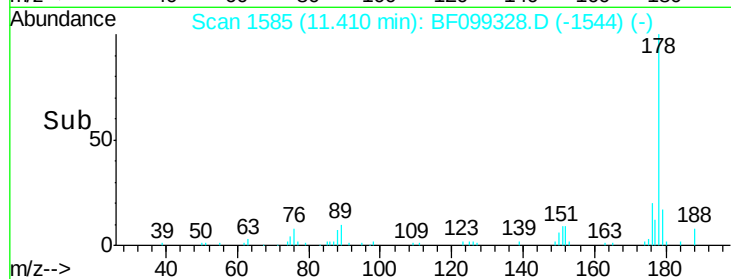
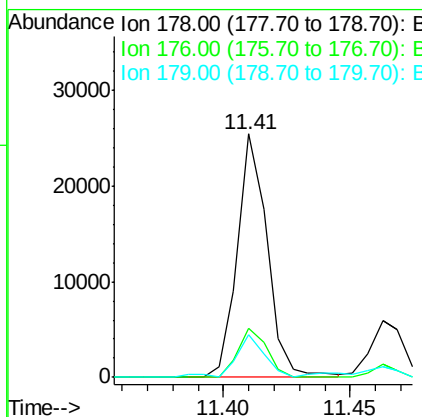
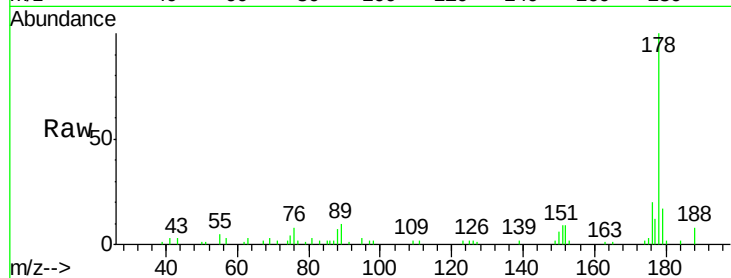




#71
 Anthracene
 Concen: 2.00 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.06 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

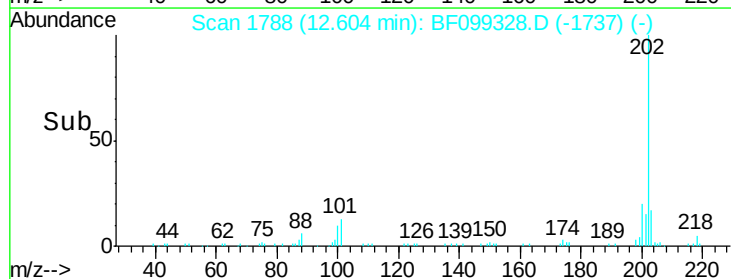
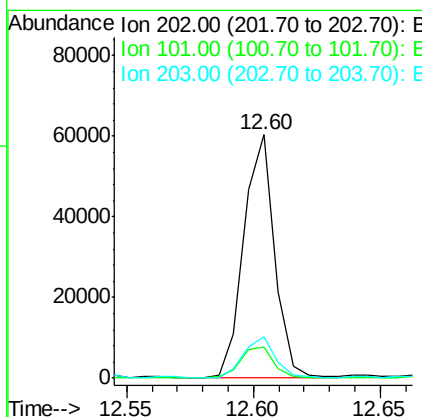
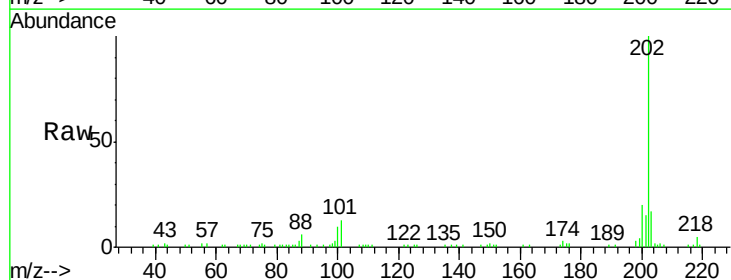
Instrument :
 BNA_F
 ClientSampleId :

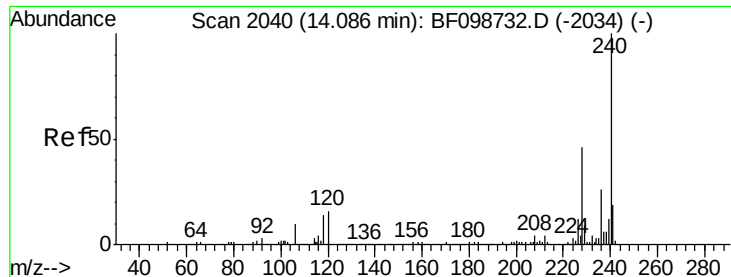
Tot Ion:178 Resp: 20870
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.4 23.2
 179 17.3 12.6 19.0



#74
 Fluoranthene
 Concen: 4.97 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

Tgt Ion:202 Resp: 51296
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 34.1
 203 16.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Instrument :

BNA_F

ClientSampled :

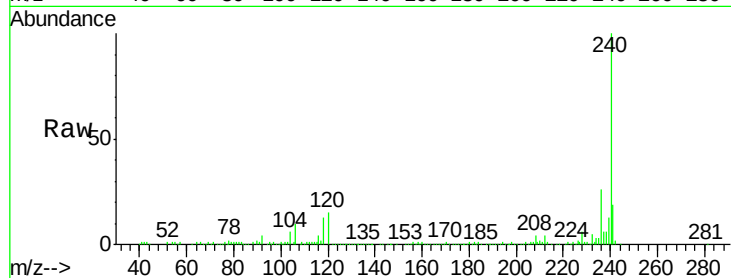
Tot Ion:240 Resp: 168489

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

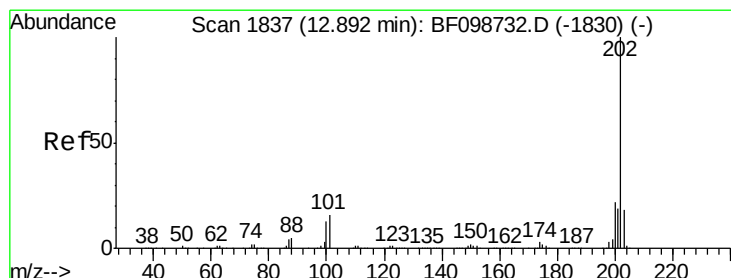
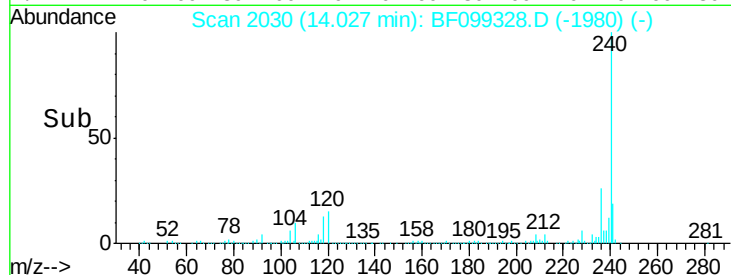
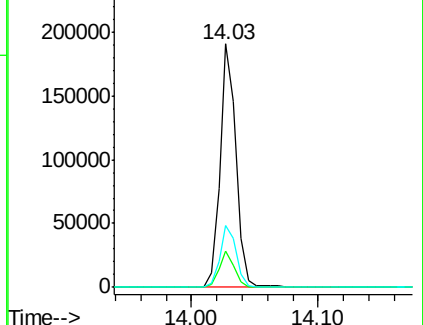
236 25.6 20.7 31.1



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: 7.36 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

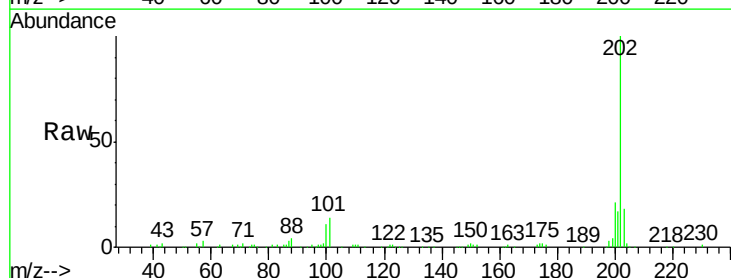
Tgt Ion:202 Resp: 94560

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

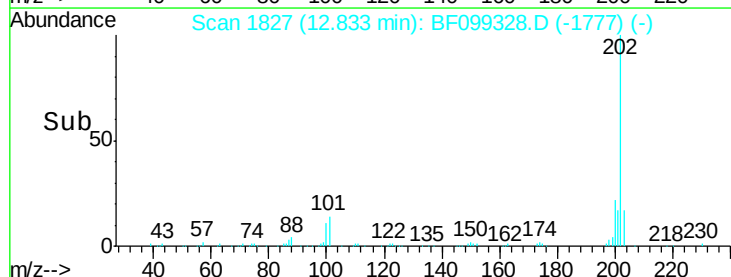
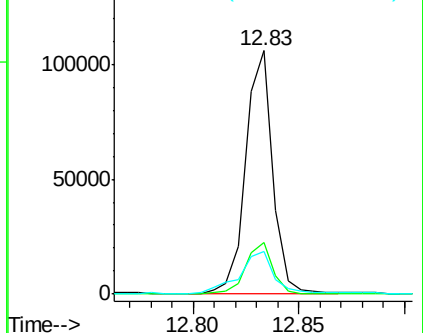
203 17.5 14.3 21.5

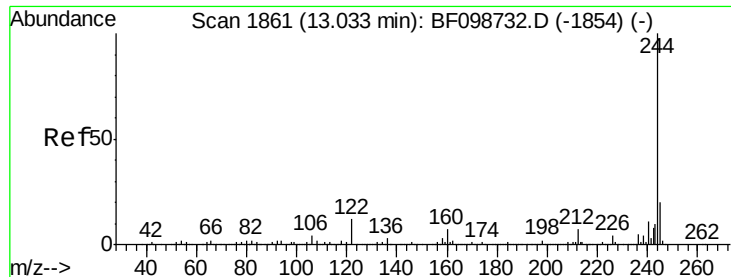


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 88.50 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Instrument :

BNA_F

ClientSampleId :

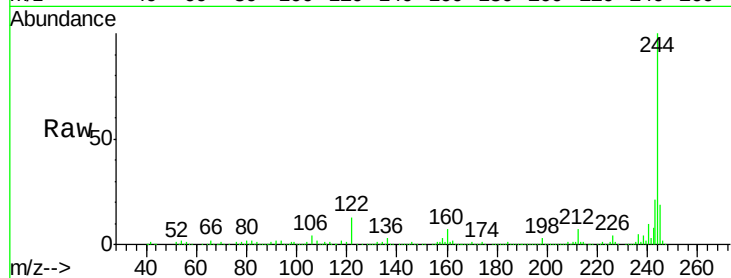
Tot Ion:244 Resp: 655660

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

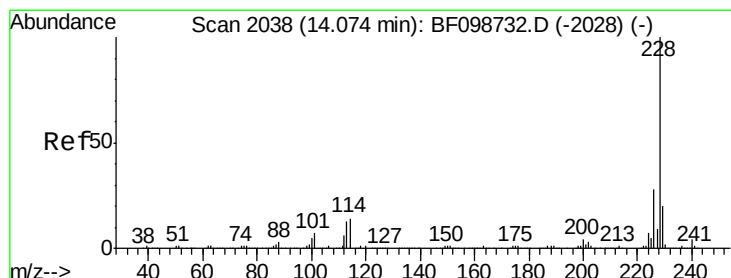
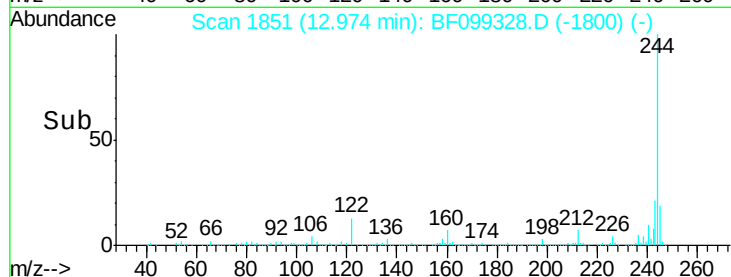
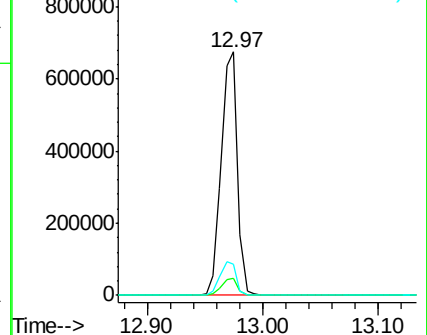
122 12.7 11.0 16.4



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: 3.17 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

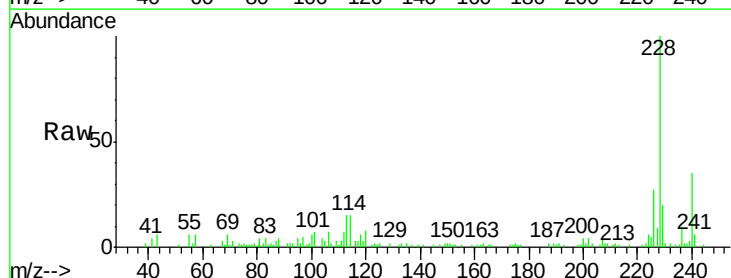
Tgt Ion:228 Resp: 32377

Ion Ratio Lower Upper

228 100

226 27.2 22.6 33.8

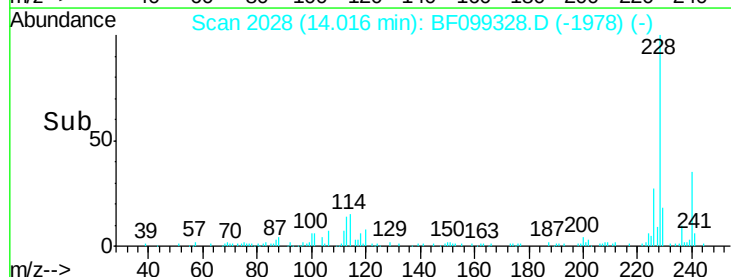
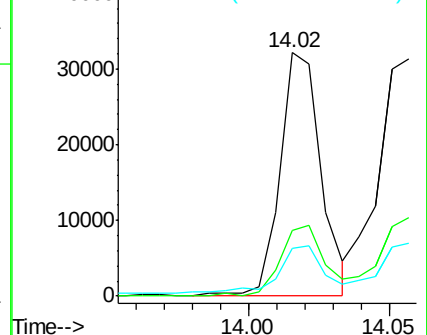
229 19.8 15.8 23.6

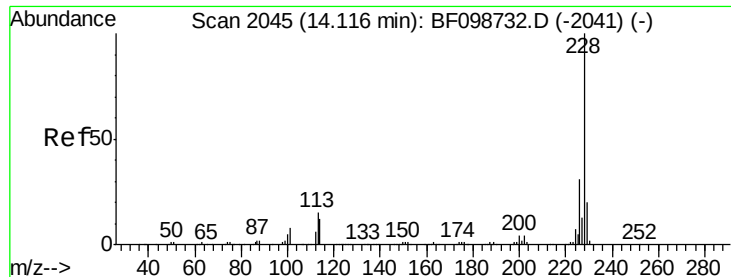


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.50 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Instrument :

BNA_F

ClientSampleId :

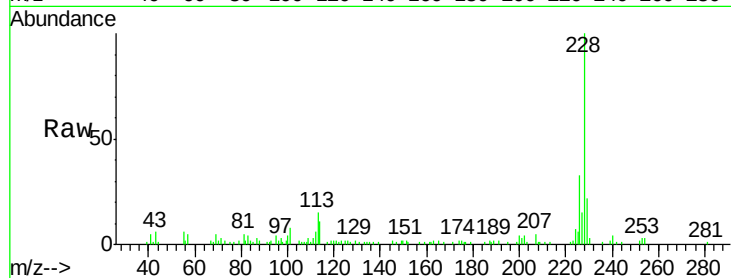
Tot Ion:228 Resp: 34005

Ion Ratio Lower Upper

228 100

226 33.2 25.0 37.6

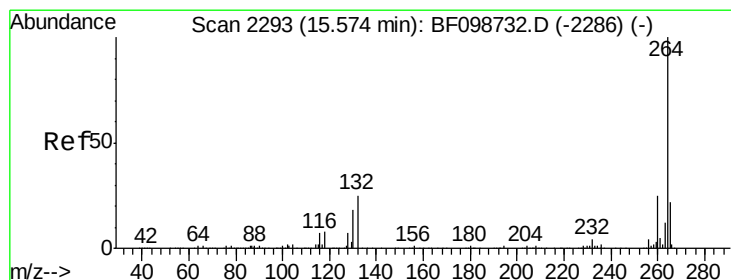
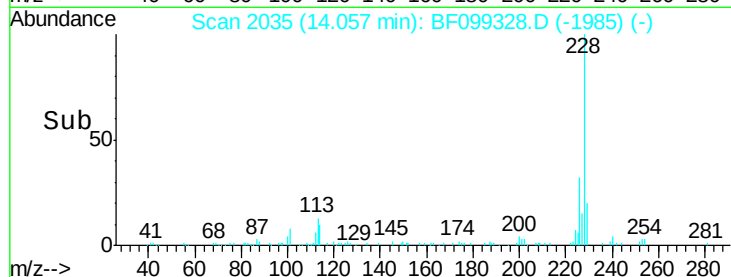
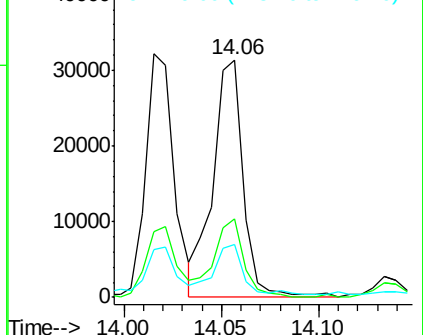
229 22.3 16.2 24.4



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: 20.00 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

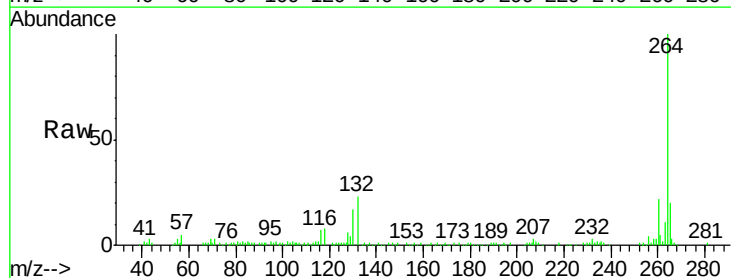
Tgt Ion:264 Resp: 118756

Ion Ratio Lower Upper

264 100

260 22.0 19.2 28.8

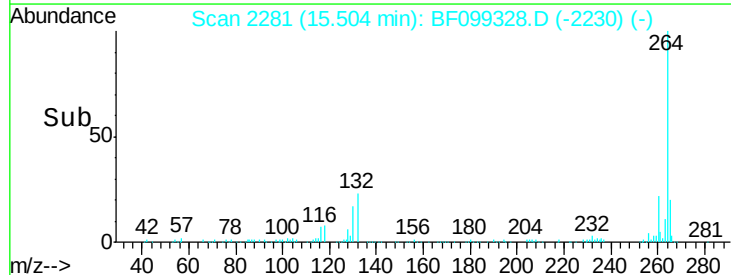
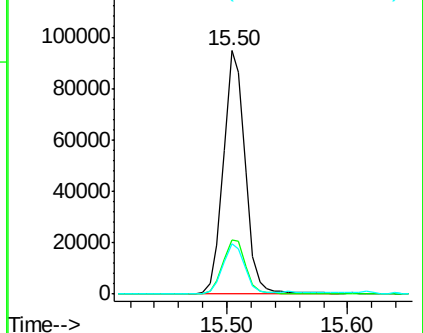
265 20.4 17.5 26.3

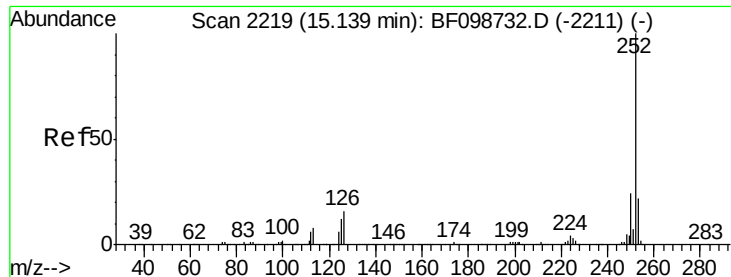


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

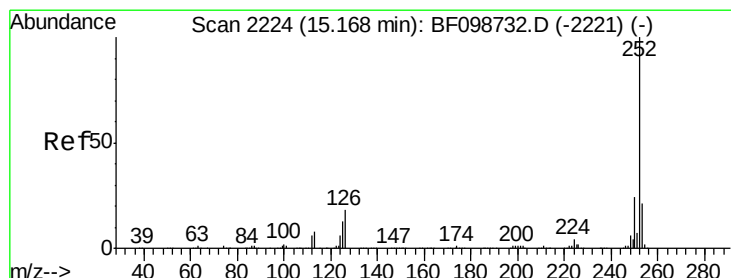
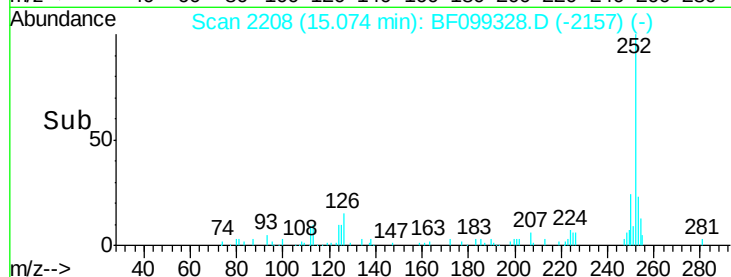
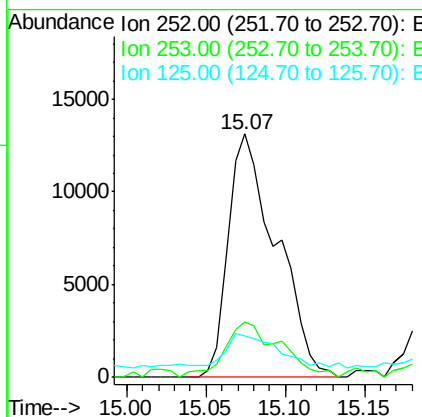
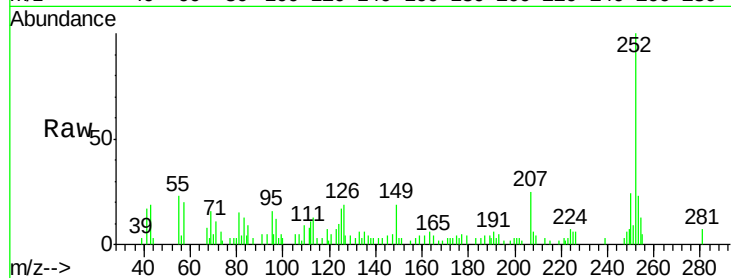




#87
Benzo(b)fluoranthene
Concen: 3.78 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

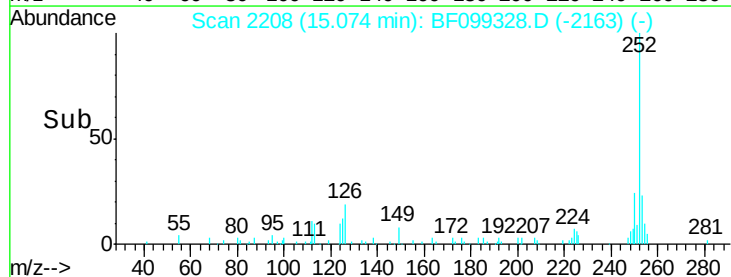
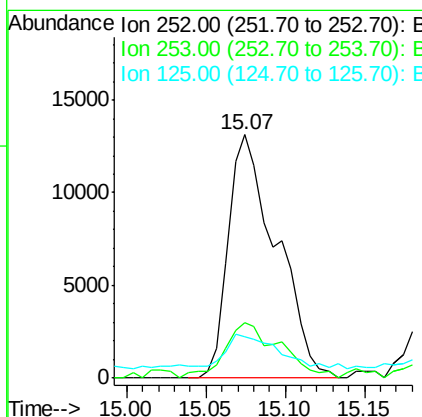
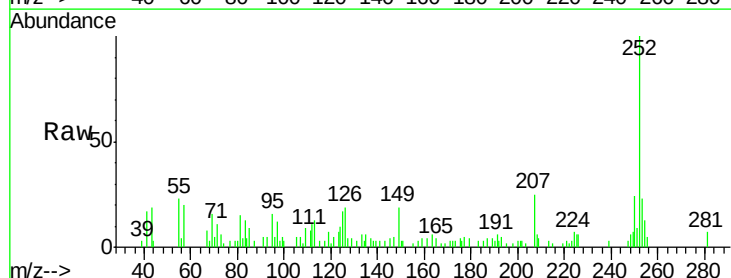
Instrument :
BNA_F
ClientSampleId :

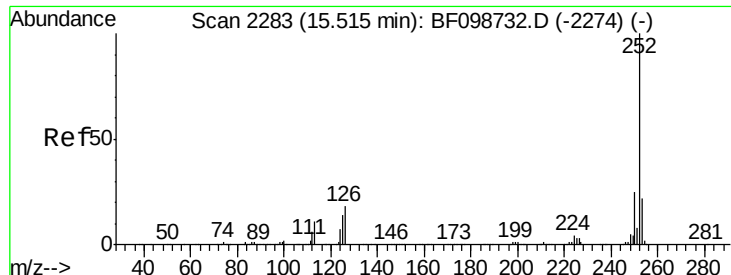
Tot Ion:252 Resp: 27593
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 17.0 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.83 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Tgt Ion:252 Resp: 27593
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 17.0 10.2 15.2#





#89
 Benzo(a)pyrene
 Concen: 2.70 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	15.8	9.8	14.6

