

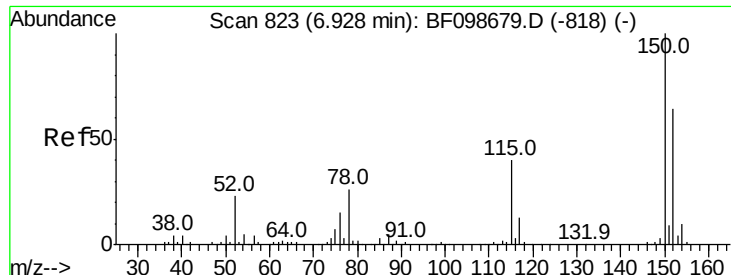
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098693.D
 Acq On : 22 Sep 2017 12:06
 Operator : SJ/JU
 Sample : I5312-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-091917

Quant Time: Sep 22 13:09:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 11:54:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	152540	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	621673	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	261854	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	399160	20.00	ng	0.00
75) Chrysene-d12	14.09	240	338044	20.00	ng	0.00
86) Perylene-d12	15.58	264	343599	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	210676	20.97	ng	0.00
7) Phenol-d6	6.53	99	269599	22.16	ng	-0.01
23) Nitrobenzene-d5	7.48	82	141420	15.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	41024	17.13	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	277154	16.84	ng	0.00
78) Terphenyl-d14	13.03	244	203868	12.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.48	70	18694	2.481	ng	# 81
25) Isophorone	7.48	82	140771	7.043	ng	# 64
50) 2,6-Dinitrotoluene	9.96	165	33023	8.522	ng	# 25
56) 2,4-Dinitrotoluene	9.96	165	33023	6.344	ng	# 23
74) Fluoranthene	12.66	202	48644	2.254	ng	97
77) Pyrene	12.89	202	51096	2.036	ng	96
87) Benzo(b)fluoranthene	15.14	252	74057	3.716	ng	# 85
88) Benzo(k)fluoranthene	15.14	252	74057	3.719	ng	# 88
89) Benzo(a)pyrene	15.52	252	37657	2.081	ng	# 84

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

Instrument :

BNA_F

ClientSampleId :

OR-01-091917

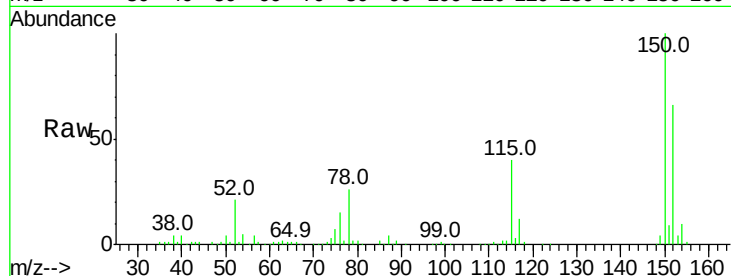
Tot Ion:152 Resp: 152540

Ion Ratio Lower Upper

152 100

150 151.7 124.6 186.8

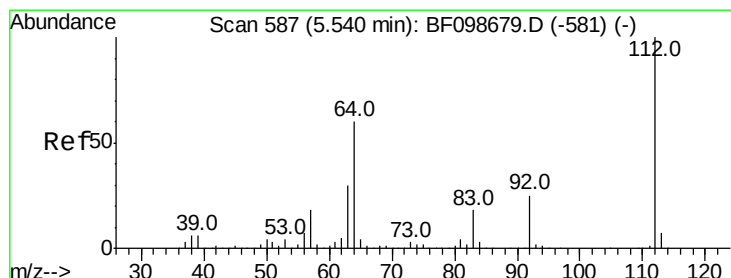
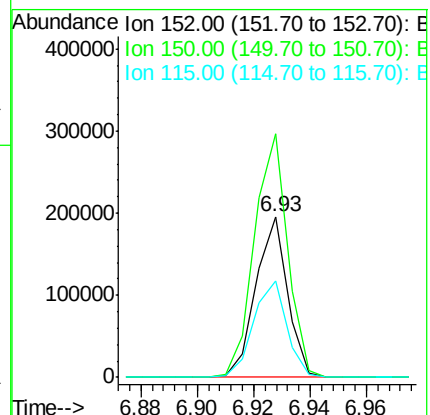
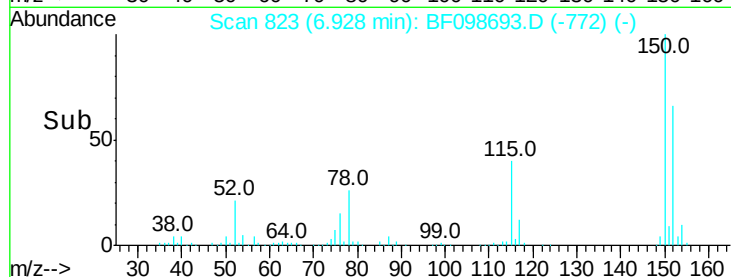
115 60.0 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 20.973 ng

RT: 5.53 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

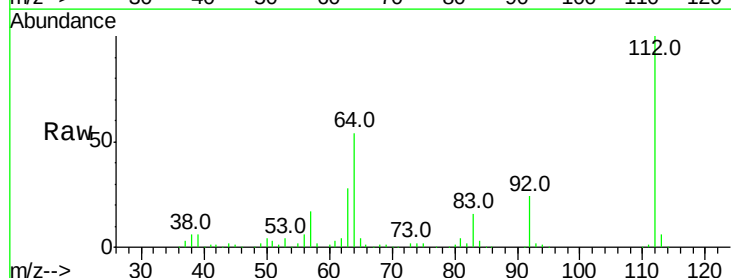
Tgt Ion:112 Resp: 210676

Ion Ratio Lower Upper

112 100

64 54.2 47.9 71.9

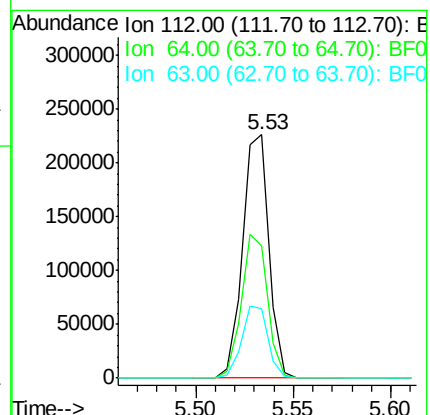
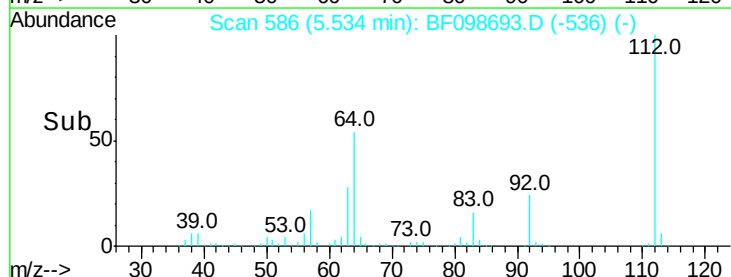
63 28.4 23.7 35.5

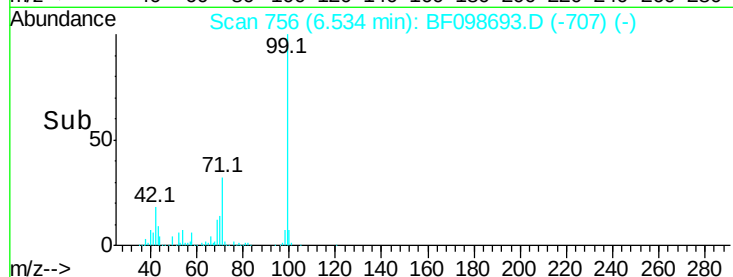
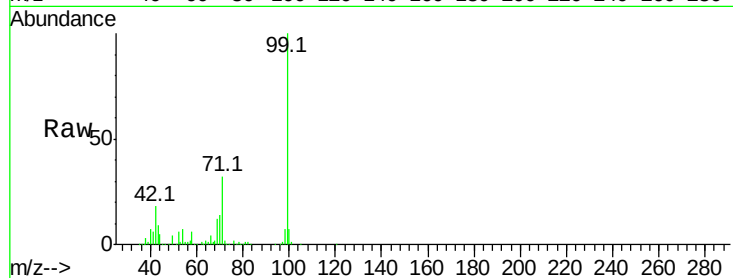
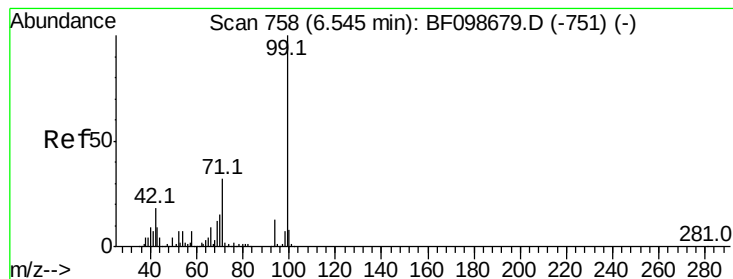


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.163 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

Instrument :

BNA_F

ClientSampleId :

OR-01-091917

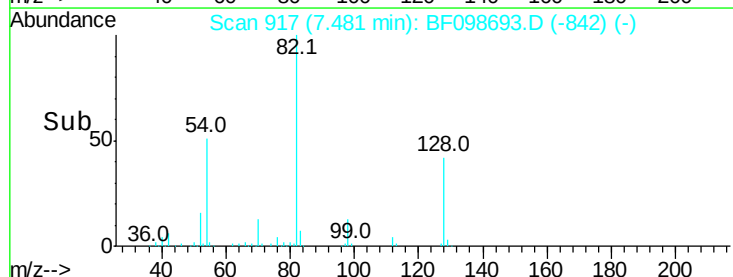
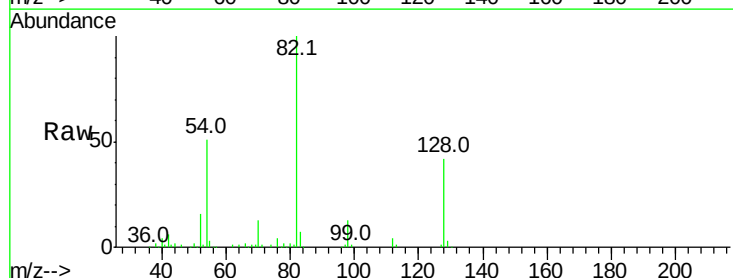
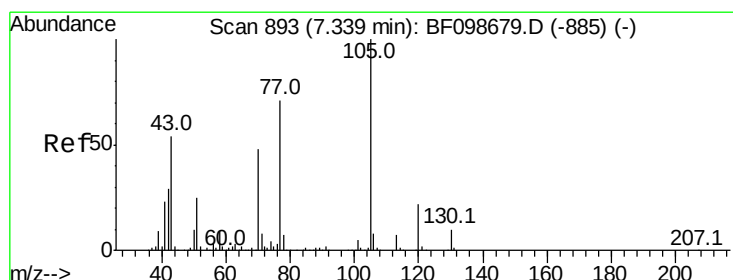
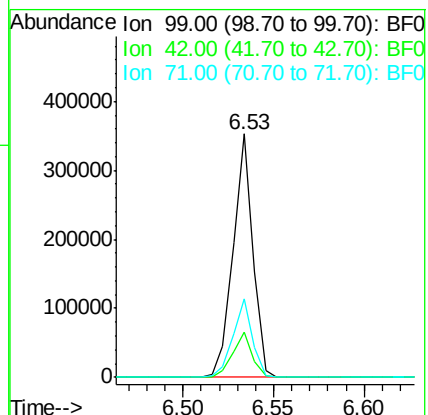
Tot Ion: 99 Resp: 269599

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.481 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.14 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

Tgt Ion: 70 Resp: 18694

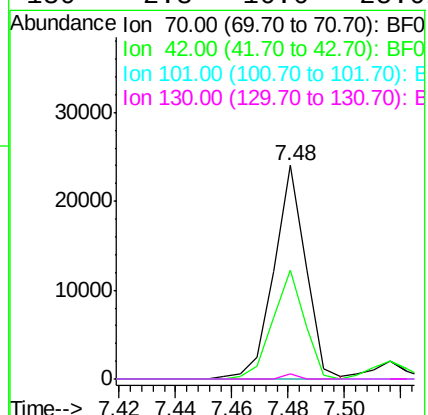
Ion Ratio Lower Upper

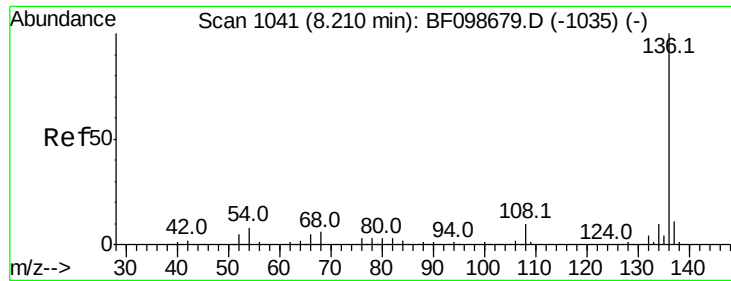
70 100

42 51.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

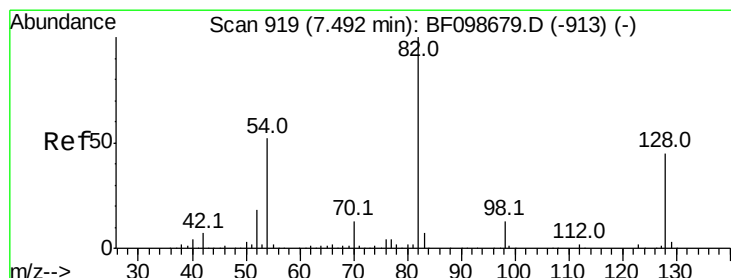
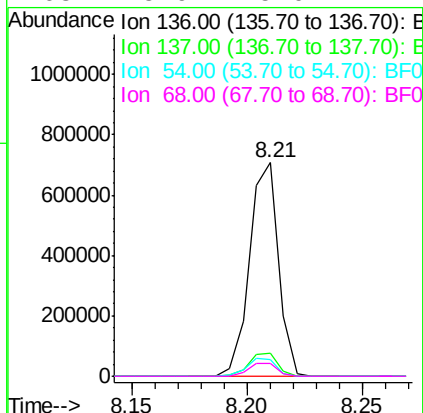
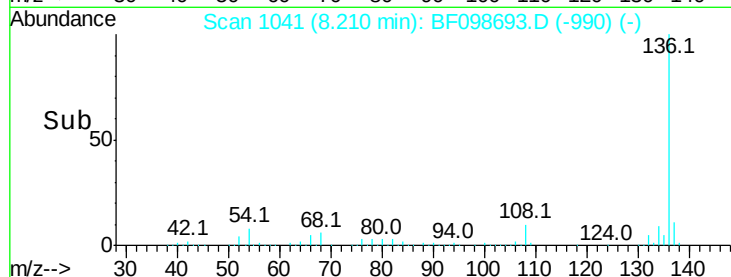
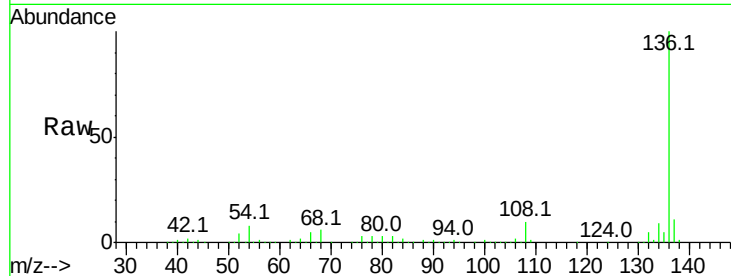




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF098693.D
Acq: 22 Sep 2017 12:06

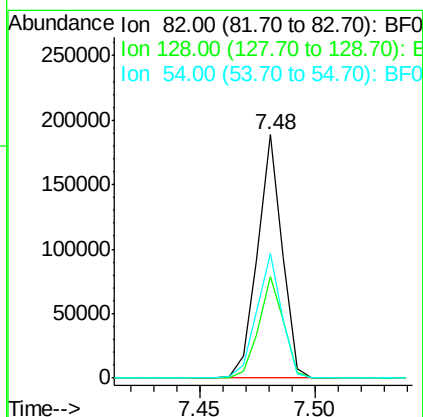
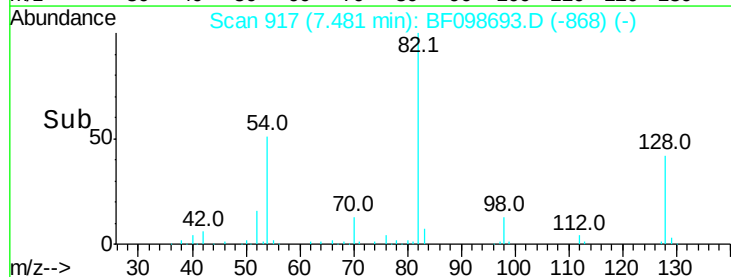
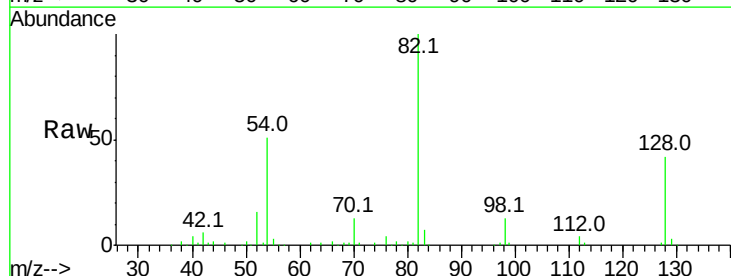
Instrument :
BNA_F
ClientSampleId :
OR-01-091917

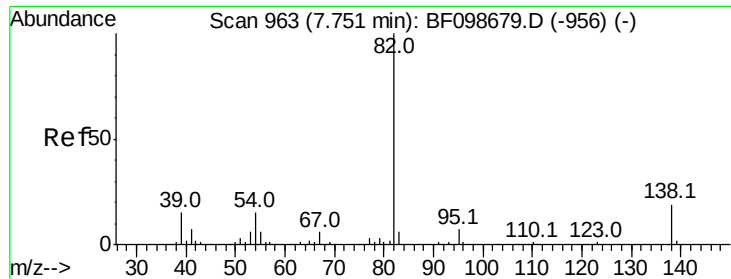
Tot Ion:	136	Resp:	621673
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.5	6.6	9.8
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 15.430 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098693.D
Acq: 22 Sep 2017 12:06

Tgt Ion:	82	Resp:	141420
Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	50.9	41.4	62.2





#25

Isophorone

Concen: 7.043 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.27 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

Instrument :

BNA_F

ClientSampleId :

OR-01-091917

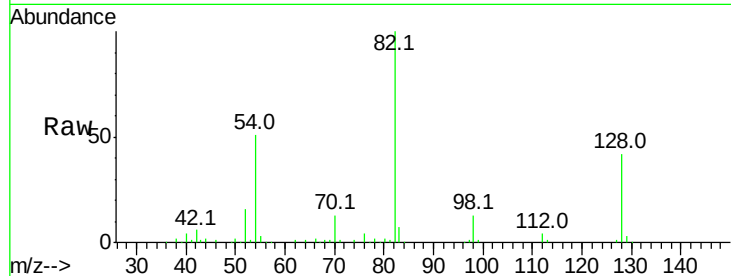
Tot Ion: 82 Resp: 140771

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

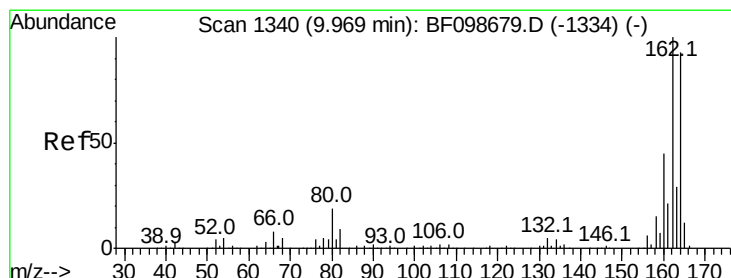
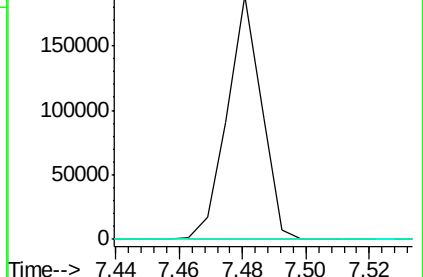
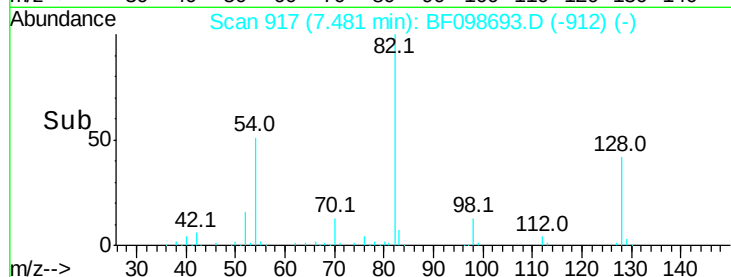
138 0.0 14.9 22.3#



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): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

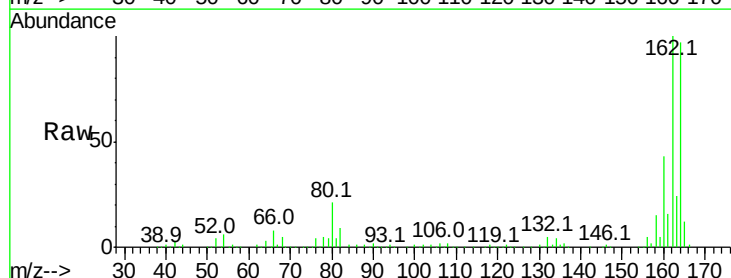
Tgt Ion:164 Resp: 261854

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

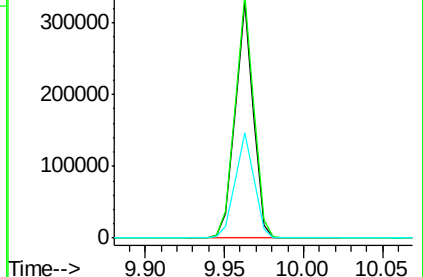
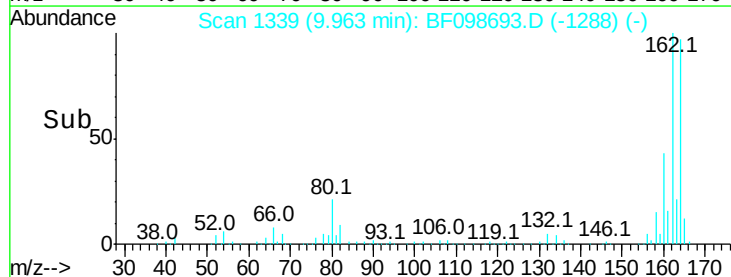
160 44.9 38.3 57.5

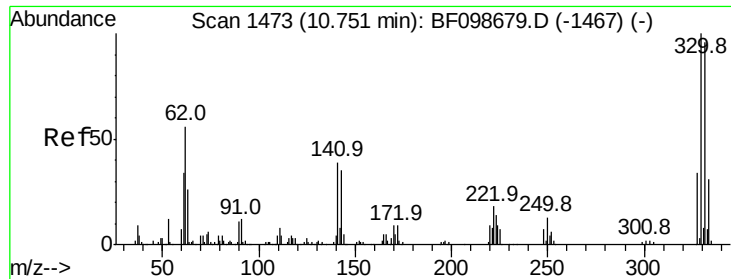


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

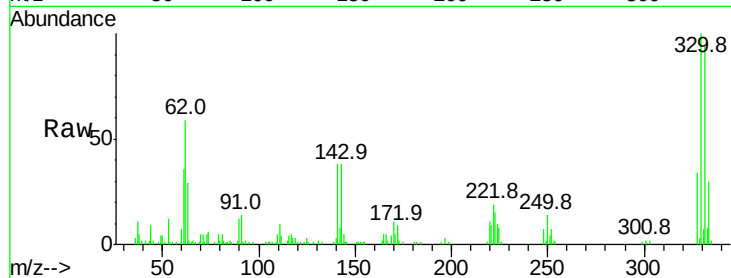




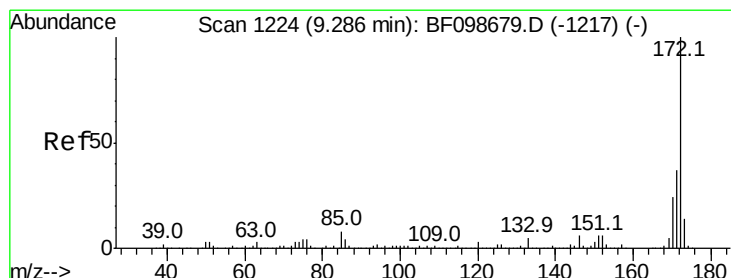
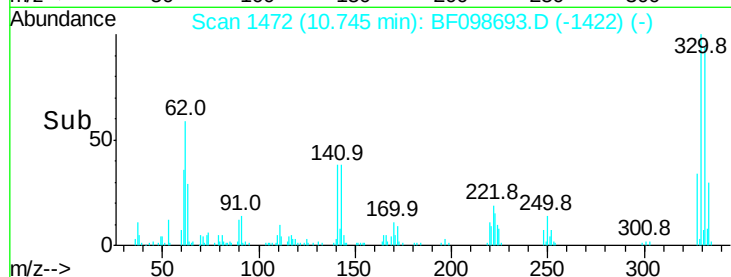
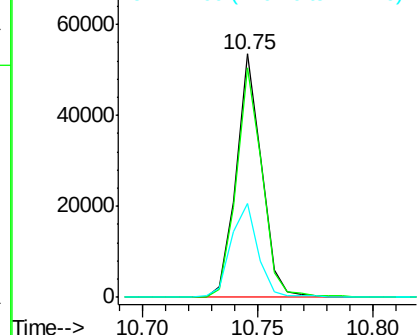
#41
 2,4,6-Tribromophenol
 Concen: 17.131 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098693.D
 Acq: 22 Sep 2017 12:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-091917

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	41.3	29.9	44.9

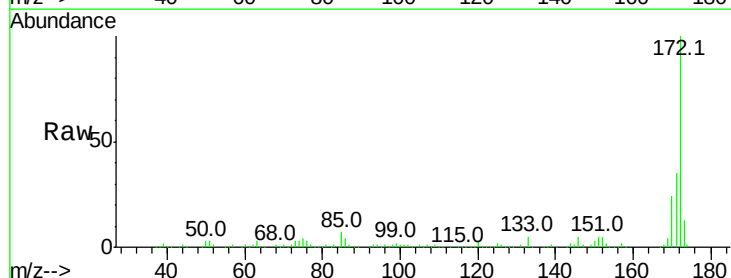


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

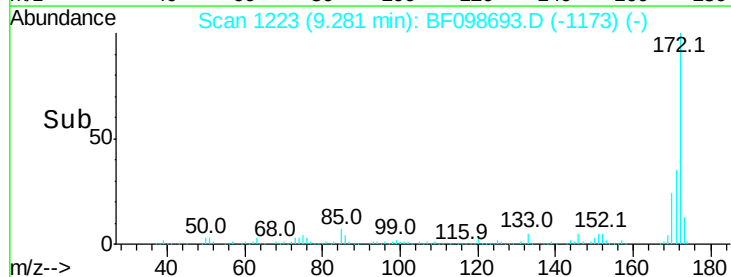
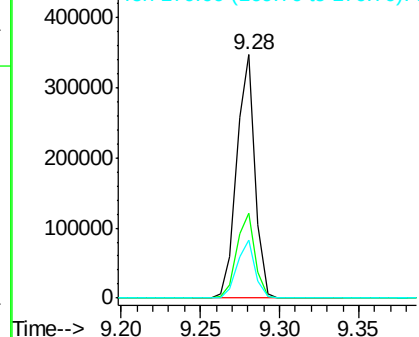


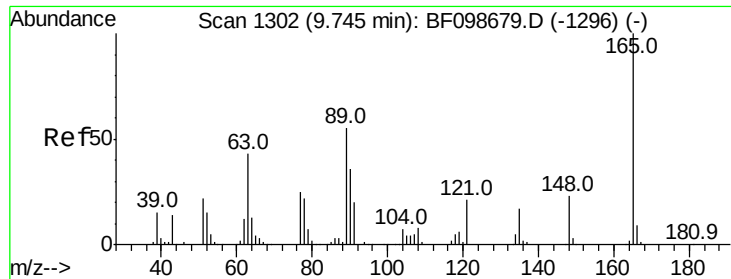
#44
 2-Fluorobiphenyl
 Concen: 16.843 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF098693.D
 Acq: 22 Sep 2017 12:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.9	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





#50

2,6-Dinitrotoluene

Concen: 8.522 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.22 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

Instrument :

BNA_F

ClientSampleId :

OR-01-091917

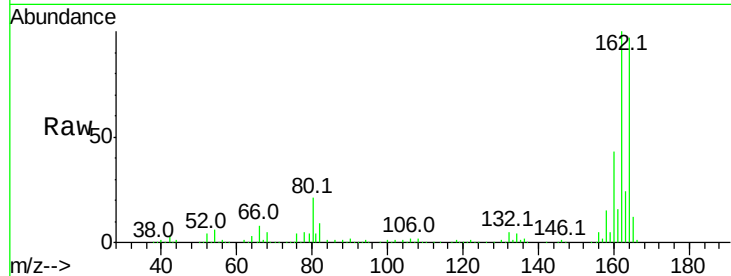
Tot Ion:165 Resp: 33023

Ion Ratio Lower Upper

165 100

63 0.9 44.7 67.1#

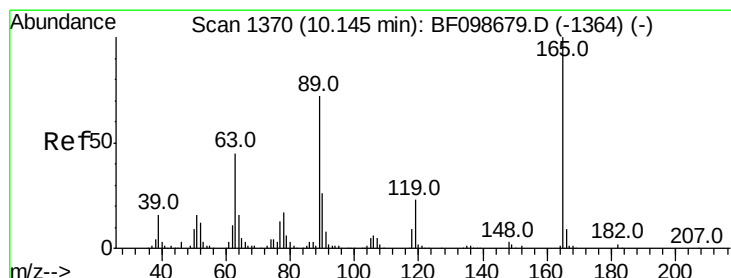
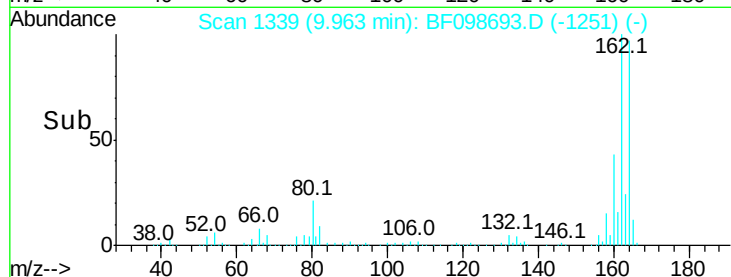
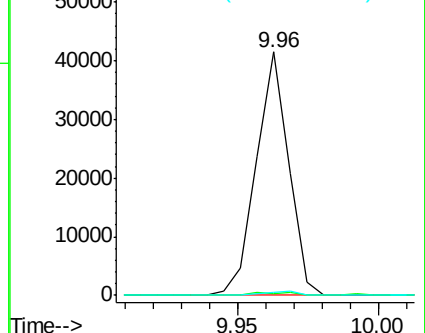
89 1.4 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.344 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.18 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

Tgt Ion:165 Resp: 33023

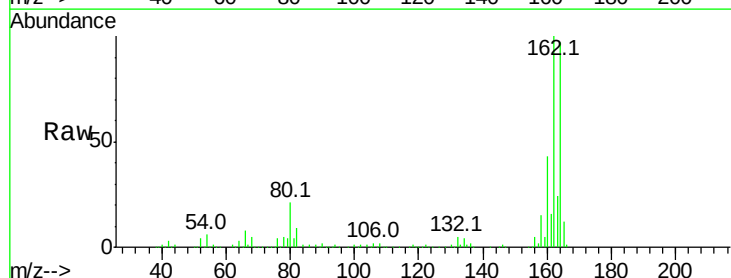
Ion Ratio Lower Upper

165 100

63 0.9 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

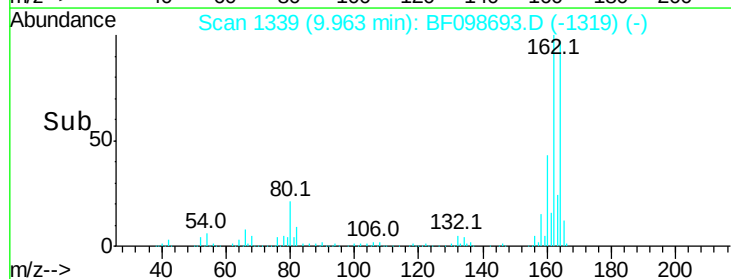
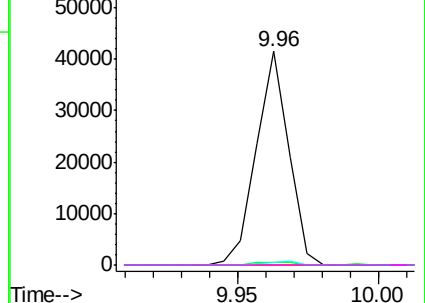


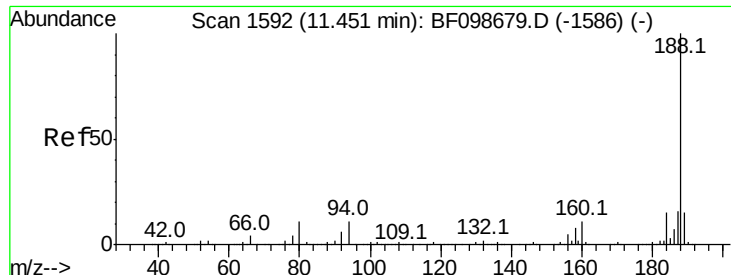
Abundance Ion 165.00 (164.70 to 165.70): E

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

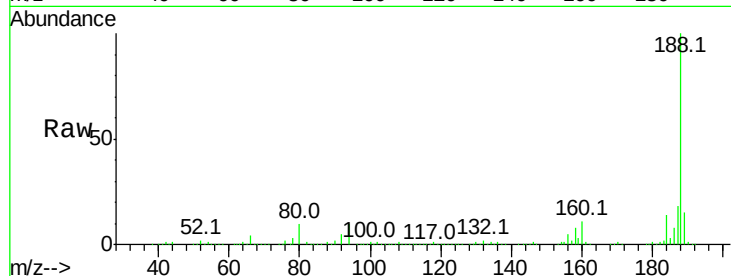




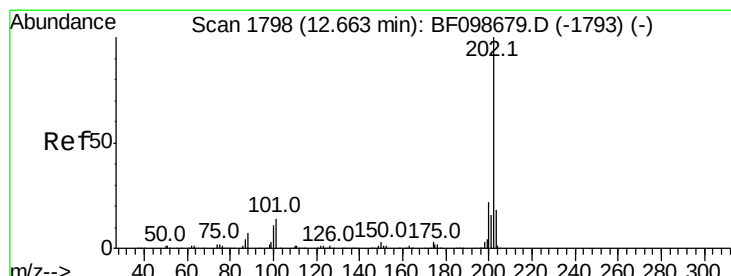
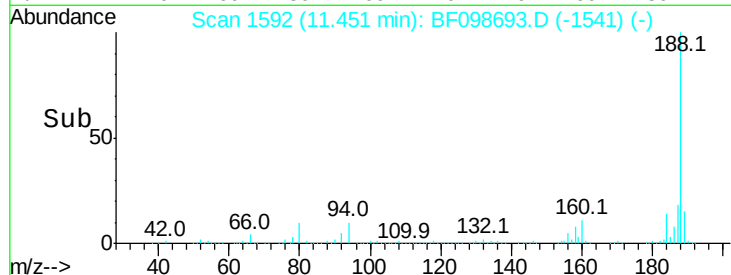
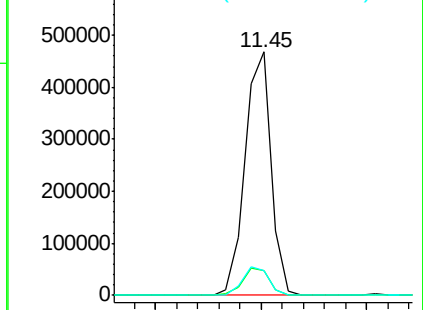
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF098693.D
Acq: 22 Sep 2017 12:06

Instrument :
BNA_F
ClientSampleId :
OR-01-091917

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	10.3	9.2	13.8

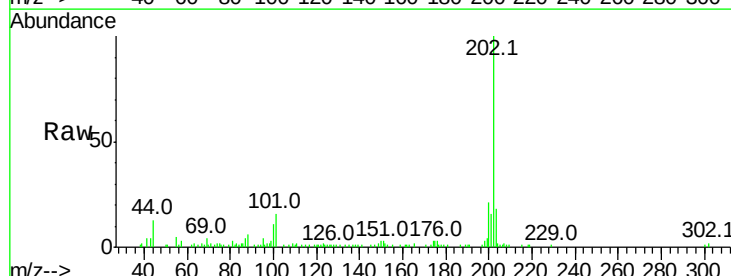


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

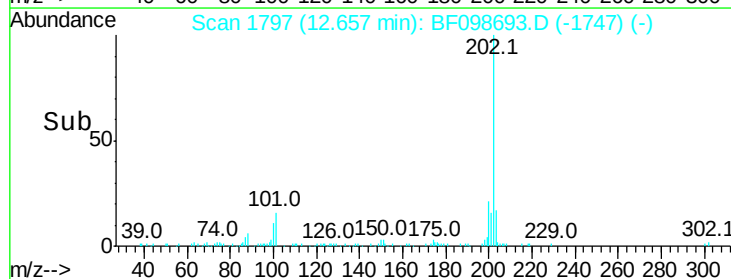
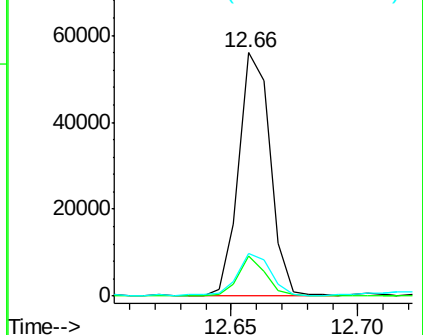


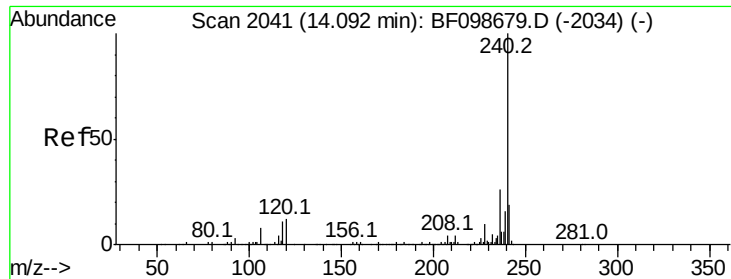
#74
Fluoranthene
Concen: 2.254 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF098693.D
Acq: 22 Sep 2017 12:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	34.1
203	17.5	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: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

Instrument :

BNA_F

ClientSampleId :

OR-01-091917

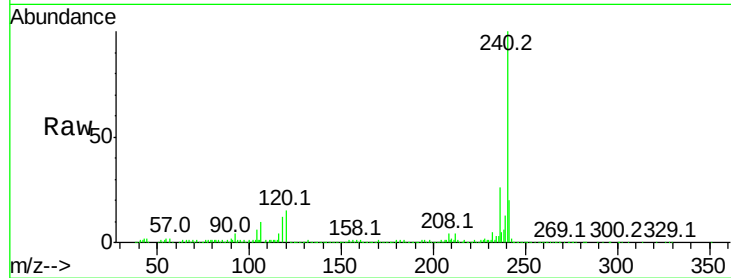
Tot Ion:240 Resp: 338044

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

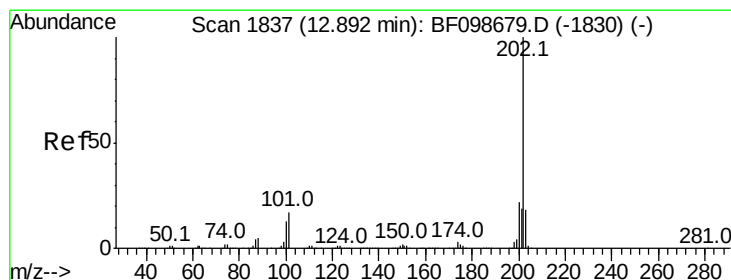
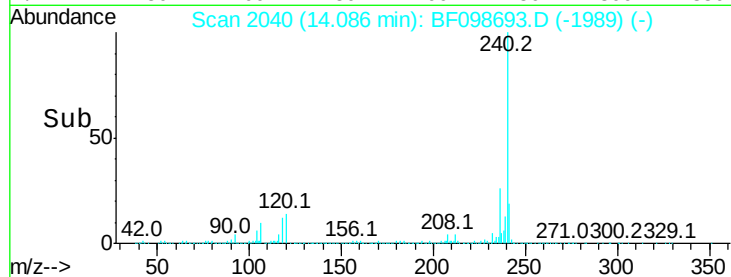
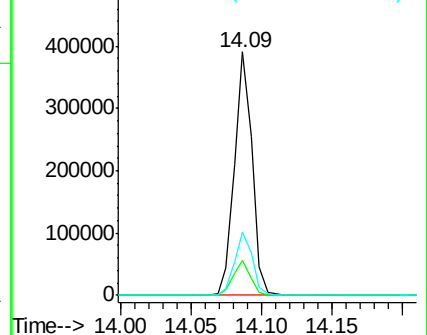
236 25.9 20.7 31.1



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: 2.036 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

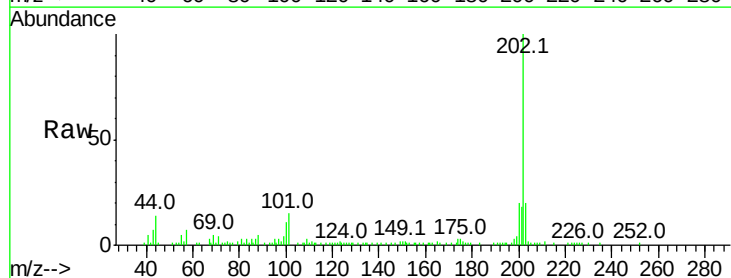
Tgt Ion:202 Resp: 51096

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

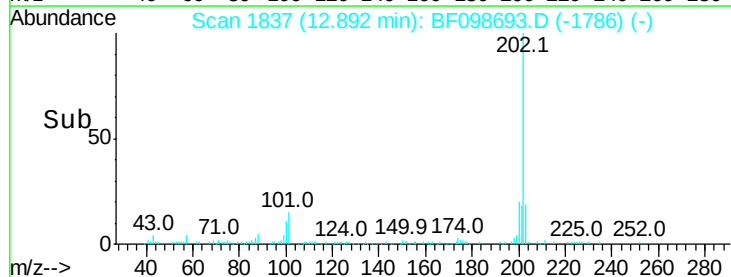
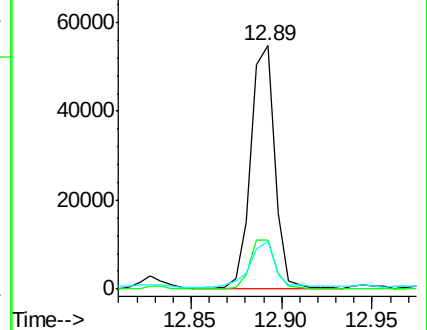
203 19.6 14.3 21.5

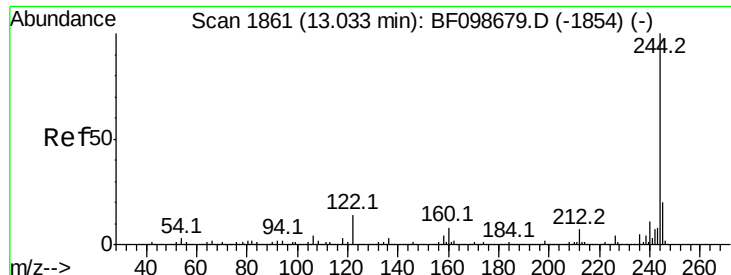


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.950 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

Instrument :

BNA_F

ClientSampleId :

OR-01-091917

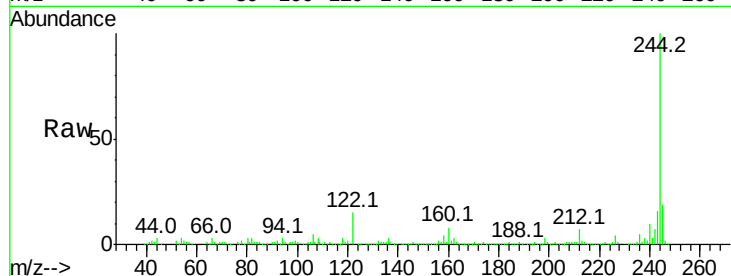
Tot Ion:244 Resp: 203868

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

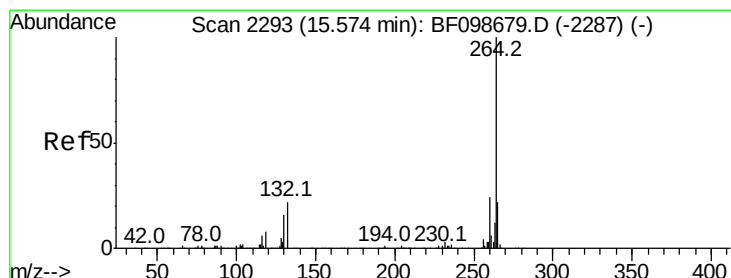
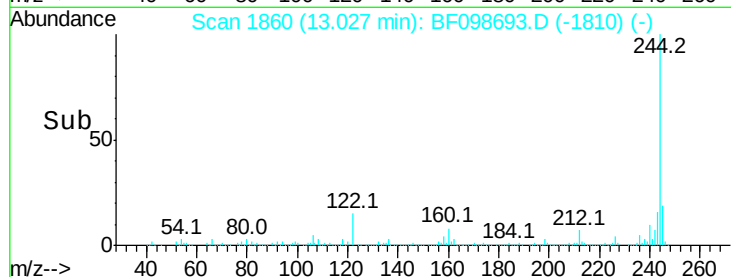
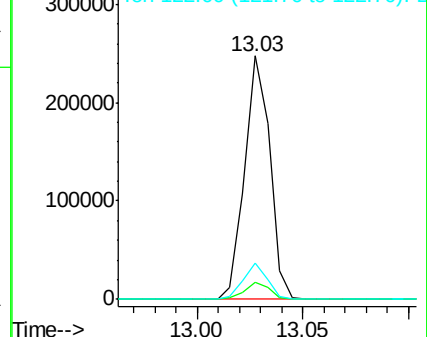
122 14.6 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

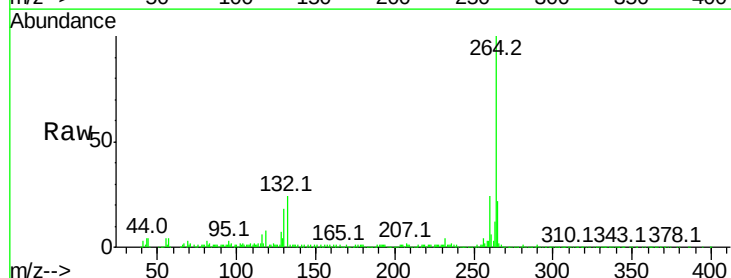
Tgt Ion:264 Resp: 343599

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

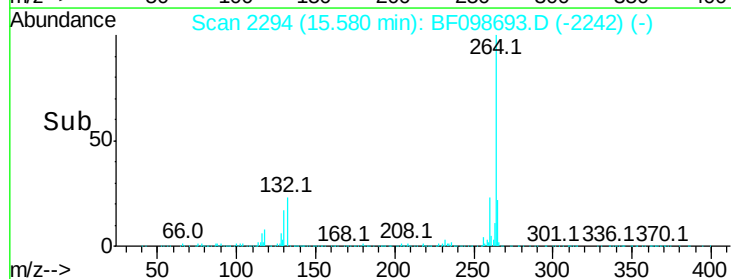
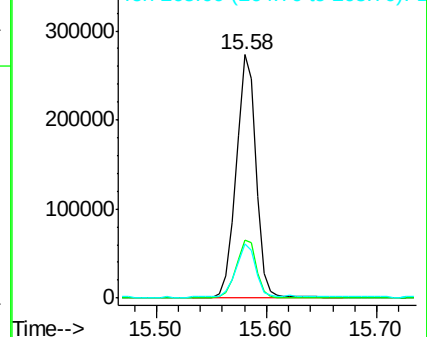
265 22.4 17.5 26.3

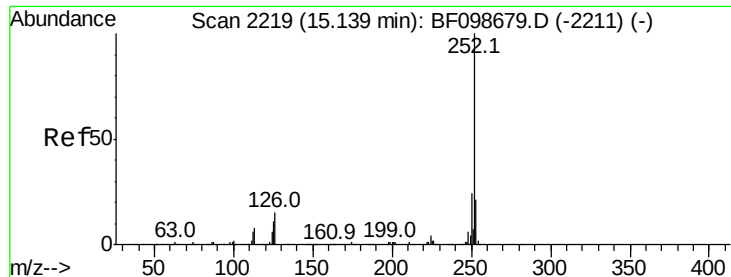


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.716 ng

RT: 15.14 min Scan# 2219

Delta R.T. 0.00 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

Instrument :

BNA_F

ClientSampleId :

OR-01-091917

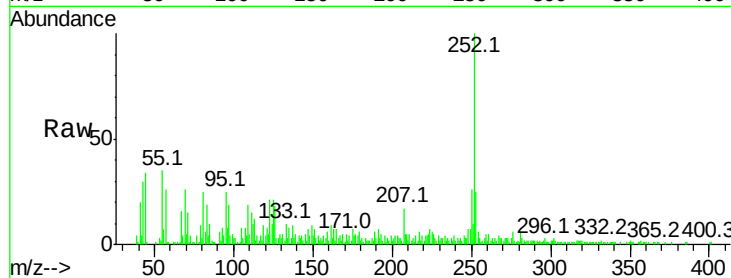
Tot Ion:252 Resp: 74057

Ion Ratio Lower Upper

252 100

253 25.3 17.0 25.6

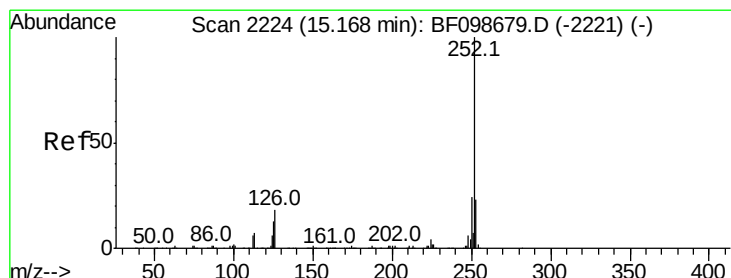
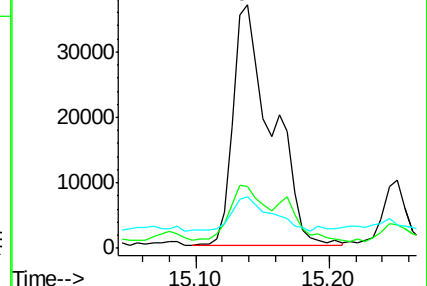
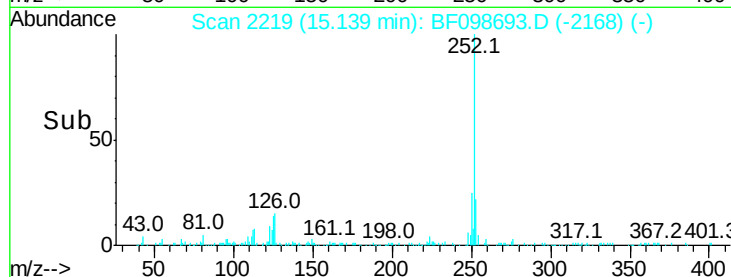
125 21.4 9.0 13.6#



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: 3.719 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.03 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

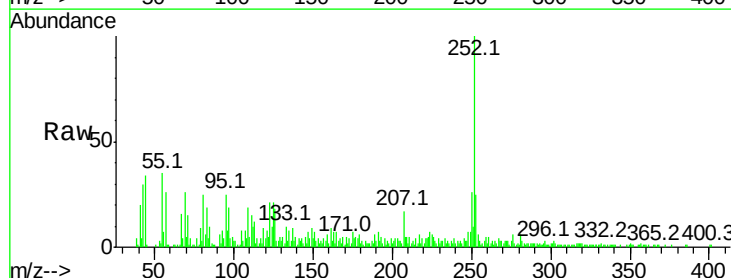
Tgt Ion:252 Resp: 74057

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

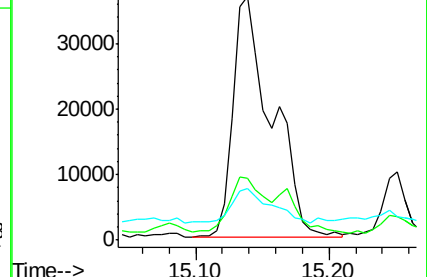
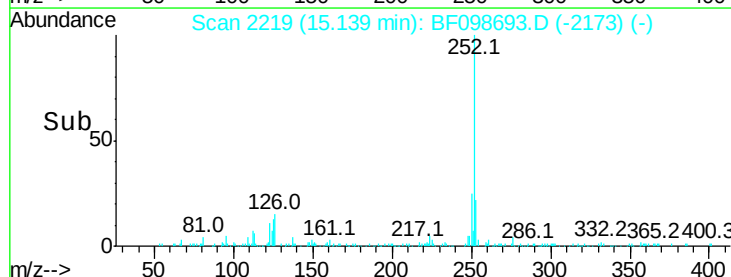
125 21.4 10.2 15.2#

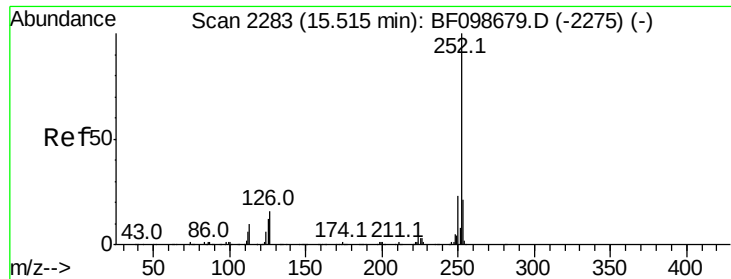


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.081 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BF098693.D

Acq: 22 Sep 2017 12:06

Instrument :

BNA_F

ClientSampleId :

OR-01-091917

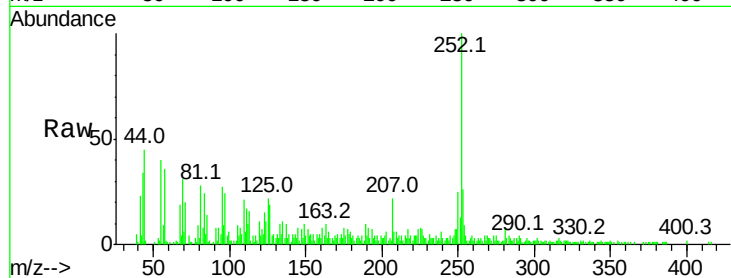
Tot Ion:252 Resp: 37657

Ion Ratio Lower Upper

252 100

253 26.5 17.1 25.7#

125 22.0 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

