

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099043.D
 Acq On : 3 Oct 2017 21:16
 Operator : SJ/JU
 Sample : I5531-11RE 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 04 00:40:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

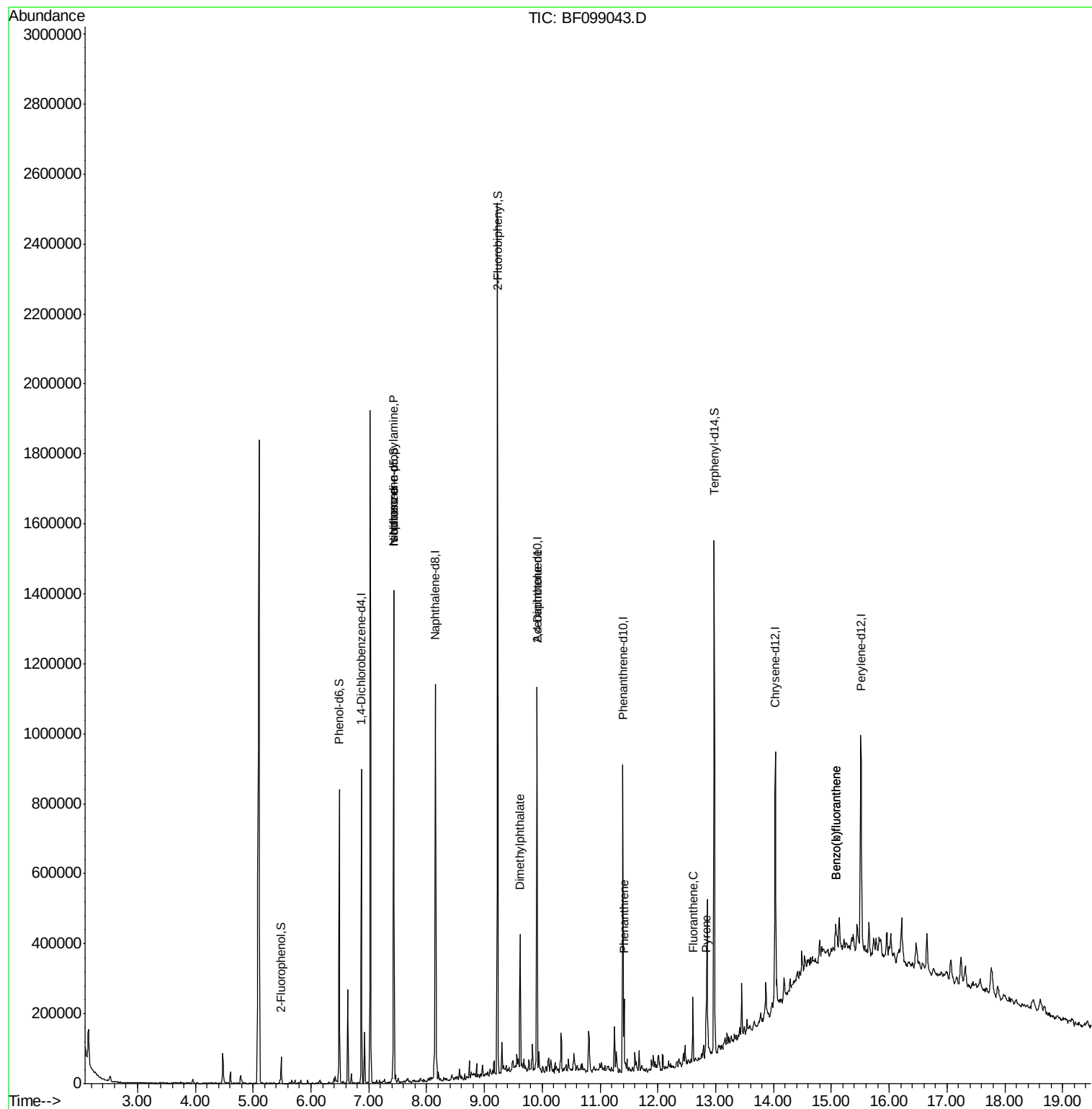
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	133658	20.00	ng	-0.05
21) Naphthalene-d8	8.15	136	520022	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	200483	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	277078	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	228847	20.00	ng	-0.05
86) Perylene-d12	15.51	264	250318	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	20794	2.48	ng	-0.05
7) Phenol-d6	6.49	99	269756	26.04	ng	-0.06
23) Nitrobenzene-d5	7.43	82	416723	51.39	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	788	0.48	ng	-0.06
44) 2-Fluorobiphenyl	9.23	172	711981	59.29	ng	-0.05
78) Terphenyl-d14	12.97	244	404249	40.17	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	57680	8.72	ng	# 77
25) Isophorone	7.43	82	415880	24.81	ng	# 64
49) Dimethylphthalate	9.62	163	119398	7.89	ng	99
56) 2,4-Dinitrotoluene	9.91	165	26803	6.27	ng	# 24
70) Phenanthrene	11.42	178	65276	4.40	ng	98
74) Fluoranthene	12.60	202	61361	4.09	ng	99
77) Pyrene	12.83	202	60707	3.48	ng	97
87) Benzo(b)fluoranthene	15.07	252	40637	2.64	ng	# 78
88) Benzo(k)fluoranthene	15.07	252	40637	2.67	ng	# 81

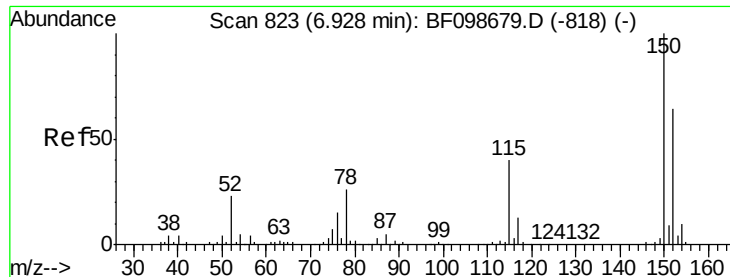
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
Data File : BF099043.D
Acq On : 3 Oct 2017 21:16
Operator : SJ/JU
Sample : I5531-11RE 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 04 00:40:48 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration



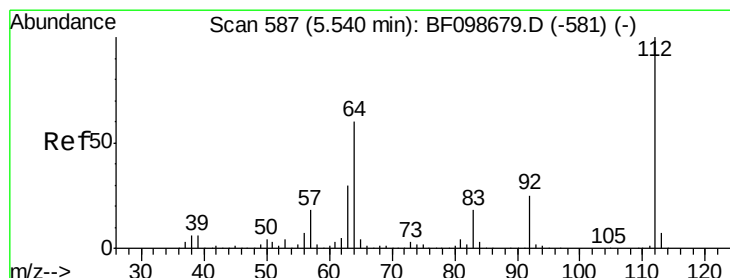
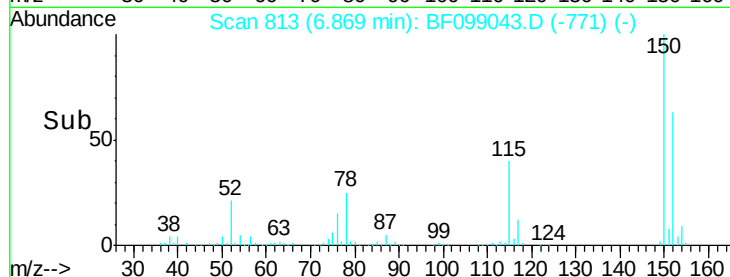
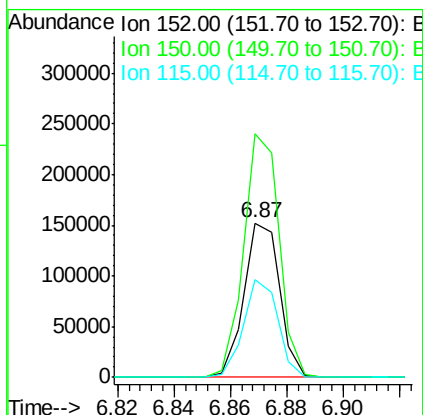
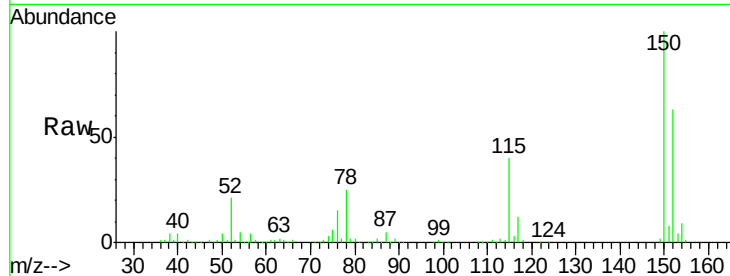


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF099043.D
Acq: 3 Oct 2017 21:16

Instrument :
BNA_F
ClientSampled :

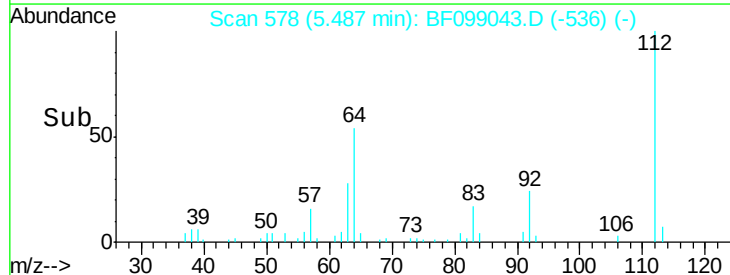
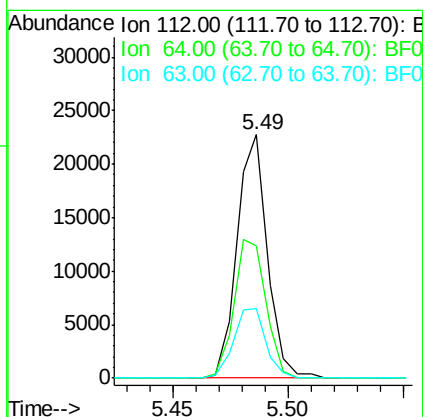
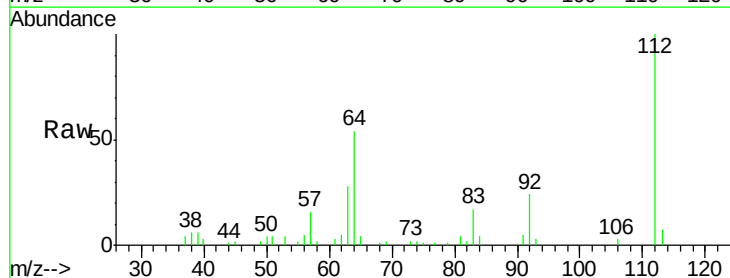
Tot Ion:152 Resp: 133658
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 63.7 50.1 75.1

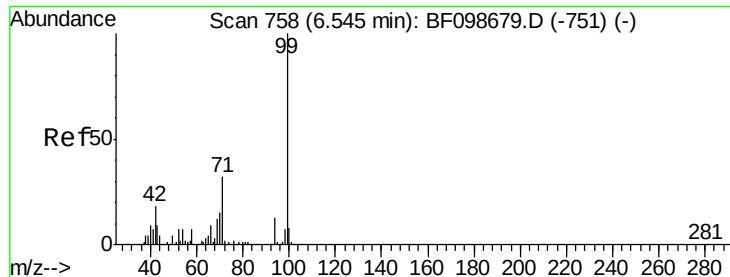


#5

2-Fluorophenol
Concen: 2.48 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.05 min
Lab File: BF099043.D
Acq: 3 Oct 2017 21:16

Tgt Ion:112 Resp: 20794
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 28.3 23.7 35.5





#7

Phenol-d6

Concen: 26.04 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.06 min

Lab File: BF099043.D

Acq: 3 Oct 2017 21:16

Instrument :

BNA_F

ClientSampleId :

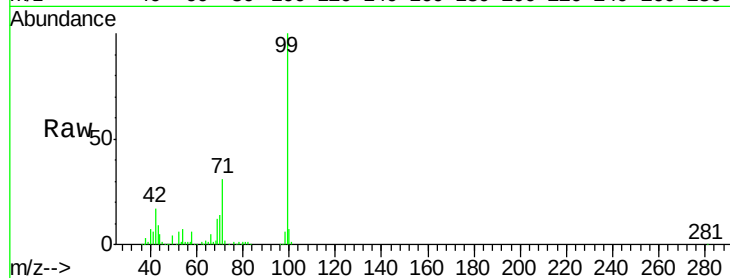
Tot Ion: 99 Resp: 269756

Ion Ratio Lower Upper

99 100

42 16.9 14.5 21.7

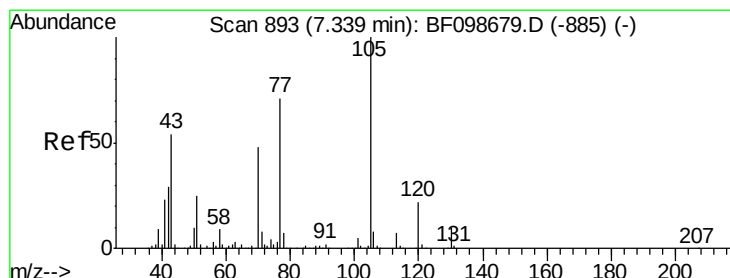
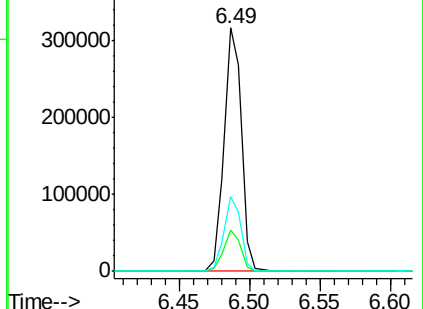
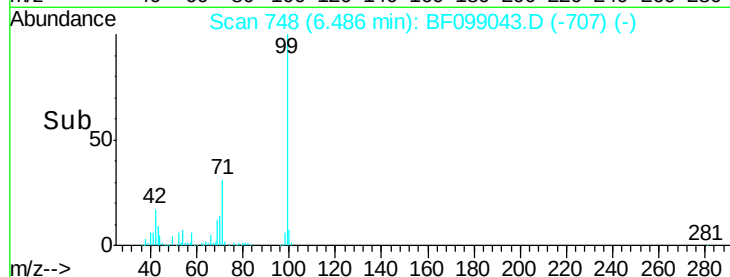
71 30.6 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.72 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.10 min

Lab File: BF099043.D

Acq: 3 Oct 2017 21:16

Tgt Ion: 70 Resp: 57680

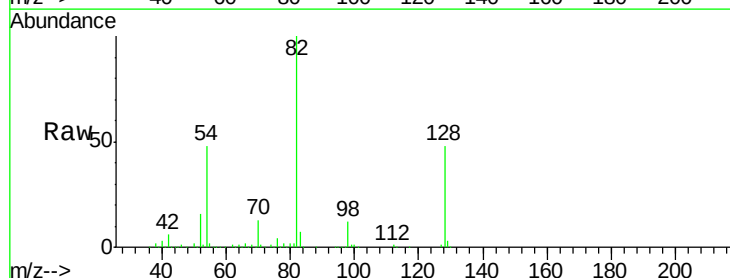
Ion Ratio Lower Upper

70 100

42 47.0 47.5 71.3#

101 0.6 7.4 11.2#

130 2.2 16.6 25.0#

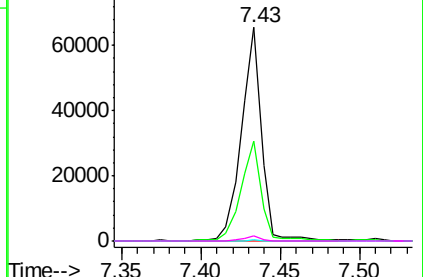
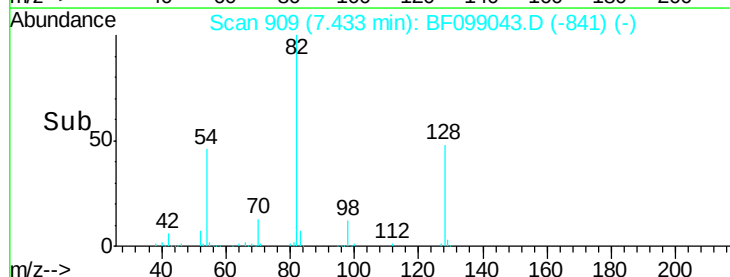


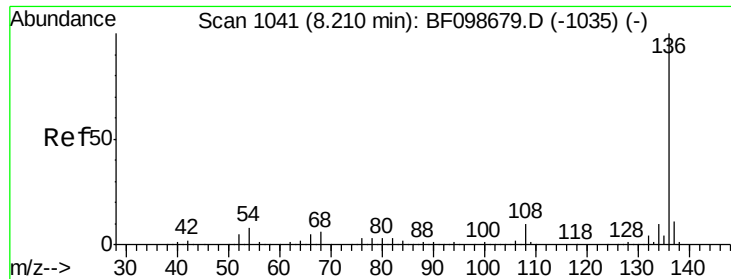
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

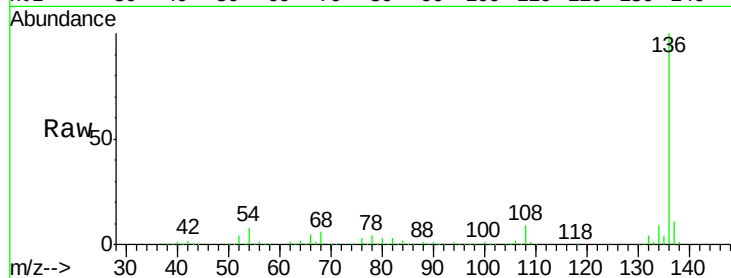




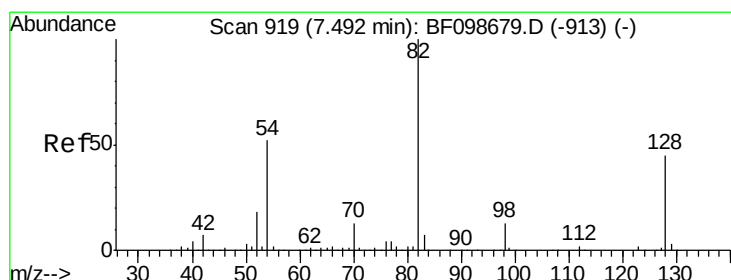
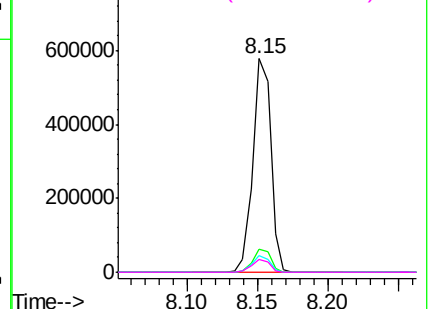
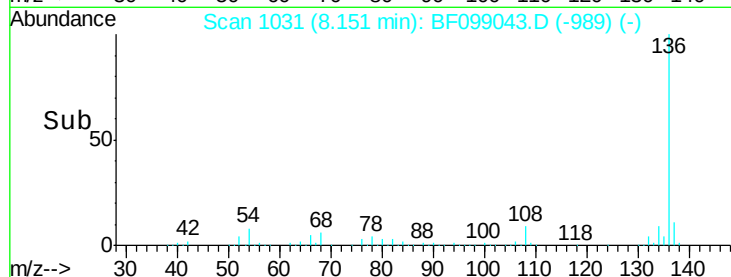
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF099043.D
Acq: 3 Oct 2017 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	520022
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	8.0	6.6 9.8
68	6.3	5.0 7.4

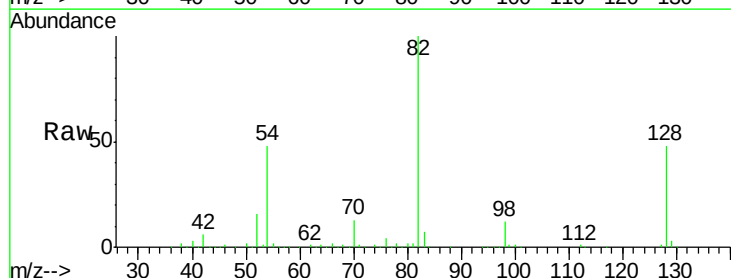


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

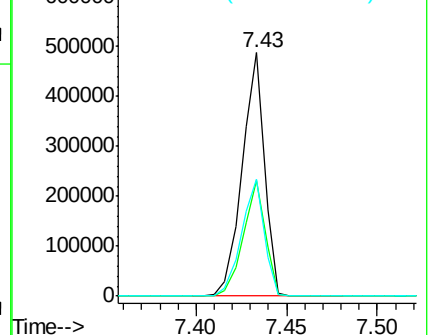
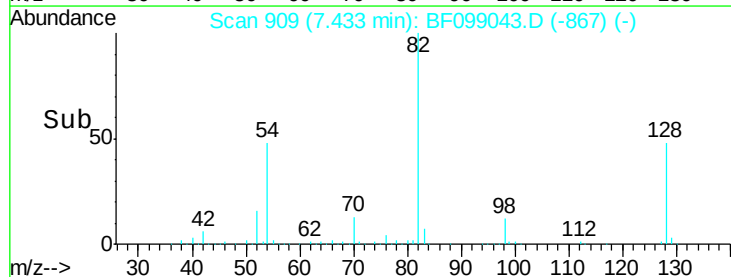


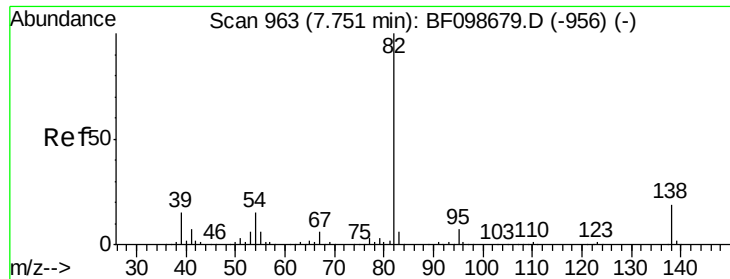
#23
Nitrobenzene-d5
Concen: 51.39 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF099043.D
Acq: 3 Oct 2017 21:16

Tgt Ion: 82	Resp:	416723
Ion	Ratio	Lower Upper
82	100	
128	47.7	36.1 54.1
54	48.3	41.4 62.2



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





#25

Isophorone

Concen: 24.81 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.31 min

Lab File: BF099043.D

Acq: 3 Oct 2017 21:16

Instrument :

BNA_F

ClientSampleId :

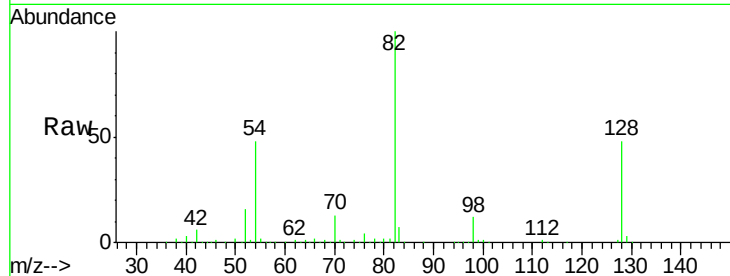
Tot Ion: 82 Resp: 415880

Ion Ratio Lower Upper

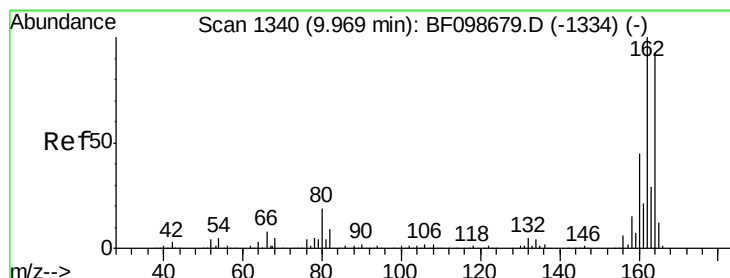
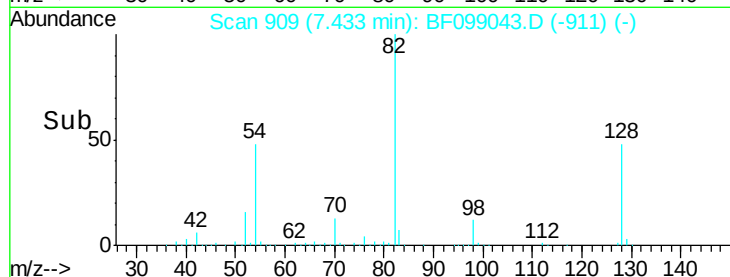
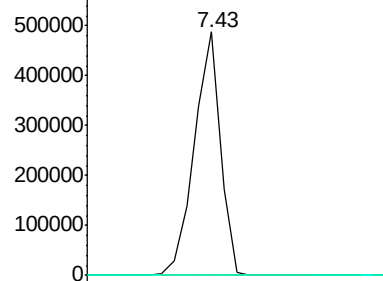
82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.05 min

Lab File: BF099043.D

Acq: 3 Oct 2017 21:16

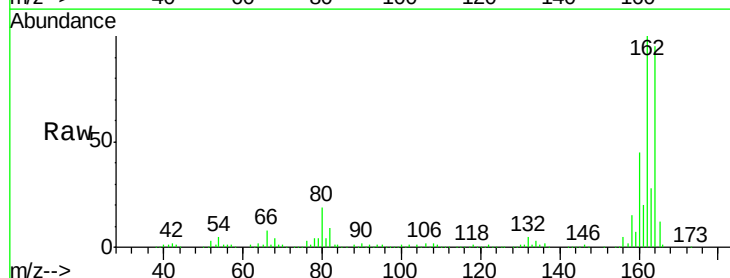
Tgt Ion:164 Resp: 200483

Ion Ratio Lower Upper

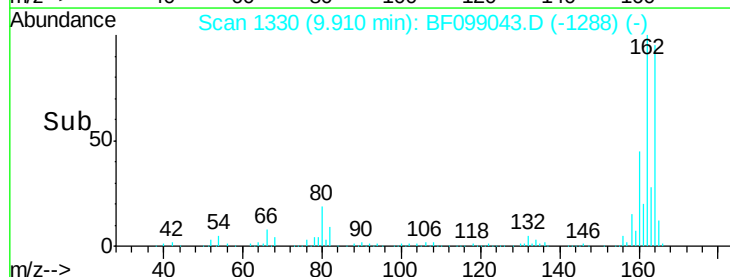
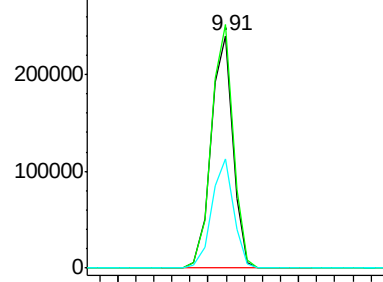
164 100

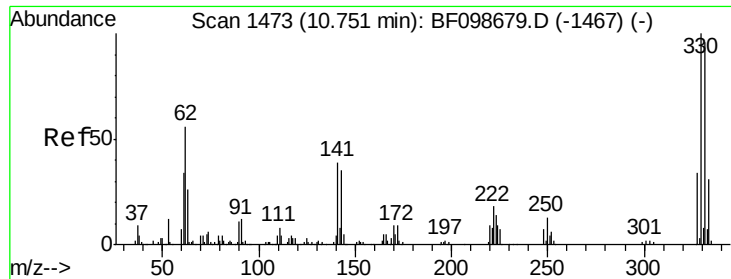
162 104.8 86.1 129.1

160 47.0 38.3 57.5



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





#41

2,4,6-Tribromophenol

Concen: 0.48 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.06 min

Lab File: BF099043.D

Acq: 3 Oct 2017 21:16

Instrument :

BNA_F

ClientSampled :

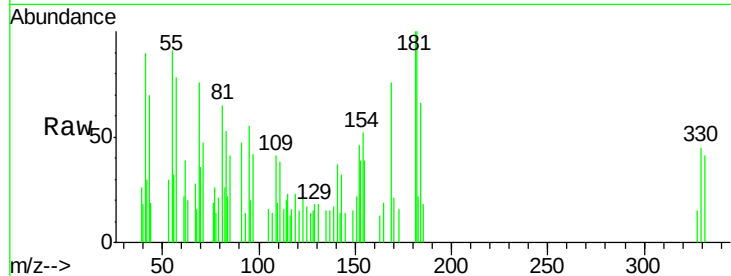
Tot Ion:330 Resp: 788

Ion Ratio Lower Upper

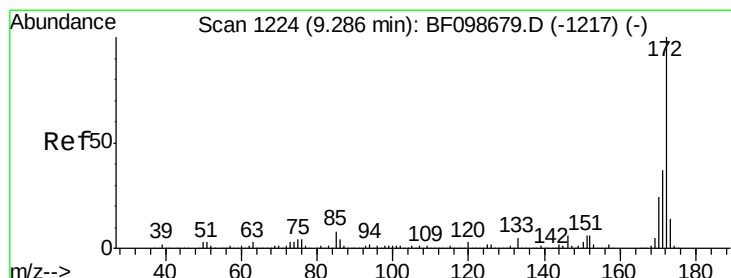
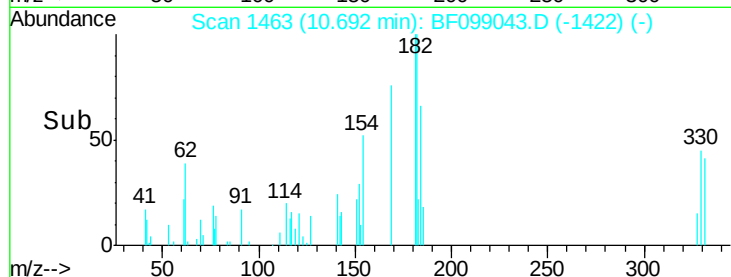
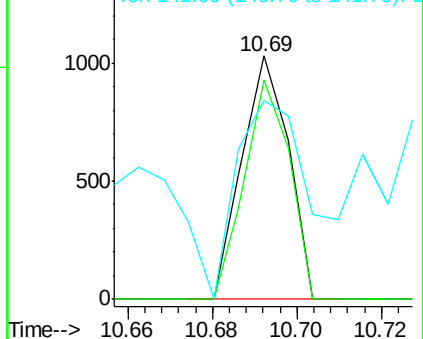
330 100

332 87.7 77.0 115.6

141 132.4 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: 59.29 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.05 min

Lab File: BF099043.D

Acq: 3 Oct 2017 21:16

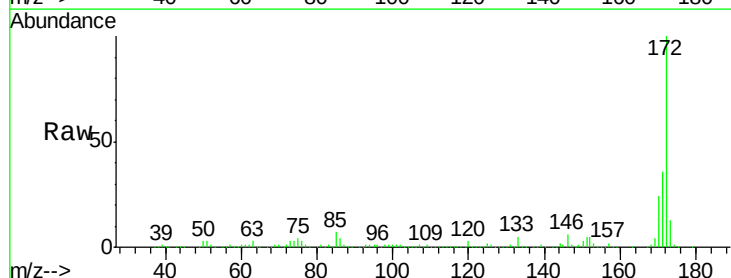
Tgt Ion:172 Resp: 711981

Ion Ratio Lower Upper

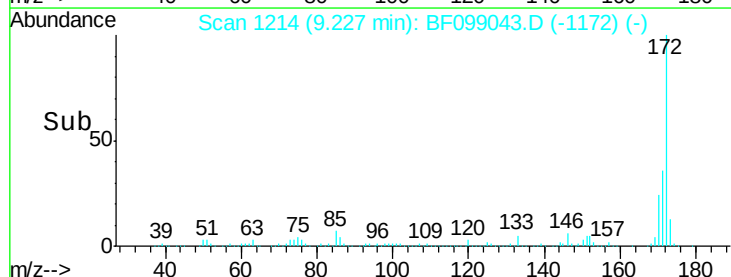
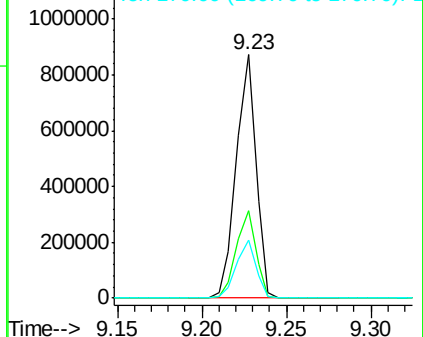
172 100

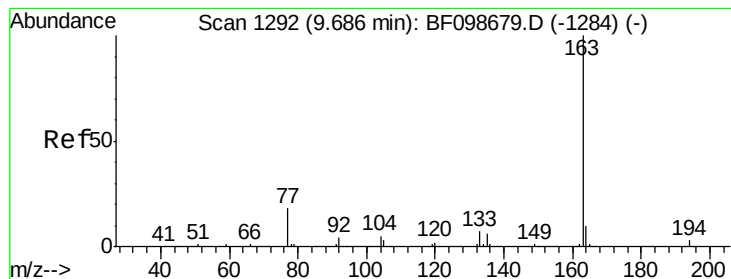
171 36.2 29.7 44.5

170 23.7 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: 7.89 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.06 min

Lab File: BF099043.D

Acq: 3 Oct 2017 21:16

Instrument :

BNA_F

ClientSampleId :

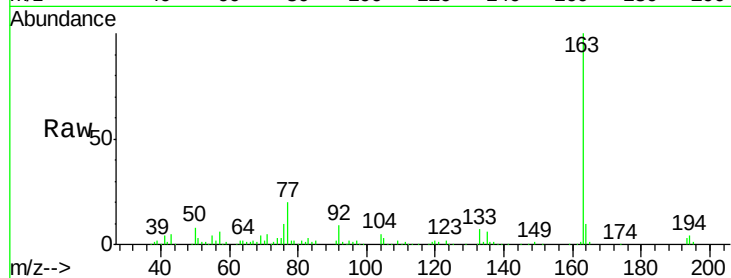
Tot Ion:163 Resp: 119398

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

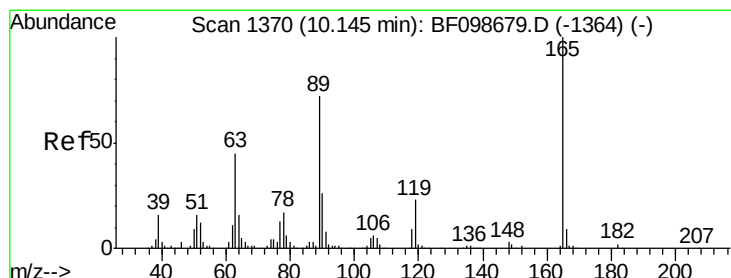
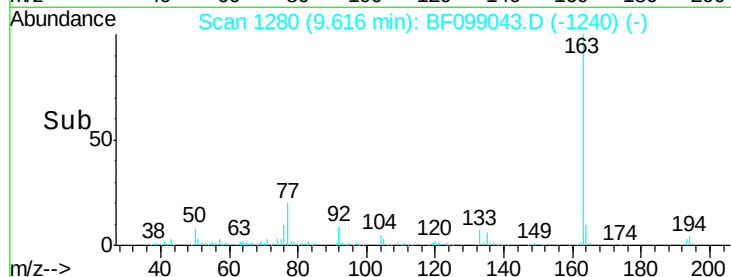
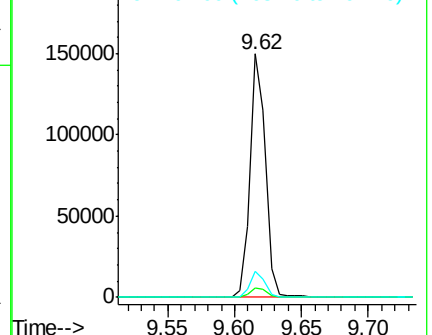
164 10.5 8.2 12.2



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: 6.27 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.24 min

Lab File: BF099043.D

Acq: 3 Oct 2017 21:16

Tgt Ion:165 Resp: 26803

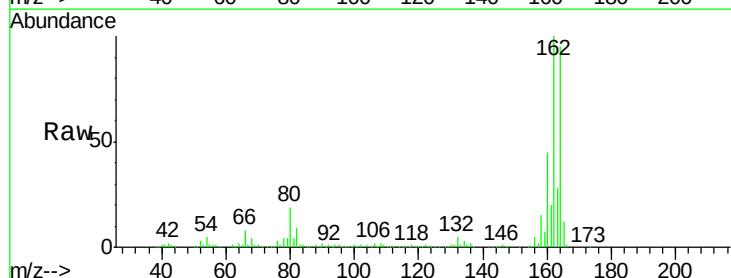
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

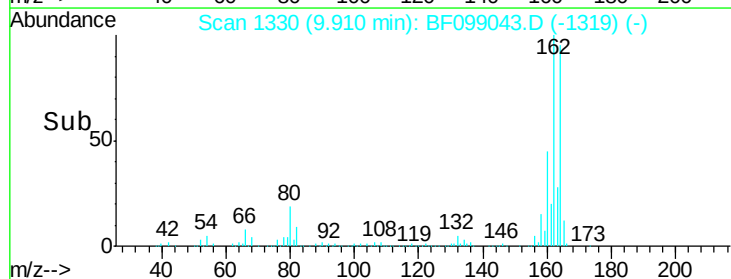
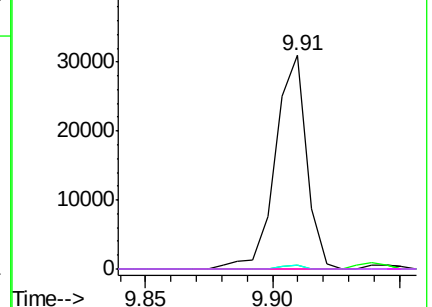


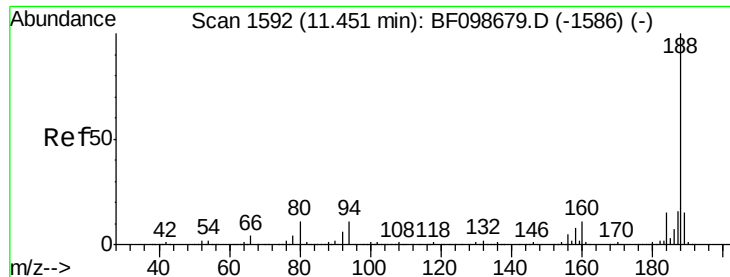
Abundance Ion 165.00 (164.70 to 165.70): E

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

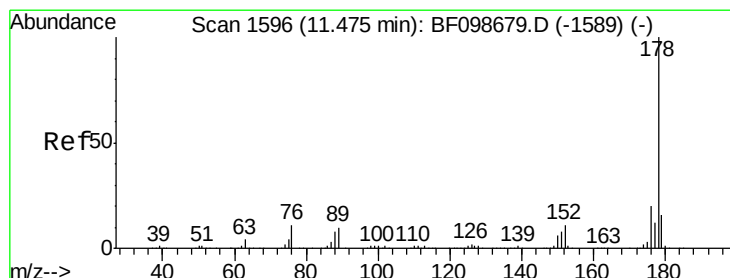
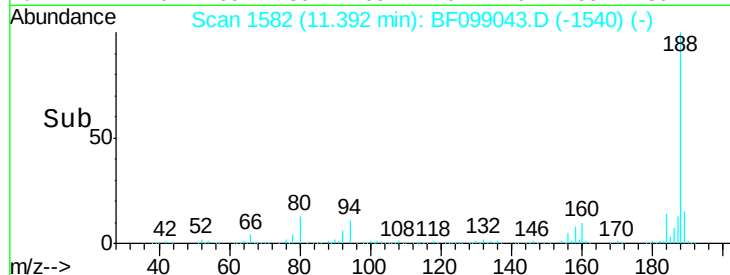
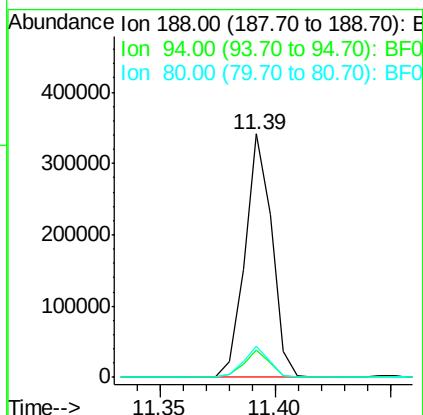
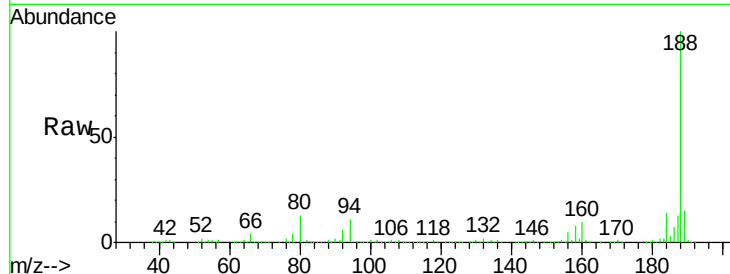




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.05 min
Lab File: BF099043.D
Acq: 3 Oct 2017 21:16

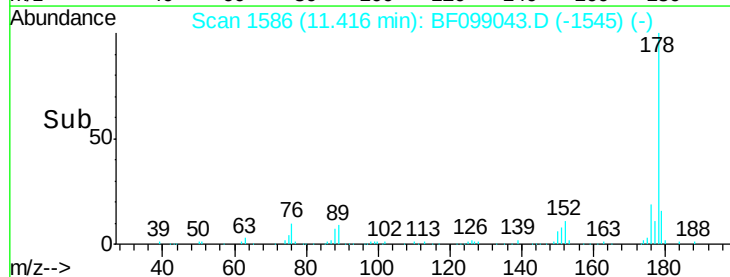
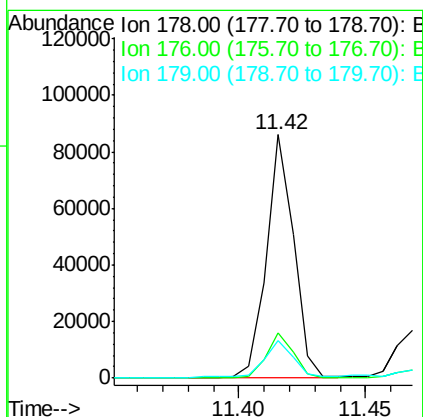
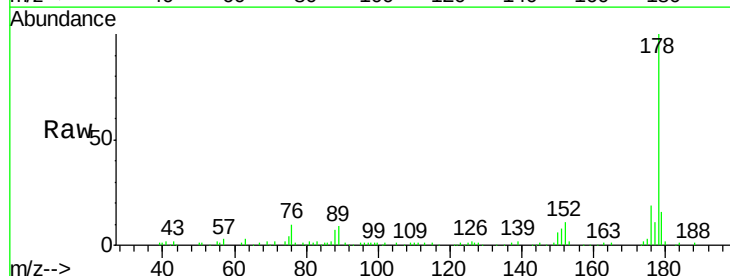
Instrument :
BNA_F
ClientSampled :

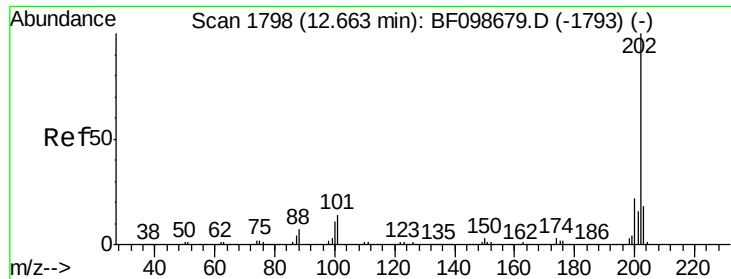
Tot Ion:188 Resp: 277078
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.7 9.2 13.8



#70
Phenanthrene
Concen: 4.40 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.06 min
Lab File: BF099043.D
Acq: 3 Oct 2017 21:16

Tgt Ion:178 Resp: 65276
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.5 13.0 19.6

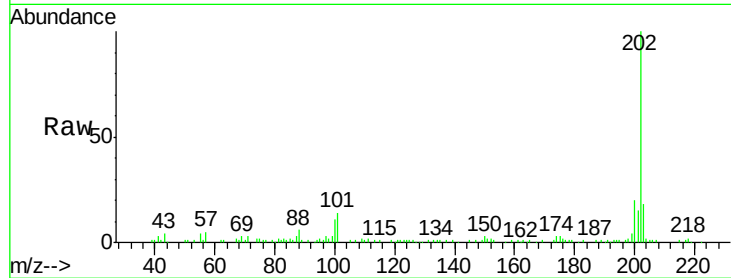




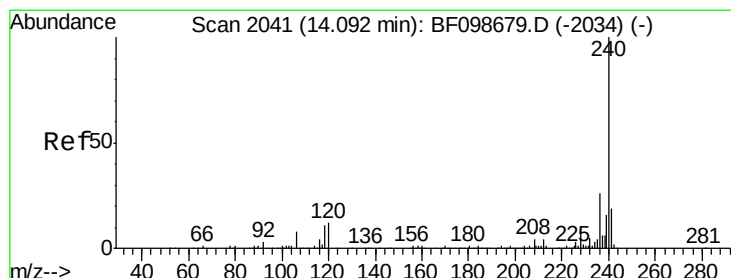
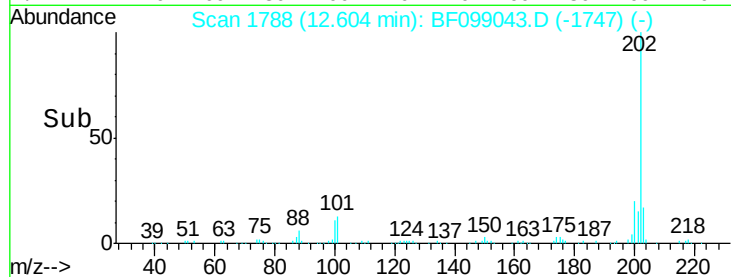
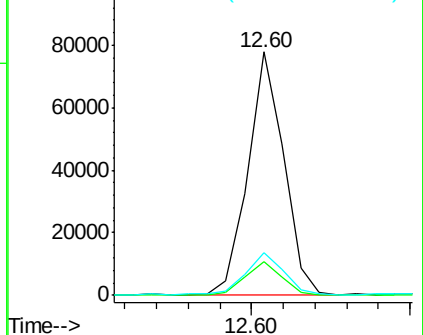
#74
 Fluoranthene
 Concen: 4.09 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. -0.06 min
 Lab File: BF099043.D
 Acq: 3 Oct 2017 21:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.7	0.0	38.1

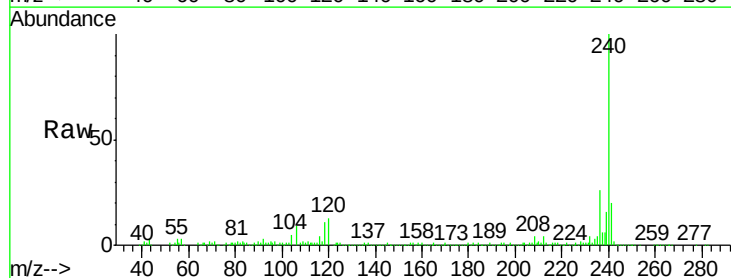


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

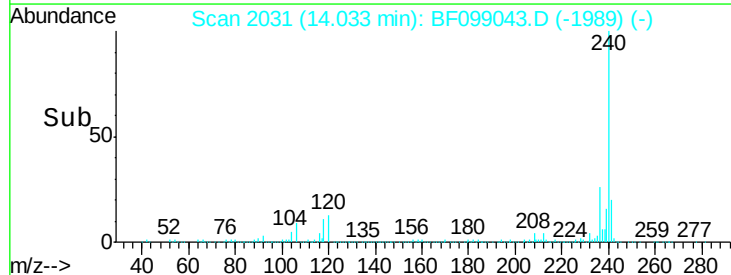
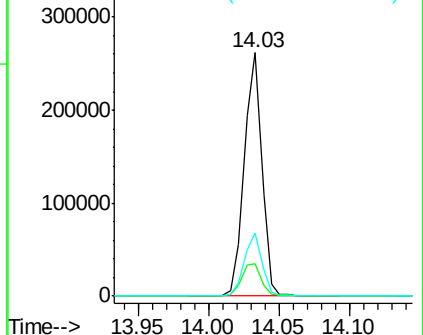


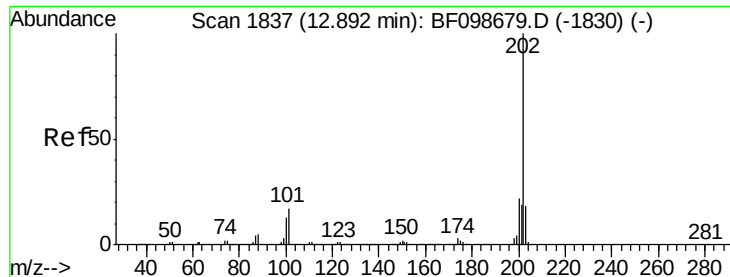
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.05 min
 Lab File: BF099043.D
 Acq: 3 Oct 2017 21:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.5	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: 3.48 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.06 min

Lab File: BF099043.D

Acq: 3 Oct 2017 21:16

Instrument :

BNA_F

ClientSampleId :

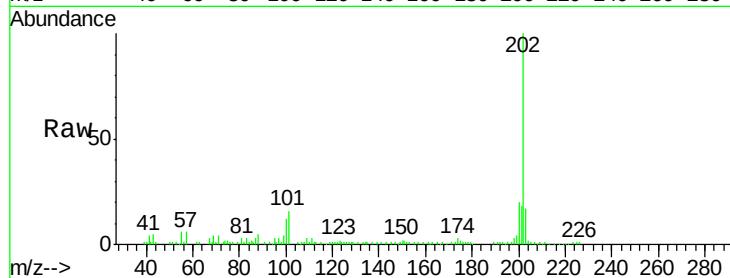
Tot Ion:202 Resp: 60707

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

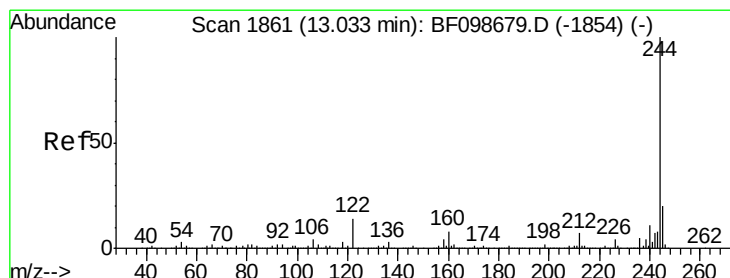
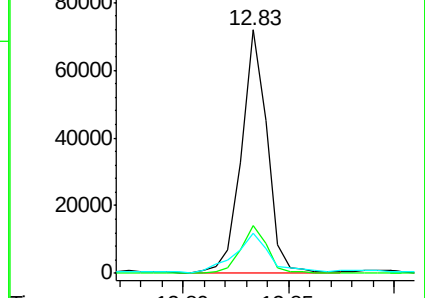
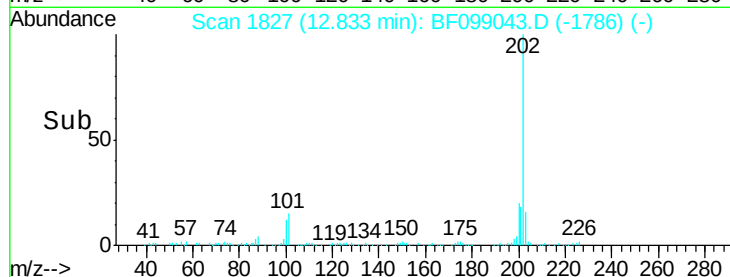
203 16.7 14.3 21.5



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: 40.17 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.06 min

Lab File: BF099043.D

Acq: 3 Oct 2017 21:16

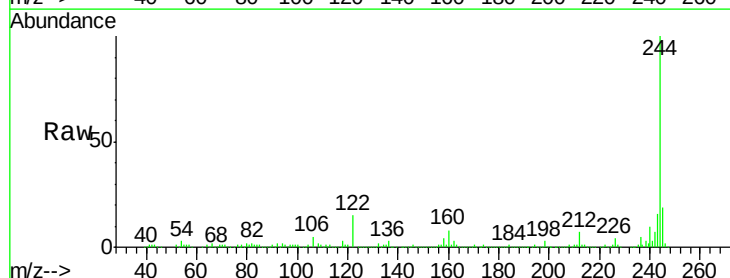
Tgt Ion:244 Resp: 404249

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

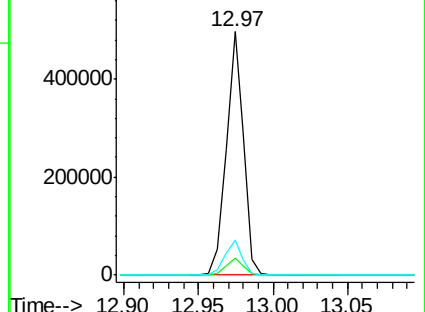
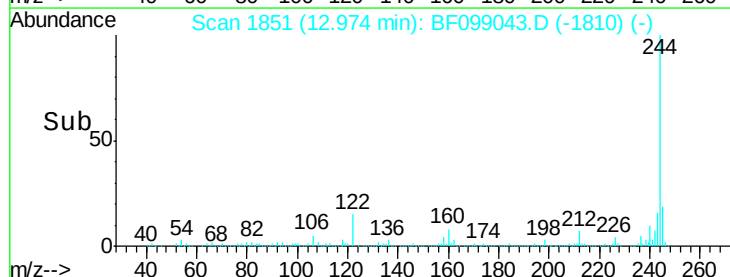
122 14.5 11.0 16.4

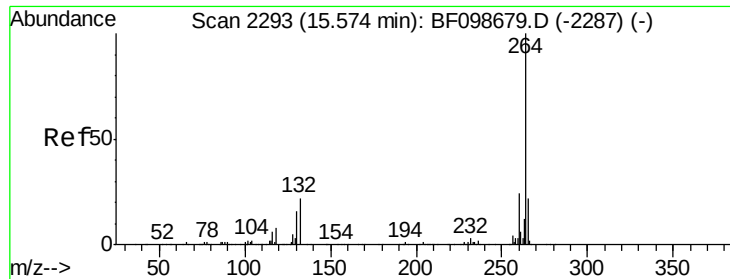


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

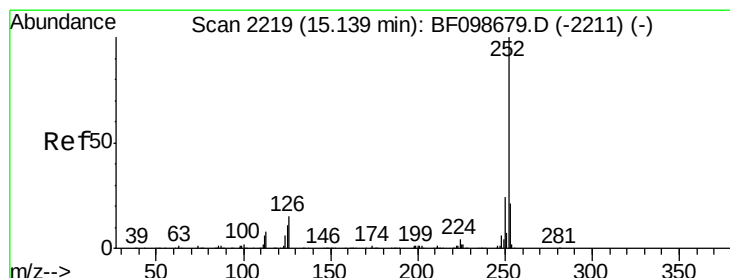
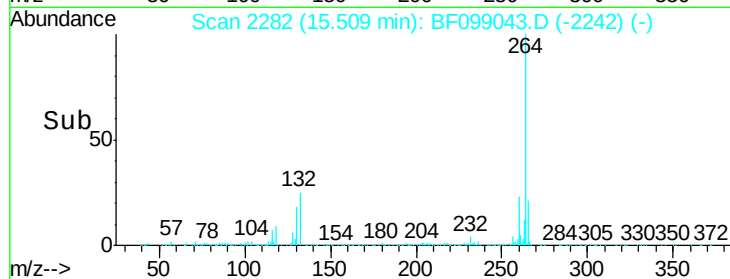
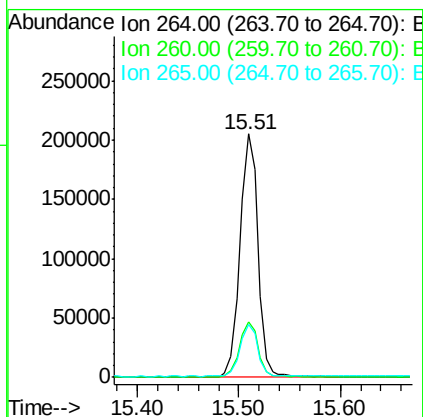
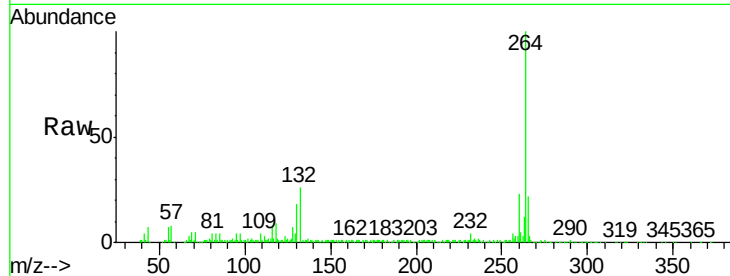




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.06 min
Lab File: BF099043.D
Acq: 3 Oct 2017 21:16

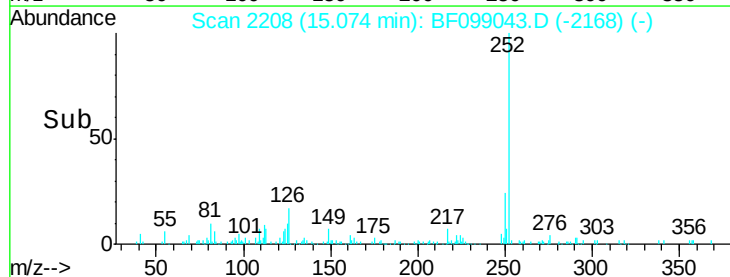
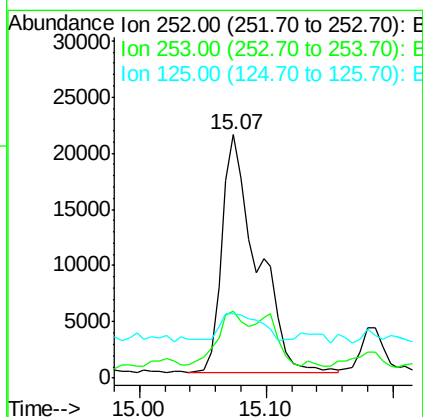
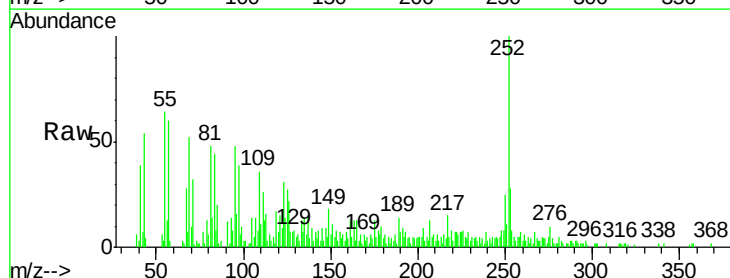
Instrument :
BNA_F
ClientSampled :

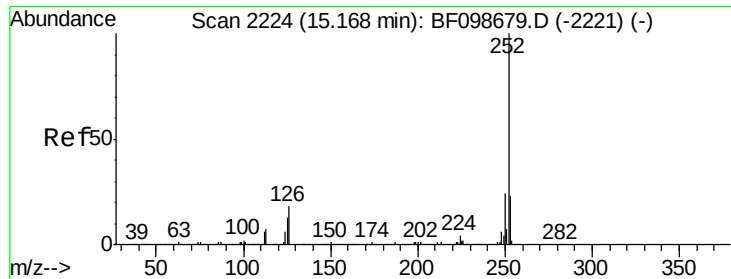
Tot Ion:264 Resp: 250318
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.64 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.06 min
Lab File: BF099043.D
Acq: 3 Oct 2017 21:16

Tgt Ion:252 Resp: 40637
Ion Ratio Lower Upper
252 100
253 27.5 17.0 25.6#
125 26.5 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.67 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.09 min

Lab File: BF099043.D

Acq: 3 Oct 2017 21:16

Instrument :

BNA_F

ClientSampleId :

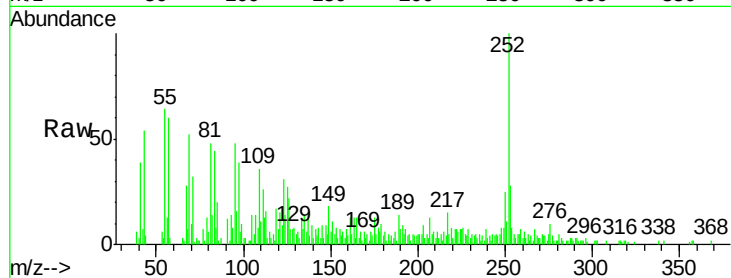
Tot Ion: 252 Resp: 40637

Ion Ratio Lower Upper

252 100

253 27.5 17.9 26.9#

125 26.5 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

