

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098710.D
 Acq On : 22 Sep 2017 21:45
 Operator : SJ/JU
 Sample : I5331-07 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-092017-C

Quant Time: Sep 23 01:31:04 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 10:38:37 2017
 Response via : Initial Calibration

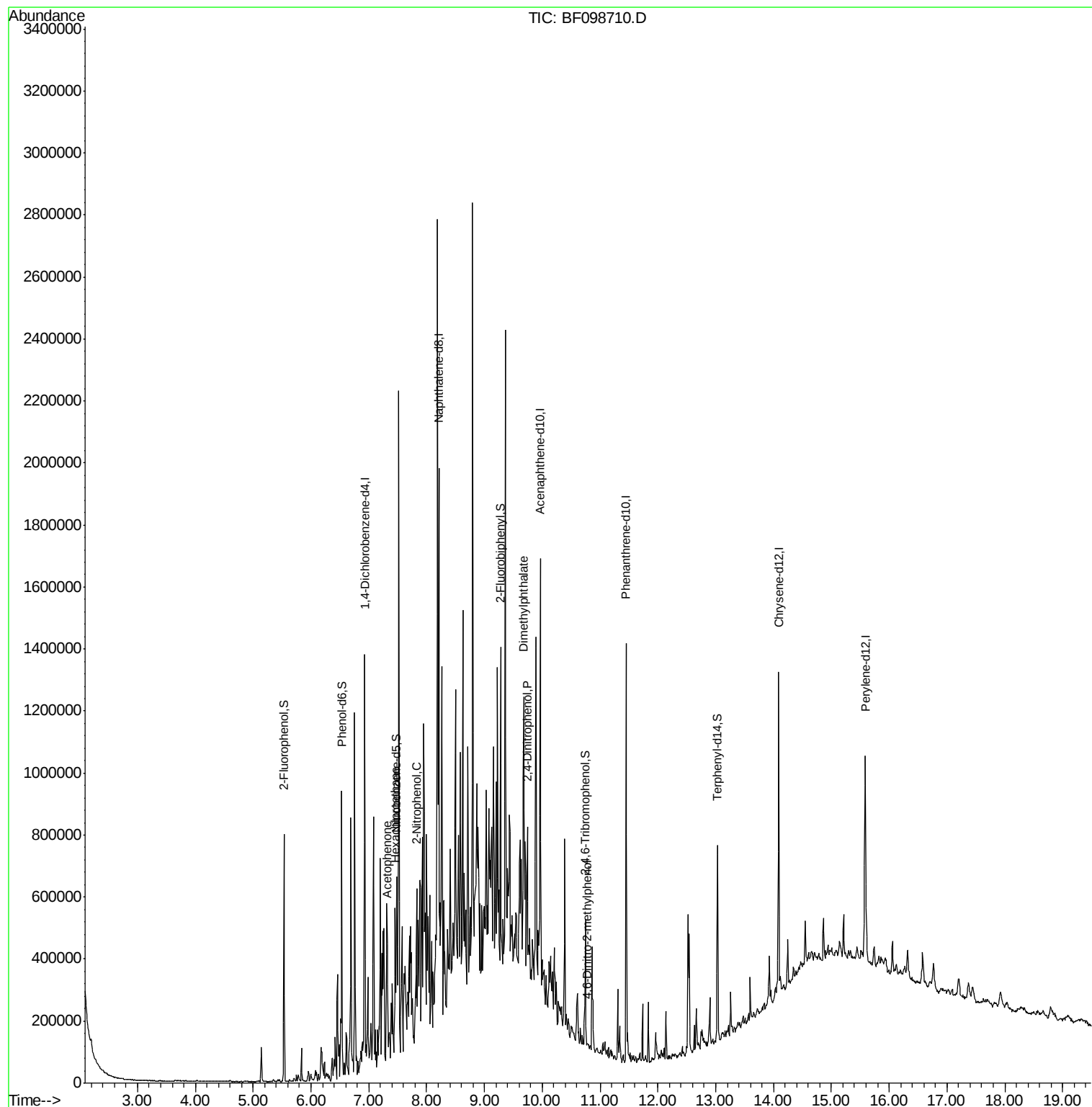
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	159203	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	649922	20.00	ng	0.00
38) Acenaphthene-d10	9.97	164	280636	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	409442	20.00	ng	0.00
75) Chrysene-d12	14.09	240	349884	20.00	ng	0.00
86) Perylene-d12	15.59	264	303994	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	197700	18.86	ng	0.00
7) Phenol-d6	6.53	99	237458	18.70	ng	-0.01
23) Nitrobenzene-d5	7.48	82	137263	14.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	40947	15.95	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	266905	15.13	ng	0.00
78) Terphenyl-d14	13.03	244	191463	11.75	ng	0.00
Target Compounds						
18) Hexachloroethane	7.46	117	17055	4.07	ng	# 1
22) Acetophenone	7.32	105	76913	4.78	ng	# 59
26) 2-Nitrophenol	7.82	139	1345	6.00	ng	# 1
49) Dimethylphthalate	9.67	163	43446	2.06	ng	# 94
53) 2,4-Dinitrophenol	9.74	184	226	6.16	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.79	198	124	9.00	ng	# 1

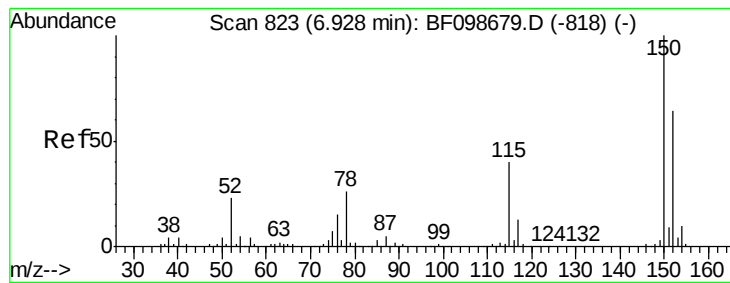
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 22 10:38:37 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-C

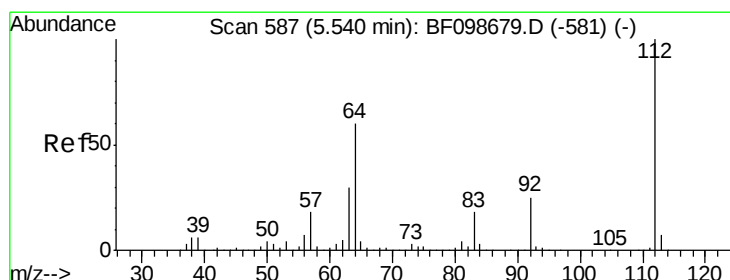
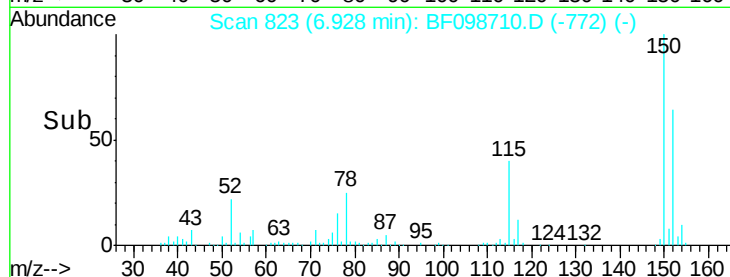
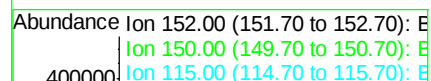
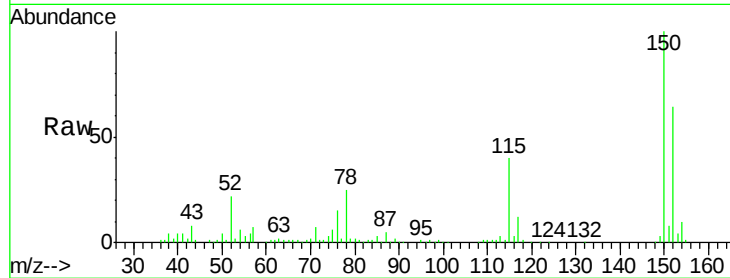
Tot Ion:152 Resp: 159203

Ion Ratio Lower Upper

152 100

150 156.4 124.6 186.8

115 63.0 50.1 75.1



#5

2-Fluorophenol

Concen: 18.86 ng

RT: 5.53 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

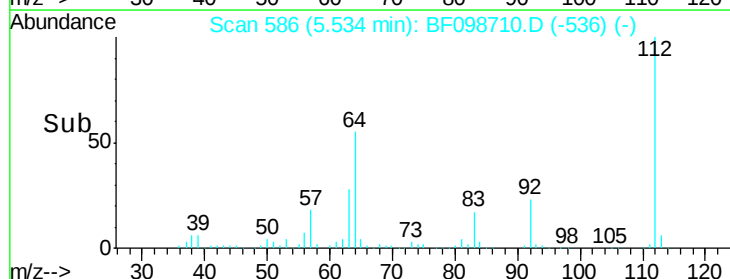
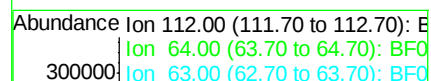
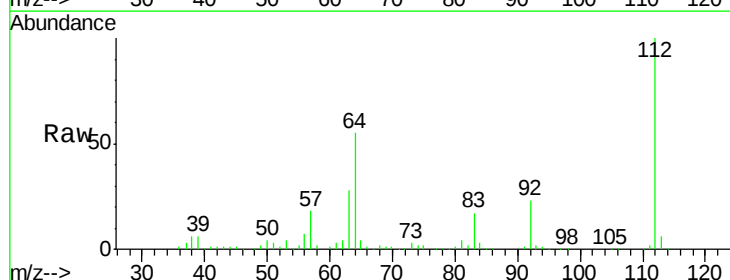
Tgt Ion:112 Resp: 197700

Ion Ratio Lower Upper

112 100

64 55.5 47.9 71.9

63 28.3 23.7 35.5





#7

Phenol-d6

Concen: 18.70 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-C

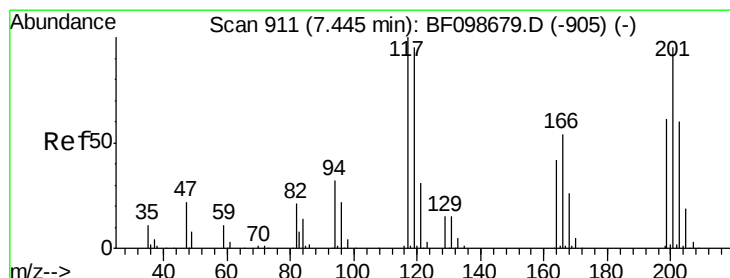
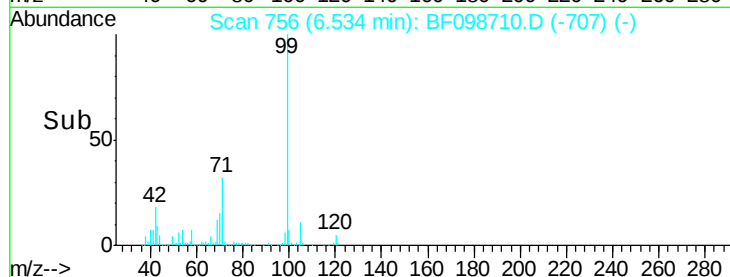
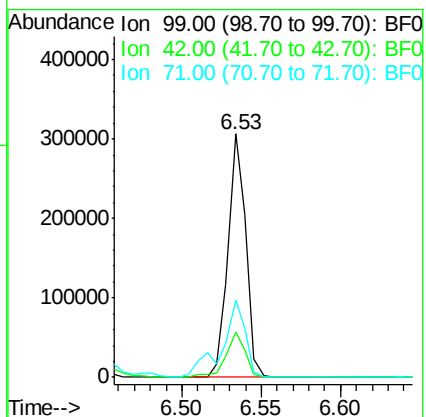
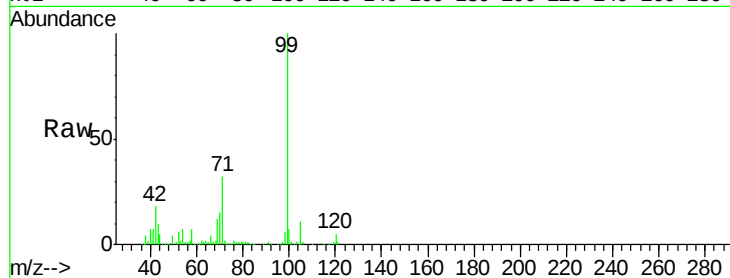
Tot Ion: 99 Resp: 237458

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

71 31.9 25.4 38.0



#18

Hexachloroethane

Concen: 4.07 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.01 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

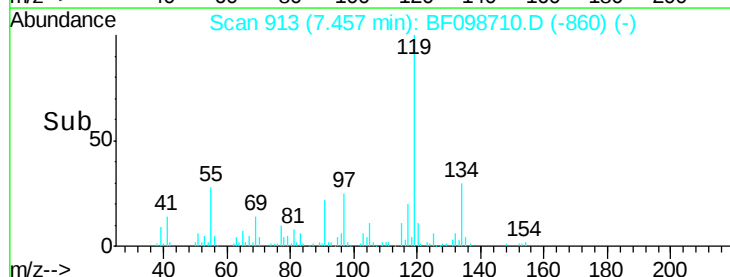
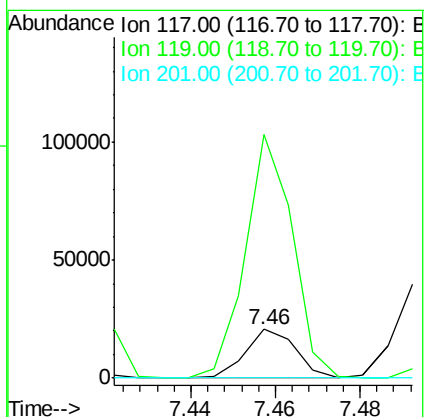
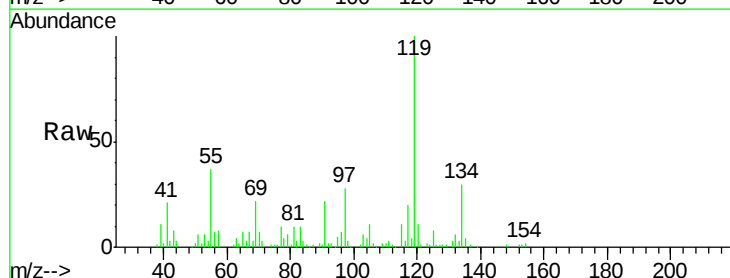
Tgt Ion: 117 Resp: 17055

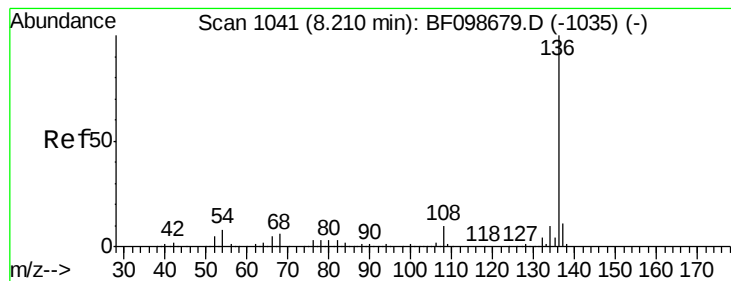
Ion Ratio Lower Upper

117 100

119 500.5 75.8 113.8#

201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-C

Tot Ion:136 Resp: 649922

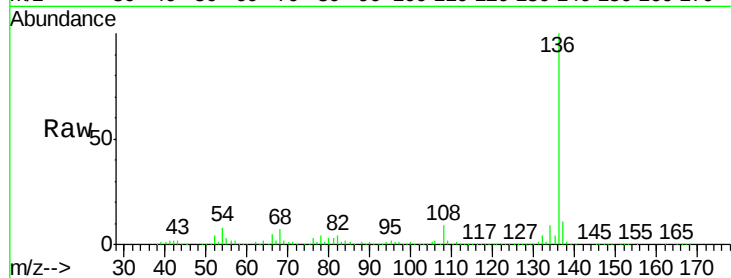
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.4 6.6 9.8

68 6.9 5.0 7.4

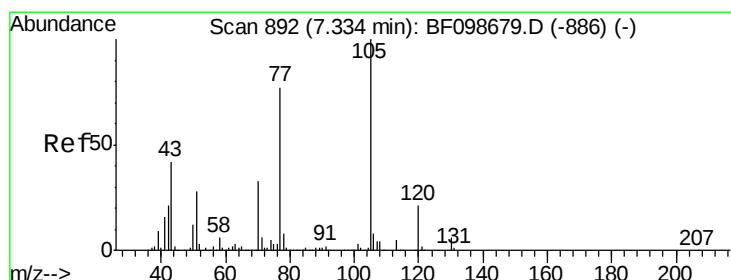
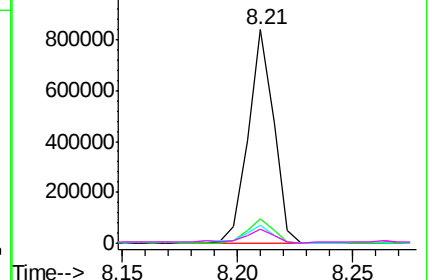
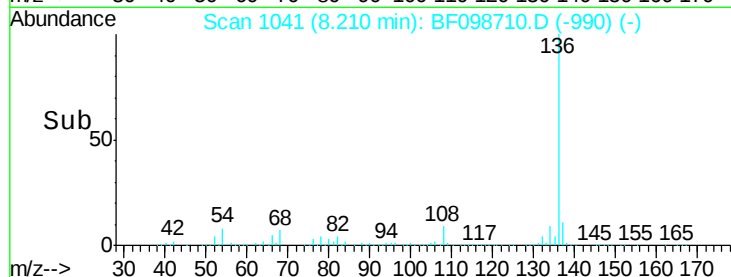


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 4.78 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

Tgt Ion:105 Resp: 76913

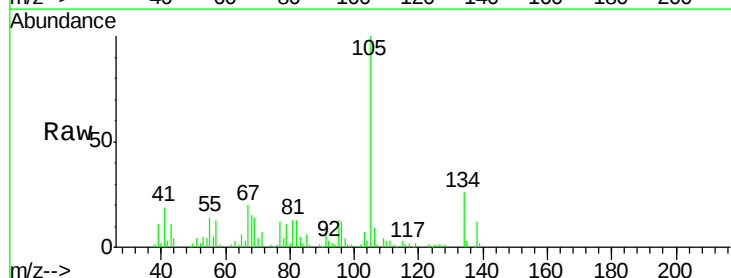
Ion Ratio Lower Upper

105 100

71 7.3 4.4 6.6#

51 4.0 22.3 33.5#

120 0.0 16.9 25.3#

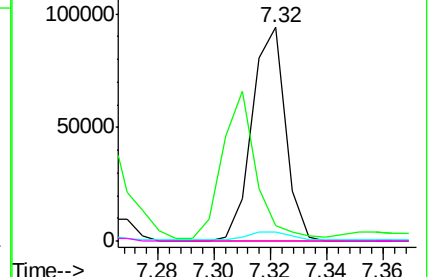
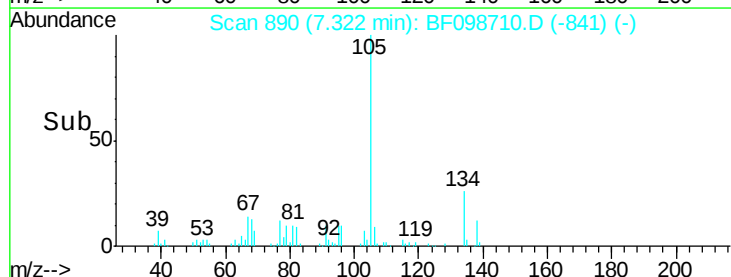


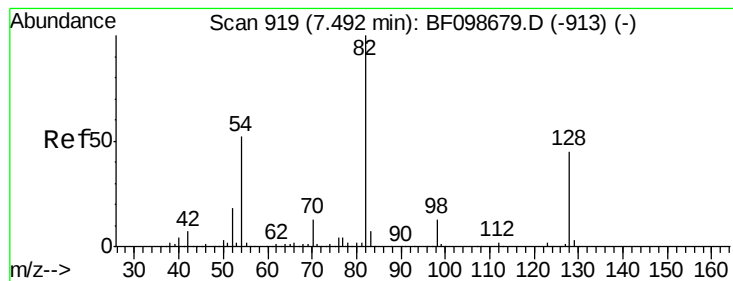
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 14.33 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-C

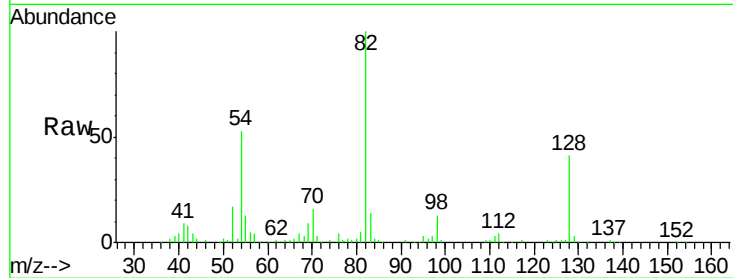
Tot Ion: 82 Resp: 137263

Ion Ratio Lower Upper

82 100

128 41.5 36.1 54.1

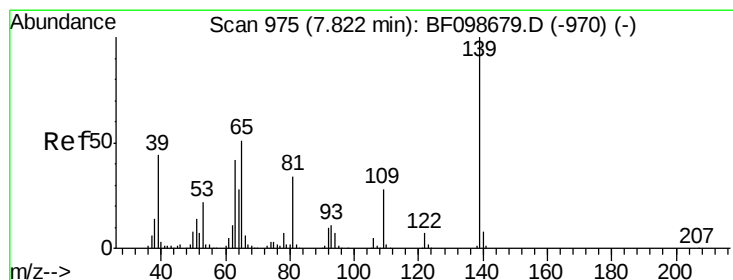
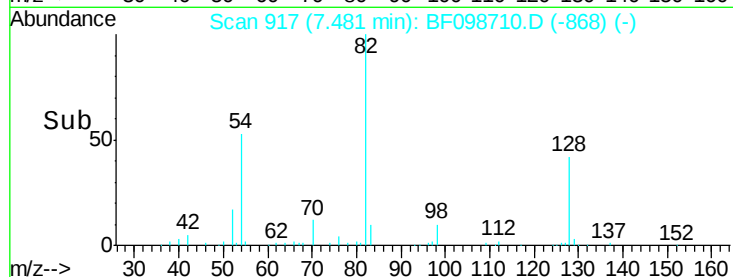
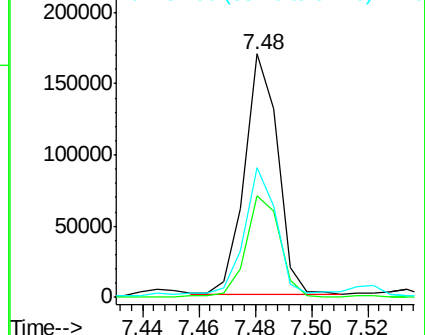
54 53.1 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#26

2-Nitrophenol

Concen: 6.00 ng

RT: 7.82 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

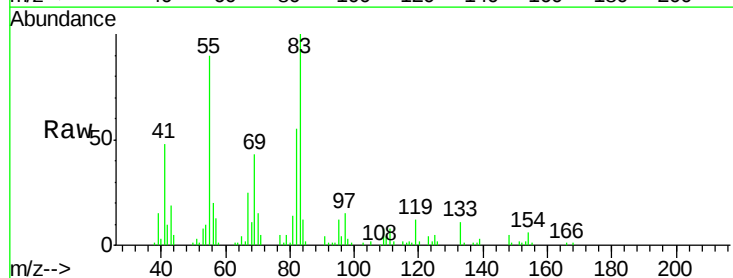
Tgt Ion: 139 Resp: 1345

Ion Ratio Lower Upper

139 100

109 274.5 22.7 34.1#

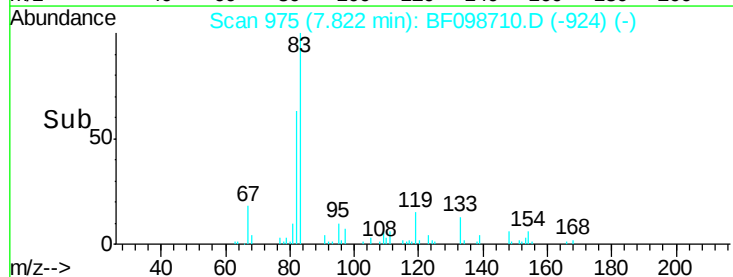
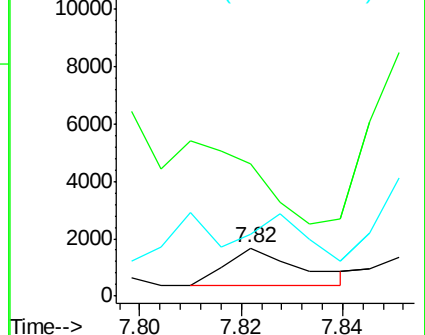
65 127.6 40.5 60.7#

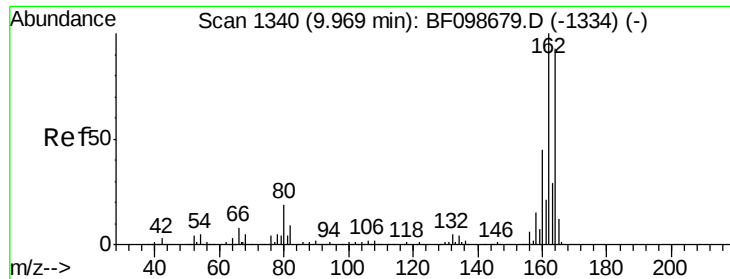


Abundance Ion 139.00 (138.70 to 139.70): BF0

Ion 109.00 (108.70 to 109.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

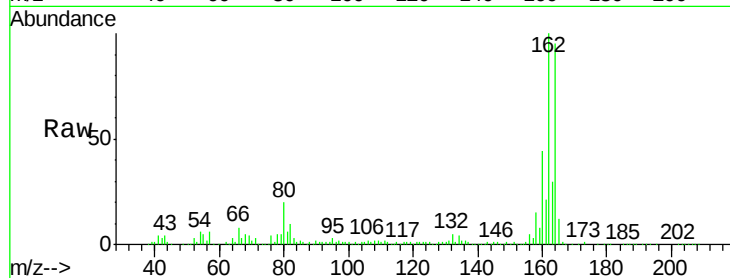




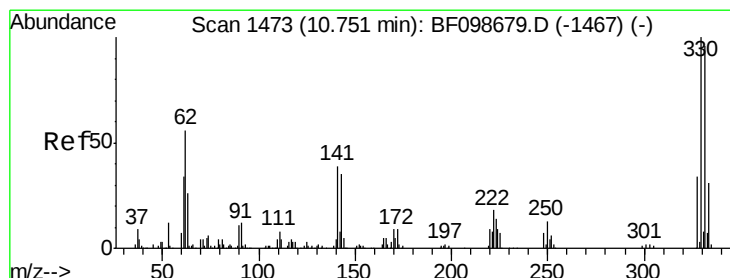
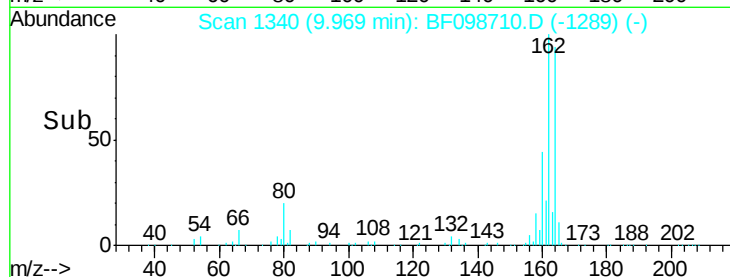
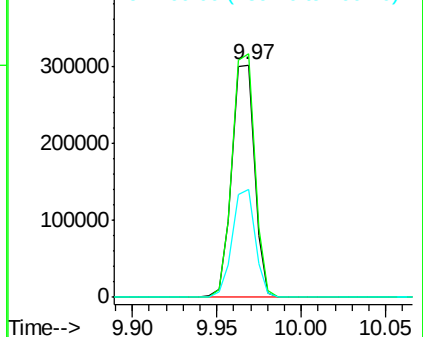
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: BF098710.D
 Acq: 22 Sep 2017 21:45

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-092017-C

Tot Ion:164 Resp: 280636
 Ion Ratio Lower Upper
 164 100
 162 104.9 86.1 129.1
 160 46.4 38.3 57.5

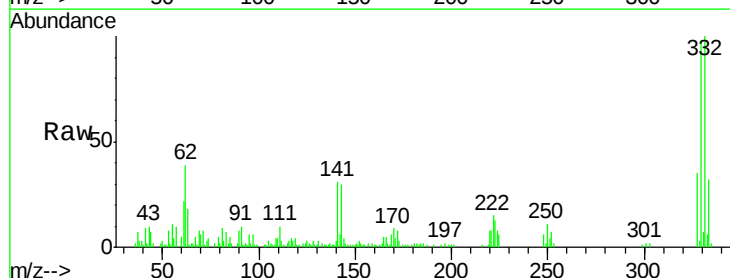


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

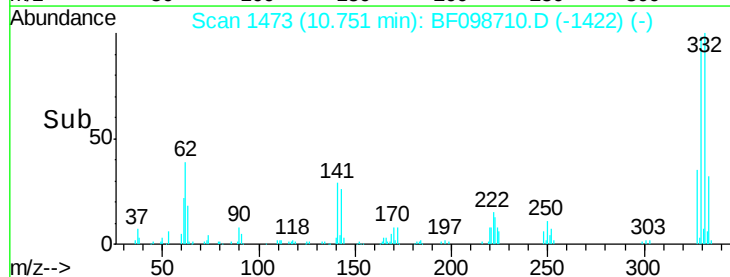
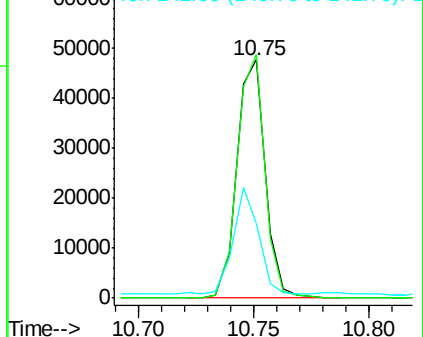


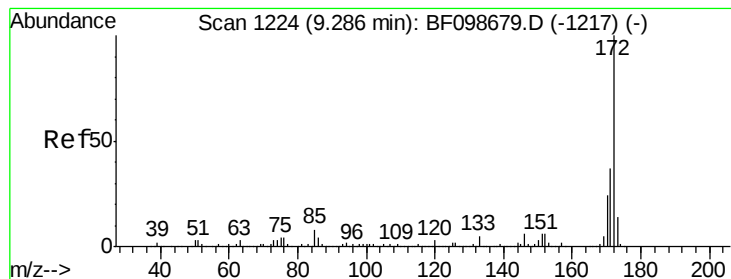
#41
 2,4,6-Tribromophenol
 Concen: 15.95 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: BF098710.D
 Acq: 22 Sep 2017 21:45

Tgt Ion:330 Resp: 40947
 Ion Ratio Lower Upper
 330 100
 332 99.6 77.0 115.6
 141 40.8 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: 15.13 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-C

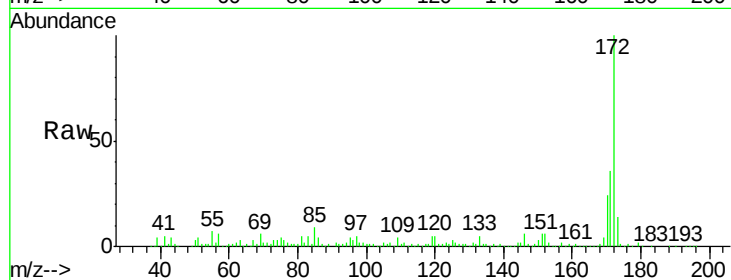
Tot Ion:172 Resp: 266905

Ion Ratio Lower Upper

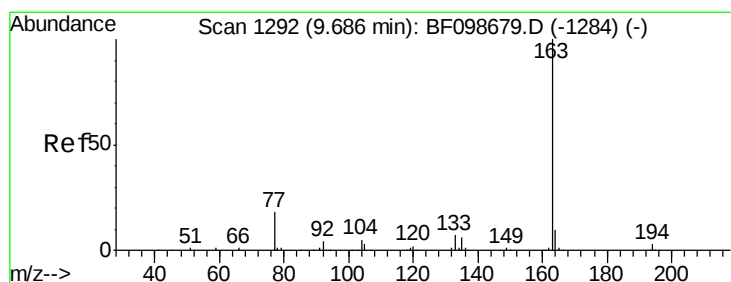
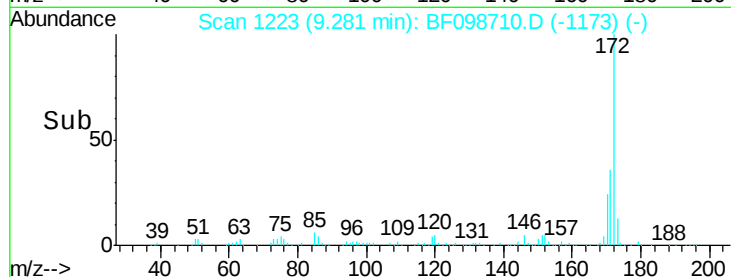
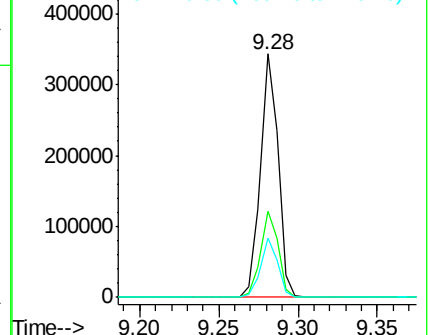
172 100

171 35.5 29.7 44.5

170 24.1 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: 2.06 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

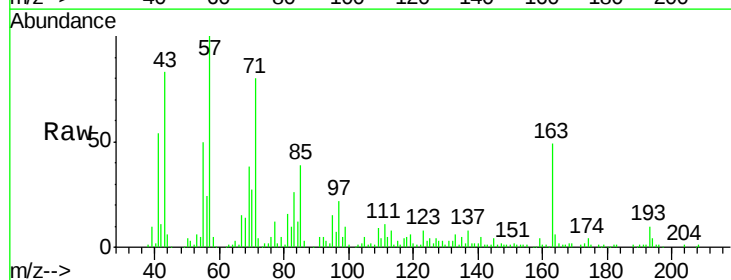
Tgt Ion:163 Resp: 43446

Ion Ratio Lower Upper

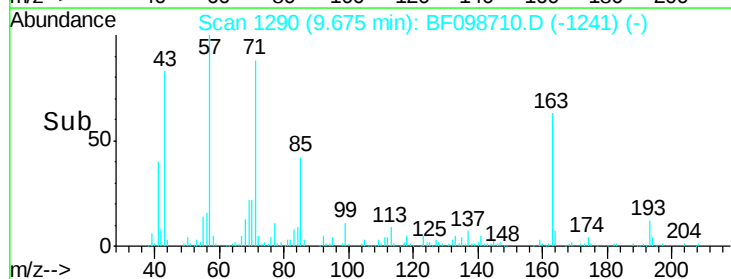
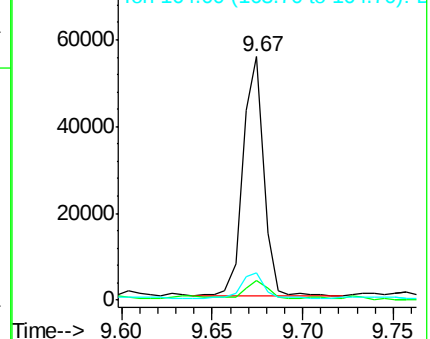
163 100

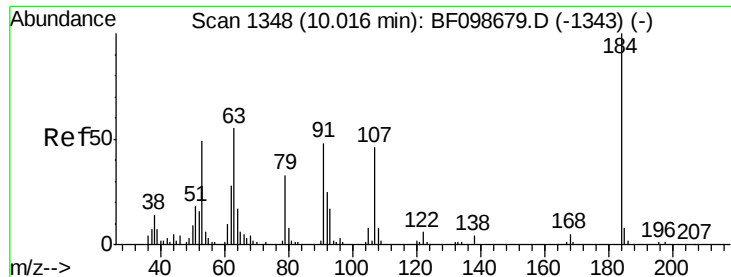
194 8.1 2.7 4.1#

164 11.3 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

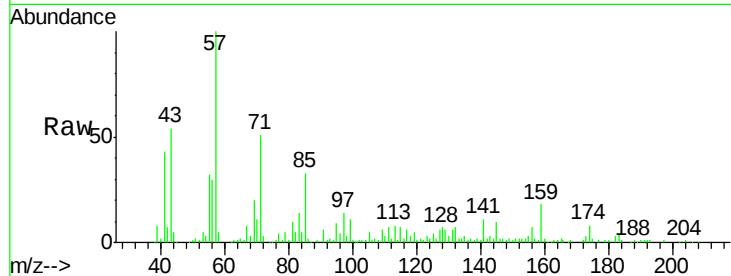




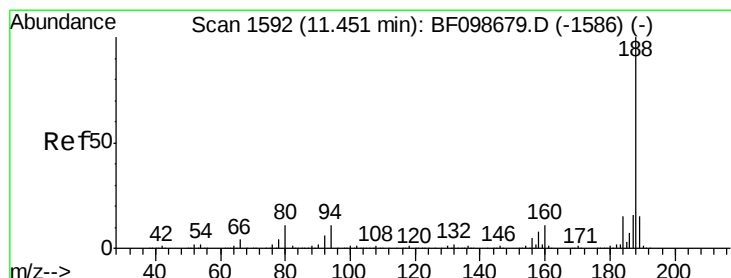
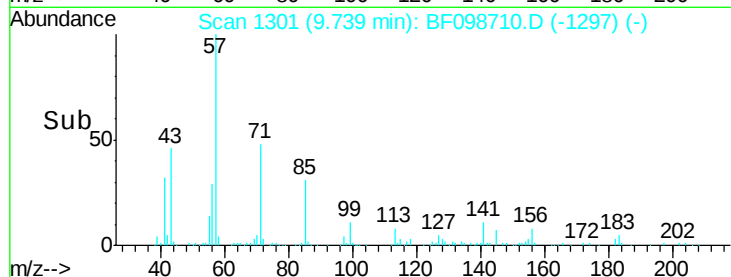
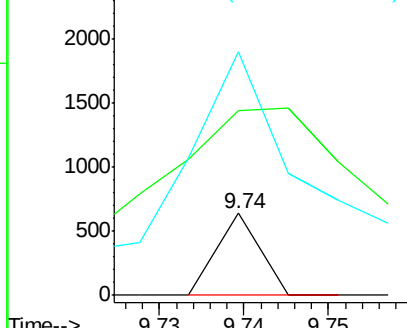
#53
 2,4-Dinitrophenol
 Concen: 6.16 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.28 min
 Lab File: BF098710.D
 Acq: 22 Sep 2017 21:45

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-092017-C

Tot Ion:184 Resp: 226
 Ion Ratio Lower Upper
 184 100
 63 225.7 54.2 81.2#
 154 297.3 53.5 80.3#

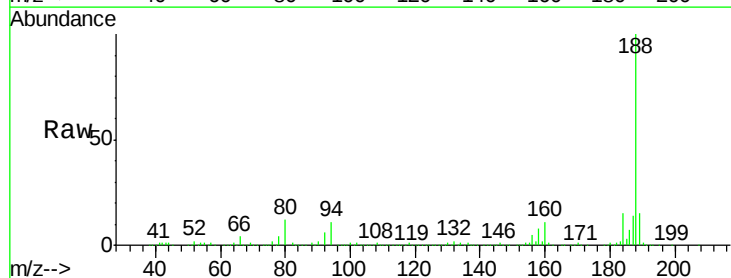


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

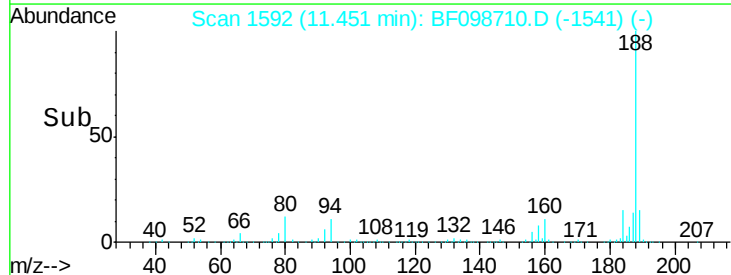
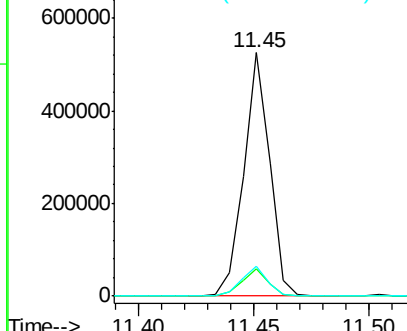


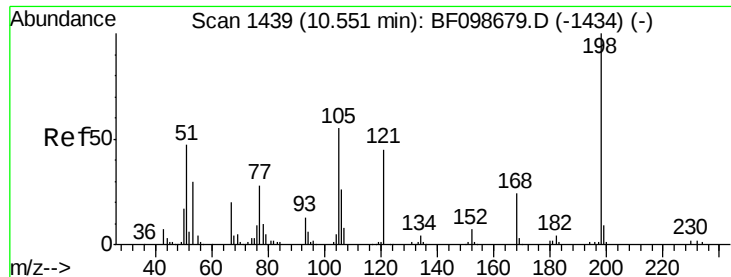
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF098710.D
 Acq: 22 Sep 2017 21:45

Tgt Ion:188 Resp: 409442
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 12.2 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

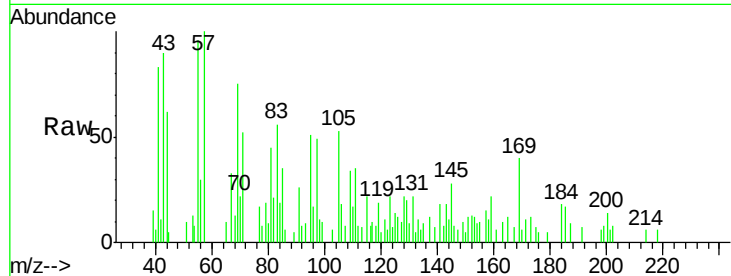




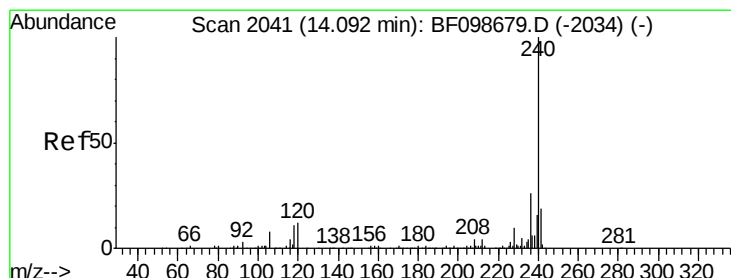
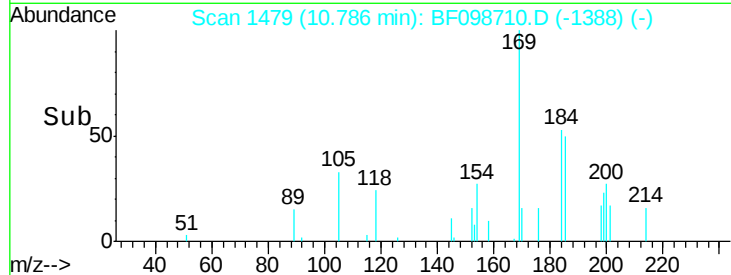
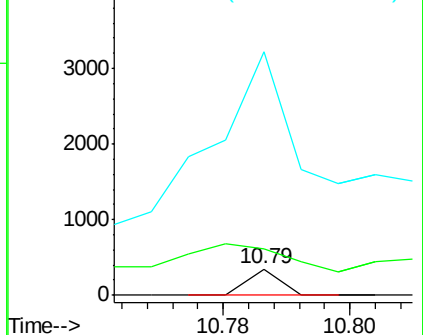
#64
4,6-Dinitro-2-methylphenol
Concen: 9.00 ng
RT: 10.79 min Scan# 1479
Delta R.T. 0.24 min
Lab File: BF098710.D
Acq: 22 Sep 2017 21:45

Instrument :
BNA_F
ClientSampleId :
HR-05-092017-C

Tot Ion:198 Resp: 124
Ion Ratio Lower Upper
198 100
51 175.6 37.7 77.7#
105 914.8 36.3 76.3#

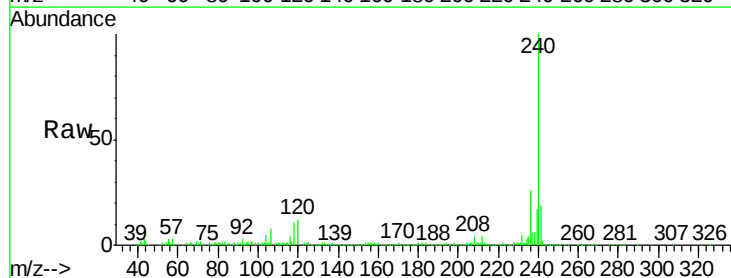


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

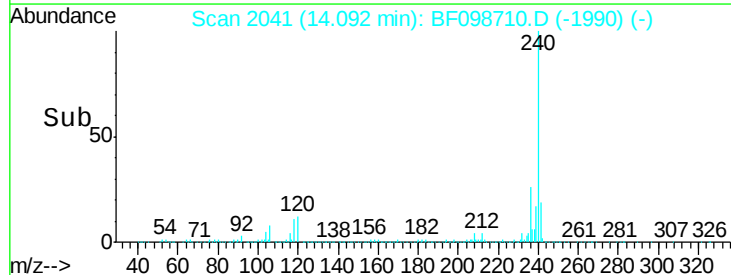
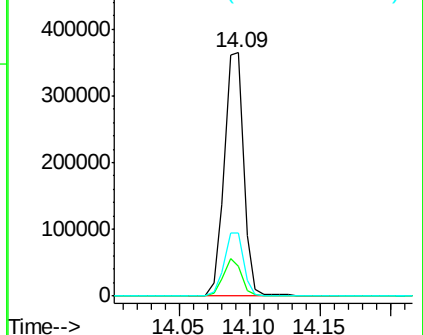


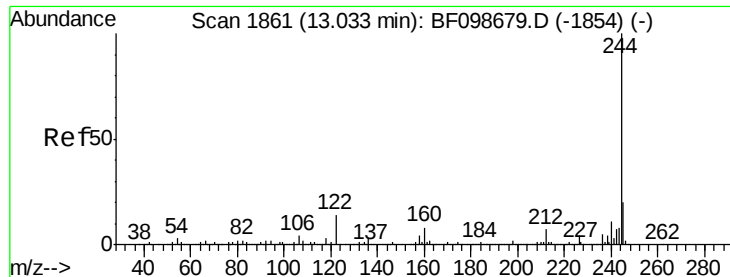
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.00 min
Lab File: BF098710.D
Acq: 22 Sep 2017 21:45

Tgt Ion:240 Resp: 349884
Ion Ratio Lower Upper
240 100
120 12.3 9.5 14.3
236 25.7 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





#78

Terphenyl-d14

Concen: 11.75 ng

RT: 13.03 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

Instrument :

BNA_F

ClientSampleId :

HR-05-092017-C

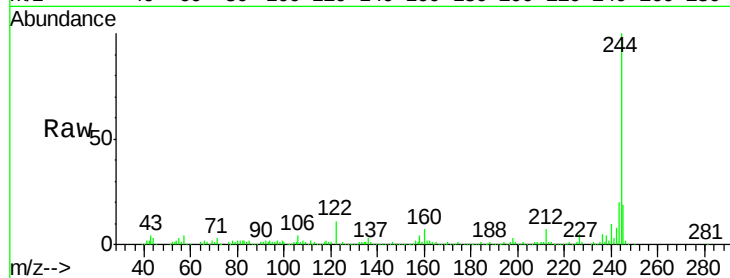
Tot Ion:244 Resp: 191463

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

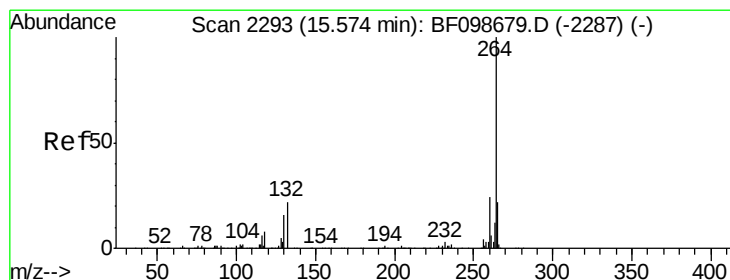
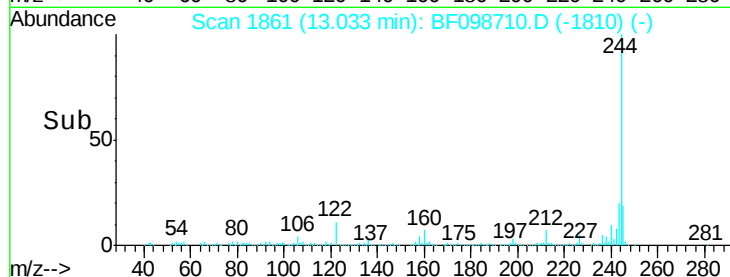
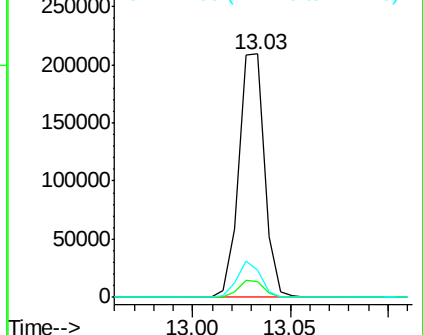
122 11.0 11.0 16.4



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: 20.00 ng

RT: 15.59 min Scan# 2295

Delta R.T. 0.01 min

Lab File: BF098710.D

Acq: 22 Sep 2017 21:45

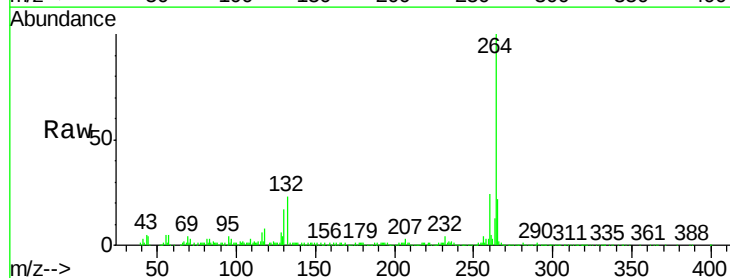
Tgt Ion:264 Resp: 303994

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.3 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

