

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
 Data File : BF115064.D
 Acq On : 15 Jun 2019 2:09
 Operator : HP/JU
 Sample : K3294-01RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 15 04:57:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

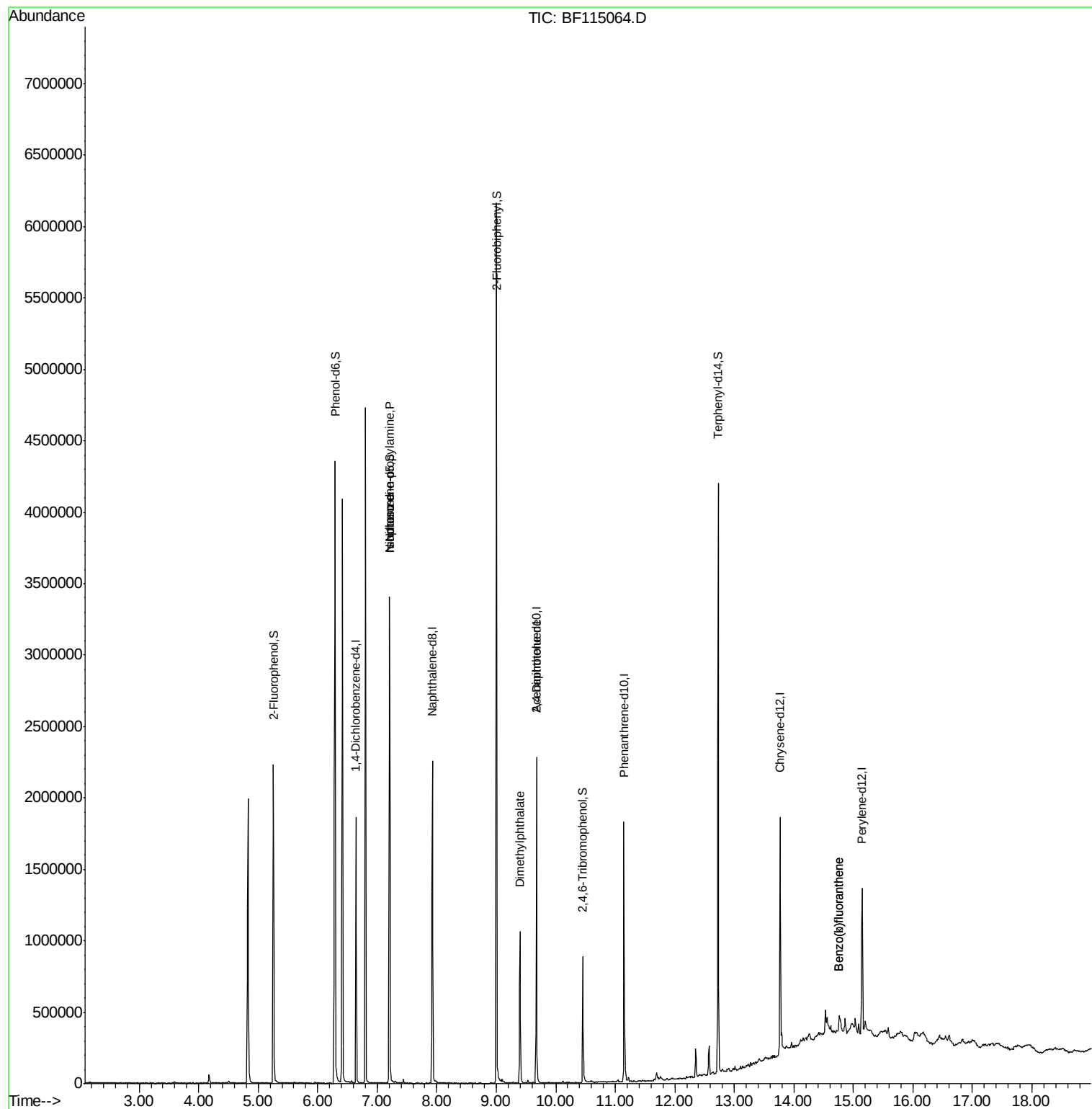
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	261084	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	971272	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	434221	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	706674	20.00	ng	-0.01
76) Chrysene-d12	13.77	240	500245	20.00	ng	-0.01
87) Perylene-d12	15.14	264	455060	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	674780	43.16	ng	0.00
7) Phenol-d6	6.29	99	1770480	93.87	ng	0.00
23) Nitrobenzene-d5	7.21	82	1133115	70.22	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	112810	24.26	ng	-0.01
45) 2-Fluorobiphenyl	9.00	172	1907452	74.45	ng	0.00
79) Terphenyl-d14	12.73	244	1442621	54.24	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.19	77	1984	Below Cal		87
19) n-Nitroso-di-n-propylamine	7.21	70	148308	12.942 ng	#	76
25) Isophorone	7.21	82	1116085	36.930 ng	#	62
50) Dimethylphthalate	9.40	163	440438	13.488 ng		98
57) 2,4-Dinitrotoluene	9.67	165	55084	5.843 ng	#	29
58) Fluorene	10.22	166	1658	Below Cal	#	94
88) Benzo(b)fluoranthene	14.77	252	71694	2.370 ng	#	93
89) Benzo(k)fluoranthene	14.77	252	71694	2.700 ng	#	92

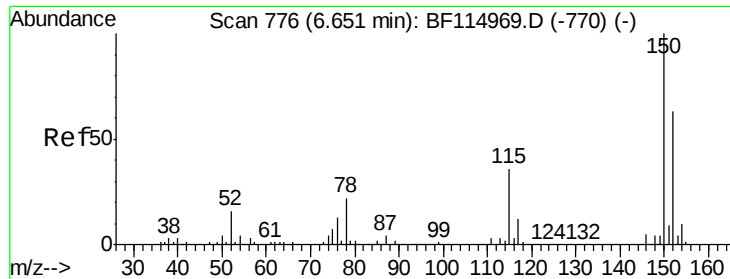
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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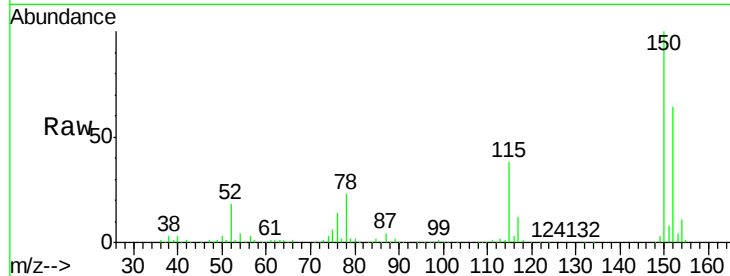


#1

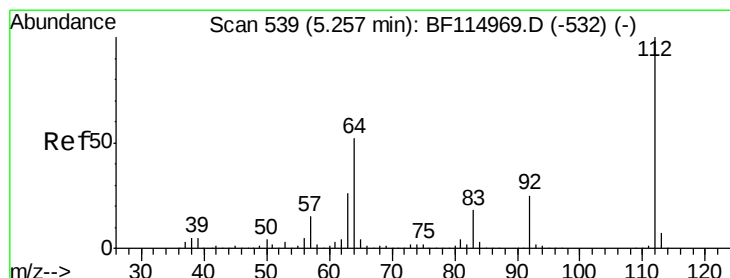
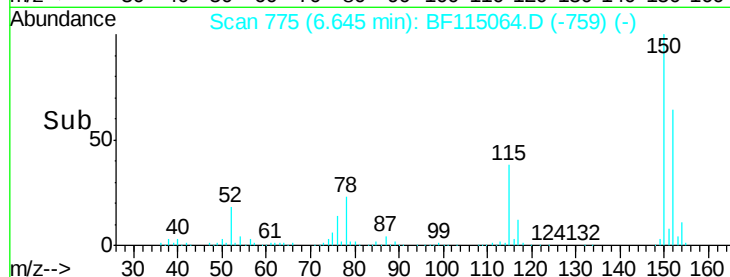
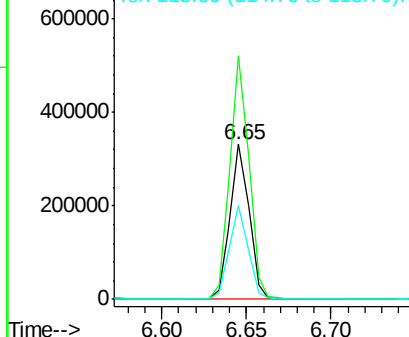
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF115064.D
Acq: 15 Jun 2019 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.4	191.0
115	60.3	46.0	69.0



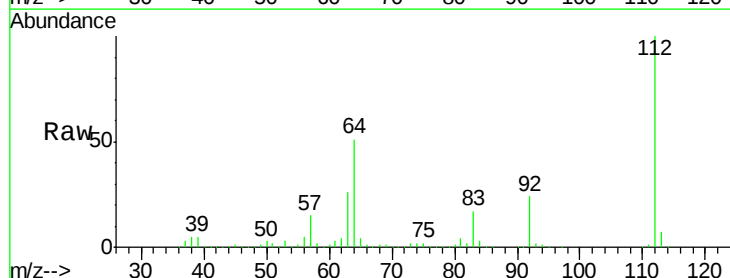
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



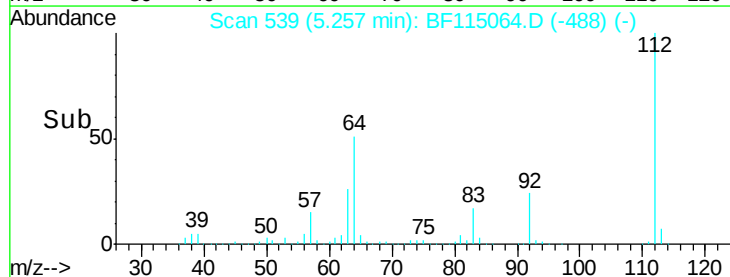
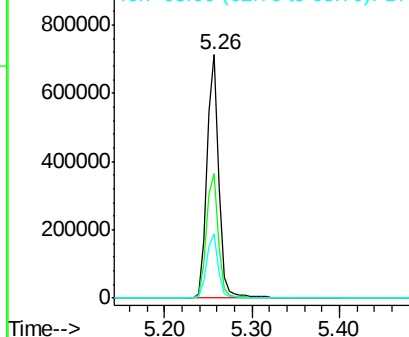
#5

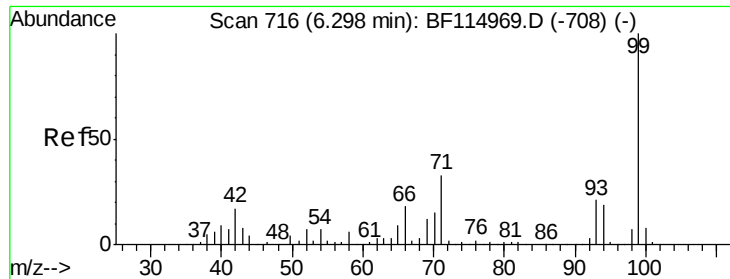
2-Fluorophenol
Concen: 43.156 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.00 min
Lab File: BF115064.D
Acq: 15 Jun 2019 2:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	41.6	62.4
63	26.2	20.9	31.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.869 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF115064.D

Acq: 15 Jun 2019 2:09

Instrument :

BNA_F

ClientSampleId :

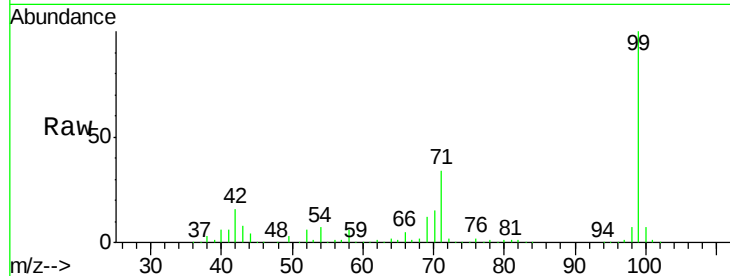
Tot Ion: 99 Resp: 1770480

Ion Ratio Lower Upper

99 100

42 16.3 13.4 20.2

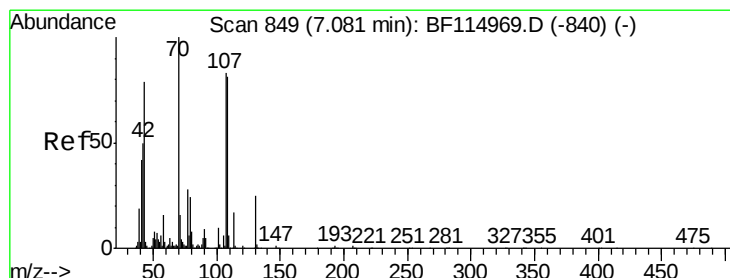
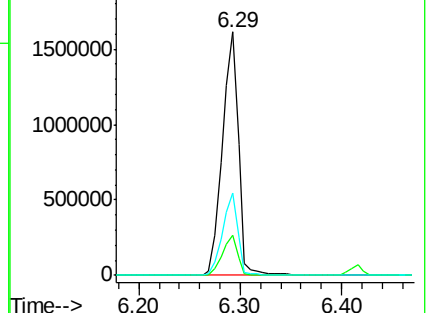
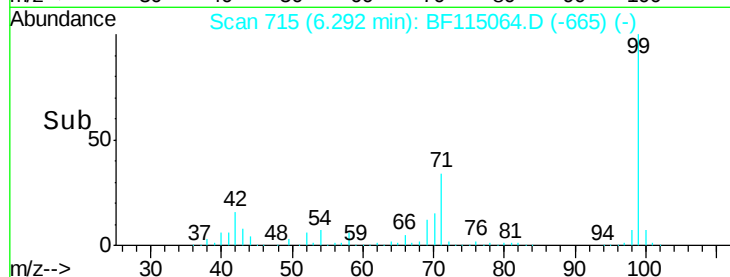
71 33.9 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.942 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.13 min

Lab File: BF115064.D

Acq: 15 Jun 2019 2:09

Tgt Ion: 70 Resp: 148308

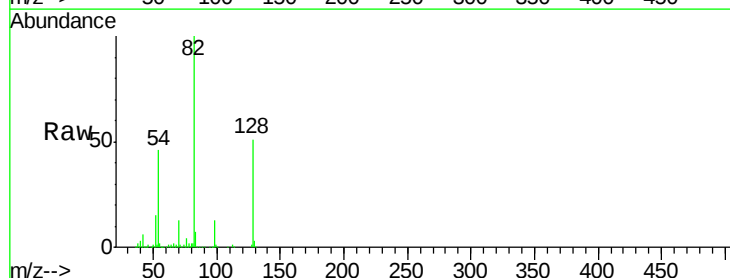
Ion Ratio Lower Upper

70 100

42 42.1 40.3 60.5

101 0.0 8.2 12.4#

130 2.4 20.3 30.5#

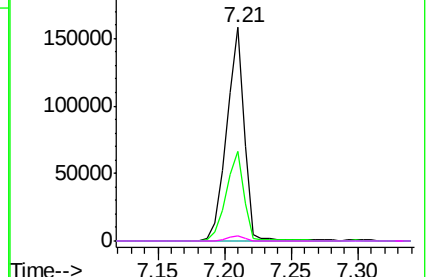
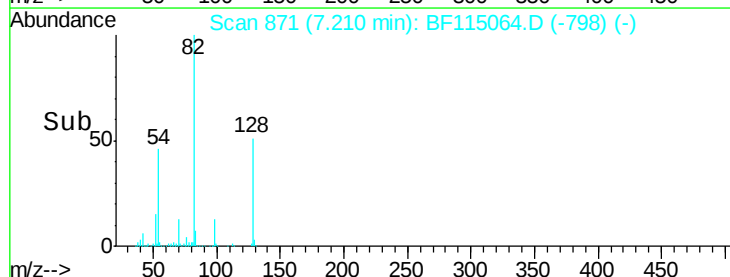


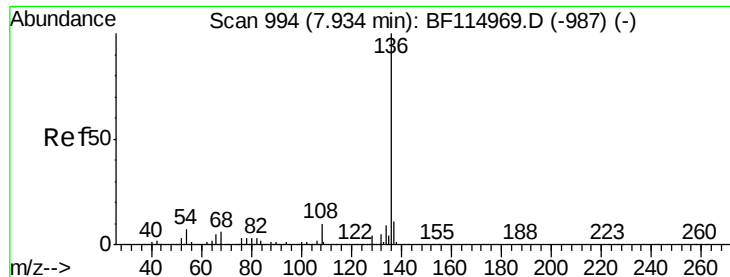
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF115064.D

Acq: 15 Jun 2019 2:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 971272

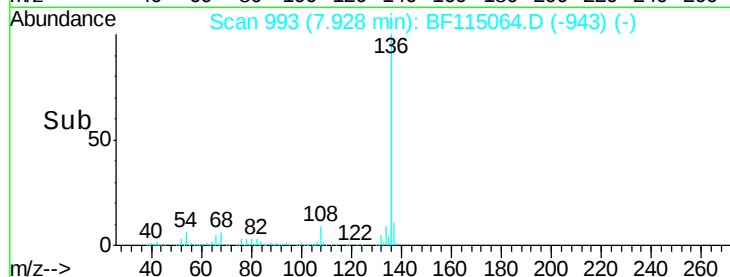
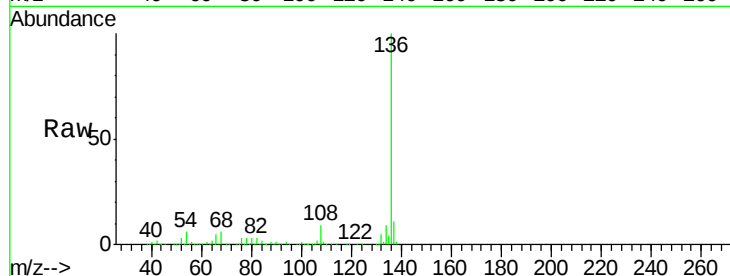
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 6.4 5.4 8.0

68 5.6 4.6 7.0

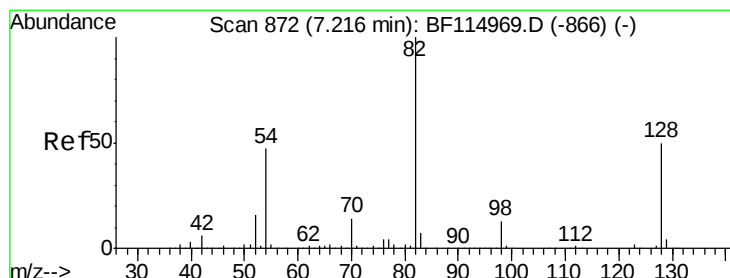
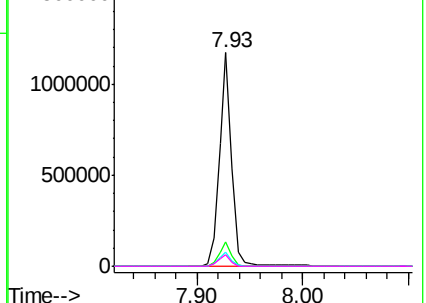


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 70.222 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF115064.D

Acq: 15 Jun 2019 2:09

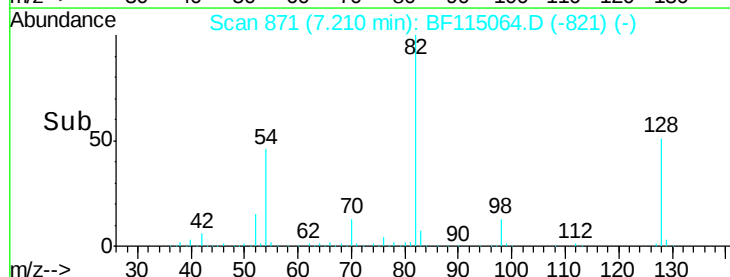
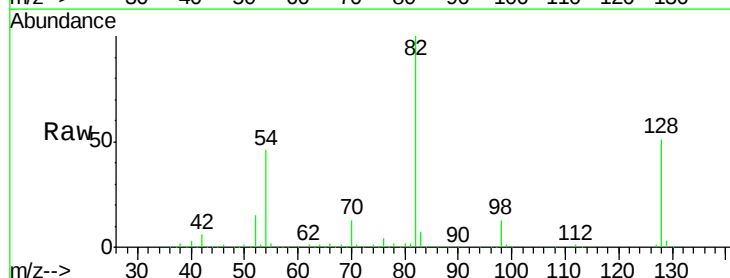
Tgt Ion: 82 Resp: 1133115

Ion Ratio Lower Upper

82 100

128 50.5 39.9 59.9

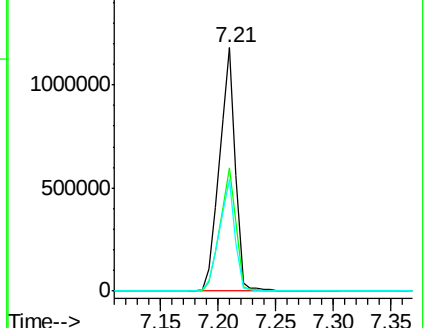
54 45.7 37.3 55.9

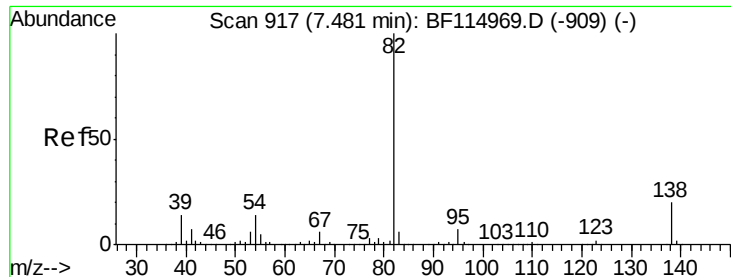


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.930 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.27 min

Lab File: BF115064.D

Acq: 15 Jun 2019 2:09

Instrument :

BNA_F

ClientSampleId :

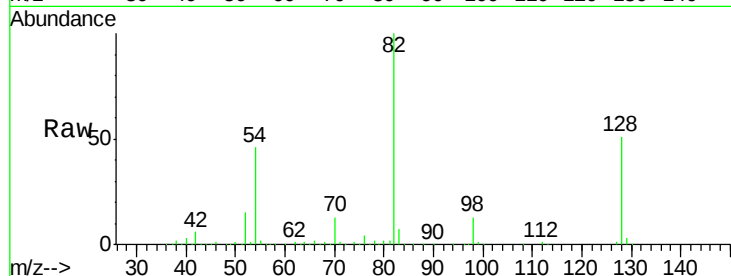
Tot Ion: 82 Resp: 1116085

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

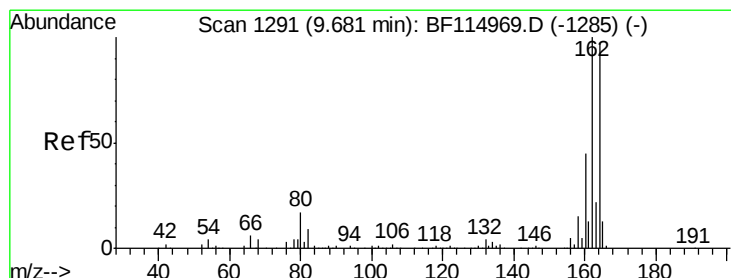
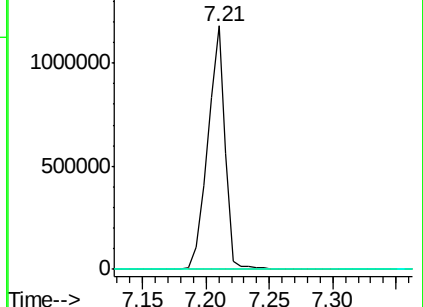
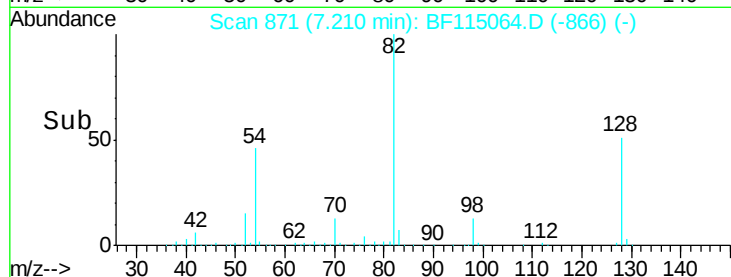
138 0.0 16.1 24.1#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF115064.D

Acq: 15 Jun 2019 2:09

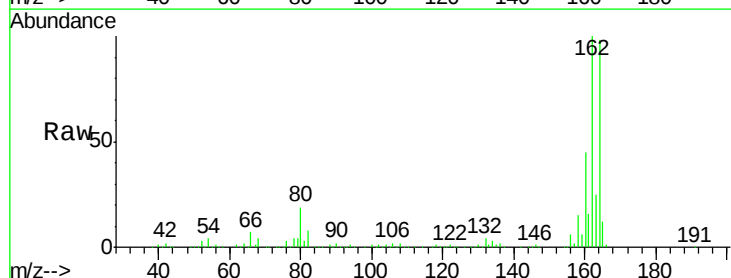
Tgt Ion:164 Resp: 434221

Ion Ratio Lower Upper

164 100

162 102.3 82.6 124.0

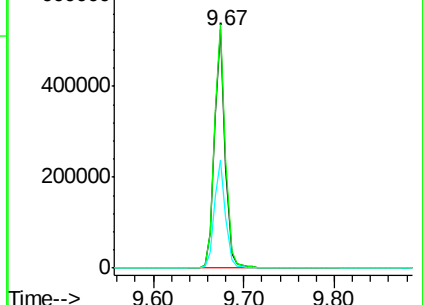
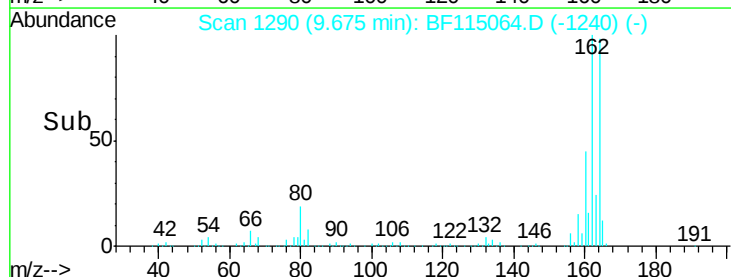
160 45.6 36.9 55.3

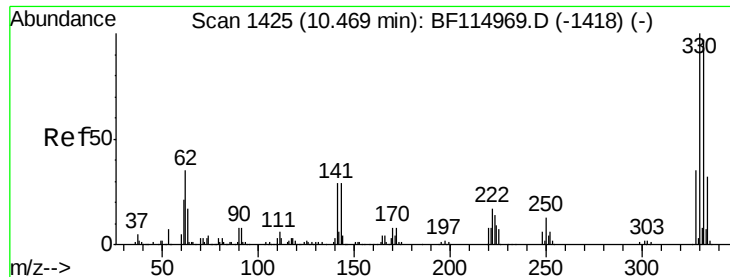


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 24.261 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF115064.D

Acq: 15 Jun 2019 2:09

Instrument :

BNA_F

ClientSampleId :

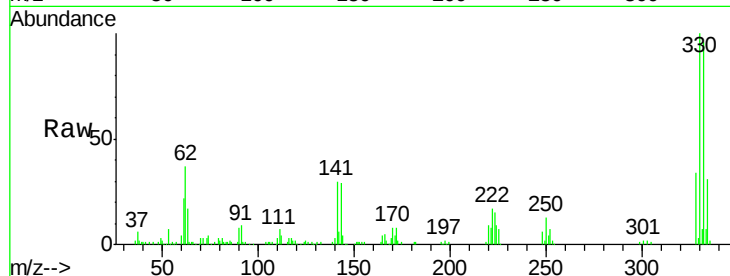
Tot Ion:330 Resp: 112810

Ion Ratio Lower Upper

330 100

332 97.9 77.6 116.4

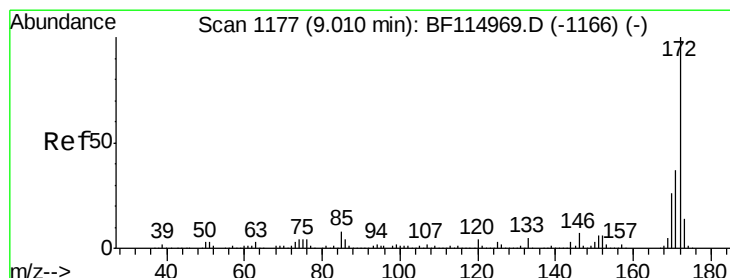
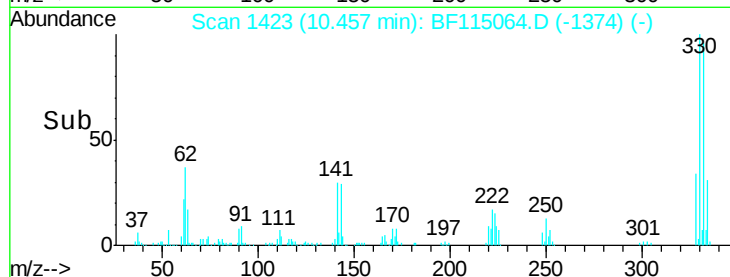
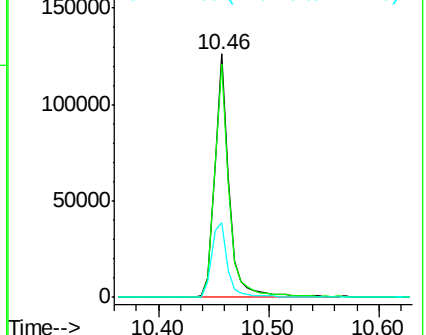
141 34.4 27.2 40.8



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



#45

2-Fluorobiphenyl

Concen: 74.451 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF115064.D

Acq: 15 Jun 2019 2:09

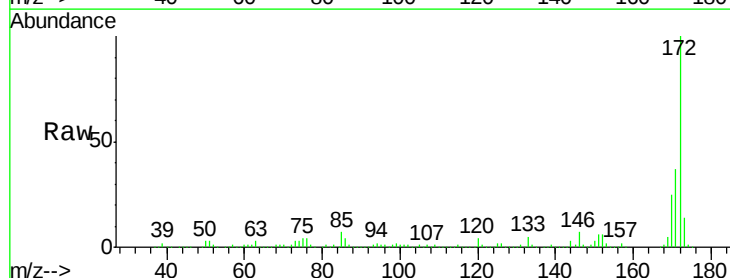
Tgt Ion:172 Resp: 1907452

Ion Ratio Lower Upper

172 100

171 37.3 29.8 44.6

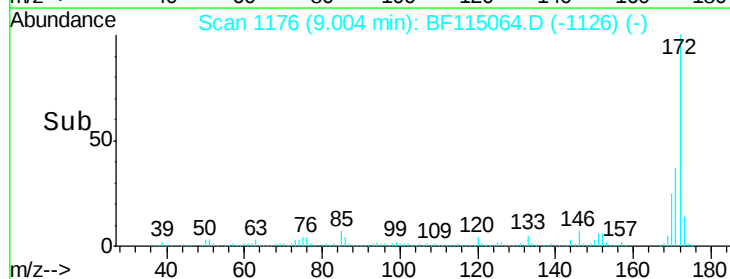
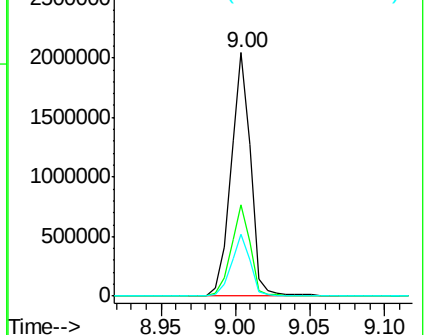
170 25.3 20.6 31.0

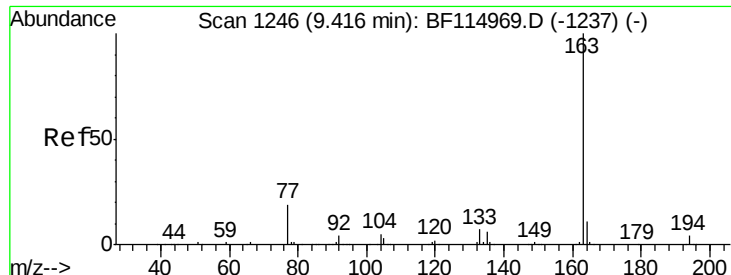


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

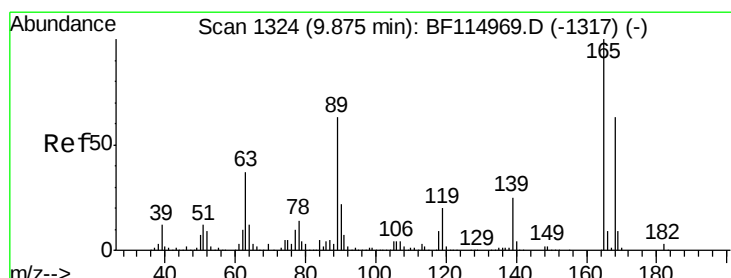
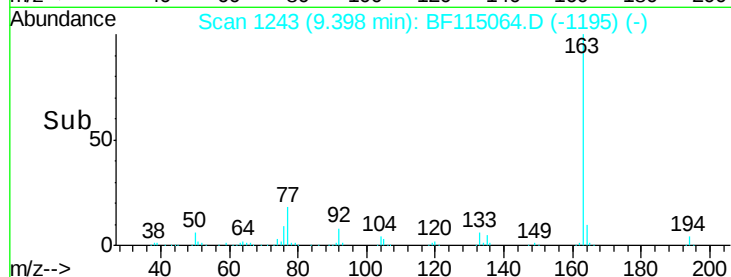
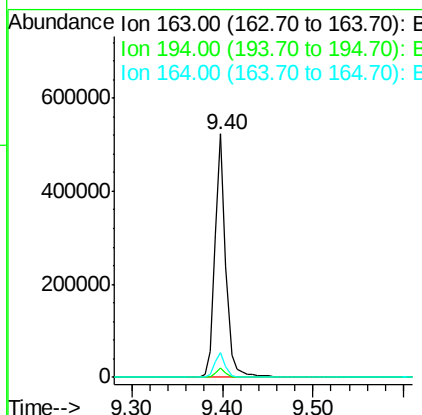
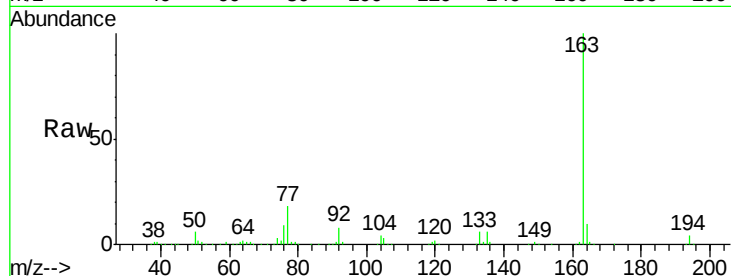




#50
Dimethylphthalate
Concen: 13.488 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BF115064.D
Acq: 15 Jun 2019 2:09

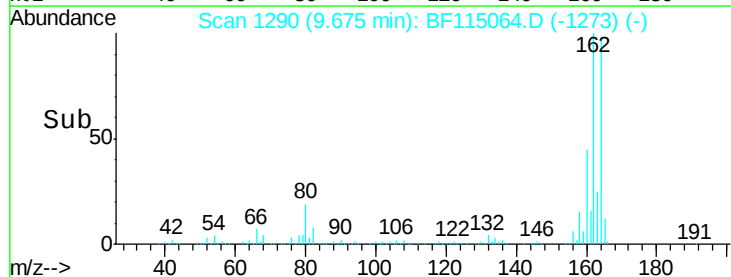
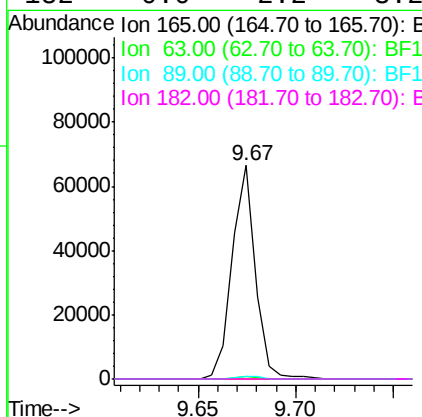
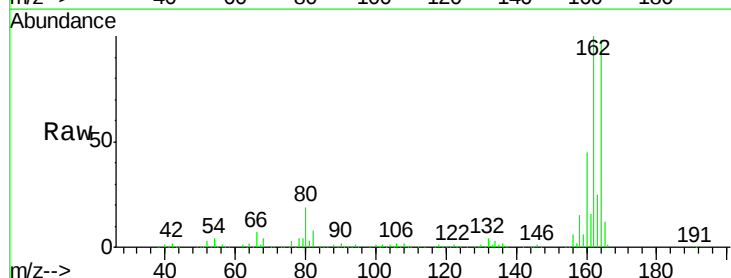
Instrument :
BNA_F
ClientSampleId :

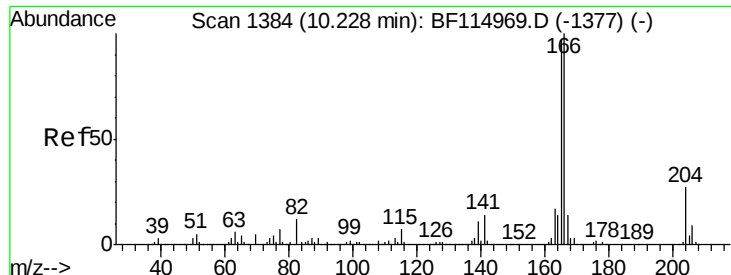
Tot Ion:163 Resp: 440438
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.0 8.6 12.8



#57
2,4-Dinitrotoluene
Concen: 5.843 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.20 min
Lab File: BF115064.D
Acq: 15 Jun 2019 2:09

Tgt Ion:165 Resp: 55084
Ion Ratio Lower Upper
165 100
63 1.1 29.4 44.2#
89 1.1 50.6 75.8#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: Below Cal

RT: 10.22 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF115064.D

Acq: 15 Jun 2019 2:09

Instrument :

BNA_F

ClientSampleId :

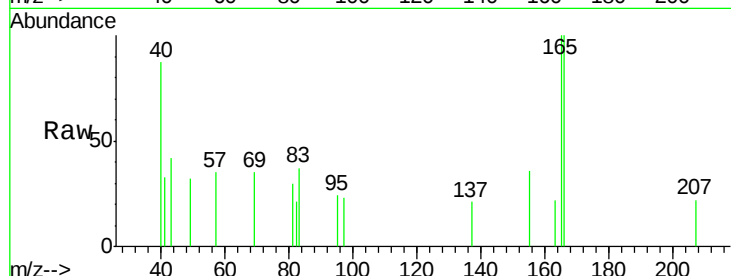
Tot Ion:166 Resp: 1658

Ion Ratio Lower Upper

166 100

165 99.5 77.6 116.4

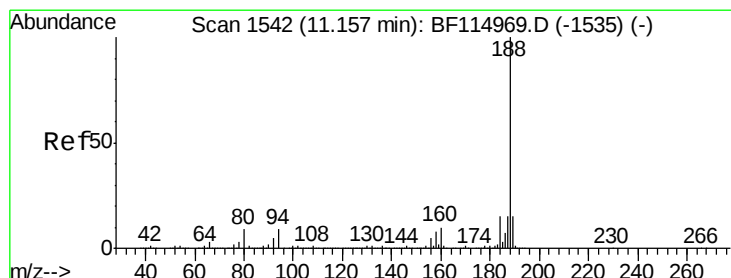
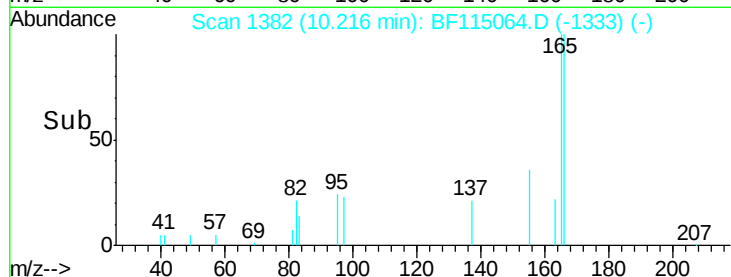
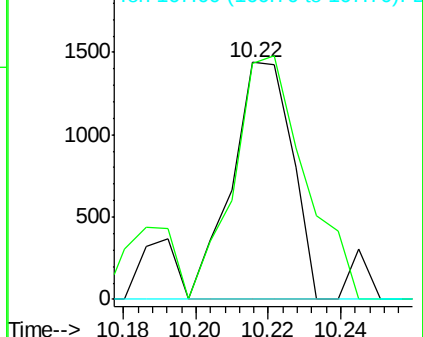
167 0.0 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF115064.D

Acq: 15 Jun 2019 2:09

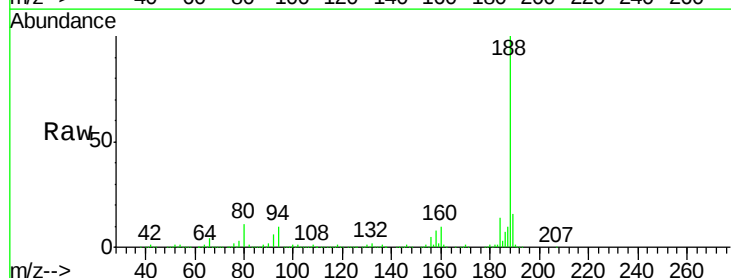
Tgt Ion:188 Resp: 706674

Ion Ratio Lower Upper

188 100

94 9.9 7.2 10.8

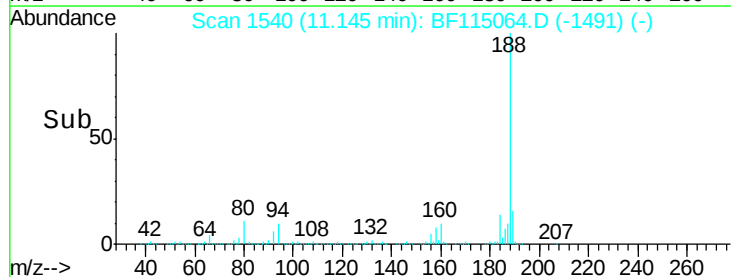
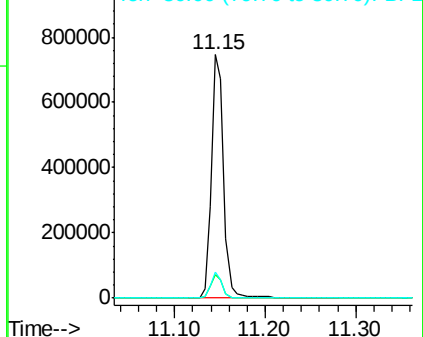
80 10.9 7.4 11.2

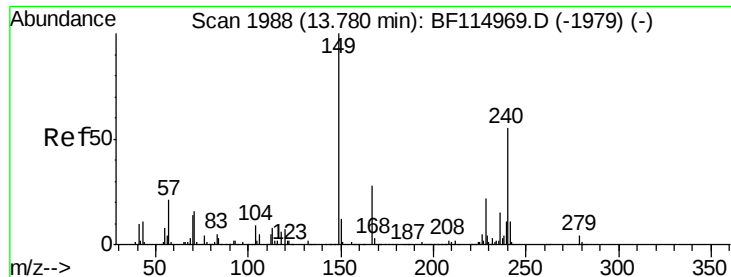


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

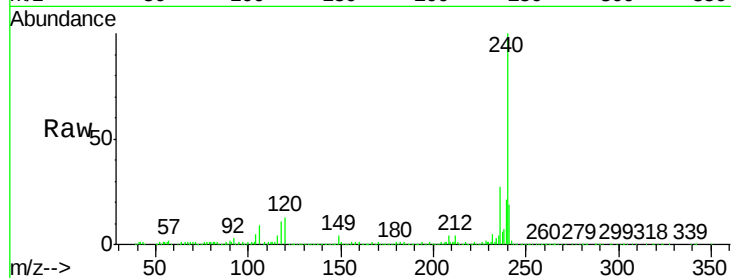




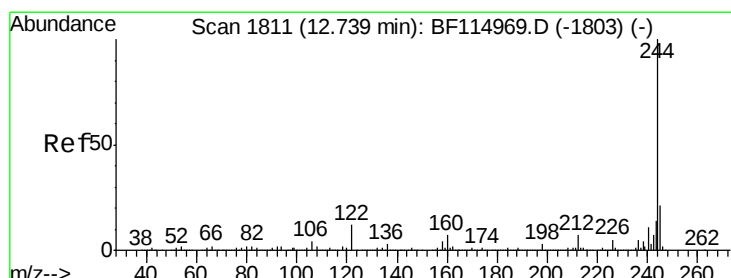
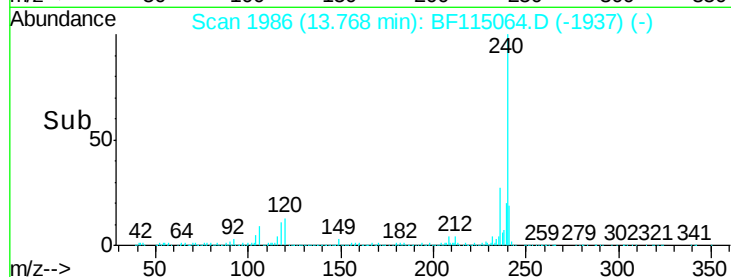
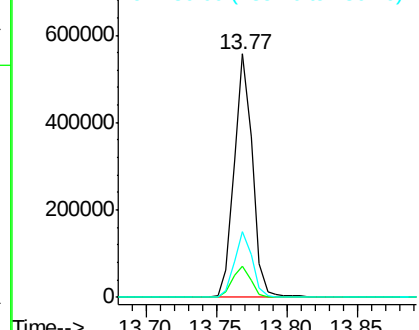
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF115064.D
Acq: 15 Jun 2019 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 500245
Ion Ratio Lower Upper
240 100
120 12.7 10.0 15.0
236 26.8 21.6 32.4

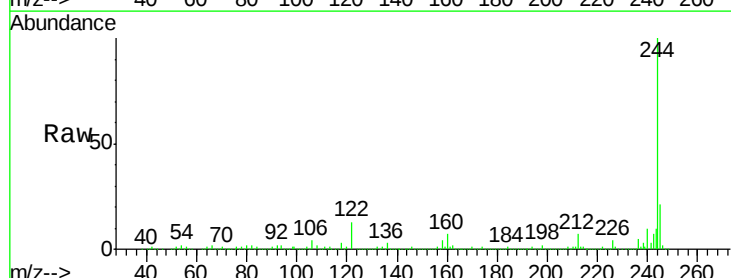


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

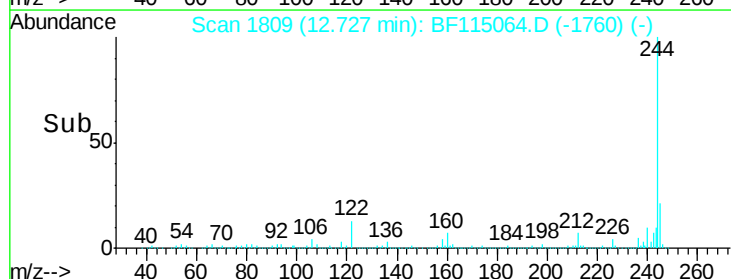
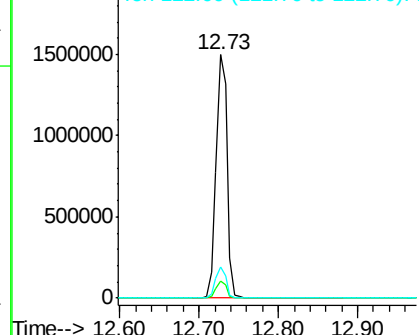


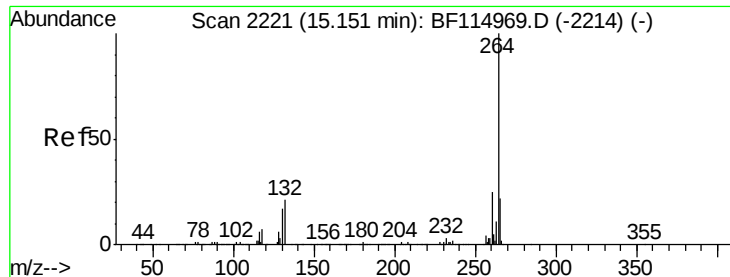
#79
Terphenyl-d14
Concen: 54.241 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF115064.D
Acq: 15 Jun 2019 2:09

Tgt Ion:244 Resp: 1442621
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 12.9 9.4 14.0



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

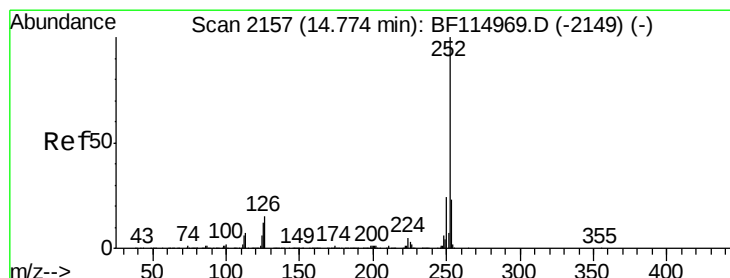
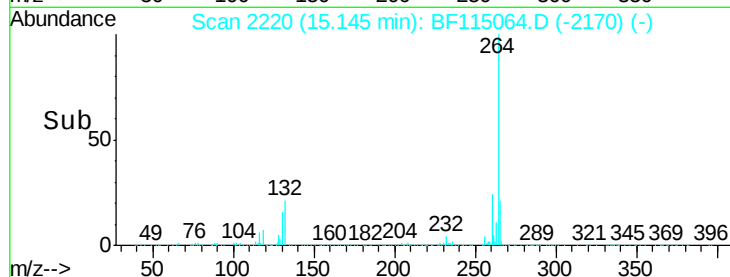
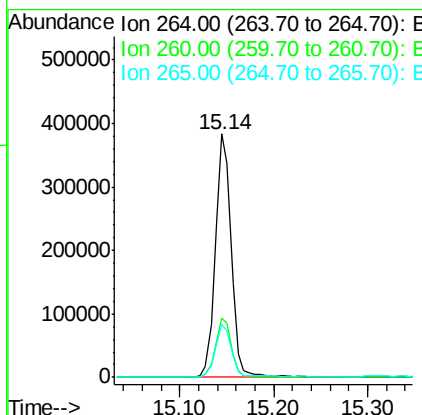
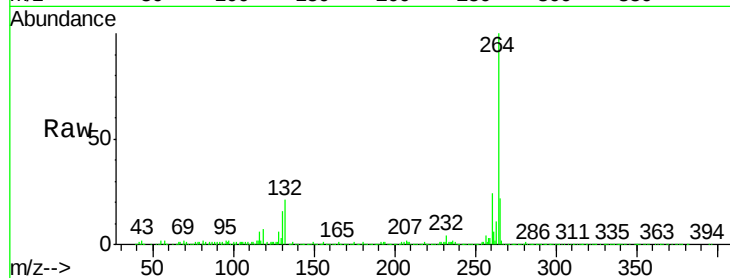




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF115064.D
Acq: 15 Jun 2019 2:09

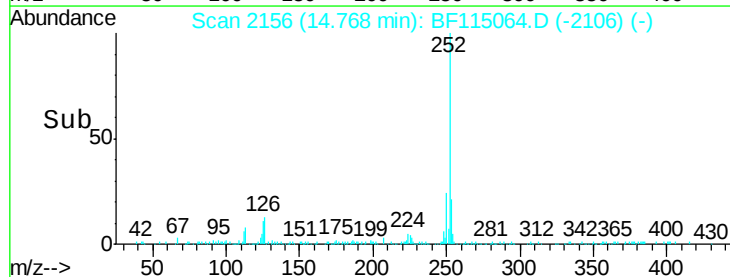
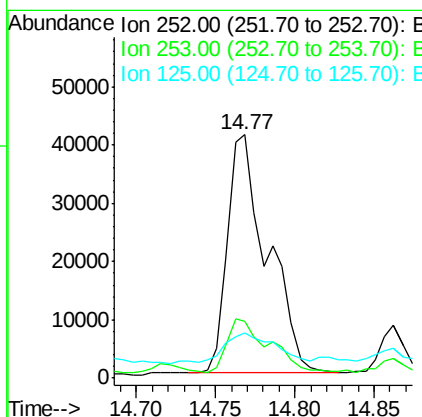
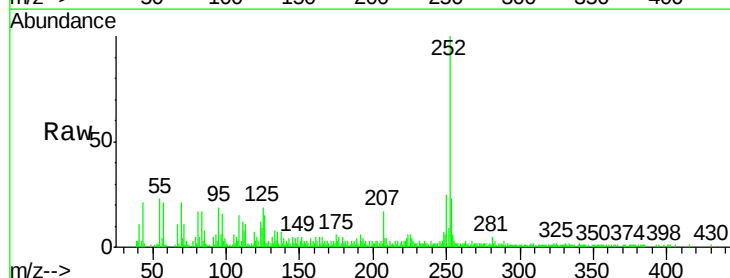
Instrument :
BNA_F
ClientSampleId :

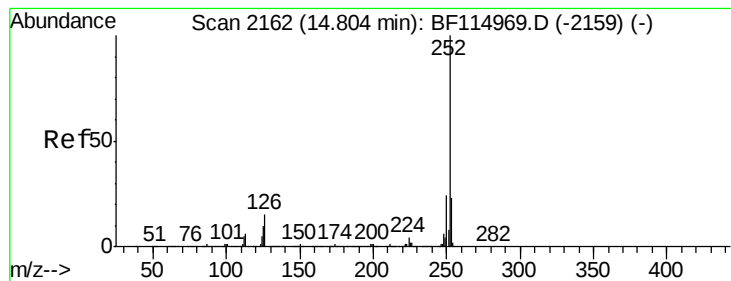
Tot Ion:264 Resp: 455060
Ion Ratio Lower Upper
264 100
260 24.4 19.9 29.9
265 21.7 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 2.370 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF115064.D
Acq: 15 Jun 2019 2:09

Tgt Ion:252 Resp: 71694
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 18.6 9.4 14.0#





#89

Benzo(k)fluoranthene

Concen: 2.700 ng

RT: 14.77 min Scan# 2156

Delta R.T. -0.04 min

Lab File: BF115064.D

Acq: 15 Jun 2019 2:09

Instrument :

BNA_F

ClientSampleId :

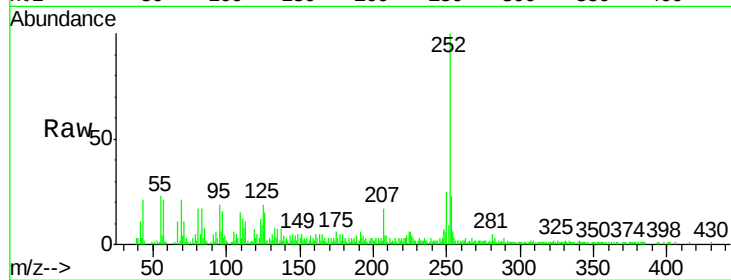
Tot Ion: 252 Resp: 71694

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

125 18.6 8.2 12.4



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

