

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114885.D
 Acq On : 7 Jun 2019 1:34
 Operator : HP/JU
 Sample : K3153-05 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-060519-C

Quant Time: Jun 07 04:00:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

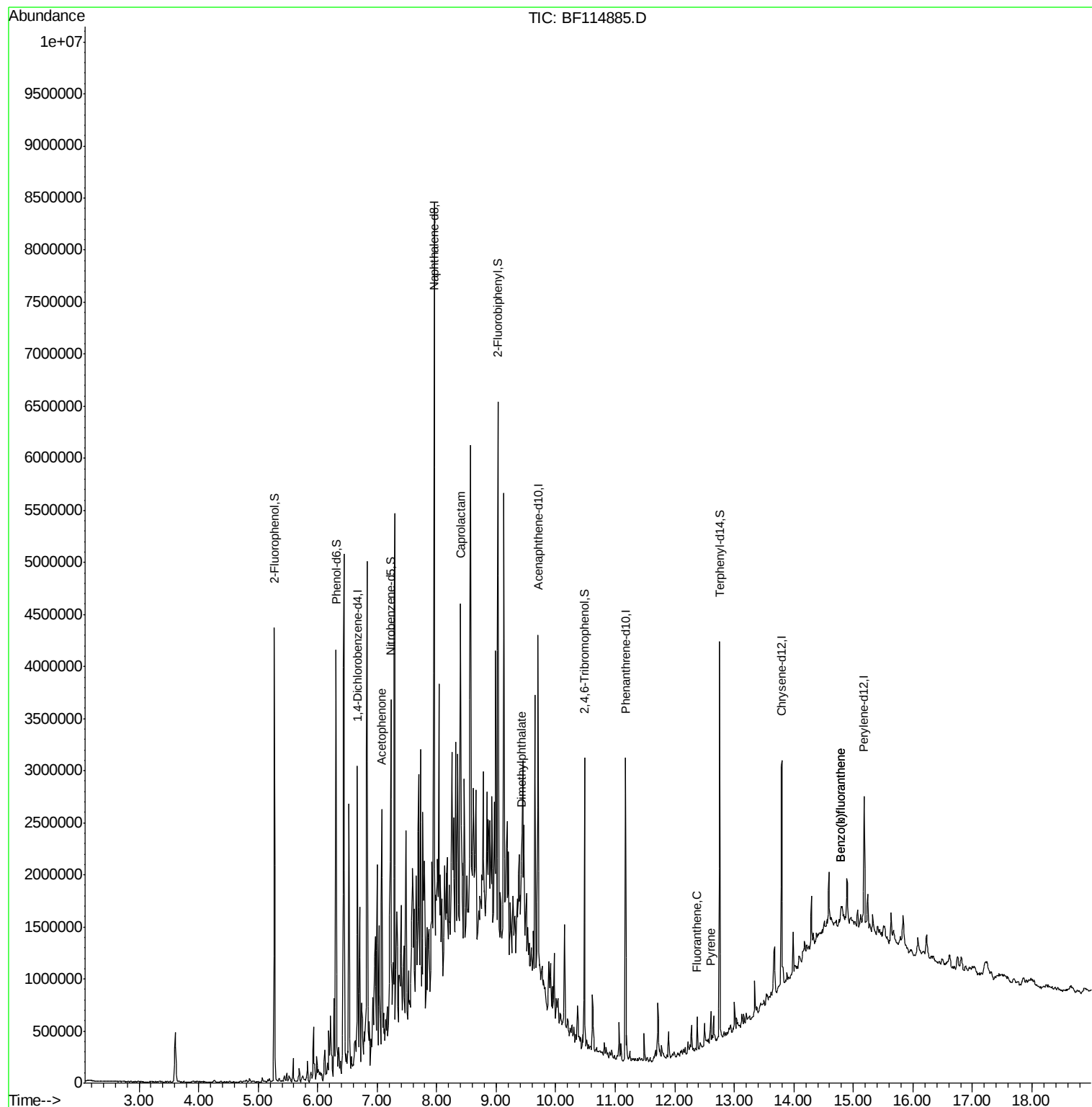
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	411225	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1273400	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	645144	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1089516	20.00	ng	0.00
76) Chrysene-d12	13.80	240	725658	20.00	ng	0.00
87) Perylene-d12	15.18	264	569469	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1246674	52.97	ng	0.01
7) Phenol-d6	6.31	99	1499985	52.38	ng	0.00
23) Nitrobenzene-d5	7.23	82	883479	42.71	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	311989	44.87	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1614920	46.89	ng	0.00
79) Terphenyl-d14	12.75	244	1347401	36.11	ng	0.00
Target Compounds						
22) Acetophenone	7.07	105	159702	5.696	ng	# 45
35) Caprolactam	8.40	113	74070	12.217	ng	# 16
50) Dimethylphthalate	9.42	163	226705	4.811	ng	# 97
58) Fluorene	10.24	166	12433	Below Cal		# 83
75) Fluoranthene	12.37	202	124487	2.300	ng	97
78) Pyrene	12.60	202	135478	2.152	ng	93
88) Benzo(b)fluoranthene	14.79	252	86066	2.374	ng	# 68
89) Benzo(k)fluoranthene	14.79	252	86066	2.796	ng	# 69

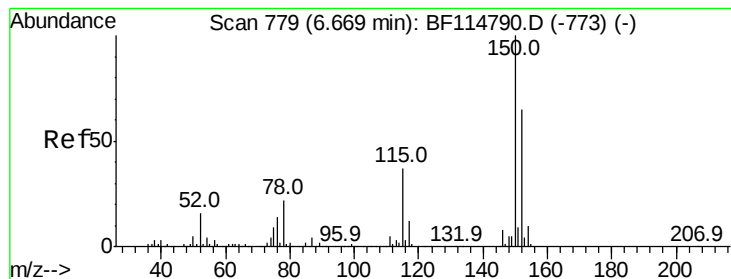
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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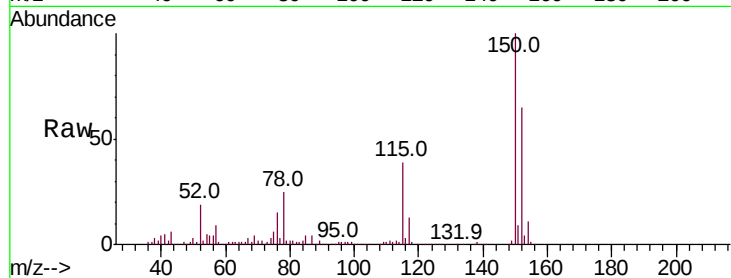


#1

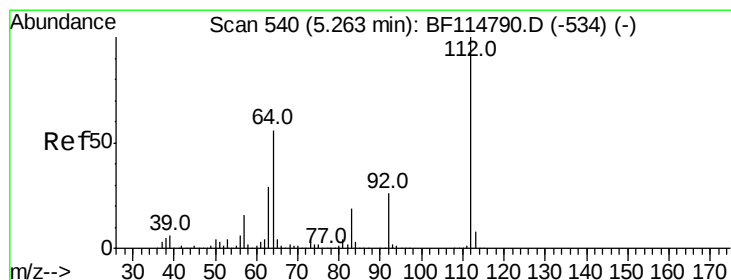
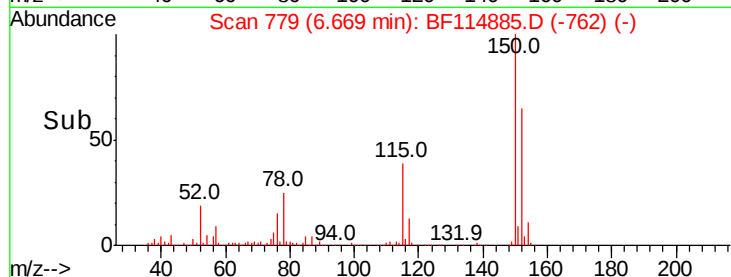
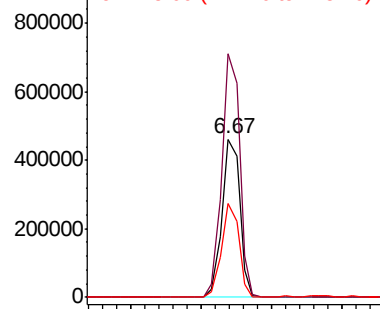
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114885.D
Acq: 7 Jun 2019 1:34

Instrument :
BNA_F
ClientSampleId :
HR-05-060519-C

Tot Ion:152 Resp: 411225
Ion Ratio Lower Upper
152 100
150 154.2 124.0 186.0
115 59.8 46.3 69.5



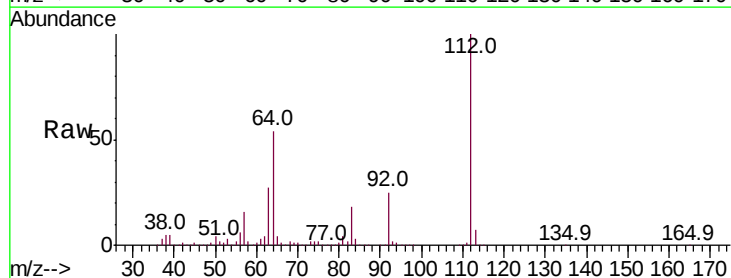
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



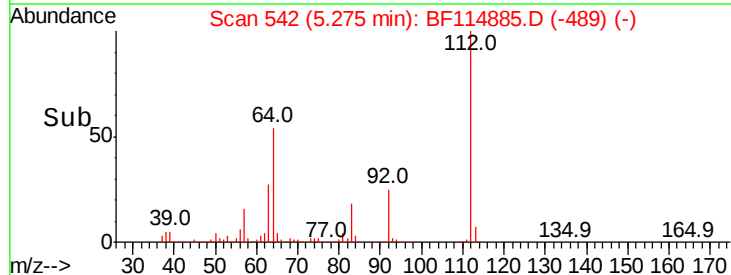
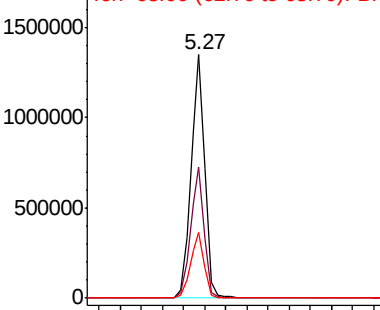
#5

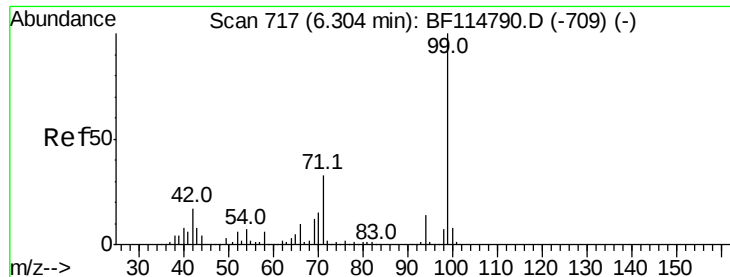
2-Fluorophenol
Concen: 52.973 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114885.D
Acq: 7 Jun 2019 1:34

Tgt Ion:112 Resp: 1246674
Ion Ratio Lower Upper
112 100
64 53.8 44.6 66.8
63 27.1 23.0 34.4



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: 52.380 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

Instrument :

BNA_F

ClientSampleId :

HR-05-060519-C

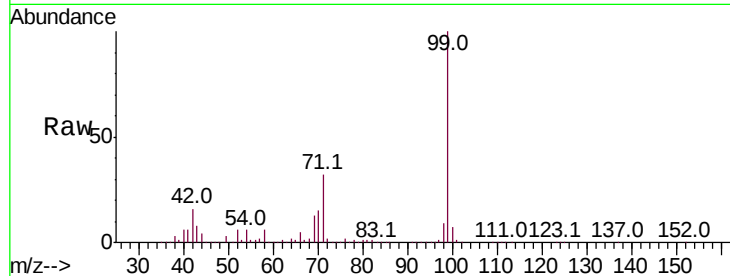
Tot Ion: 99 Resp: 1499985

Ion Ratio Lower Upper

99 100

42 15.8 13.3 19.9

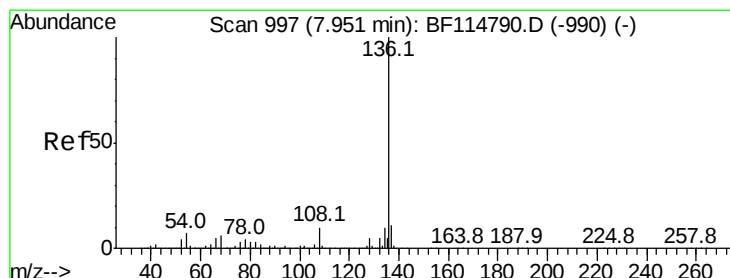
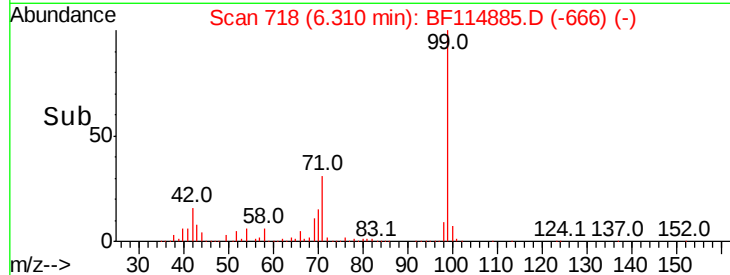
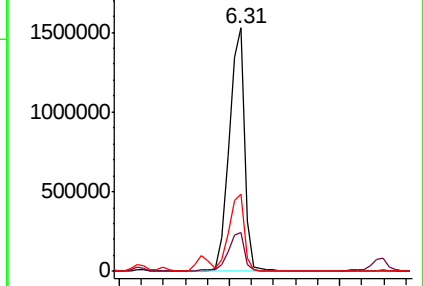
71 31.5 26.3 39.5



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

Tgt Ion: 136 Resp: 1273400

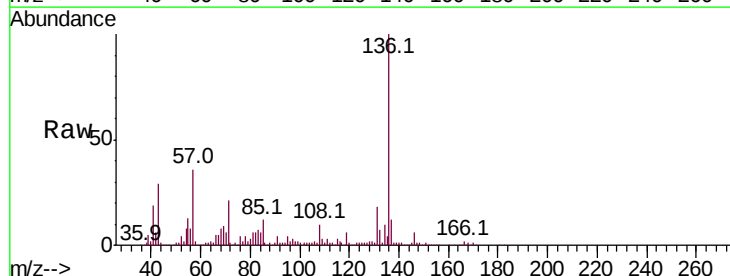
Ion Ratio Lower Upper

136 100

137 12.1 9.1 13.7

54 8.3 5.4 8.0#

68 7.6 4.6 6.8#

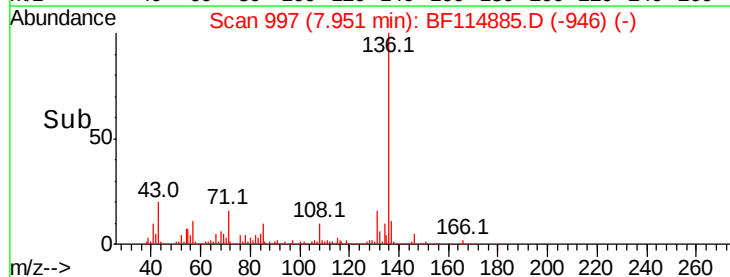
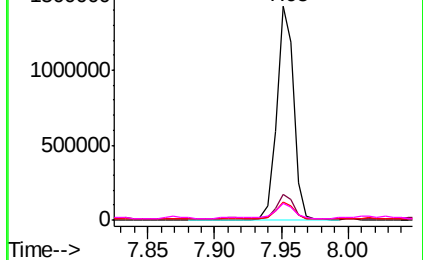


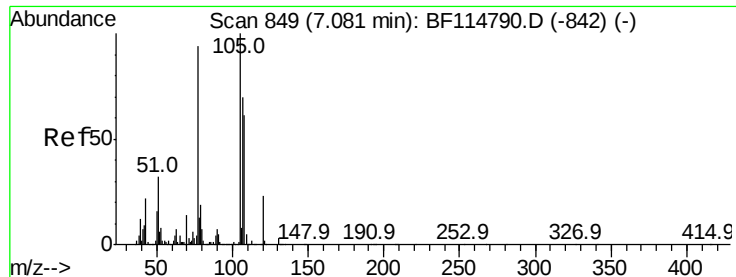
Abundance Ion 136.00 (135.70 to 136.70): E

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

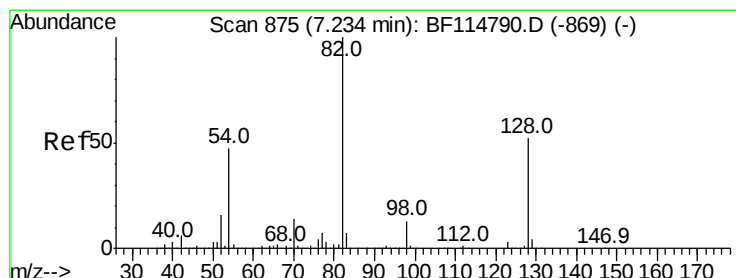
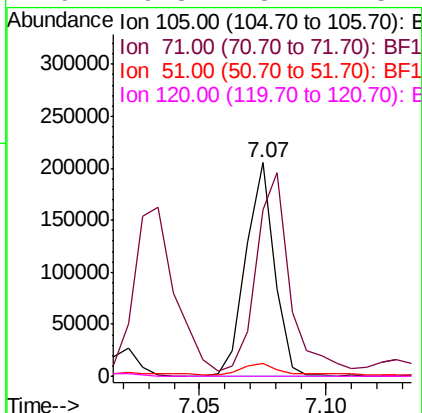
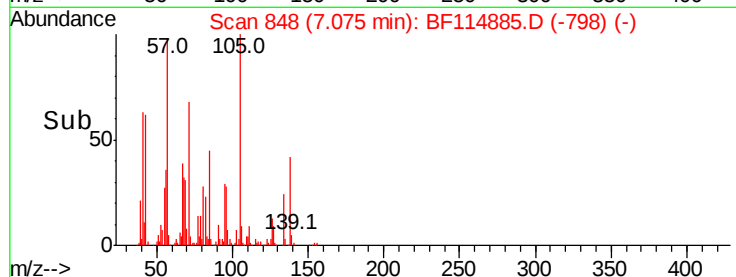
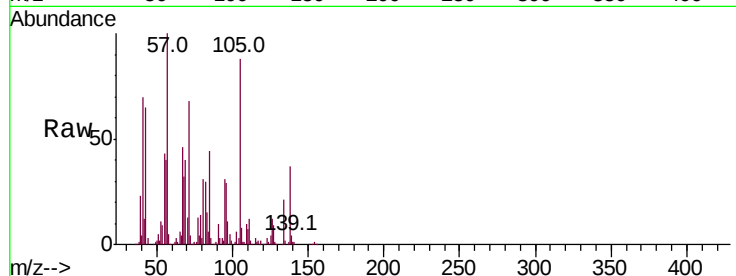




#22
Acetophenone
Concen: 5.696 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF114885.D
Acq: 7 Jun 2019 1:34

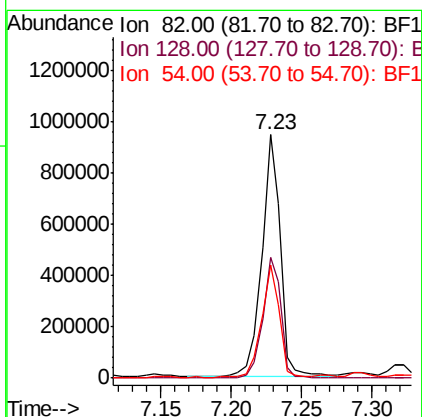
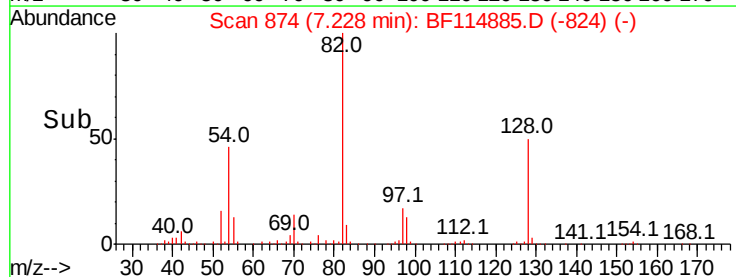
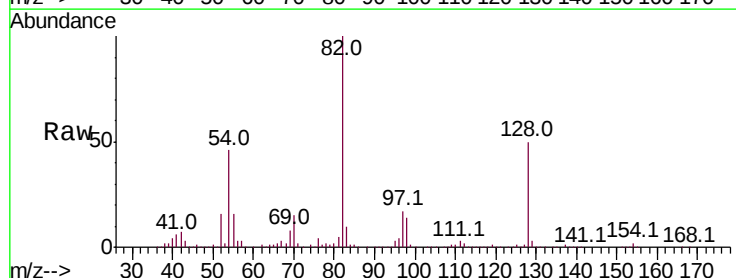
Instrument :
BNA_F
ClientSampleId :
HR-05-060519-C

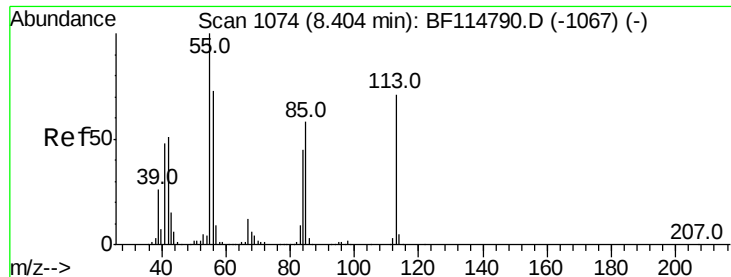
Tot Ion:105 Resp: 159702
Ion Ratio Lower Upper
105 100
71 77.8 2.0 3.0#
51 5.8 25.4 38.0#
120 0.3 18.7 28.1#



#23
Nitrobenzene-d5
Concen: 42.709 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114885.D
Acq: 7 Jun 2019 1:34

Tgt Ion: 82 Resp: 883479
Ion Ratio Lower Upper
82 100
128 49.5 41.8 62.6
54 46.4 37.9 56.9





#35

Caprolactam

Concen: 12.217 ng

RT: 8.40 min Scan# 1073

Delta R.T. -0.01 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

Instrument :

BNA_F

ClientSampleId :

HR-05-060519-C

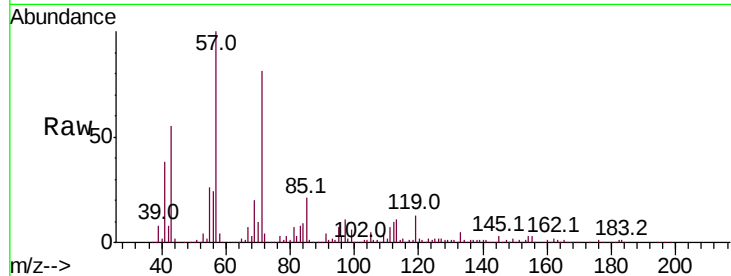
Tot Ion:113 Resp: 74070

Ion Ratio Lower Upper

113 100

55 225.8 121.1 161.1#

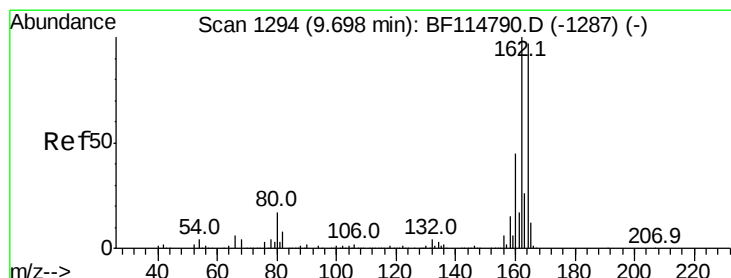
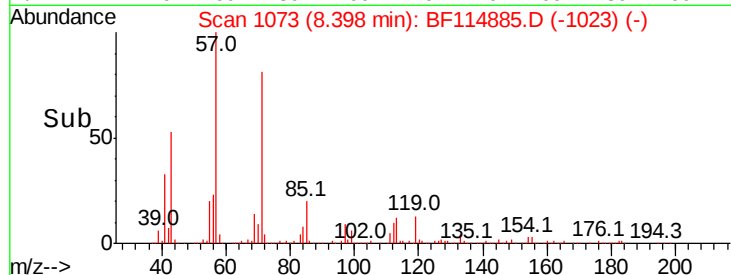
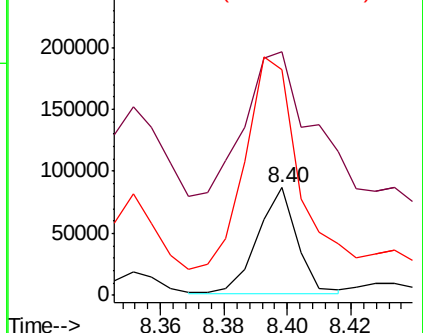
56 209.2 82.6 122.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

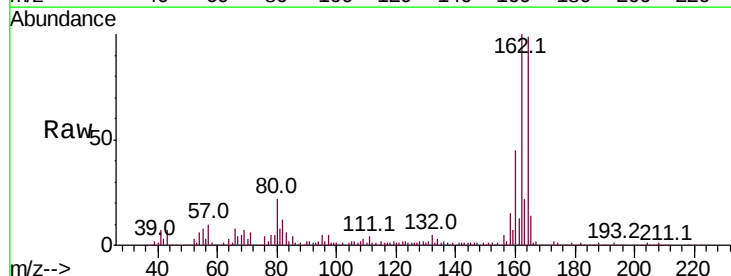
Tgt Ion:164 Resp: 645144

Ion Ratio Lower Upper

164 100

162 101.1 82.3 123.5

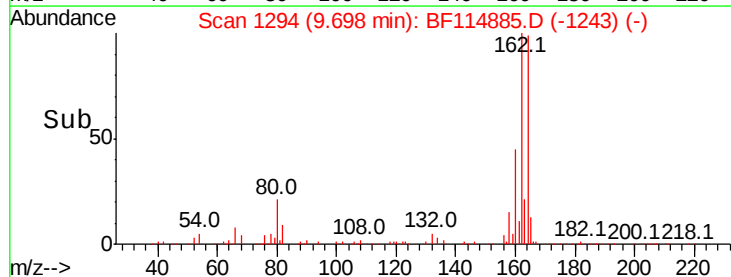
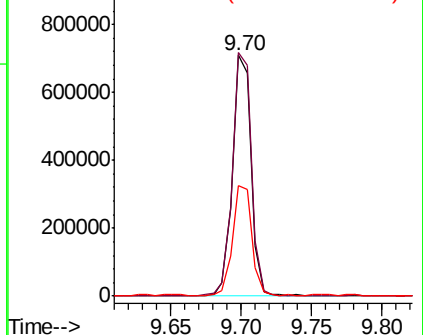
160 45.8 36.7 55.1

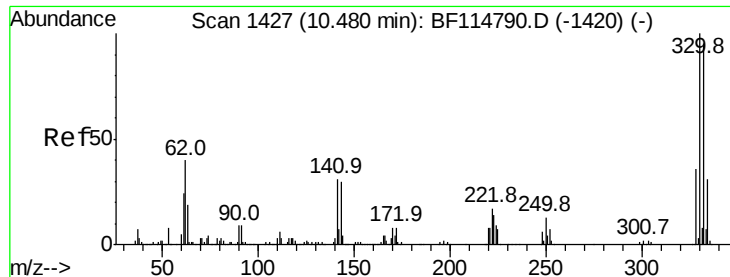


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

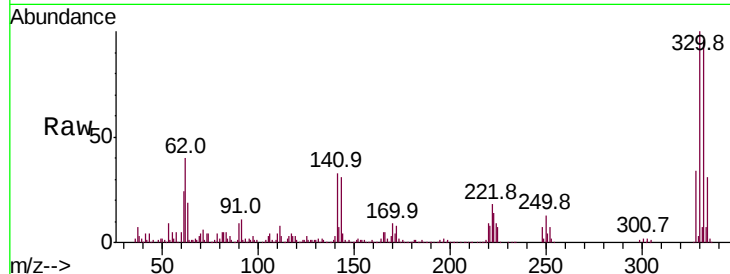




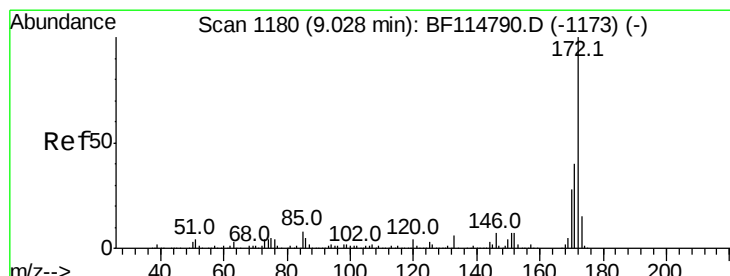
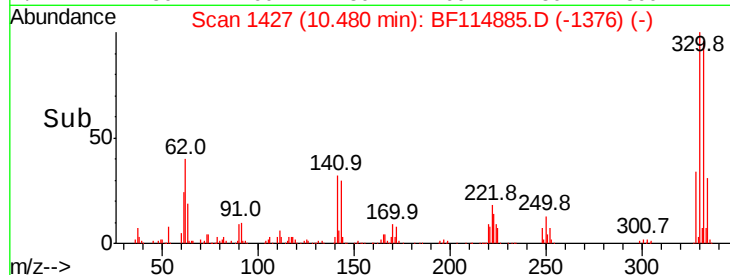
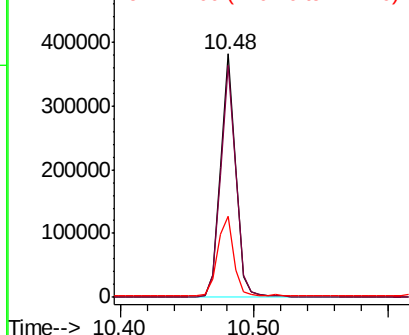
#42
 2,4,6-Tribromophenol
 Concen: 44.875 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BF114885.D
 Acq: 7 Jun 2019 1:34

Instrument :
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Tot Ion:330 Resp: 311989
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.3 115.9
 141 34.7 26.2 39.4

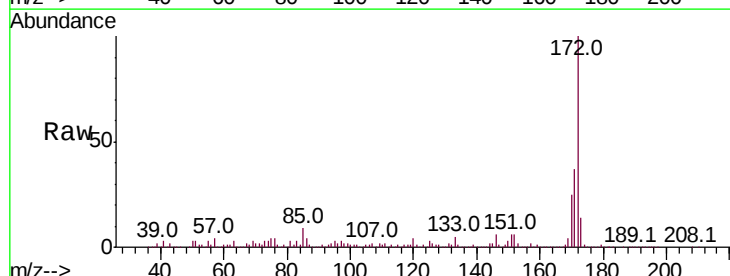


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

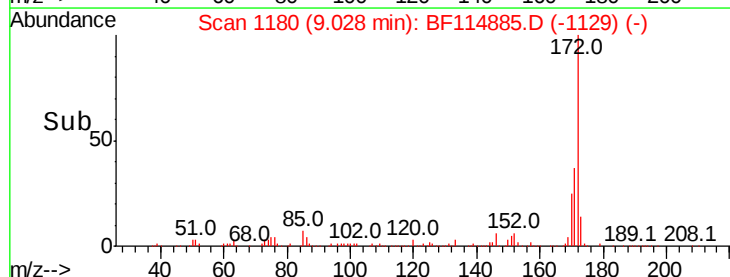
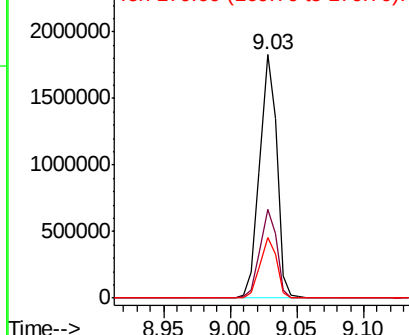


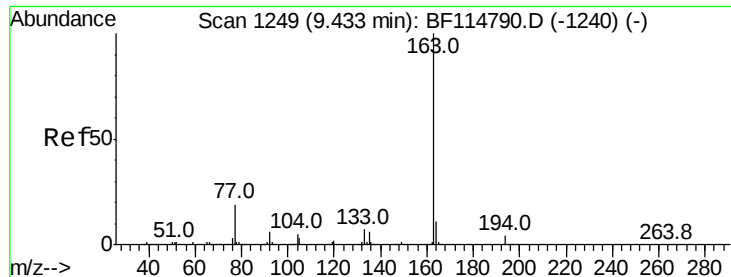
#45
 2-Fluorobiphenyl
 Concen: 46.892 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF114885.D
 Acq: 7 Jun 2019 1:34

Tgt Ion:172 Resp: 1614920
 Ion Ratio Lower Upper
 172 100
 171 36.5 32.3 48.5
 170 24.7 22.4 33.6



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: 4.811 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

Instrument :

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ClientSampleId :

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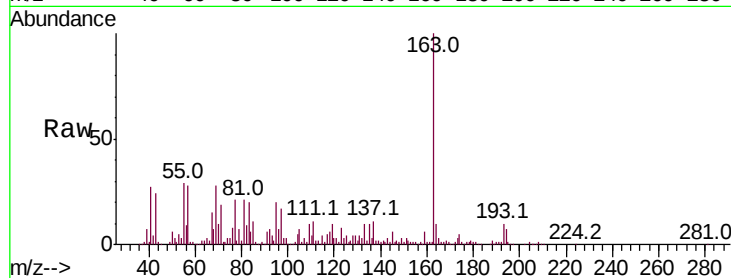
Tot Ion:163 Resp: 226705

Ion Ratio Lower Upper

163 100

194 7.1 3.4 5.2#

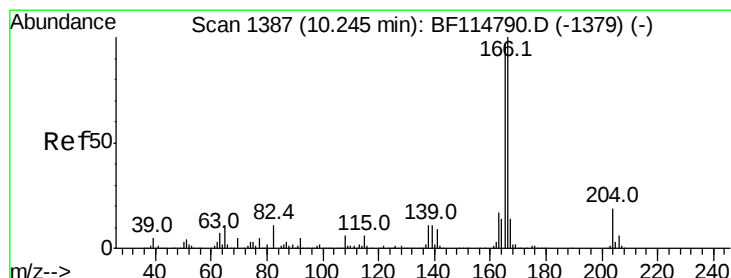
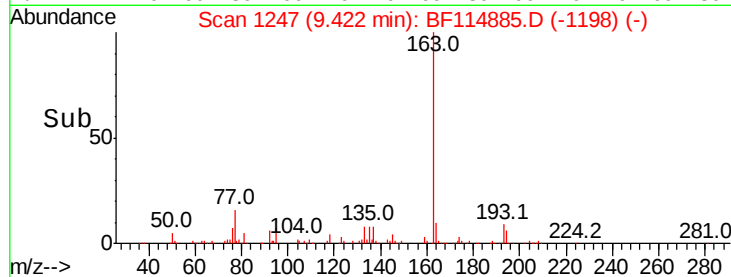
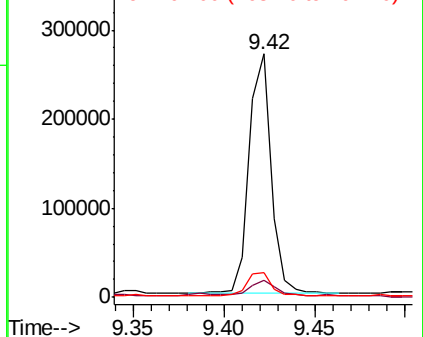
164 10.4 8.6 13.0



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



#58

Fluorene

Concen: Below Cal

RT: 10.24 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

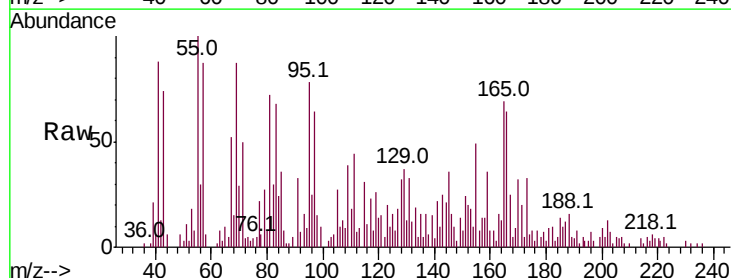
Tgt Ion:166 Resp: 12433

Ion Ratio Lower Upper

166 100

165 108.4 77.9 116.9

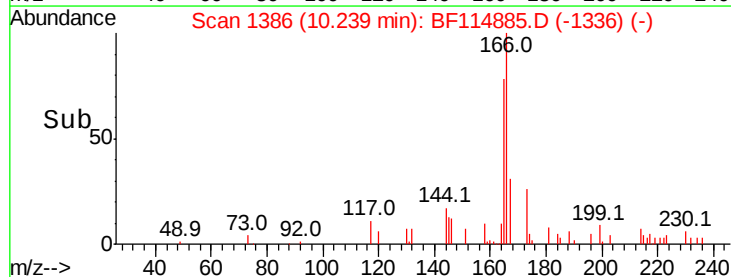
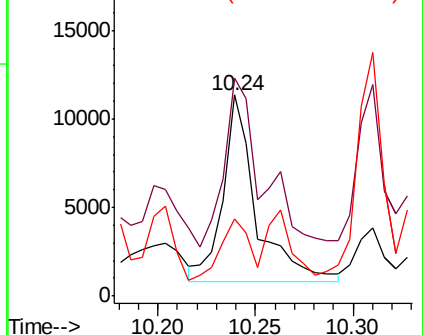
167 38.5 11.3 16.9#

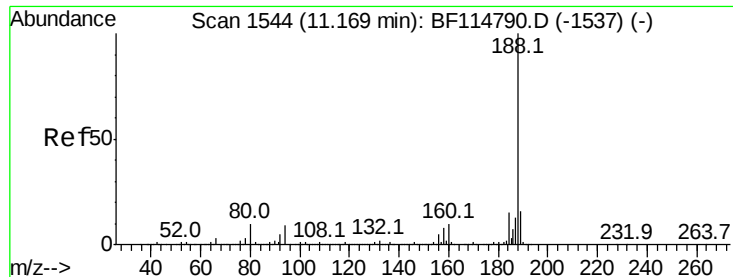


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.17 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

Instrument :

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HR-05-060519-C

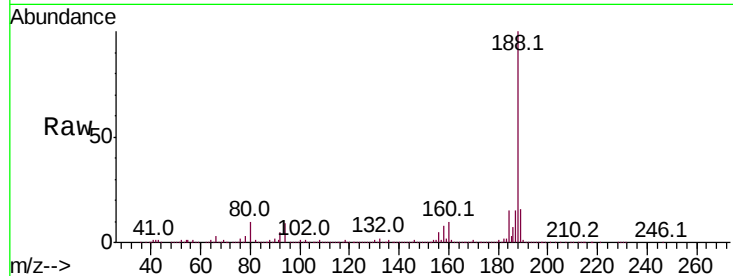
Tot Ion:188 Resp: 1089516

Ion Ratio Lower Upper

188 100

94 9.4 7.6 11.4

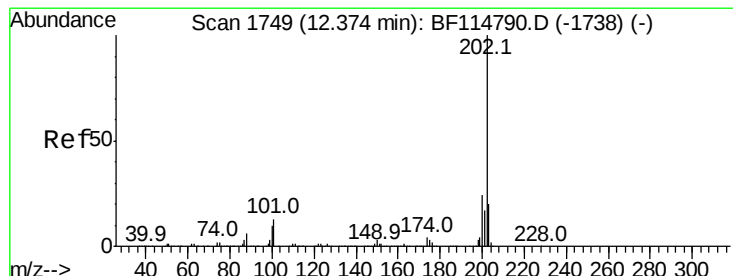
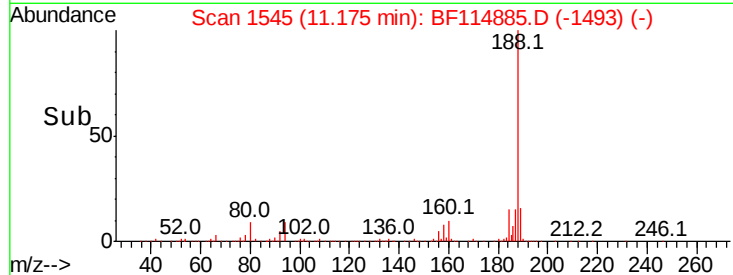
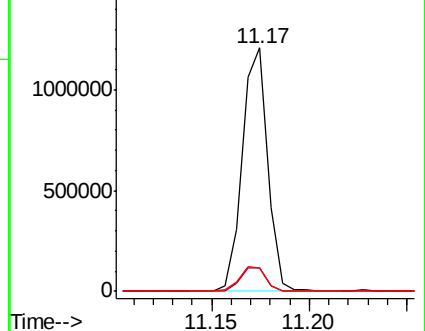
80 9.5 8.3 12.5



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



#75

Fluoranthene

Concen: 2.300 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

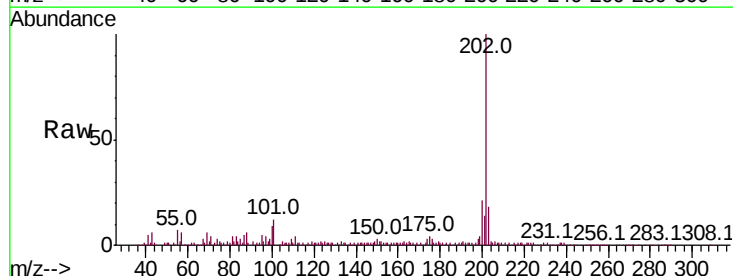
Tgt Ion:202 Resp: 124487

Ion Ratio Lower Upper

202 100

101 12.4 0.0 32.8

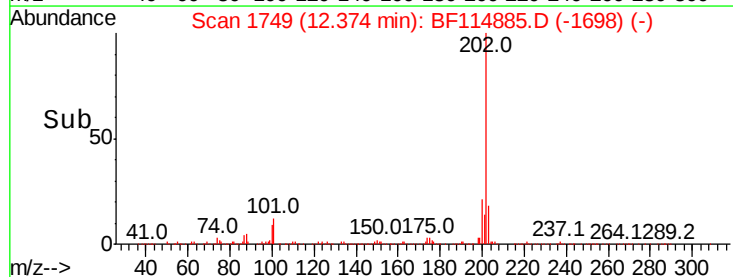
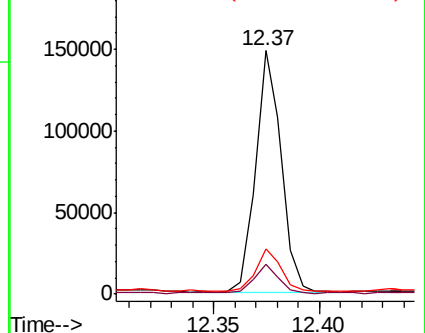
203 18.4 0.2 40.2

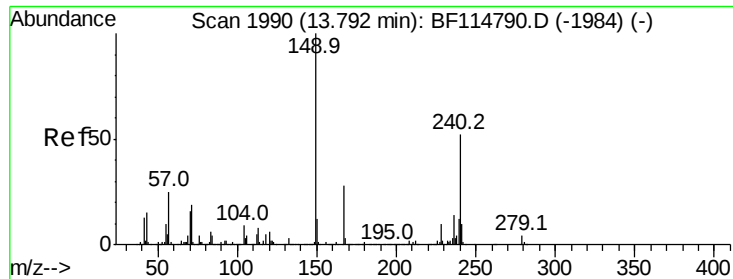


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

Instrument :

BNA_F

ClientSampleId :

HR-05-060519-C

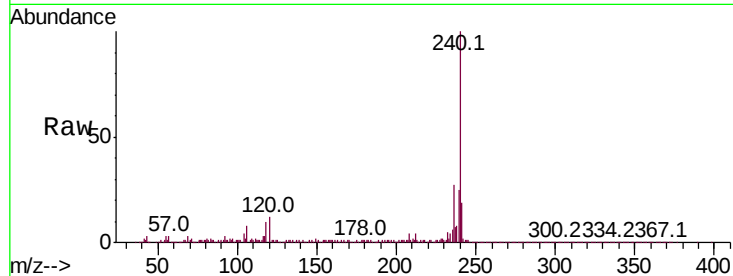
Tot Ion:240 Resp: 725658

Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.4

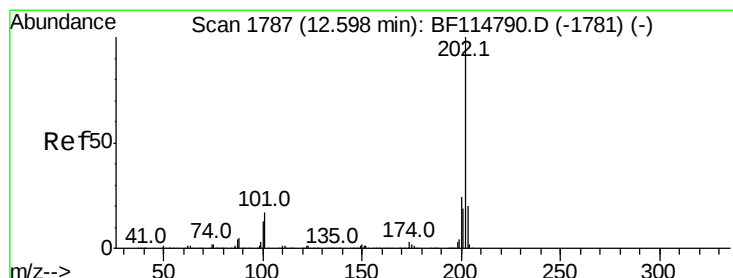
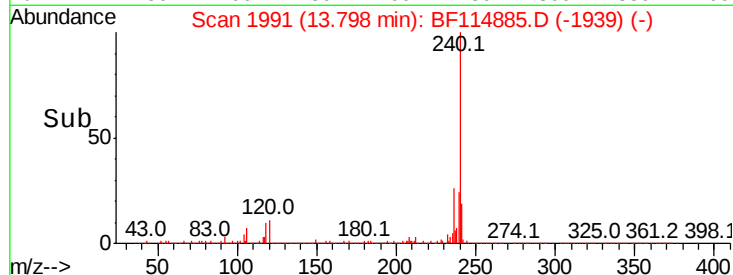
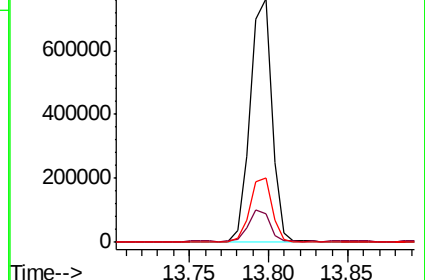
236 26.6 21.4 32.0



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

Pyrene

Concen: 2.152 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

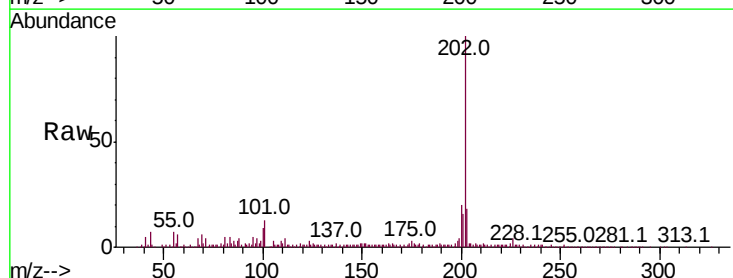
Tgt Ion:202 Resp: 135478

Ion Ratio Lower Upper

202 100

200 19.9 19.2 28.8

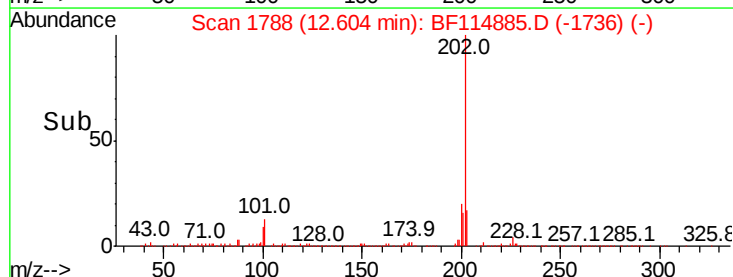
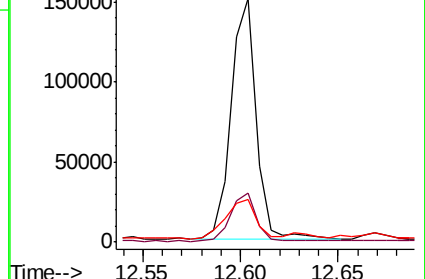
203 17.8 15.9 23.9

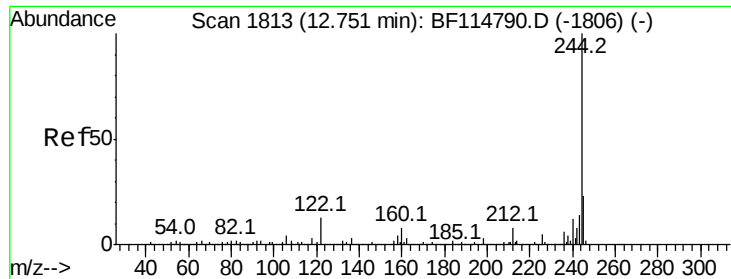


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 36.110 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

Instrument :

BNA_F

ClientSampleId :

HR-05-060519-C

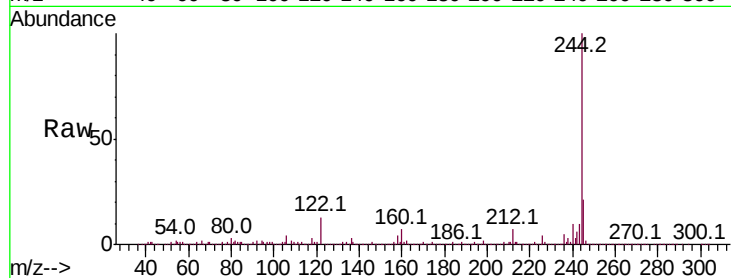
Tot Ion:244 Resp: 1347401

Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

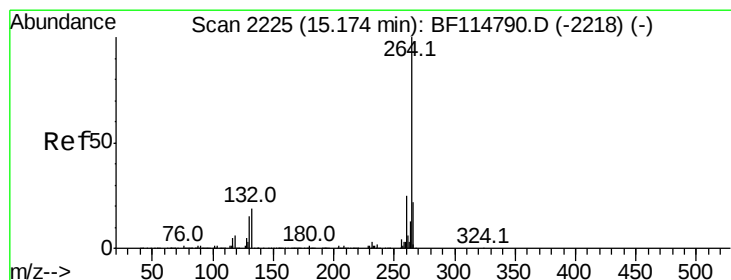
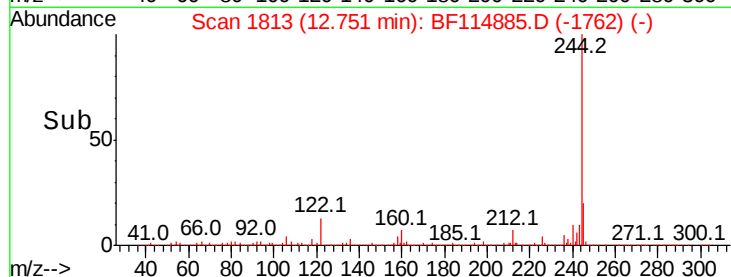
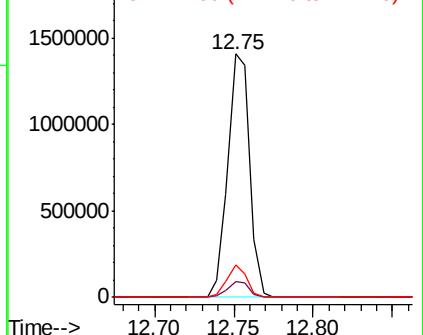
122 13.3 10.5 15.7



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

Perylene-d12

Concen: 20.000 ng

RT: 15.18 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF114885.D

Acq: 7 Jun 2019 1:34

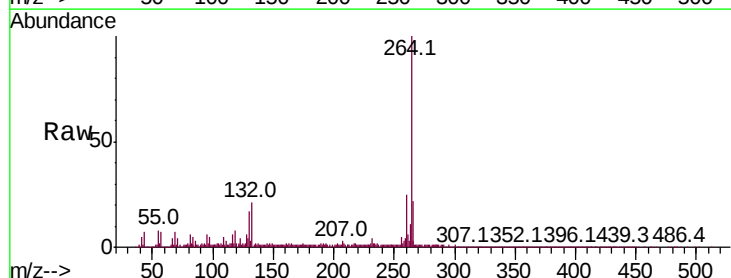
Tgt Ion:264 Resp: 569469

Ion Ratio Lower Upper

264 100

260 25.3 20.1 30.1

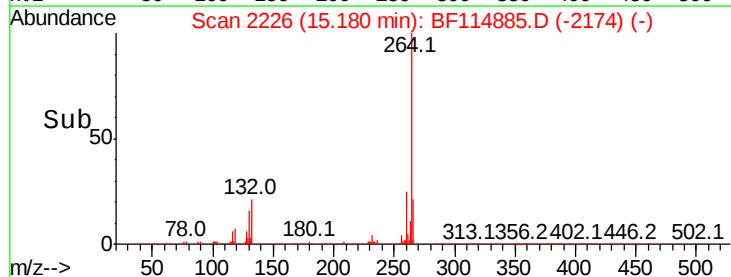
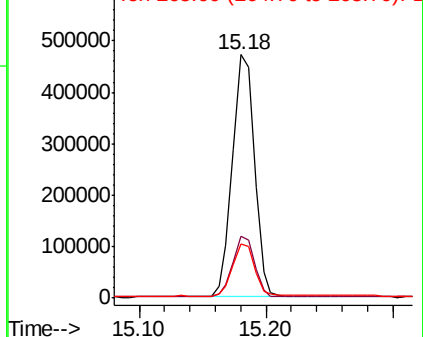
265 22.2 17.7 26.5

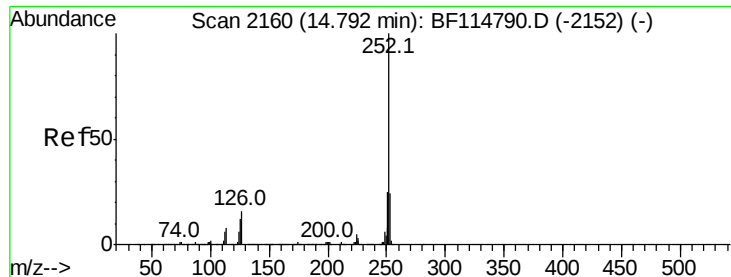


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

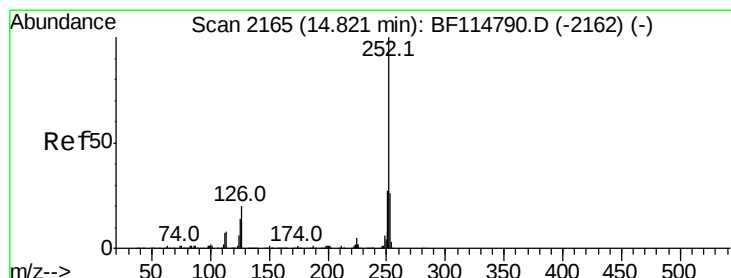
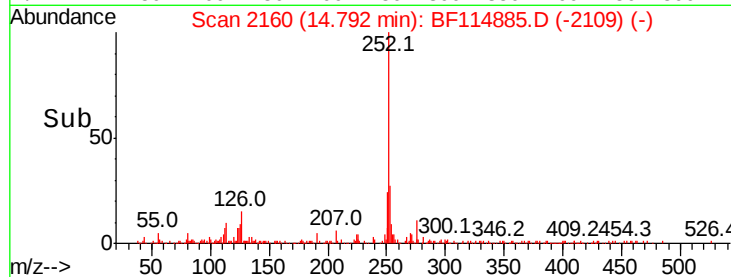
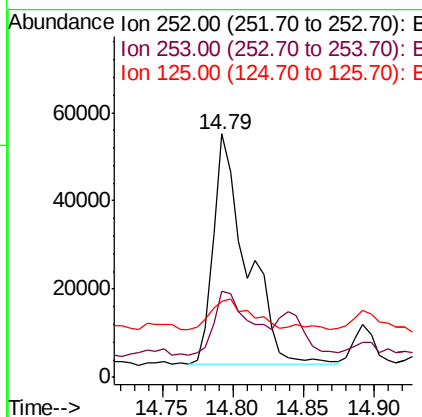
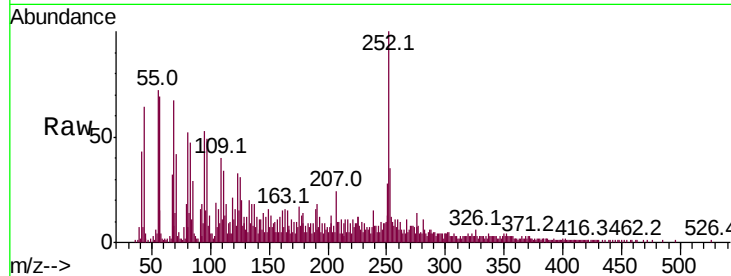




#88
Benzo(b)fluoranthene
Concen: 2.374 ng
RT: 14.79 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BF114885.D
Acq: 7 Jun 2019 1:34

Instrument :
BNA_F
ClientSampleId :
HR-05-060519-C

Tot Ion:252 Resp: 86066
Ion Ratio Lower Upper
252 100
253 35.3 19.0 28.6#
125 31.1 9.4 14.0#



#89
Benzo(k)fluoranthene
Concen: 2.796 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.03 min
Lab File: BF114885.D
Acq: 7 Jun 2019 1:34

Tgt Ion:252 Resp: 86066
Ion Ratio Lower Upper
252 100
253 35.3 19.3 28.9#
125 31.1 10.1 15.1#

