

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100319\
 Data File : BF117337.D
 Acq On : 4 Oct 2019 00:38
 Operator : JU
 Sample : K5140-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-100219

Quant Time: Oct 04 03:22:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	46159	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	158862	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	61230	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	96783	20.00	ng	0.00
76) Chrysene-d12	13.97	240	84586	20.00	ng	0.00
87) Perylene-d12	15.43	264	63011	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	106871	36.15	ng	0.00
7) Phenol-d6	6.46	99	147212	38.53	ng	0.00
23) Nitrobenzene-d5	7.37	82	79359	26.25	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	17271	33.75	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	124779	31.86	ng	-0.01
79) Terphenyl-d14	12.91	244	121126	26.77	ng	0.00

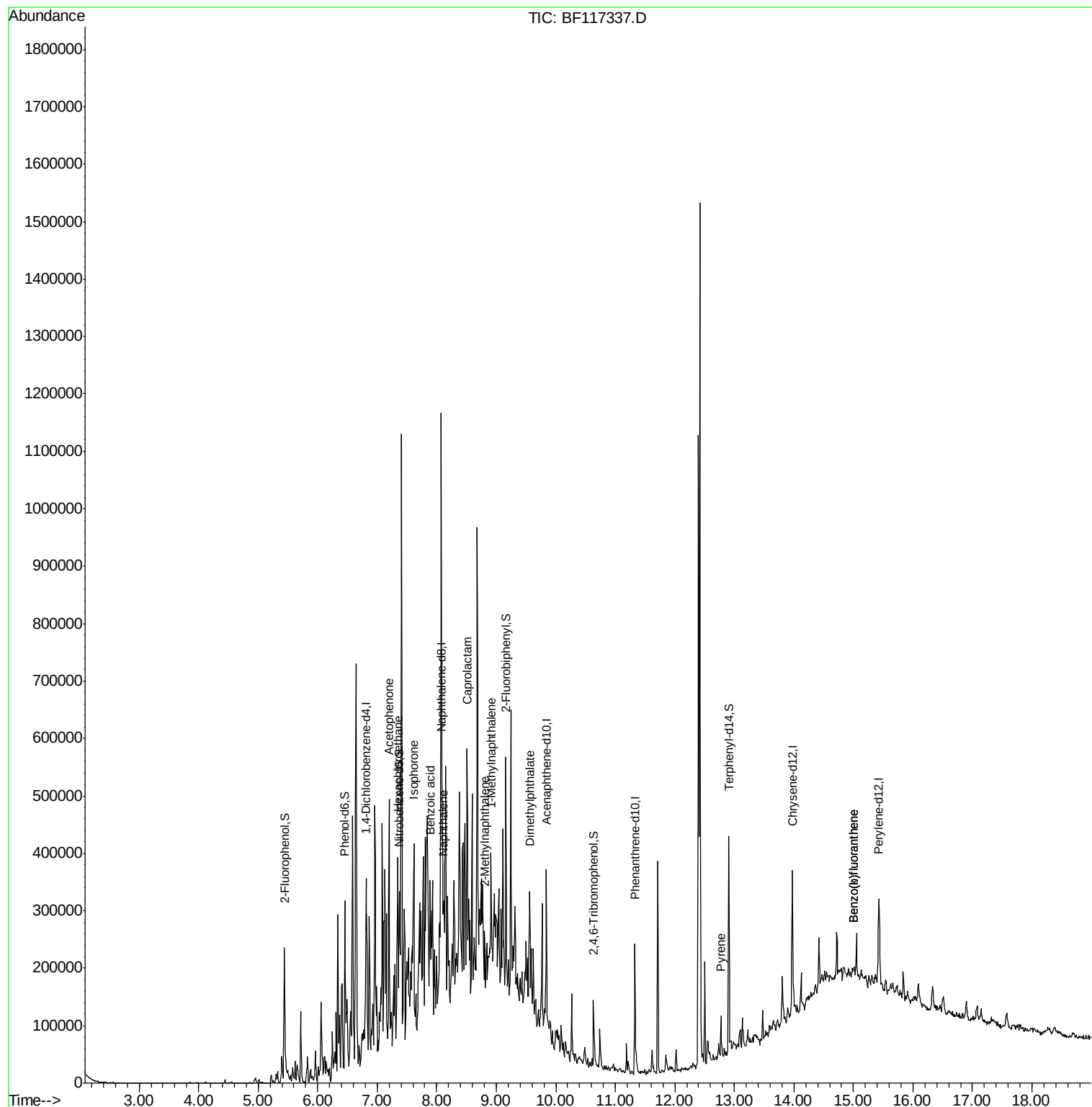
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	3385	Below Cal		# 1
18) Hexachloroethane	7.34	117	13576	9.662	ng	# 1
22) Acetophenone	7.20	105	41278	10.227	ng	# 55
25) Isophorone	7.62	82	16011	2.991	ng	# 1
31) Naphthalene	8.11	128	19917	2.607	ng	# 79
32) Benzoic acid	7.88	122	1078	7.199	ng	# 46
35) Caprolactam	8.51	113	9406	13.040	ng	# 1
37) 2-Methylnaphthalene	8.80	142	15943	3.099	ng	# 93
38) 1-Methylnaphthalene	8.90	142	10545	2.188	ng	# 97
50) Dimethylphthalate	9.56	163	11815	2.725	ng	# 89
78) Pyrene	12.77	202	15005	2.114	ng	# 97
88) Benzo(b)fluoranthene	15.02	252	9835	2.577	ng	# 22
89) Benzo(k)fluoranthene	15.02	252	9835	2.720	ng	# 21

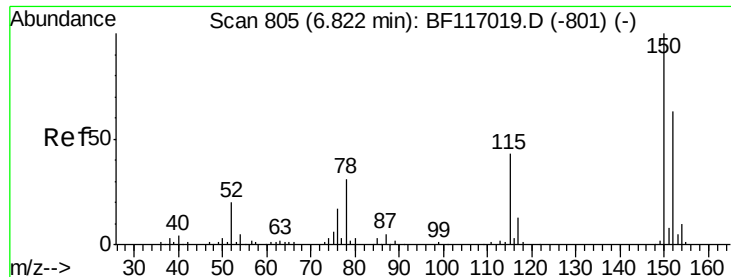
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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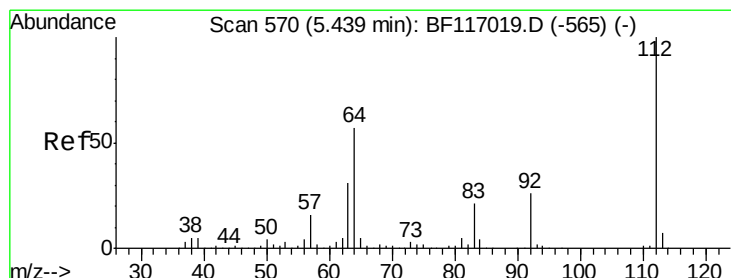
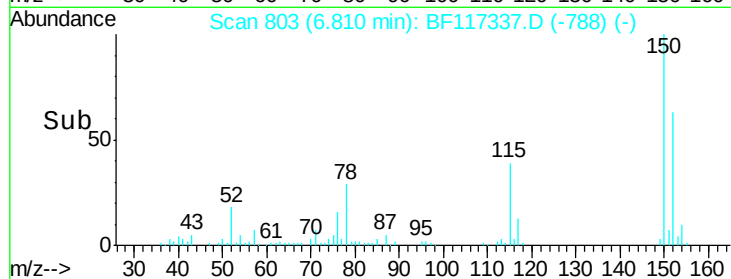
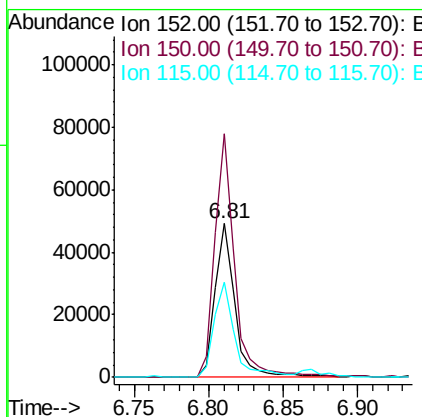
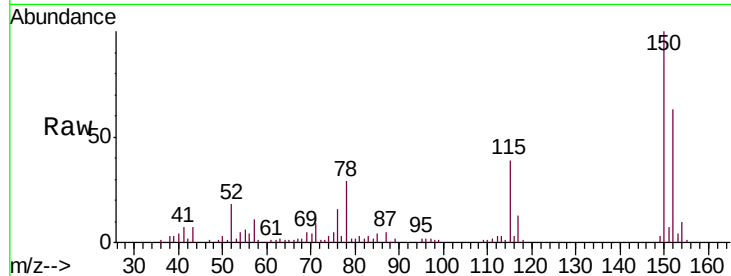




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF117337.D
 Acq: 4 Oct 2019 00:38

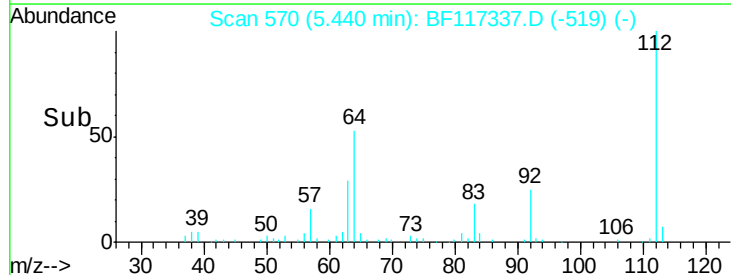
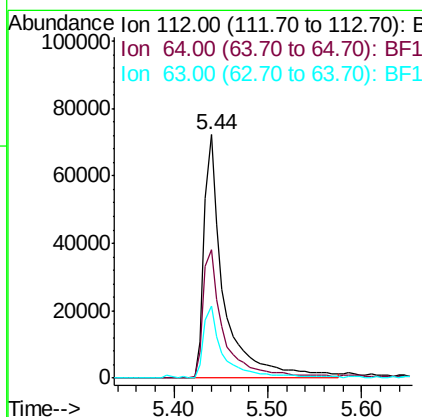
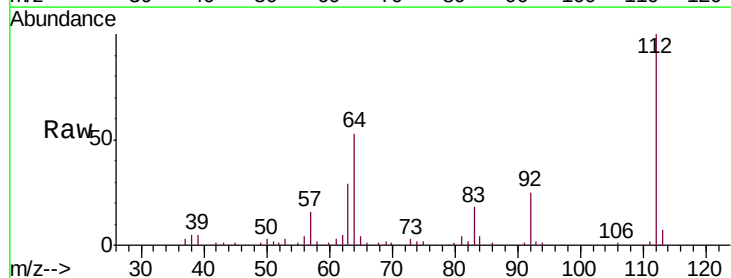
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-100219

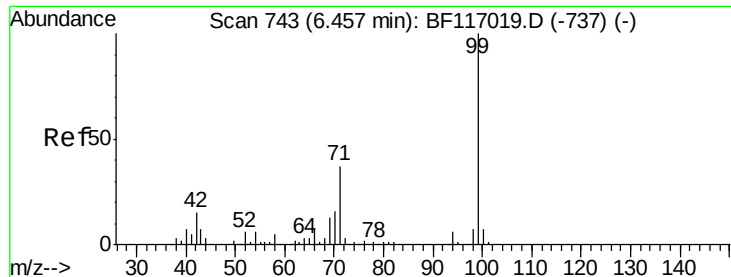
Tgt Ion:152 Resp: 46159
 Ion Ratio Lower Upper
 152 100
 150 158.1 127.5 191.3
 115 61.6 55.0 82.4



#5
 2-Fluorophenol
 Concen: 36.147 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: BF117337.D
 Acq: 4 Oct 2019 00:38

Tgt Ion:112 Resp: 106871
 Ion Ratio Lower Upper
 112 100
 64 52.8 45.7 68.5
 63 29.4 24.9 37.3





#7

Phenol-d6

Concen: 38.528 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

Instrument :

BNA_F

ClientSampleId :

HR-05-100219

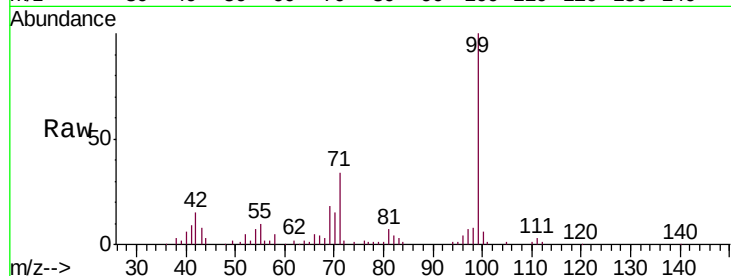
Tgt Ion: 99 Resp: 147212

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

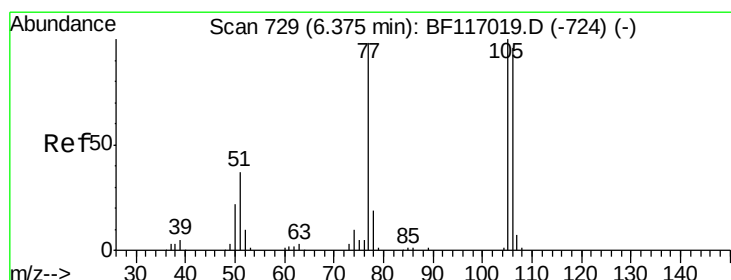
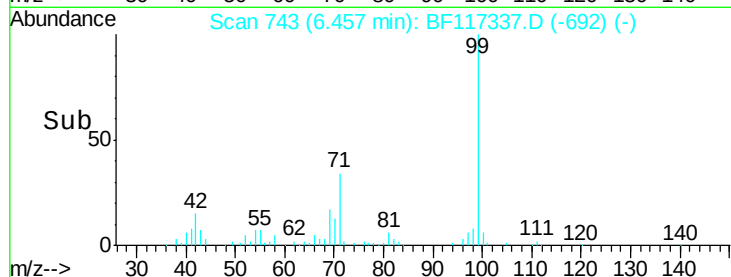
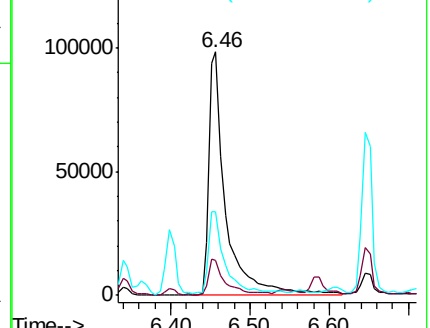
71 34.2 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

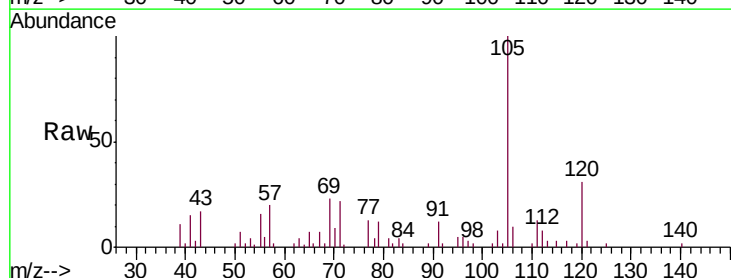
Tgt Ion: 77 Resp: 3385

Ion Ratio Lower Upper

77 100

105 757.8 81.8 121.8#

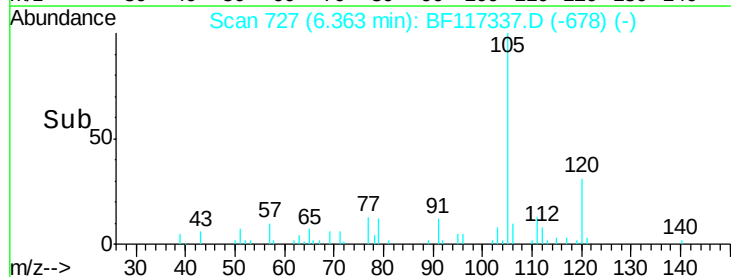
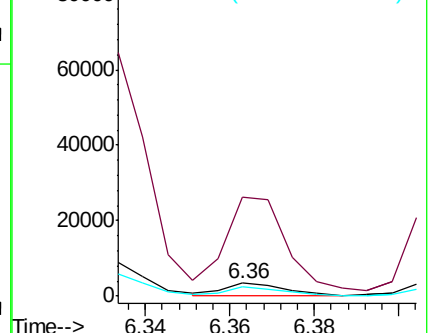
106 75.7 77.3 117.3#

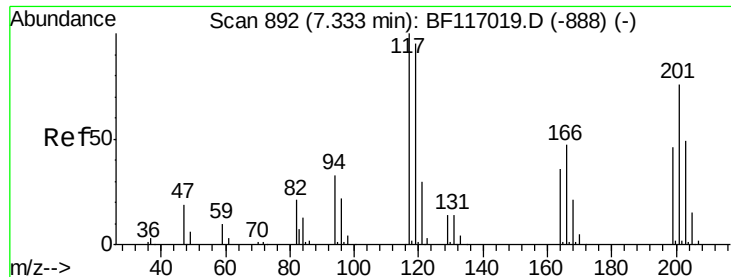


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

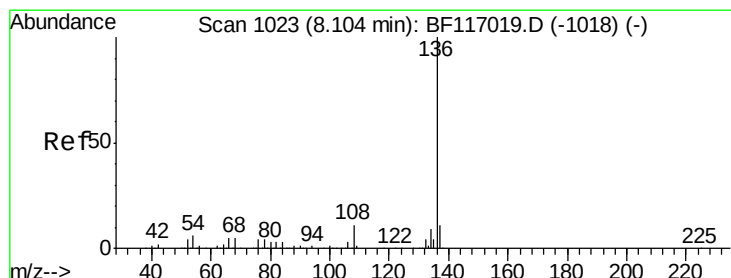
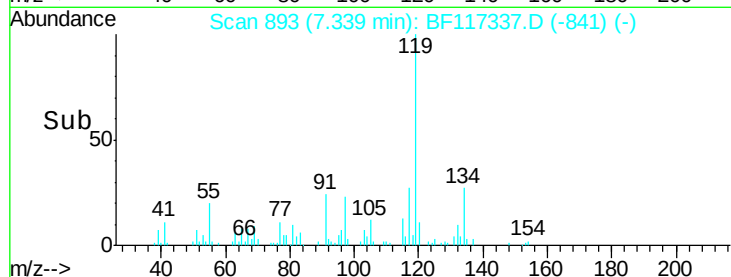
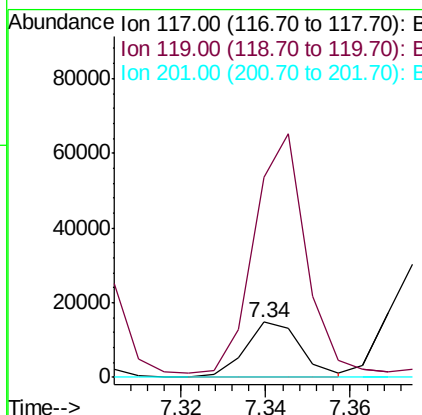
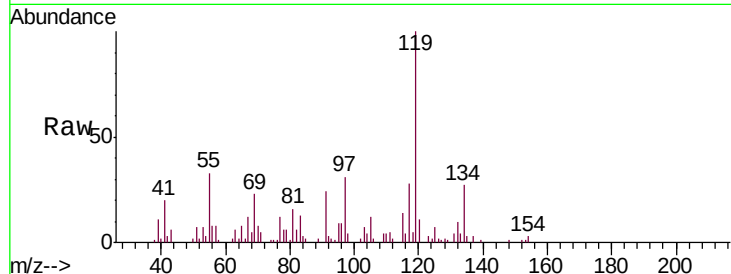




#18
Hexachloroethane
Concen: 9.662 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.01 min
Lab File: BF117337.D
Acq: 4 Oct 2019 00:38

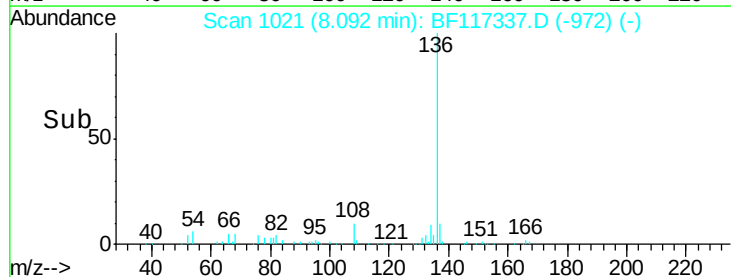
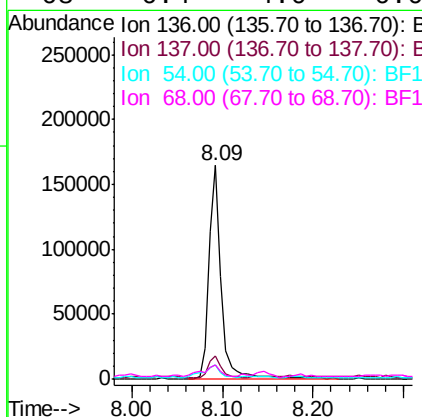
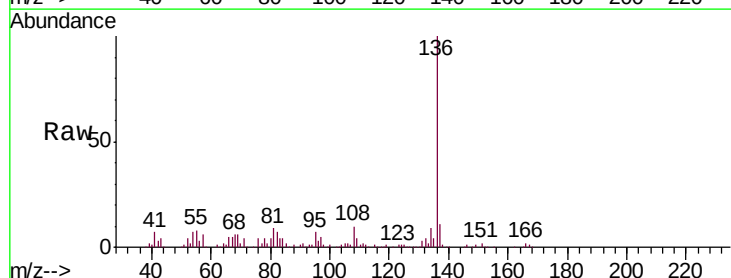
Instrument :
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HR-05-100219

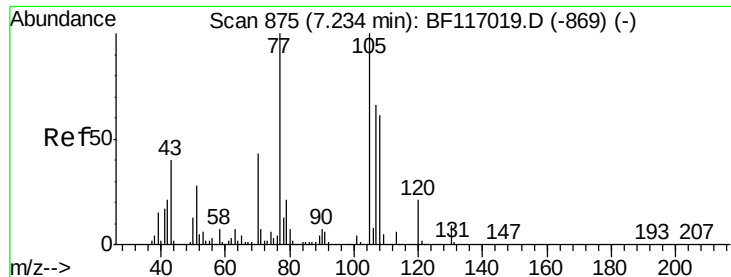
Tgt Ion:117 Resp: 13576
Ion Ratio Lower Upper
117 100
119 360.7 75.8 113.8#
201 0.0 60.9 91.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117337.D
Acq: 4 Oct 2019 00:38

Tgt Ion:136 Resp: 158862
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.8 4.5 6.7#
68 6.4 4.0 6.0#





#22

Acetophenone

Concen: 10.227 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.03 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

Instrument :

BNA_F

ClientSampleId :

HR-05-100219

Tgt Ion:105 Resp: 41278

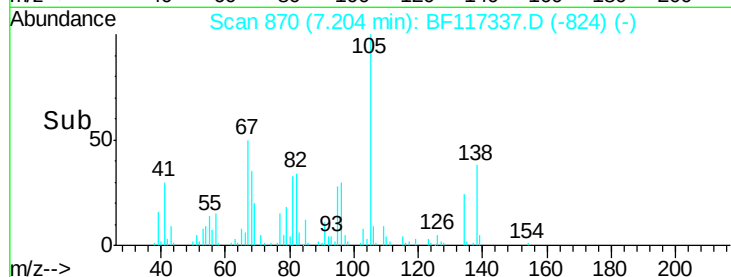
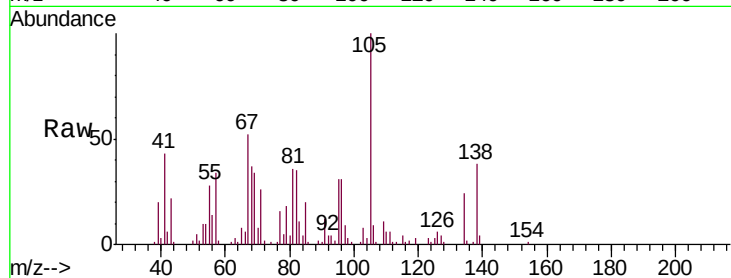
Ion Ratio Lower Upper

105 100

71 26.2 5.7 8.5#

51 5.1 22.1 33.1#

120 0.0 17.1 25.7#

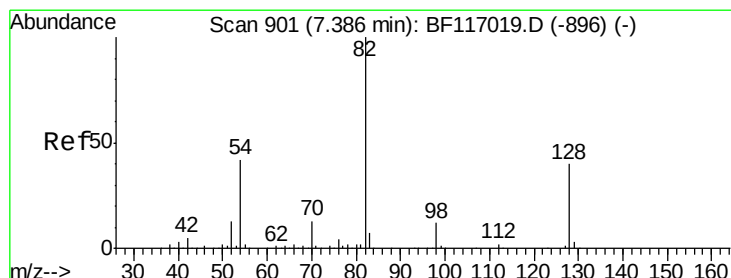
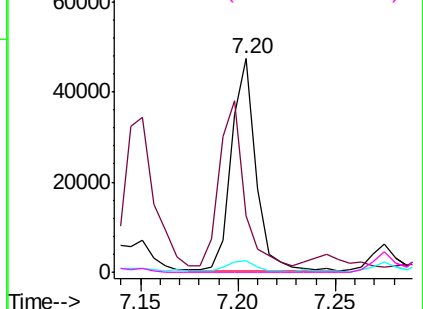


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 26.247 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

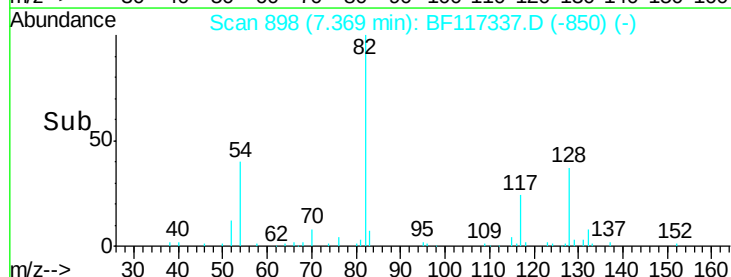
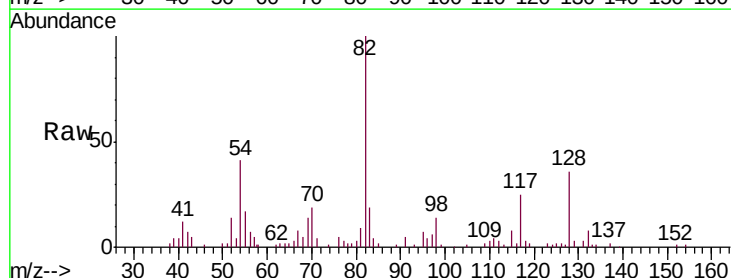
Tgt Ion: 82 Resp: 79359

Ion Ratio Lower Upper

82 100

128 36.1 32.3 48.5

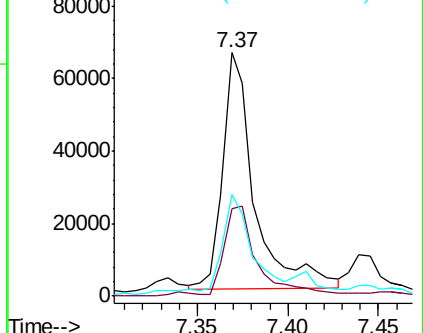
54 41.5 33.3 49.9

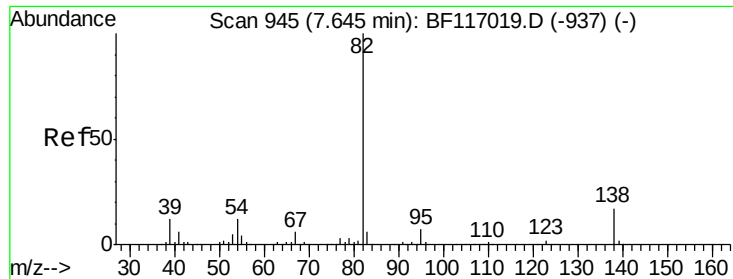


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

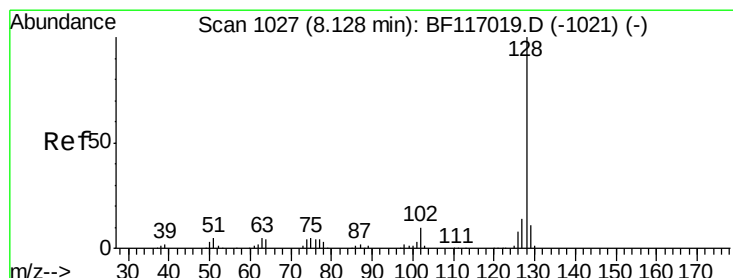
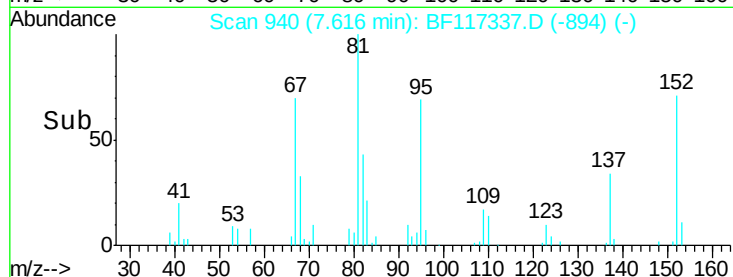
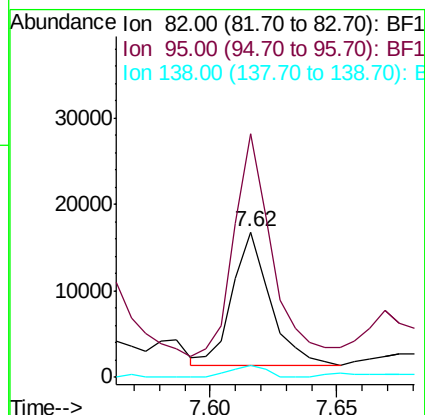
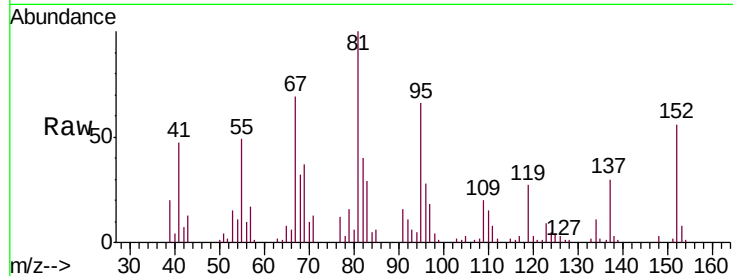




#25
Isophorone
Concen: 2.991 ng
RT: 7.62 min Scan# 940
Delta R.T. -0.03 min
Lab File: BF117337.D
Acq: 4 Oct 2019 00:38

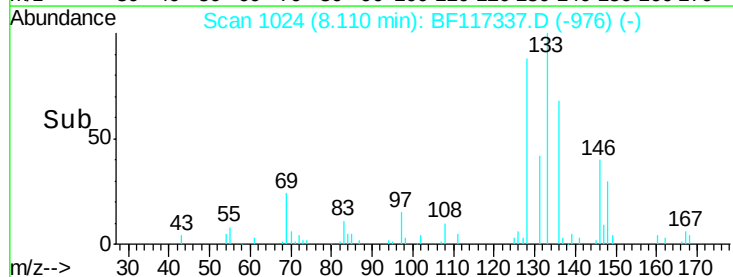
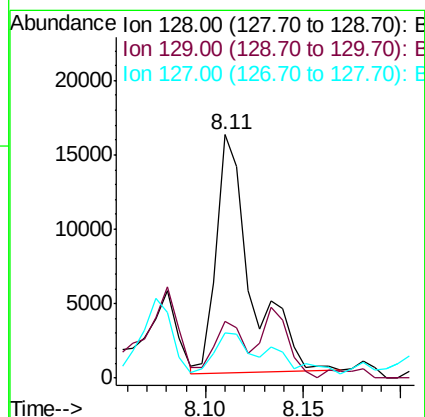
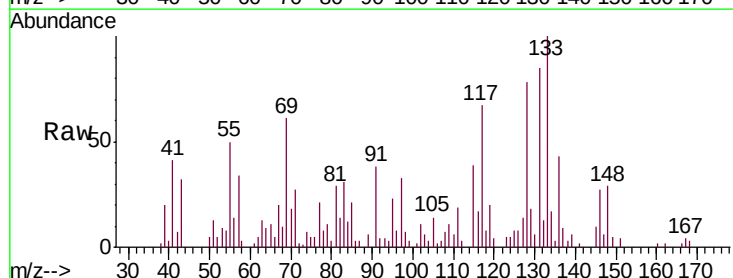
Instrument :
BNA_F
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HR-05-100219

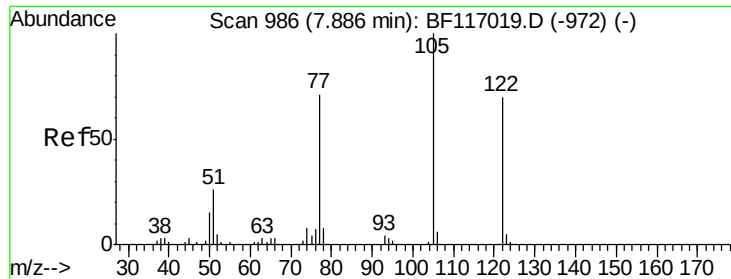
Tgt Ion: 82 Resp: 16011
Ion Ratio Lower Upper
82 100
95 167.6 5.8 8.6#
138 8.1 13.5 20.3#



#31
Naphthalene
Concen: 2.607 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF117337.D
Acq: 4 Oct 2019 00:38

Tgt Ion: 128 Resp: 19917
Ion Ratio Lower Upper
128 100
129 23.3 9.0 13.4#
127 18.4 10.8 16.2#





#32

Benzoic acid

Concen: 7.199 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

Instrument :

BNA_F

ClientSampleId :

HR-05-100219

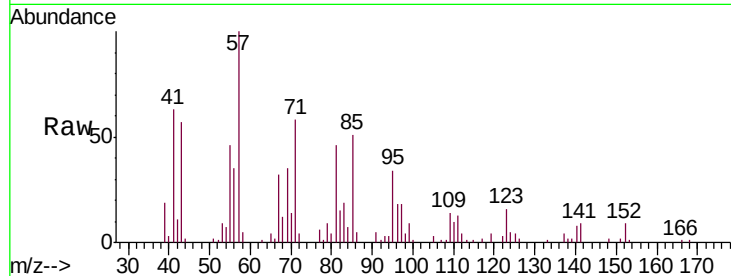
Tgt Ion:122 Resp: 1078

Ion Ratio Lower Upper

122 100

105 116.1 114.8 154.8

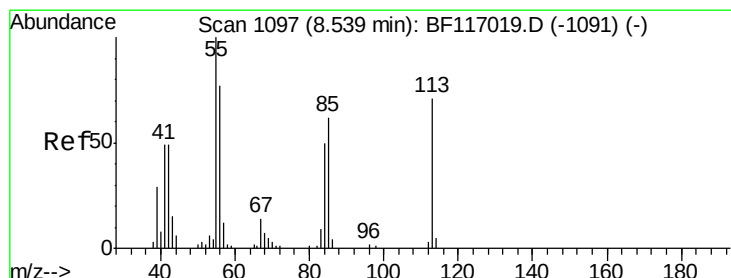
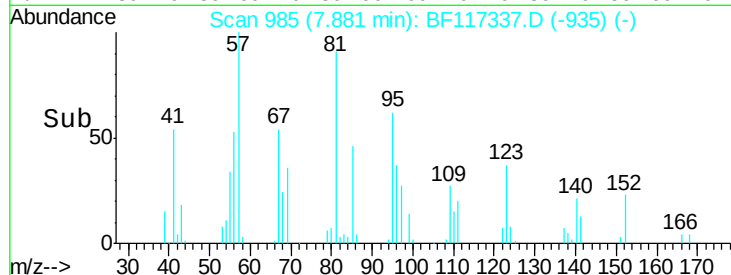
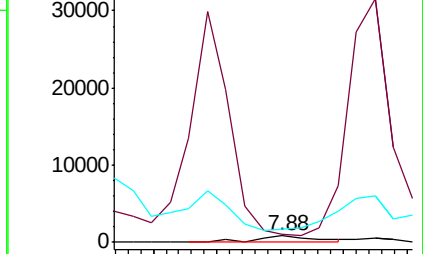
77 203.5 78.7 118.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#35

Caprolactam

Concen: 13.040 ng

RT: 8.51 min Scan# 1092

Delta R.T. -0.03 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

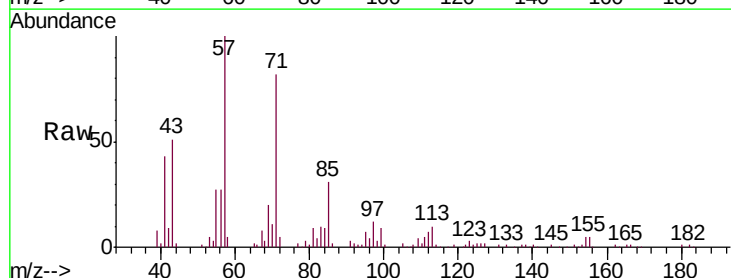
Tgt Ion:113 Resp: 9406

Ion Ratio Lower Upper

113 100

55 258.6 120.6 160.6#

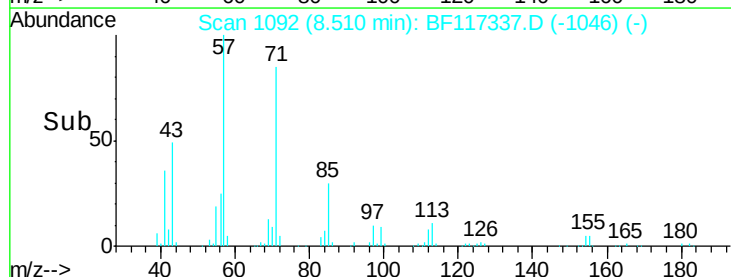
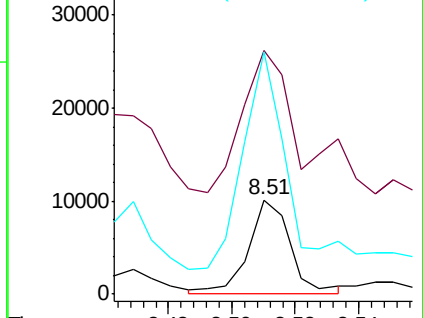
56 257.4 88.8 128.8#

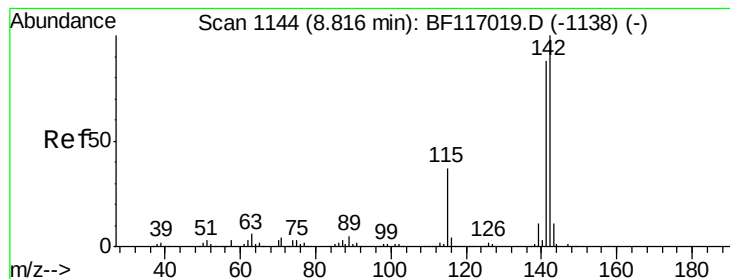


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1





#37

2-Methylnaphthalene

Concen: 3.099 ng

RT: 8.80 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

Instrument :

BNA_F

ClientSampleId :

HR-05-100219

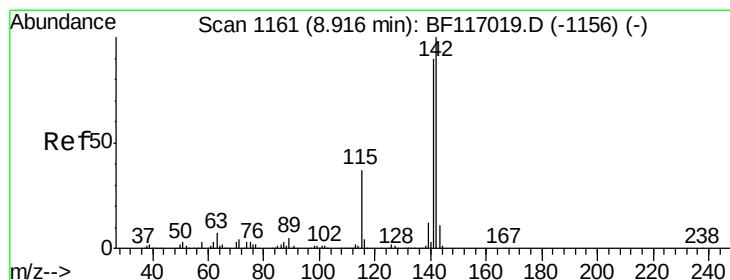
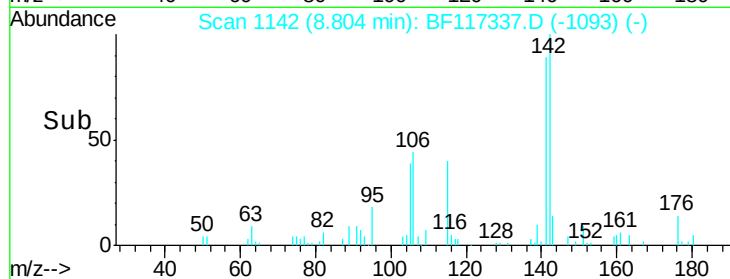
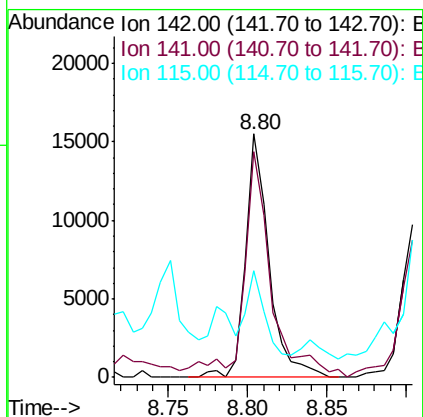
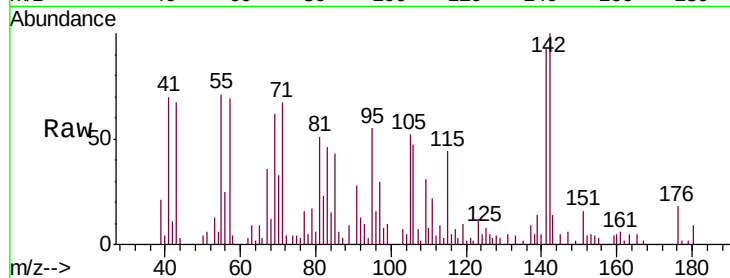
Tgt Ion:142 Resp: 15943

Ion Ratio Lower Upper

142 100

141 92.7 70.7 106.1

115 44.1 29.4 44.0#



#38

1-Methylnaphthalene

Concen: 2.188 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

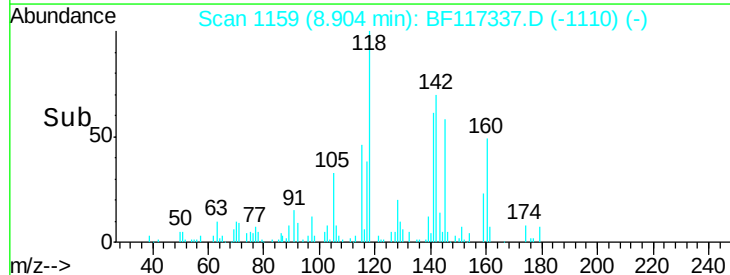
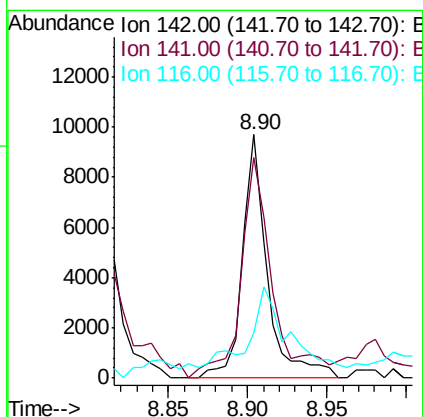
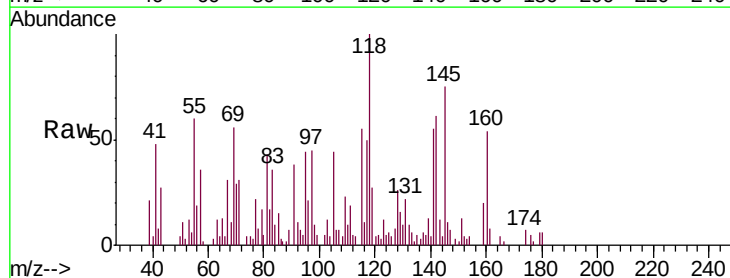
Tgt Ion:142 Resp: 10545

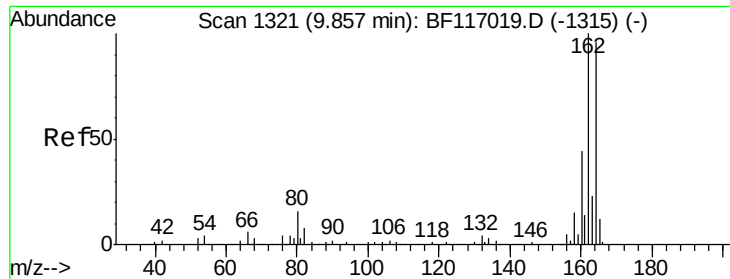
Ion Ratio Lower Upper

142 100

141 90.6 71.9 107.9

116 18.7 3.2 4.8#

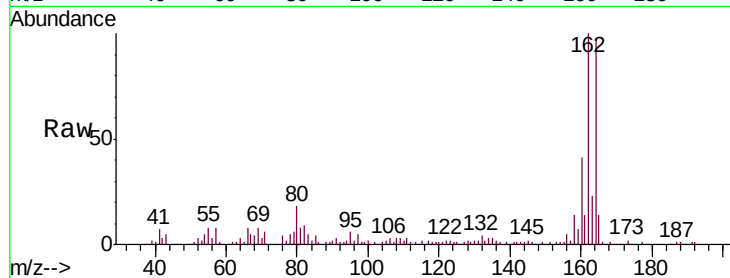




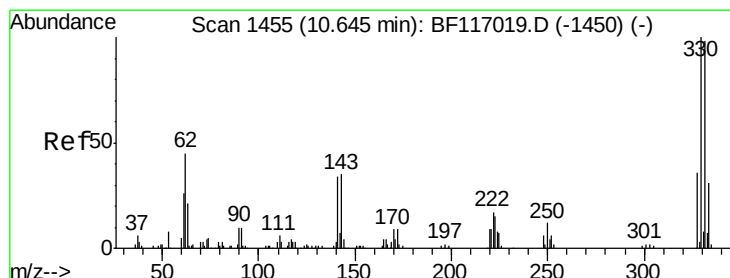
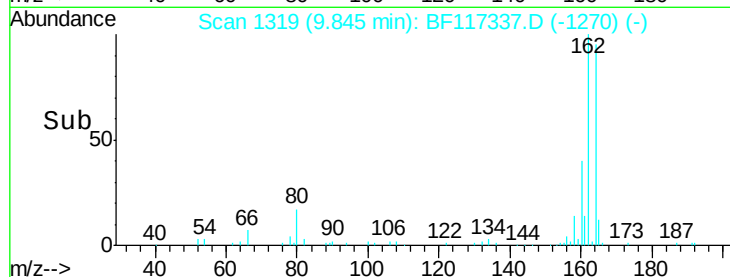
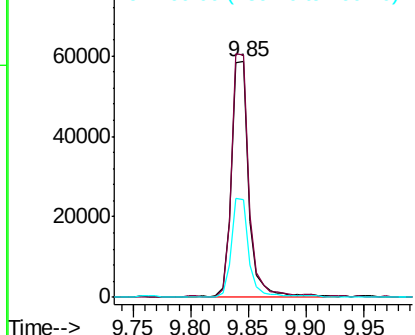
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117337.D
Acq: 4 Oct 2019 00:38

Instrument :
BNA_F
ClientSampleId :
HR-05-100219

Tgt Ion:164 Resp: 61230
Ion Ratio Lower Upper
164 100
162 102.8 83.4 125.2
160 41.8 36.4 54.6

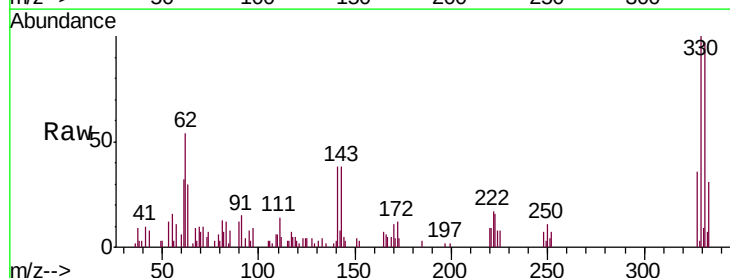


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

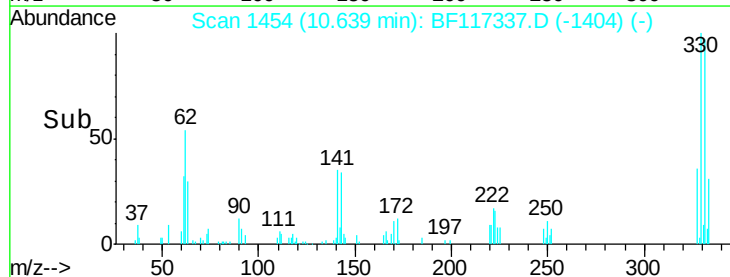
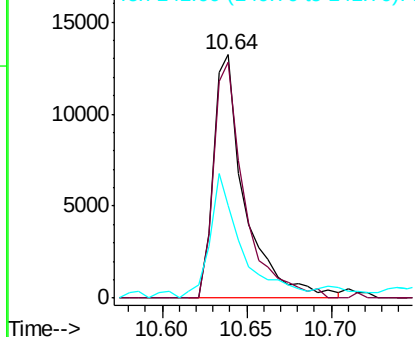


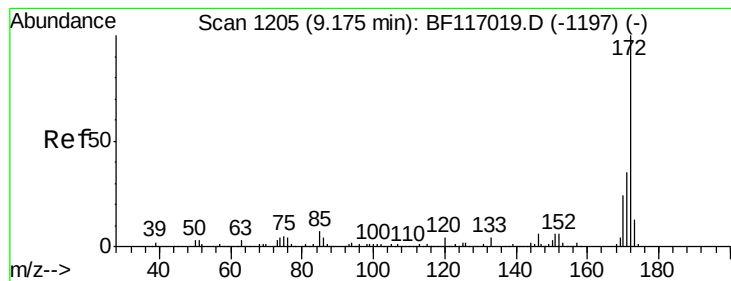
#42
2,4,6-Tribromophenol
Concen: 33.749 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117337.D
Acq: 4 Oct 2019 00:38

Tgt Ion:330 Resp: 17271
Ion Ratio Lower Upper
330 100
332 95.1 78.0 117.0
141 52.0 35.8 53.6



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: 31.864 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

Instrument :

BNA_F

ClientSampleId :

HR-05-100219

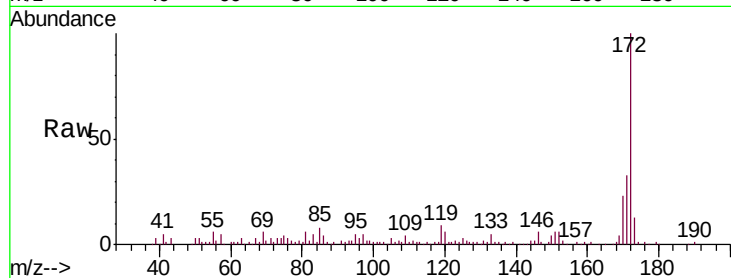
Tgt Ion:172 Resp: 124779

Ion Ratio Lower Upper

172 100

171 33.4 28.2 42.2

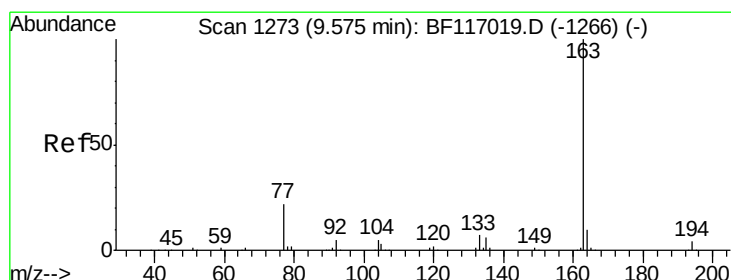
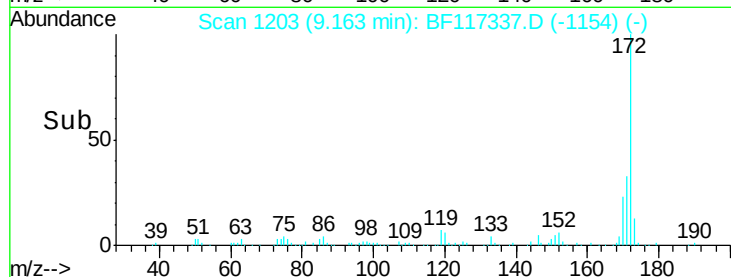
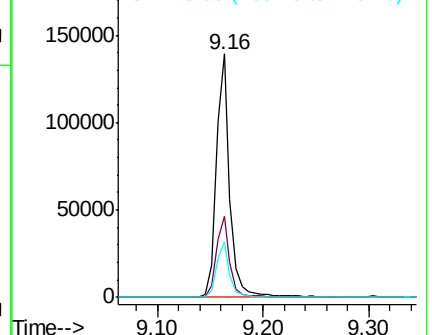
170 22.5 18.9 28.3



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: 2.725 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

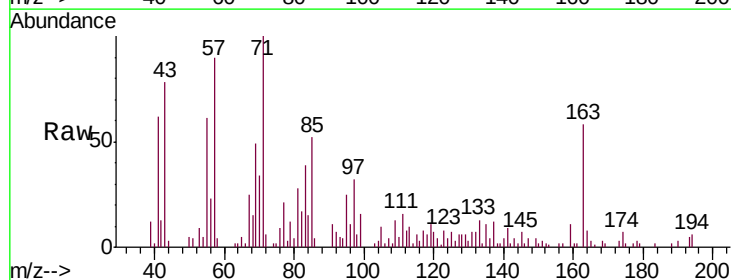
Tgt Ion:163 Resp: 11815

Ion Ratio Lower Upper

163 100

194 10.6 2.9 4.3#

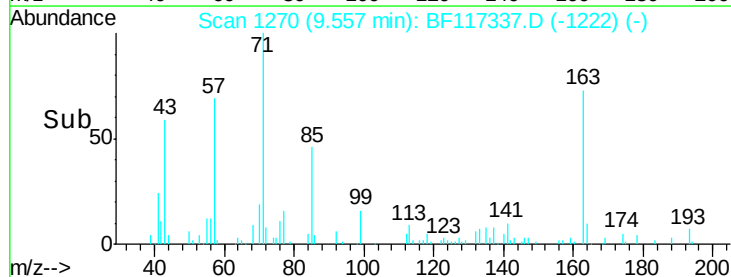
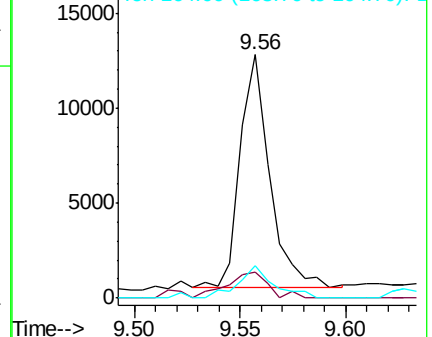
164 13.1 8.2 12.4#

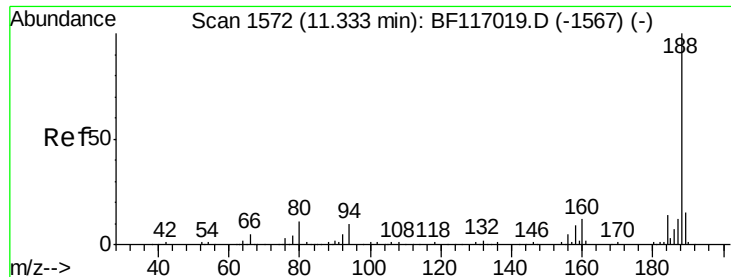


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

Instrument :

BNA_F

ClientSampleId :

HR-05-100219

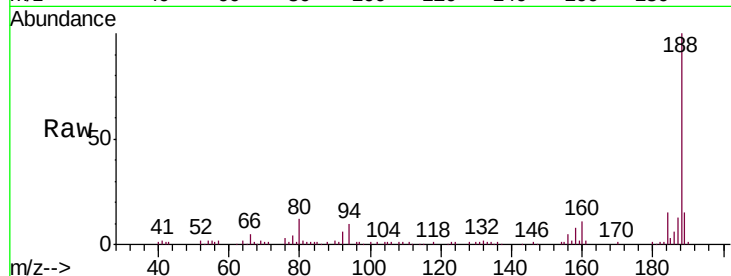
Tgt Ion:188 Resp: 96783

Ion Ratio Lower Upper

188 100

94 10.0 8.2 12.2

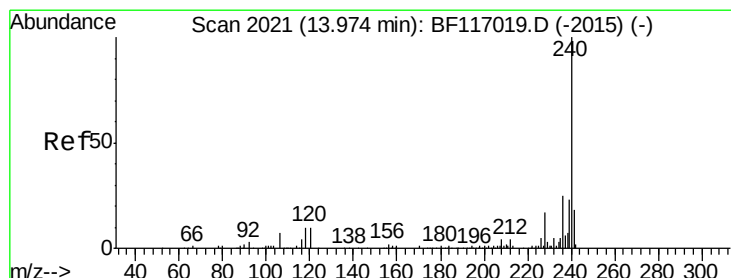
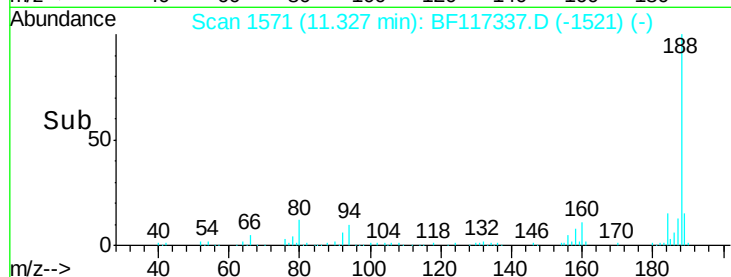
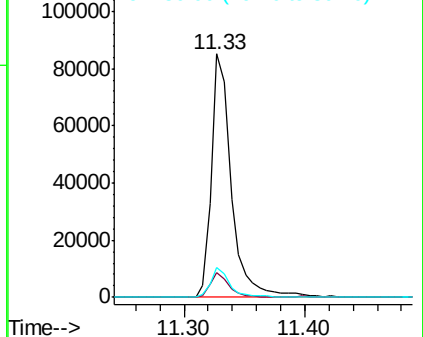
80 12.4 9.0 13.6



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: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

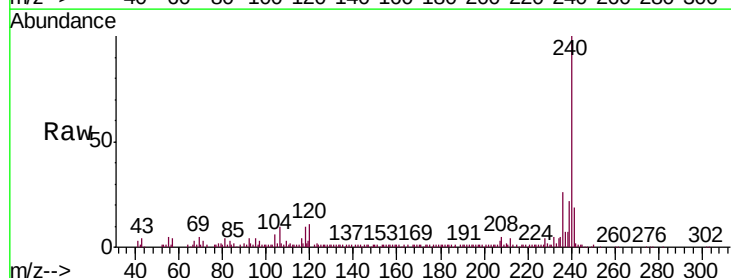
Tgt Ion:240 Resp: 84586

Ion Ratio Lower Upper

240 100

120 11.4 8.3 12.5

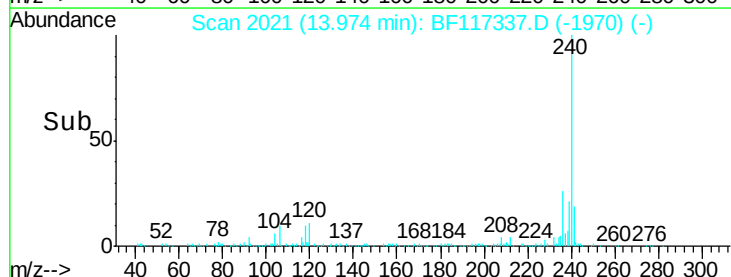
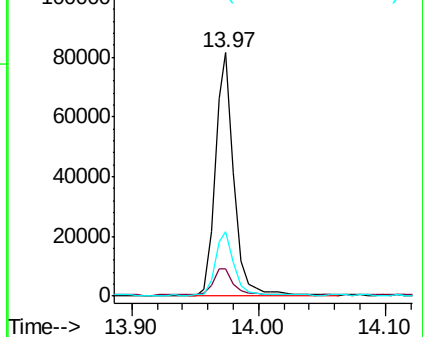
236 26.4 20.3 30.5

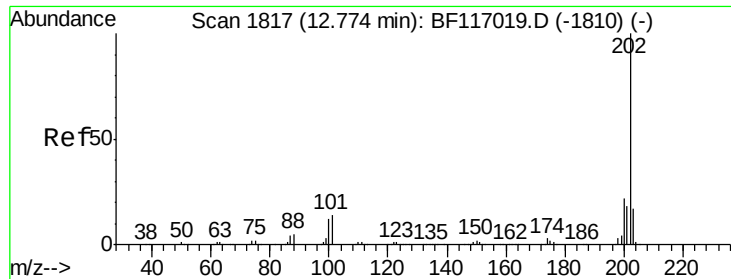


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

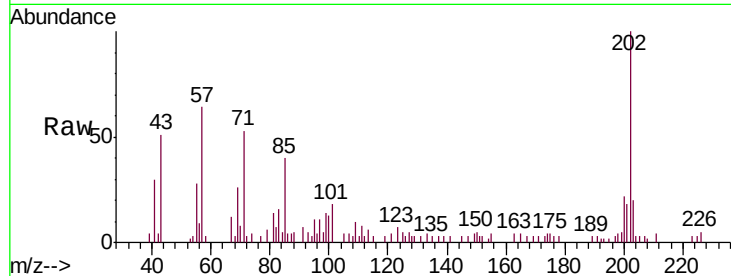




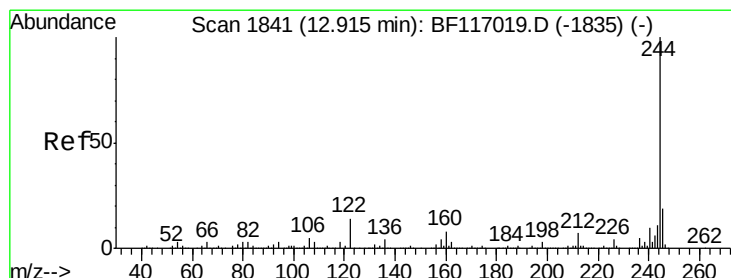
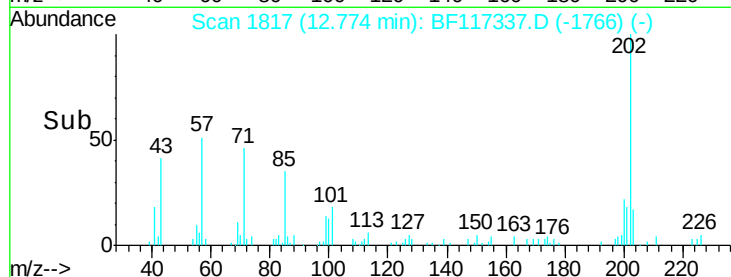
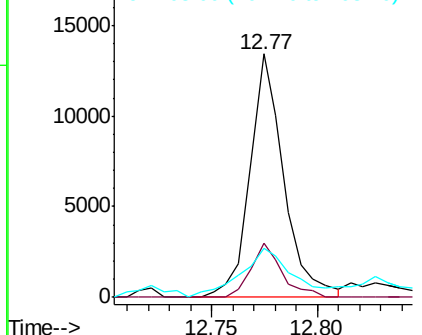
#78
 Pyrene
 Concen: 2.114 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: BF117337.D
 Acq: 4 Oct 2019 00:38

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-100219

Tgt Ion: 202 Resp: 15005
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.2 25.8
 203 20.0 14.0 21.0

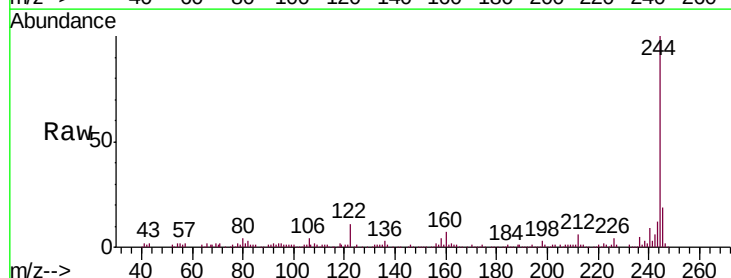


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

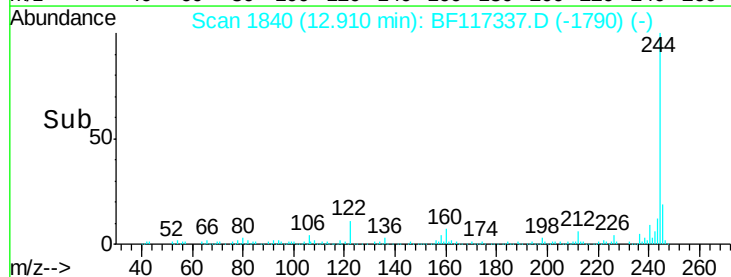
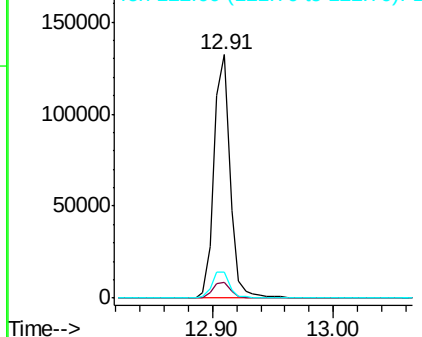


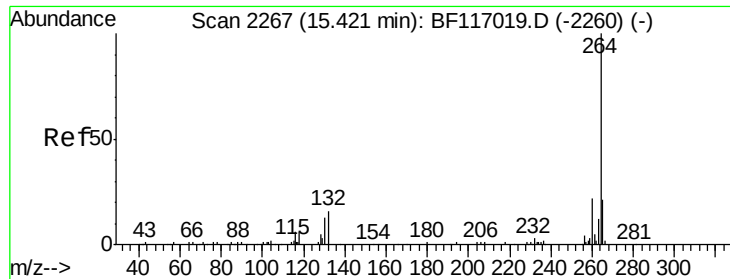
#79
 Terphenyl-d14
 Concen: 26.767 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117337.D
 Acq: 4 Oct 2019 00:38

Tgt Ion: 244 Resp: 121126
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.8
 122 10.6 11.3 16.9#



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: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

Instrument :

BNA_F

ClientSampleId :

HR-05-100219

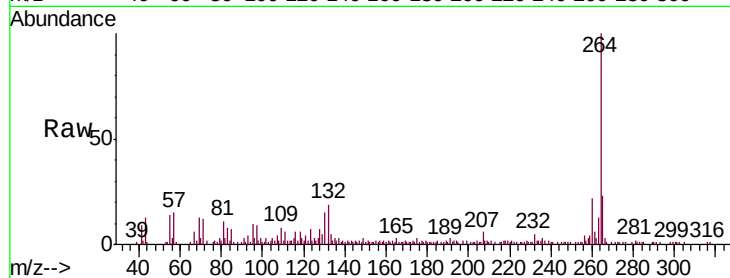
Tgt Ion:264 Resp: 63011

Ion Ratio Lower Upper

264 100

260 22.1 17.6 26.4

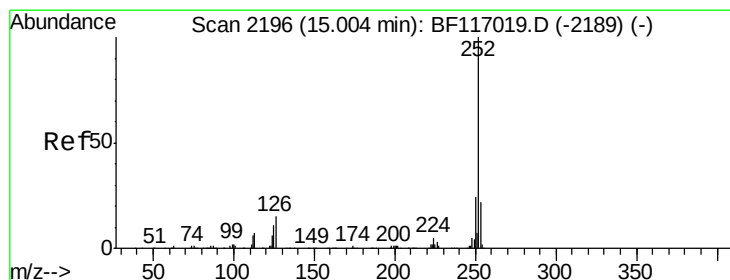
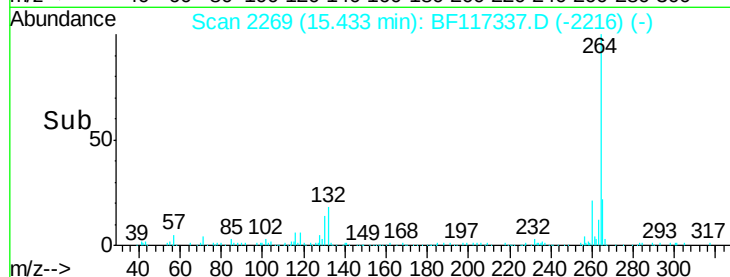
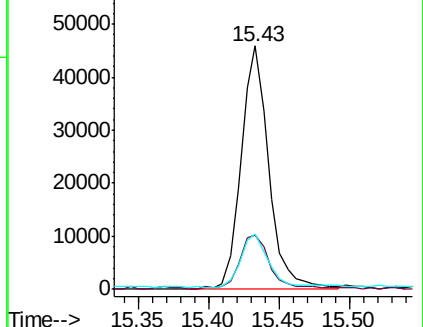
265 22.5 16.6 24.8



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: 2.577 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

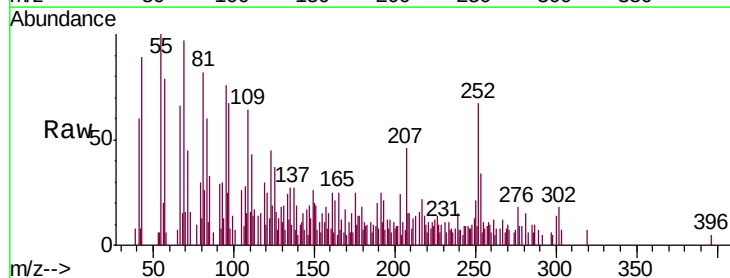
Tgt Ion:252 Resp: 9835

Ion Ratio Lower Upper

252 100

253 50.7 17.6 26.4#

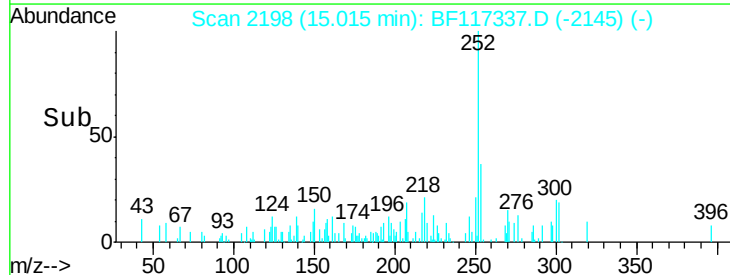
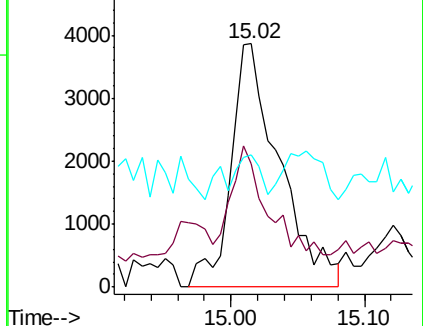
125 54.3 8.6 12.8#

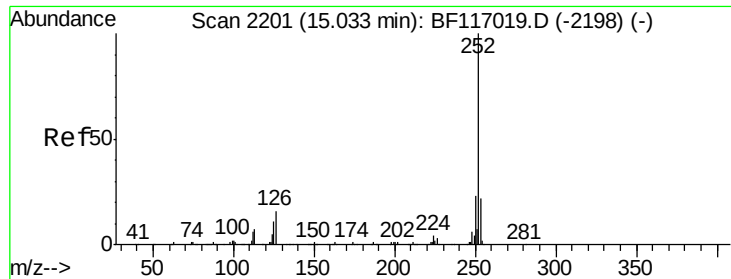


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.720 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF117337.D

Acq: 4 Oct 2019 00:38

Instrument :

BNA_F

ClientSampleId :

HR-05-100219

Tgt Ion:252 Resp: 9835

Ion Ratio Lower Upper

252 100

253 50.7 17.4 26.2#

125 54.3 8.8 13.2#

