

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117874.D
 Acq On : 19 Nov 2019 21:58
 Operator : JU
 Sample : K5864-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 00:33:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	204490	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	737470	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	330587	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	495941	20.00	ng	0.00
76) Chrysene-d12	14.11	240	398923	20.00	ng	0.00
87) Perylene-d12	15.62	264	323744	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1073783	92.95	ng	0.00
7) Phenol-d6	6.54	99	1392067	99.90	ng	0.00
23) Nitrobenzene-d5	7.47	82	833273	67.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	278600	79.60	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	1332869	72.33	ng	0.00
79) Terphenyl-d14	13.05	244	1172171	53.70	ng	0.00

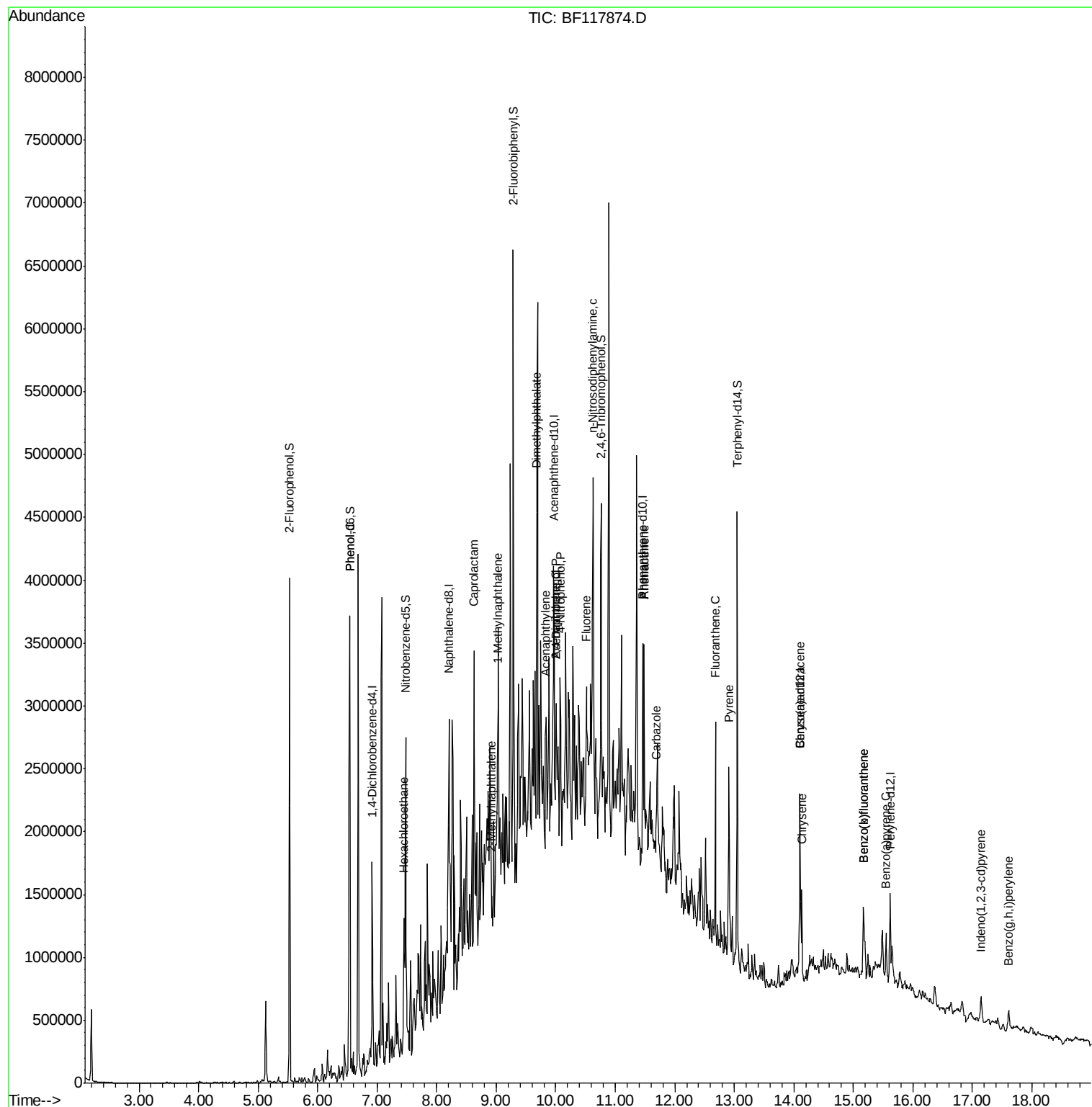
Target Compounds				Qvalue		
9) Benzaldehyde	6.45	77	3078	Below Cal	#	1
10) Phenol	6.55	94	75189	5.193 ng		93
18) Hexachloroethane	7.45	117	42316	7.722 ng	#	1
35) Caprolactam	8.63	113	63073	18.902 ng	#	46
37) 2-Methylnaphthalene	8.92	142	53534	2.305 ng		96
38) 1-Methylnaphthalene	9.02	142	200697	9.139 ng	#	97
49) Acenaphthylene	9.83	152	67953	2.310 ng	#	55
50) Dimethylphthalate	9.67	163	143987	6.211 ng	#	90
52) Acenaphthene	10.00	154	63475	3.368 ng	#	82
54) 2,4-Dinitrophenol	10.00	184	682	7.463 ng	#	1
56) 4-Nitrophenol	10.07	139	25145	5.557 ng	#	38
58) Fluorene	10.52	166	153838	7.608 ng	#	93
66) n-Nitrosodiphenylamine	10.63	169	142404	9.866 ng	#	54
71) Phenanthrene	11.49	178	571643	22.926 ng		97
72) Anthracene	11.49	178	571643	23.123 ng		98
73) Carbazole	11.69	167	56715	2.625 ng	#	67
75) Fluoranthene	12.68	202	623675	23.947 ng		100
78) Pyrene	12.91	202	604907	18.763 ng		98
81) Benzo(a)anthracene	14.10	228	245467	9.312 ng		93
83) Chrysene	14.13	228	277671	10.870 ng		96
86) Indeno(1,2,3-cd)pyrene	17.14	276	124280	5.716 ng		94
88) Benzo(b)fluoranthene	15.17	252	395660	18.811 ng	#	94
89) Benzo(k)fluoranthene	15.17	252	395660	19.964 ng	#	92
90) Benzo(a)pyrene	15.55	252	189704	10.257 ng		97
92) Benzo(g,h,i)perylene	17.61	276	115893	7.309 ng		98

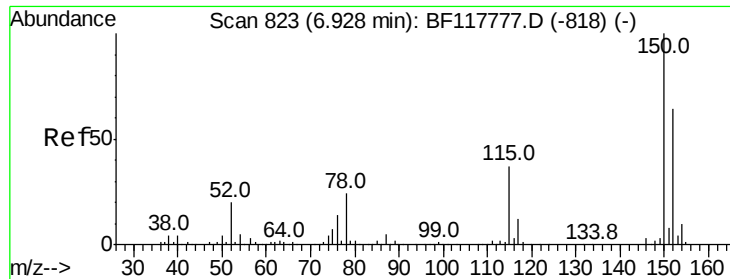
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117874.D
Acq On : 19 Nov 2019 21:58
Operator : JU
Sample : K5864-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 20 00:33:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration



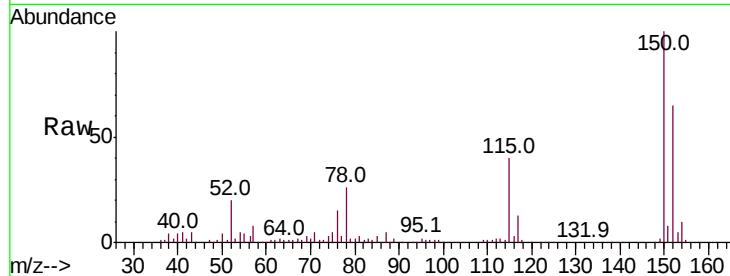


#1

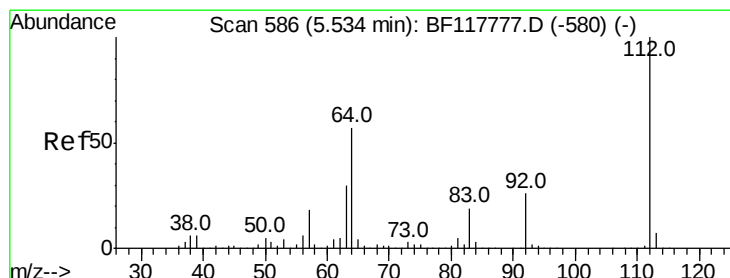
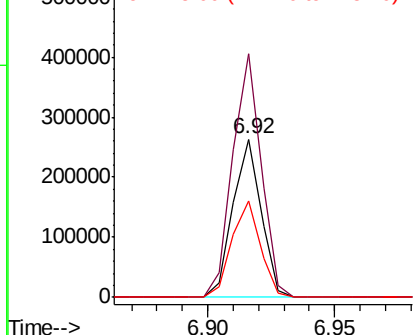
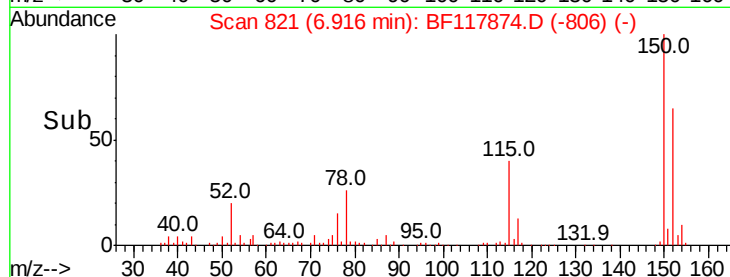
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 204490
Ion Ratio Lower Upper
152 100
150 154.2 125.3 187.9
115 61.1 47.0 70.4



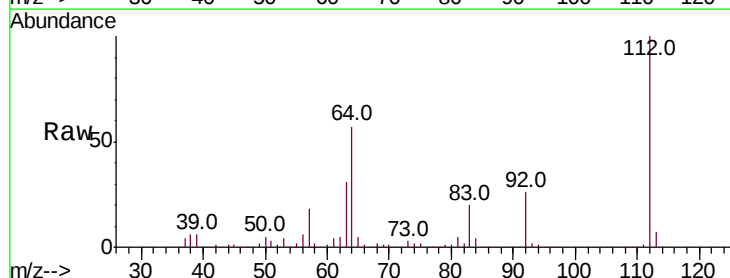
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



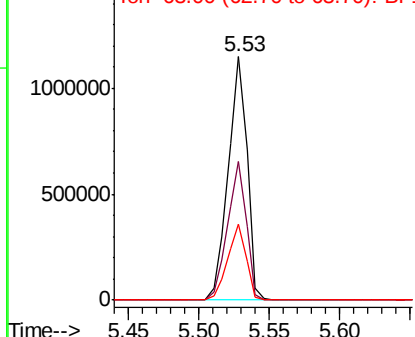
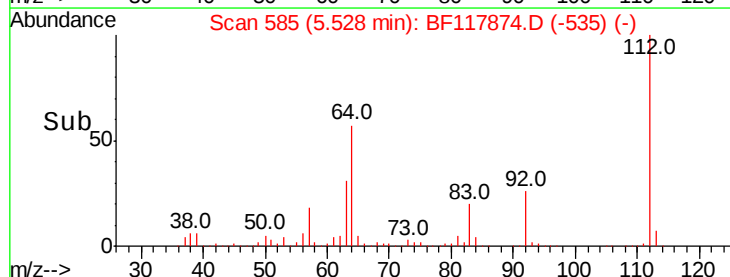
#5

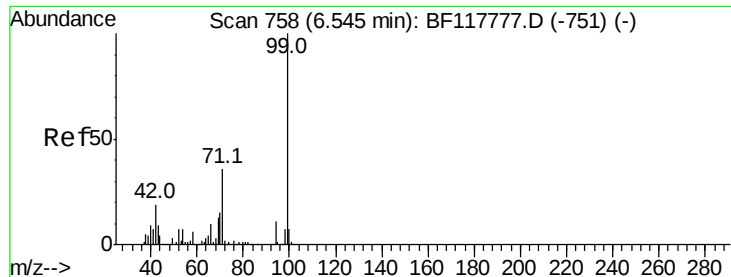
2-Fluorophenol
Concen: 92.949 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion:112 Resp: 1073783
Ion Ratio Lower Upper
112 100
64 56.9 45.6 68.4
63 30.9 24.1 36.1



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: 99.904 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

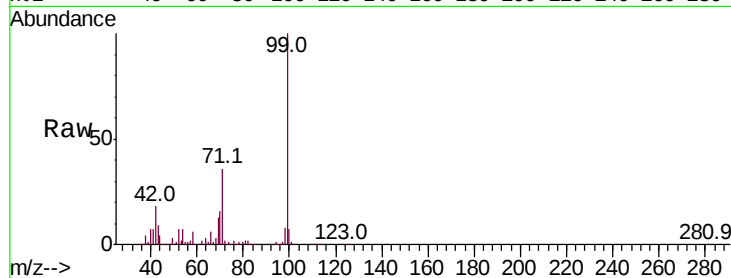
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1392067

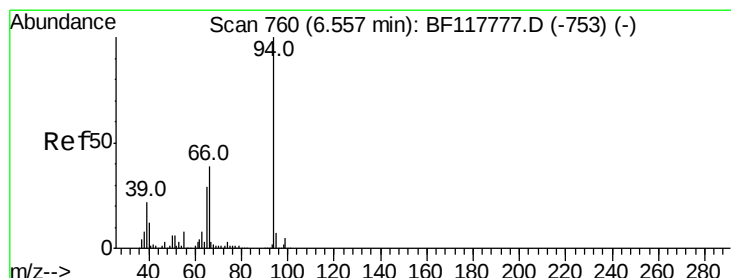
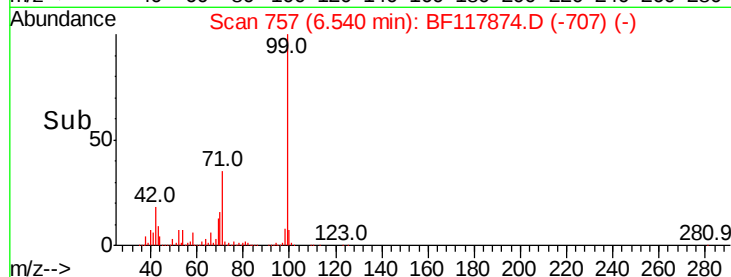
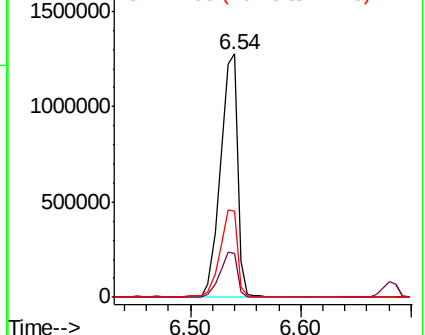
Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.9	22.3
71	35.6	28.6	43.0



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



#10

Phenol

Concen: 5.193 ng

RT: 6.55 min Scan# 758

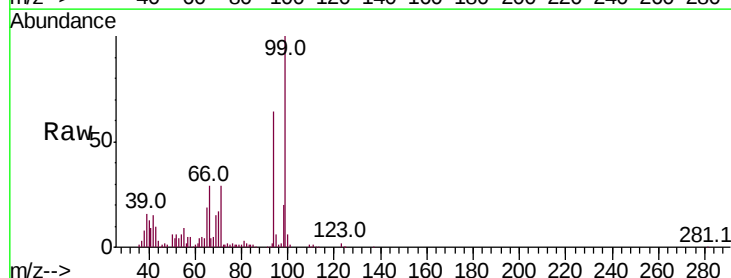
Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Tgt Ion: 94 Resp: 75189

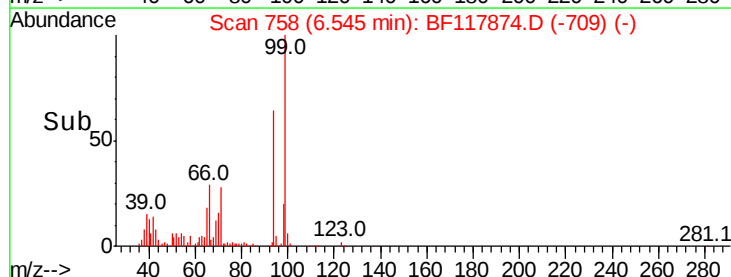
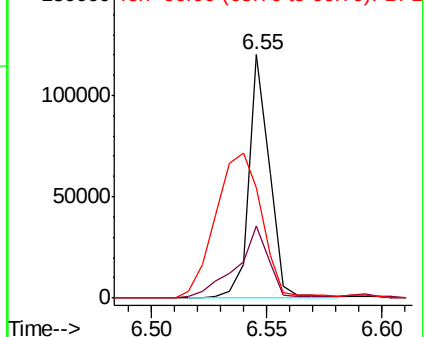
Ion	Ratio	Lower	Upper
94	100		
65	29.5	8.9	48.9
66	45.4	18.7	58.7

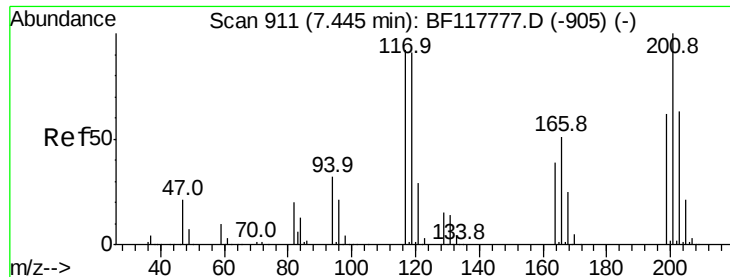


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#18

Hexachloroethane

Concen: 7.722 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Instrument :

BNA_F

ClientSampleId :

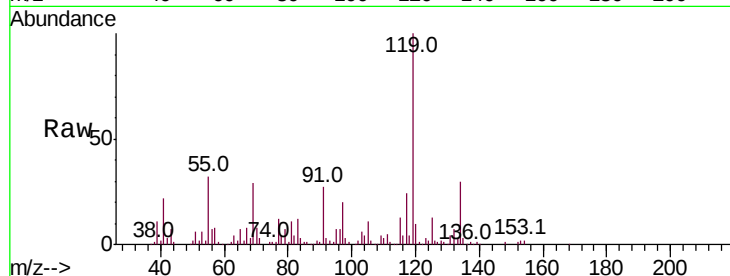
Tot Ion:117 Resp: 42316

Ion Ratio Lower Upper

117 100

119 409.6 78.7 118.1#

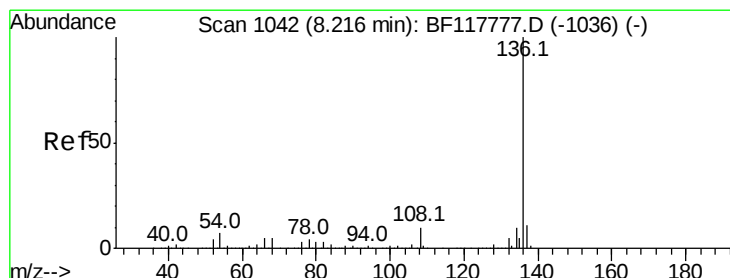
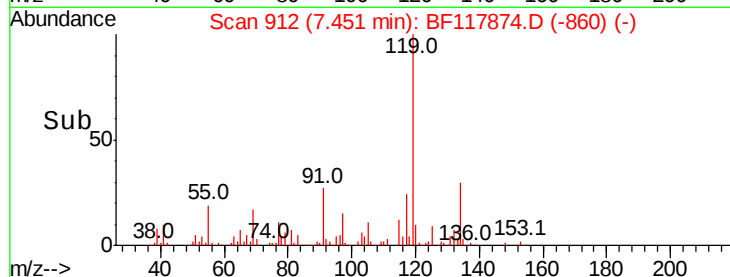
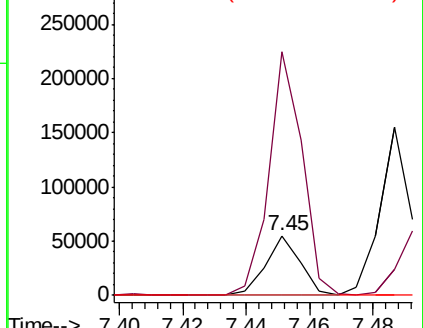
201 0.0 86.5 129.7#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Tgt Ion:136 Resp: 737470

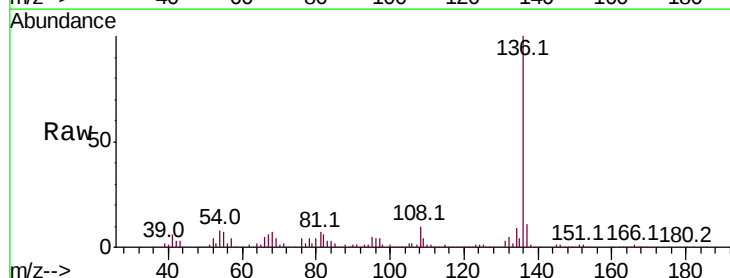
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 8.0 5.4 8.2

68 6.6 4.3 6.5#

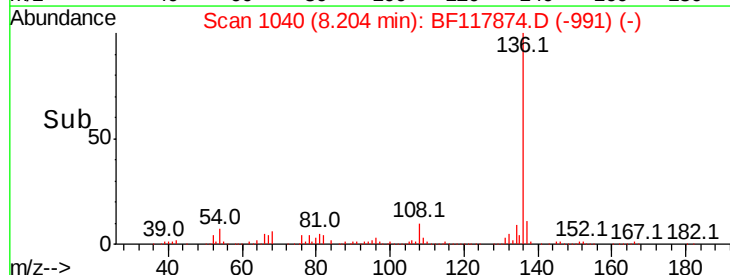
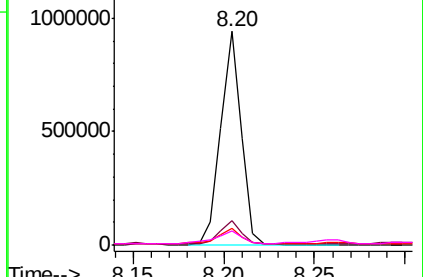


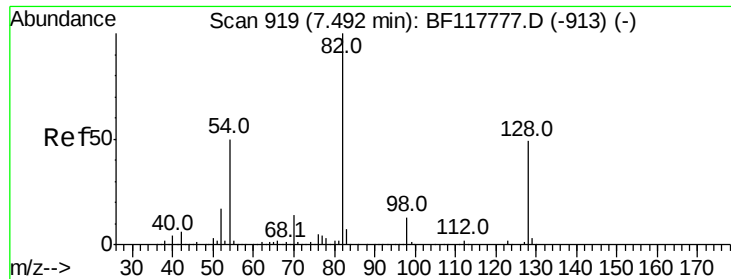
Abundance Ion 136.00 (135.70 to 136.70): E

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

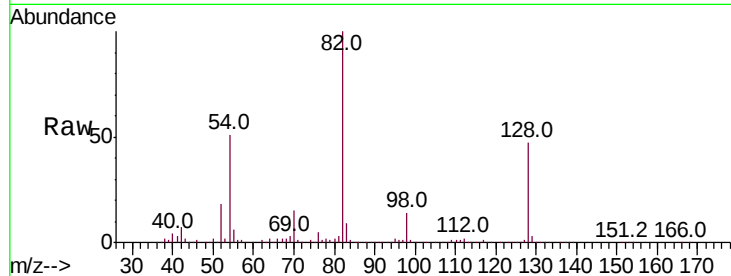




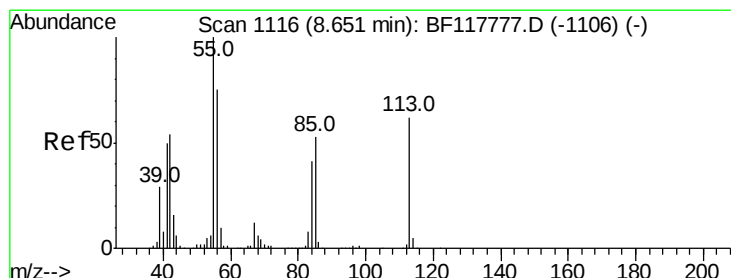
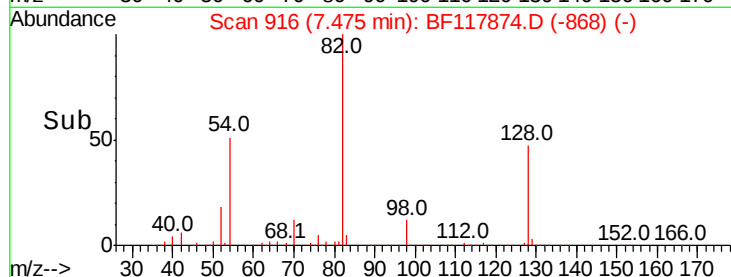
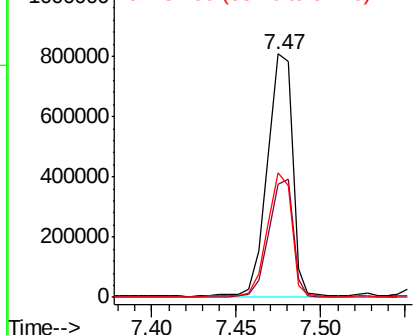
#23
Nitrobenzene-d5
Concen: 67.168 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 833273
Ion Ratio Lower Upper
82 100
128 46.7 38.9 58.3
54 51.4 39.8 59.6

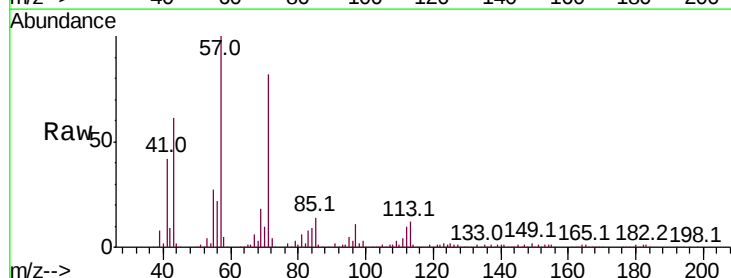


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

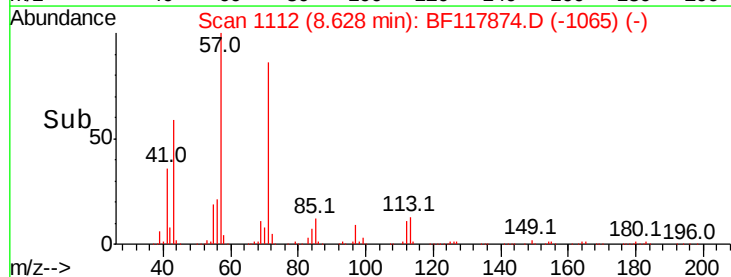
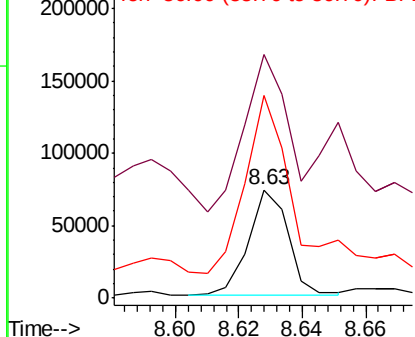


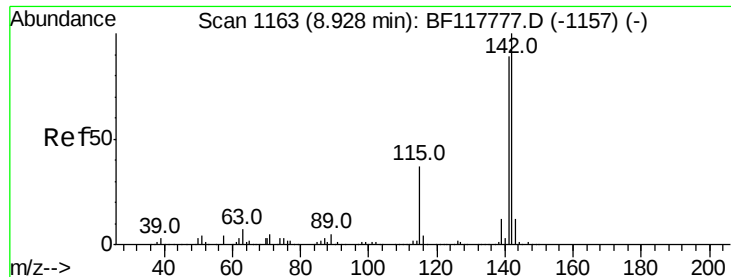
#35
Caprolactam
Concen: 18.902 ng
RT: 8.63 min Scan# 1112
Delta R.T. -0.02 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion: 113 Resp: 63073
Ion Ratio Lower Upper
113 100
55 225.3 141.1 181.1#
56 187.6 100.5 140.5#



Abundance Ion 113.00 (112.70 to 113.70): BF1
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1





#37

2-Methylnaphthalene

Concen: 2.305 ng

RT: 8.92 min Scan# 1162

Delta R.T. -0.01 min

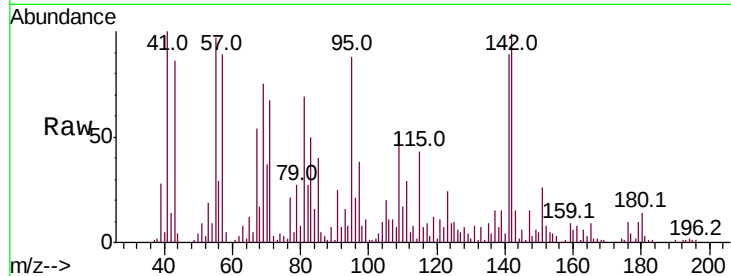
Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 53534

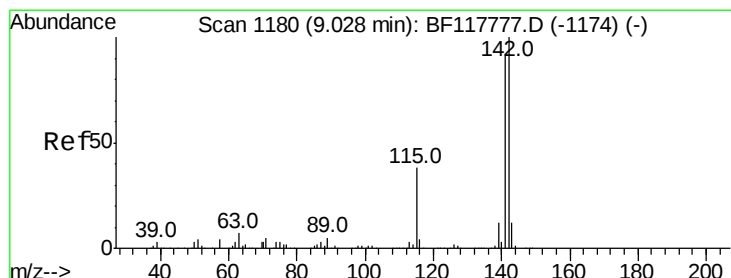
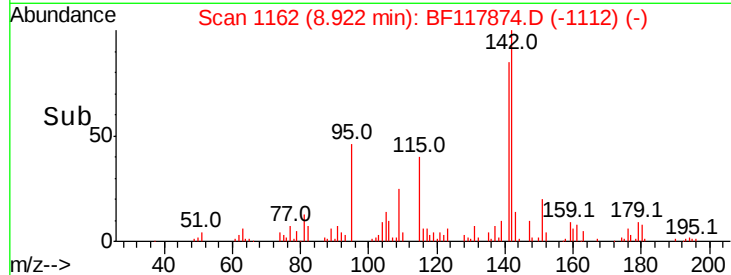
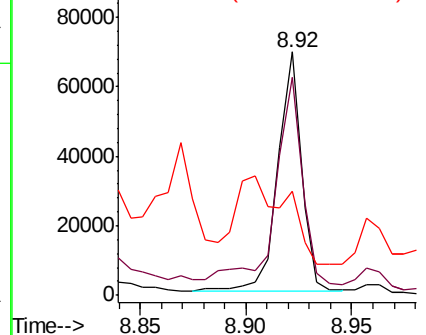
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7
115	43.0	29.2	43.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 9.139 ng

RT: 9.02 min Scan# 1179

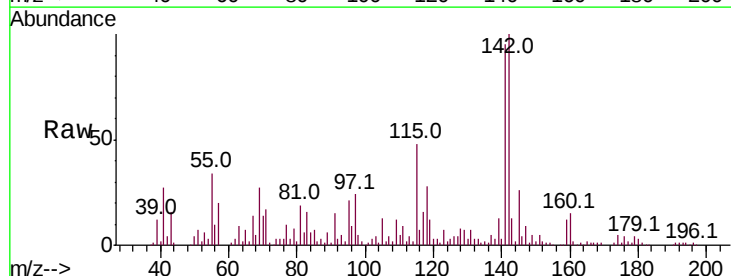
Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Tgt Ion:142 Resp: 200697

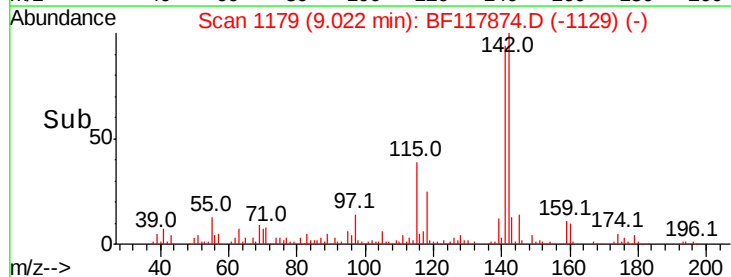
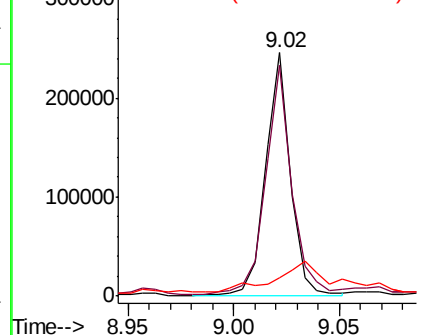
Ion	Ratio	Lower	Upper
142	100		
141	94.9	73.5	110.3
116	7.4	3.2	4.8#

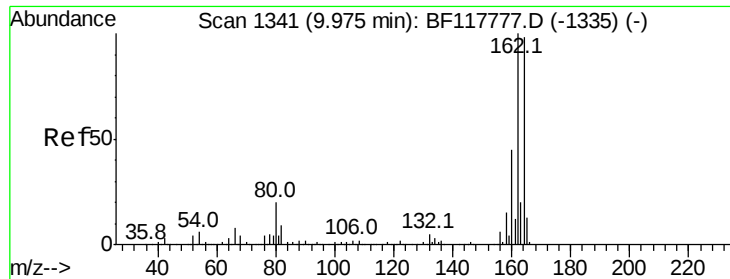


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Instrument :

BNA_F

ClientSampleId :

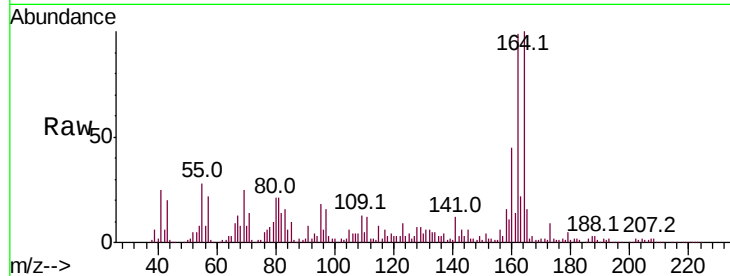
Tot Ion:164 Resp: 330587

Ion Ratio Lower Upper

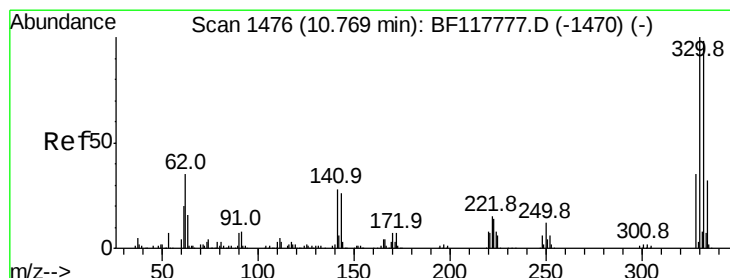
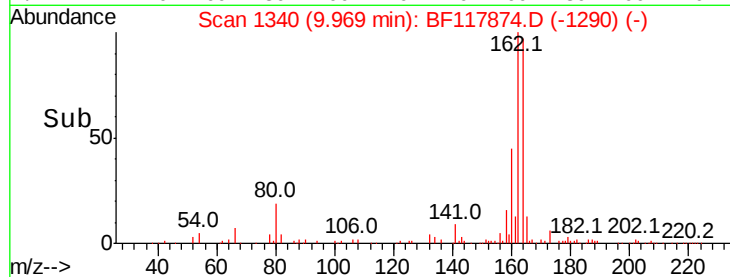
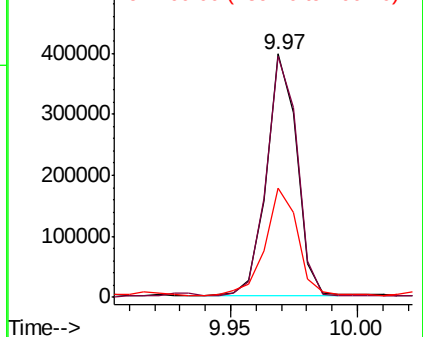
164 100

162 98.9 81.3 121.9

160 44.9 36.6 55.0



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: 79.603 ng

RT: 10.76 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

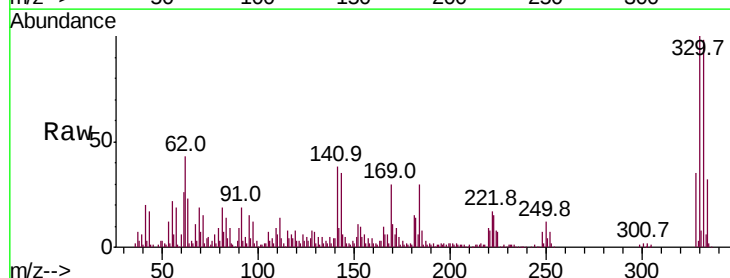
Tgt Ion:330 Resp: 278600

Ion Ratio Lower Upper

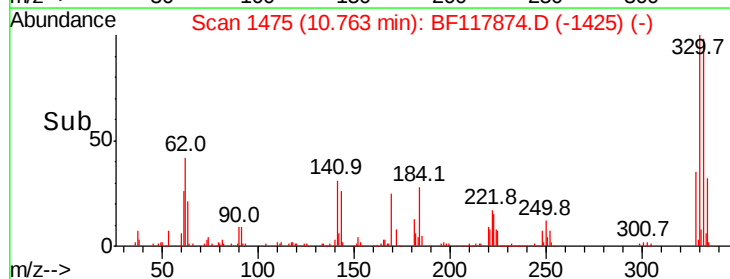
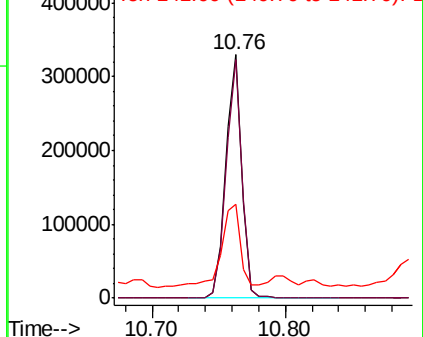
330 100

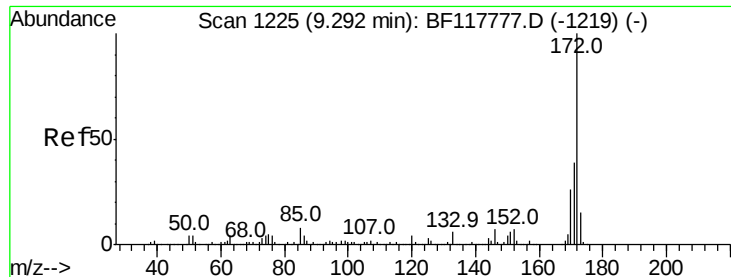
332 97.3 76.7 115.1

141 42.3 27.7 41.5#



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

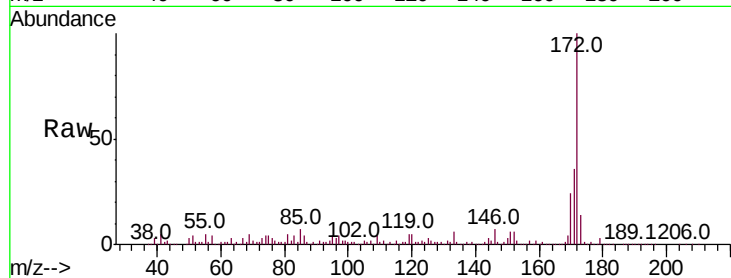




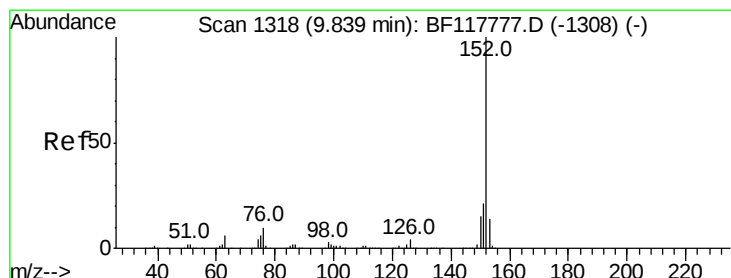
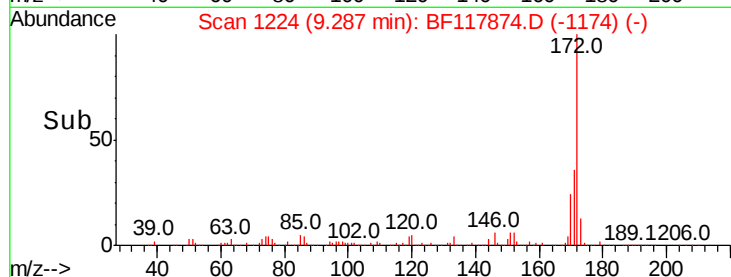
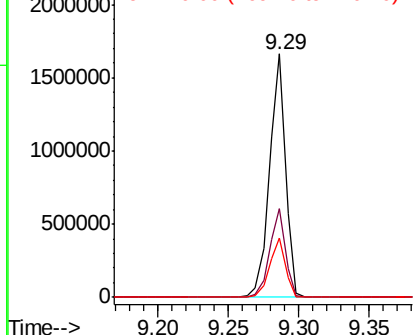
#45
2-Fluorobiphenyl
Concen: 72.332 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1332869
Ion Ratio Lower Upper
172 100
171 36.3 30.9 46.3
170 24.3 21.0 31.4

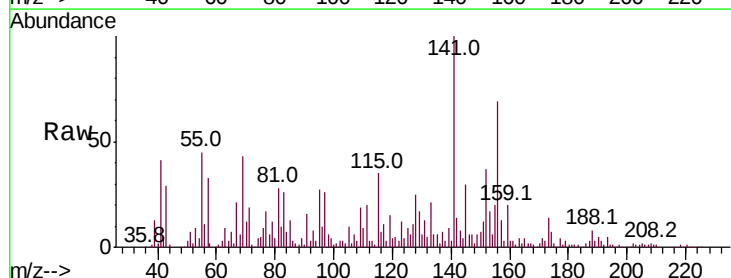


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

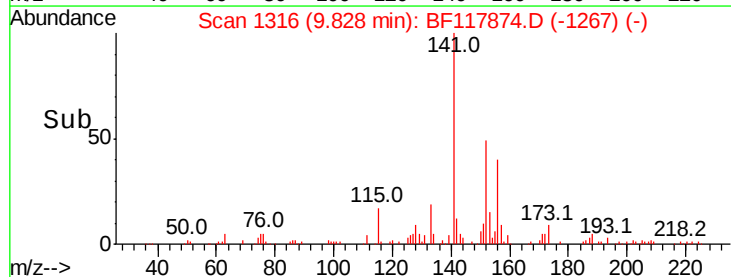
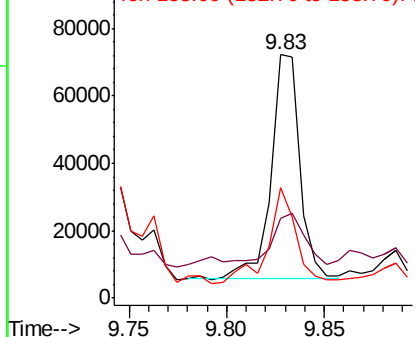


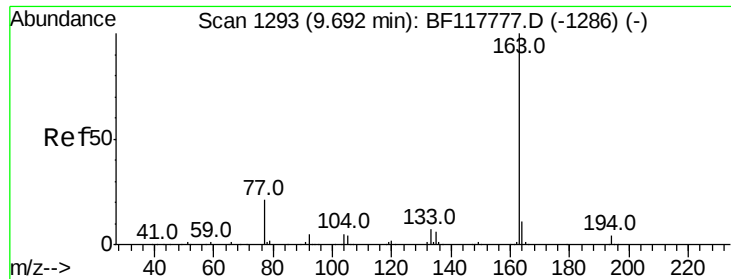
#49
Acenaphthylene
Concen: 2.310 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion:152 Resp: 67953
Ion Ratio Lower Upper
152 100
151 32.7 17.0 25.6#
153 45.5 11.0 16.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

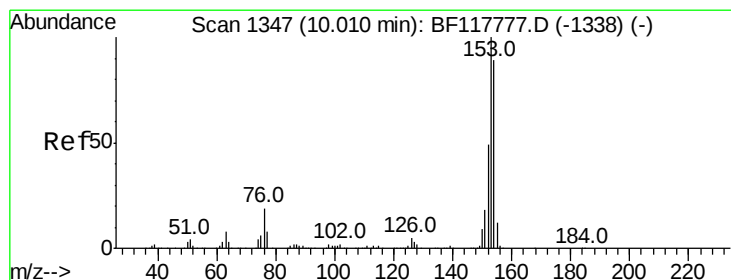
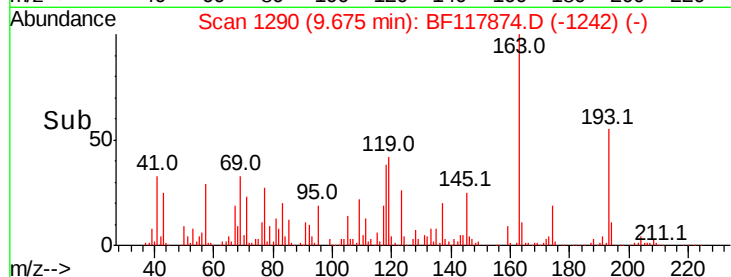
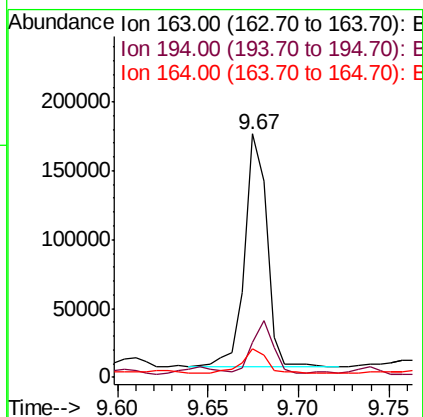
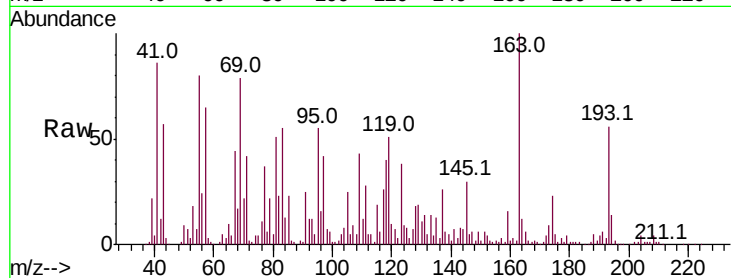




#50
Dimethylphthalate
Concen: 6.211 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

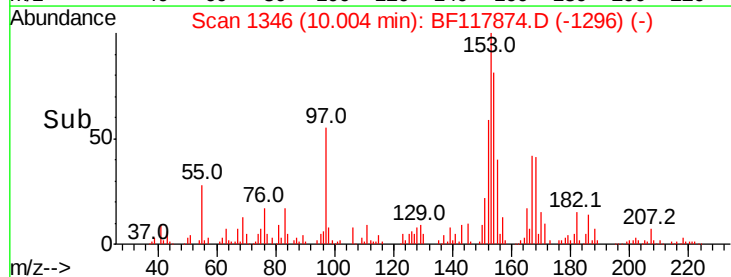
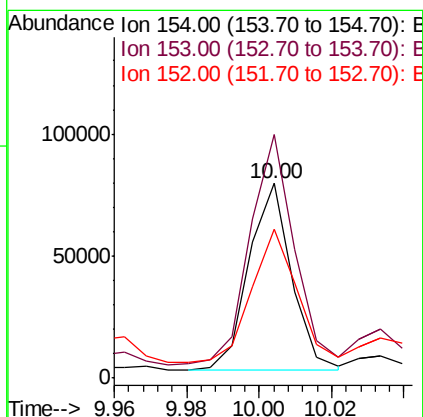
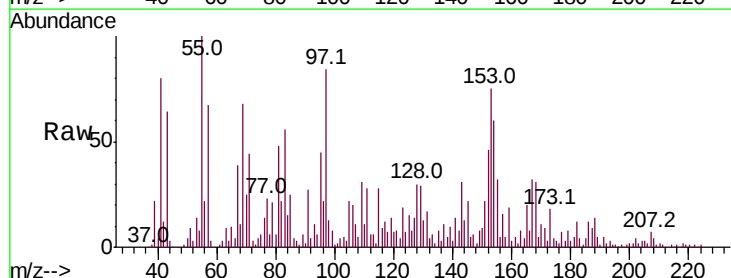
Instrument :
BNA_F
ClientSampled :

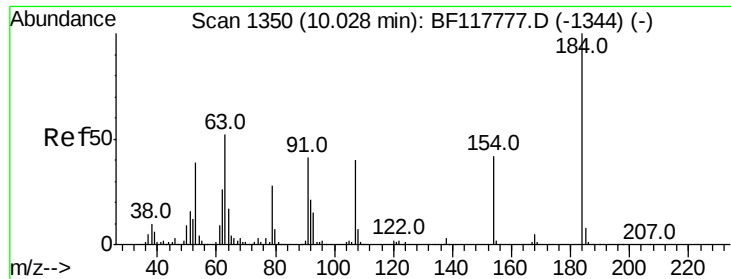
Tot Ion:163 Resp: 143987
Ion Ratio Lower Upper
163 100
194 14.4 3.3 4.9#
164 11.8 8.7 13.1



#52
Acenaphthene
Concen: 3.368 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF117874.D
Acq: 19 Nov 2019 21:58

Tgt Ion:154 Resp: 63475
Ion Ratio Lower Upper
154 100
153 125.1 90.1 135.1
152 76.5 44.0 66.0#

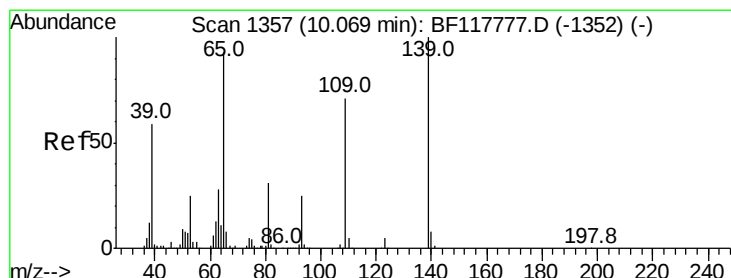
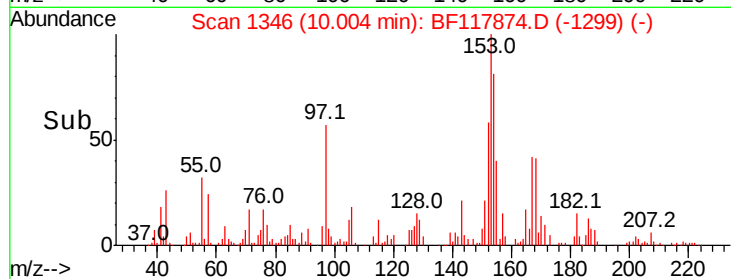
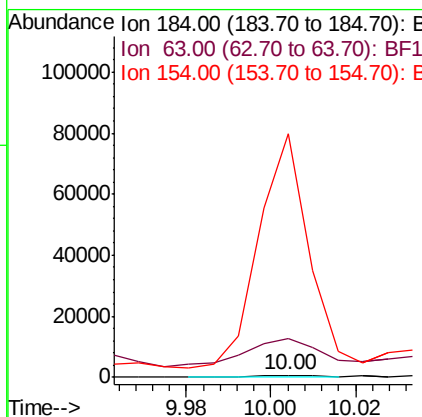
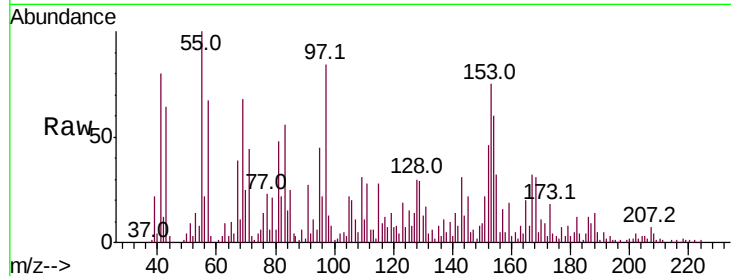




#54
 2,4-Dinitrophenol
 Concen: 7.463 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: BF117874.D
 Acq: 19 Nov 2019 21:58

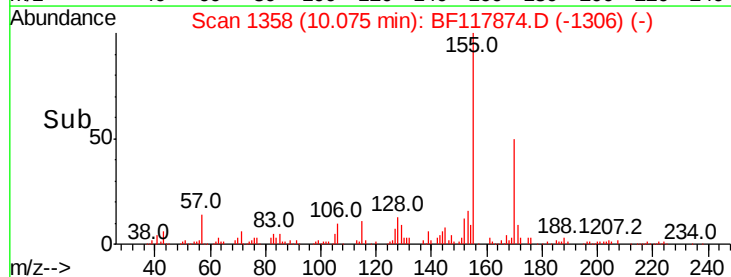
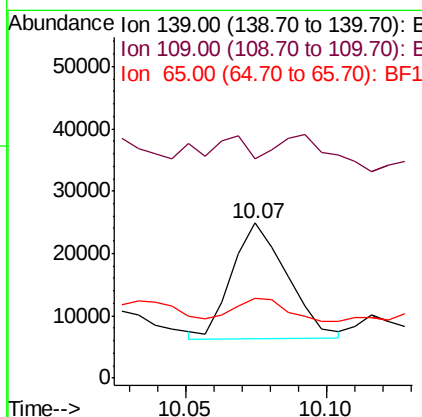
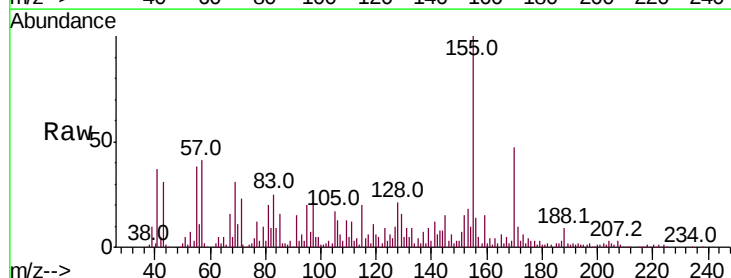
Instrument :
 BNA_F
 ClientSampled :

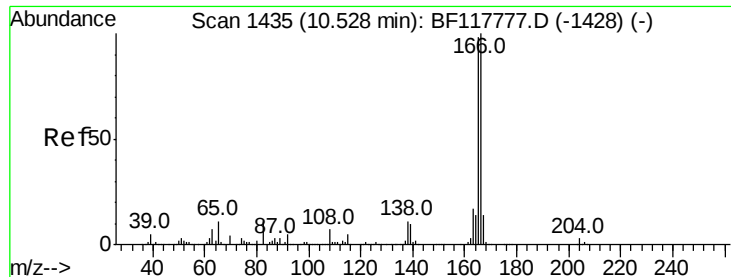
Tot Ion:184 Resp: 682
 Ion Ratio Lower Upper
 184 100
 63 1859.4 43.0 64.6#
 154 11816.3 48.0 72.0#



#56
 4-Nitrophenol
 Concen: 5.557 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. 0.01 min
 Lab File: BF117874.D
 Acq: 19 Nov 2019 21:58

Tgt Ion:139 Resp: 25145
 Ion Ratio Lower Upper
 139 100
 109 141.6 50.8 90.8#
 65 51.3 73.6 113.6#

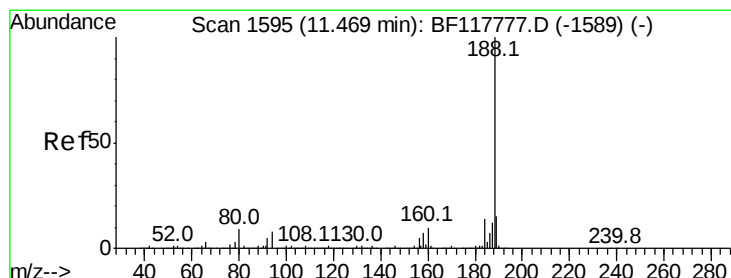
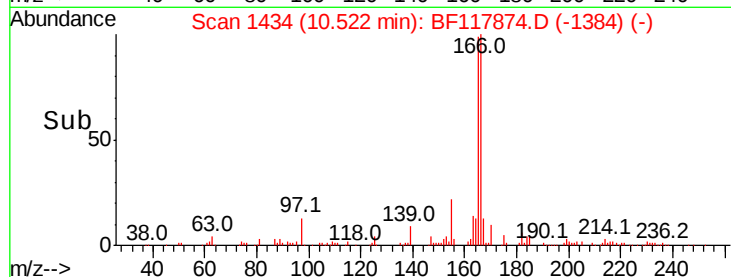
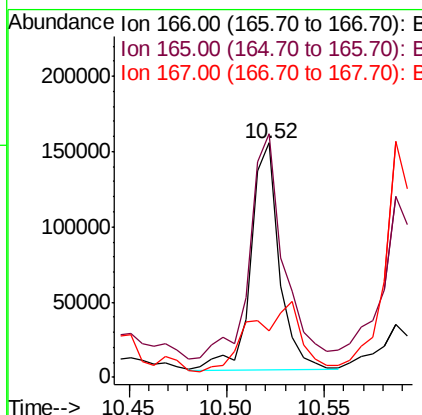
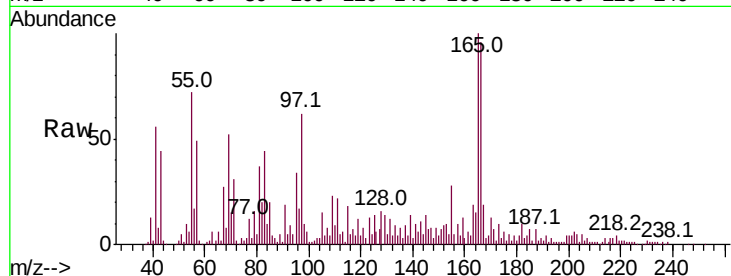




#58
 Fluorene
 Concen: 7.608 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF117874.D
 Acq: 19 Nov 2019 21:58

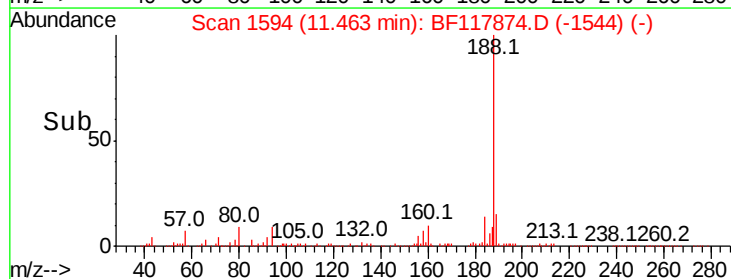
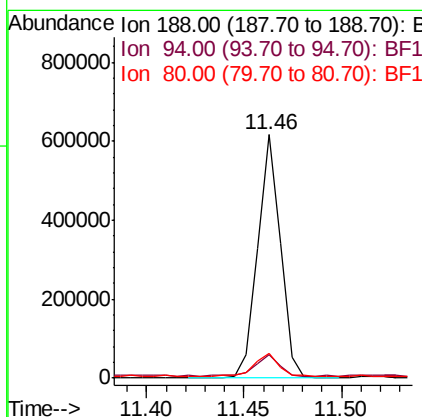
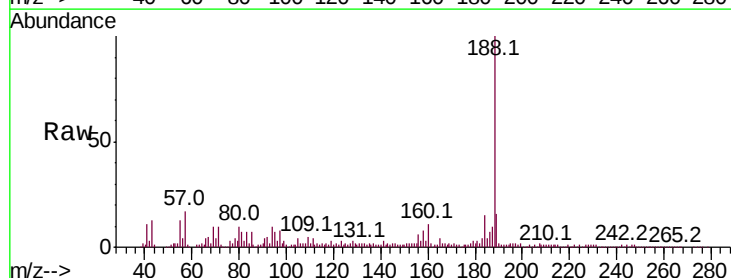
Instrument :
 BNA_F
 ClientSampleId :

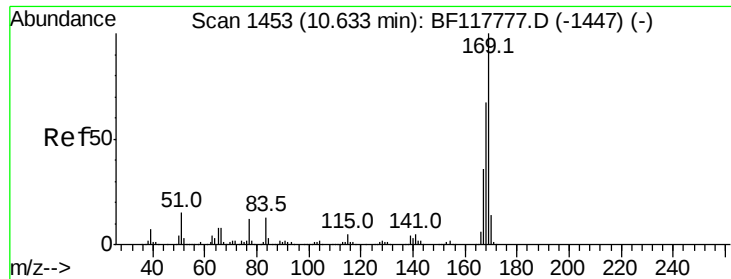
Tot Ion:166 Resp: 153838
 Ion Ratio Lower Upper
 166 100
 165 104.0 78.4 117.6
 167 19.6 11.0 16.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF117874.D
 Acq: 19 Nov 2019 21:58

Tgt Ion:188 Resp: 495941
 Ion Ratio Lower Upper
 188 100
 94 9.6 6.6 10.0
 80 10.0 7.2 10.8

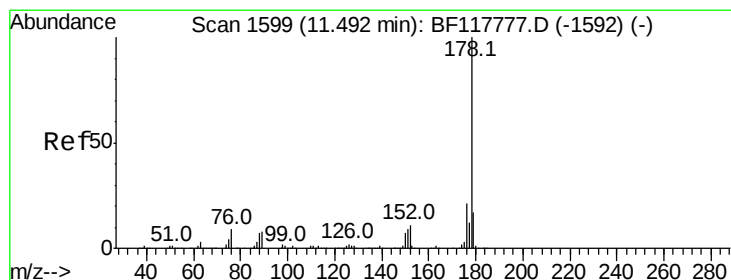
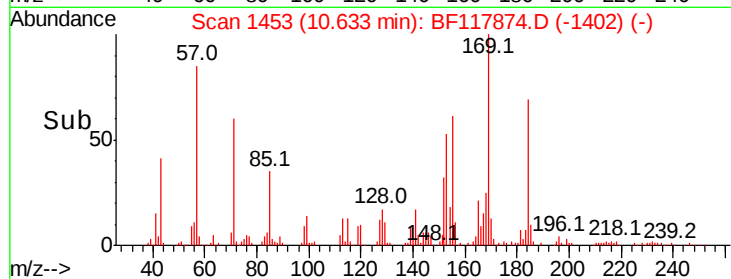
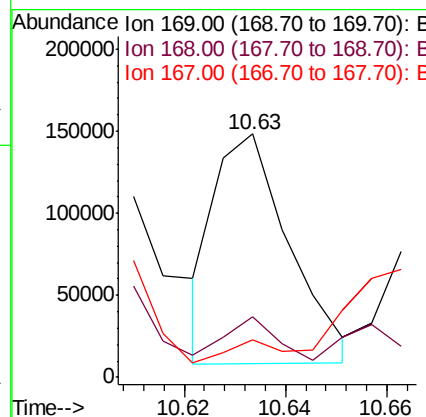
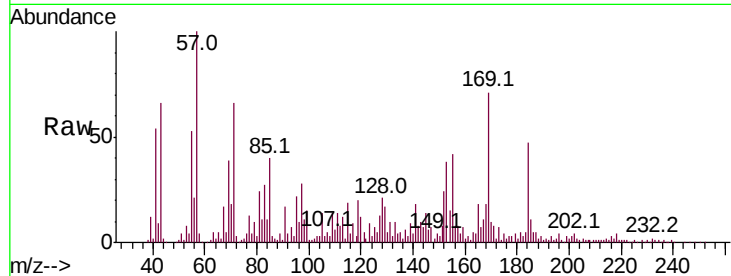




#66
 n-Nitrosodiphenylamine
 Concen: 9.866 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF117874.D
 Acq: 19 Nov 2019 21:58

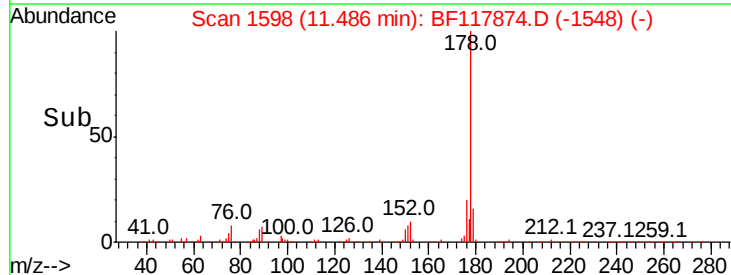
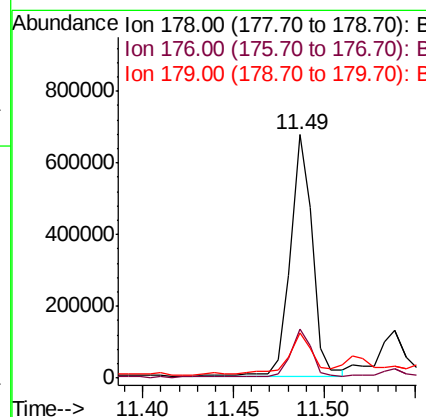
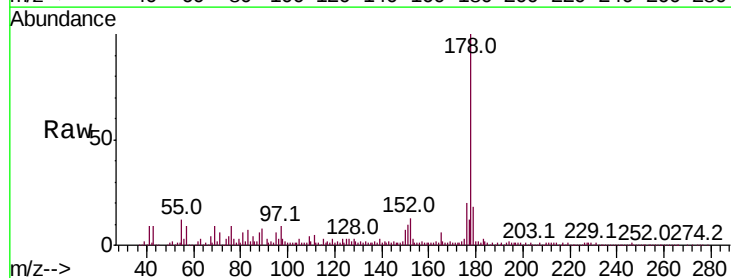
Instrument :
 BNA_F
 ClientSampleId :

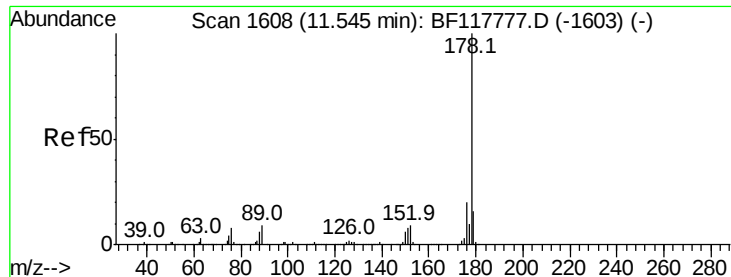
Tot Ion:169 Resp: 142404
 Ion Ratio Lower Upper
 169 100
 168 24.8 53.5 80.3#
 167 15.6 29.0 43.4#



#71
 Phenanthrene
 Concen: 22.926 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF117874.D
 Acq: 19 Nov 2019 21:58

Tgt Ion:178 Resp: 571643
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.6 25.0
 179 18.4 13.2 19.8





#72

Anthracene

Concen: 23.123 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.06 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Instrument :

BNA_F

ClientSampleId :

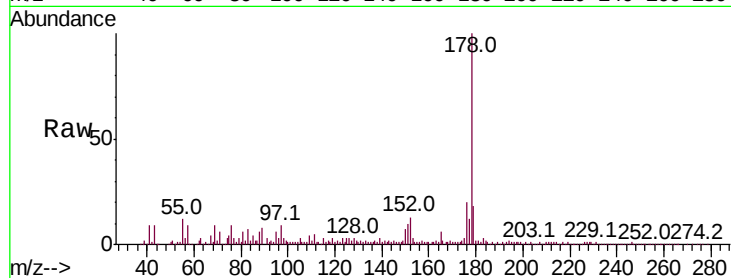
Tot Ion:178 Resp: 571643

Ion Ratio Lower Upper

178 100

176 20.0 16.1 24.1

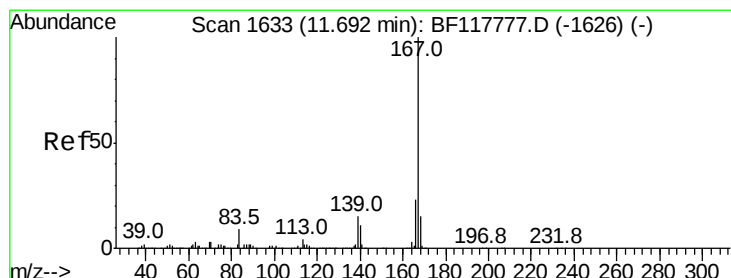
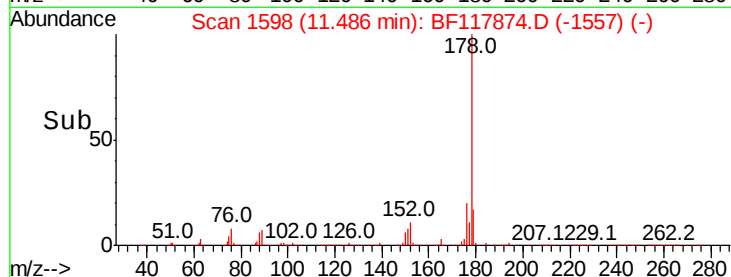
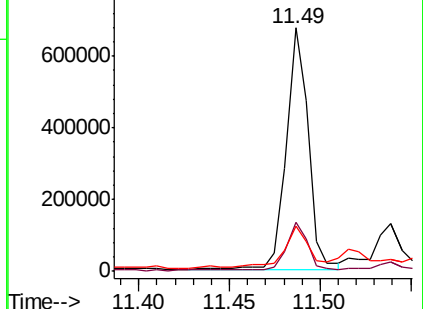
179 18.4 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.625 ng

RT: 11.69 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

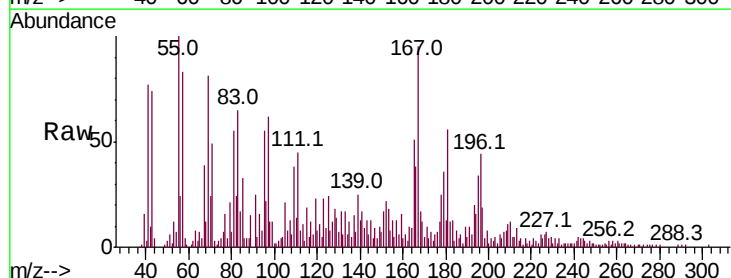
Tgt Ion:167 Resp: 56715

Ion Ratio Lower Upper

167 100

166 39.7 18.0 27.0#

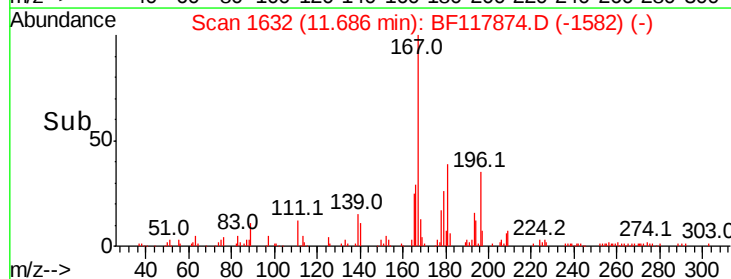
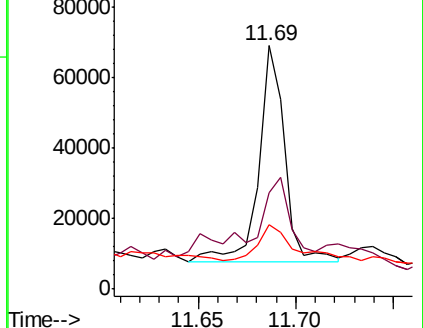
139 26.7 11.7 17.5#

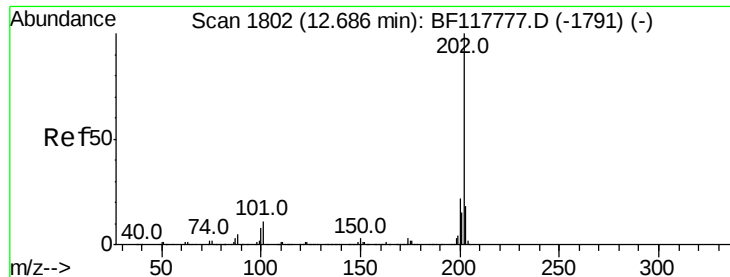


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 23.947 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Instrument :

BNA_F

ClientSampled :

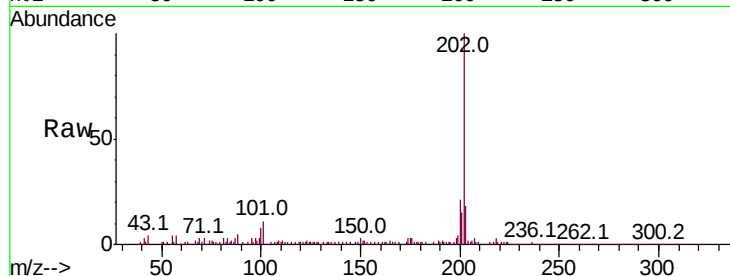
Tot Ion:202 Resp: 623675

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.1

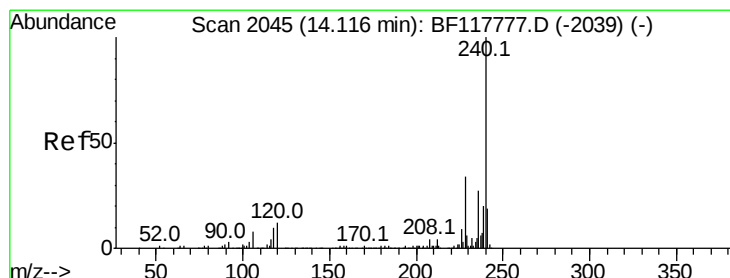
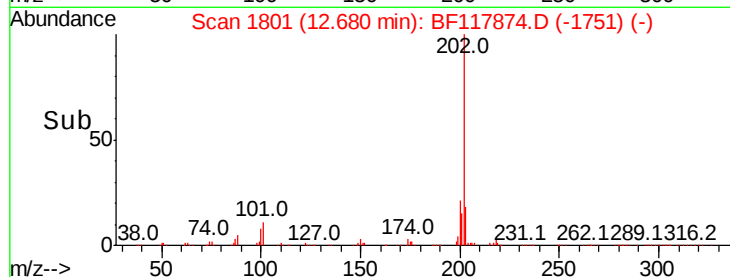
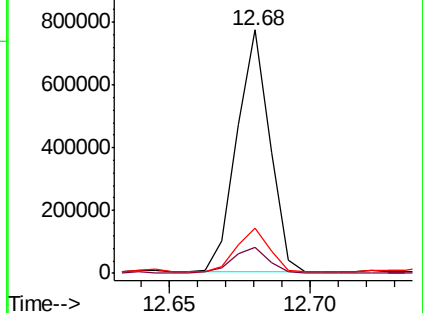
203 18.3 0.0 38.2



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: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

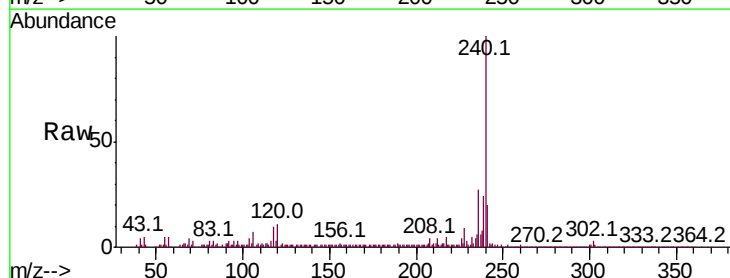
Tgt Ion:240 Resp: 398923

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

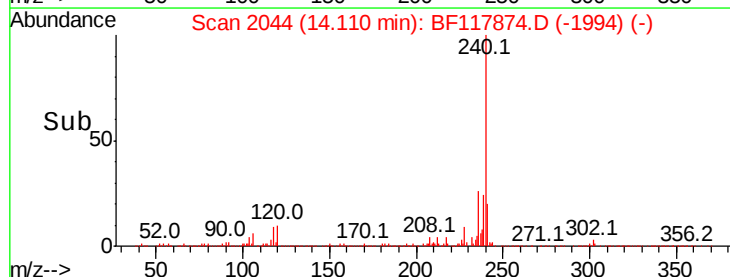
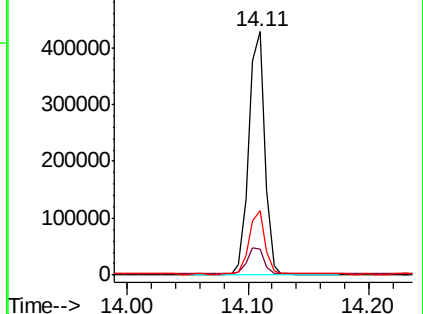
236 26.7 21.3 31.9

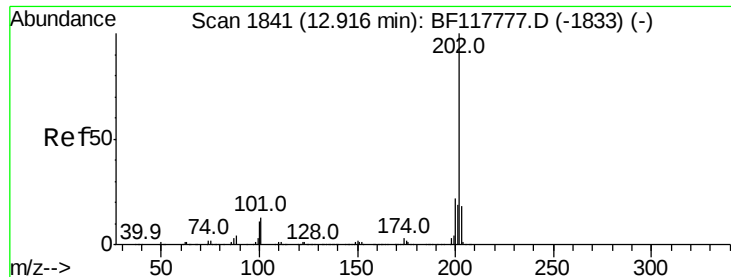


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 18.763 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Instrument :

BNA_F

ClientSampled :

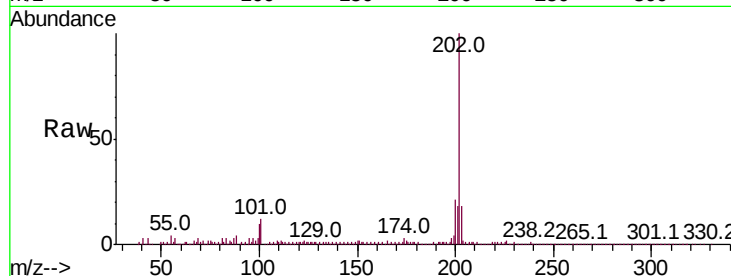
Tot Ion:202 Resp: 604907

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.8

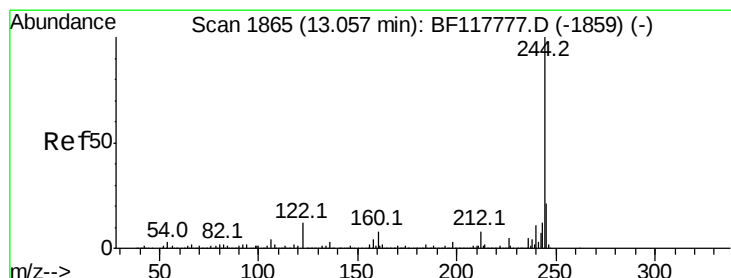
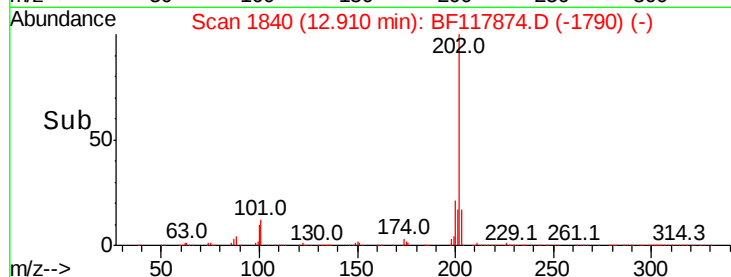
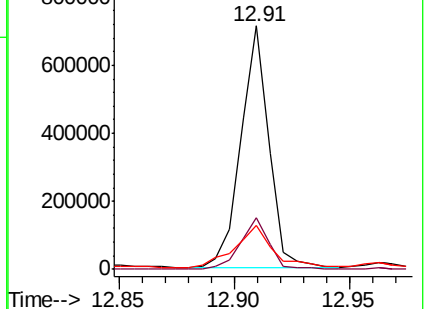
203 18.2 14.6 22.0



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: 53.701 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

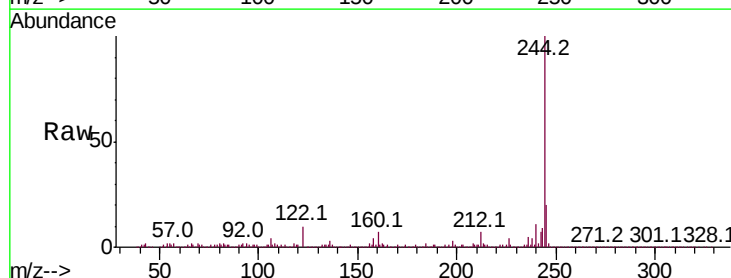
Tgt Ion:244 Resp: 1172171

Ion Ratio Lower Upper

244 100

212 7.2 6.3 9.5

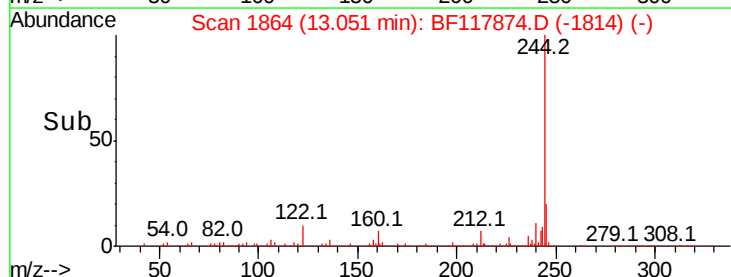
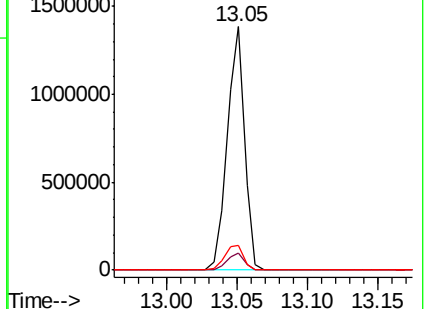
122 10.3 9.4 14.2

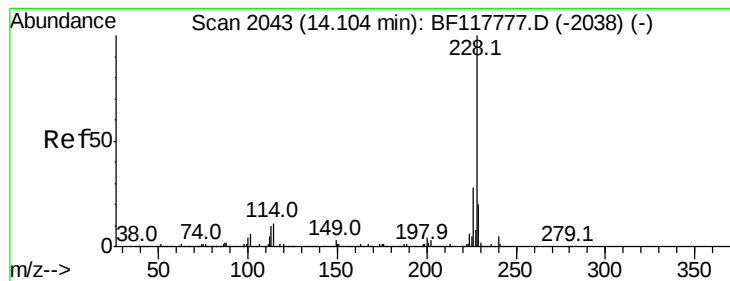


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 9.312 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Instrument :

BNA_F

ClientSampleId :

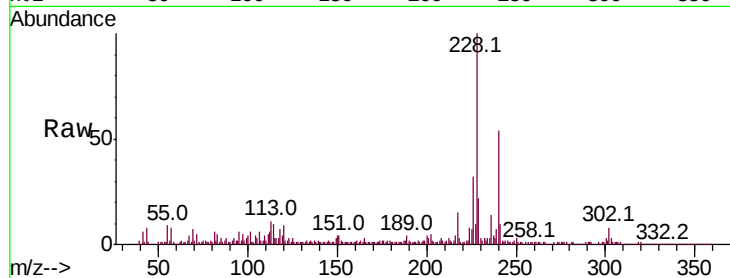
Tot Ion:228 Resp: 245467

Ion Ratio Lower Upper

228 100

226 32.3 22.2 33.2

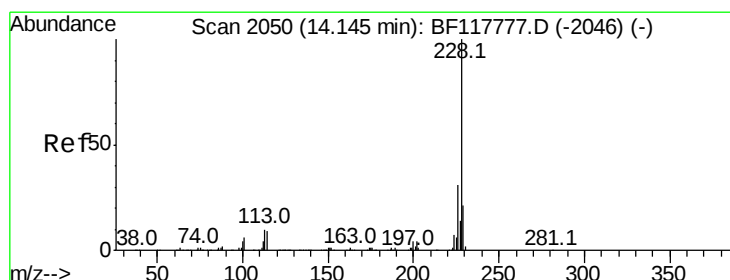
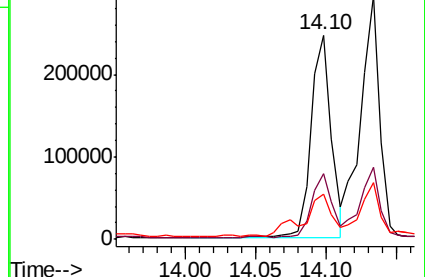
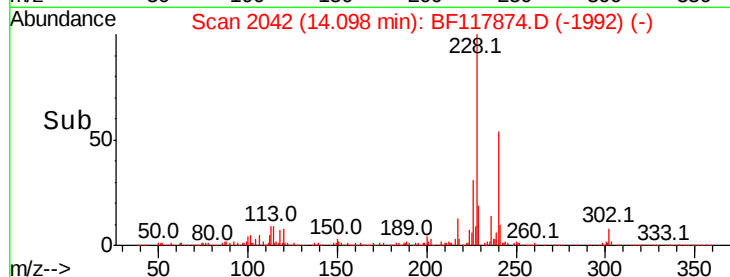
229 22.2 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 10.870 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

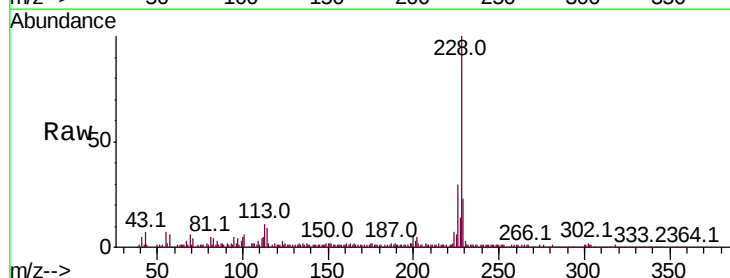
Tgt Ion:228 Resp: 277671

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.4

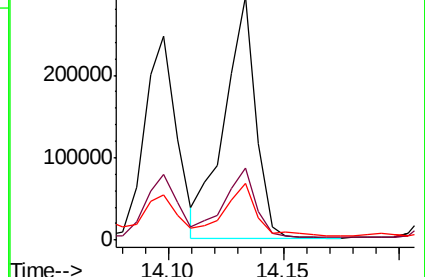
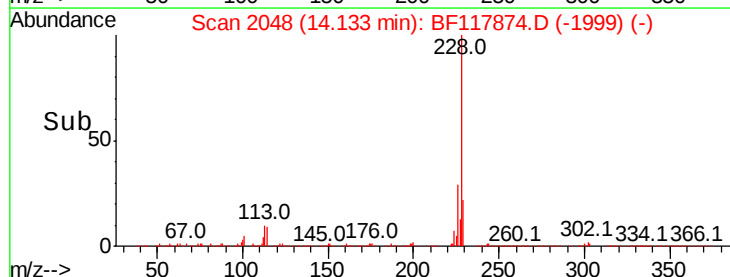
229 23.4 16.6 25.0

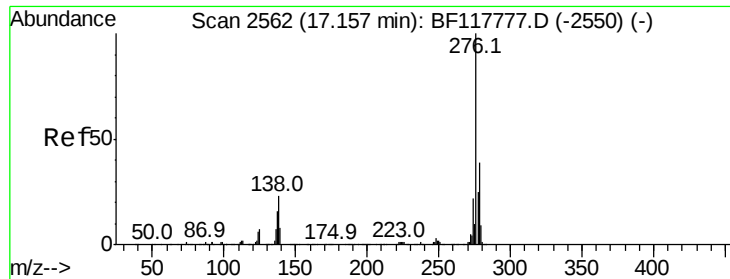


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

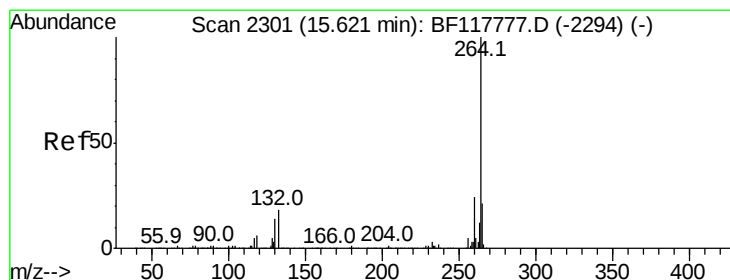
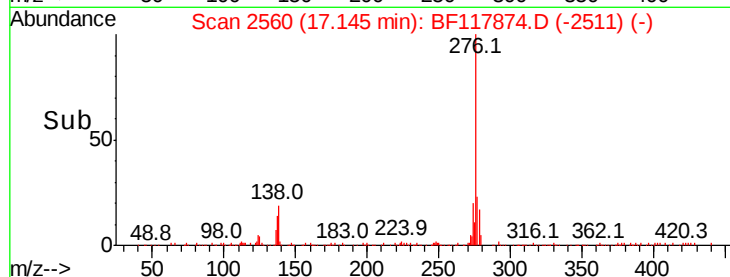
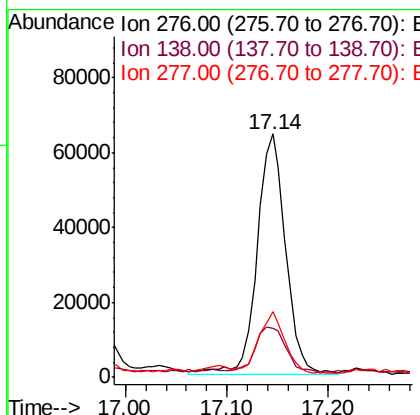
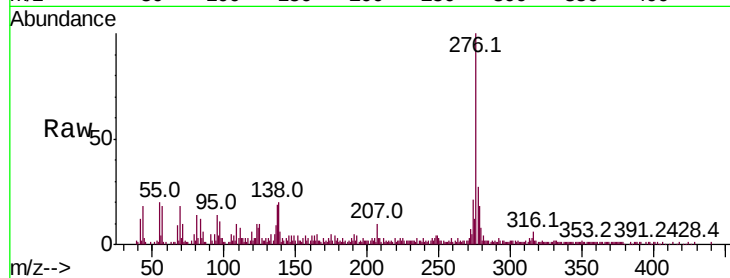




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.716 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. -0.01 min
 Lab File: BF117874.D
 Acq: 19 Nov 2019 21:58

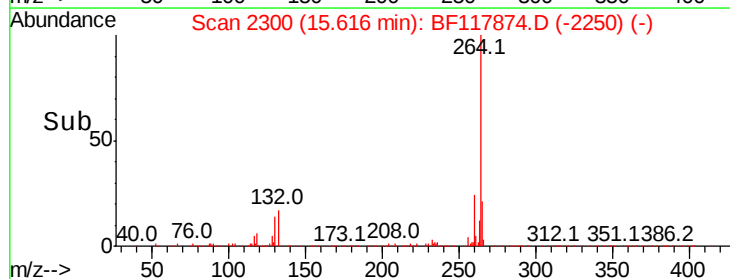
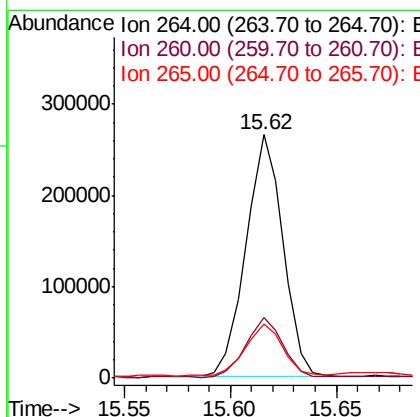
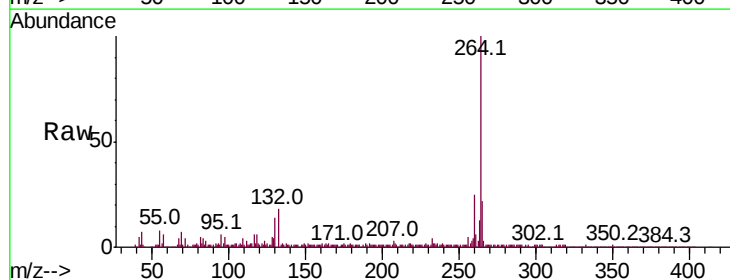
Instrument :
 BNA_F
 ClientSampleId :

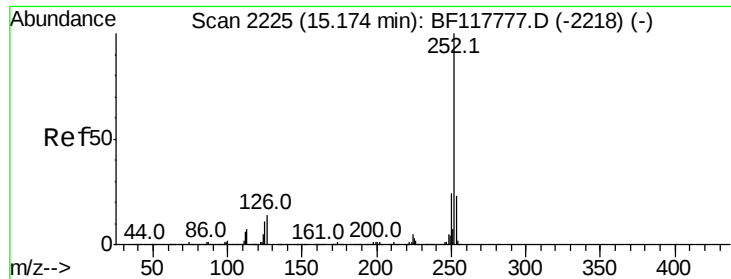
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	20.9	31.3
277	24.2	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BF117874.D
 Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.0
265	22.3	17.1	25.7





#88

Benzo(b)fluoranthene

Concen: 18.811 ng

RT: 15.17 min Scan# 2224

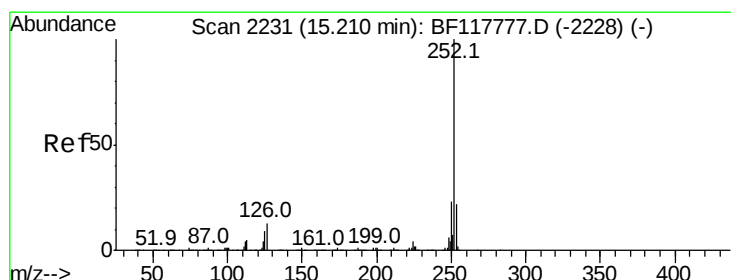
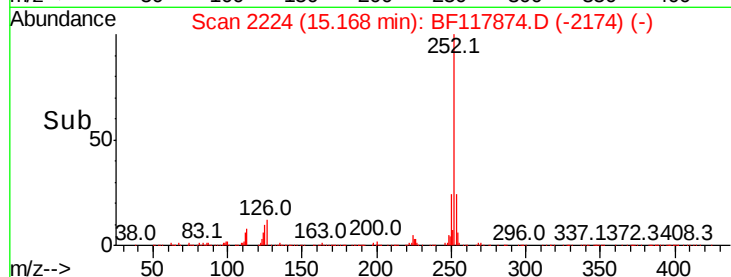
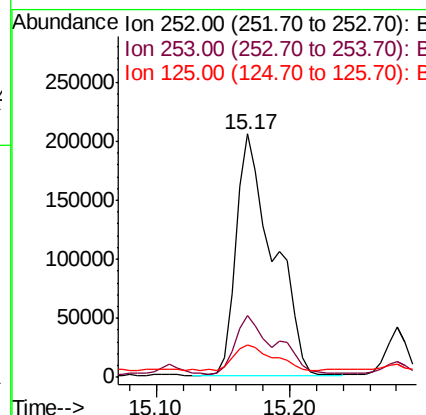
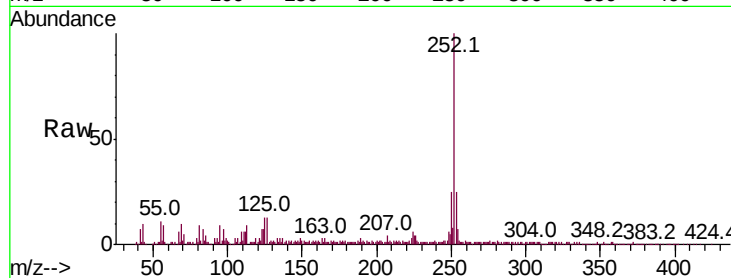
Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	13.4	8.6	13.0



#89

Benzo(k)fluoranthene

Concen: 19.964 ng

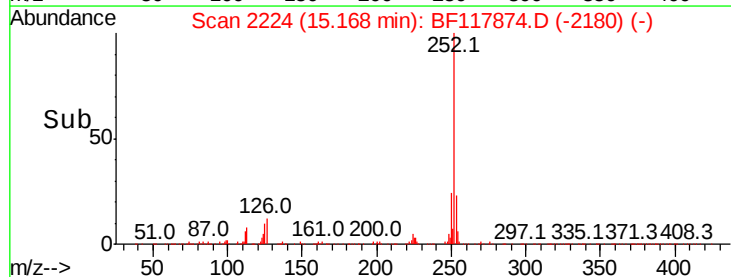
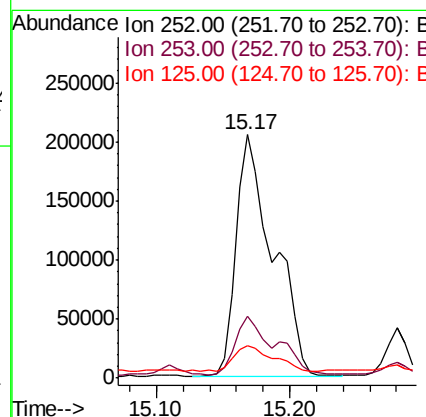
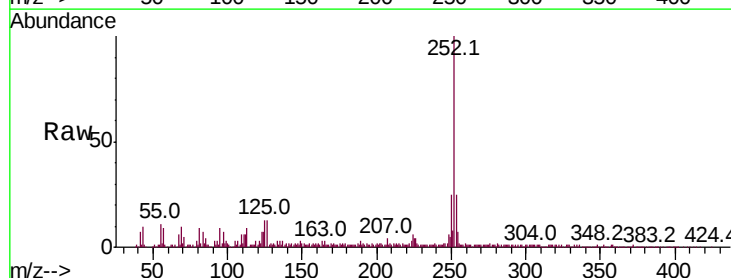
RT: 15.17 min Scan# 2224

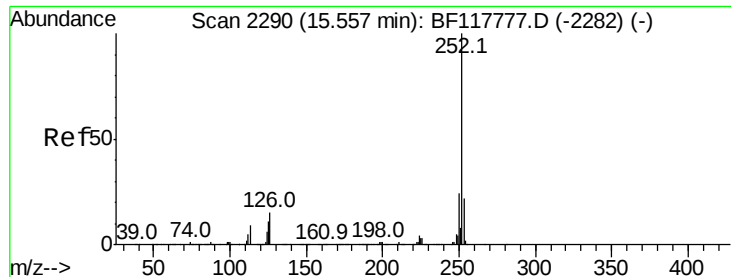
Delta R.T. -0.04 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	13.4	7.9	11.9





#90

Benzo(a)pyrene

Concen: 10.257 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

Instrument :

BNA_F

ClientSampleId :

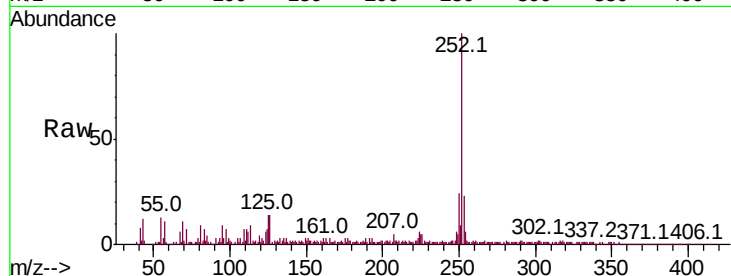
Tot Ion:252 Resp: 189704

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

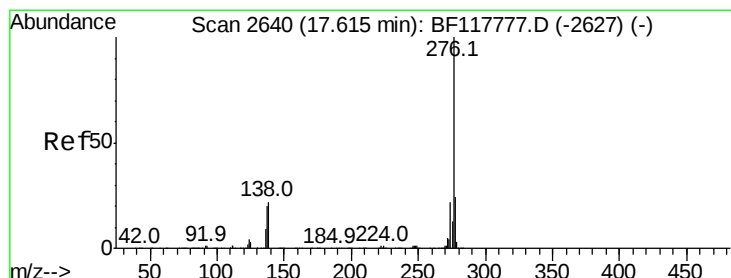
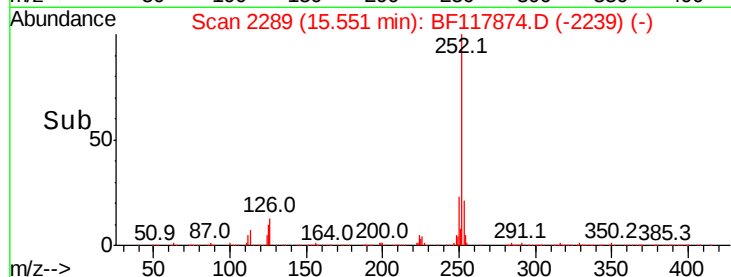
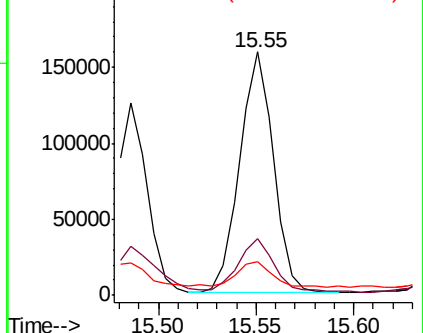
125 13.6 9.2 13.8



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



#92

Benzo(g,h,i)perylene

Concen: 7.309 ng

RT: 17.61 min Scan# 2639

Delta R.T. -0.01 min

Lab File: BF117874.D

Acq: 19 Nov 2019 21:58

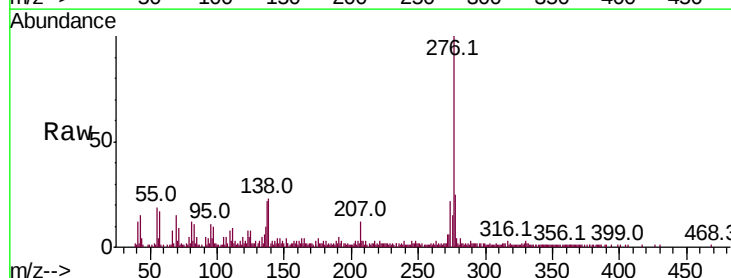
Tgt Ion:276 Resp: 115893

Ion Ratio Lower Upper

276 100

277 24.7 18.9 28.3

138 22.6 17.4 26.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

