

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
 Data File : BF117825.D
 Acq On : 16 Nov 2019 1:24
 Operator : JU
 Sample : K5832-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 01:44:18 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	236881	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	913012	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	480581	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	856531	20.00	ng	-0.01
76) Chrysene-d12	14.11	240	557598	20.00	ng	0.00
87) Perylene-d12	15.62	264	661078	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	881127	65.84	ng	0.00
7) Phenol-d6	6.54	99	1857751	115.09	ng	0.00
23) Nitrobenzene-d5	7.48	82	1264211	82.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	139001	27.32	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	2274398	84.90	ng	0.00
79) Terphenyl-d14	13.05	244	2312496	75.80	ng	0.00

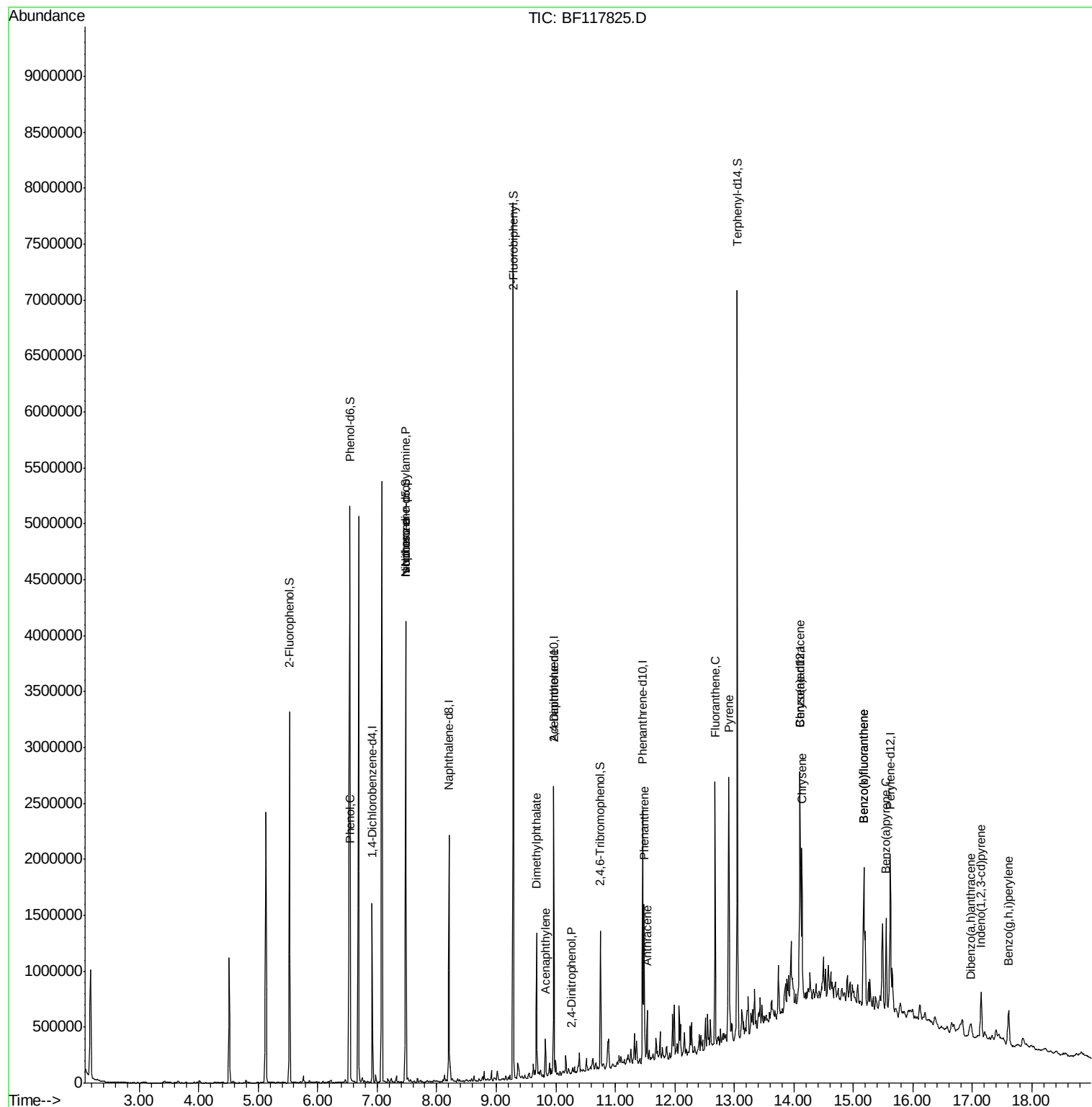
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	4300	Below Cal		98
10) Phenol	6.55	94	76436	4.557 ng		92
19) n-Nitroso-di-n-propylamine	7.48	70	171206	17.193 ng	#	77
25) Isophorone	7.48	82	1262213	44.838 ng	#	62
49) Acenaphthylene	9.83	152	127397	2.979 ng		98
50) Dimethylphthalate	9.67	163	458316	13.600 ng		99
54) 2,4-Dinitrophenol	10.25	184	141	7.259 ng	#	23
57) 2,4-Dinitrotoluene	9.97	165	64450	6.879 ng	#	25
71) Phenanthrene	11.48	178	525227	12.197 ng		97
72) Anthracene	11.53	178	159184	3.728 ng		98
75) Fluoranthene	12.68	202	951127	20.089 ng		98
78) Pyrene	12.91	202	1004375	22.288 ng		99
81) Benzo(a)anthracene	14.10	228	433292	11.759 ng		94
83) Chrysene	14.13	228	506301	14.180 ng		97
86) Indeno(1,2,3-cd)pyrene	17.14	276	285017	9.379 ng		94
88) Benzo(b)fluoranthene	15.17	252	997971	23.235 ng		98
89) Benzo(k)fluoranthene	15.17	252	997971	24.660 ng	#	97
90) Benzo(a)pyrene	15.55	252	398952	10.563 ng		98
91) Dibenzo(a,h)anthracene	16.96	278	76107	2.341 ng		97
92) Benzo(a,h,i)perylene	17.61	276	264249	8.161 ng		96

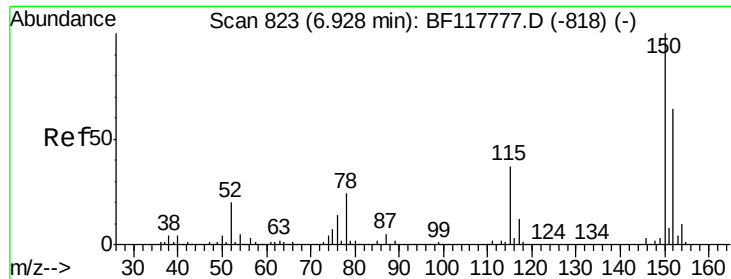
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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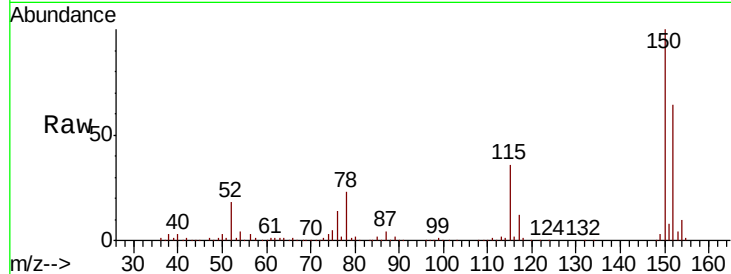


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.3	187.9
115	56.5	47.0	70.4

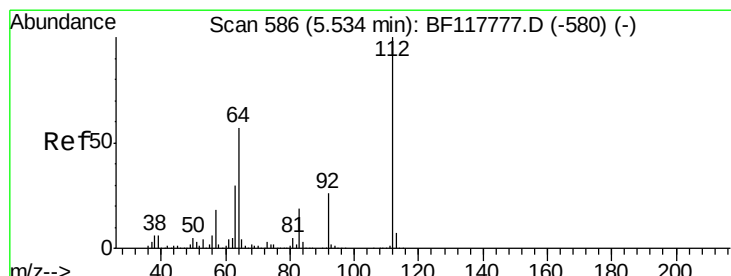
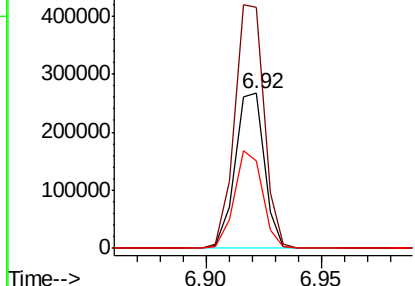
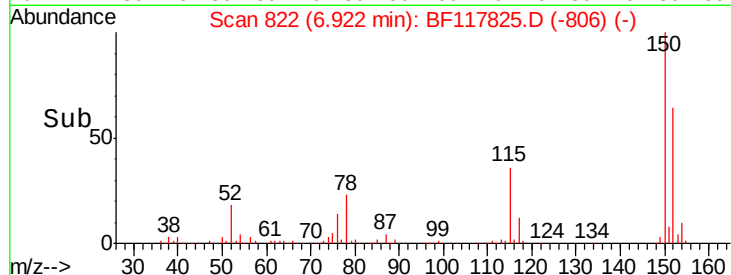


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

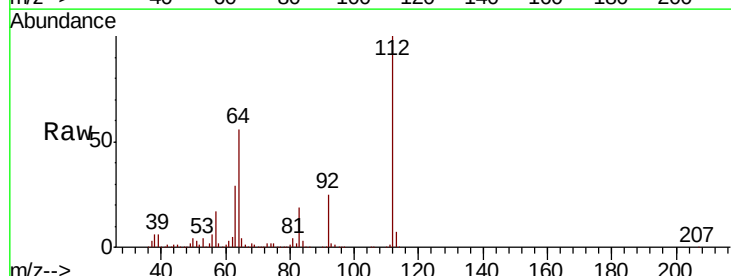
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 65.843 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	45.6	68.4
63	29.3	24.1	36.1

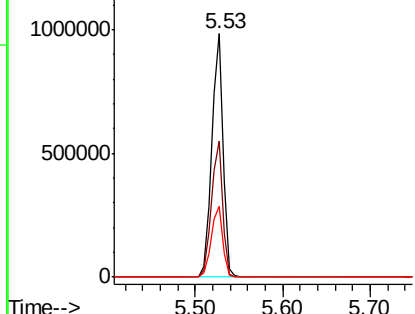
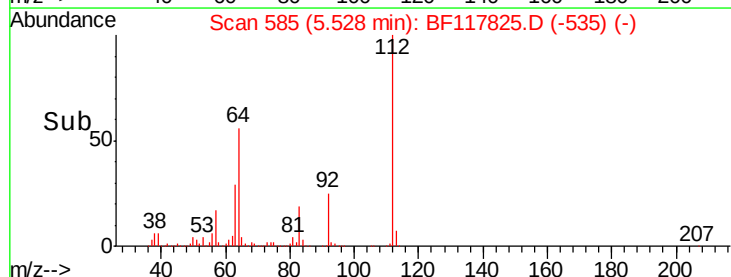


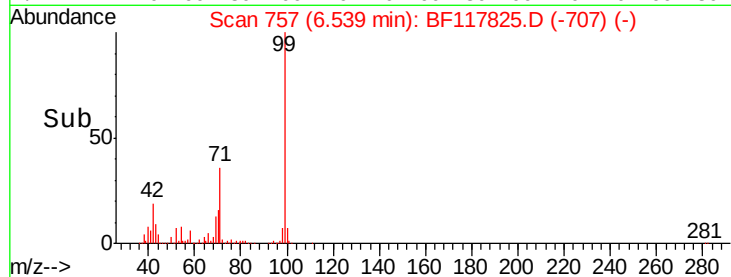
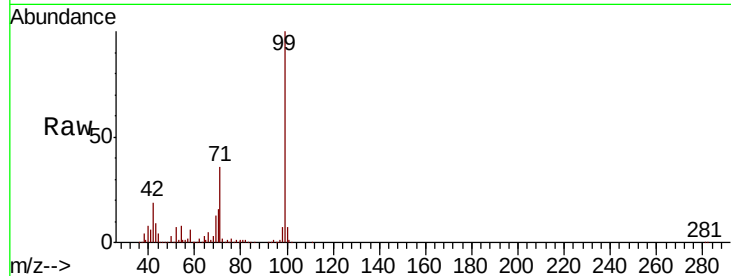
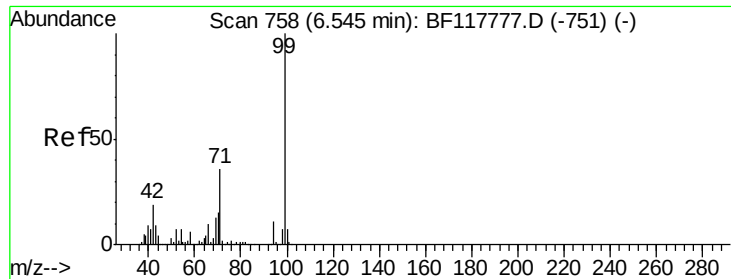
Abundance

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: 115.094 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

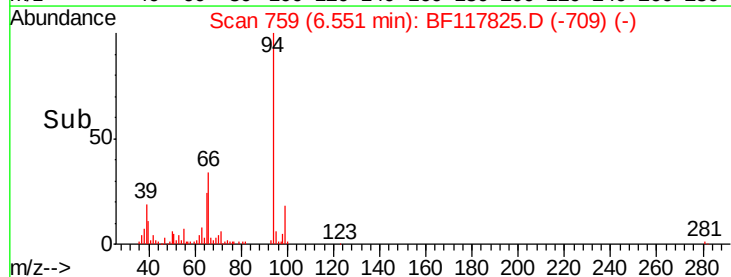
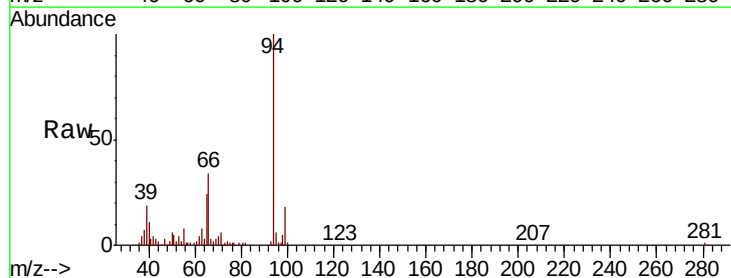
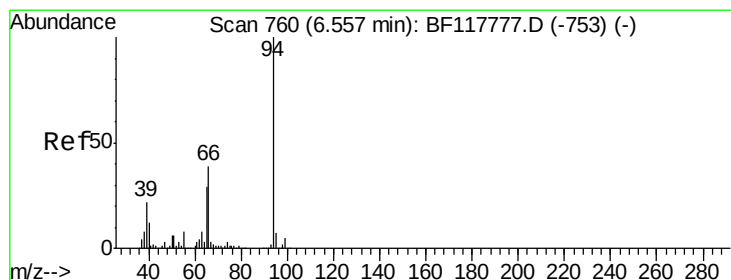
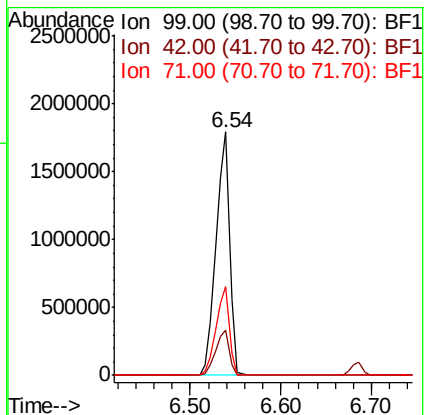
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1857751

Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.9	22.3
71	36.3	28.6	43.0



#10

Phenol

Concen: 4.557 ng

RT: 6.55 min Scan# 759

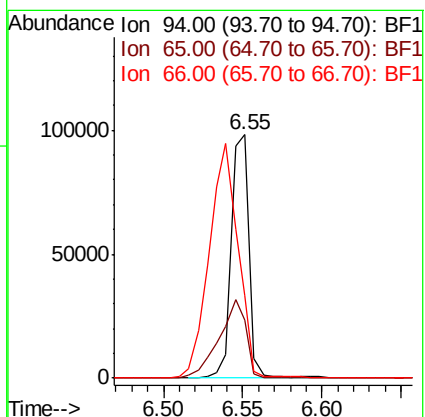
Delta R.T. -0.01 min

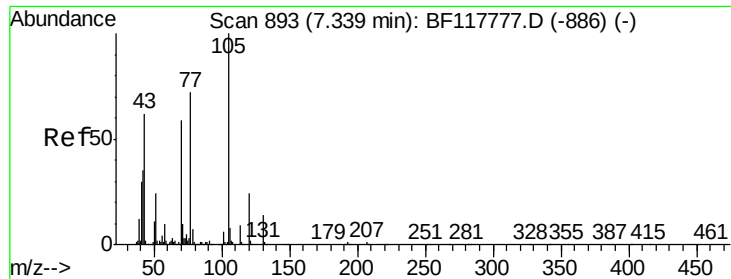
Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Tgt Ion: 94 Resp: 76436

Ion	Ratio	Lower	Upper
94	100		
65	24.0	8.9	48.9
66	33.9	18.7	58.7

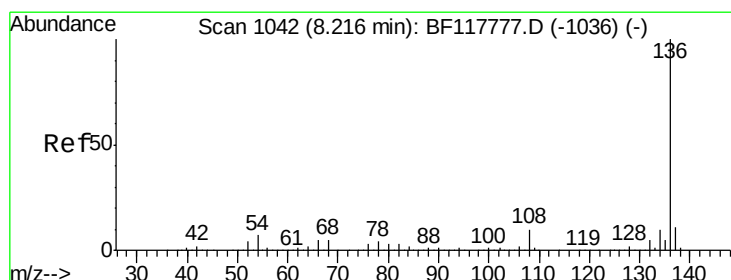
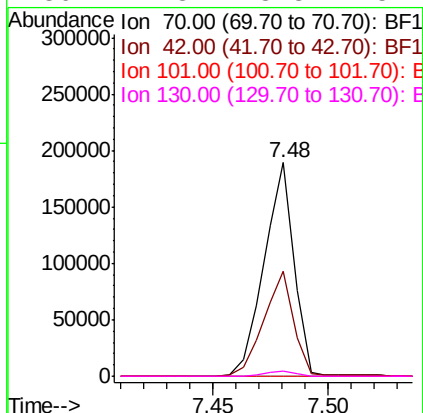
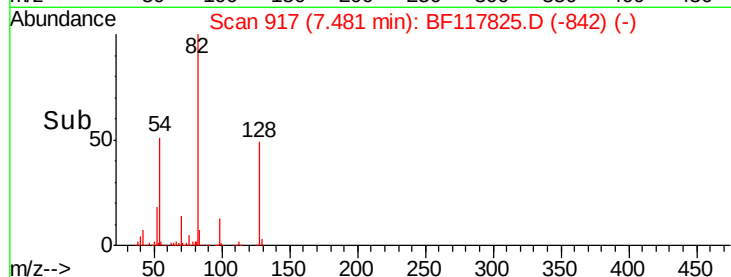
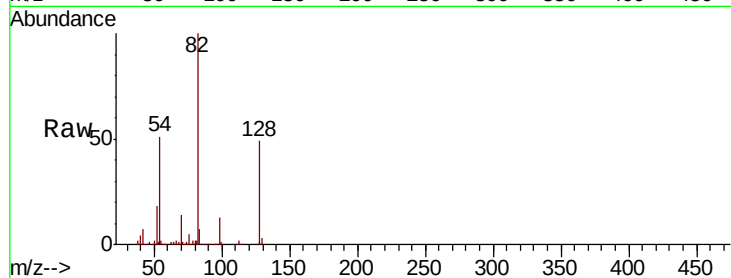




#19
n-Nitroso-di-n-propylamine
Concen: 17.193 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.14 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

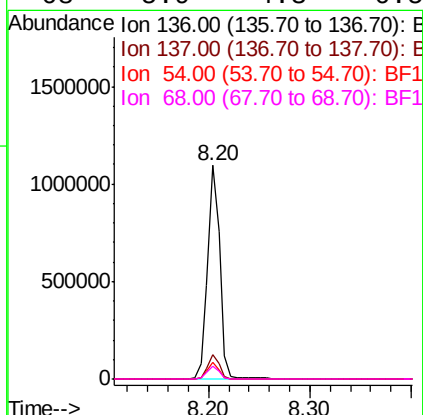
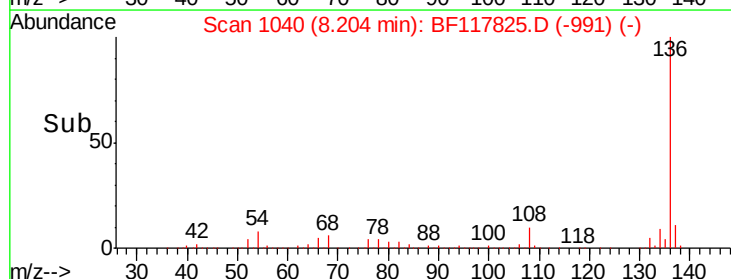
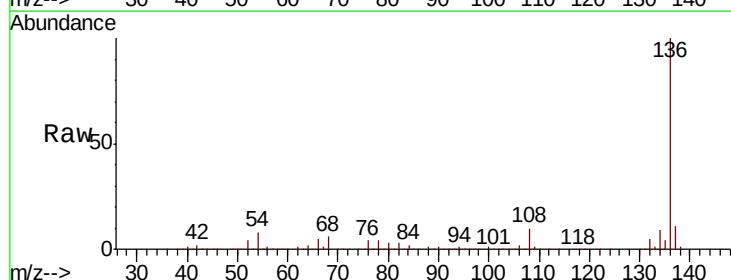
Instrument :
BNA_F
ClientSampled :

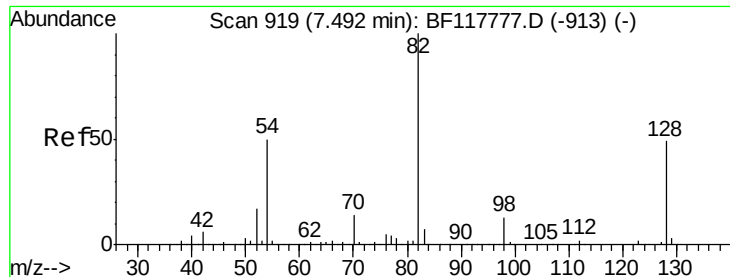
Tot Ion: 70 Resp: 171206
Ion Ratio Lower Upper
70 100
42 48.9 47.4 71.2
101 0.0 8.4 12.6#
130 2.3 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion:136 Resp: 913012
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 7.8 5.4 8.2
68 5.9 4.3 6.5

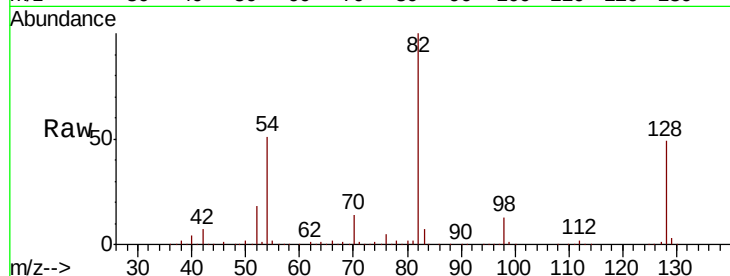




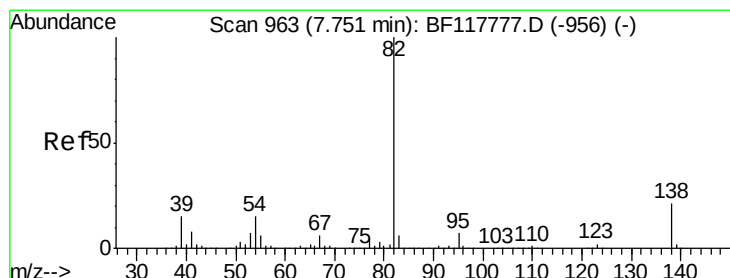
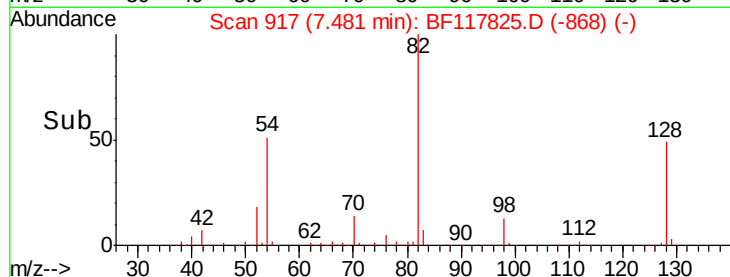
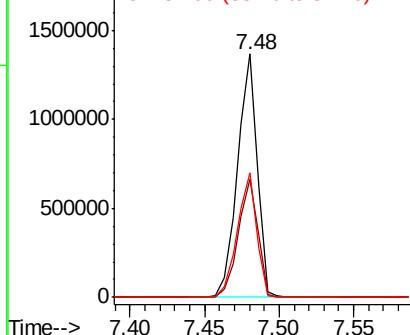
#23
Nitrobenzene-d5
Concen: 82.312 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 1264211
Ion Ratio Lower Upper
82 100
128 48.6 38.9 58.3
54 51.0 39.8 59.6

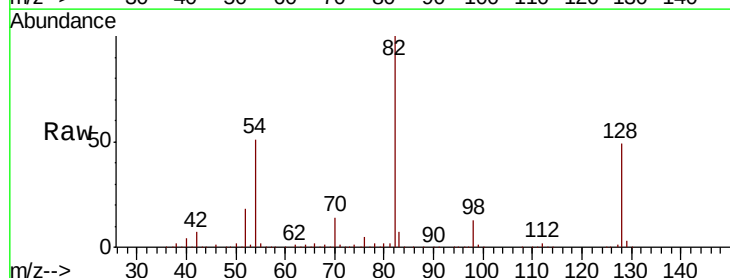


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

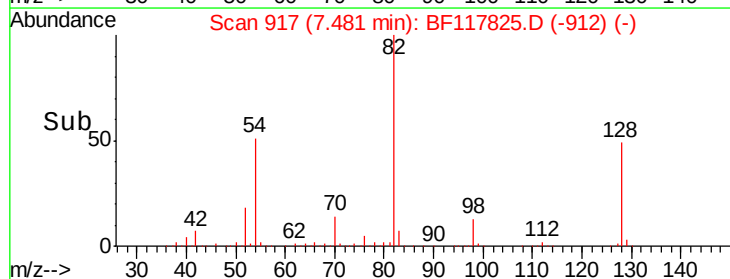
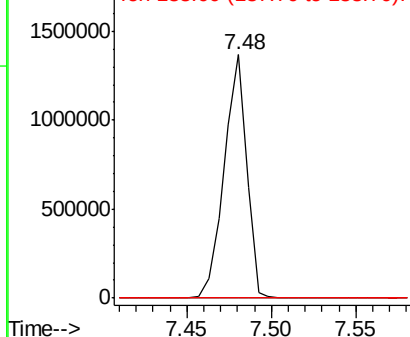


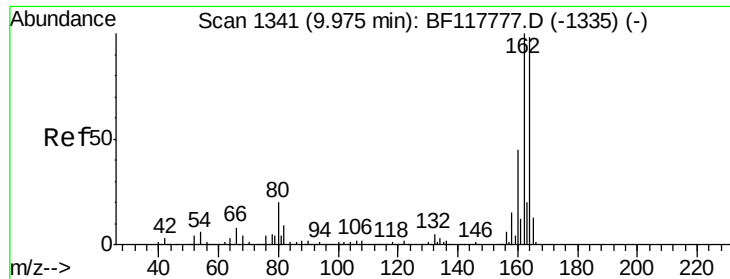
#25
Isophorone
Concen: 44.838 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.27 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion: 82 Resp: 1262213
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.5 24.7#



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

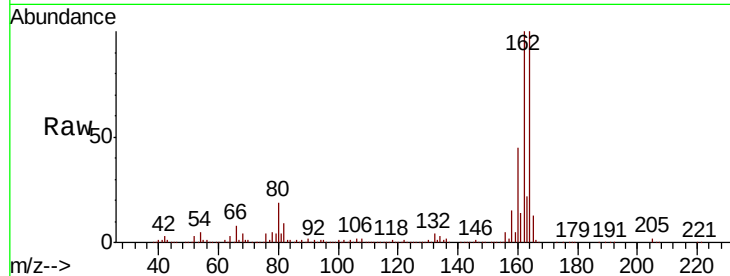




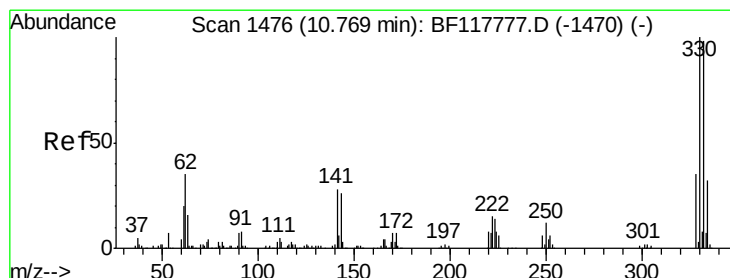
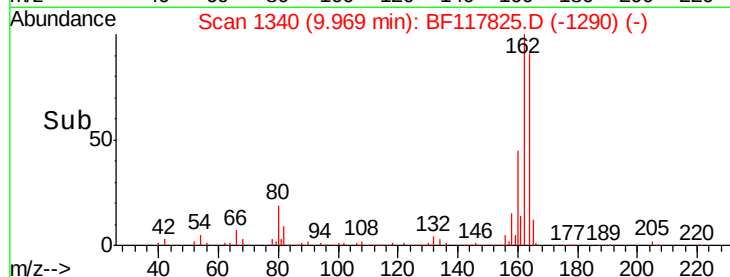
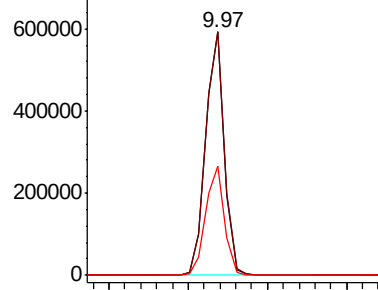
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 480581
Ion Ratio Lower Upper
164 100
162 100.0 81.3 121.9
160 45.0 36.6 55.0

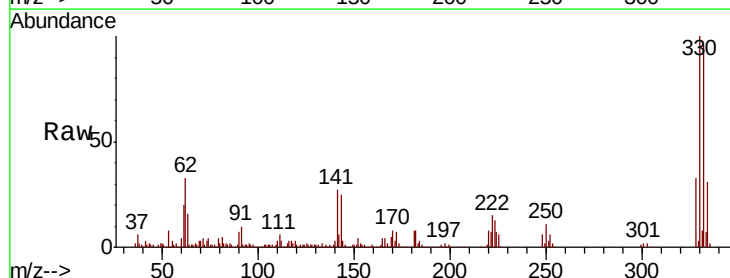


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

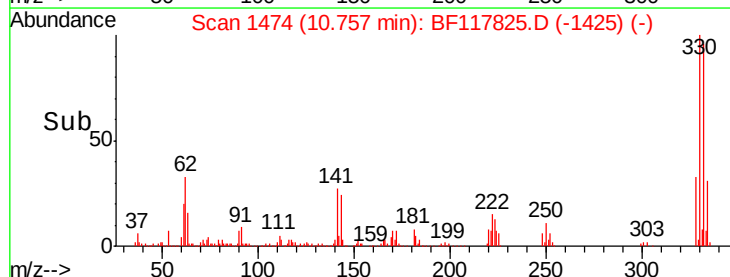
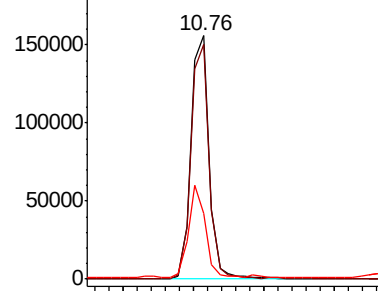


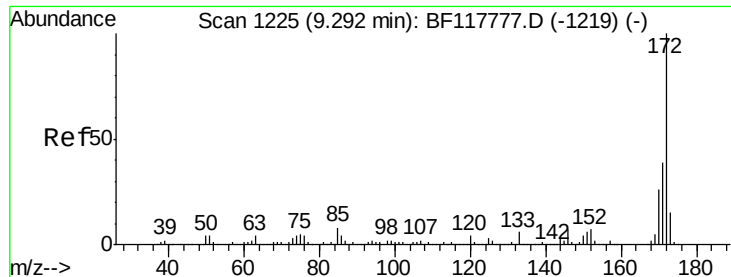
#42
2,4,6-Tribromophenol
Concen: 27.320 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion:330 Resp: 139001
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 34.8 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

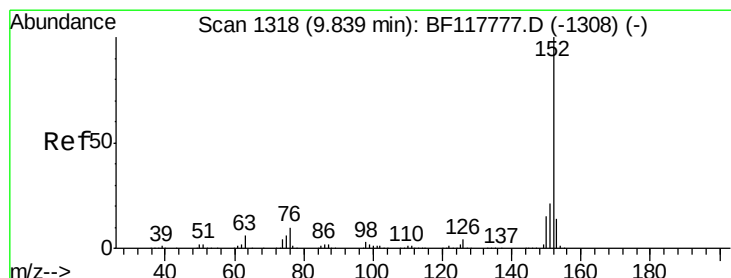
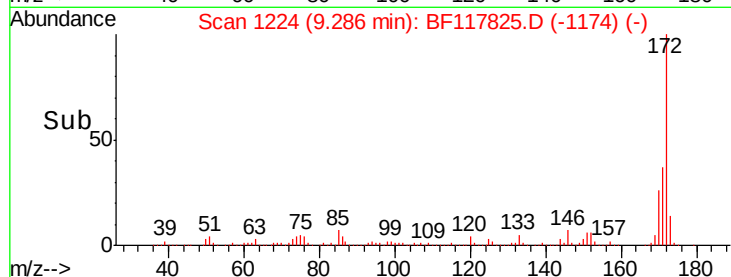
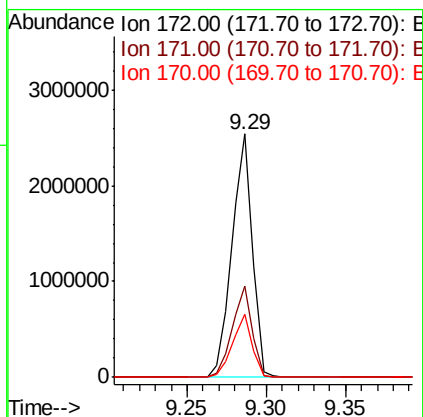
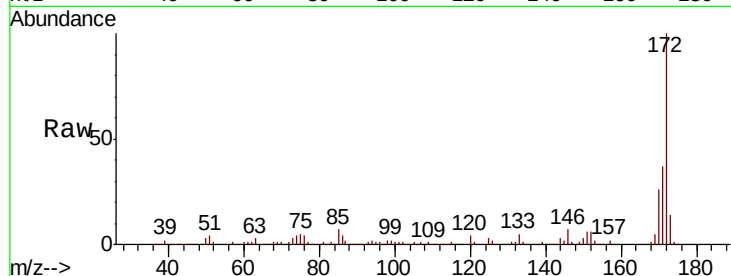




#45
2-Fluorobiphenyl
Concen: 84.905 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

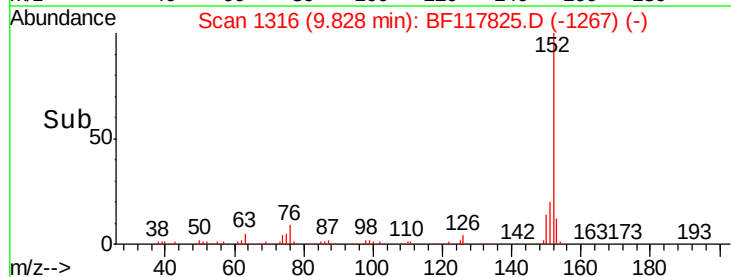
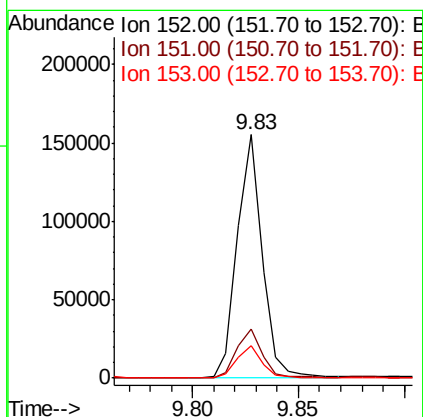
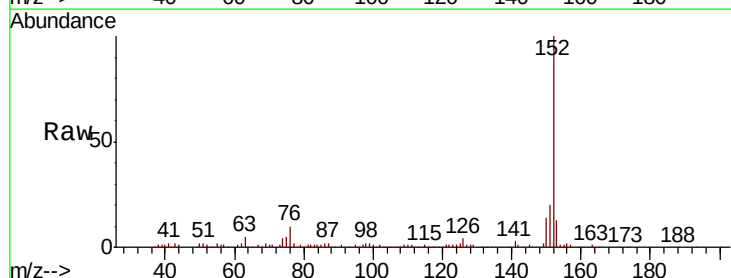
Instrument :
BNA_F
ClientSampleId :

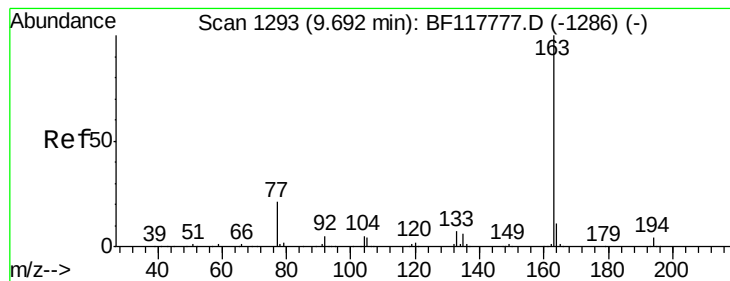
Tot Ion:172 Resp: 2274398
Ion Ratio Lower Upper
172 100
171 37.2 30.9 46.3
170 25.9 21.0 31.4



#49
Acenaphthylene
Concen: 2.979 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion:152 Resp: 127397
Ion Ratio Lower Upper
152 100
151 20.3 17.0 25.6
153 13.3 11.0 16.6





#50

Dimethylphthalate

Concen: 13.600 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Instrument :

BNA_F

ClientSampleId :

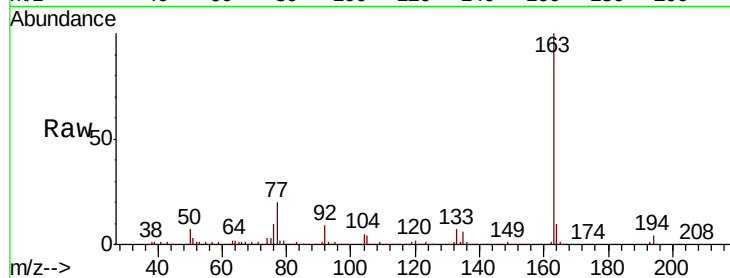
Tot Ion:163 Resp: 458316

Ion Ratio Lower Upper

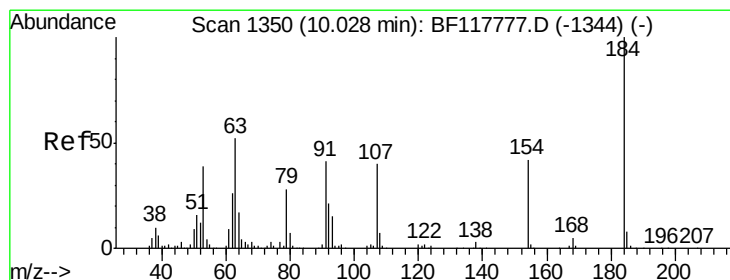
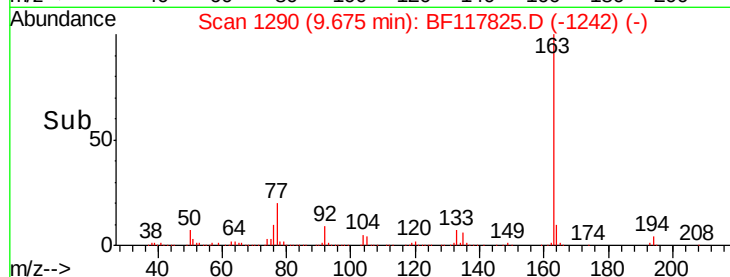
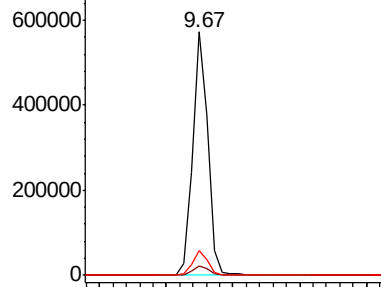
163 100

194 4.0 3.3 4.9

164 10.3 8.7 13.1



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



#54

2,4-Dinitrophenol

Concen: 7.259 ng

RT: 10.25 min Scan# 1388

Delta R.T. 0.22 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

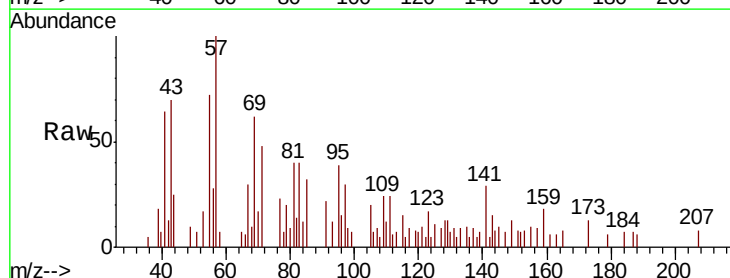
Tgt Ion:184 Resp: 141

Ion Ratio Lower Upper

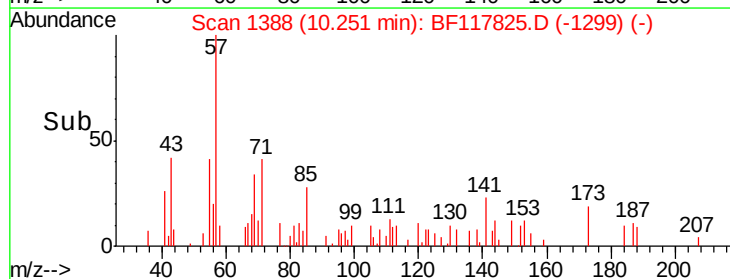
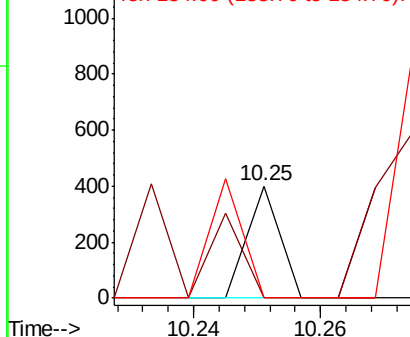
184 100

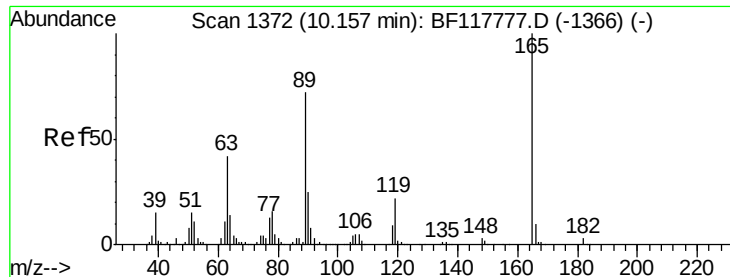
63 0.0 43.0 64.6#

154 0.0 48.0 72.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 6.879 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.19 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 64450

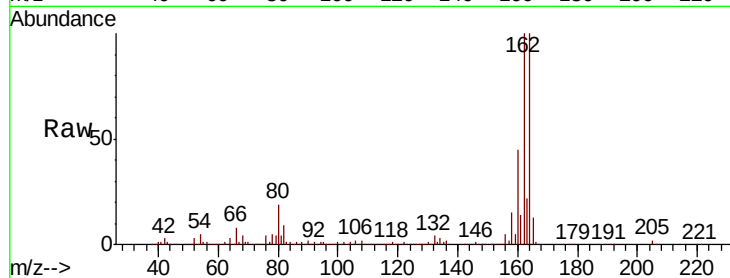
Ion Ratio Lower Upper

165 100

63 1.6 33.7 50.5#

89 1.6 57.3 85.9#

182 0.0 2.3 3.5#

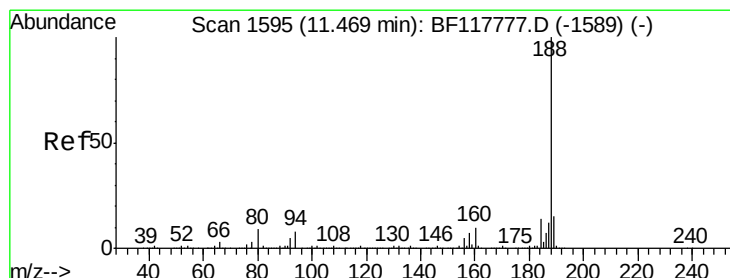
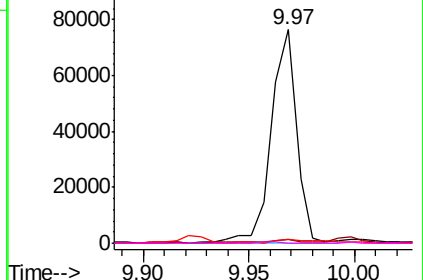
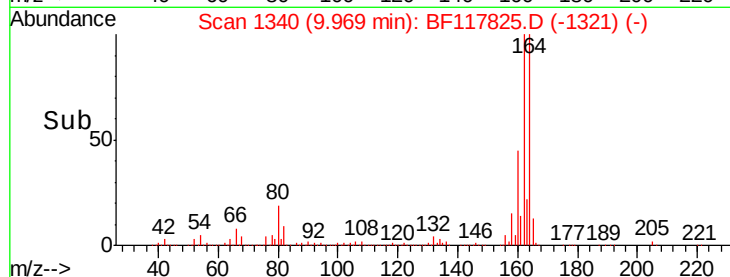


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

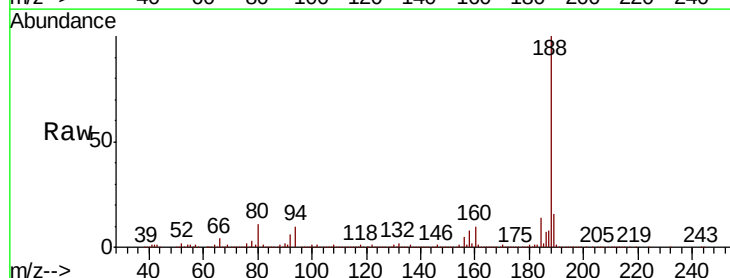
Tgt Ion:188 Resp: 856531

Ion Ratio Lower Upper

188 100

94 9.7 6.6 10.0

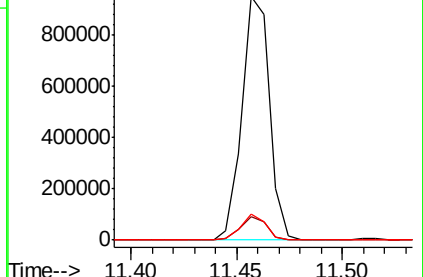
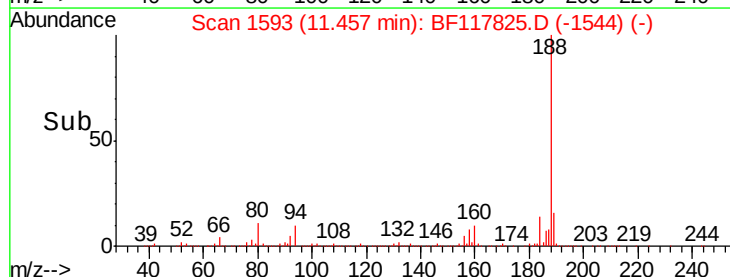
80 10.8 7.2 10.8

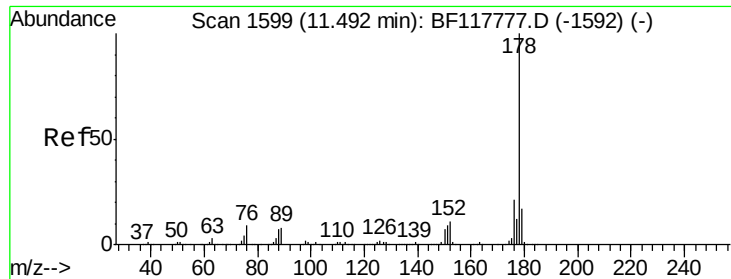


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

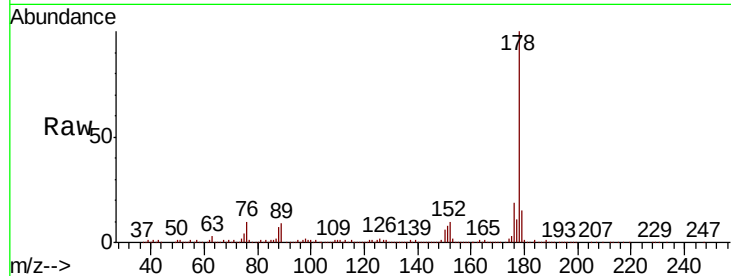




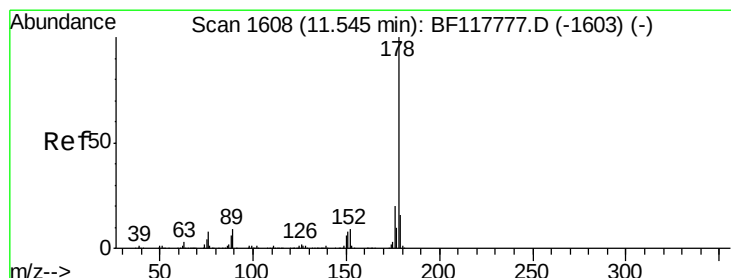
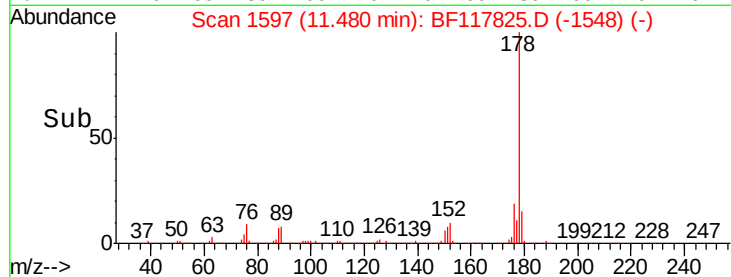
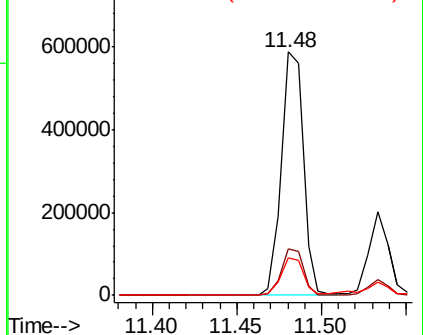
#71
Phenanthrene
Concen: 12.197 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 525227
Ion Ratio Lower Upper
178 100
176 19.0 16.6 25.0
179 15.3 13.2 19.8

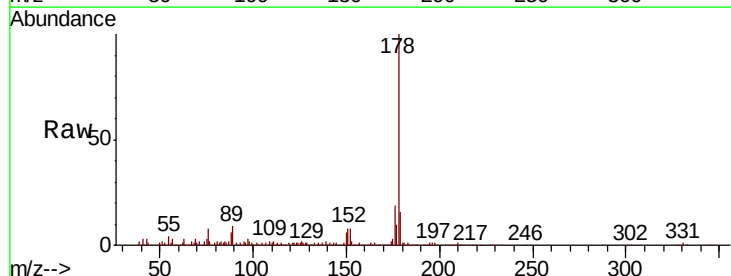


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

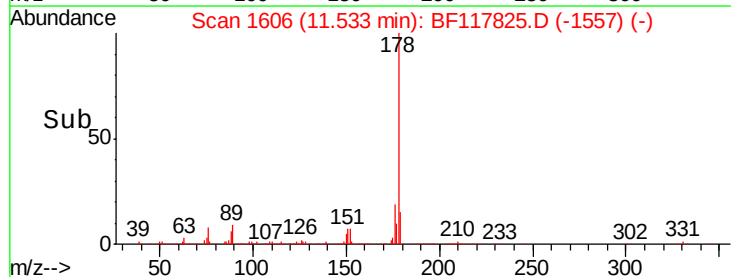
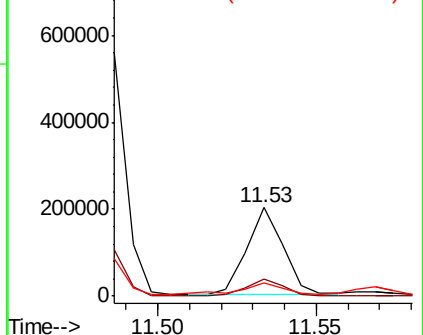


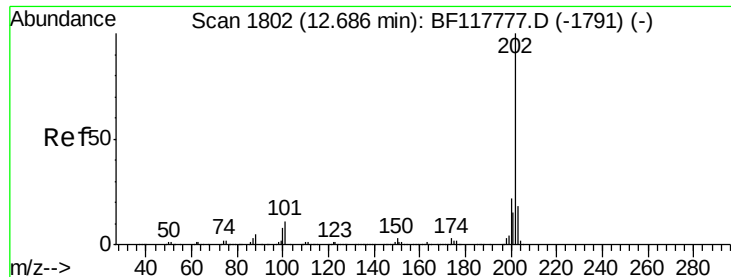
#72
Anthracene
Concen: 3.728 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion:178 Resp: 159184
Ion Ratio Lower Upper
178 100
176 19.2 16.1 24.1
179 15.6 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





#75

Fluoranthene

Concen: 20.089 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Instrument :

BNA_F

ClientSampleId :

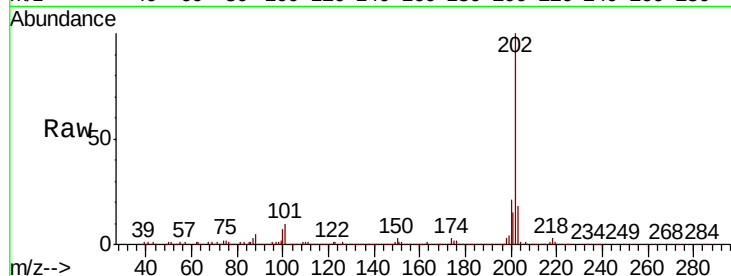
Tot Ion:202 Resp: 951127

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.1

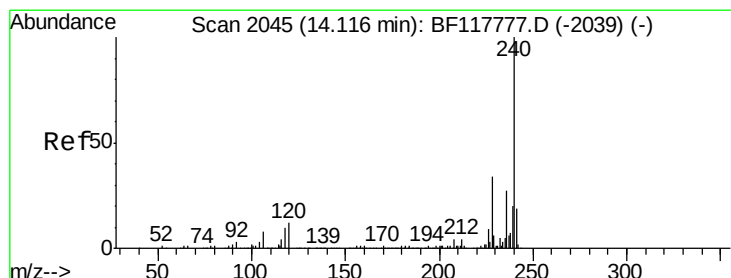
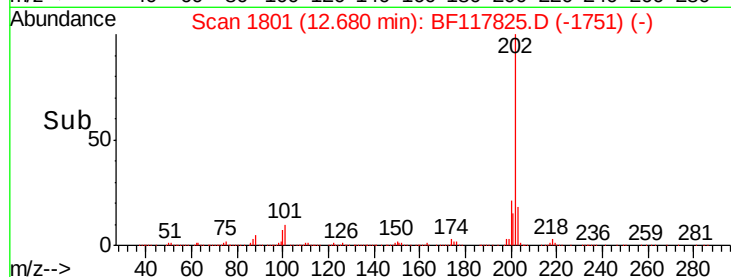
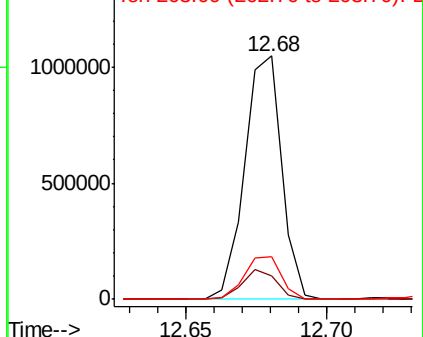
203 17.7 0.0 38.2



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: BF117825.D

Acq: 16 Nov 2019 1:24

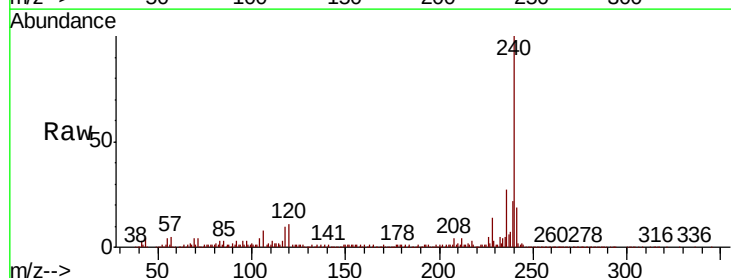
Tgt Ion:240 Resp: 557598

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

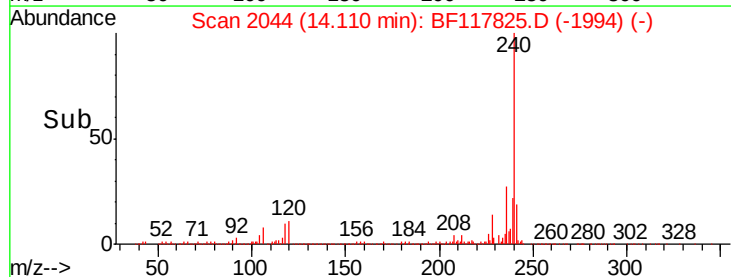
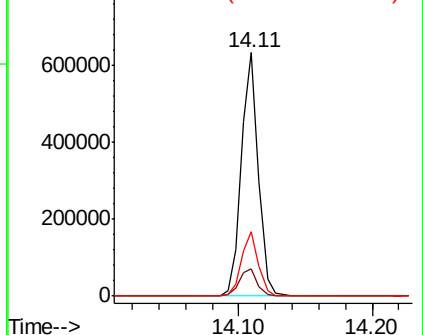
236 26.6 21.3 31.9

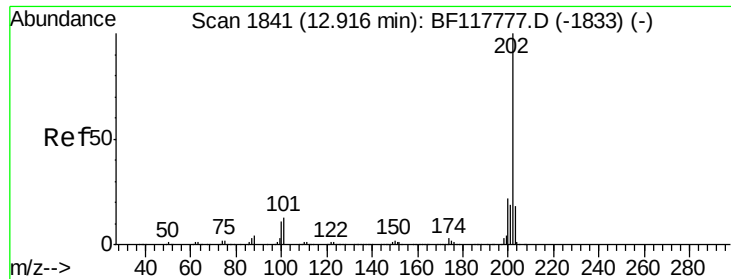


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

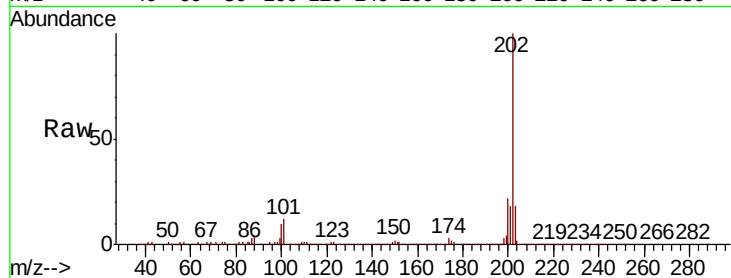




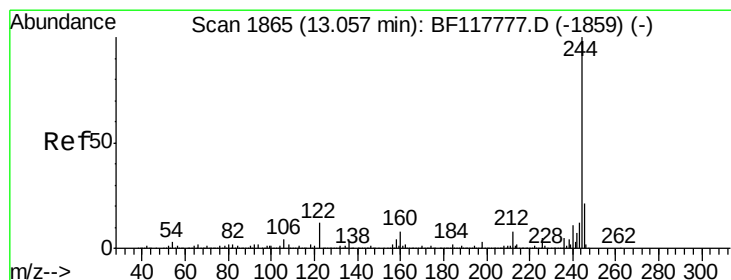
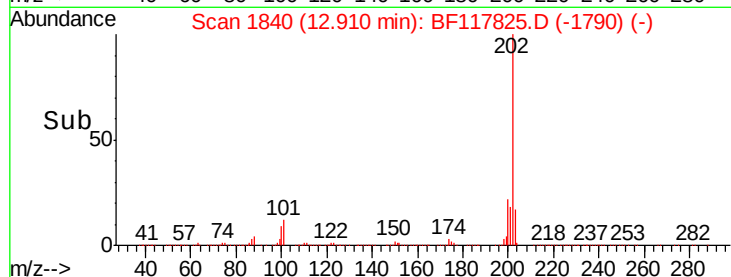
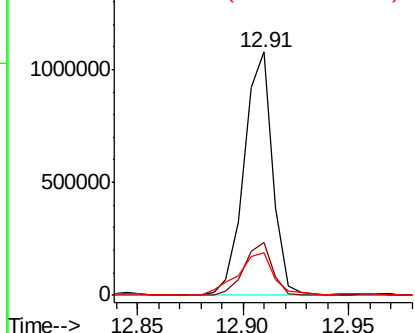
#78
Pvrene
Concen: 22.288 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 1004375
Ion Ratio Lower Upper
202 100
200 21.6 17.8 26.8
203 17.8 14.6 22.0

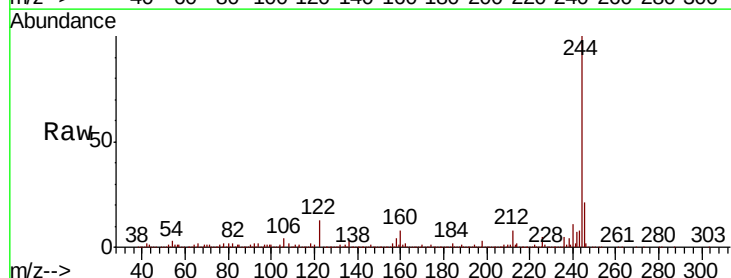


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

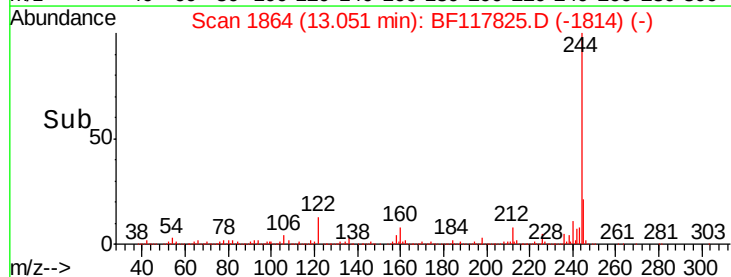
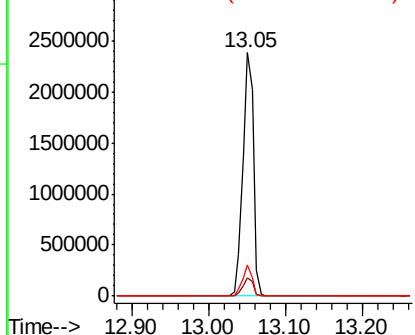


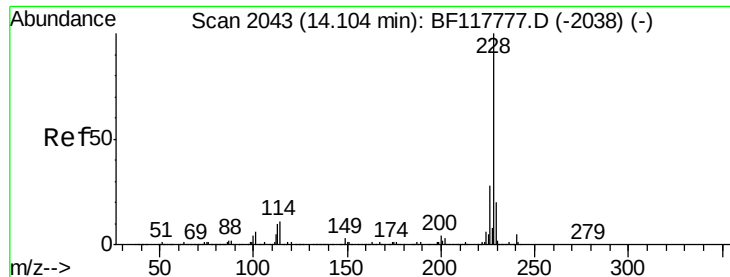
#79
Terphenyl-d14
Concen: 75.795 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion:244 Resp: 2312496
Ion Ratio Lower Upper
244 100
212 7.5 6.3 9.5
122 12.6 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

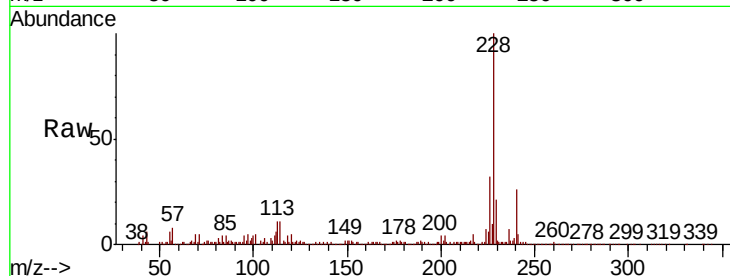




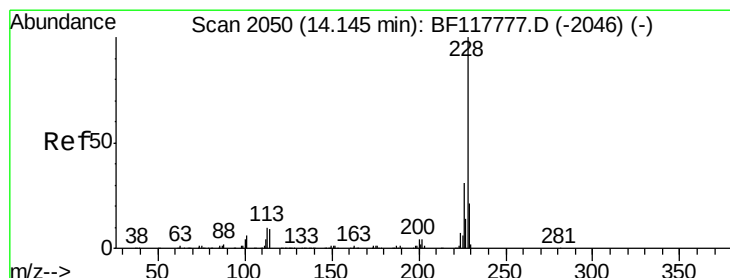
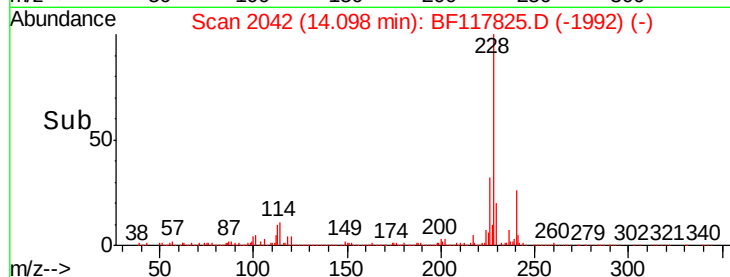
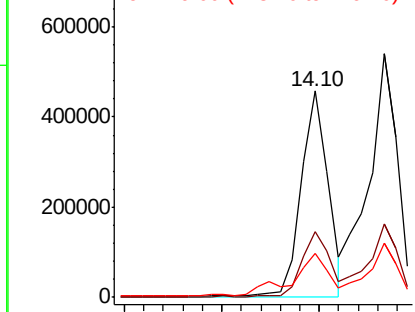
#81
Benzo(a)anthracene
Concen: 11.759 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 433292
Ion Ratio Lower Upper
228 100
226 32.2 22.2 33.2
229 21.3 15.9 23.9

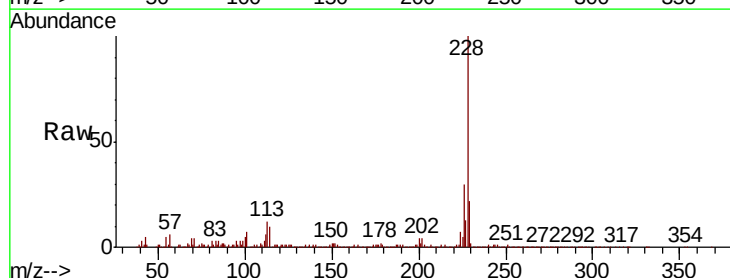


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

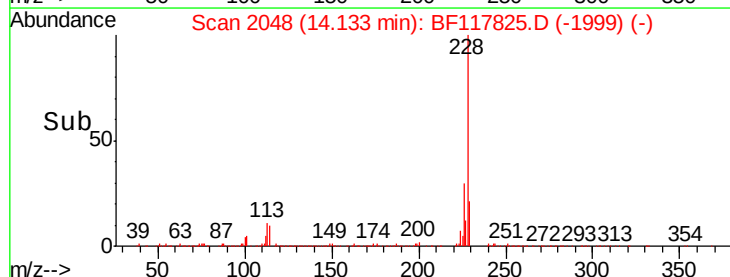
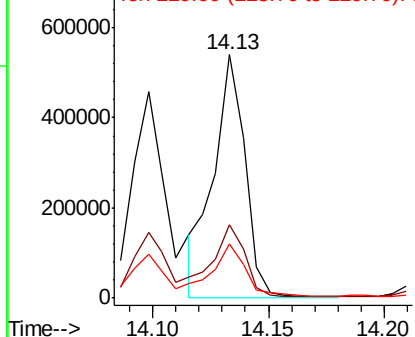


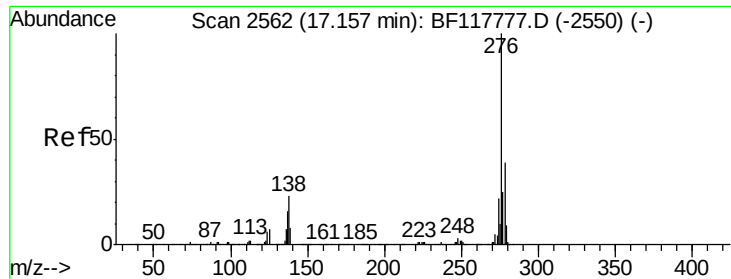
#83
Chrysene
Concen: 14.180 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion:228 Resp: 506301
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.4
229 22.5 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: 9.379 ng

RT: 17.14 min Scan# 2560

Delta R.T. -0.01 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Instrument :

BNA_F

ClientSampleId :

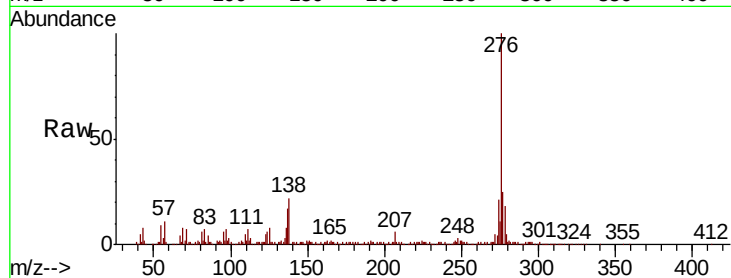
Tot Ion:276 Resp: 285017

Ion Ratio Lower Upper

276 100

138 21.9 20.9 31.3

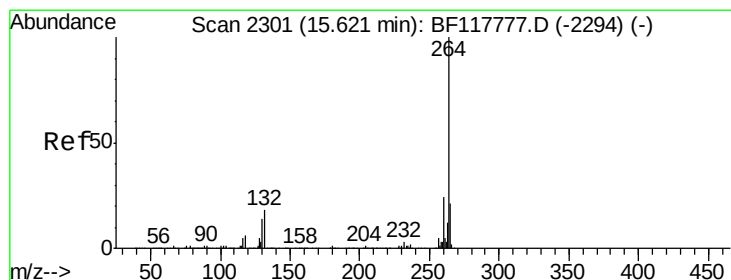
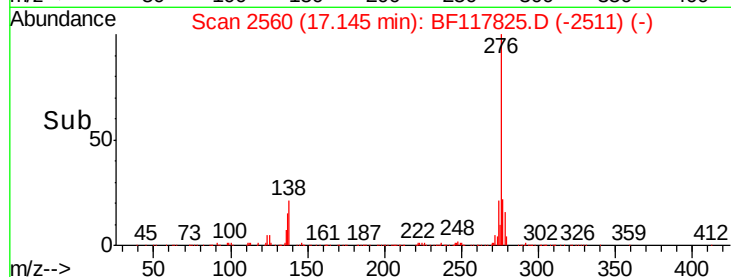
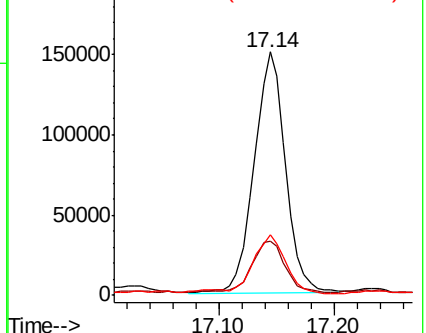
277 24.0 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2301

Delta R.T. -0.00 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

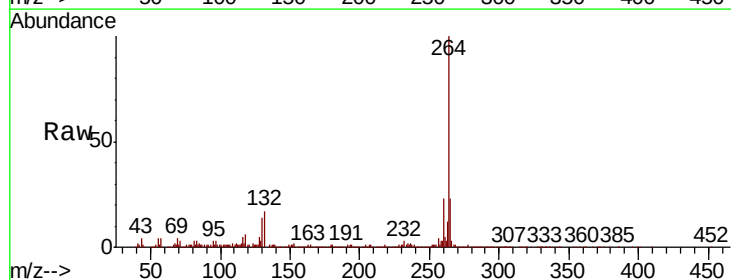
Tgt Ion:264 Resp: 661078

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.0

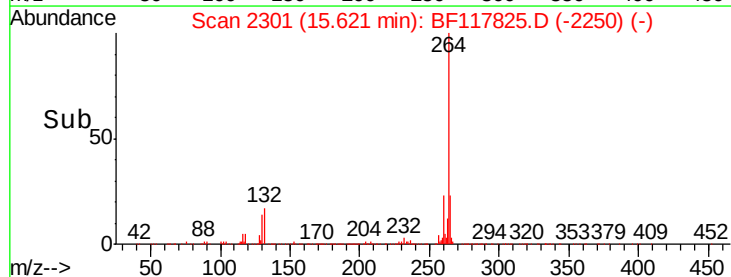
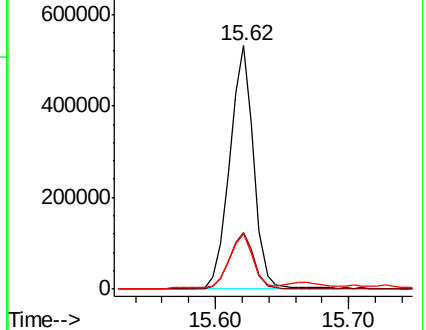
265 22.8 17.1 25.7

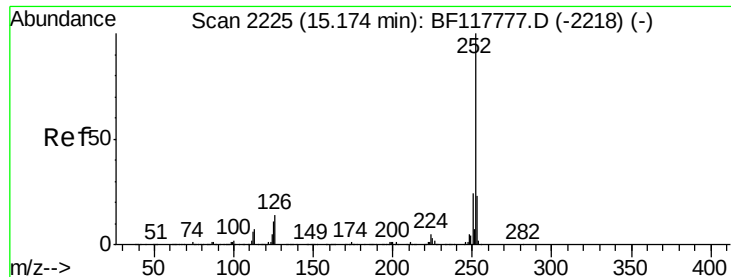


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

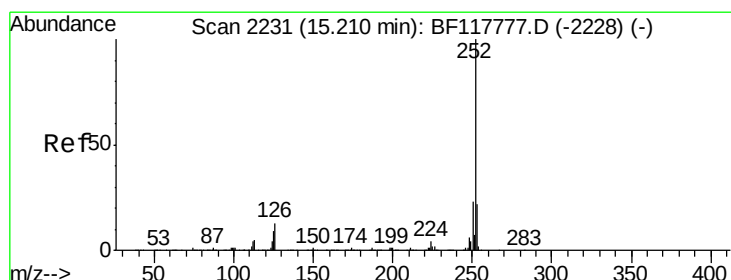
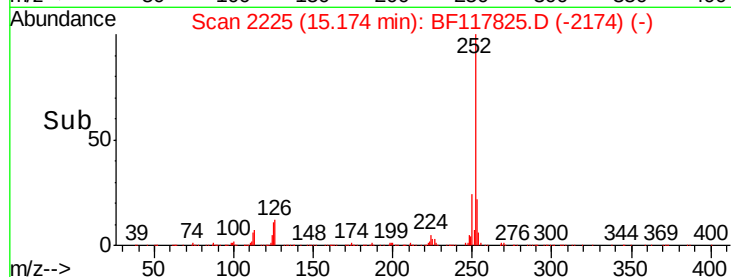
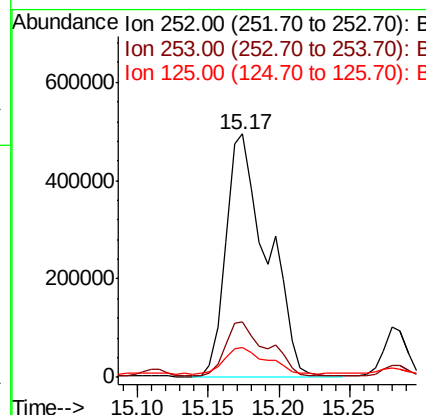
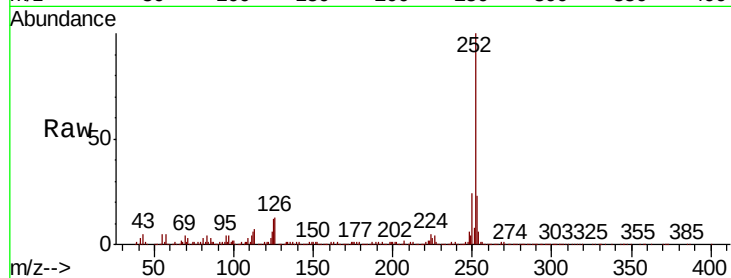




#88
Benzo(b)fluoranthene
Concen: 23.235 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

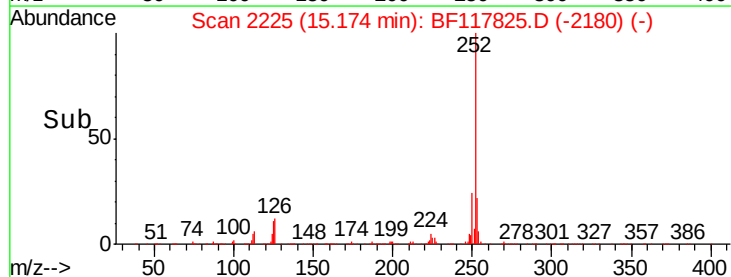
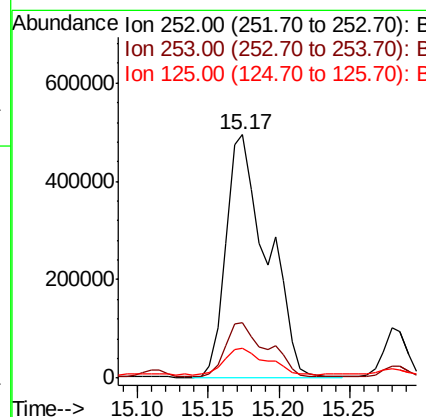
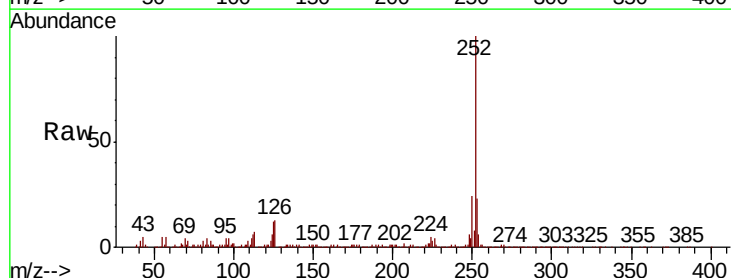
Instrument :
BNA_F
ClientSampleId :

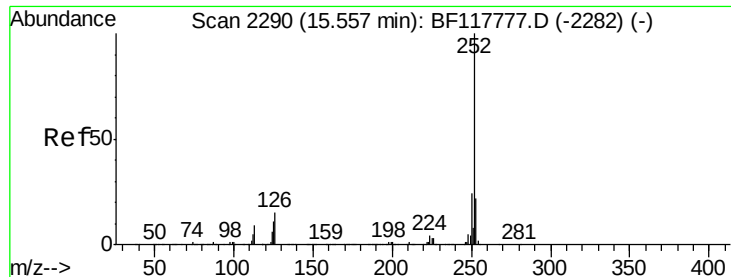
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.5	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 24.660 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.5	7.9	11.9





#90

Benzo(a)pyrene

Concen: 10.563 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.01 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Instrument :

BNA_F

ClientSampleId :

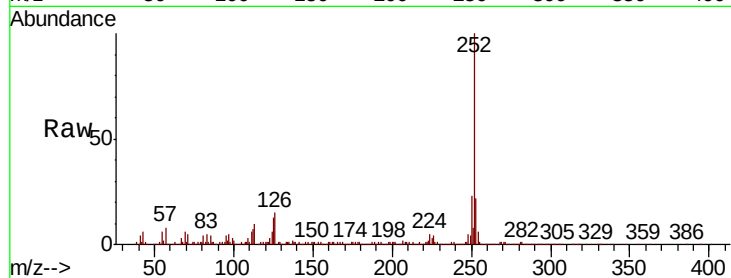
Tot Ion:252 Resp: 398952

Ion Ratio Lower Upper

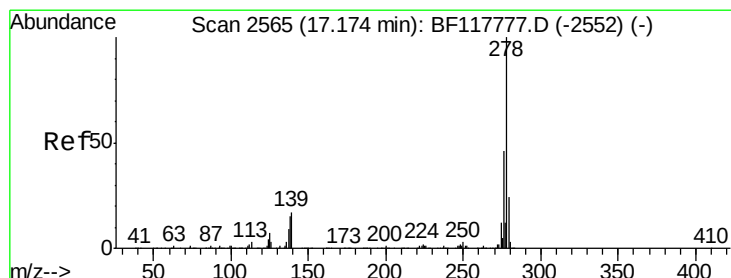
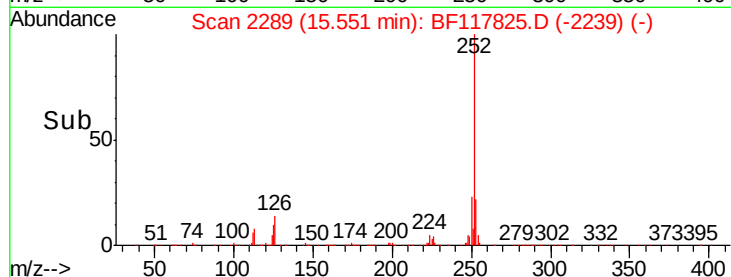
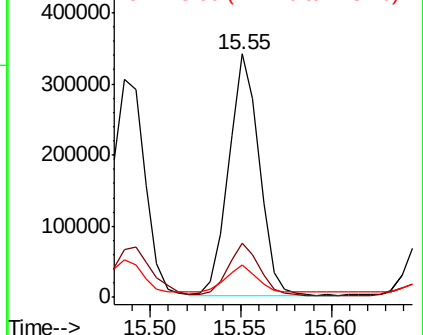
252 100

253 22.4 17.8 26.6

125 13.1 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



#91

Dibenzo(a,h)anthracene

Concen: 2.341 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.21 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

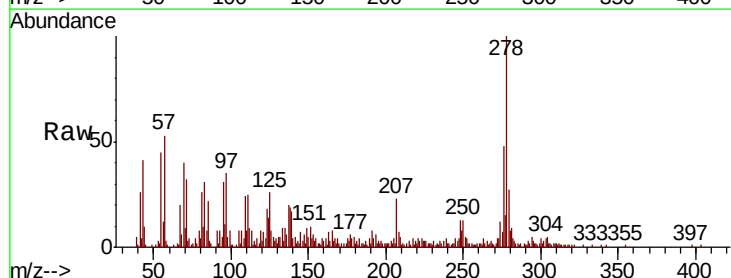
Tgt Ion:278 Resp: 76107

Ion Ratio Lower Upper

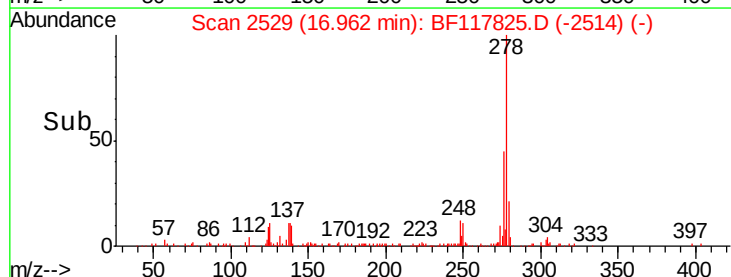
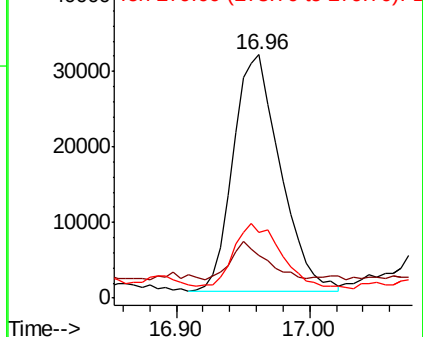
278 100

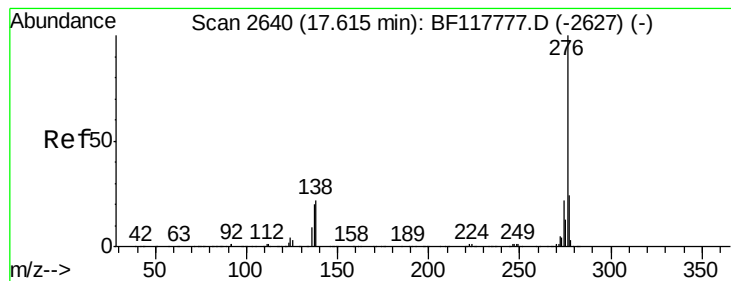
139 17.5 13.8 20.8

279 26.8 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 8.161 ng

RT: 17.61 min Scan# 2639

Delta R.T. -0.01 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Instrument :

BNA_F

ClientSampleId :

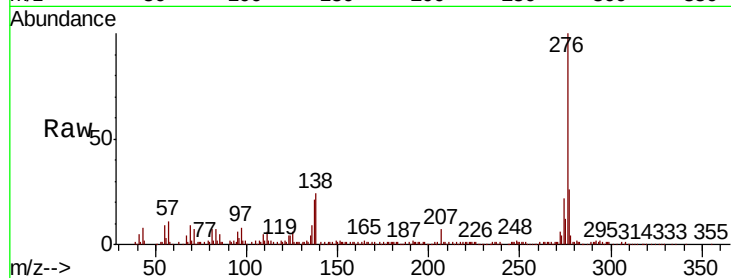
Tot Ion: 276 Resp: 264249

Ion Ratio Lower Upper

276 100

277 25.5 18.9 28.3

138 23.6 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

