

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116825.D
 Acq On : 4 Sep 2019 19:36
 Operator : HP/JU
 Sample : K4655-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-D

Quant Time: Sep 05 04:30:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	68026	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	272551	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	135486	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	205449	20.00	ng	0.00
76) Chrysene-d12	14.00	240	138851	20.00	ng	0.00
87) Perylene-d12	15.45	264	124455	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	441531	105.15	ng	0.00
7) Phenol-d6	6.48	99	602158	109.21	ng	0.00
23) Nitrobenzene-d5	7.41	82	364369	76.32	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	100906	111.41	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	596756	74.30	ng	0.00
79) Terphenyl-d14	12.94	244	463144	61.71	ng	0.00

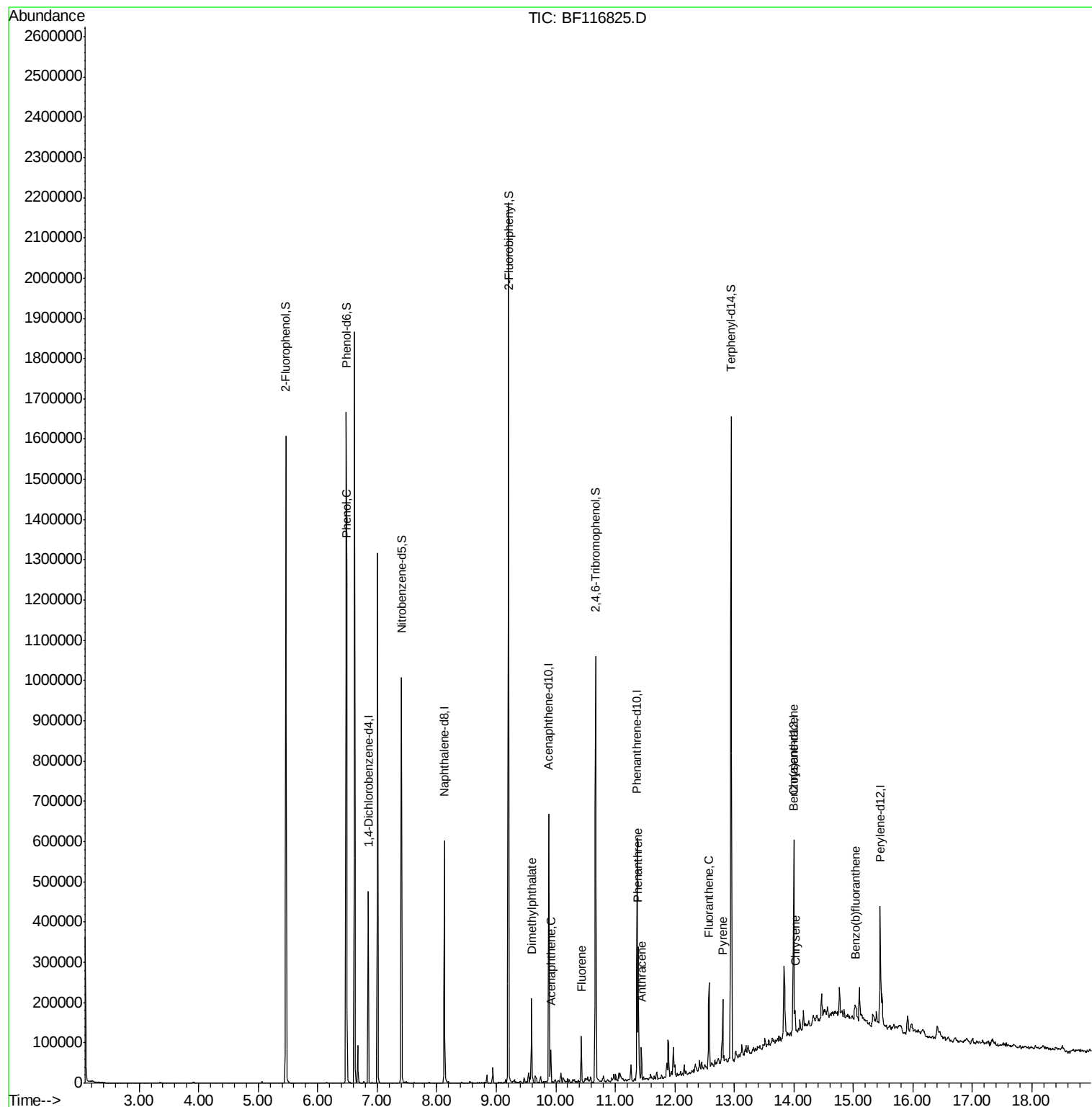
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	16099	2.637	ng	96
50) Dimethylphthalate	9.59	163	70585	7.546	ng	98
52) Acenaphthene	9.92	154	15709	2.077	ng	91
58) Fluorene	10.43	166	27941	3.439	ng	99
71) Phenanthrene	11.39	178	109138	9.543	ng	99
72) Anthracene	11.44	178	28893	2.510	ng	99
75) Fluoranthene	12.57	202	76610	6.816	ng	98
78) Pyrene	12.80	202	65574	5.313	ng	100
81) Benzo(a)anthracene	13.99	228	20442	2.326	ng	100
83) Chrysene	14.02	228	21515m	2.376	ng	
88) Benzo(b)fluoranthene	15.03	252	17367m	2.308	ng	

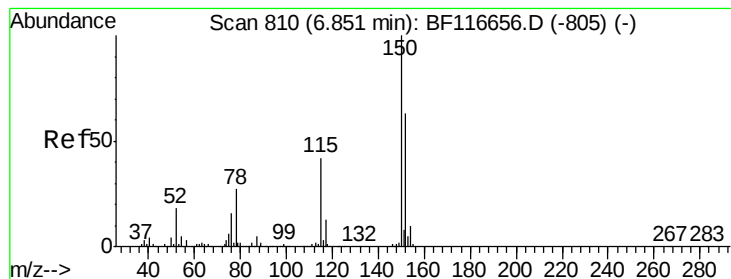
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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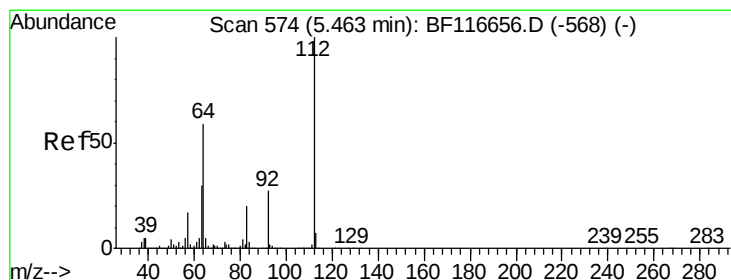
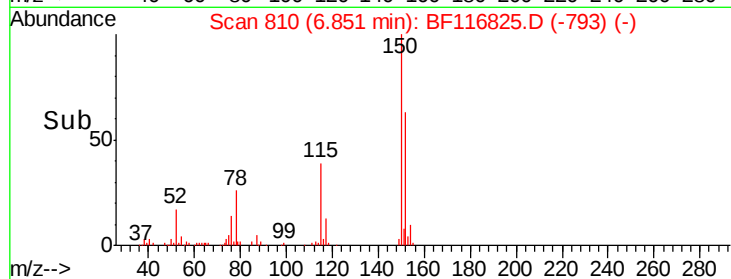
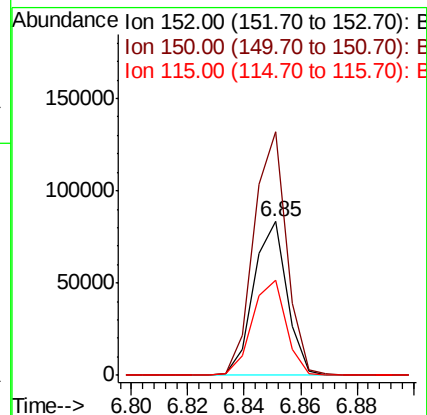
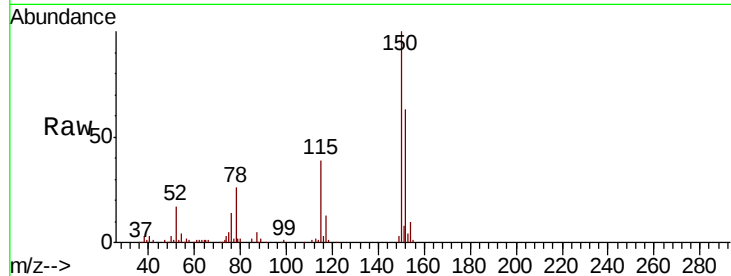


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :
TP-15-D

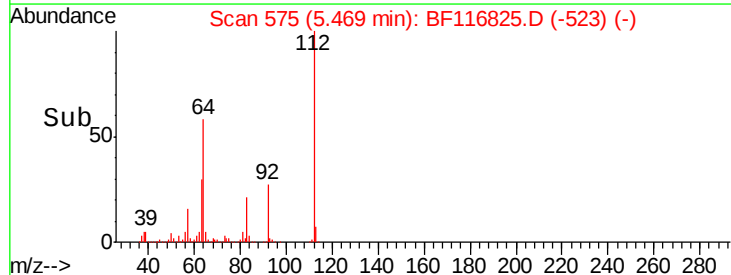
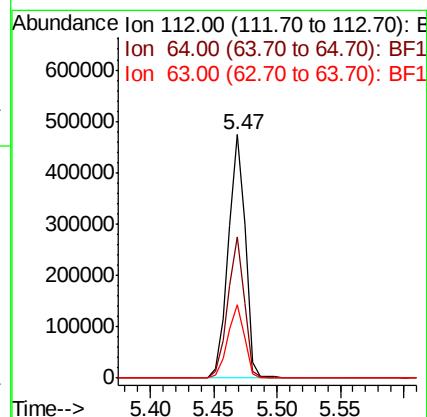
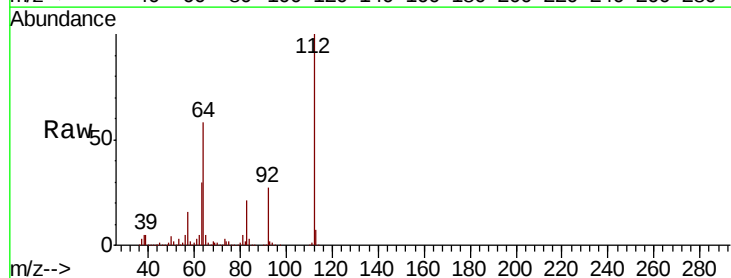
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.4	186.6
115	62.4	49.9	74.9



#5

2-Fluorophenol
Concen: 105.152 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.1	70.7
63	30.0	24.9	37.3





#7

Phenol-d6

Concen: 109.211 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

TP-15-D

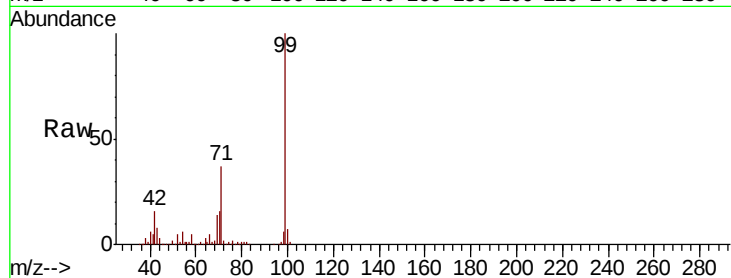
Tot Ion: 99 Resp: 602158

Ion Ratio Lower Upper

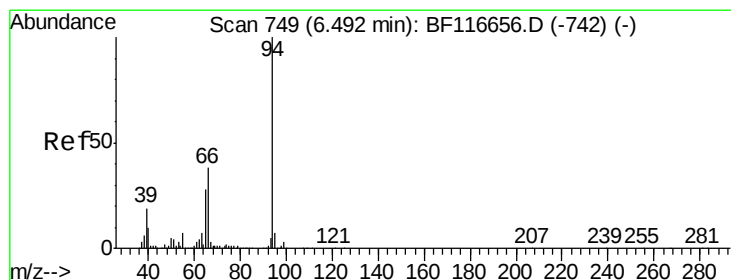
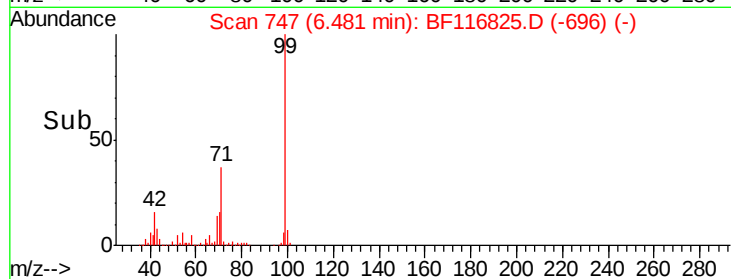
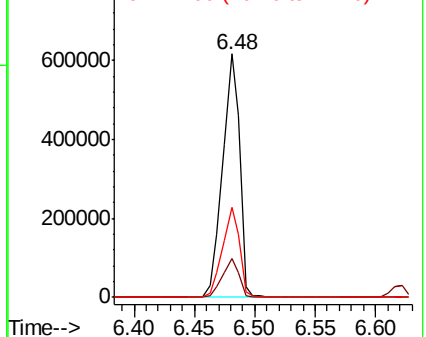
99 100

42 15.8 13.7 20.5

71 36.9 30.8 46.2



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: 2.637 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

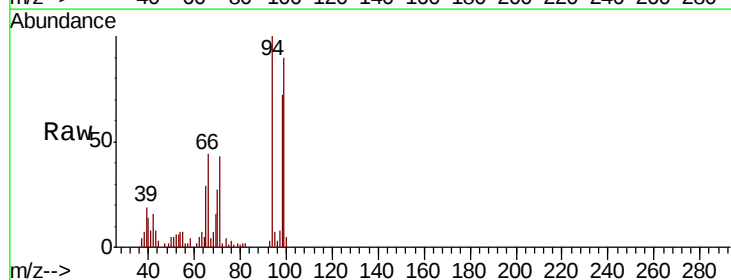
Tgt Ion: 94 Resp: 16099

Ion Ratio Lower Upper

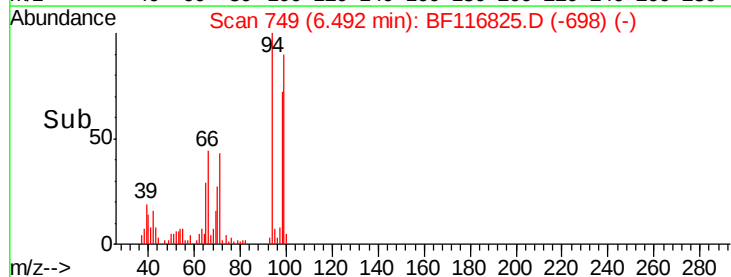
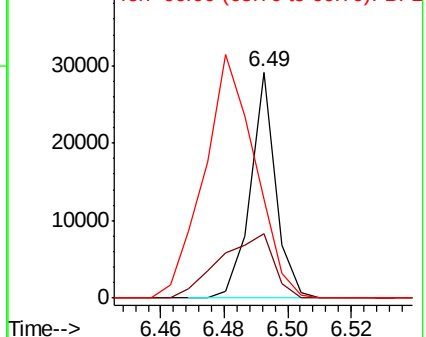
94 100

65 28.7 10.8 50.8

66 43.9 21.1 61.1



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

TP-15-D

Tot Ion:136 Resp: 272551

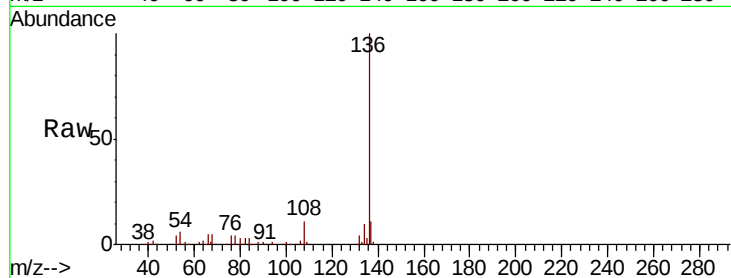
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 5.8 4.8 7.2

68 5.1 4.0 6.0

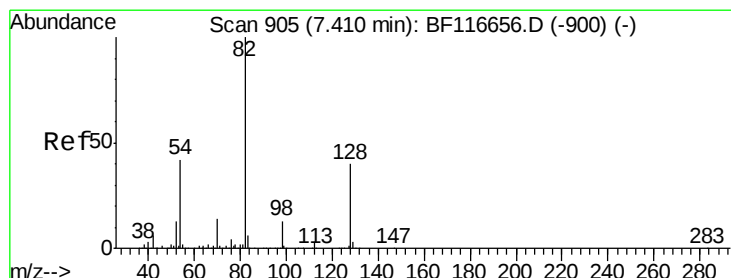
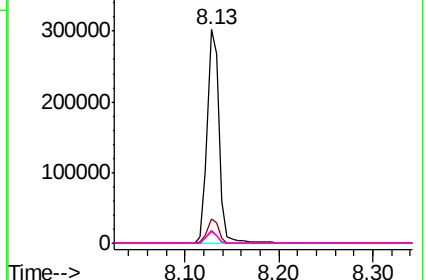
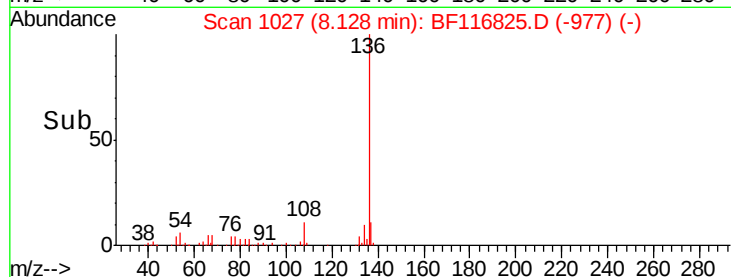


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 76.319 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

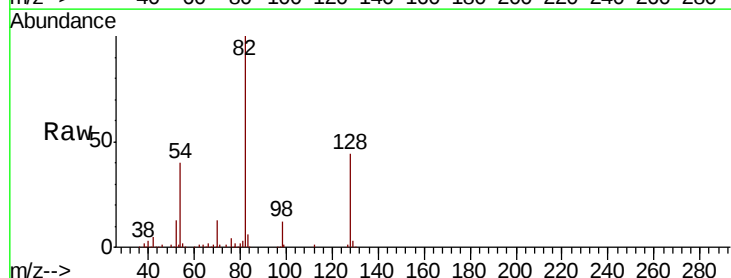
Tgt Ion: 82 Resp: 364369

Ion Ratio Lower Upper

82 100

128 43.5 32.8 49.2

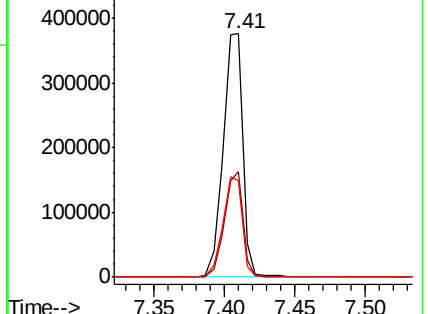
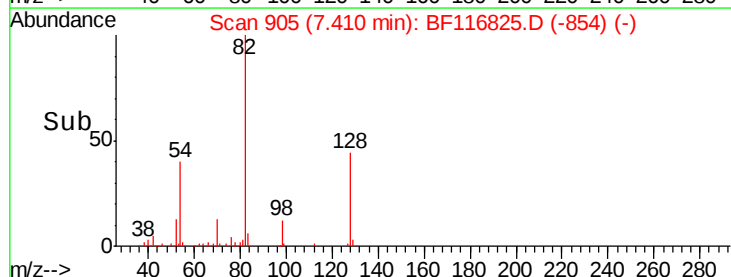
54 39.5 36.9 55.3



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

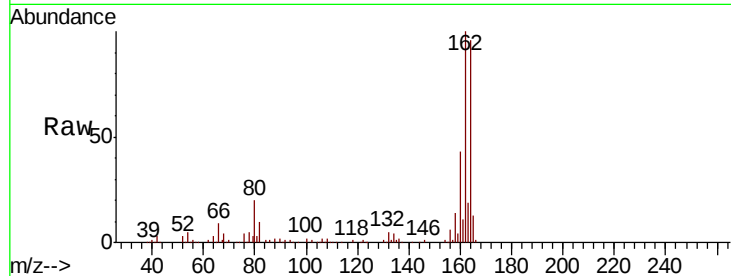




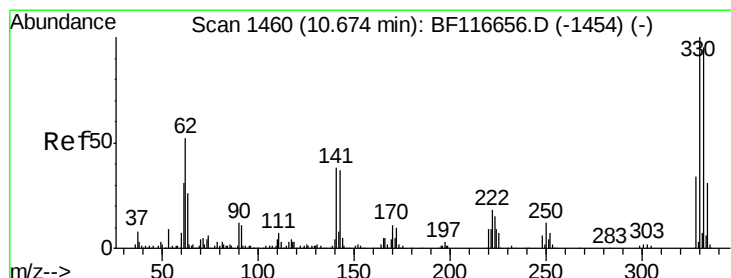
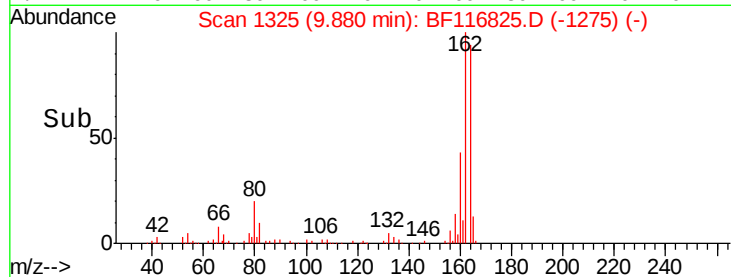
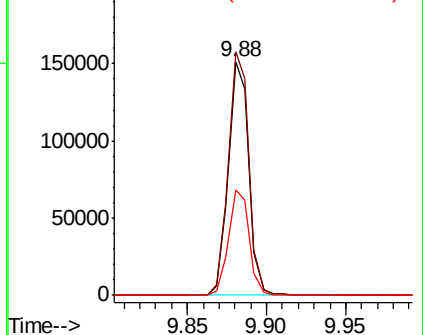
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :
TP-15-D

Tot Ion:164 Resp: 135486
Ion Ratio Lower Upper
164 100
162 104.1 81.4 122.0
160 45.0 35.4 53.2

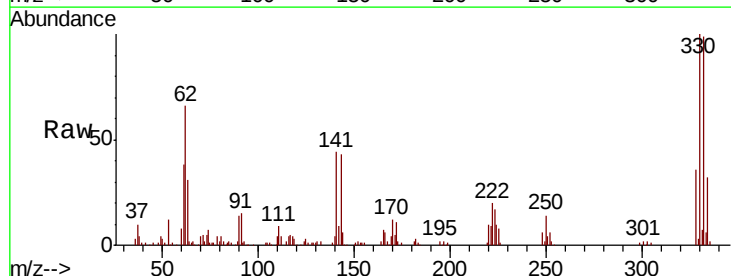


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

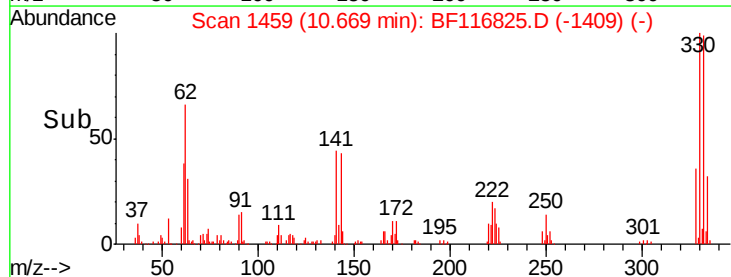
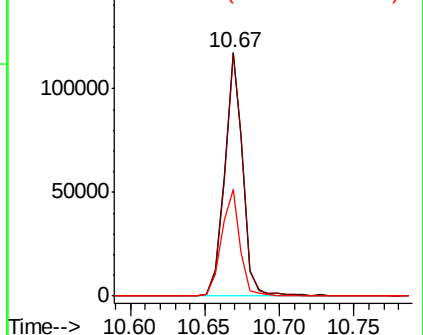


#42
2,4,6-Tribromophenol
Concen: 111.406 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion:330 Resp: 100906
Ion Ratio Lower Upper
330 100
332 99.6 76.9 115.3
141 44.2 31.4 47.2



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

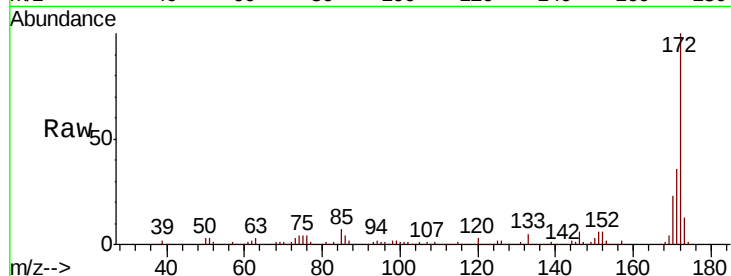




#45
2-Fluorobiphenyl
Concen: 74.300 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :
TP-15-D

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.8	41.6
170	23.3	18.9	28.3

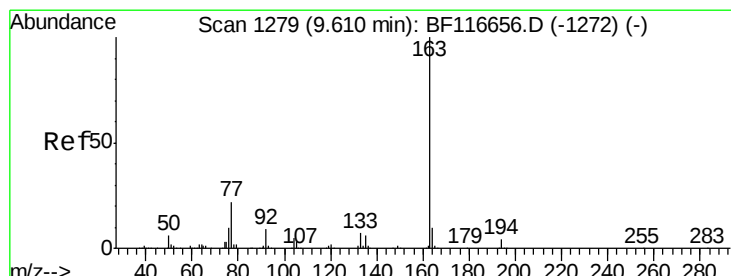
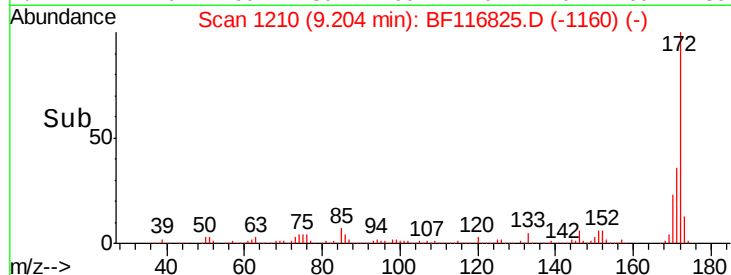
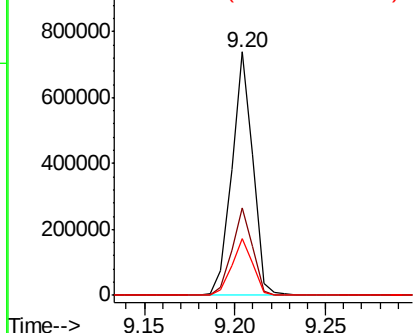


Abundance

Ion 172.00 (171.70 to 172.70): E

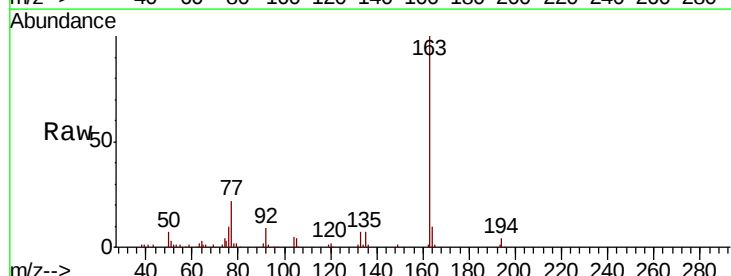
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.546 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	9.8	8.6	12.8

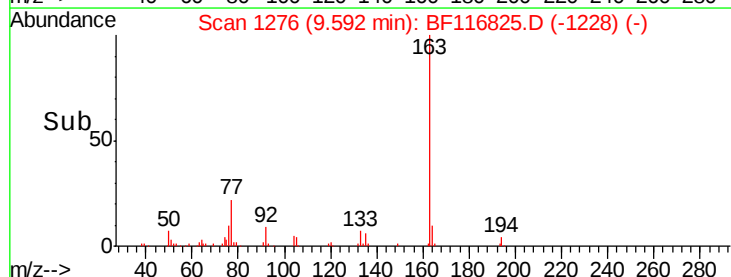
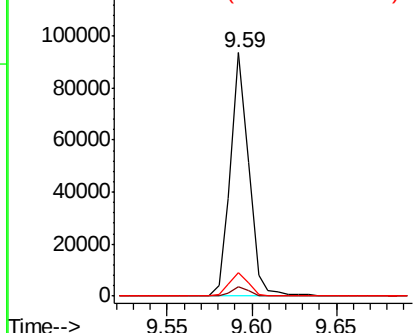


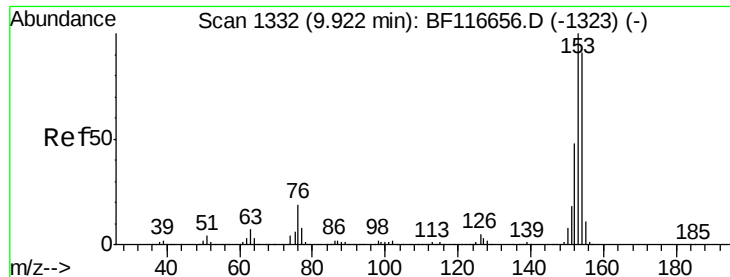
Abundance

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





#52

Acenaphthene

Concen: 2.077 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

TP-15-D

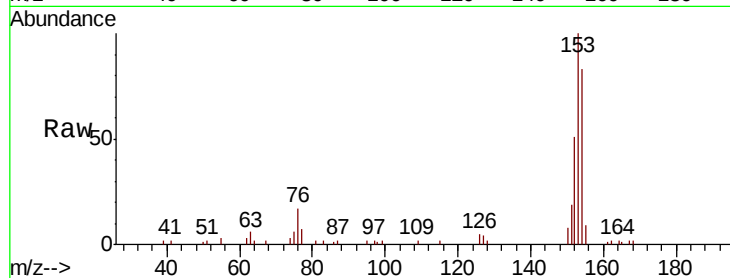
Tot Ion:154 Resp: 15709

Ion Ratio Lower Upper

154 100

153 120.1 89.5 134.3

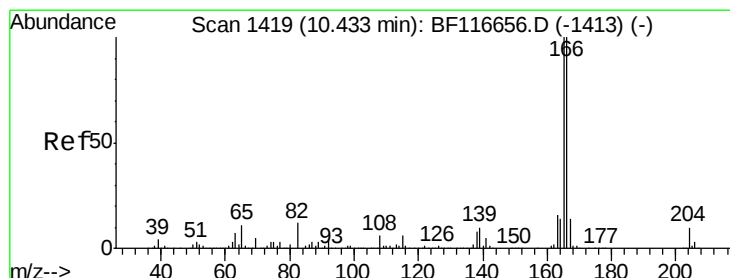
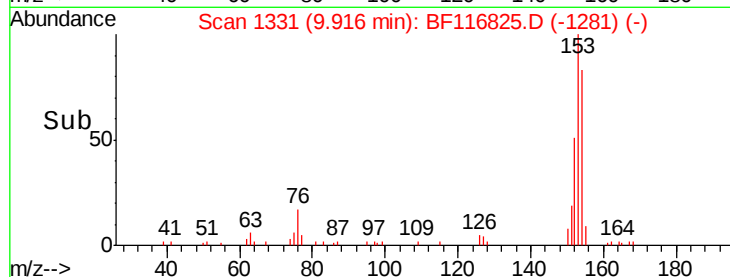
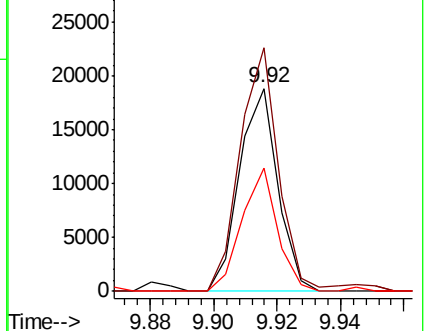
152 60.7 41.9 62.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 3.439 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

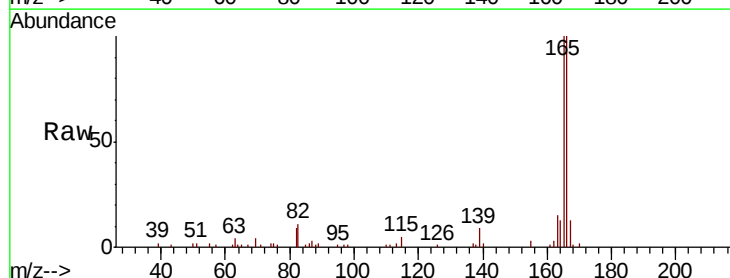
Tgt Ion:166 Resp: 27941

Ion Ratio Lower Upper

166 100

165 100.0 78.8 118.2

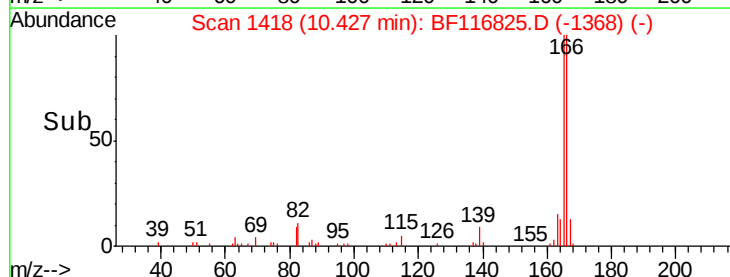
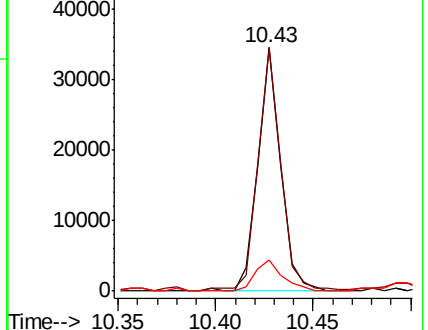
167 13.0 10.0 15.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

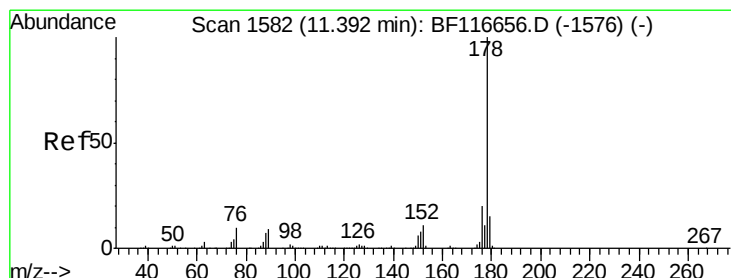
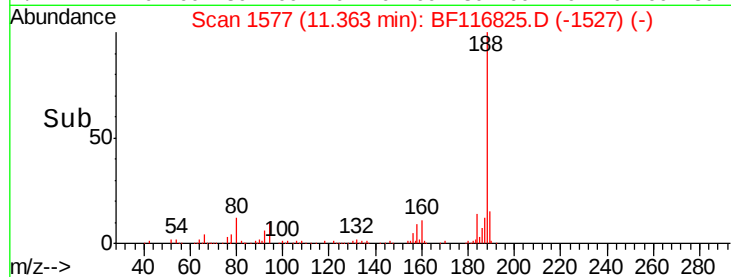
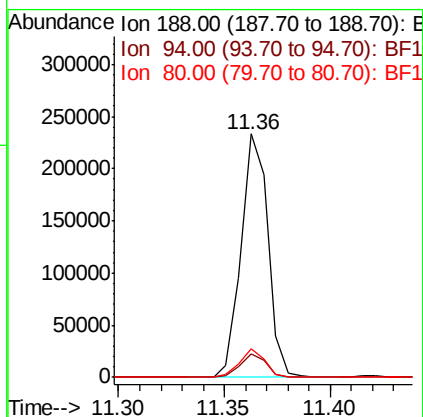
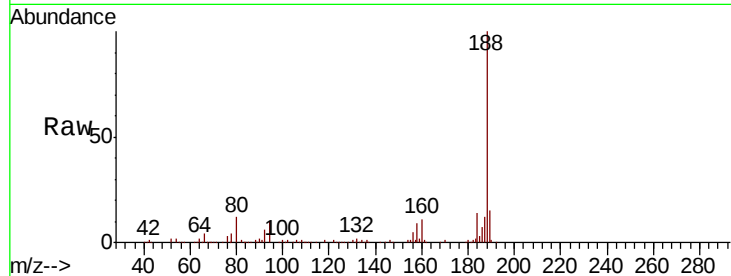




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

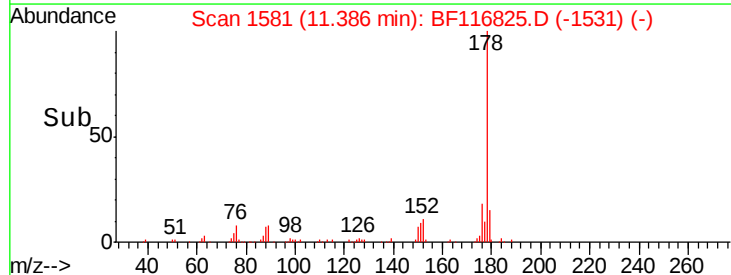
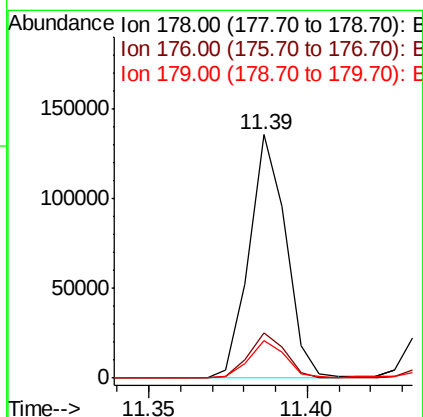
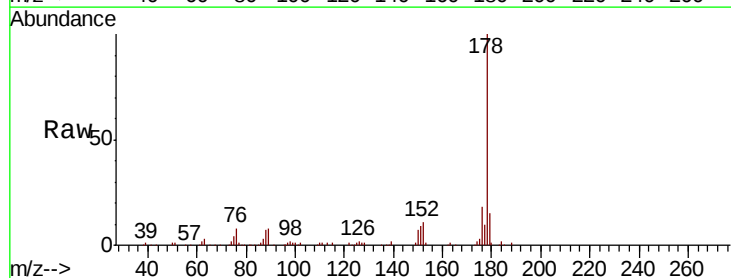
Instrument :
BNA_F
ClientSampleId :
TP-15-D

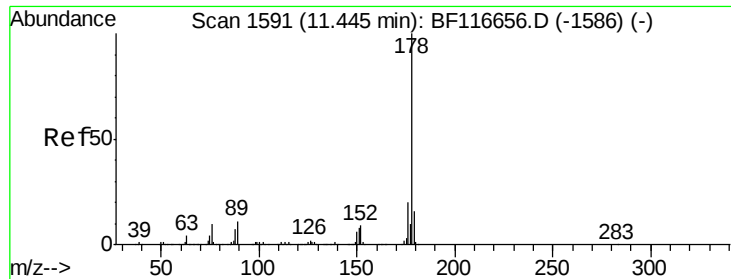
Tot Ion:188 Resp: 205449
Ion Ratio Lower Upper
188 100
94 9.8 7.3 10.9
80 11.6 8.4 12.6



#71
Phenanthrene
Concen: 9.543 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion:178 Resp: 109138
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.4 12.2 18.2

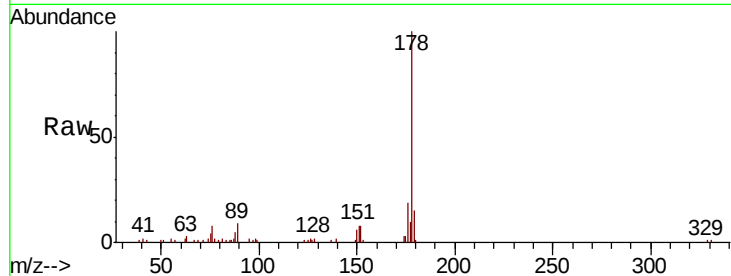




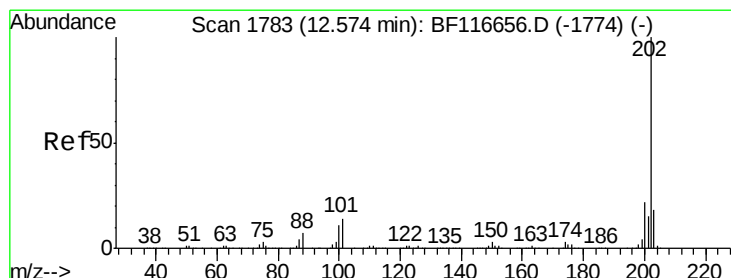
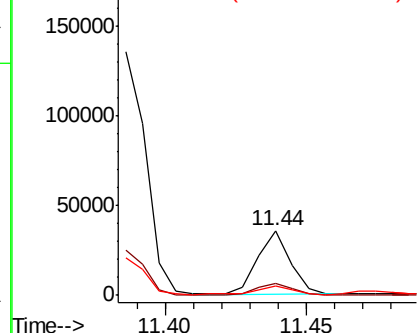
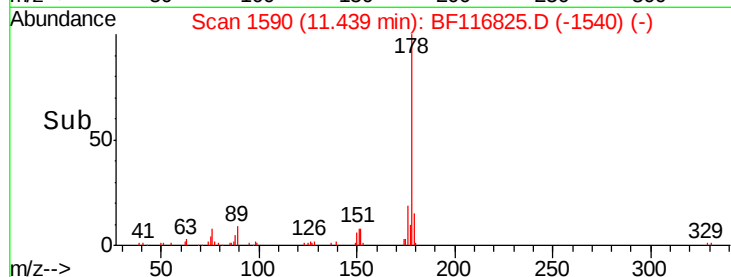
#72
 Anthracene
 Concen: 2.510 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: BF116825.D
 Acq: 4 Sep 2019 19:36

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-D

Tot Ion:178 Resp: 28893
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 14.9 12.5 18.7

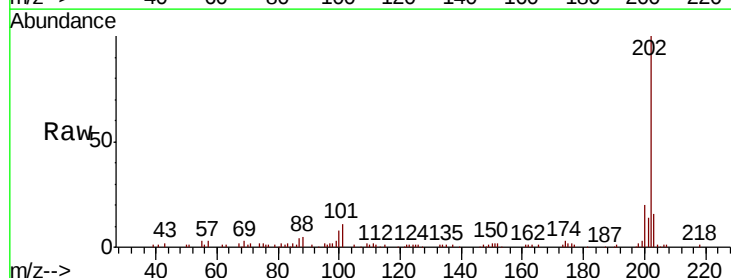


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

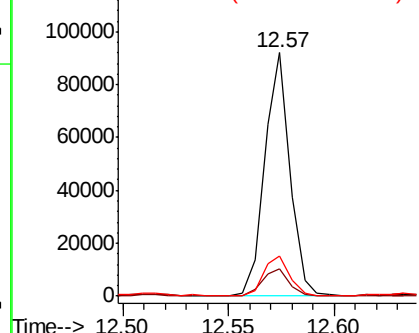
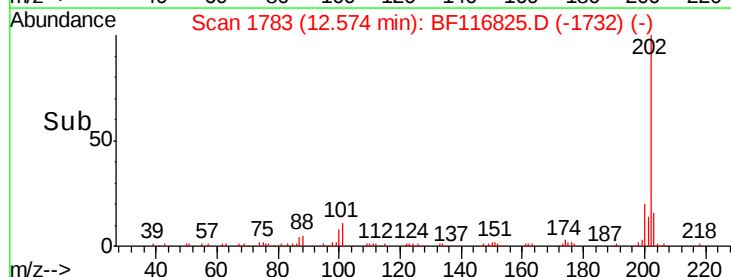


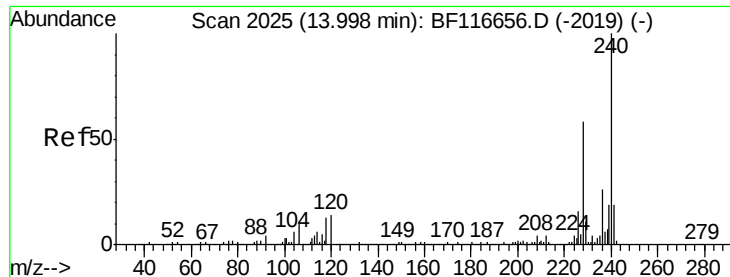
#75
 Fluoranthene
 Concen: 6.816 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF116825.D
 Acq: 4 Sep 2019 19:36

Tgt Ion:202 Resp: 76610
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 31.3
 203 16.3 0.0 37.6



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

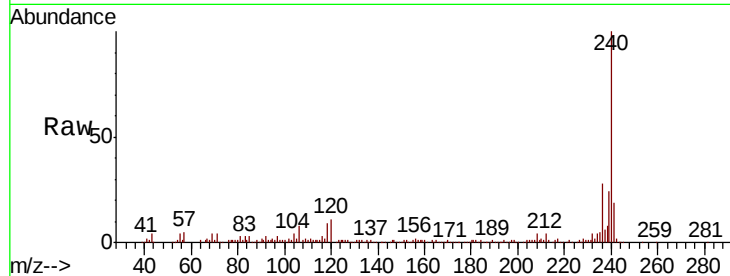




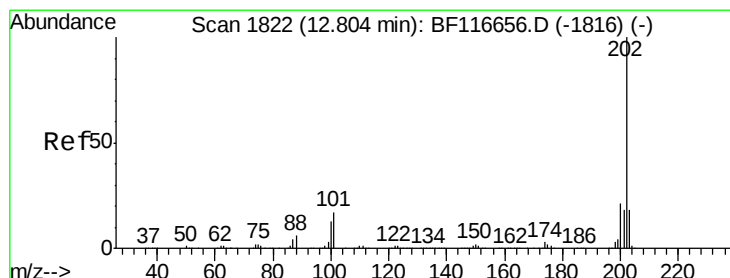
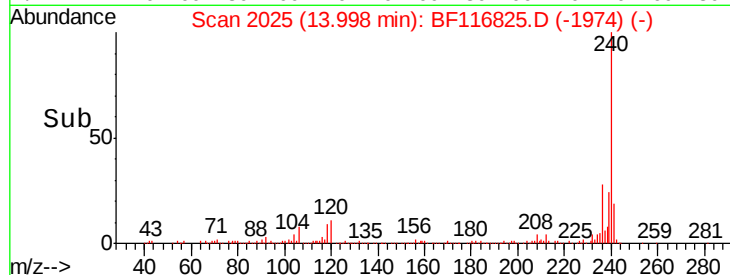
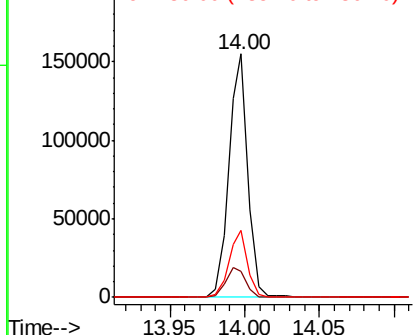
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :
TP-15-D

Tot Ion:240 Resp: 138851
Ion Ratio Lower Upper
240 100
120 10.8 9.1 13.7
236 27.6 21.1 31.7

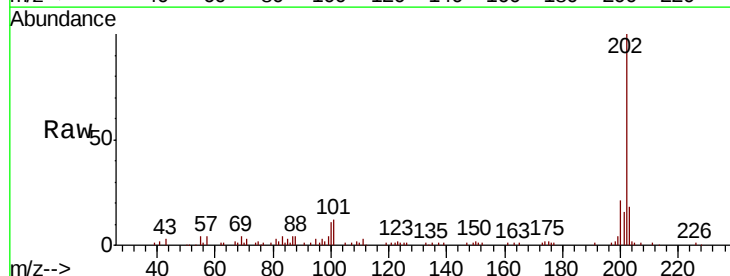


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

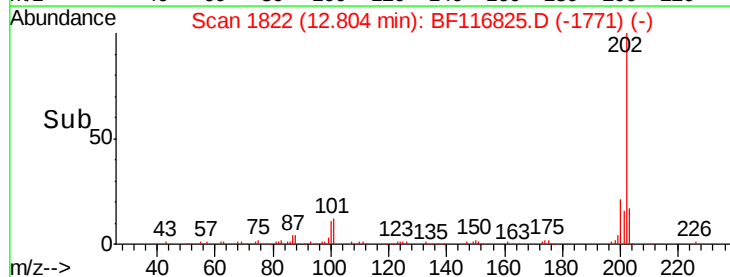
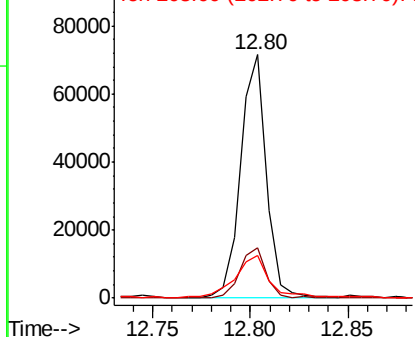


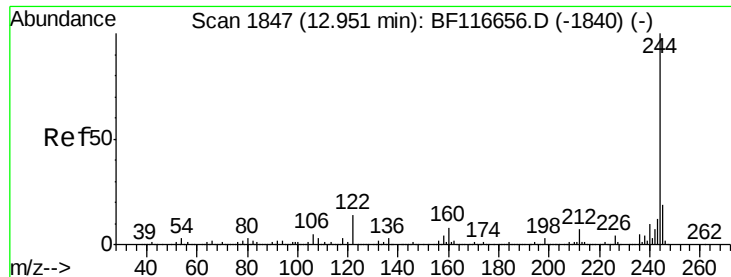
#78
Pyrene
Concen: 5.313 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116825.D
Acq: 4 Sep 2019 19:36

Tgt Ion:202 Resp: 65574
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.5 13.7 20.5



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

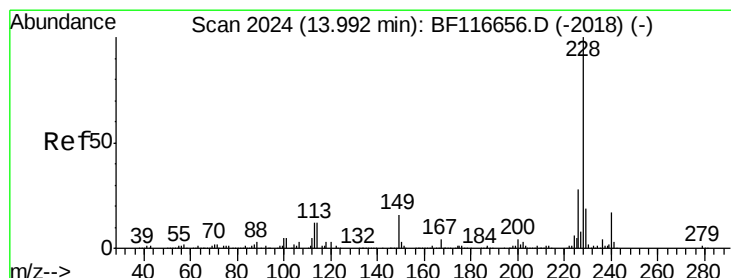
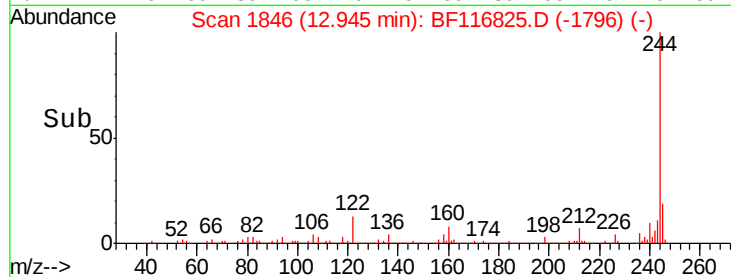
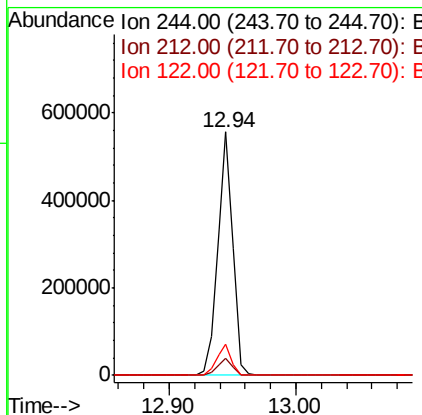
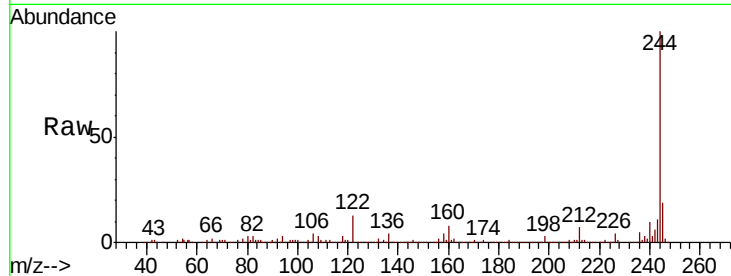




#79
 Terphenyl-d14
 Concen: 61.706 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116825.D
 Acq: 4 Sep 2019 19:36

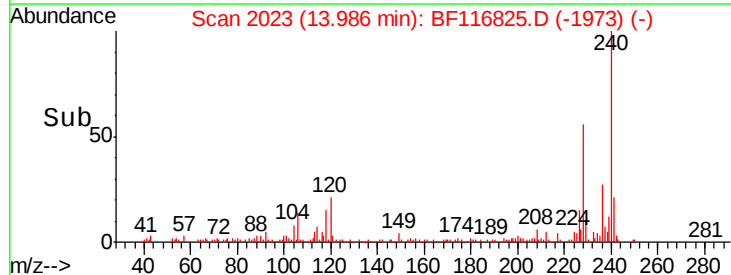
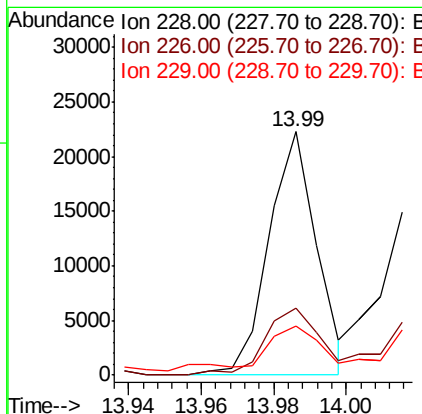
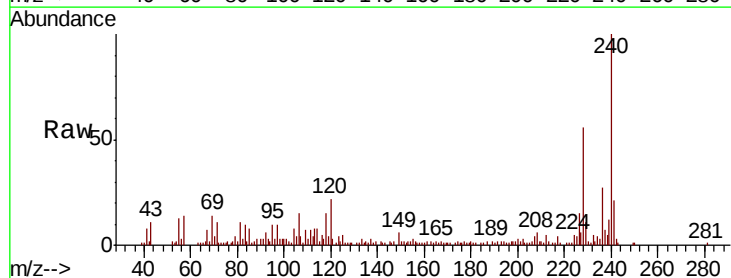
Instrument :
 BNA_F
 ClientSampleId :
 TP-15-D

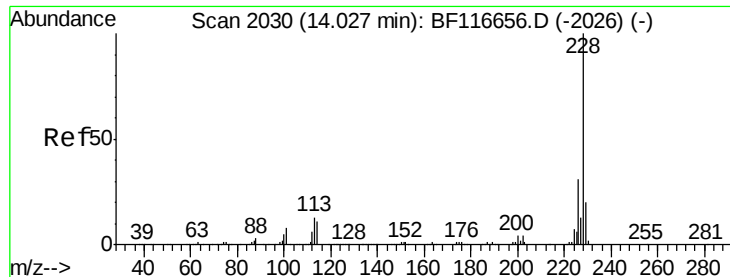
Tot Ion:244 Resp: 463144
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 12.6 10.2 15.4



#81
 Benzo(a)anthracene
 Concen: 2.326 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116825.D
 Acq: 4 Sep 2019 19:36

Tgt Ion:228 Resp: 20442
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.0 33.0
 229 20.4 16.4 24.6





#83

Chrysene

Concen: 2.376 ng/mL

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

TP-15-D

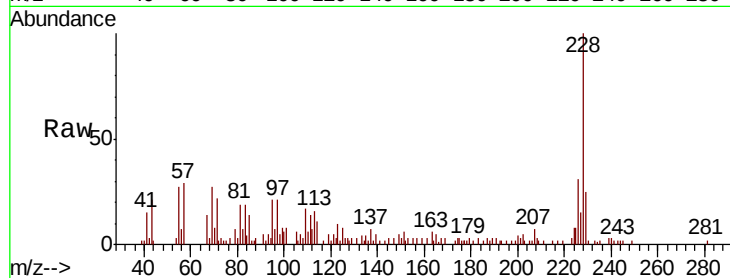
Tot Ion: 228 Resp: 21515

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

229 24.9 15.4 23.0#

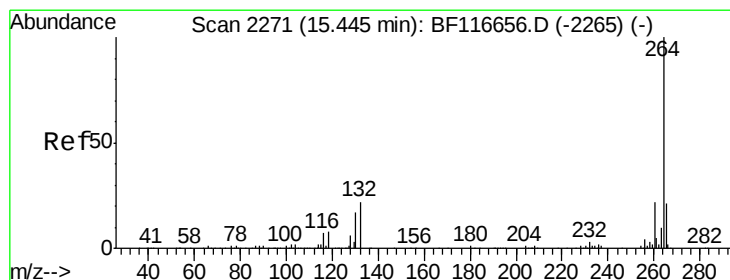
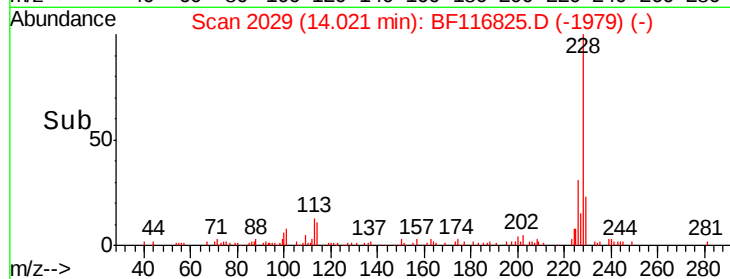
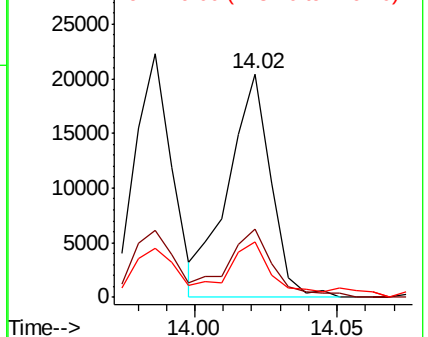


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

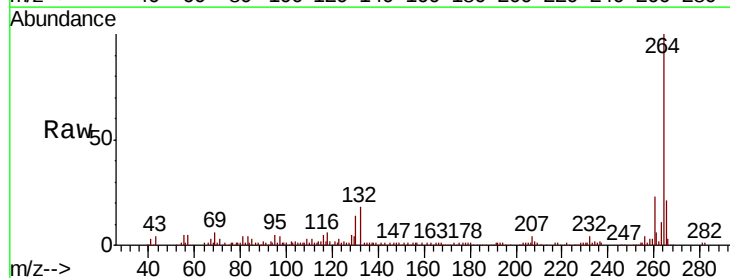
Tgt Ion: 264 Resp: 124455

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 20.8 16.5 24.7

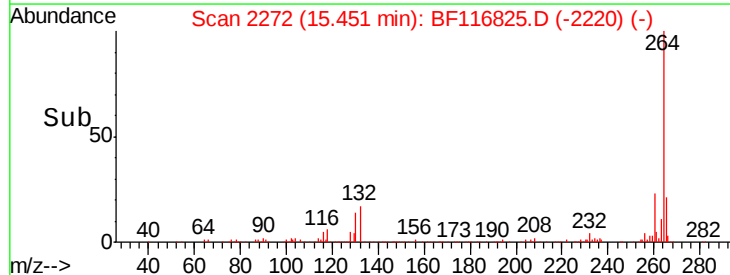
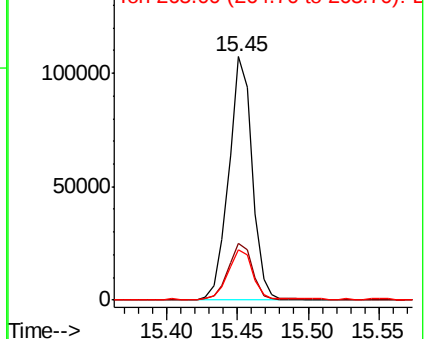


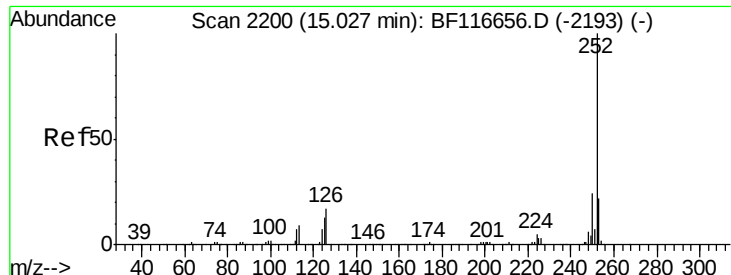
Abundance

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: 2.308 ng/mL

RT: 15.03 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BF116825.D

Acq: 4 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

TP-15-D

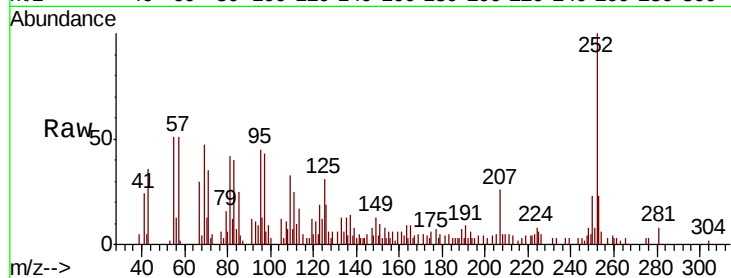
Tot Ion: 252 Resp: 17367

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 30.5 8.2 12.2



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

