

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117535.D
 Acq On : 25 Oct 2019 14:52
 Operator : JU
 Sample : K5502-15
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 178-02-(0-2.3)

Quant Time: Oct 26 00:11:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

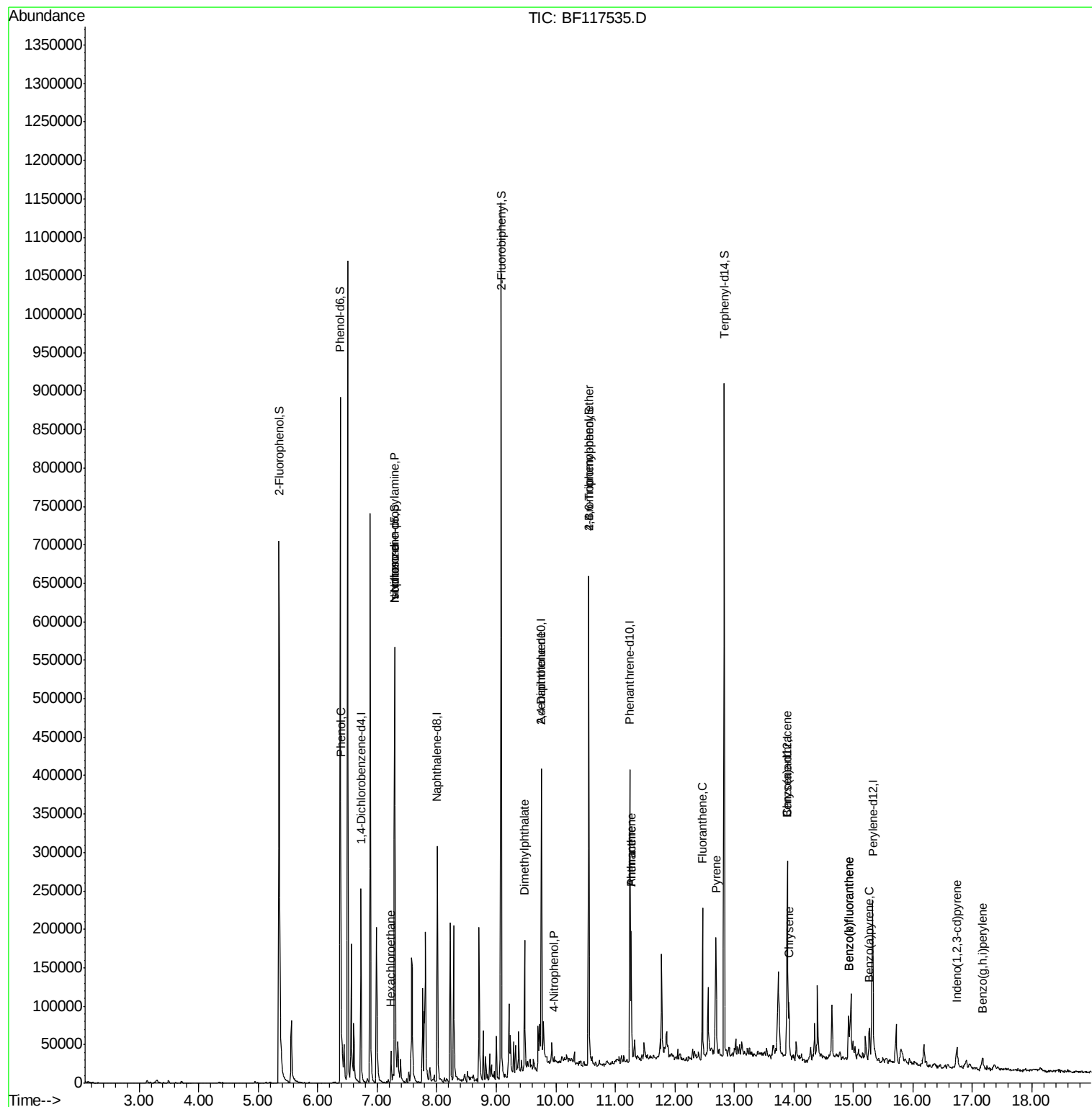
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	39284	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	153818	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	81800	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	127859	20.00	ng	0.00
76) Chrysene-d12	13.89	240	76418	20.00	ng	0.00
87) Perylene-d12	15.32	264	79176	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	248612	94.15	ng	0.00
7) Phenol-d6	6.38	99	338400	95.42	ng	0.00
23) Nitrobenzene-d5	7.29	82	211586	67.91	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	67371	95.19	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	333603	57.46	ng	-0.01
79) Terphenyl-d14	12.83	244	256506	54.75	ng	0.00
Target Compounds						
9) Benzaldehyde	6.38	77	392	Below Cal		Qvalue # 3
10) Phenol	6.39	94	8828	2.439 ng		95
18) Hexachloroethane	7.23	117	5927	4.814 ng	#	6
19) n-Nitroso-di-n-propylamine	7.29	70	27992	12.924 ng	#	82
25) Isophorone	7.29	82	211585	39.255 ng	#	65
50) Dimethylphthalate	9.48	163	66430	11.392 ng		100
56) 4-Nitrophenol	9.97	139	1002	5.528 ng	#	60
57) 2,4-Dinitrotoluene	9.76	165	10125	6.258 ng	#	18
67) 4-Bromophenyl-phenylether	10.55	248	4176	3.032 ng	#	1
71) Phenanthrene	11.27	178	58294	7.852 ng		98
72) Anthracene	11.27	178	58294	7.652 ng		97
75) Fluoranthene	12.46	202	77146	10.380 ng		97
77) Benzidine	12.83	184	3557	Below Cal	#	89
78) Pyrene	12.69	202	64964	9.897 ng		99
81) Benzo(a)anthracene	13.88	228	29853	5.791 ng		99
83) Chrysene	13.92	228	25224	4.993 ng		96
86) Indeno(1,2,3-cd)pyrene	16.74	276	14141	3.749 ng		95
88) Benzo(b)fluoranthene	14.92	252	39245	8.394 ng		99
89) Benzo(k)fluoranthene	14.92	252	39245	8.190 ng		97
90) Benzo(a)pyrene	15.27	252	20571	4.839 ng	#	88
92) Benzo(a,h,i)perylene	17.17	276	13474	3.874 ng	#	89

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117535.D
Acq On : 25 Oct 2019 14:52
Operator : JU
Sample : K5502-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
178-02-(0-2.3)

Quant Time: Oct 26 00:11:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration



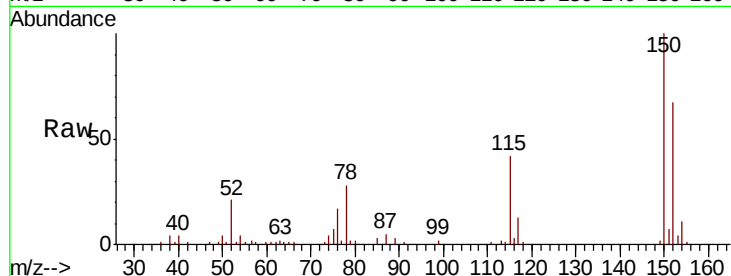


#1

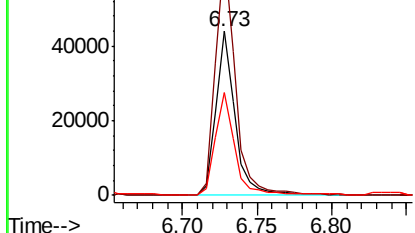
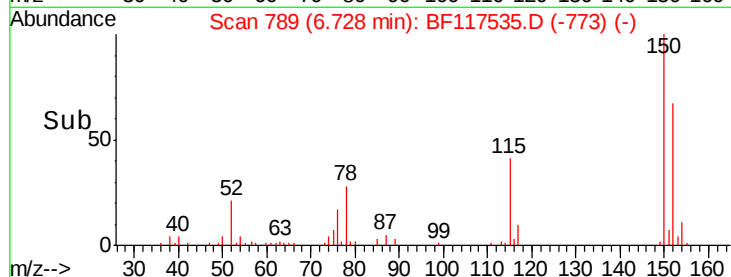
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

Instrument :
BNA_F
ClientSampleId :
178-02-(0-2.3)

Tot Ion:152 Resp: 39284
Ion Ratio Lower Upper
152 100
150 148.6 126.8 190.2
115 62.6 51.6 77.4



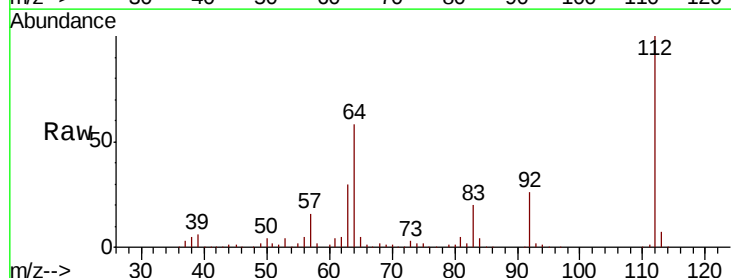
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



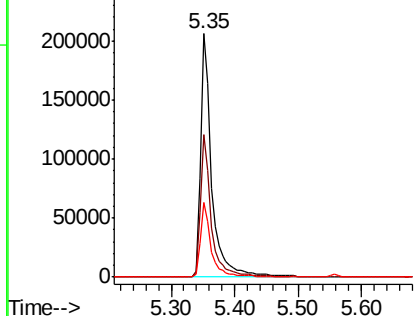
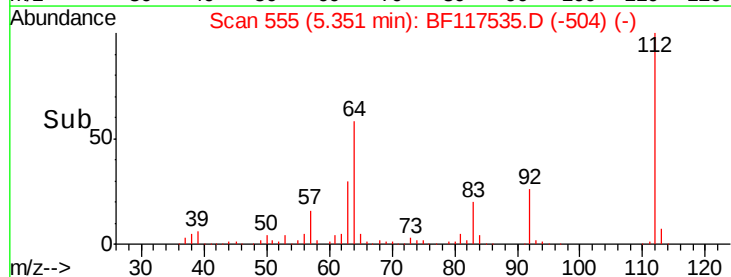
#5

2-Fluorophenol
Concen: 94.151 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

Tgt Ion:112 Resp: 248612
Ion Ratio Lower Upper
112 100
64 58.4 44.1 66.1
63 30.5 23.4 35.2



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: 95.415 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

Instrument :

BNA_F

ClientSampleId :

178-02-(0-2.3)

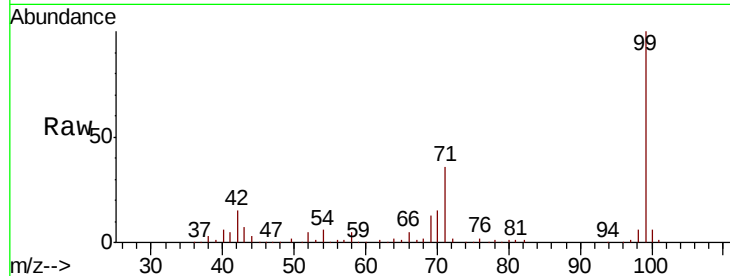
Tot Ion: 99 Resp: 338400

Ion Ratio Lower Upper

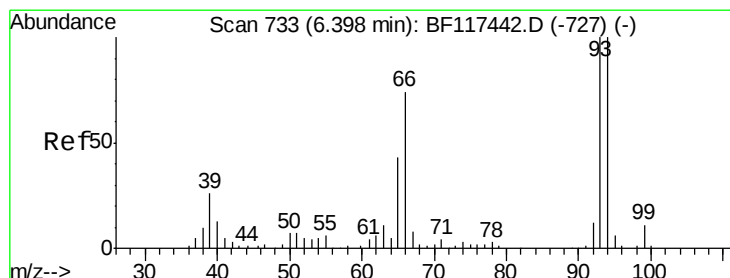
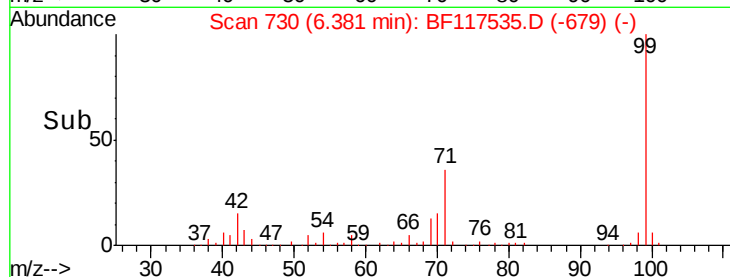
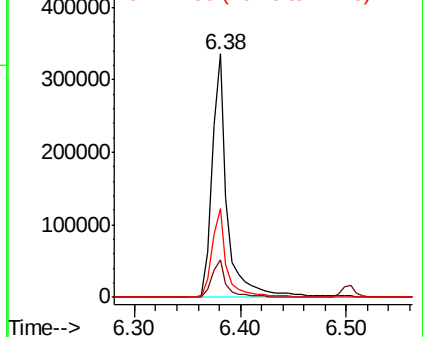
99 100

42 15.2 12.8 19.2

71 36.3 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: 2.439 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

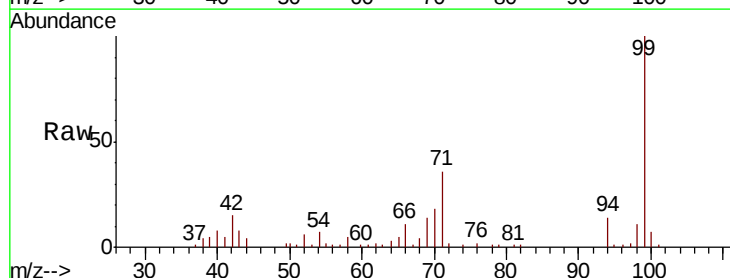
Tgt Ion: 94 Resp: 8828

Ion Ratio Lower Upper

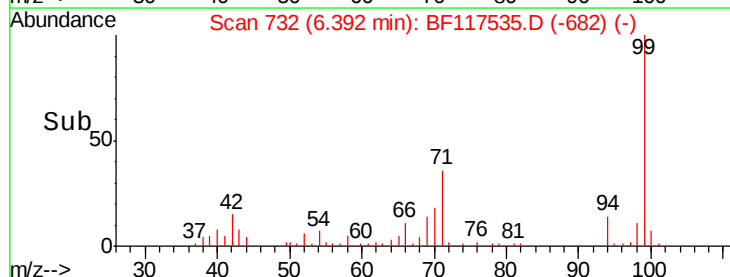
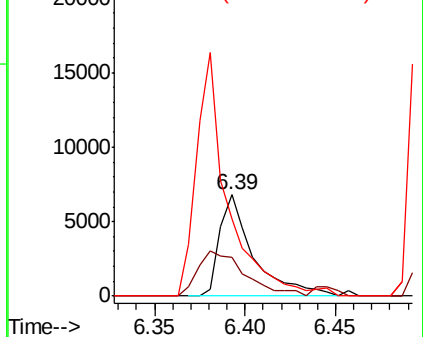
94 100

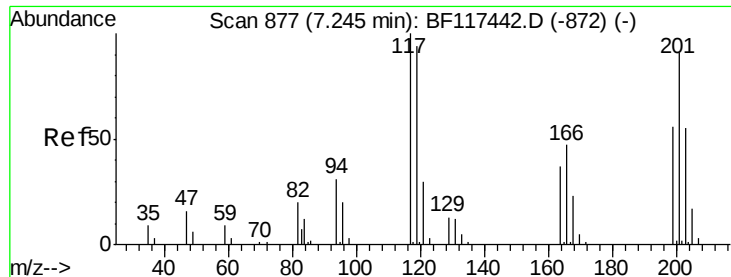
65 37.9 23.4 63.4

66 76.6 54.7 94.7



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

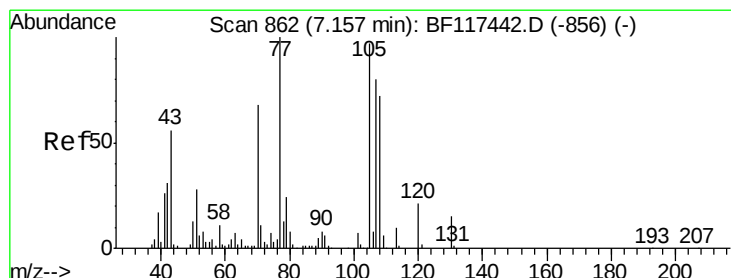
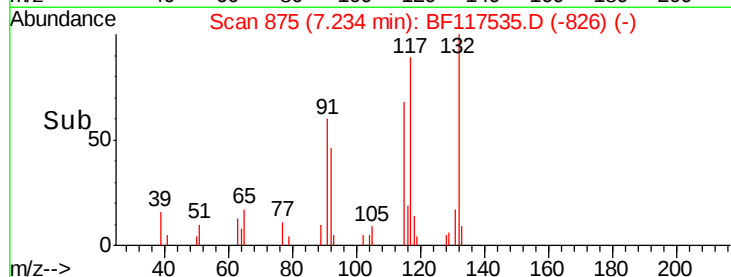
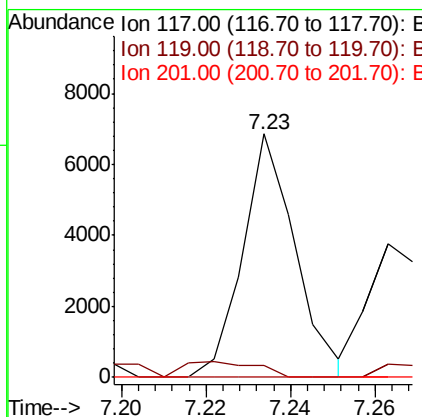
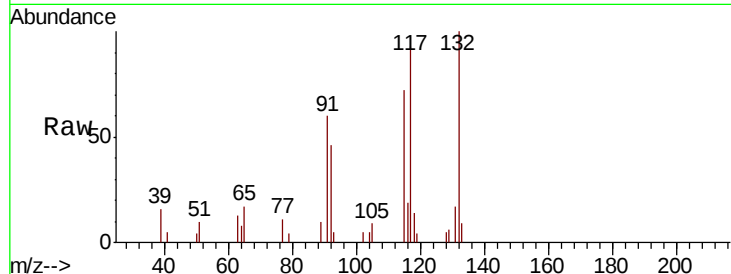




#18
Hexachloroethane
Concen: 4.814 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

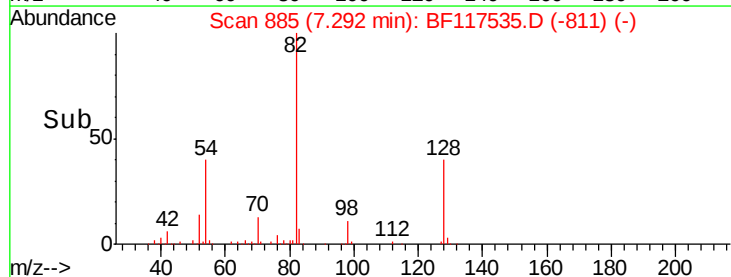
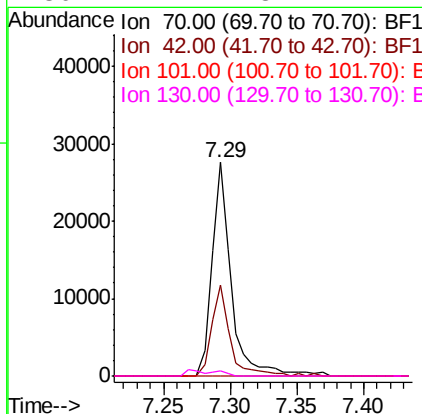
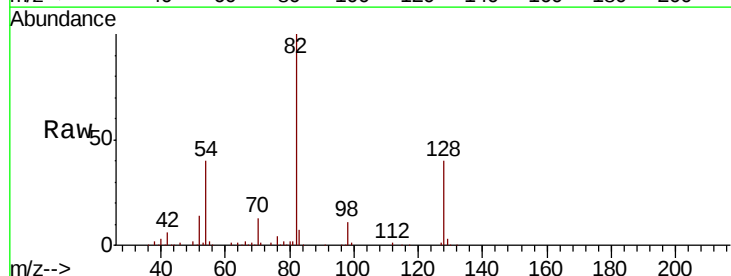
Instrument :
BNA_F
ClientSampleId :
178-02-(0-2.3)

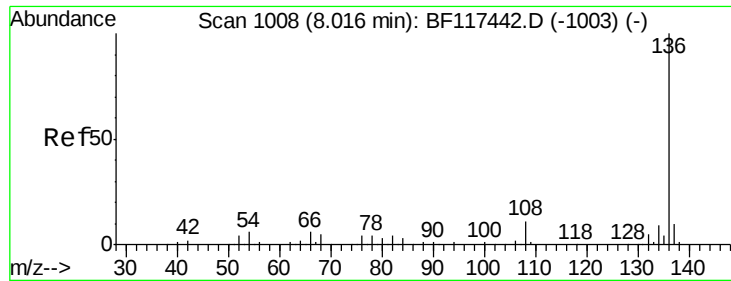
Tot Ion:117 Resp: 5927
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.0#
201 0.0 72.5 108.7#



#19
n-Nitroso-di-n-propylamine
Concen: 12.924 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

Tgt Ion: 70 Resp: 27992
Ion Ratio Lower Upper
70 100
42 42.8 36.7 55.1
101 0.0 8.3 12.5#
130 2.4 18.1 27.1#

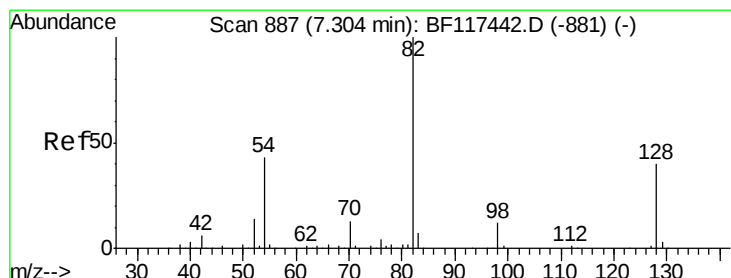
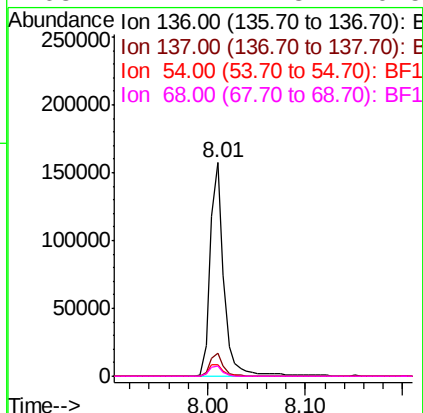
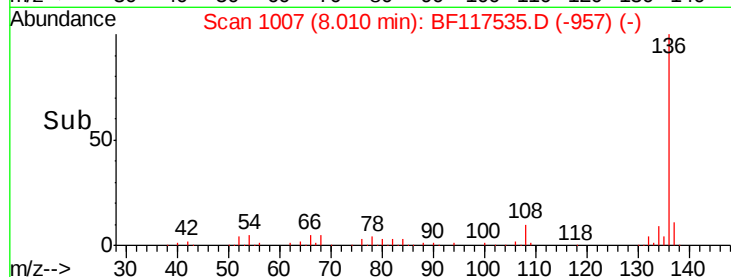
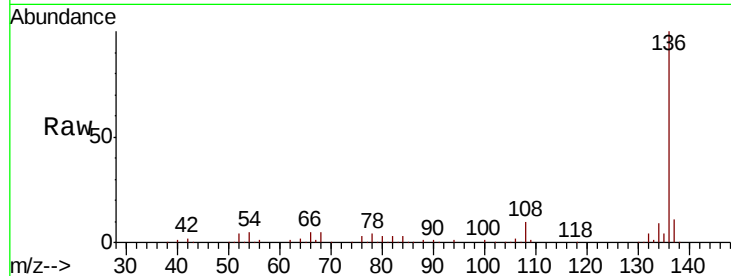




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

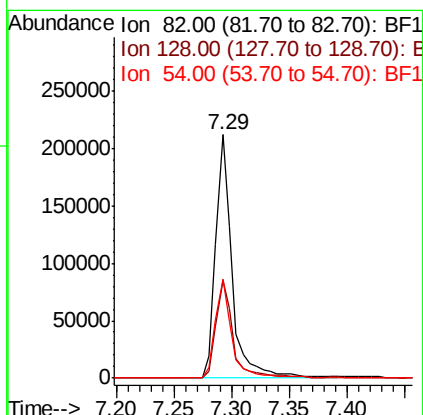
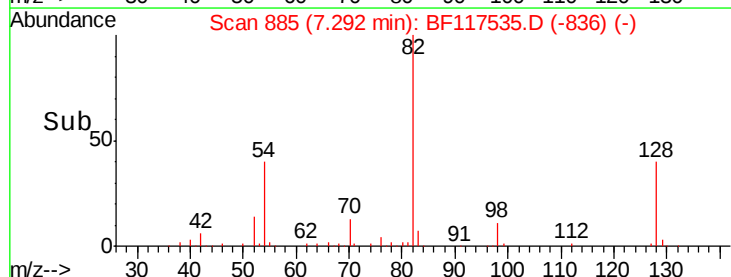
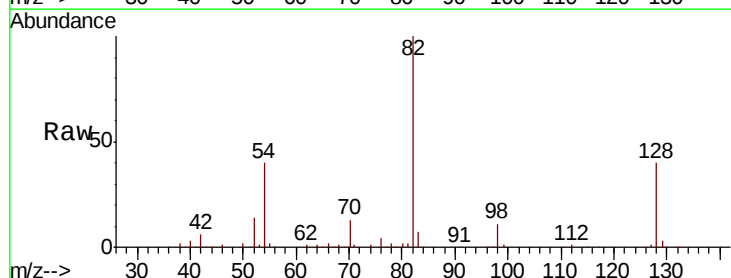
Instrument :
BNA_F
ClientSampleId :
178-02-(0-2.3)

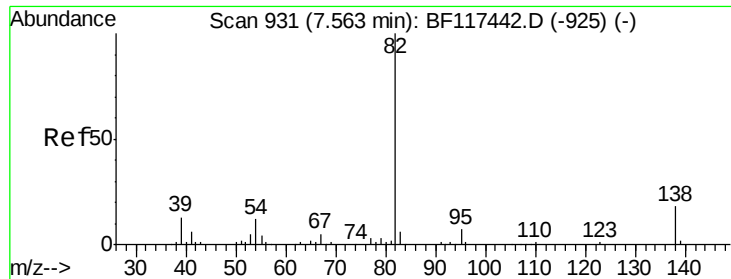
Tot Ion:136	Resp:	153818
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.2 12.4
54	5.4	4.5 6.7
68	4.7	4.3 6.5



#23
Nitrobenzene-d5
Concen: 67.909 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

Tgt Ion: 82	Resp:	211586
Ion	Ratio	Lower Upper
82	100	
128	40.1	32.2 48.2
54	40.5	34.2 51.2





#25

Isophorone

Concen: 39.255 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

Instrument :

BNA_F

ClientSampleId :

178-02-(0-2.3)

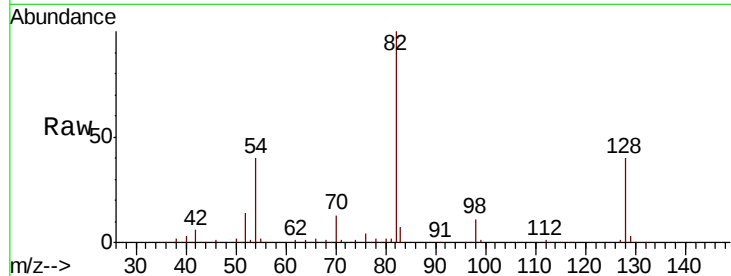
Tot Ion: 82 Resp: 211585

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

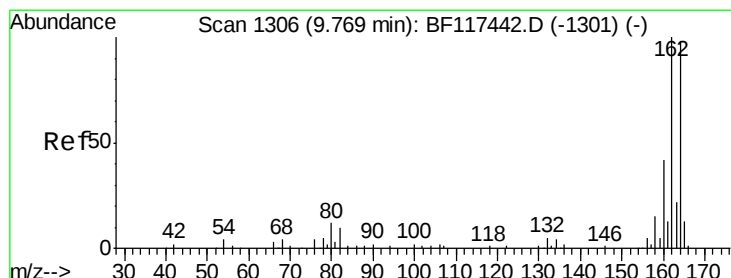
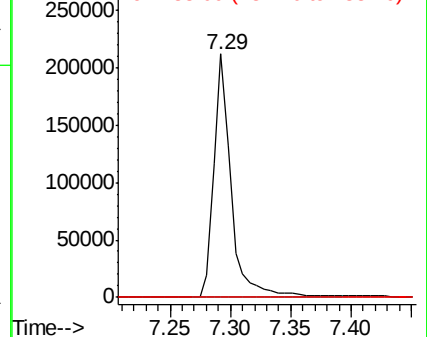
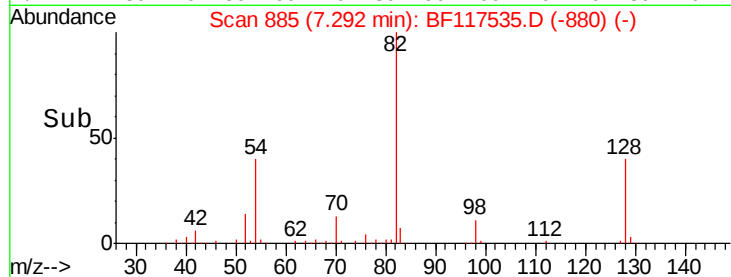
138 0.0 14.2 21.2#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

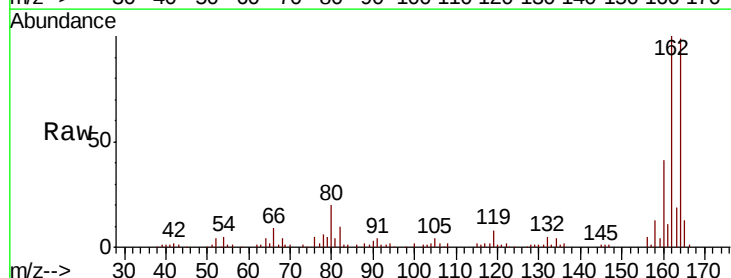
Tgt Ion: 164 Resp: 81800

Ion Ratio Lower Upper

164 100

162 101.2 81.8 122.6

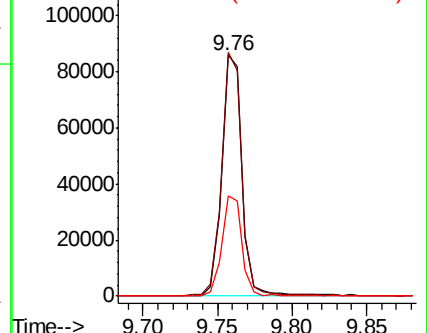
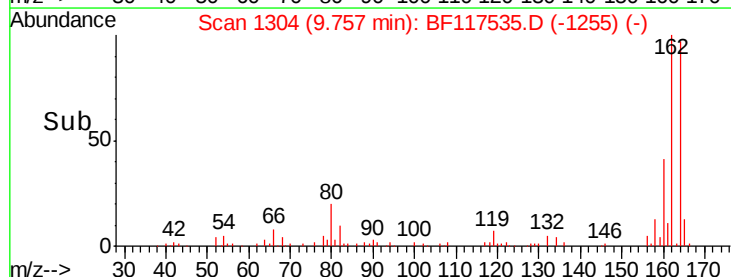
160 41.7 34.4 51.6

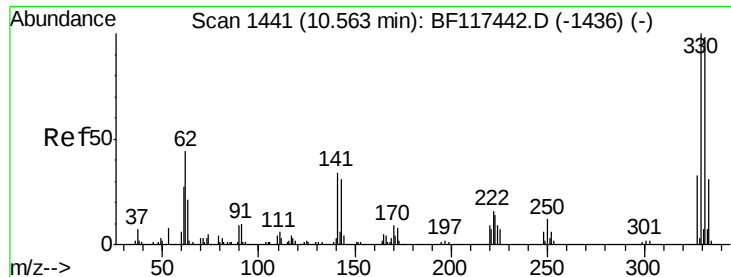


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 95.186 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

Instrument :

BNA_F

ClientSampleId :

178-02-(0-2.3)

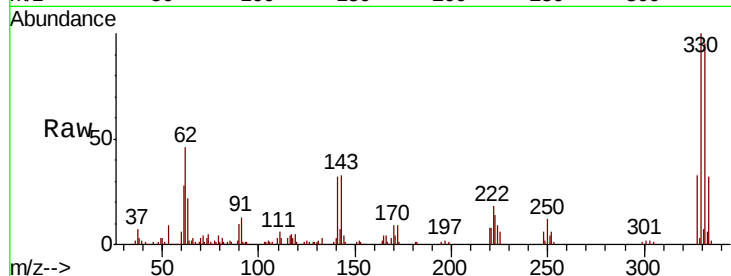
Tot Ion:330 Resp: 67371

Ion Ratio Lower Upper

330 100

332 95.9 78.5 117.7

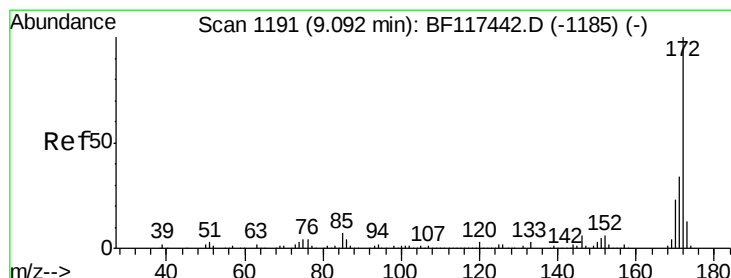
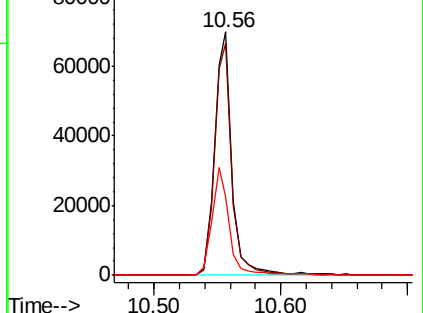
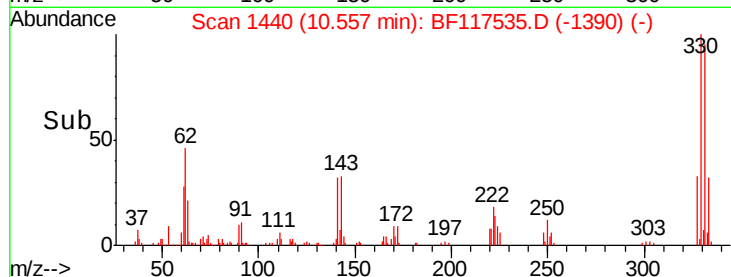
141 43.2 37.0 55.6



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 57.462 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

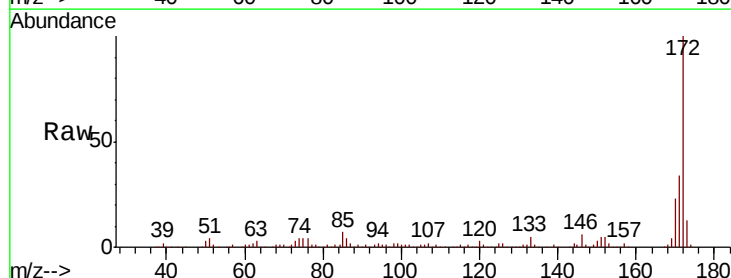
Tgt Ion:172 Resp: 333603

Ion Ratio Lower Upper

172 100

171 33.7 27.5 41.3

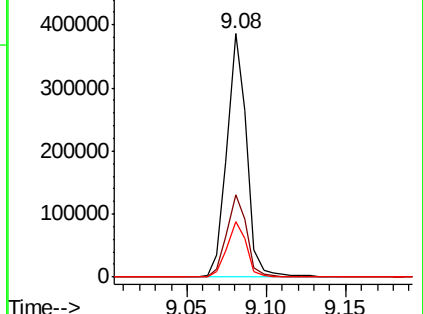
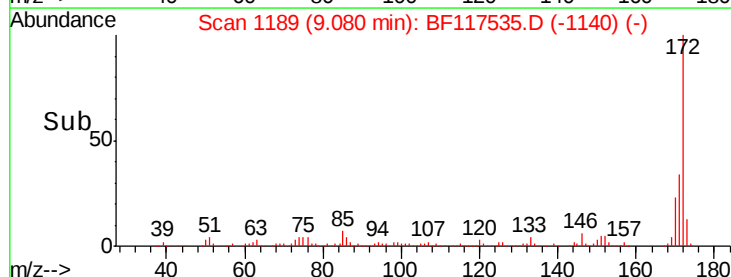
170 22.7 18.6 27.8

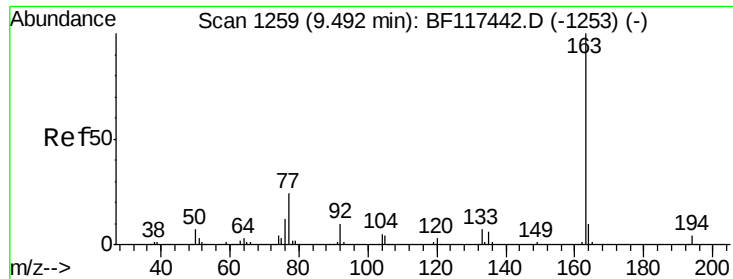


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

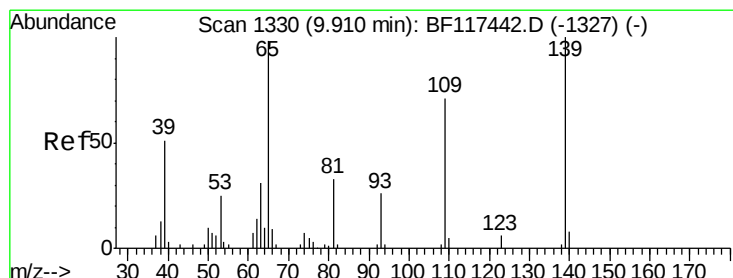
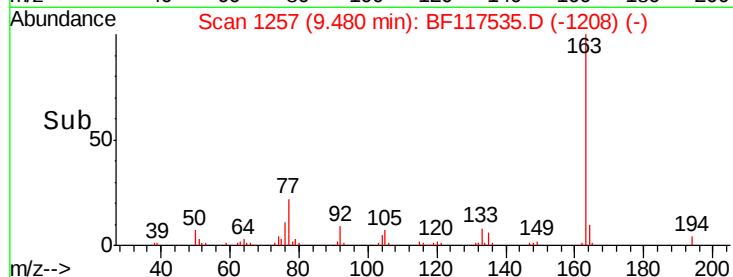
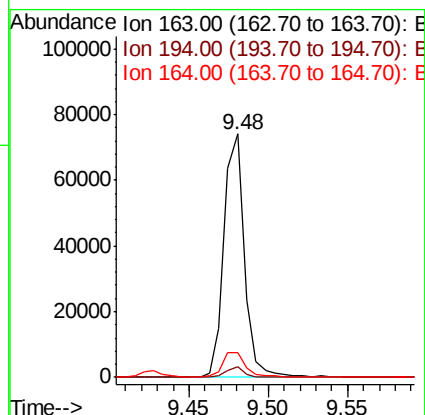
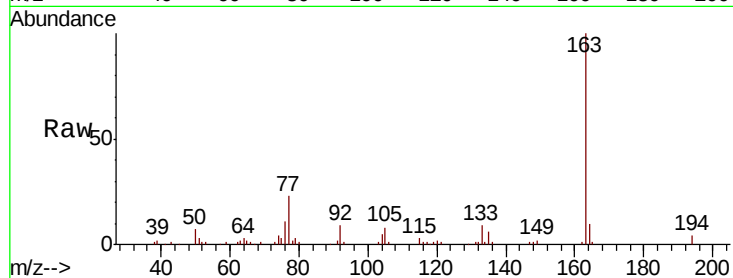




#50
Dimethylphthalate
Concen: 11.392 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

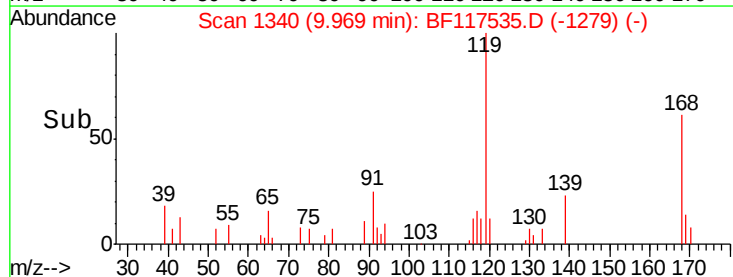
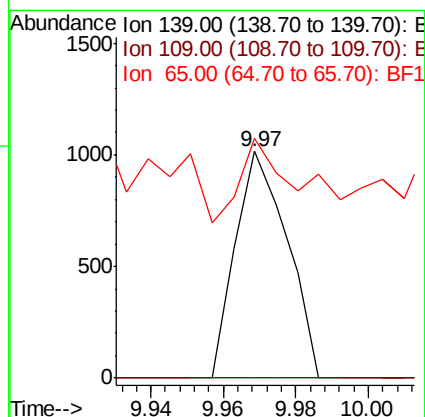
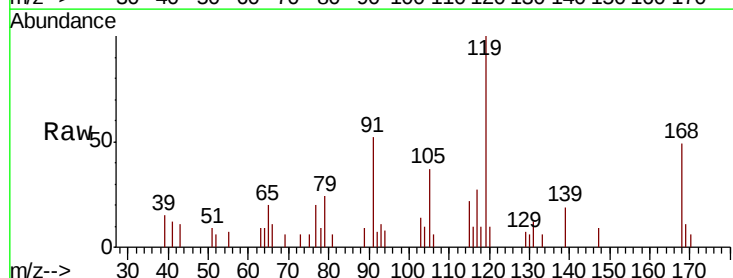
Instrument :
BNA_F
ClientSampleId :
178-02-(0-2.3)

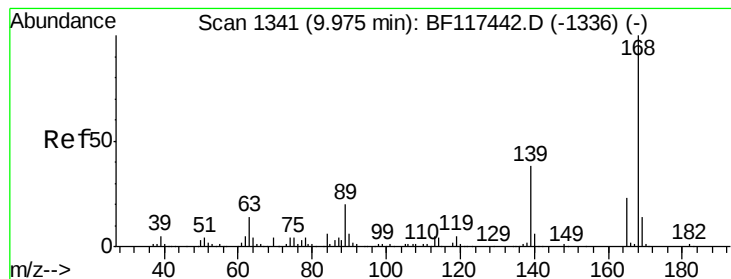
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.9	4.3
164	10.2	8.2	12.2



#56
4-Nitrophenol
Concen: 5.528 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	51.4	91.4#
65	106.1	79.4	119.4





#57

2,4-Dinitrotoluene

Concen: 6.258 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.22 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

Instrument :

BNA_F

ClientSampleId :

178-02-(0-2.3)

Tot Ion:165 Resp: 10125

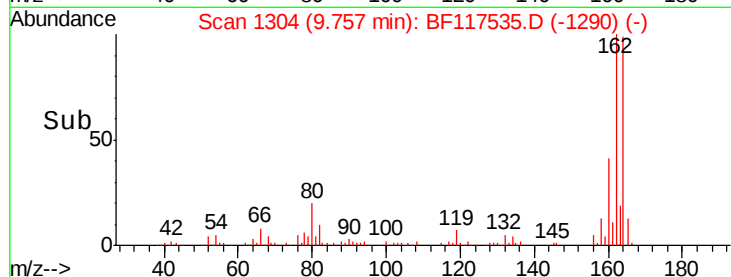
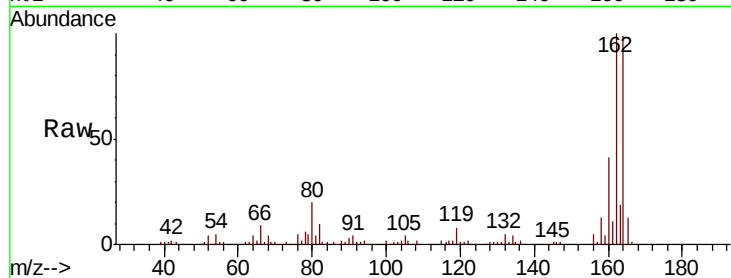
Ion Ratio Lower Upper

165 100

63 5.9 51.4 77.0#

89 4.6 69.9 104.9#

182 0.0 1.9 2.9#

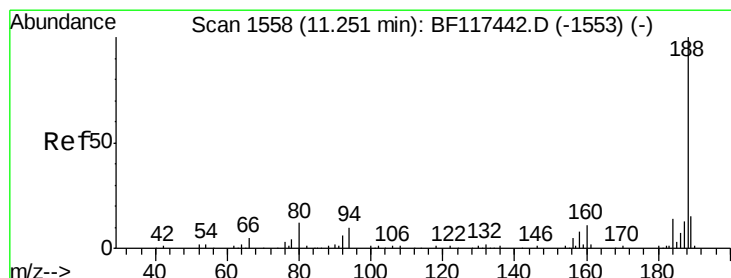
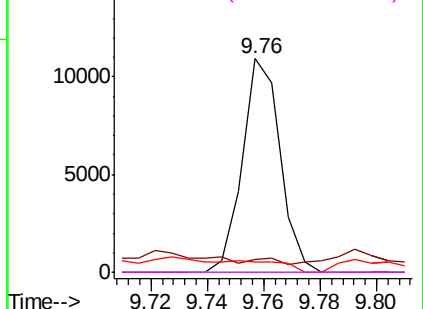


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

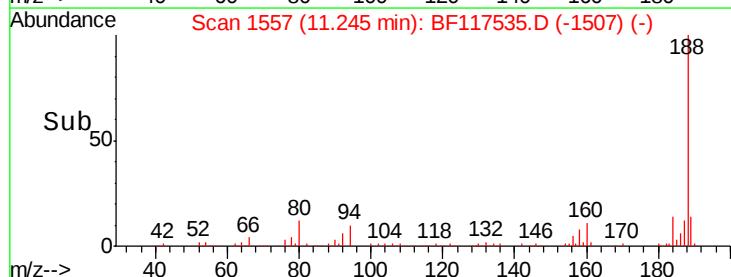
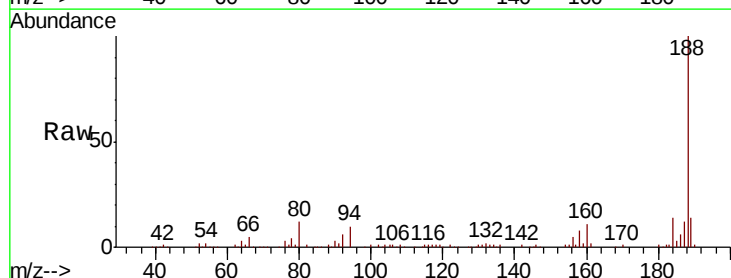
Tgt Ion:188 Resp: 127859

Ion Ratio Lower Upper

188 100

94 10.2 8.0 12.0

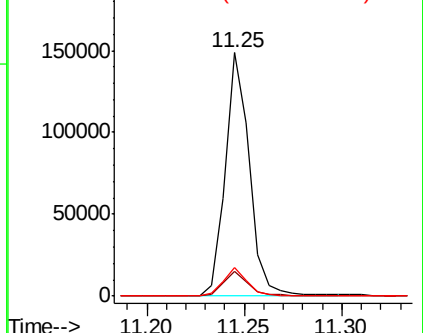
80 11.8 9.5 14.3

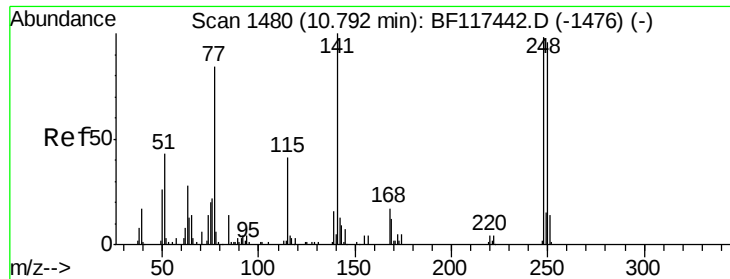


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#67

4-Bromophenyl-phenylether

Concen: 3.032 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

Instrument :

BNA_F

ClientSampleId :

178-02-(0-2.3)

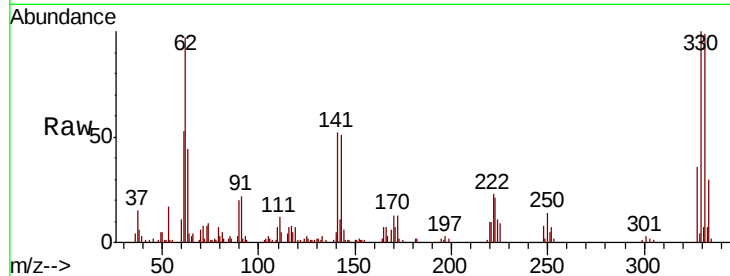
Tot Ion:248 Resp: 4176

Ion Ratio Lower Upper

248 100

250 186.9 78.0 117.0#

141 669.2 81.7 122.5#

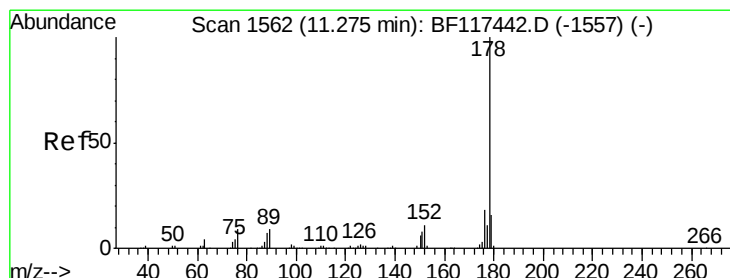
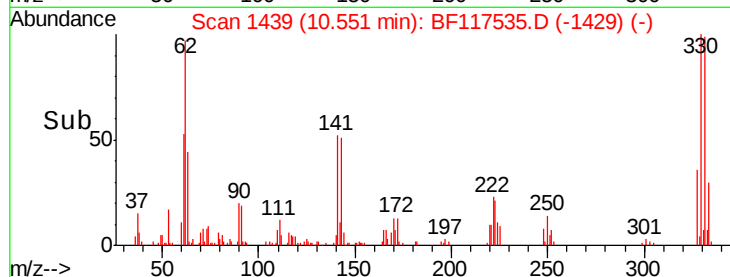
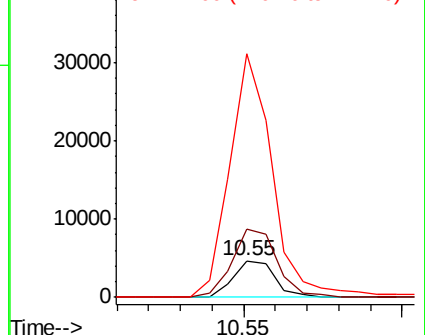


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71

Phenanthrene

Concen: 7.852 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

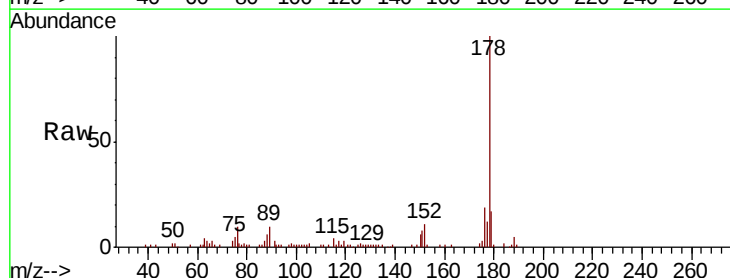
Tgt Ion:178 Resp: 58294

Ion Ratio Lower Upper

178 100

176 19.1 14.6 22.0

179 17.0 12.6 19.0

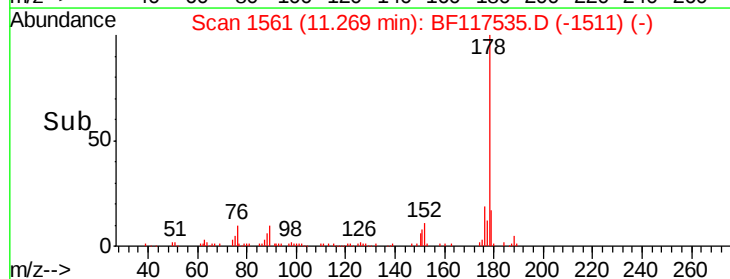
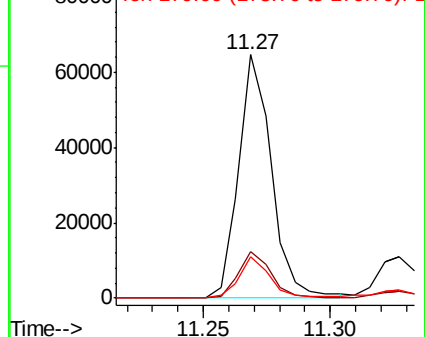


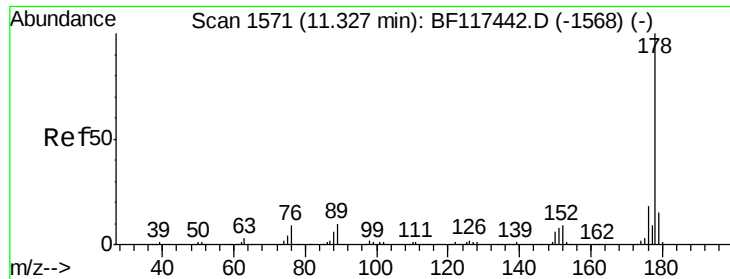
Abundance

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

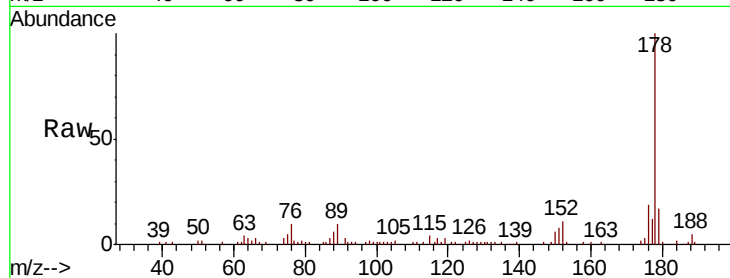




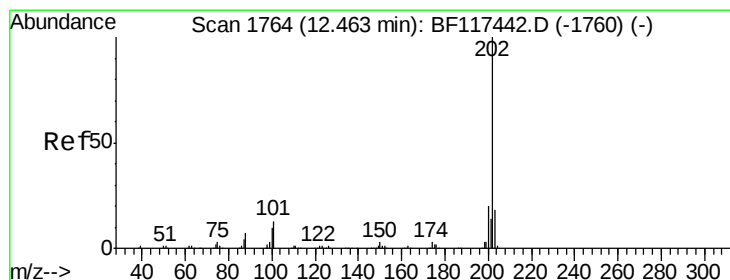
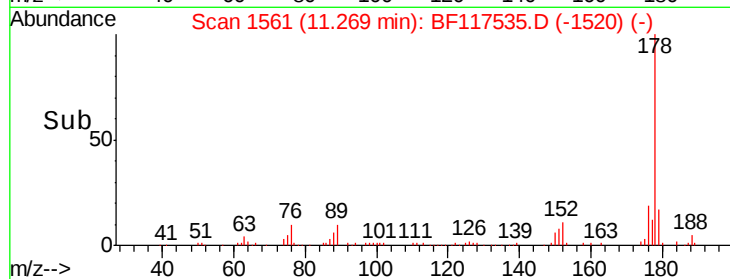
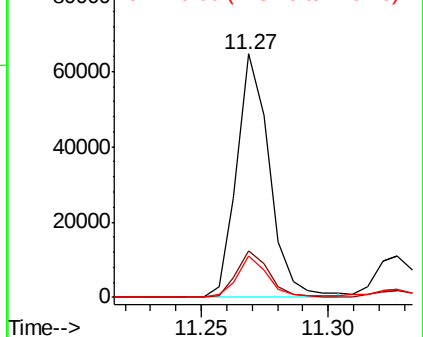
#72
 Anthracene
 Concen: 7.652 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.06 min
 Lab File: BF117535.D
 Acq: 25 Oct 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 178-02-(0-2.3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	17.0	12.2	18.2

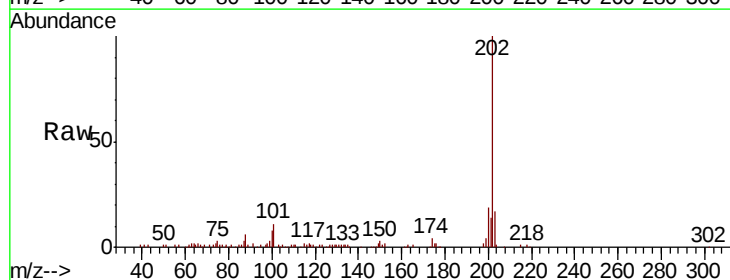


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

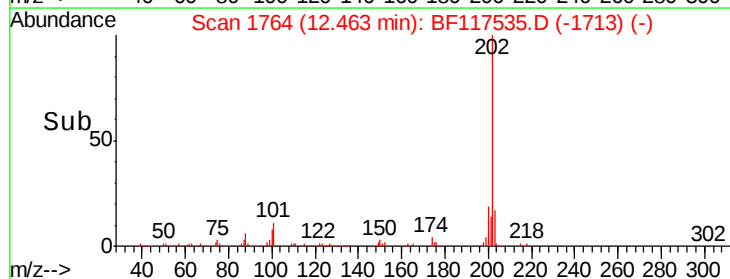
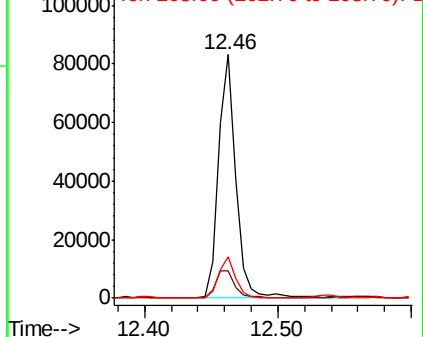


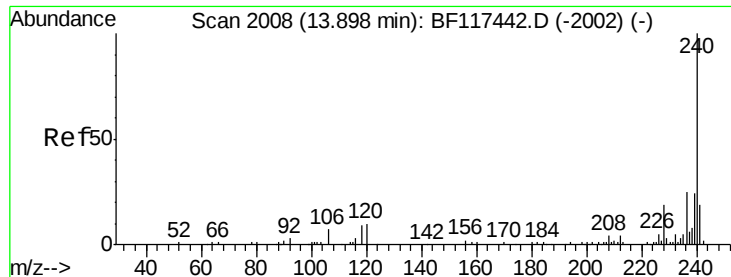
#75
 Fluoranthene
 Concen: 10.380 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117535.D
 Acq: 25 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.7
203	16.8	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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

Instrument :

BNA_F

ClientSampleId :

178-02-(0-2.3)

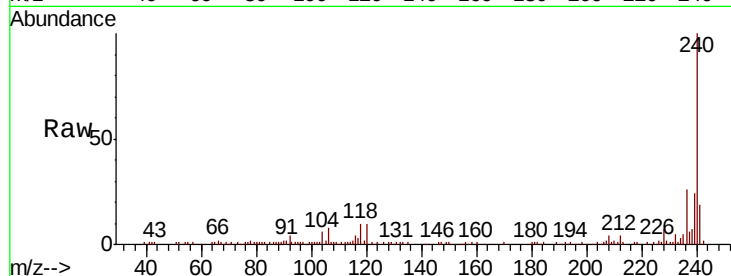
Tot Ion:240 Resp: 76418

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

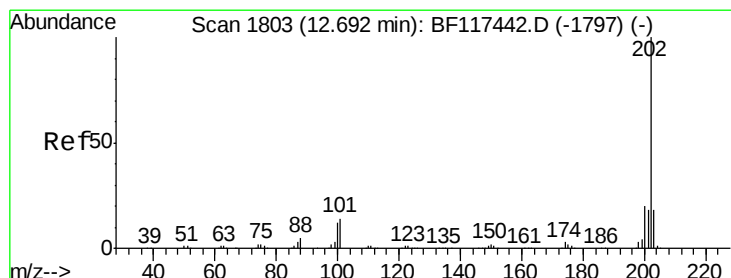
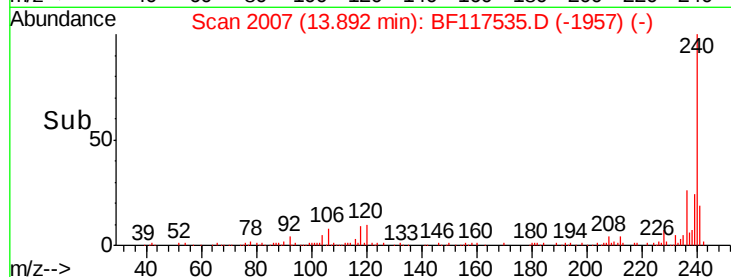
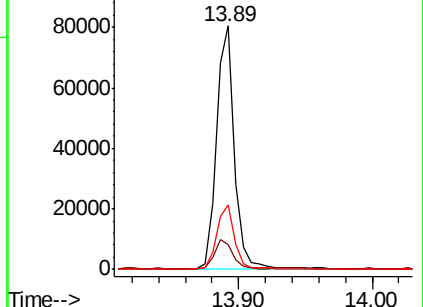
236 26.3 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 9.897 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

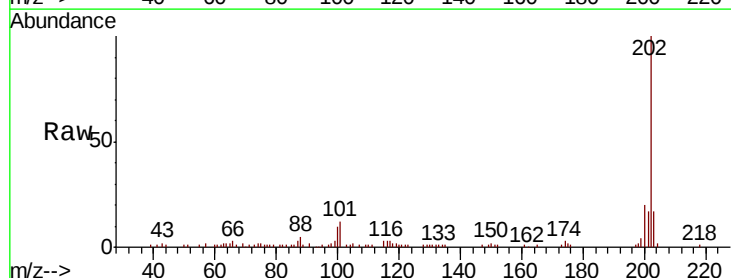
Tgt Ion:202 Resp: 64964

Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

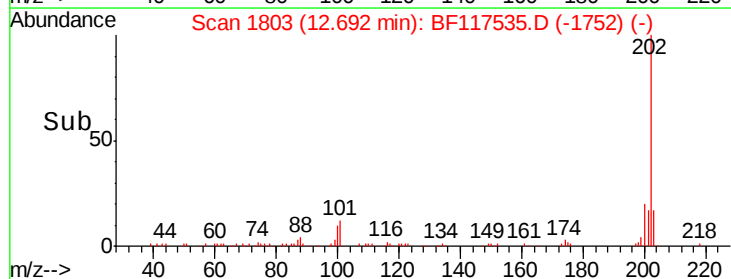
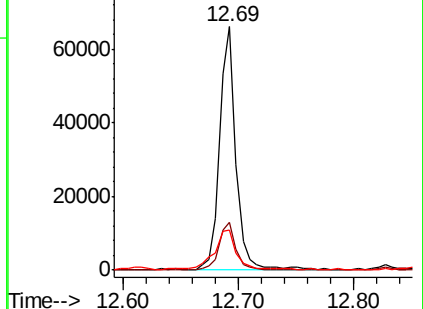
203 16.6 14.0 21.0

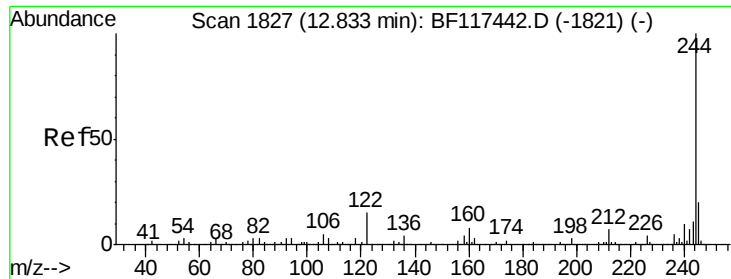


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

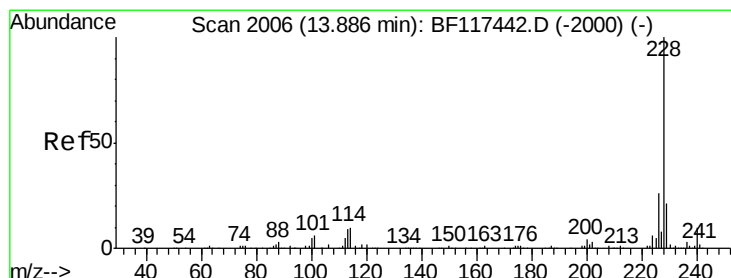
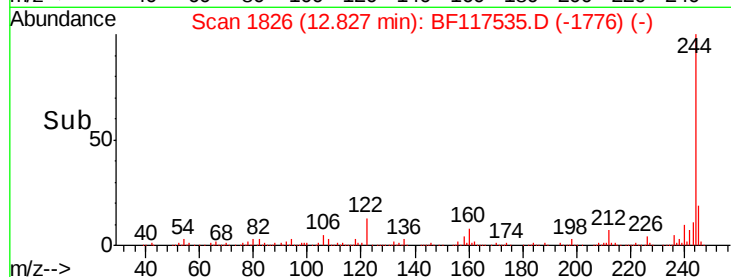
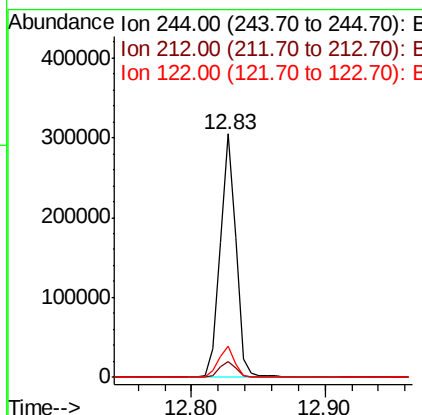
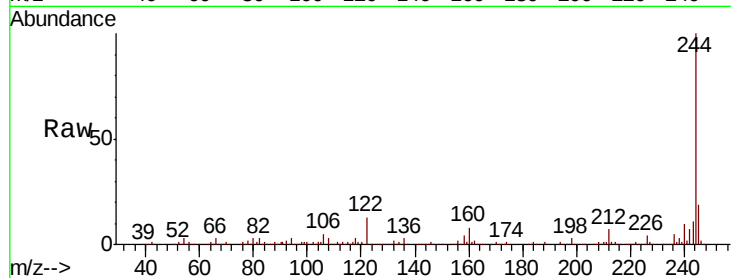




#79
 Terphenyl-d14
 Concen: 54.750 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117535.D
 Acq: 25 Oct 2019 14:52

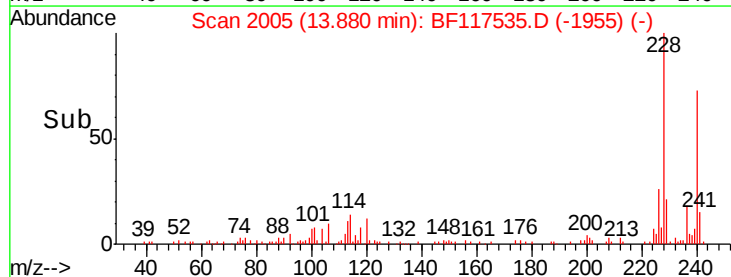
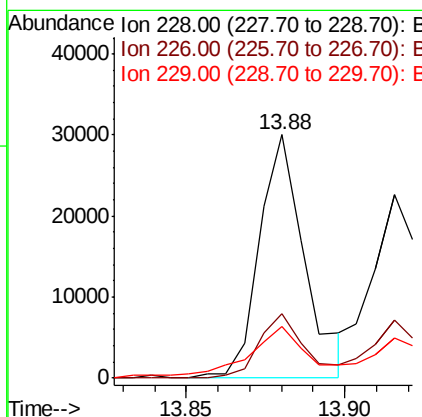
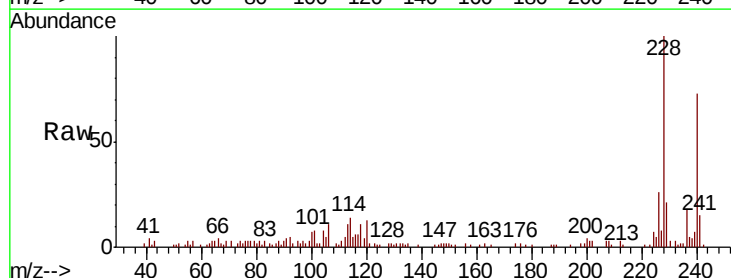
Instrument :
 BNA_F
 ClientSampleId :
 178-02-(0-2.3)

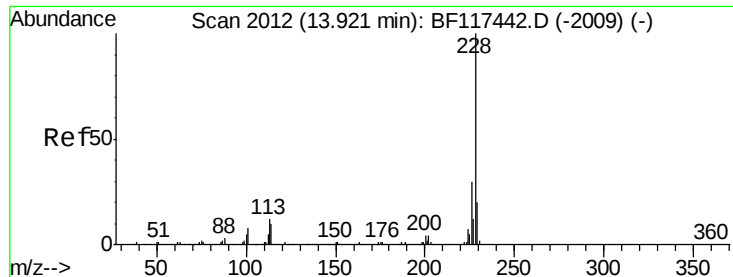
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	12.6	11.8	17.8



#81
 Benzo(a)anthracene
 Concen: 5.791 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117535.D
 Acq: 25 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.0	31.4
229	21.3	16.4	24.6

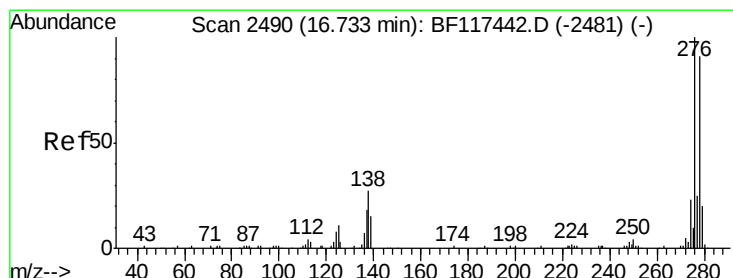
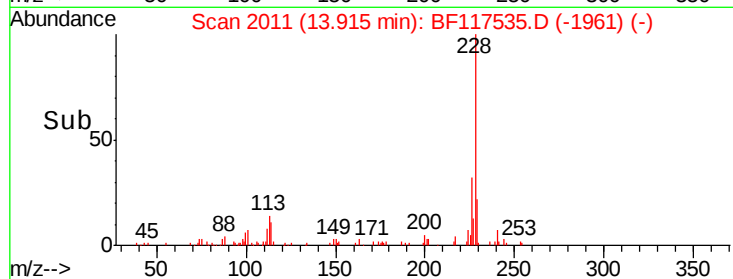
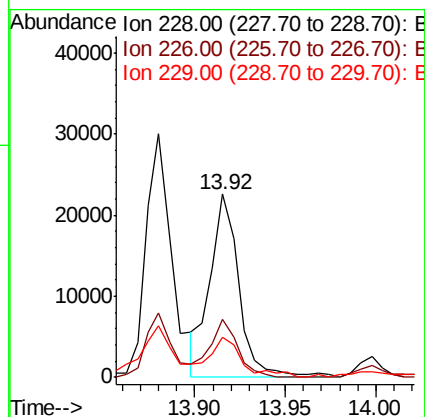
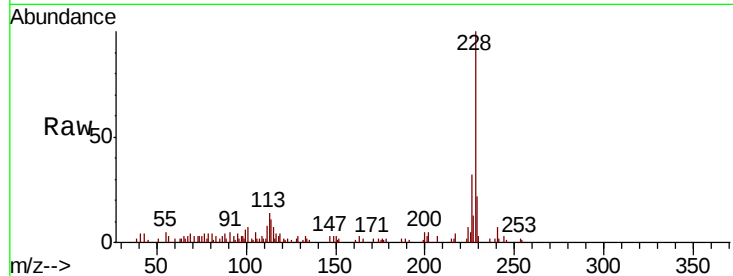




#83
Chrysene
Concen: 4.993 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

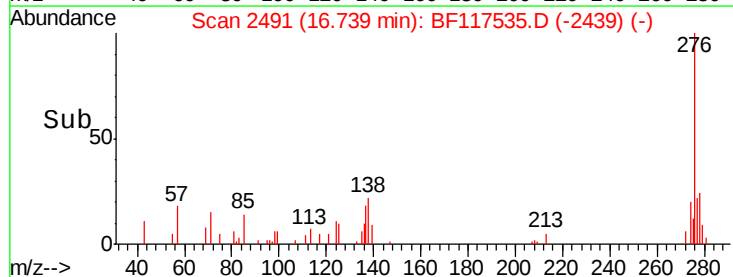
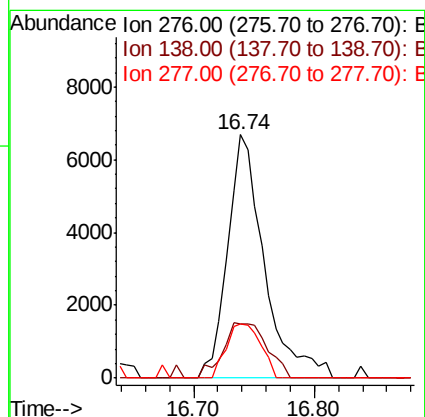
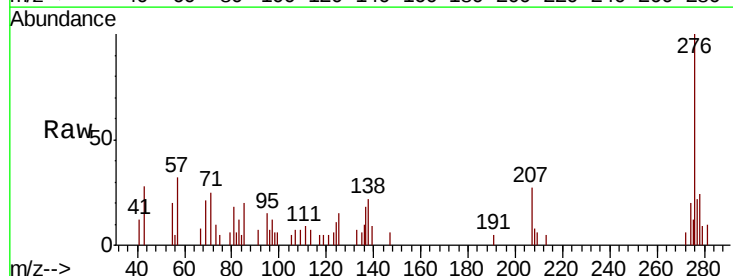
Instrument :
BNA_F
ClientSampleId :
178-02-(0-2.3)

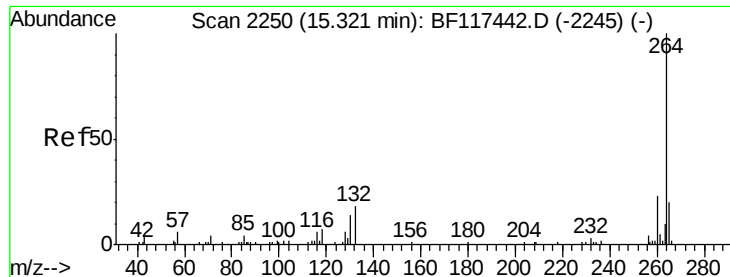
Tot Ion:228 Resp: 25224
Ion Ratio Lower Upper
228 100
226 31.6 23.9 35.9
229 21.7 15.8 23.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.749 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

Tgt Ion:276 Resp: 14141
Ion Ratio Lower Upper
276 100
138 26.9 21.8 32.8
277 20.7 20.0 30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.00 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

Instrument :

BNA_F

ClientSampleId :

178-02-(0-2.3)

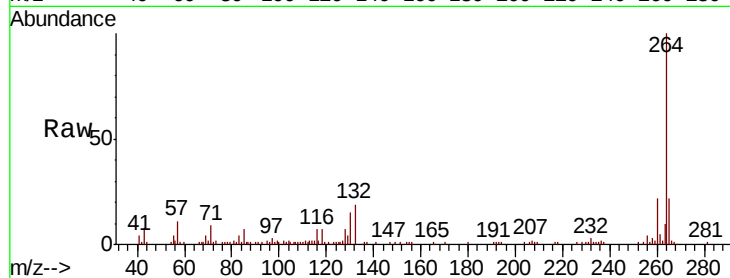
Tot Ion:264 Resp: 79176

Ion Ratio Lower Upper

264 100

260 22.3 18.4 27.6

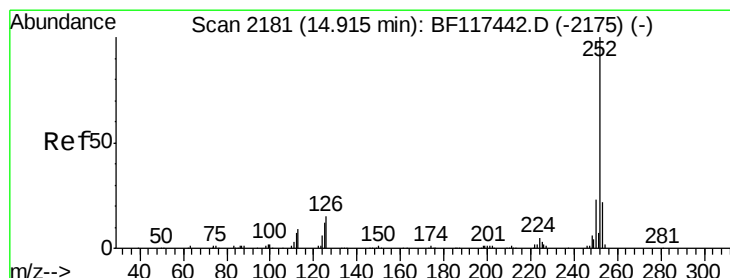
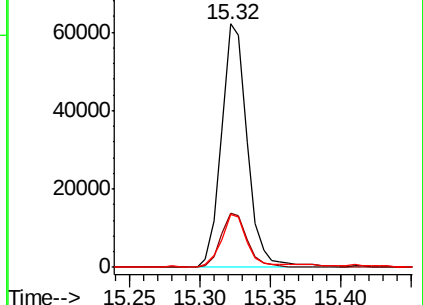
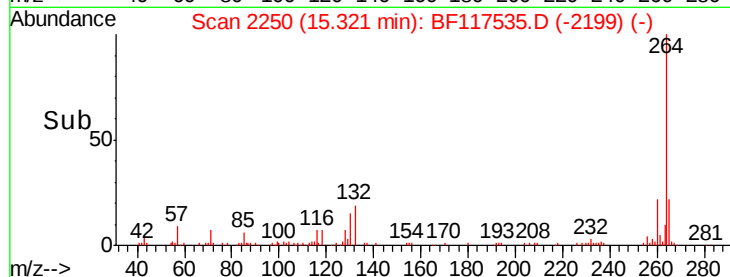
265 22.0 16.1 24.1



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: 8.394 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

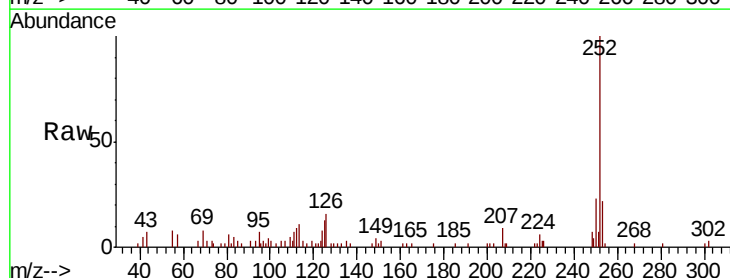
Tgt Ion:252 Resp: 39245

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

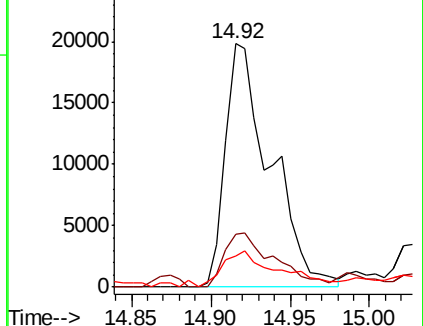
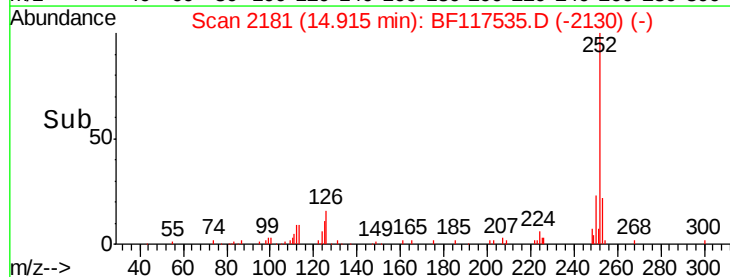
125 12.9 9.9 14.9

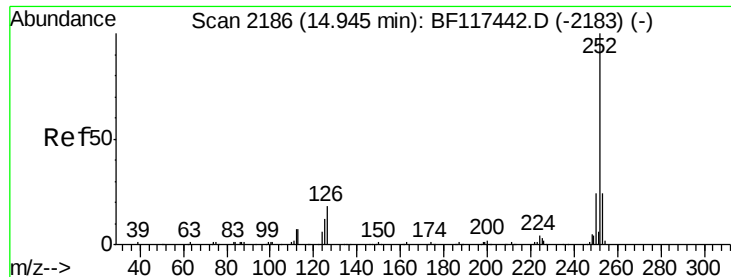


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

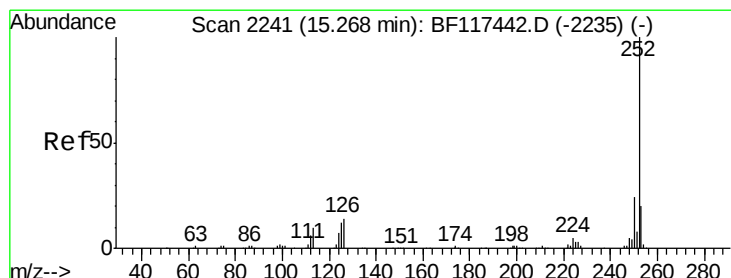
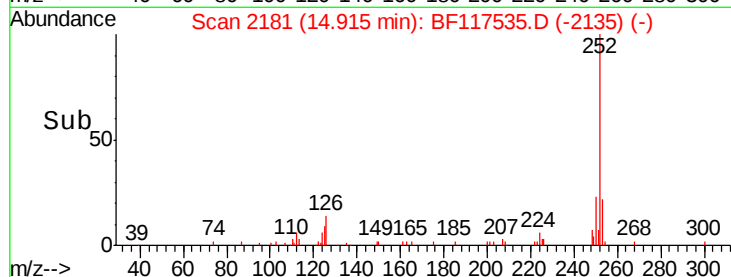
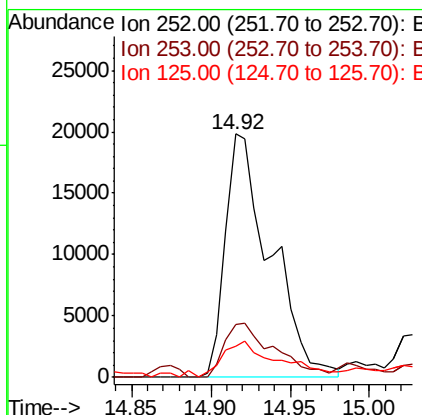
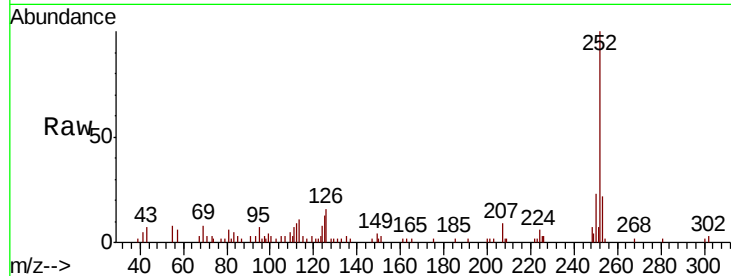




#89
Benzo(k)fluoranthene
Concen: 8.190 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.03 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

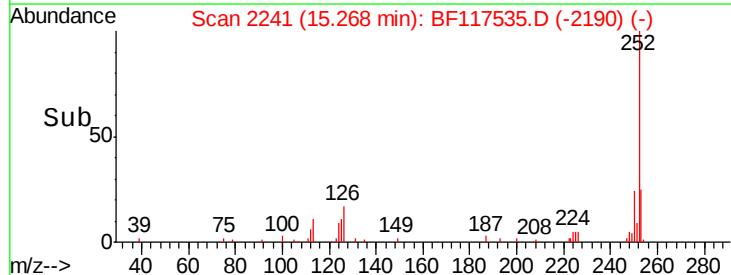
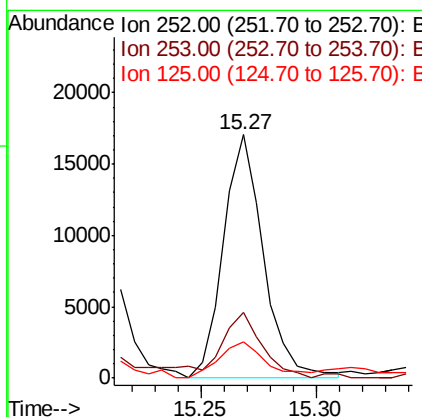
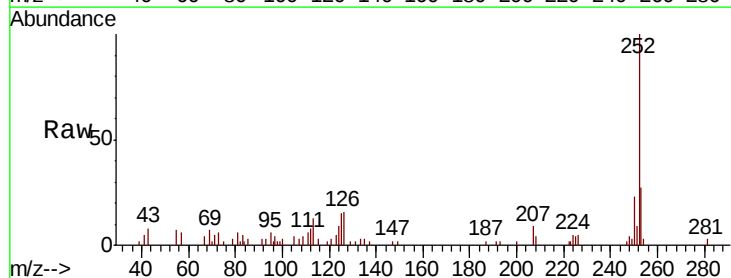
Instrument :
BNA_F
ClientSampleId :
178-02-(0-2.3)

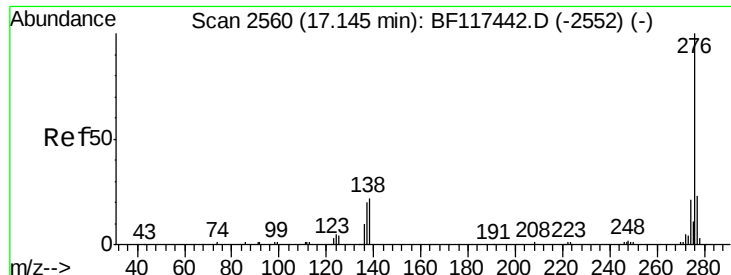
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	12.9	8.9	13.3



#90
Benzo(a)pyrene
Concen: 4.839 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117535.D
Acq: 25 Oct 2019 14:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	16.3	24.5#
125	14.8	9.2	13.8#





#92

Benzo(a,h,i)perylene

Concen: 3.874 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.02 min

Lab File: BF117535.D

Acq: 25 Oct 2019 14:52

Instrument :

BNA_F

ClientSampleId :

178-02-(0-2.3)

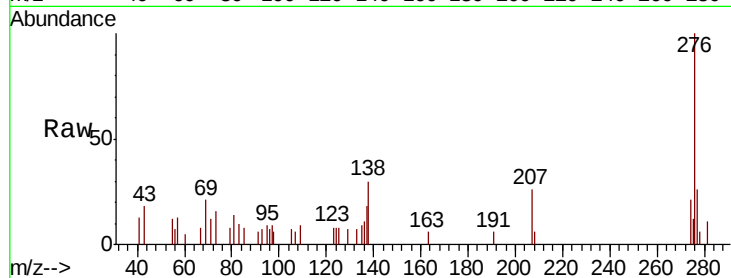
Tot Ion:276 Resp: 13474

Ion Ratio Lower Upper

276 100

277 26.0 18.4 27.6

138 30.3 17.8 26.6#



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

