

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118351.D
 Acq On : 27 Dec 2019 21:30
 Operator : JU
 Sample : K6117-10 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 00:02:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	149182	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	579144	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	284885	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	473855	20.00	ng	0.00
76) Chrysene-d12	14.05	240	374621	20.00	ng	0.00
87) Perylene-d12	15.54	264	350100	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	397170	45.45	ng	0.00
7) Phenol-d6	6.49	99	520799	48.04	ng	0.00
23) Nitrobenzene-d5	7.42	82	300297	29.66	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	141929	40.34	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	631660	33.85	ng	0.00
79) Terphenyl-d14	12.99	244	649669	28.77	ng	0.00

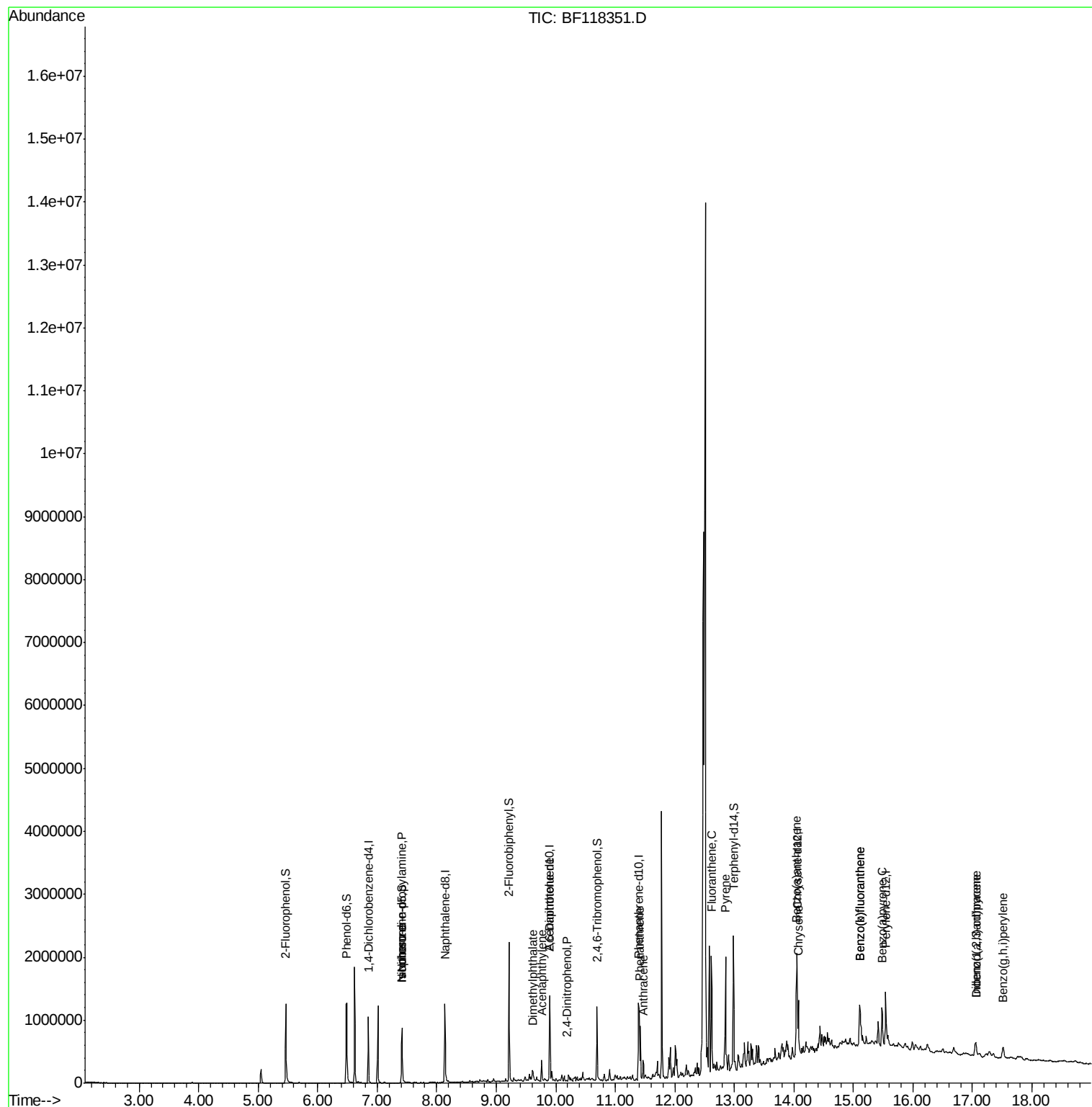
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.42	70	40546	6.071	ng	# 74
25) Isophorone	7.42	82	300295	17.017	ng	# 62
49) Acenaphthylene	9.76	152	131105	4.874	ng	99
50) Dimethylphthalate	9.61	163	43866	2.051	ng	99
51) 2,6-Dinitrotoluene	9.90	165	37745	8.187	ng	# 26
54) 2,4-Dinitrophenol	10.19	184	117	5.231	ng	# 18
71) Phenanthrene	11.42	178	333896	12.926	ng	99
72) Anthracene	11.47	178	117880	4.559	ng	99
75) Fluoranthene	12.62	202	645491	24.760	ng	98
78) Pyrene	12.85	202	730181	23.868	ng	99
81) Benzo(a)anthracene	14.04	228	370485	14.129	ng	98
83) Chrysene	14.08	228	360325	14.351	ng	98
86) Indeno(1,2,3-cd)pyrene	17.06	276	140419	6.563	ng	95
88) Benzo(b)fluoranthene	15.11	252	488134	21.004	ng	# 94
89) Benzo(k)fluoranthene	15.11	252	488134	21.876	ng	# 95
90) Benzo(a)pyrene	15.48	252	276732	13.517	ng	97
91) Dibenzo(a,h)anthracene	17.06	278	41220	2.320	ng	# 70
92) Benzo(g,h,i)perylene	17.52	276	144355	8.412	ng	99

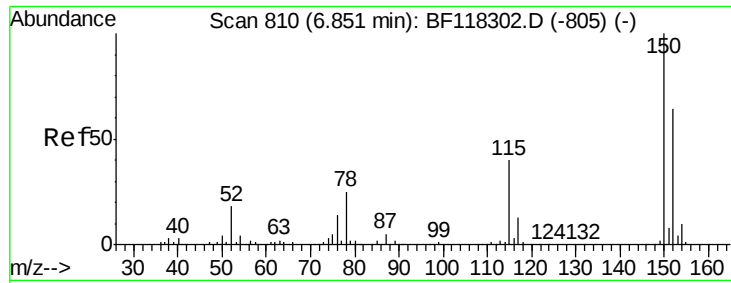
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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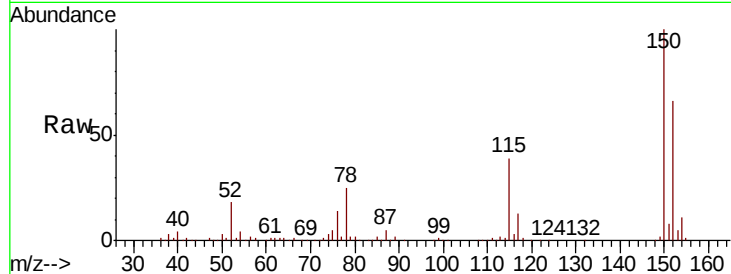


#1

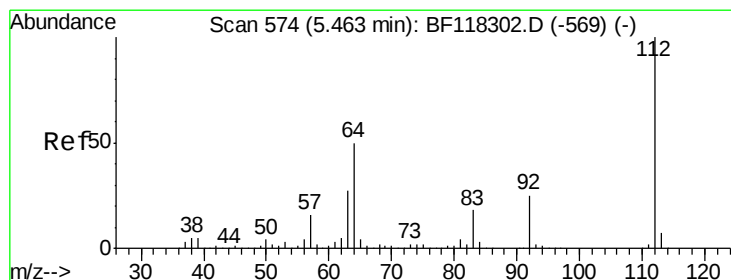
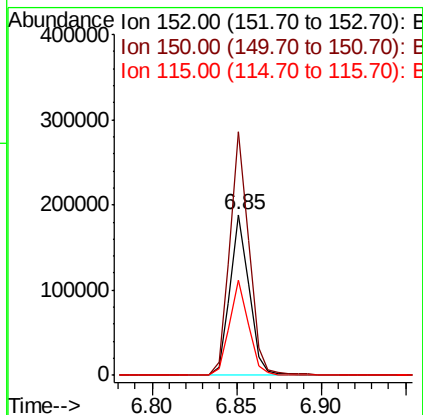
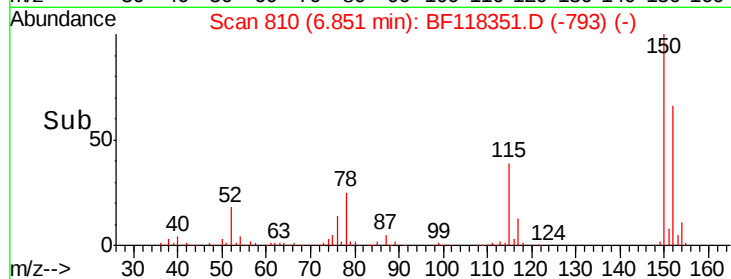
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF118351.D
 Acq: 27 Dec 2019 21:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 149182
 Ion Ratio Lower Upper
 152 100
 150 151.5 125.4 188.2
 115 59.3 50.2 75.4



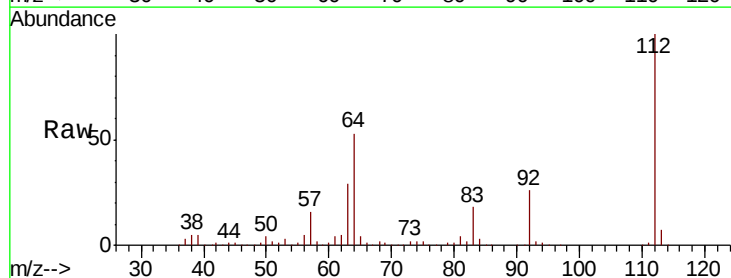
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



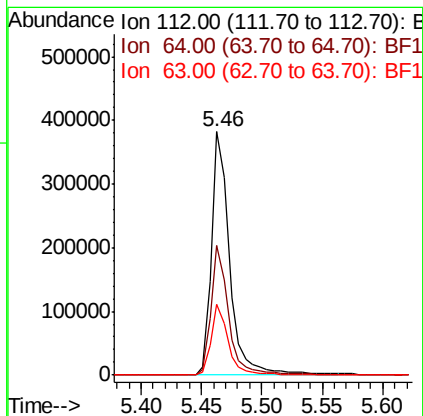
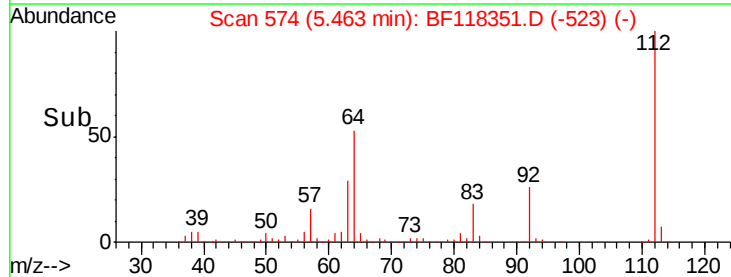
#5

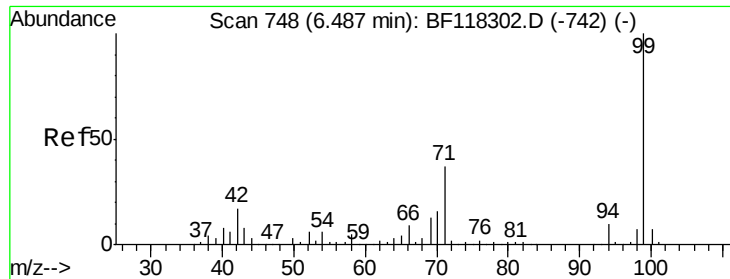
2-Fluorophenol
 Concen: 45.445 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF118351.D
 Acq: 27 Dec 2019 21:30

Tgt Ion:112 Resp: 397170
 Ion Ratio Lower Upper
 112 100
 64 53.1 39.7 59.5
 63 29.2 21.7 32.5



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: 48.037 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Instrument :

BNA_F

ClientSampleId :

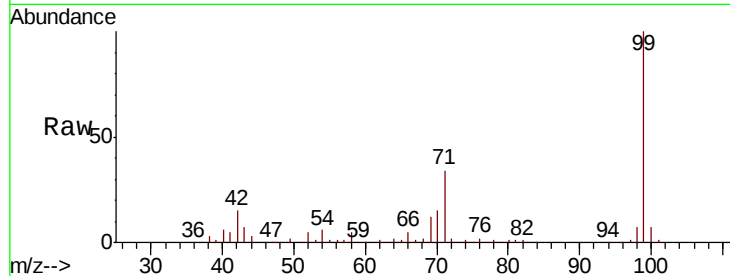
Tot Ion: 99 Resp: 520799

Ion Ratio Lower Upper

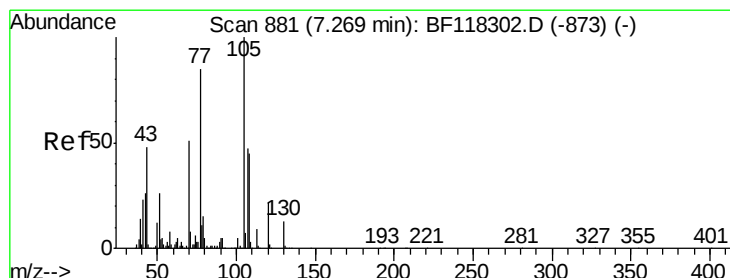
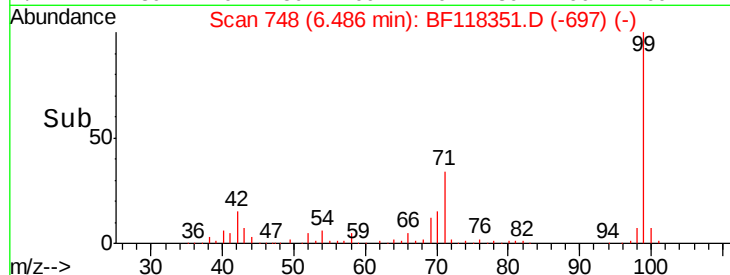
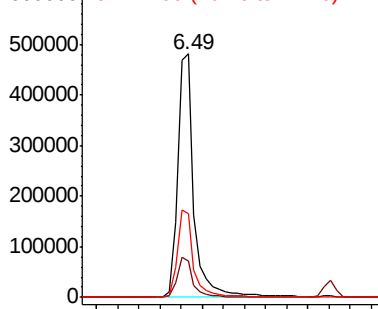
99 100

42 14.9 13.5 20.3

71 34.3 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.071 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Tgt Ion: 70 Resp: 40546

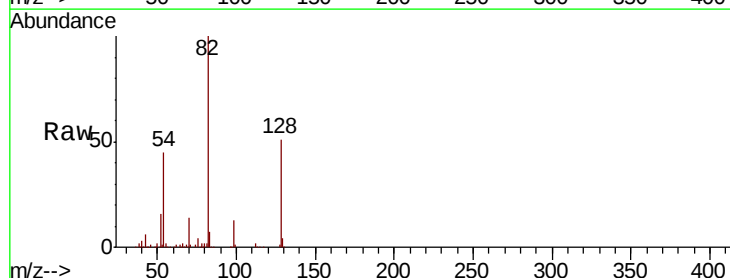
Ion Ratio Lower Upper

70 100

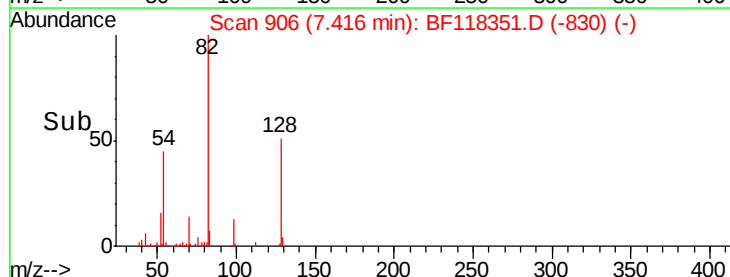
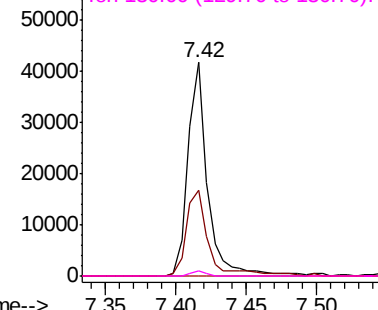
42 40.2 41.1 61.7#

101 0.0 8.3 12.5#

130 2.1 20.1 30.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

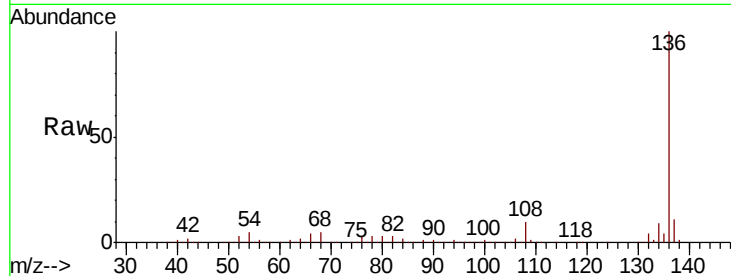




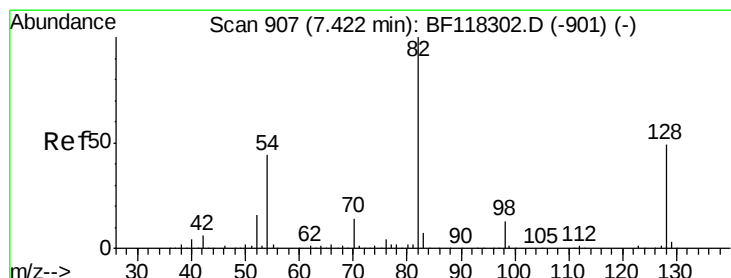
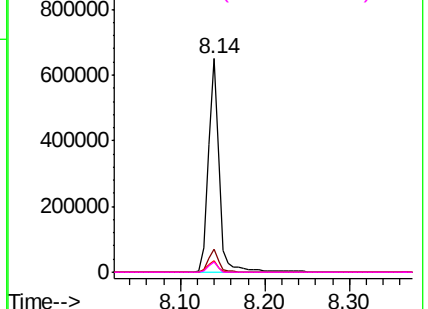
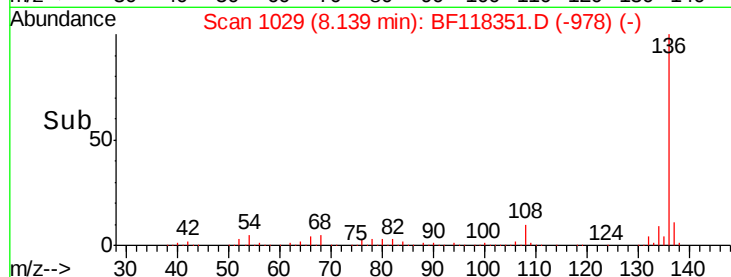
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	579144
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.9	13.3
54 5.4	4.2	6.4
68 4.6	3.5	5.3

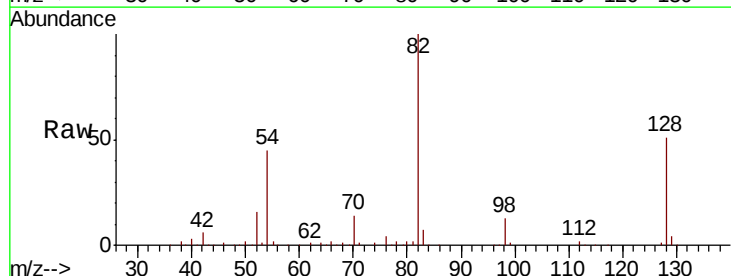


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

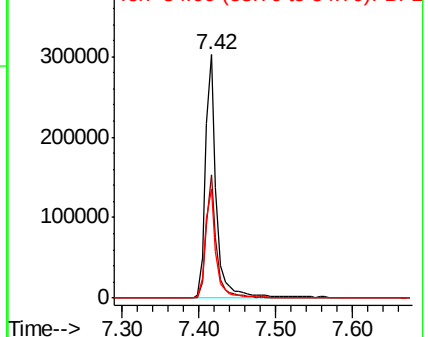
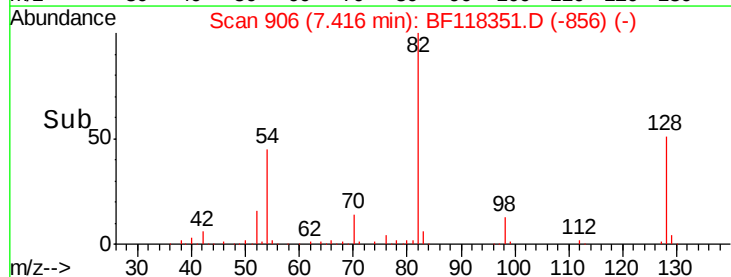


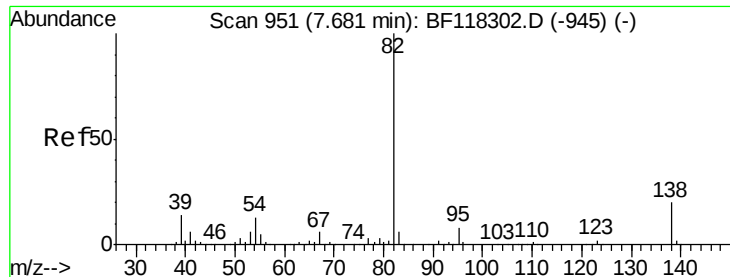
#23
Nitrobenzene-d5
Concen: 29.657 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion: 82	Resp: 300297
Ion Ratio	Lower Upper
82 100	
128 50.5	39.6 59.4
54 44.9	34.9 52.3



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





#25

Isophorone

Concen: 17.017 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Instrument :

BNA_F

ClientSampleId :

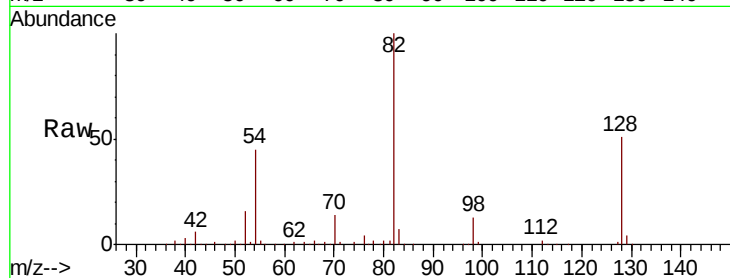
Tot Ion: 82 Resp: 300295

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

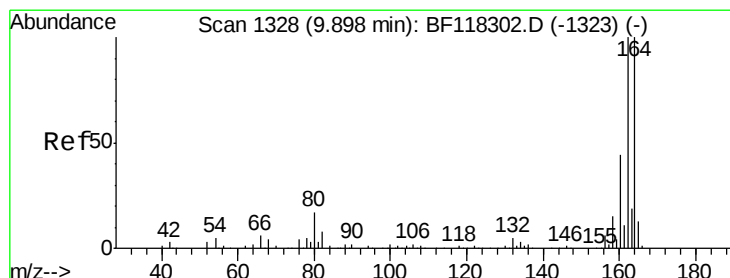
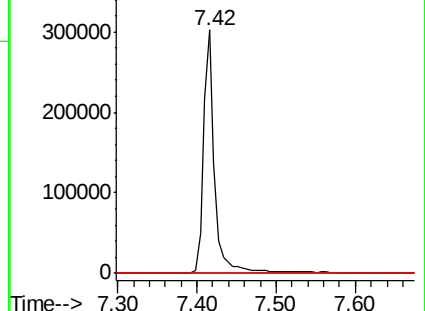
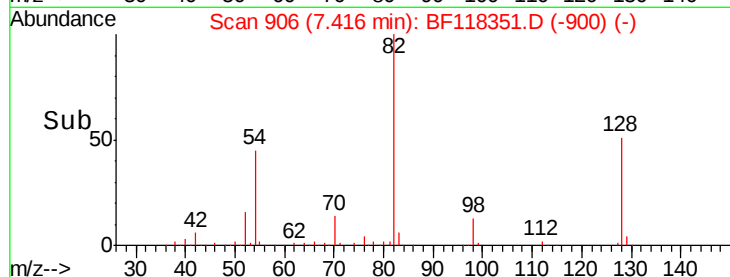
138 0.0 16.2 24.2#



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: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

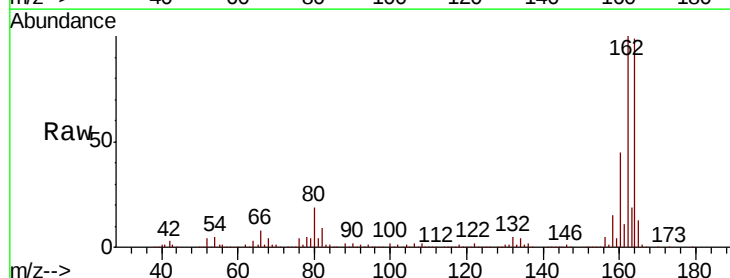
Tgt Ion: 164 Resp: 284885

Ion Ratio Lower Upper

164 100

162 101.5 80.0 120.0

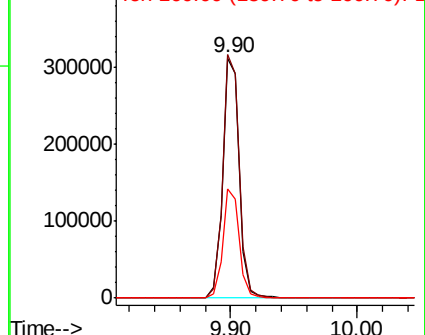
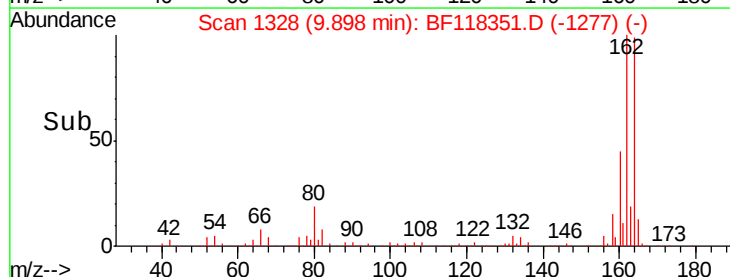
160 45.8 34.8 52.2

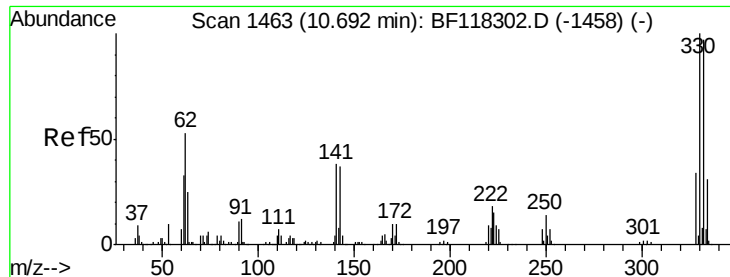


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

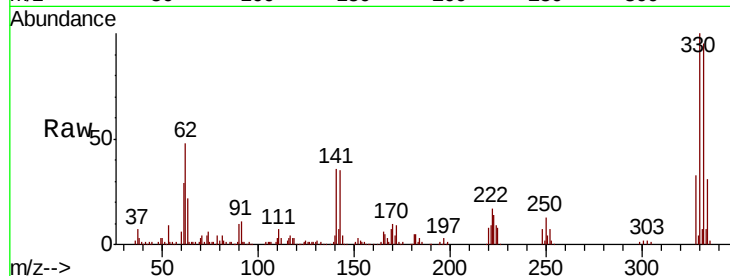




#42
 2,4,6-Tribromophenol
 Concen: 40.342 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF118351.D
 Acq: 27 Dec 2019 21:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	114.8
141	34.0	26.0	39.0

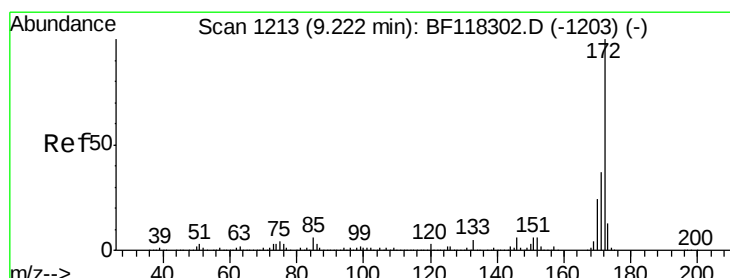
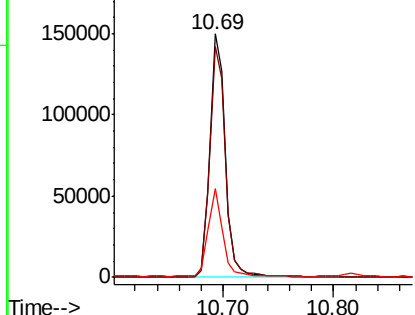
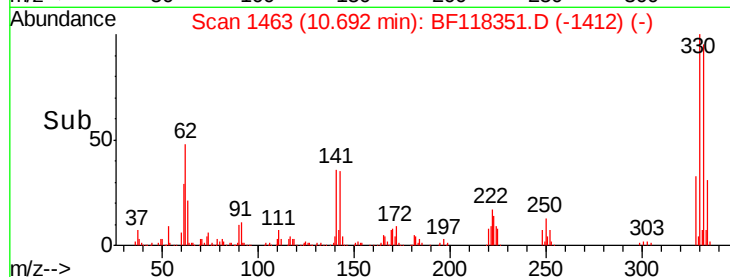


Abundance

Ion 329.80 (329.50 to 330.50): E

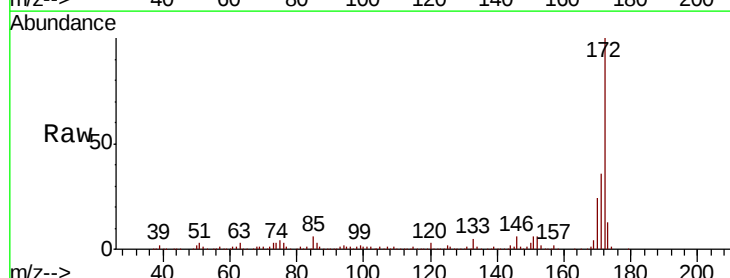
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 33.846 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118351.D
 Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.3	43.9
170	24.0	19.2	28.8

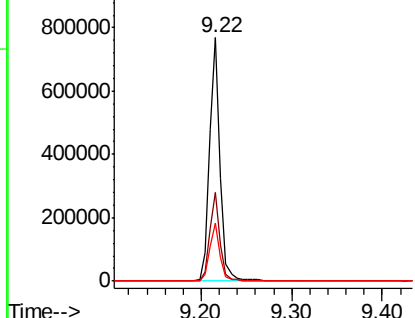
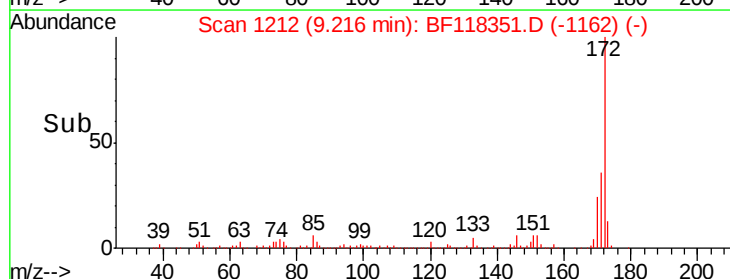


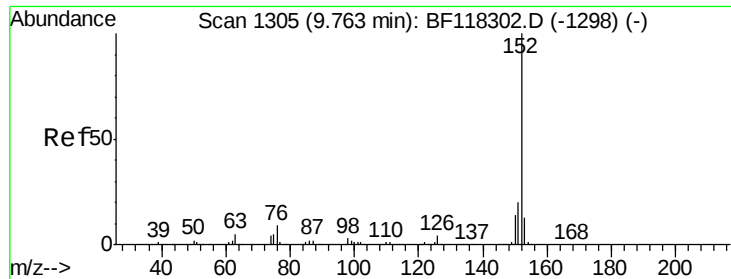
Abundance

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

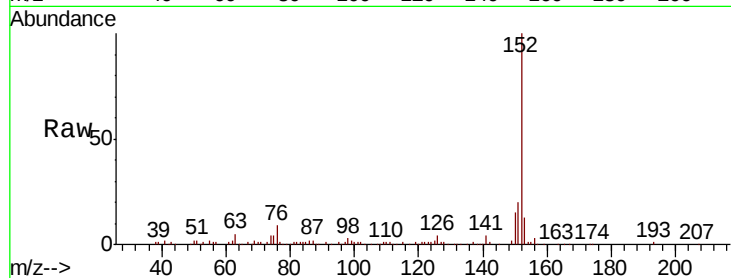




#49
Acenaphthylene
Concen: 4.874 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.0	10.5	15.7

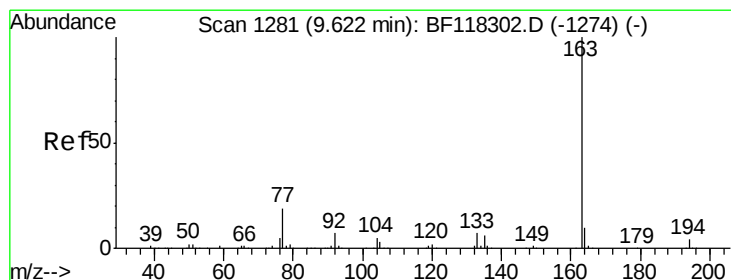
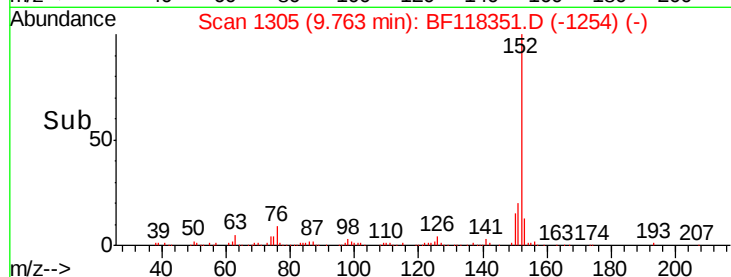
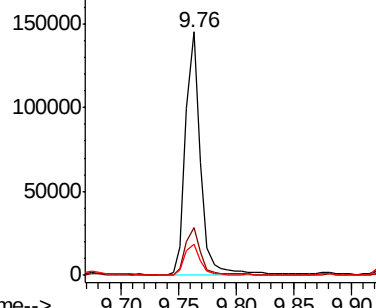


Abundance

Ion 152.00 (151.70 to 152.70): E

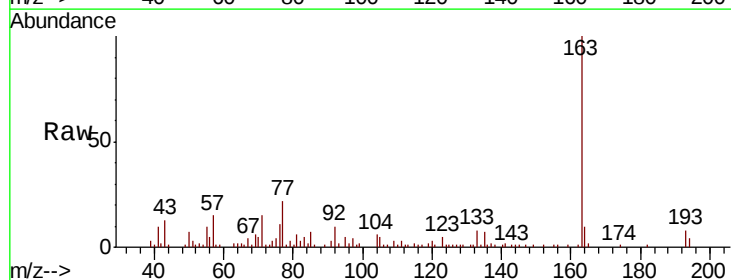
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 2.051 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.3	7.9	11.9

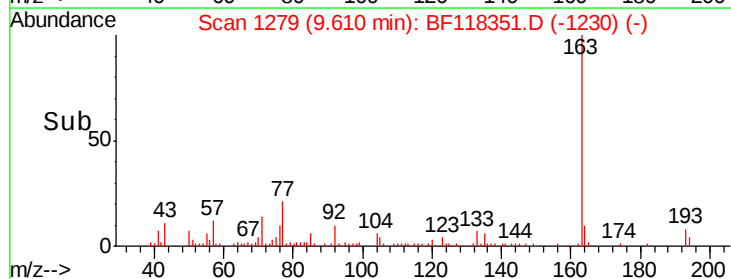
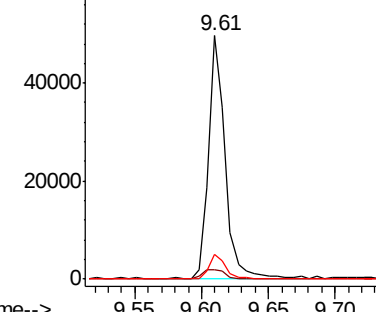


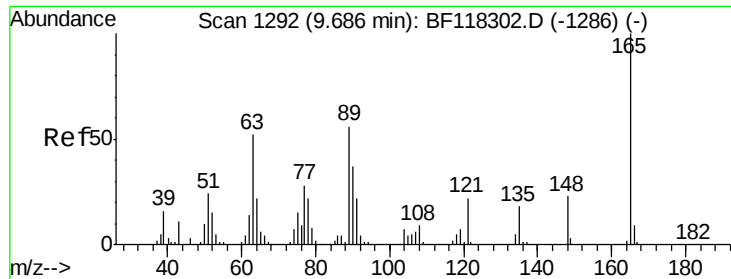
Abundance

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

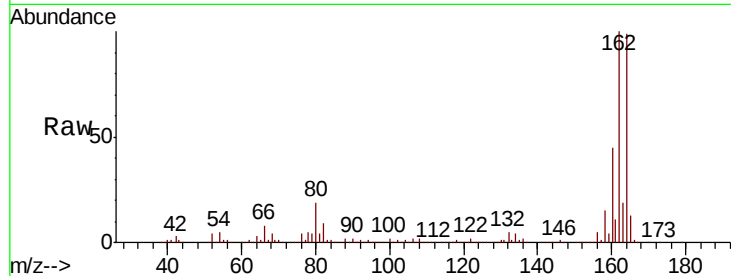




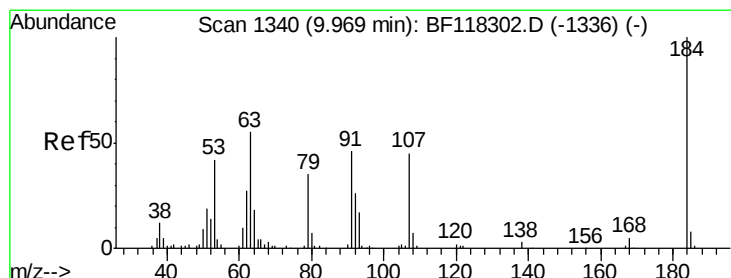
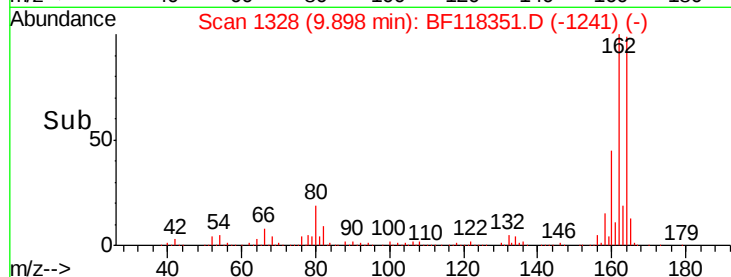
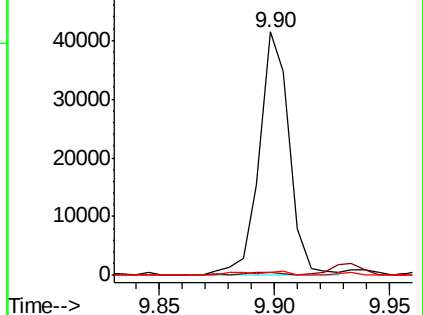
#51
 2,6-Dinitrotoluene
 Concen: 8.187 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF118351.D
 Acq: 27 Dec 2019 21:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.2	63.4#
89	1.4	44.4	66.6#

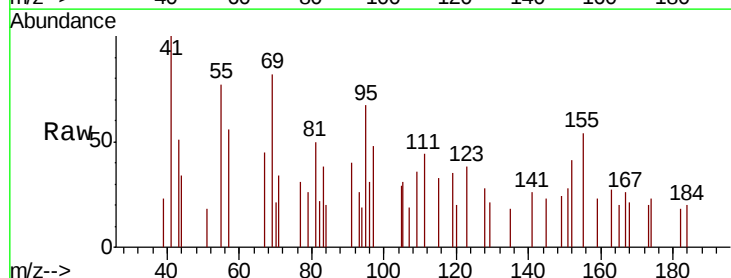


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

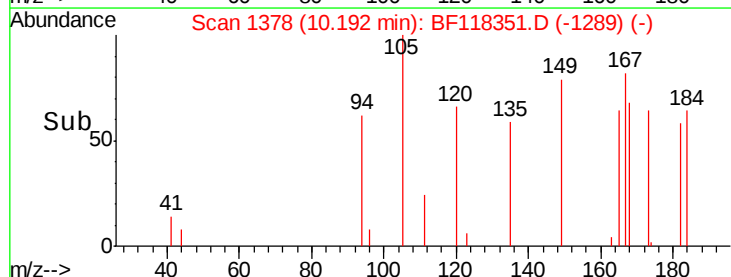
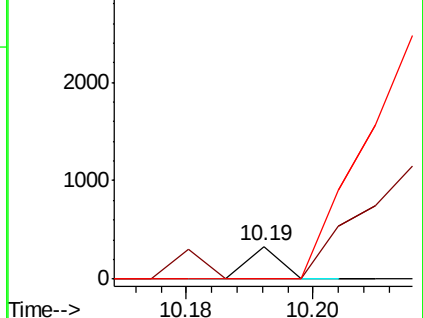


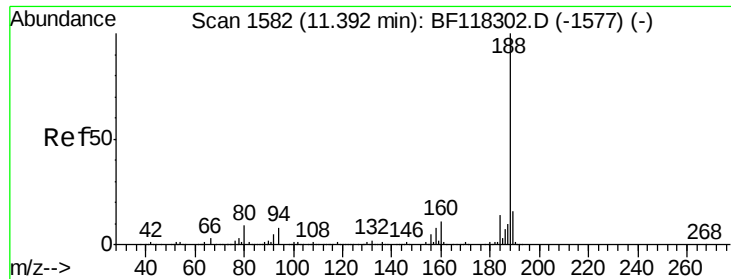
#54
 2,4-Dinitrophenol
 Concen: 5.231 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. 0.22 min
 Lab File: BF118351.D
 Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	48.8	73.2#
154	0.0	55.0	82.4#



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

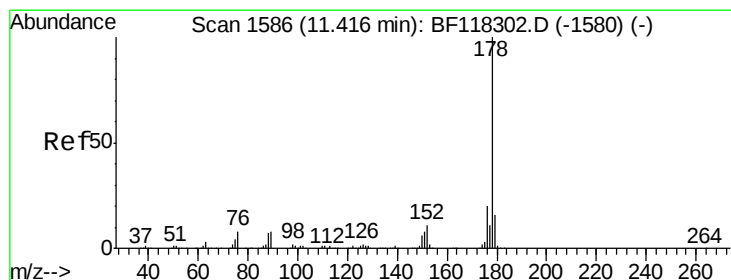
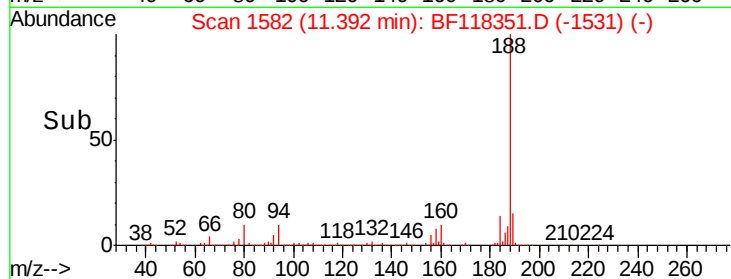
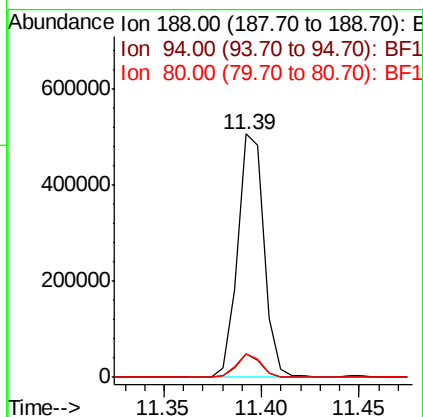
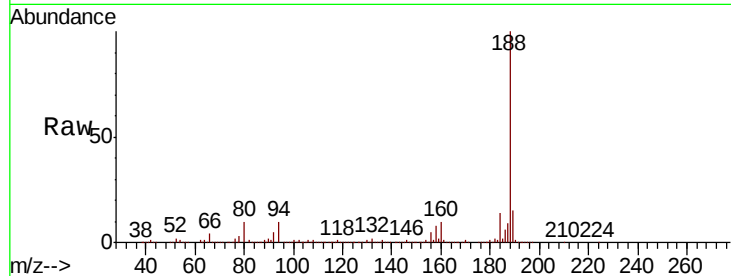




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

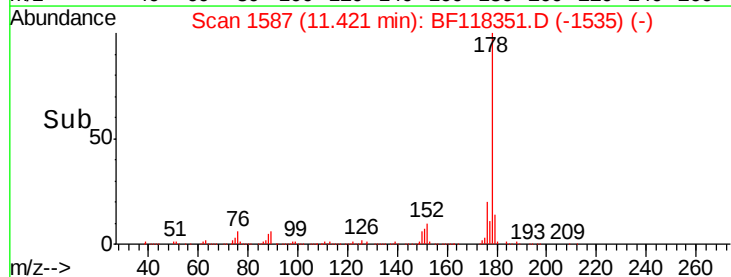
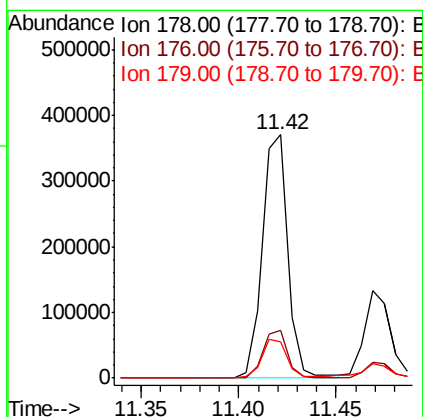
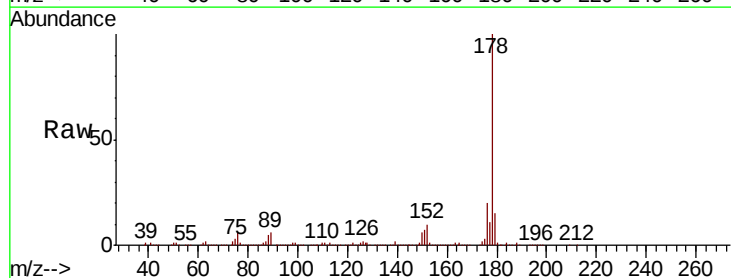
Instrument :
BNA_F
ClientSampleId :

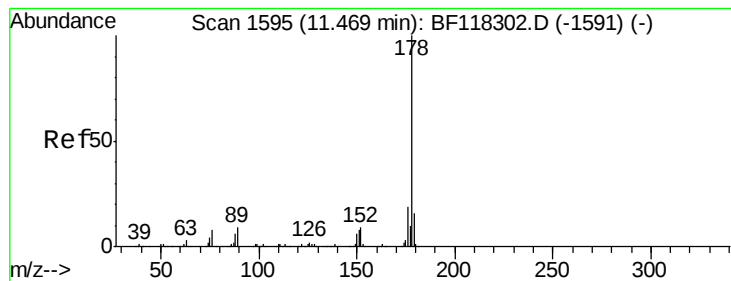
Tot Ion:188 Resp: 473855
Ion Ratio Lower Upper
188 100
94 9.6 6.7 10.1
80 9.6 7.2 10.8



#71
Phenanthrene
Concen: 12.926 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion:178 Resp: 333896
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.0 12.6 19.0





#72

Anthracene

Concen: 4.559 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.00 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Instrument :

BNA_F

ClientSampleId :

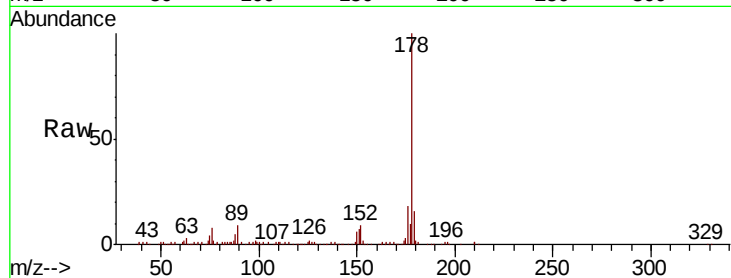
Tot Ion:178 Resp: 117880

Ion Ratio Lower Upper

178 100

176 17.9 15.2 22.8

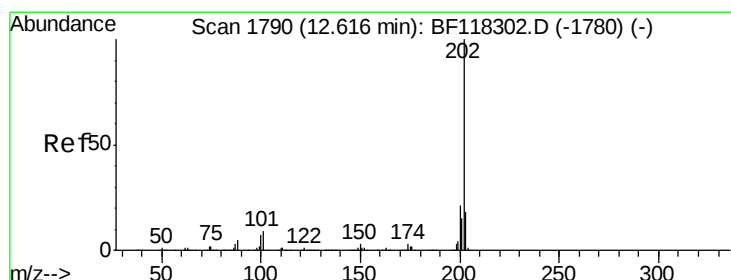
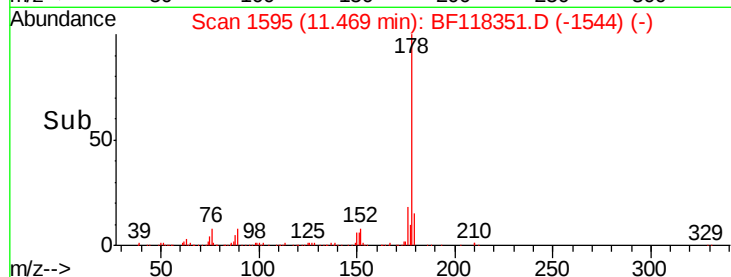
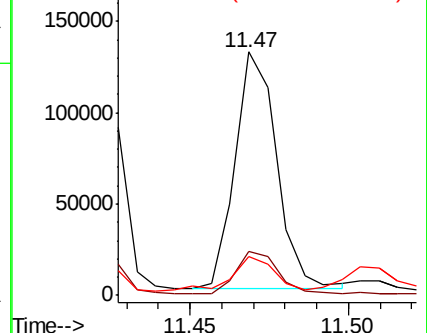
179 16.0 12.9 19.3



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: 24.760 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

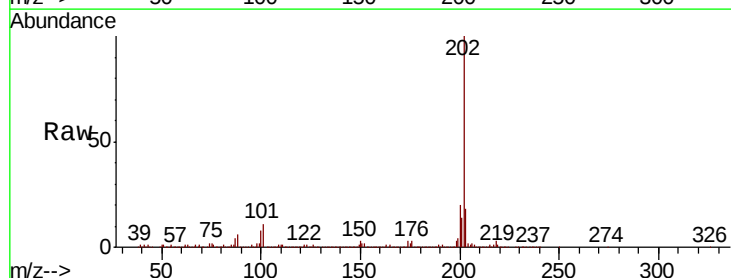
Tgt Ion:202 Resp: 645491

Ion Ratio Lower Upper

202 100

101 11.2 0.0 29.5

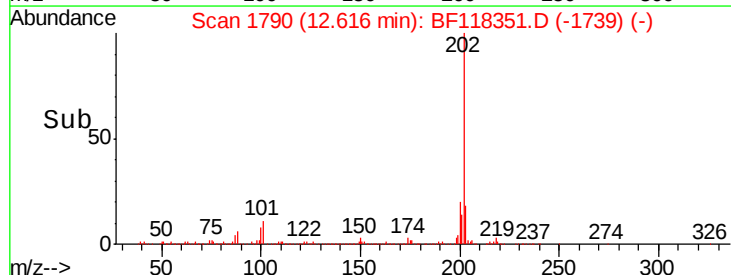
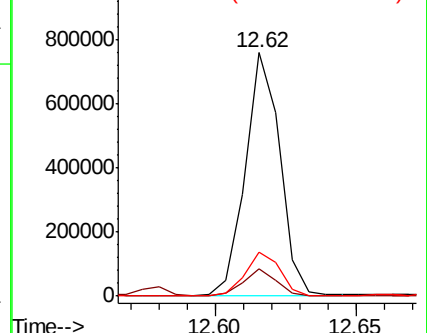
203 18.0 0.0 37.6

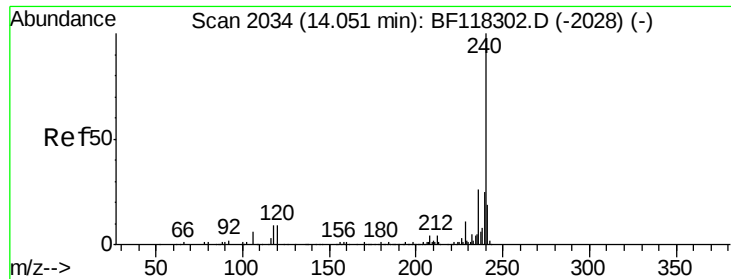


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

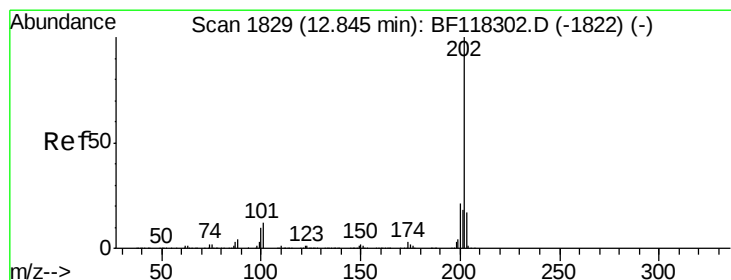
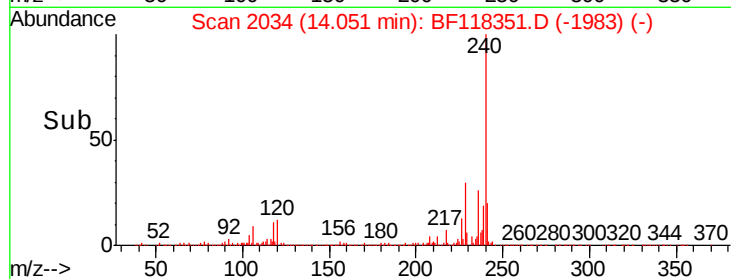
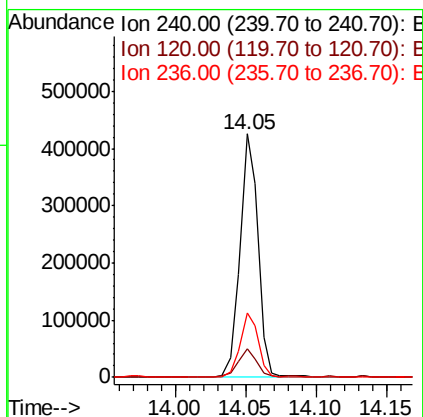
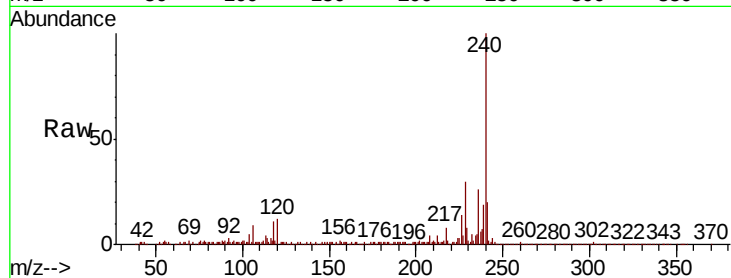




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

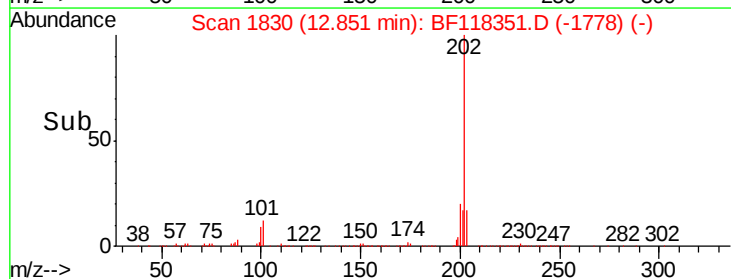
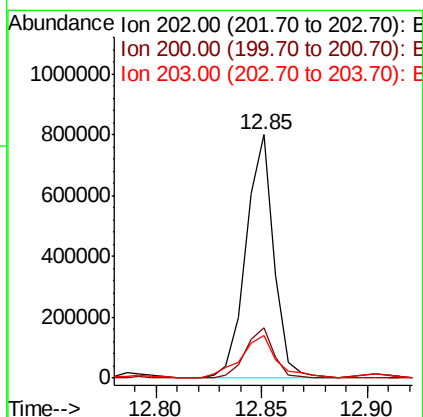
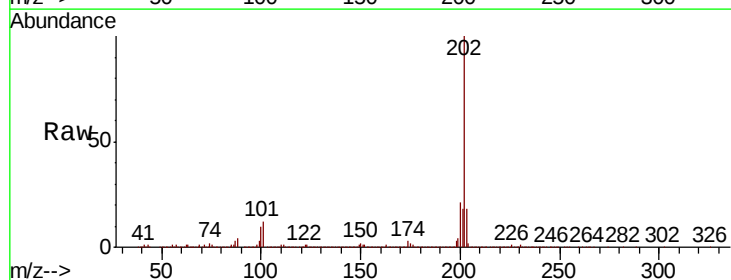
Instrument :
BNA_F
ClientSampleId :

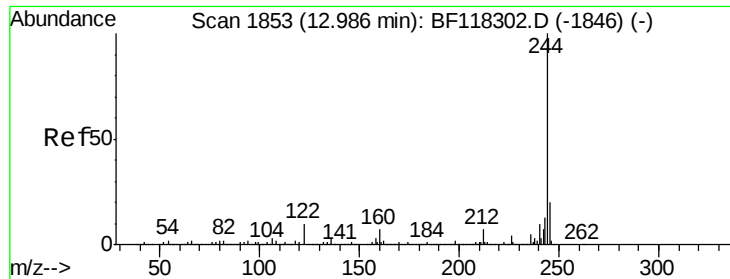
Tot Ion:240 Resp: 374621
Ion Ratio Lower Upper
240 100
120 11.8 7.1 10.7#
236 26.2 21.0 31.6



#78
Pyrene
Concen: 23.868 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion:202 Resp: 730181
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 17.5 13.9 20.9





#79

Terphenyl-d14

Concen: 28.771 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Instrument :

BNA_F

ClientSampled :

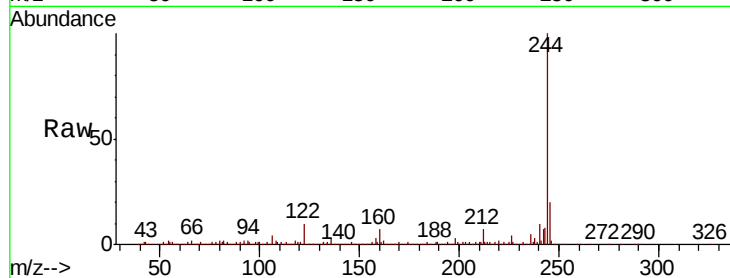
Tot Ion:244 Resp: 649669

Ion Ratio Lower Upper

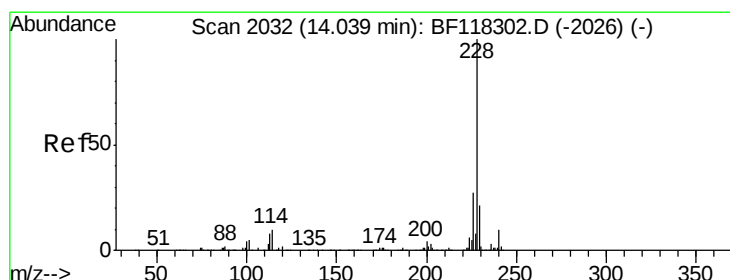
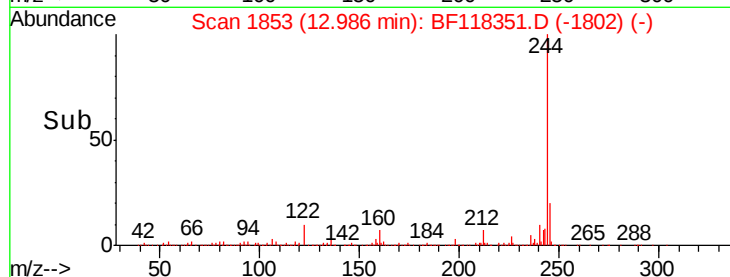
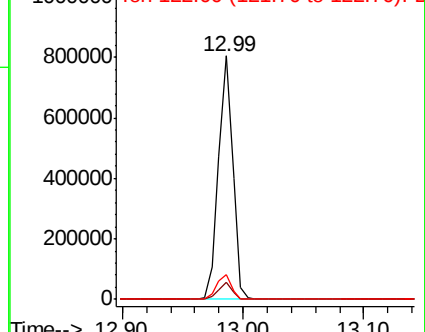
244 100

212 6.9 5.4 8.2

122 10.2 7.8 11.8



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: 14.129 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

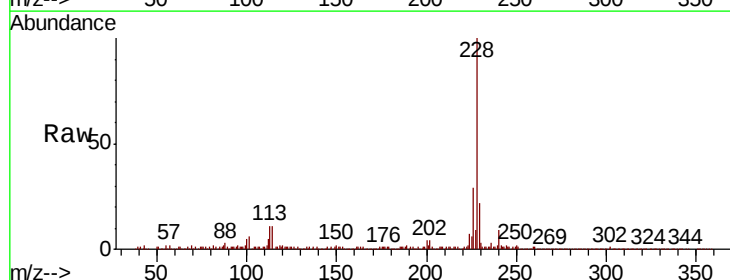
Tgt Ion:228 Resp: 370485

Ion Ratio Lower Upper

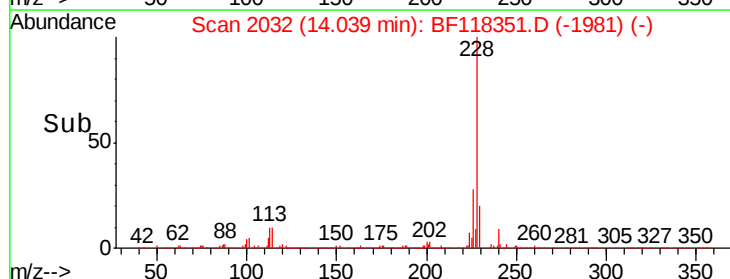
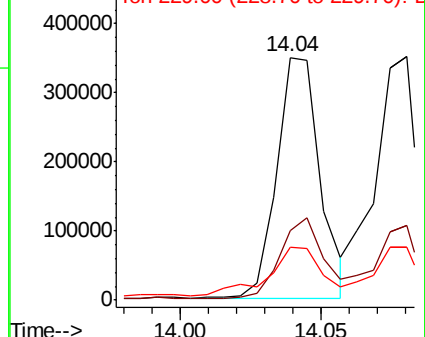
228 100

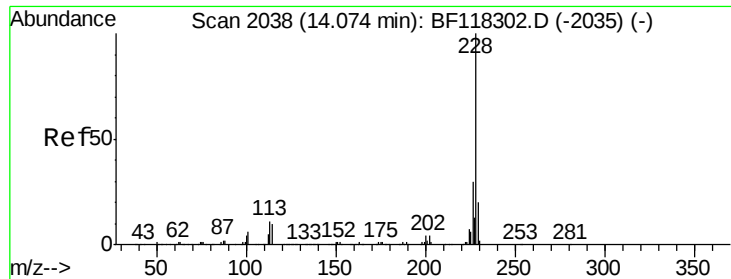
226 28.7 22.0 33.0

229 21.8 16.6 24.8



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: 14.351 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Instrument :

BNA_F

ClientSampleId :

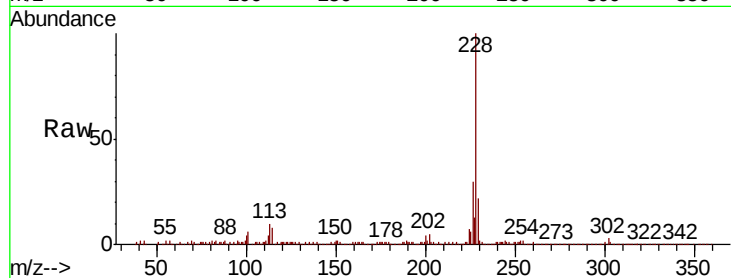
Tot Ion:228 Resp: 360325

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

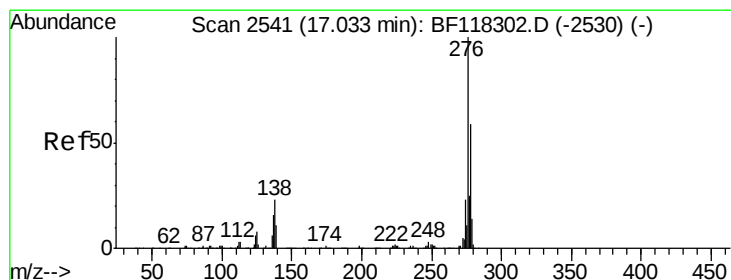
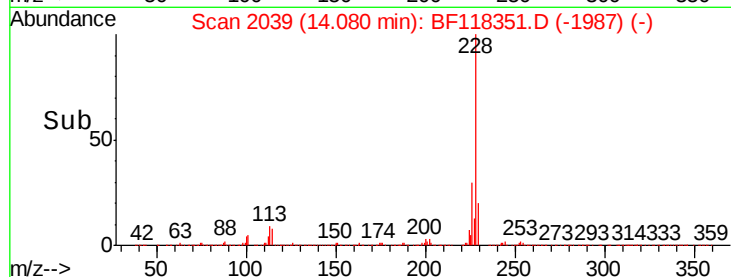
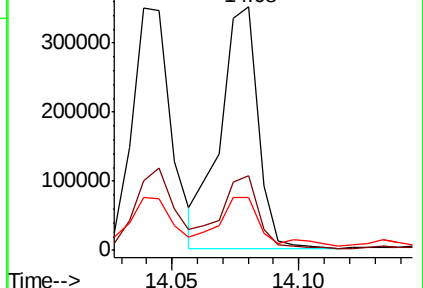
229 21.6 16.1 24.1



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: 6.563 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.02 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

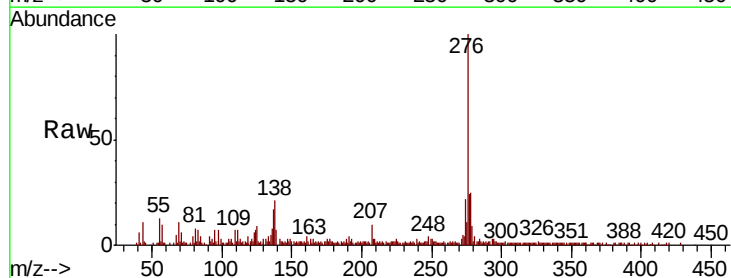
Tgt Ion:276 Resp: 140419

Ion Ratio Lower Upper

276 100

138 20.9 19.5 29.3

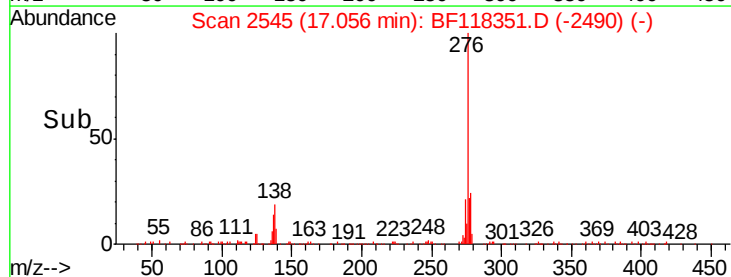
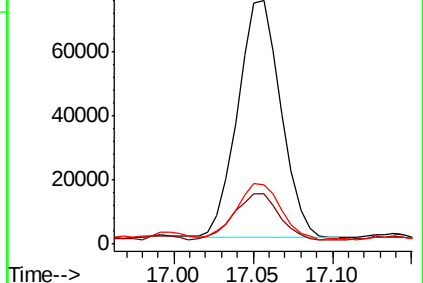
277 24.5 20.6 30.8

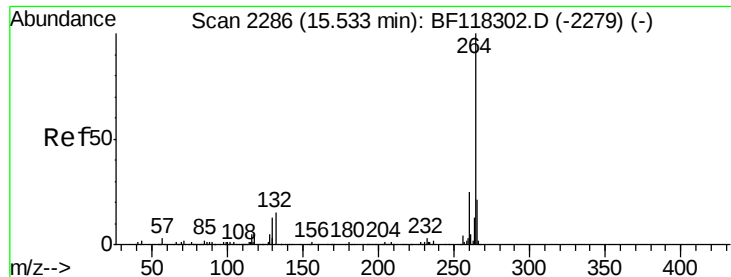


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

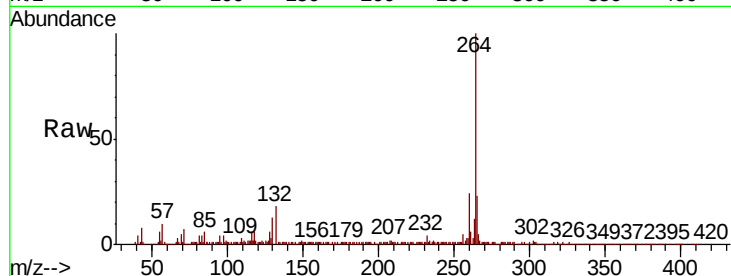




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.6
265	23.5	17.0	25.4

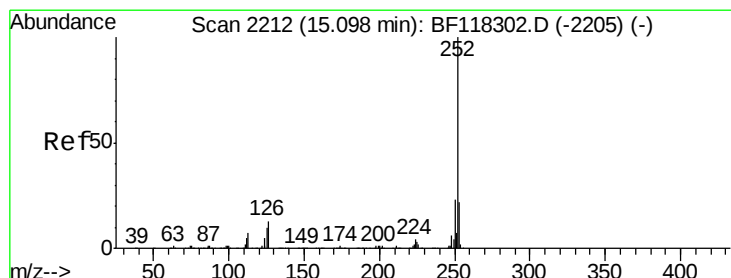
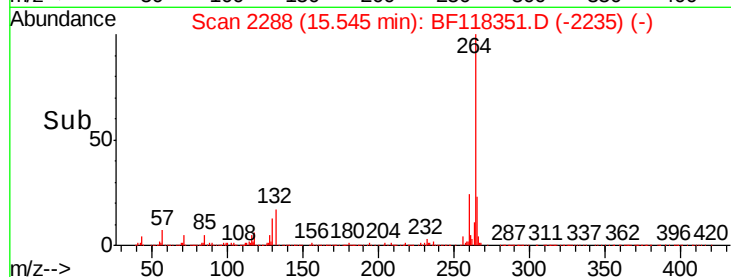
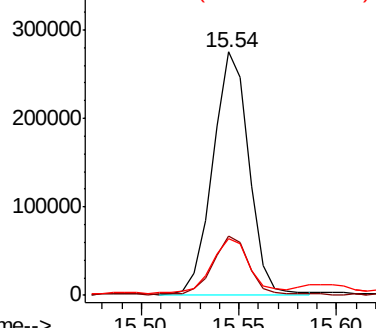


Abundance

Ion 264.00 (263.70 to 264.70): E

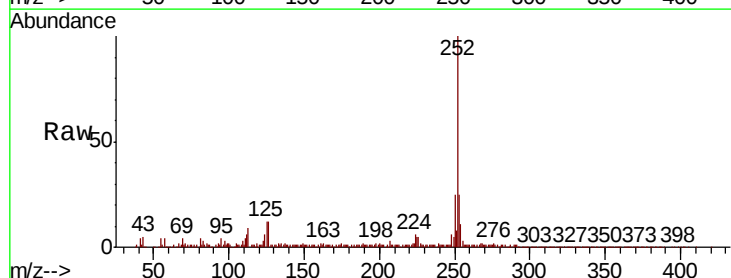
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 21.004 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	12.4	7.7	11.5#

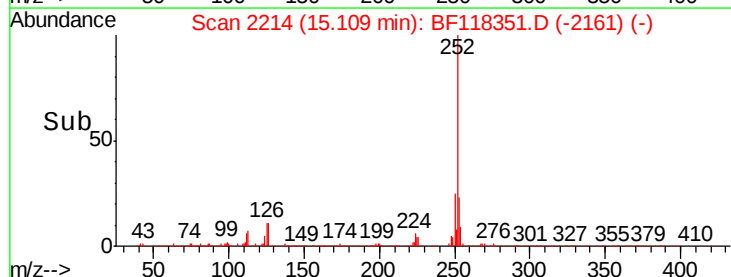
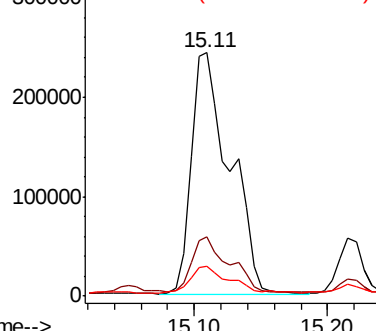


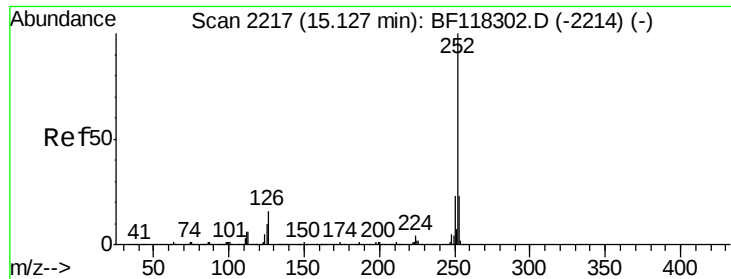
Abundance

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

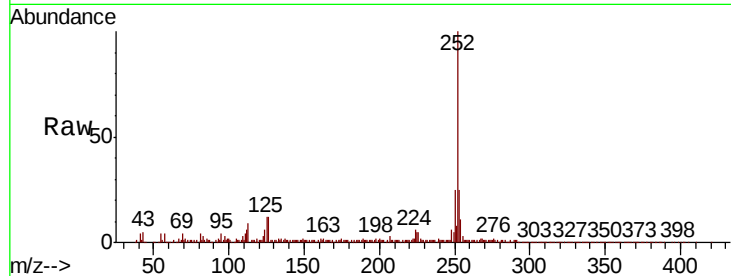




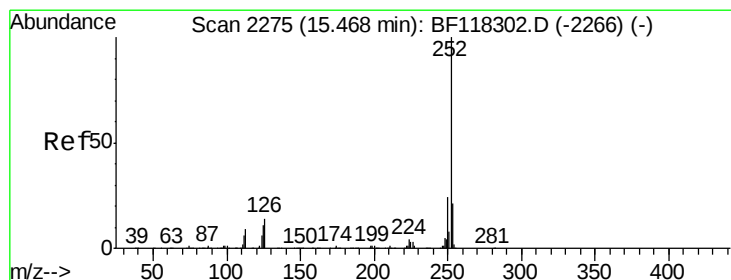
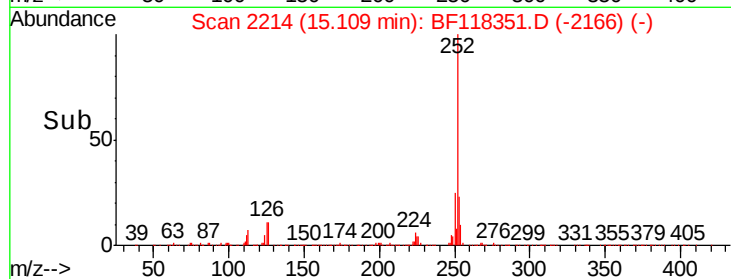
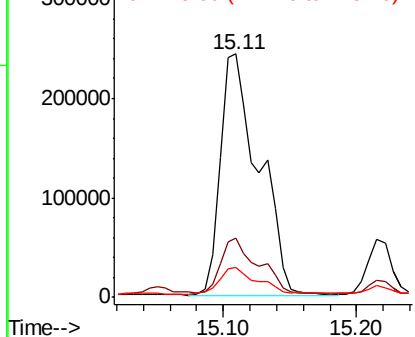
#89
Benzo(k)fluoranthene
Concen: 21.876 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	12.4	8.0	12.0

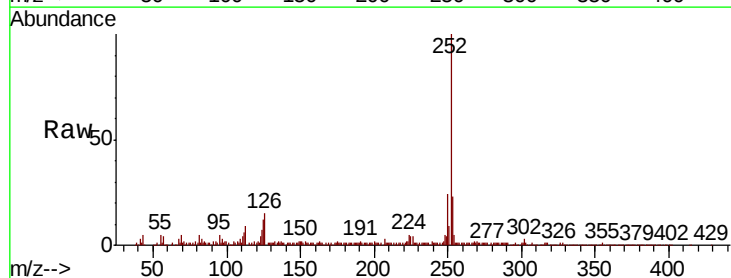


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

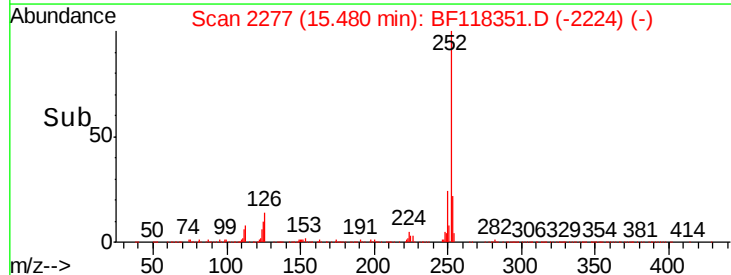
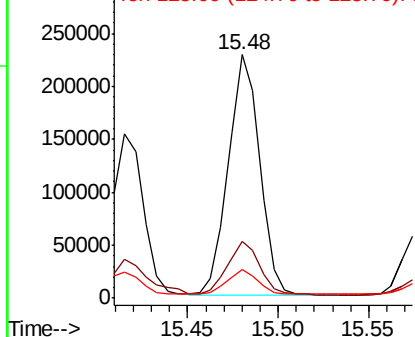


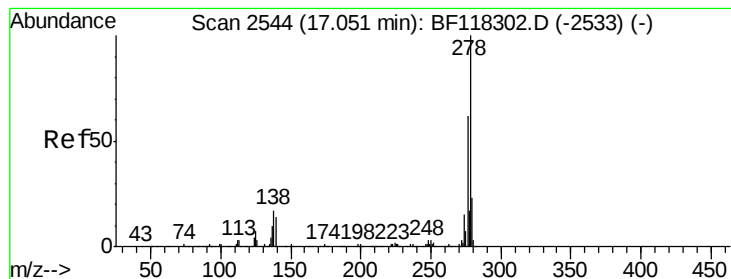
#90
Benzo(a)pyrene
Concen: 13.517 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118351.D
Acq: 27 Dec 2019 21:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	11.7	9.0	13.4



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: 2.320 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

Instrument :

BNA_F

ClientSampled :

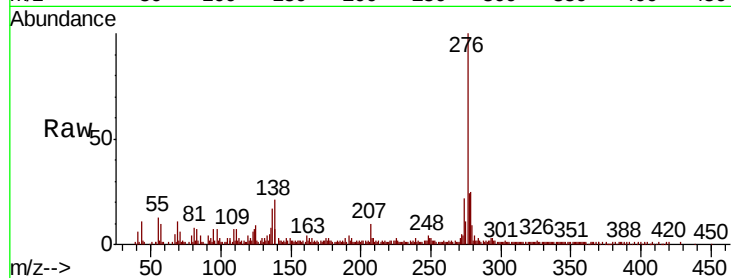
Tot Ion:278 Resp: 41220

Ion Ratio Lower Upper

278 100

139 27.4 11.5 17.3#

279 37.0 18.3 27.5#

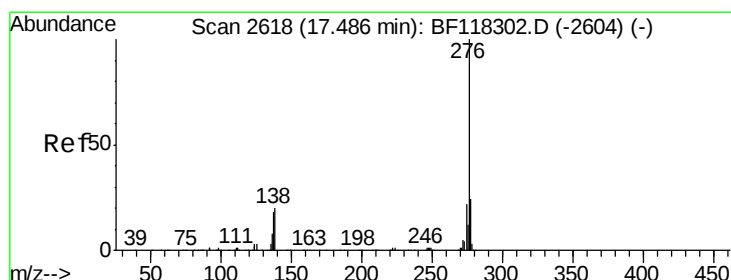
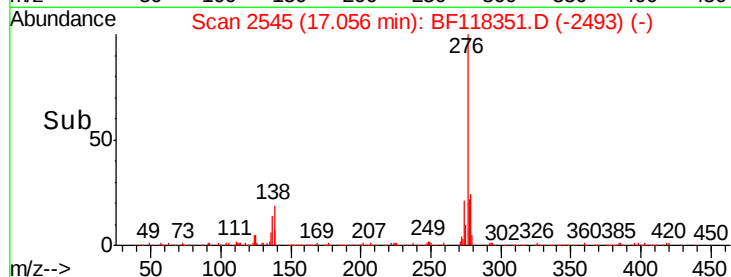
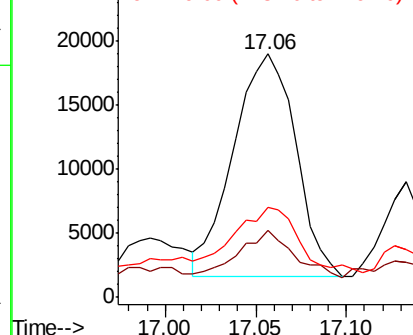


Abundance

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(g,h,i)perylene

Concen: 8.412 ng

RT: 17.52 min Scan# 2623

Delta R.T. 0.03 min

Lab File: BF118351.D

Acq: 27 Dec 2019 21:30

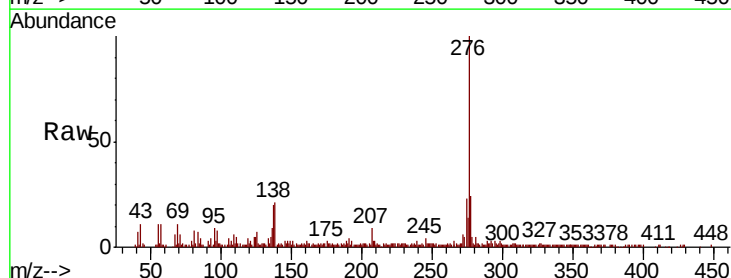
Tgt Ion:276 Resp: 144355

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 21.1 16.1 24.1



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

