

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110819\
 Data File : BF117743.D
 Acq On : 8 Nov 2019 20:44
 Operator : JU
 Sample : K5722-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-C

Quant Time: Nov 09 01:25:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

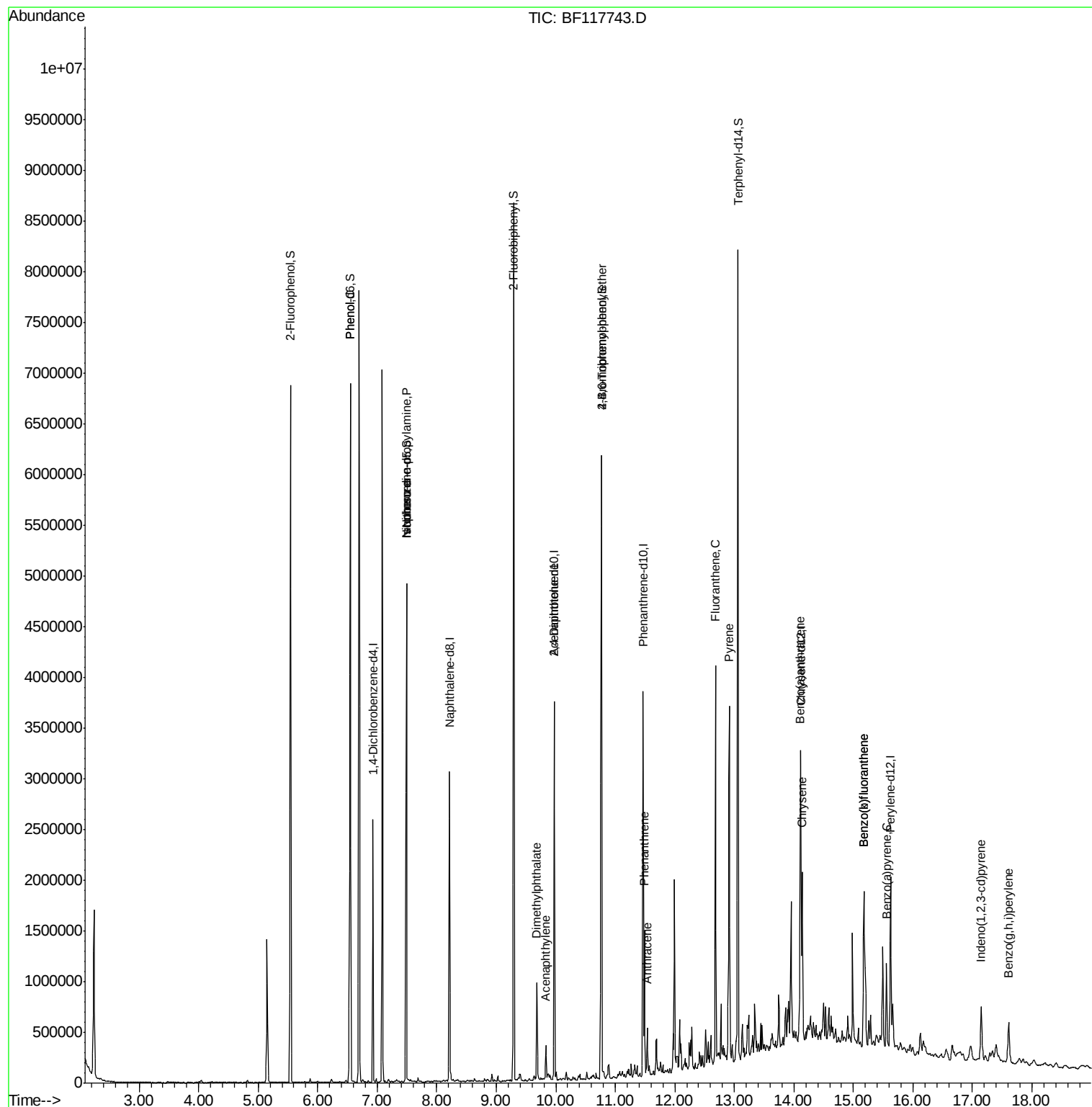
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	341157	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1332639	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	718834	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1335591	20.00	ng	0.00
76) Chrysene-d12	14.12	240	774660	20.00	ng	-0.01
87) Perylene-d12	15.63	264	783251	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	2095815	111.20	ng	0.00
7) Phenol-d6	6.55	99	2669917	114.89	ng	0.00
23) Nitrobenzene-d5	7.49	82	1694561	75.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	821617	116.84	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2896345	79.50	ng	-0.01
79) Terphenyl-d14	13.06	244	3058986	81.29	ng	0.00
Target Compounds						
10) Phenol	6.56	94	91317	3.647	ng	# 72
19) n-Nitroso-di-n-propylamine	7.49	70	236295	15.464	ng	# 74
25) Isophorone	7.49	82	1688268	39.105	ng	# 62
49) Acenaphthylene	9.83	152	125479	2.062	ng	96
50) Dimethylphthalate	9.69	163	384289	7.908	ng	97
57) 2,4-Dinitrotoluene	9.97	165	95661	6.853	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	52405	3.593	ng	# 1
71) Phenanthrene	11.49	178	505150	7.891	ng	95
72) Anthracene	11.54	178	144783	2.273	ng	96
75) Fluoranthene	12.69	202	1458842	22.318	ng	96
78) Pyrene	12.92	202	1345734	23.797	ng	97
81) Benzo(a)anthracene	14.10	228	524427	10.876	ng	95
83) Chrysene	14.14	228	632475	13.282	ng	97
86) Indeno(1,2,3-cd)pyrene	17.14	276	350258	7.903	ng	94
88) Benzo(b)fluoranthene	15.17	252	1188789	24.099	ng	98
89) Benzo(k)fluoranthene	15.17	252	1188789	27.019	ng	99
90) Benzo(a)pyrene	15.56	252	415432	9.715	ng	100
92) Benzo(g,h,i)perylene	17.61	276	314953	8.474	ng	98

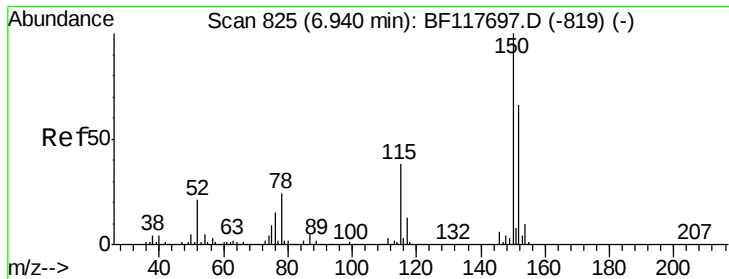
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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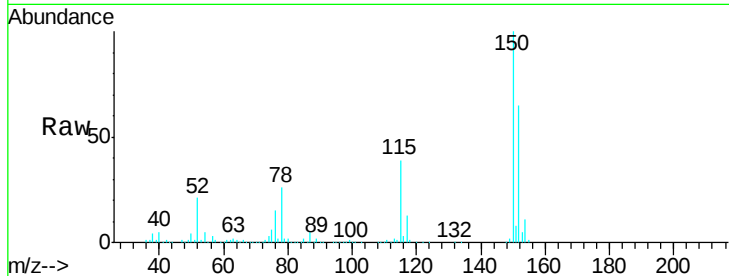


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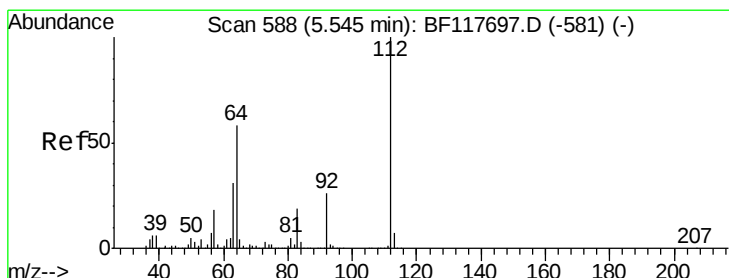
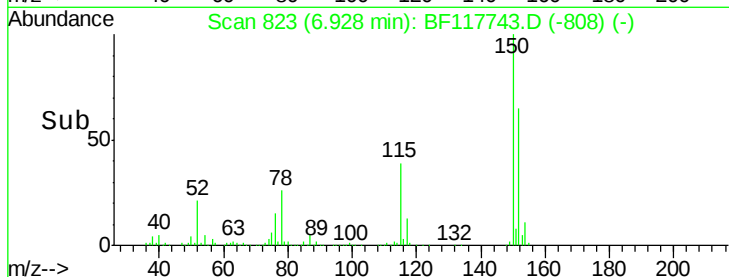
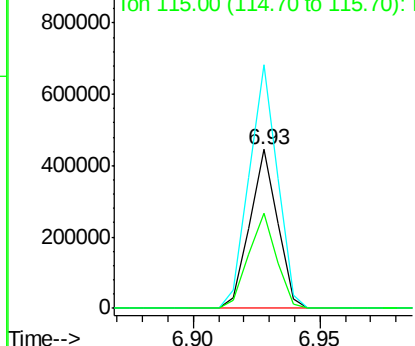
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampled :
3-C

Tgt Ion:152 Resp: 341157
Ion Ratio Lower Upper
152 100
150 153.2 121.4 182.2
115 60.2 46.7 70.1



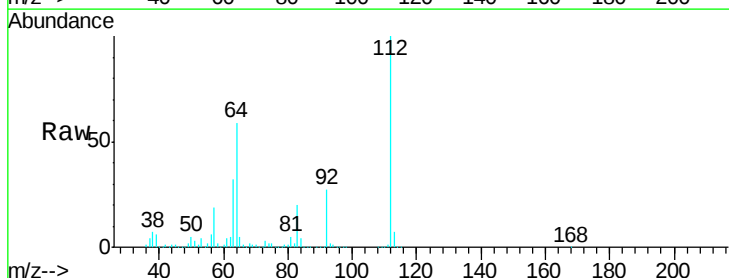
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



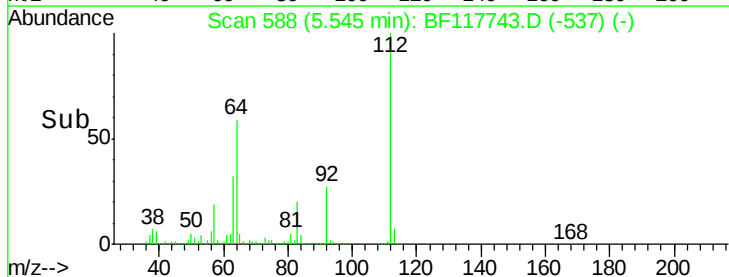
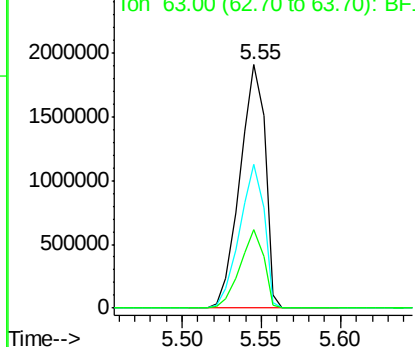
#5

2-Fluorophenol
Concen: 111.202 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion:112 Resp: 2095815
Ion Ratio Lower Upper
112 100
64 59.2 46.4 69.6
63 32.2 24.6 37.0



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: 114.891 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

Instrument :

BNA_F

ClientSampled :

3-C

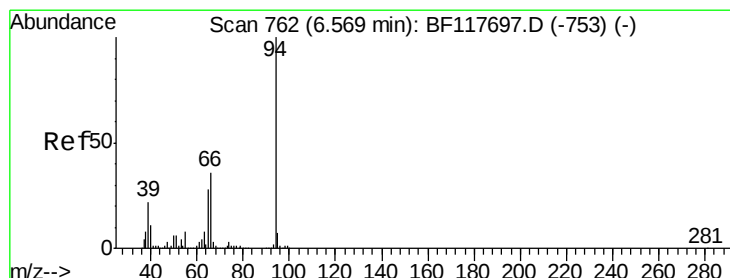
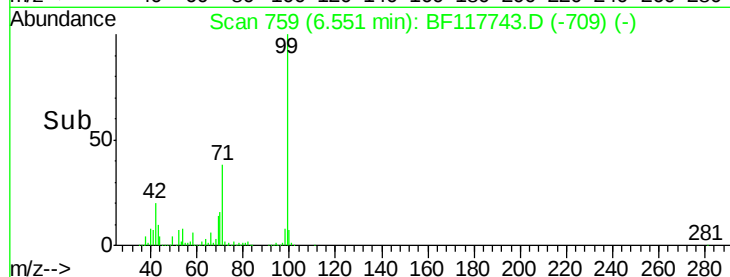
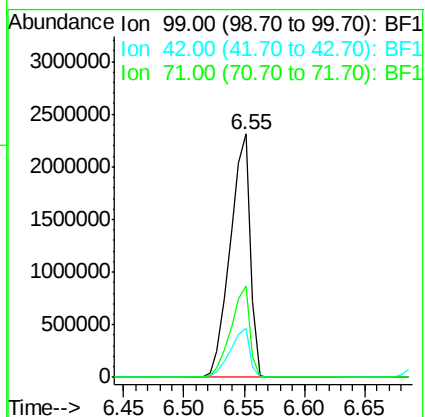
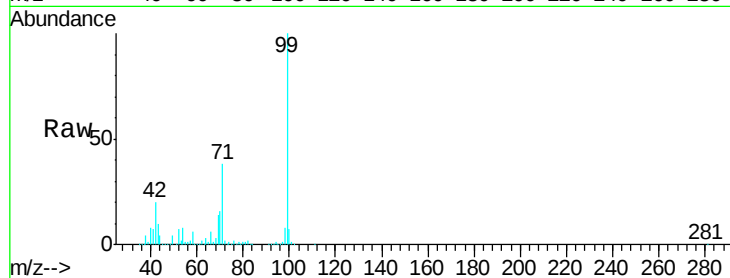
Tgt Ion: 99 Resp: 2669917

Ion Ratio Lower Upper

99 100

42 20.2 15.3 22.9

71 37.6 26.8 40.2



#10

Phenol

Concen: 3.647 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

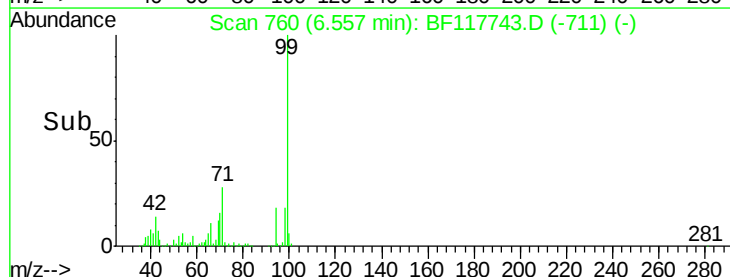
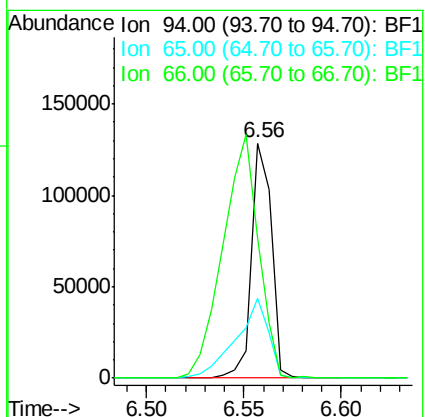
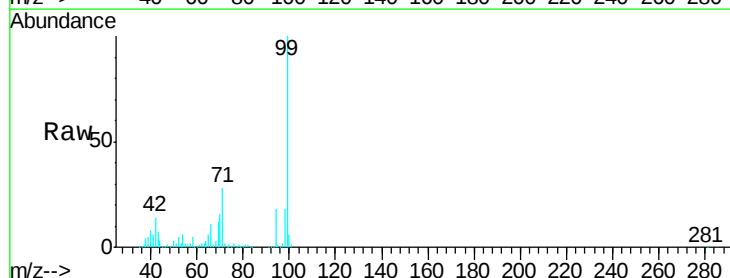
Tgt Ion: 94 Resp: 91317

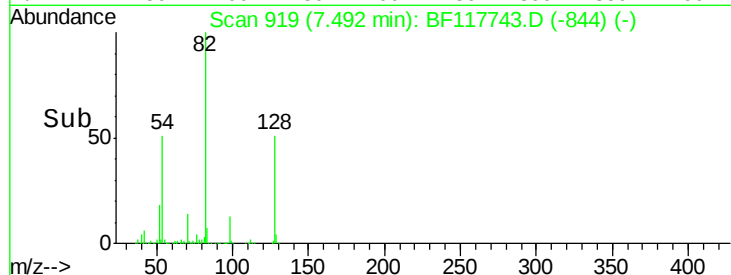
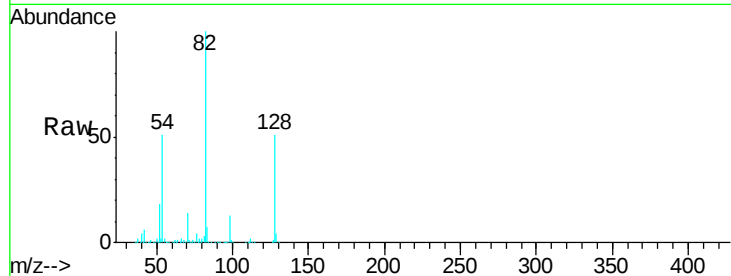
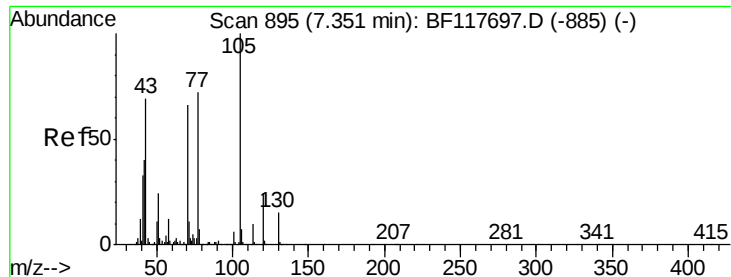
Ion Ratio Lower Upper

94 100

65 34.2 7.6 47.6

66 59.4 16.1 56.1#

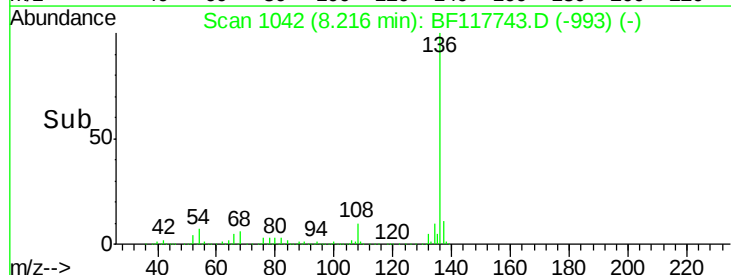
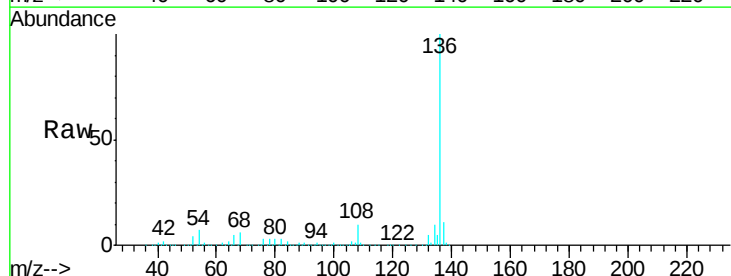
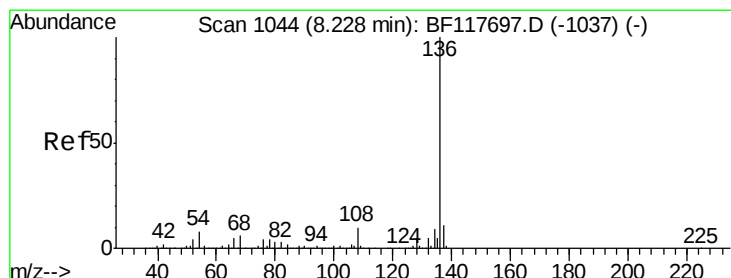
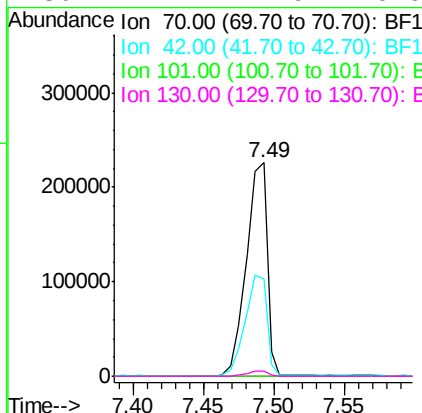




#19
n-Nitroso-di-n-propylamine
Concen: 15.464 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.14 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

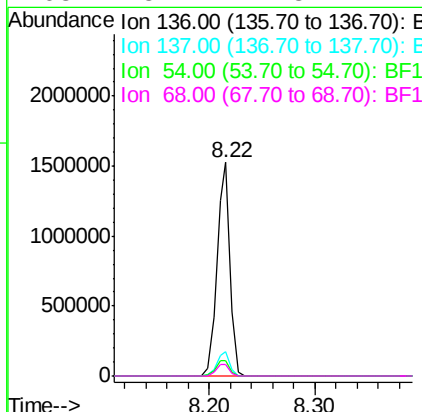
Instrument :
BNA_F
ClientSampleId :
3-C

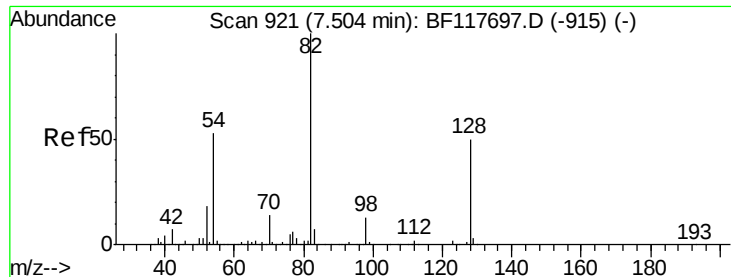
Tgt Ion:	70	Resp:	236295
Ion	Ratio	Lower	Upper
70	100		
42	45.7	49.1	73.7#
101	0.0	7.8	11.8#
130	2.4	17.9	26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion:	136	Resp:	1332639
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.5	6.0	9.0
68	5.7	4.8	7.2

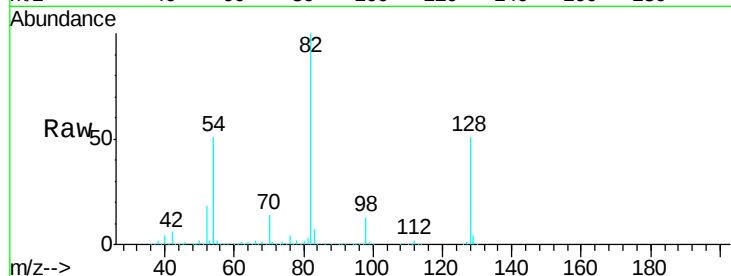




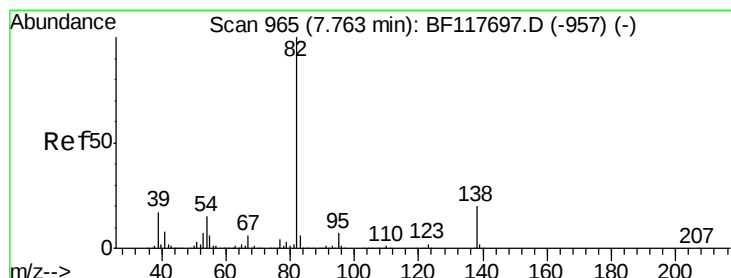
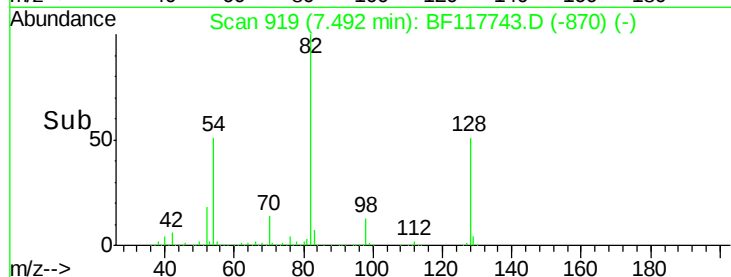
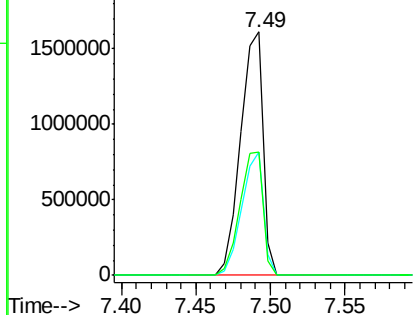
#23
Nitrobenzene-d5
Concen: 75.073 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampleId :
3-C

Tgt Ion: 82 Resp: 1694561
Ion Ratio Lower Upper
82 100
128 50.6 40.2 60.2
54 50.7 42.0 63.0

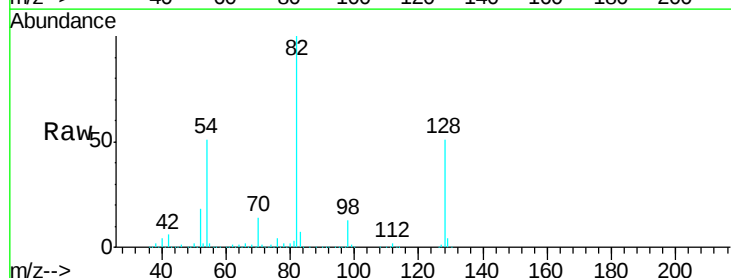


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

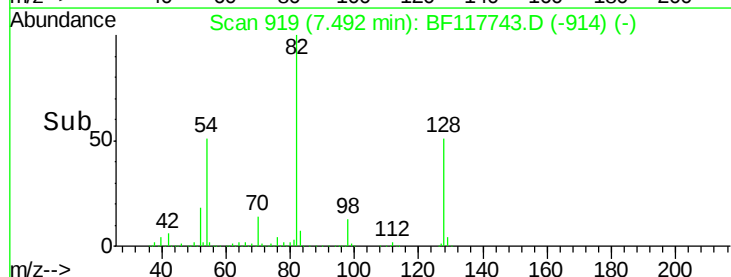
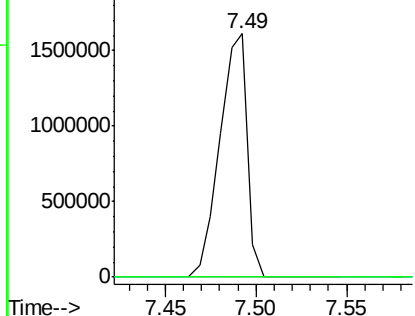


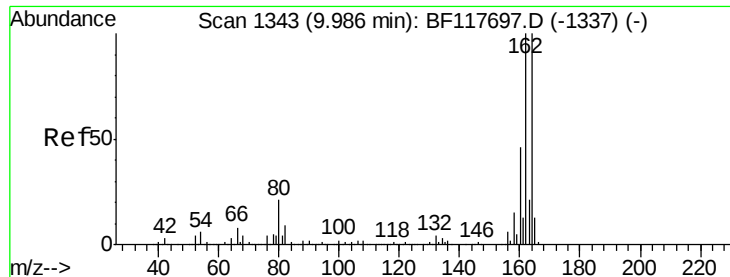
#25
Isophorone
Concen: 39.105 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.27 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion: 82 Resp: 1688268
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
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

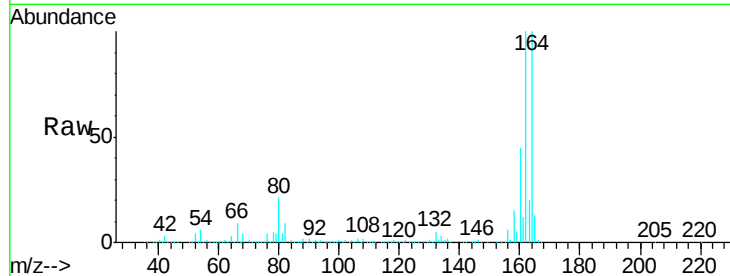




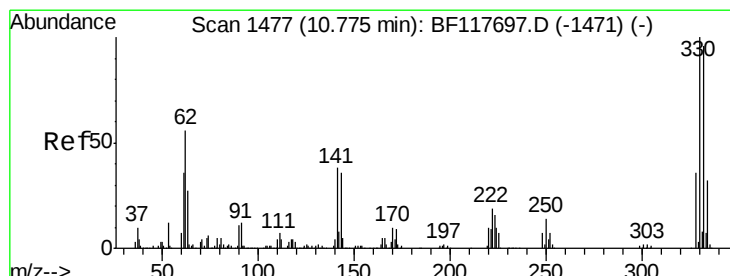
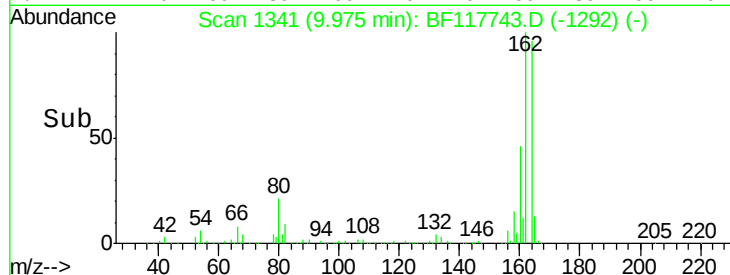
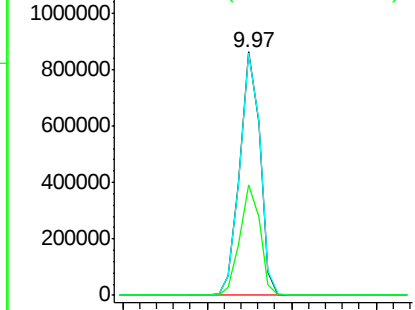
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampled :
3-C

Tgt Ion:164 Resp: 718834
Ion Ratio Lower Upper
164 100
162 99.5 79.7 119.5
160 45.5 36.5 54.7

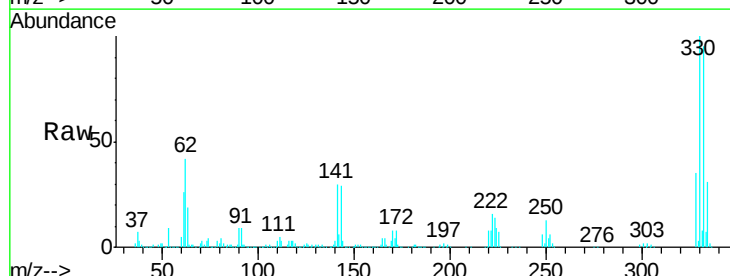


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

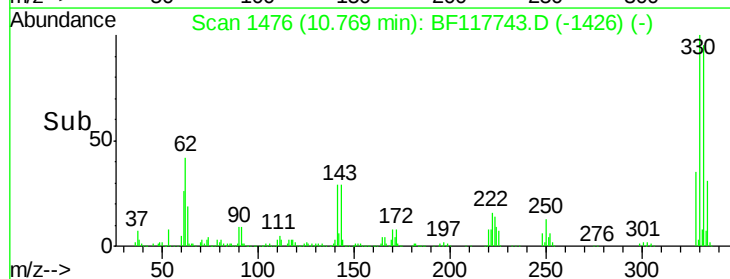
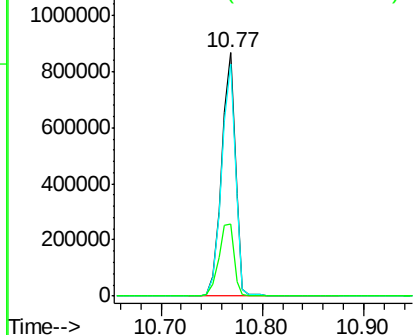


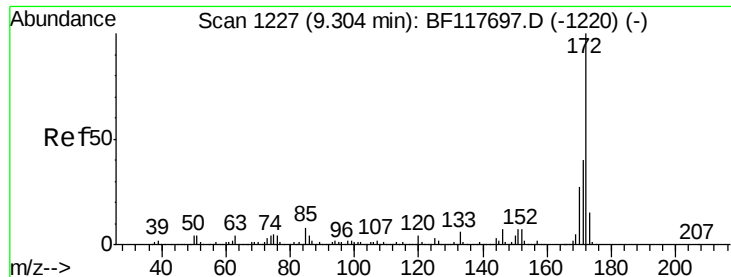
#42
2,4,6-Tribromophenol
Concen: 116.843 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion:330 Resp: 821617
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 32.9 28.0 42.0



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

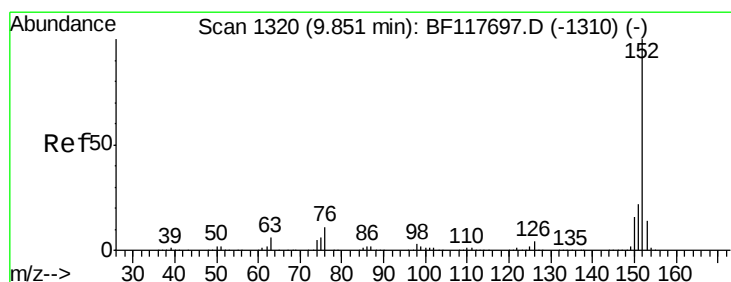
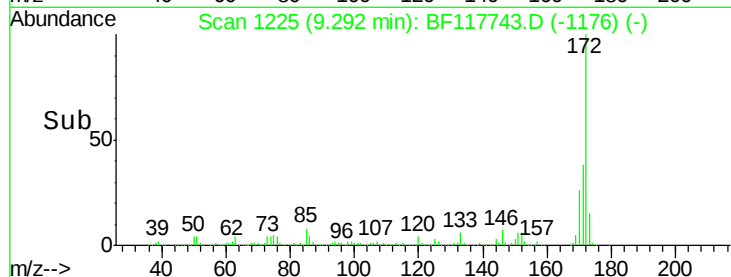
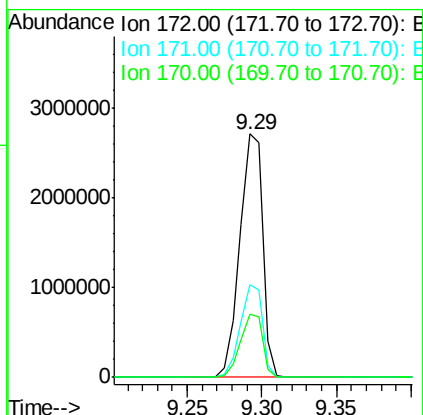
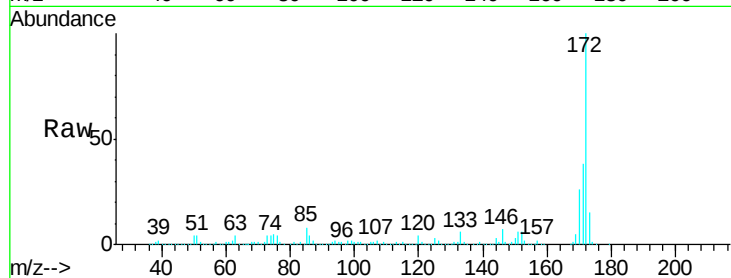




#45
2-Fluorobiphenyl
Concen: 79.497 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

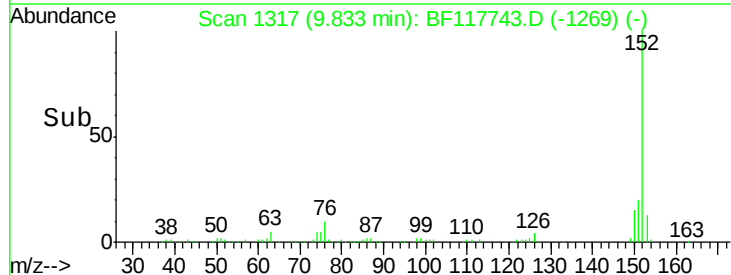
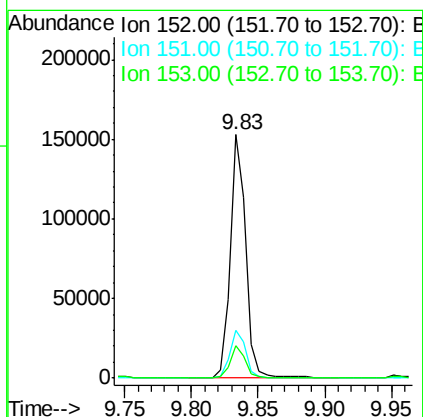
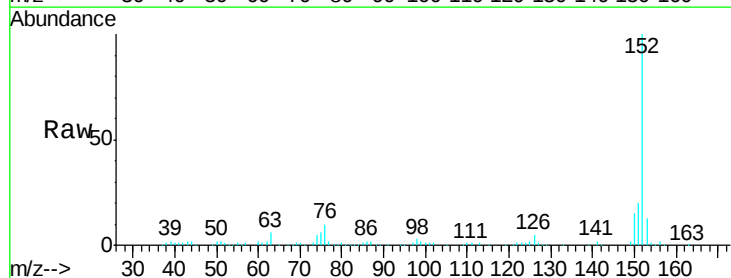
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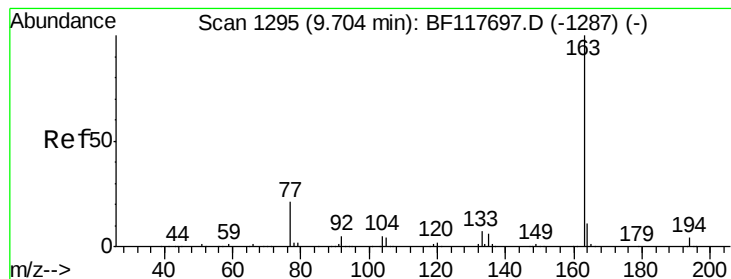
Tgt Ion:172 Resp: 2896345
Ion Ratio Lower Upper
172 100
171 38.3 31.8 47.8
170 26.2 21.6 32.4



#49
Acenaphthylene
Concen: 2.062 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion:152 Resp: 125479
Ion Ratio Lower Upper
152 100
151 19.7 17.8 26.6
153 13.2 11.5 17.3





#50

Dimethylphthalate

Concen: 7.908 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

Instrument :

BNA_F

ClientSampleId :

3-C

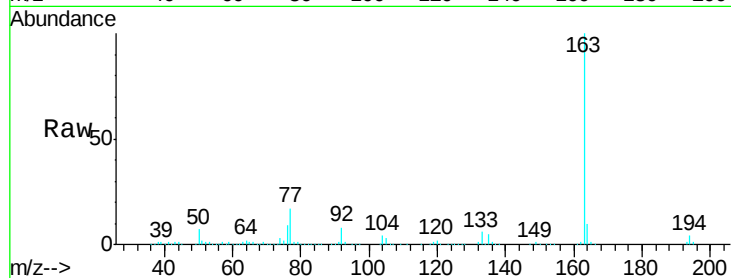
Tgt Ion:163 Resp: 384289

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

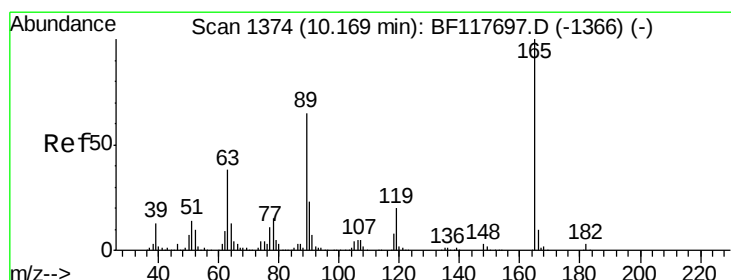
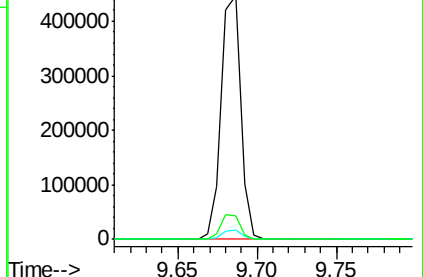
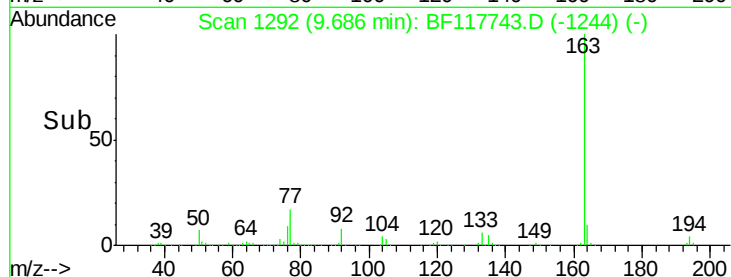
164 9.6 8.9 13.3



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



#57

2,4-Dinitrotoluene

Concen: 6.853 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.19 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

Tgt Ion:165 Resp: 95661

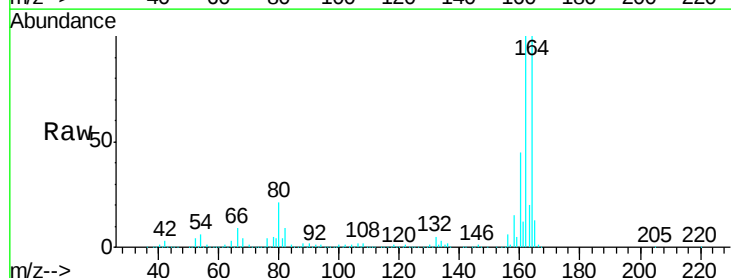
Ion Ratio Lower Upper

165 100

63 1.2 30.4 45.6#

89 1.4 52.2 78.4#

182 0.0 2.3 3.5#

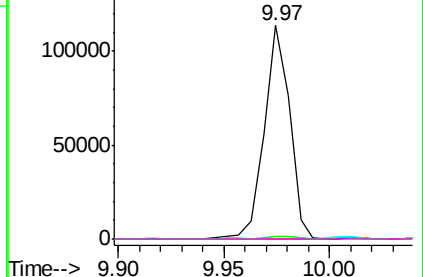
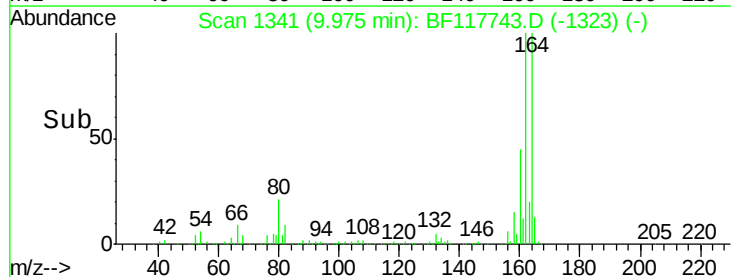


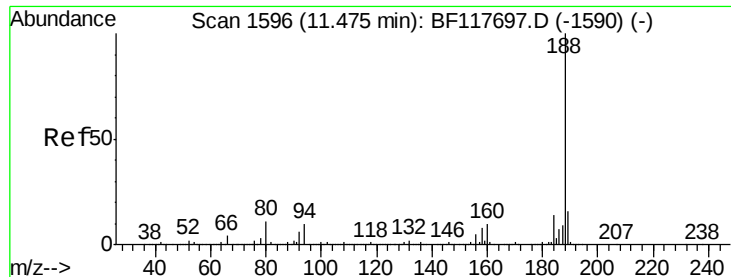
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

Instrument :

BNA_F

ClientSampleId :

3-C

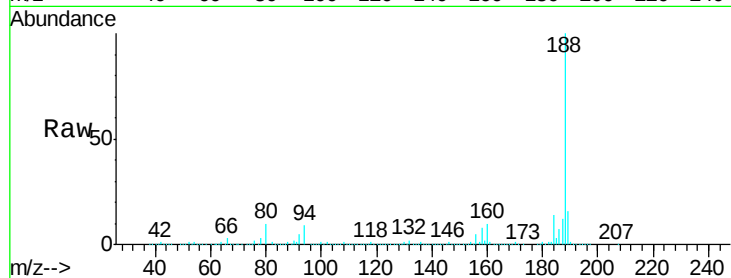
Tgt Ion:188 Resp: 1335591

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.4

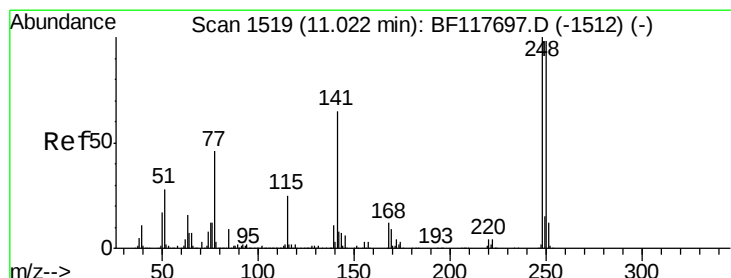
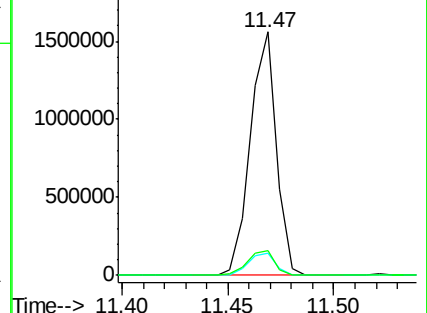
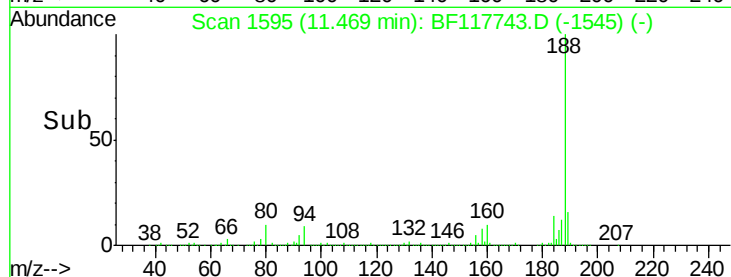
80 10.0 8.6 13.0



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: 3.593 ng

RT: 10.77 min Scan# 1476

Delta R.T. -0.25 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

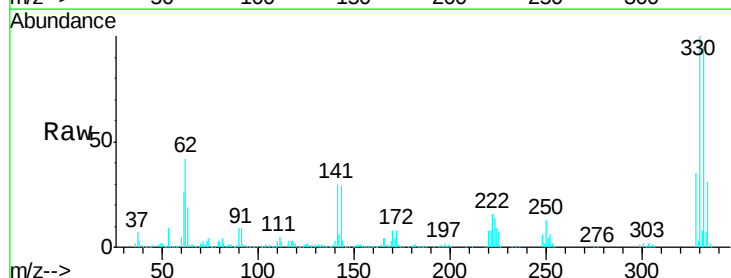
Tgt Ion:248 Resp: 52405

Ion Ratio Lower Upper

248 100

250 203.0 78.7 118.1#

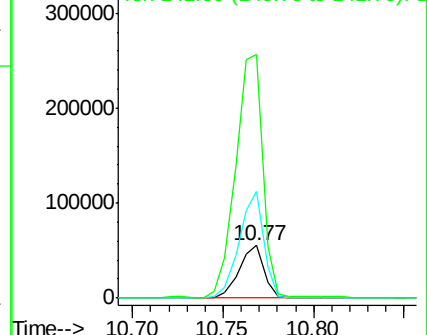
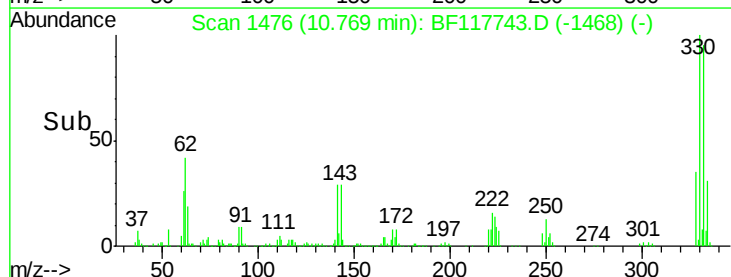
141 464.5 51.8 77.8#

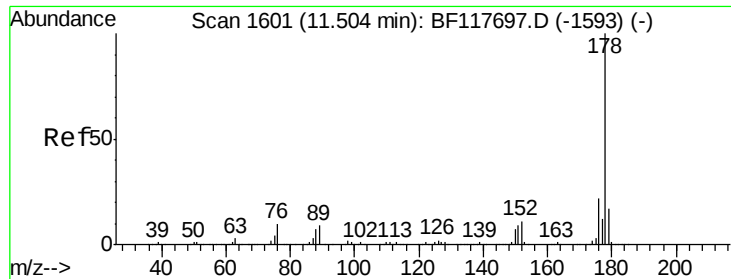


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

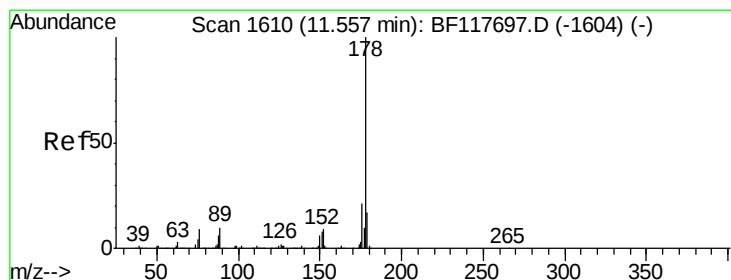
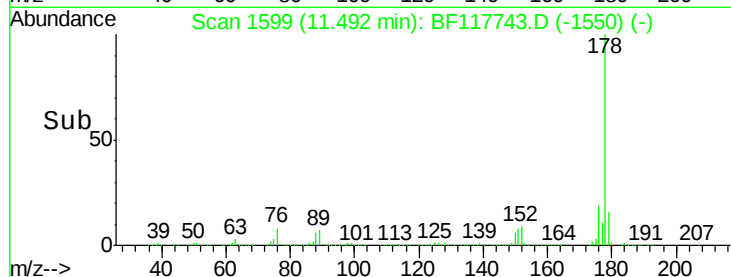
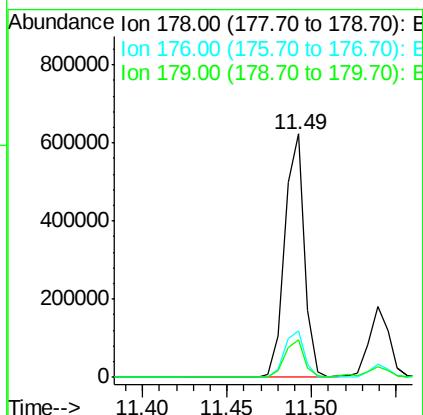
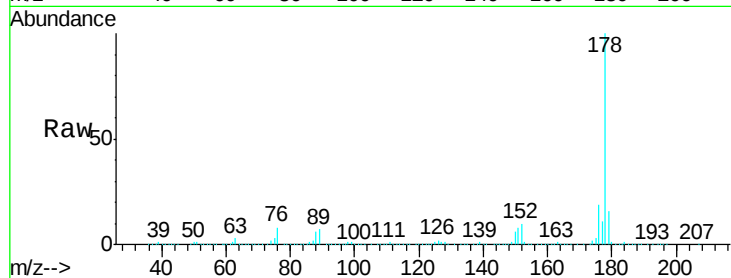




#71
Phenanthrene
Concen: 7.891 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

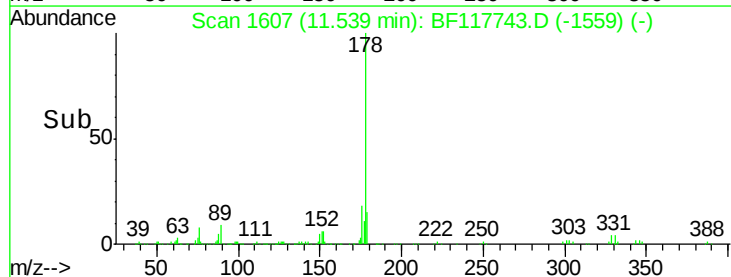
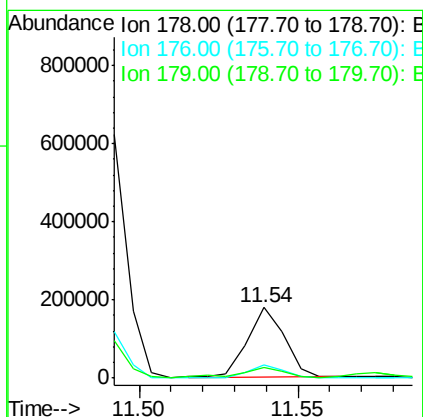
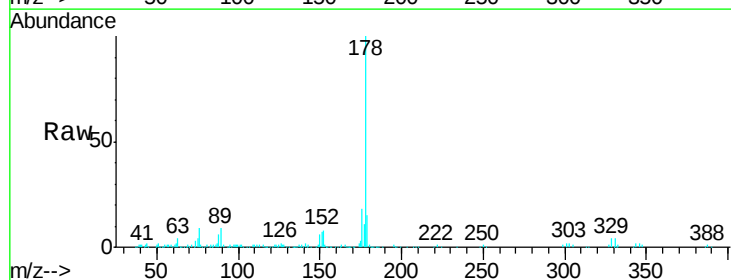
Instrument :
BNA_F
ClientSampleId :
3-C

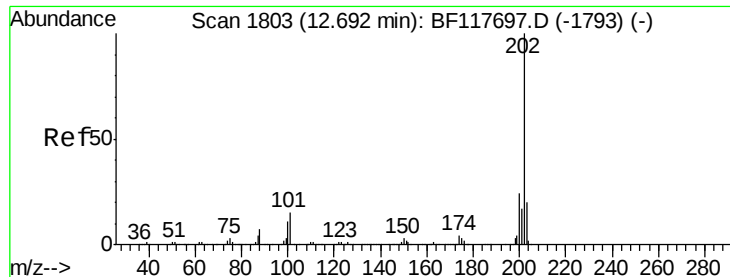
Tgt Ion:178 Resp: 505150
Ion Ratio Lower Upper
178 100
176 19.3 17.7 26.5
179 15.7 13.8 20.8



#72
Anthracene
Concen: 2.273 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.02 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion:178 Resp: 144783
Ion Ratio Lower Upper
178 100
176 18.4 16.6 25.0
179 15.4 13.5 20.3





#75

Fluoranthene

Concen: 22.318 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

Instrument :

BNA_F

ClientSampleId :

3-C

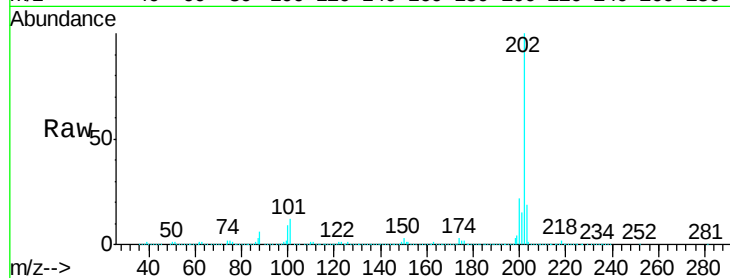
Tgt Ion:202 Resp: 1458842

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.5

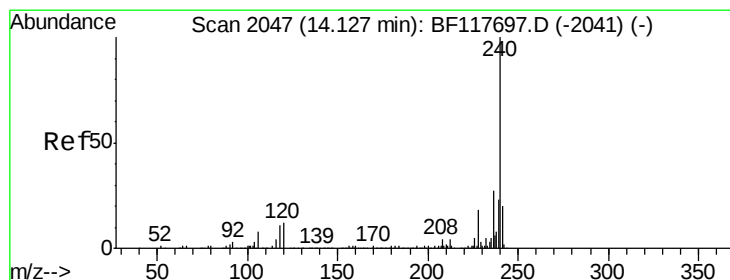
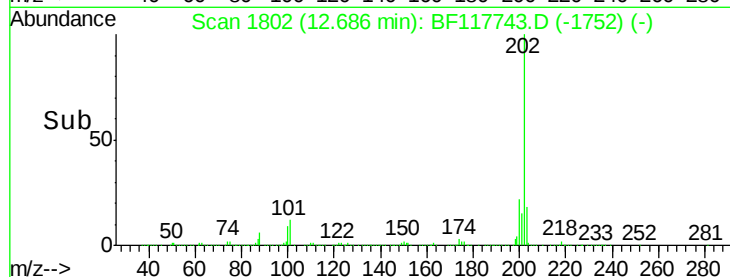
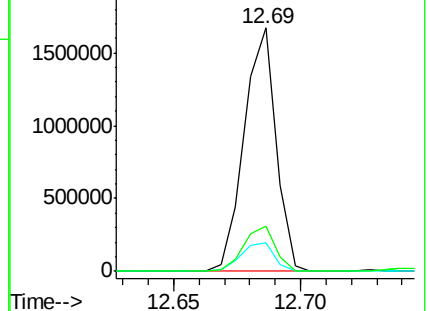
203 18.5 0.0 39.8



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: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

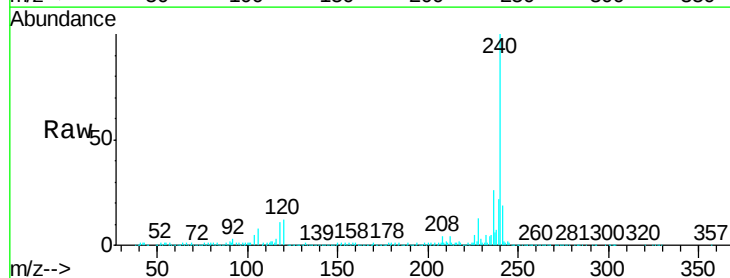
Tgt Ion:240 Resp: 774660

Ion Ratio Lower Upper

240 100

120 11.7 9.7 14.5

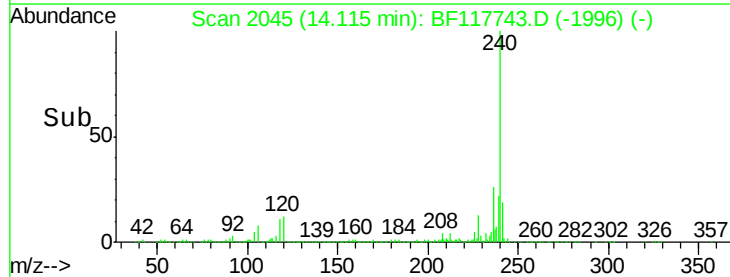
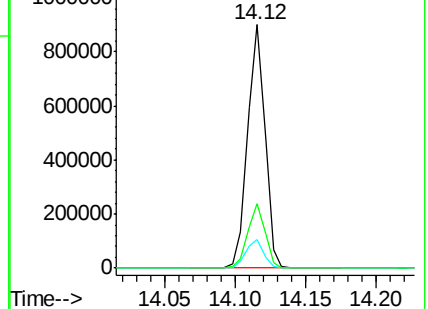
236 26.4 21.9 32.9

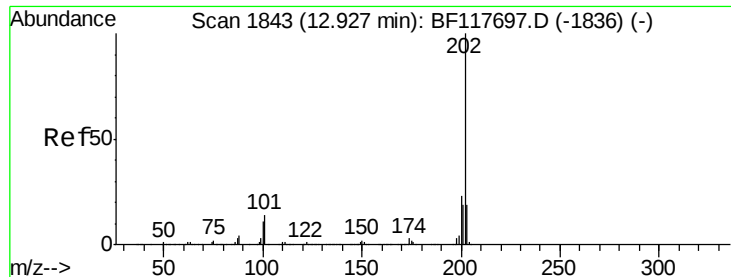


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 23.797 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

Instrument :

BNA_F

ClientSampleId :

3-C

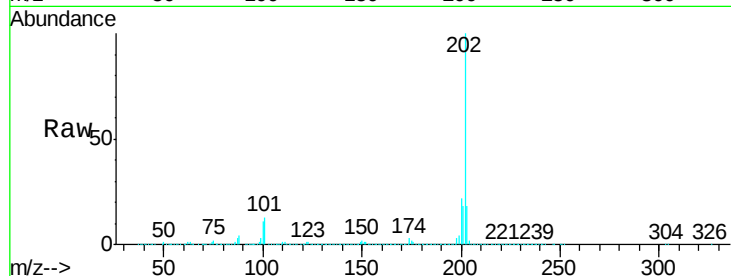
Tgt Ion:202 Resp: 1345734

Ion Ratio Lower Upper

202 100

200 21.8 18.8 28.2

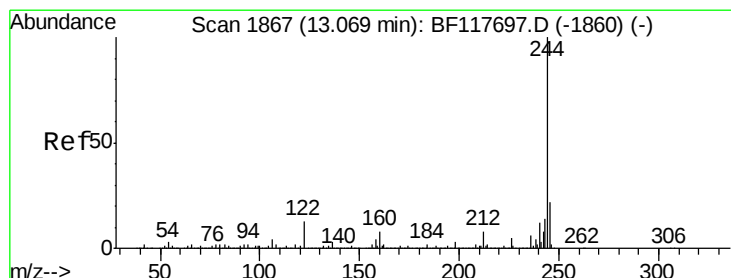
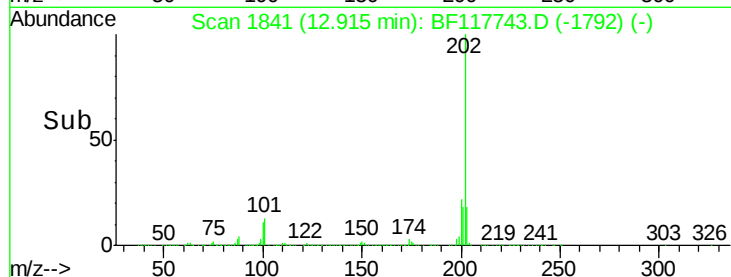
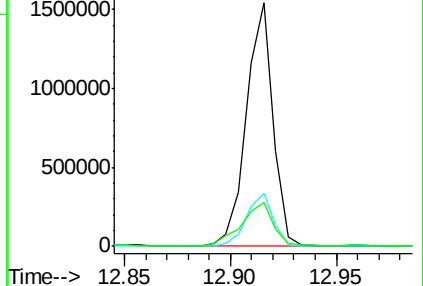
203 18.3 15.2 22.8



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: 81.290 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

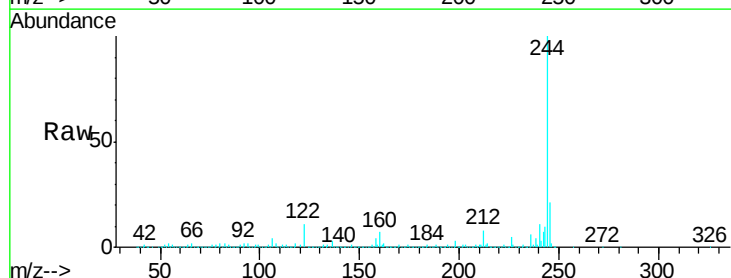
Tgt Ion:244 Resp: 3058986

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

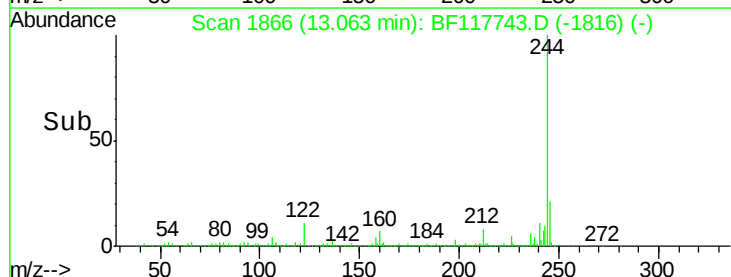
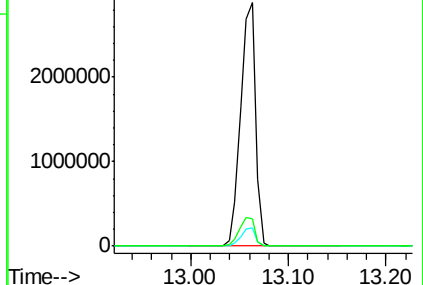
122 11.1 10.0 15.0

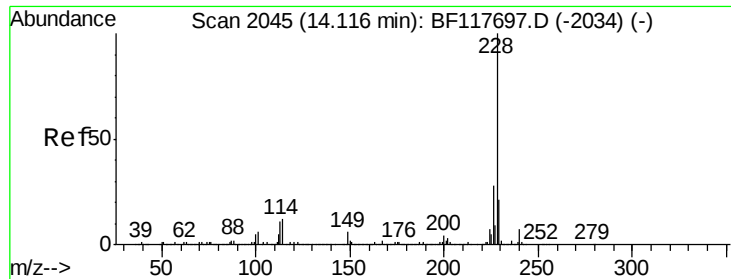


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

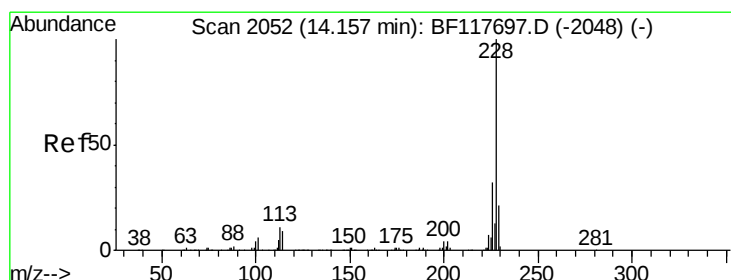
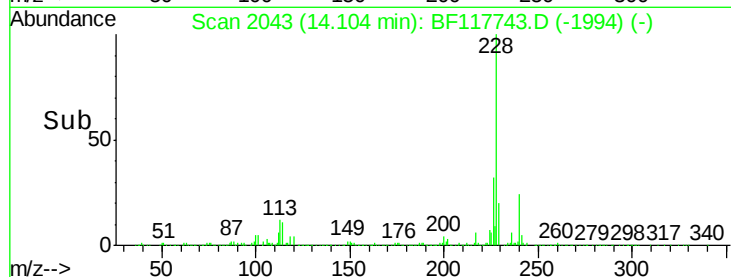
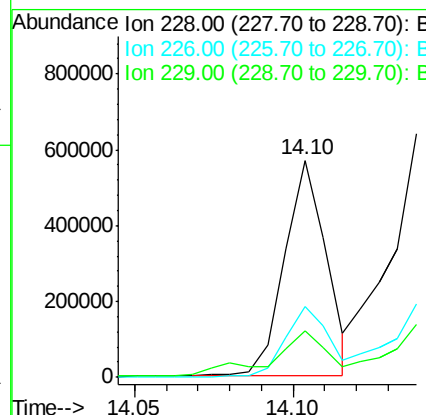
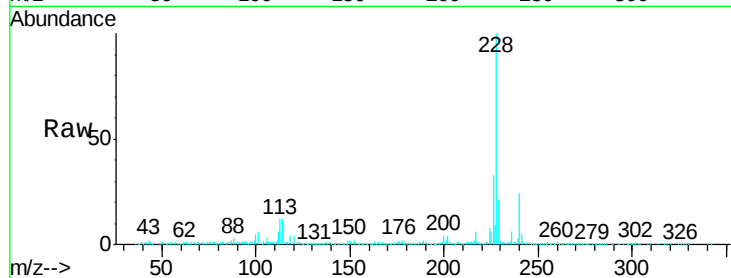




#81
Benzo(a)anthracene
Concen: 10.876 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

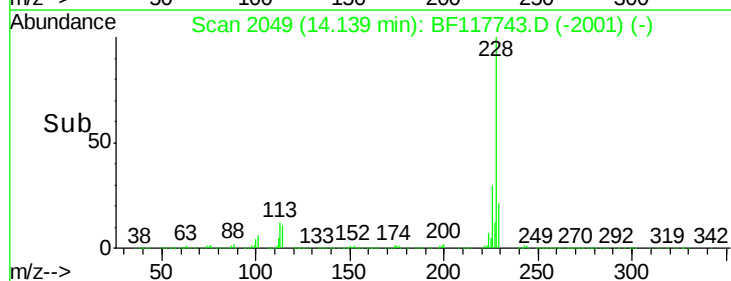
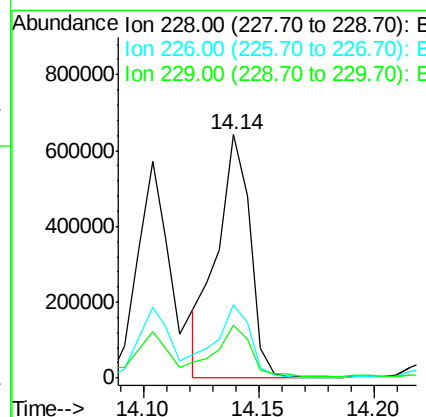
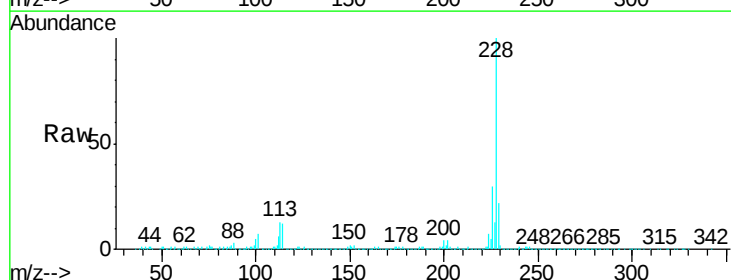
Instrument :
BNA_F
ClientSampleId :
3-C

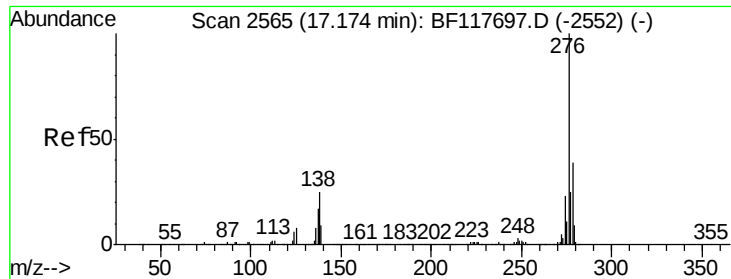
Tgt Ion:228 Resp: 524427
Ion Ratio Lower Upper
228 100
226 32.9 22.8 34.2
229 21.3 16.9 25.3



#83
Chrysene
Concen: 13.282 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion:228 Resp: 632475
Ion Ratio Lower Upper
228 100
226 30.1 25.4 38.2
229 21.9 16.6 24.8

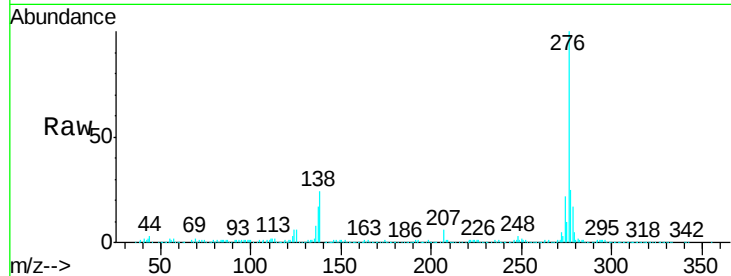




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.903 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. -0.03 min
 Lab File: BF117743.D
 Acq: 8 Nov 2019 20:44

Instrument :
 BNA_F
 ClientSampleId :
 3-C

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	22.4	33.6
277	24.3	20.6	30.8

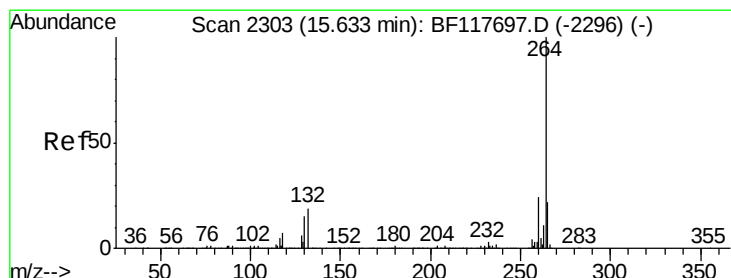
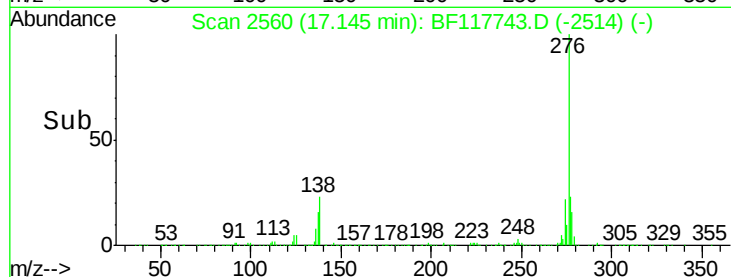
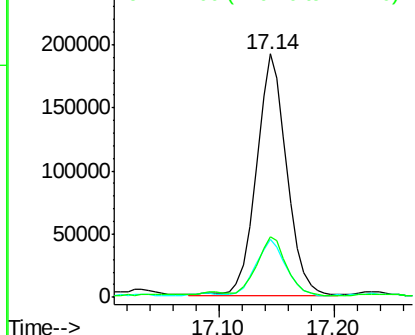


Abundance

Ion 276.00 (275.70 to 276.70): E

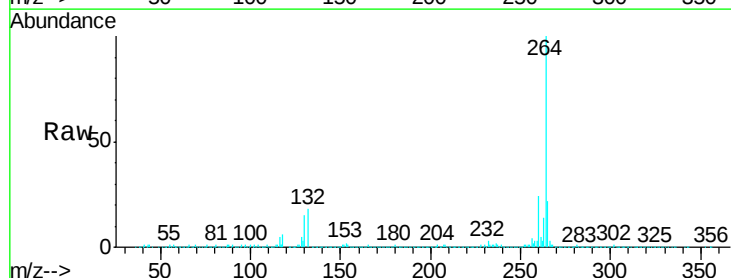
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2302
 Delta R.T. -0.01 min
 Lab File: BF117743.D
 Acq: 8 Nov 2019 20:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	21.9	17.7	26.5

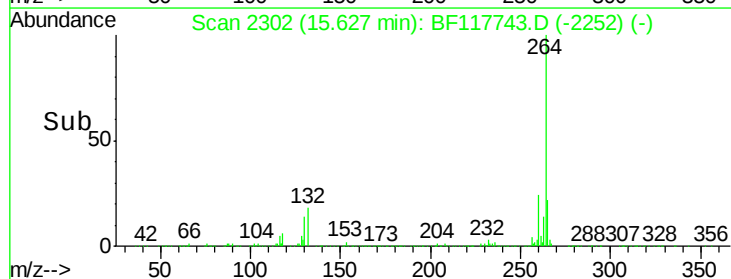
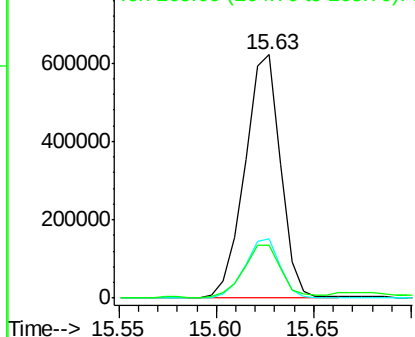


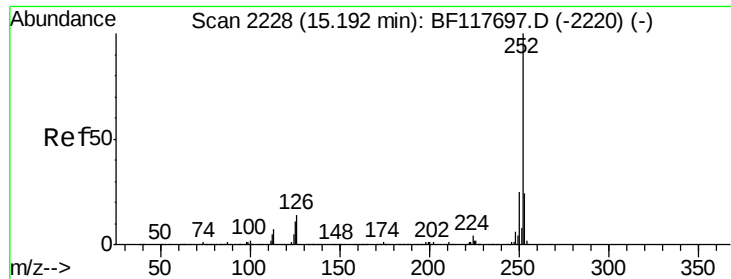
Abundance

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

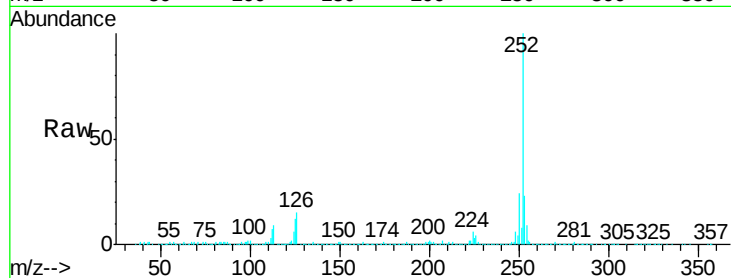




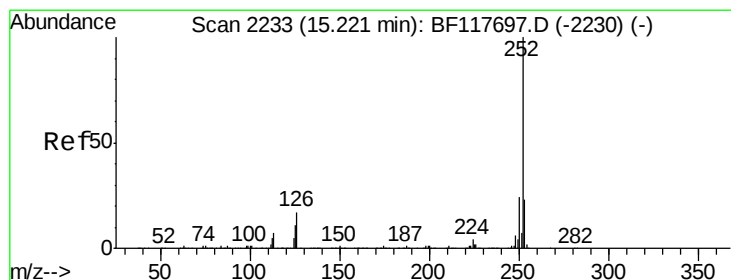
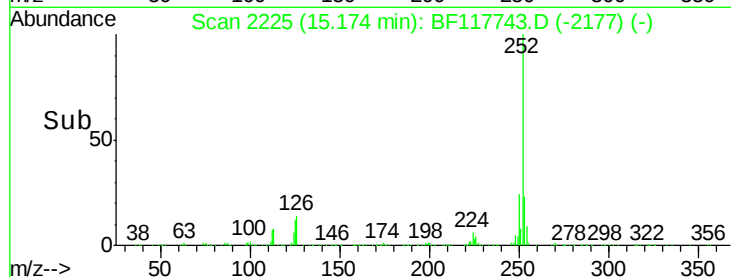
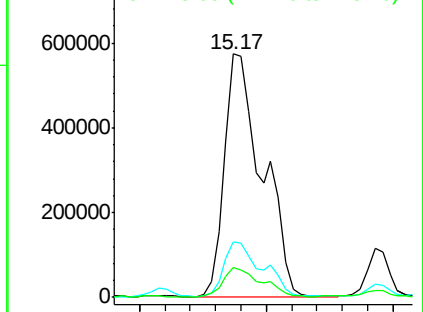
#88
Benzo(b)fluoranthene
Concen: 24.099 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampleId :
3-C

Tgt Ion:252 Resp: 1188789
Ion Ratio Lower Upper
252 100
253 22.8 18.9 28.3
125 12.1 8.5 12.7

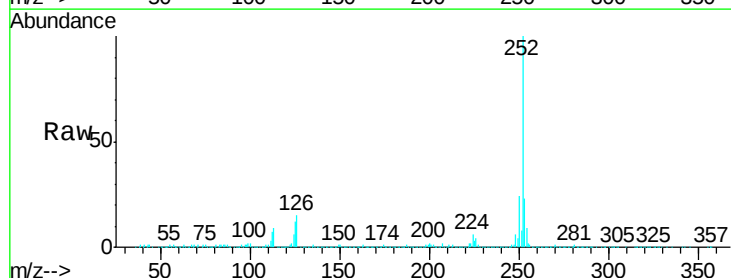


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

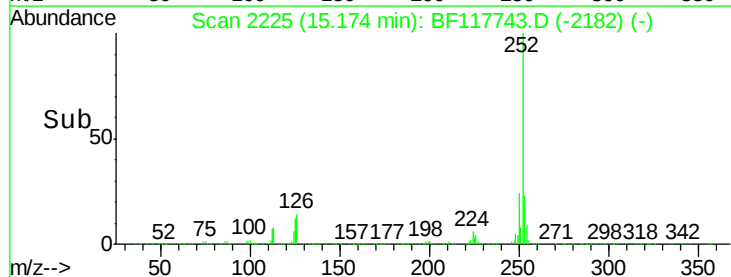
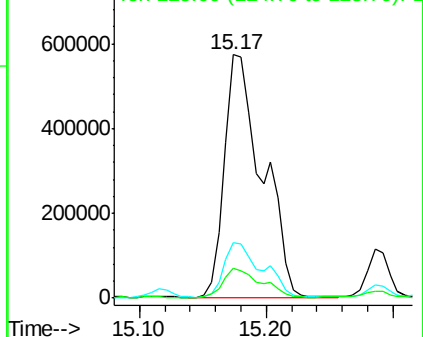


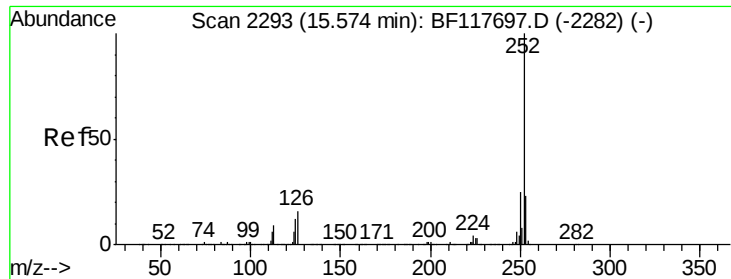
#89
Benzo(k)fluoranthene
Concen: 27.019 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.05 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion:252 Resp: 1188789
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 12.1 9.1 13.7



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: 9.715 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.02 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

Instrument :

BNA_F

ClientSampleId :

3-C

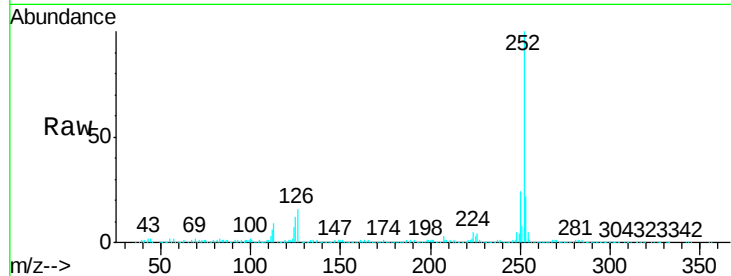
Tgt Ion:252 Resp: 415432

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

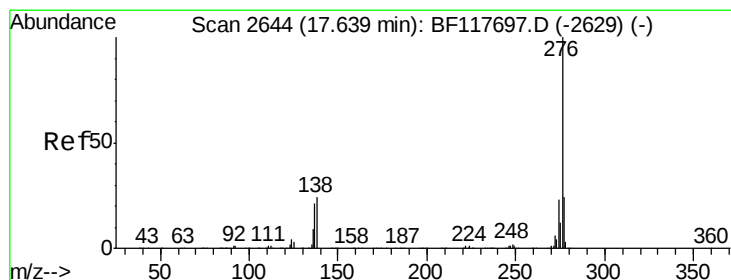
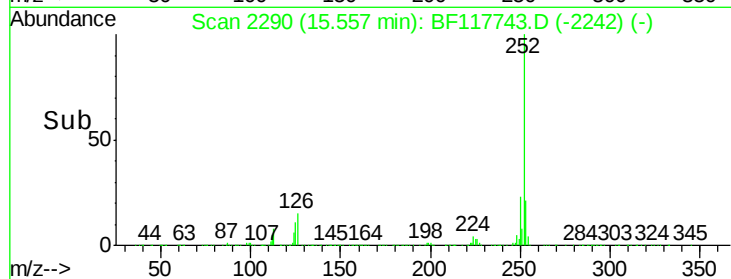
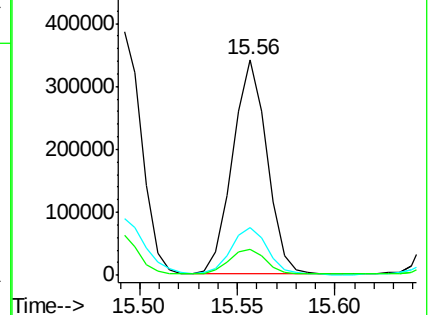
125 12.1 9.5 14.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 8.474 ng

RT: 17.61 min Scan# 2639

Delta R.T. -0.03 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

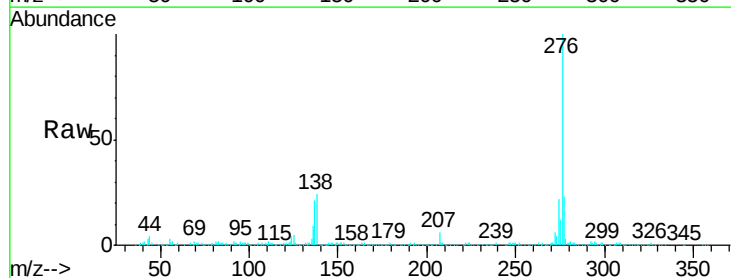
Tgt Ion:276 Resp: 314953

Ion Ratio Lower Upper

276 100

277 22.7 19.4 29.0

138 23.8 19.2 28.8



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

