

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117585.D
 Acq On : 29 Oct 2019 12:44
 Operator : JU
 Sample : K5503-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 01:18:59 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	46180	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	179159	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	77777	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	102648	20.00	ng	0.00
76) Chrysene-d12	13.89	240	83466	20.00	ng	0.00
87) Perylene-d12	15.33	264	81217	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	271434	87.44	ng	0.00
7) Phenol-d6	6.39	99	376591	90.33	ng	0.00
23) Nitrobenzene-d5	7.29	82	222126	61.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	47226	70.18	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	311467	56.42	ng	-0.01
79) Terphenyl-d14	12.83	244	200038	39.09	ng	0.00

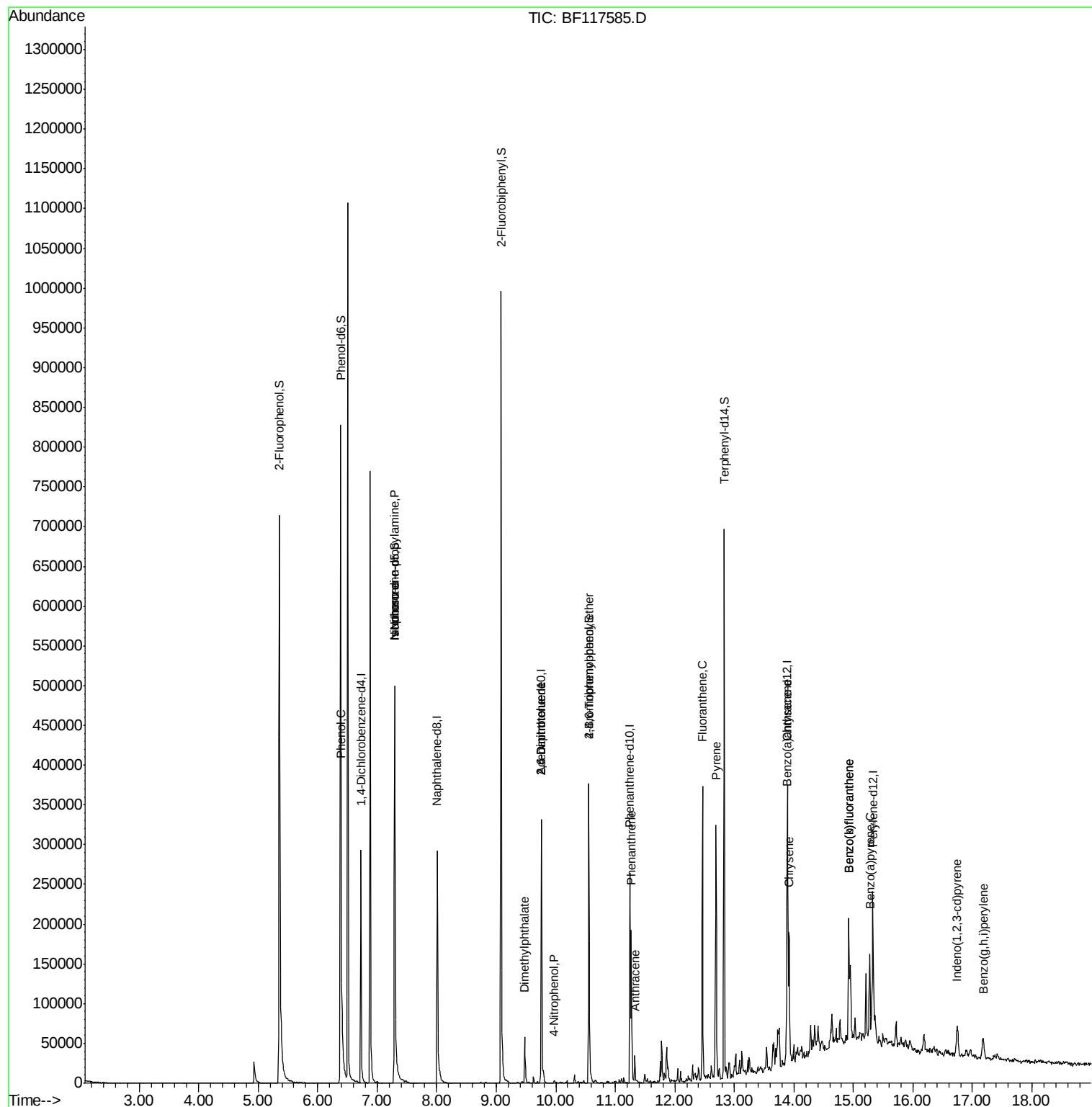
Target Compounds				Qvalue		
9) Benzaldehyde	6.38	77	560	Below Cal	#	3
10) Phenol	6.40	94	11119	2.613	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	29172	11.457	ng	# 83
25) Isophorone	7.29	82	222124	35.381	ng	# 65
50) Dimethylphthalate	9.48	163	27943	5.040	ng	96
51) 2,6-Dinitrotoluene	9.76	165	9616	8.311	ng	# 22
56) 4-Nitrophenol	9.98	139	899	5.450	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	9616	6.251	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	3006	2.719	ng	# 1
71) Phenanthrene	11.27	178	78237	13.126	ng	100
72) Anthracene	11.33	178	18428	3.013	ng	99
75) Fluoranthene	12.46	202	144187	24.165	ng	97
77) Benzidine	12.83	184	2639	Below Cal	#	92
78) Pyrene	12.69	202	129320	18.038	ng	99
81) Benzo(a)anthracene	13.88	228	69108	12.275	ng	98
83) Chrysene	13.92	228	63865	11.574	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	24883	6.040	ng	97
88) Benzo(b)fluoranthene	14.92	252	104074	21.700	ng	99
89) Benzo(k)fluoranthene	14.92	252	104074	21.172	ng	# 97
90) Benzo(a)pyrene	15.27	252	50872	11.667	ng	# 94
92) Benzo(a,h,i)perylene	17.17	276	22438	6.290	ng	# 92

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

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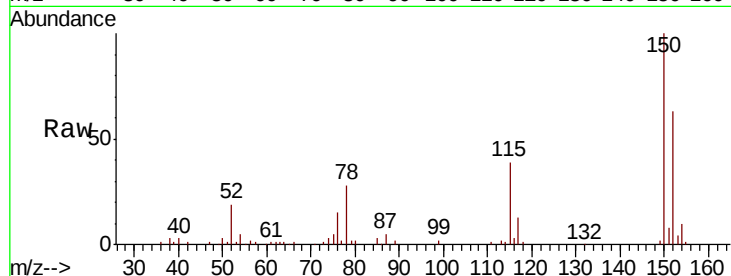


#1

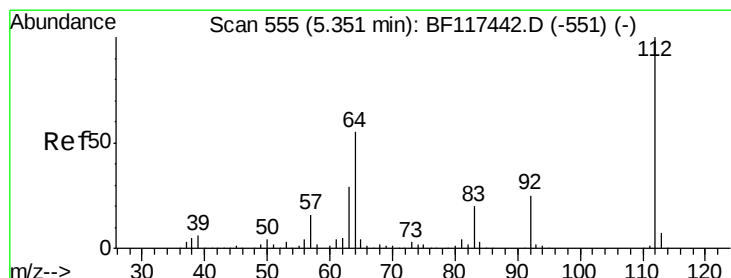
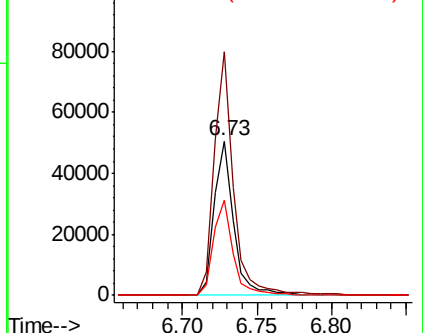
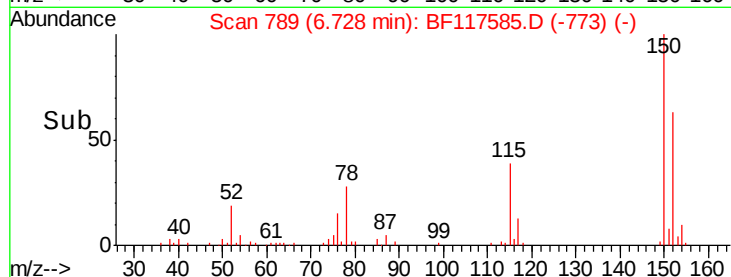
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 46180
Ion Ratio Lower Upper
152 100
150 157.7 126.8 190.2
115 61.8 51.6 77.4



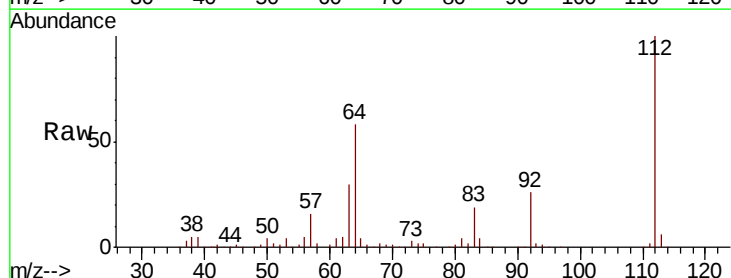
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



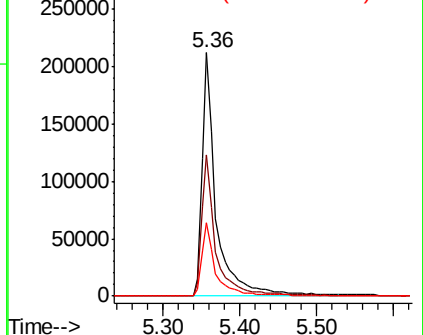
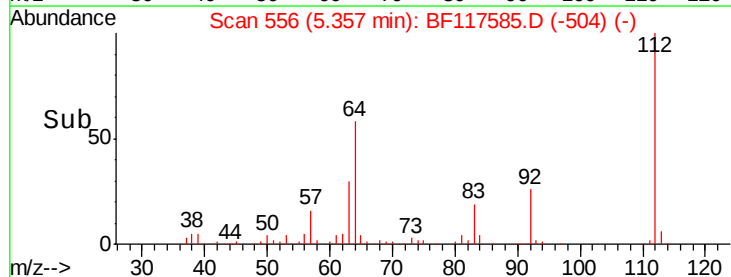
#5

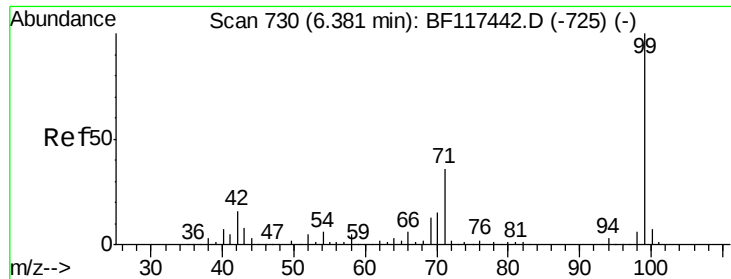
2-Fluorophenol
Concen: 87.443 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion:112 Resp: 271434
Ion Ratio Lower Upper
112 100
64 58.0 44.1 66.1
63 30.1 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: 90.328 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117585.D

Acq: 29 Oct 2019 12:44

Instrument :

BNA_F

ClientSampleId :

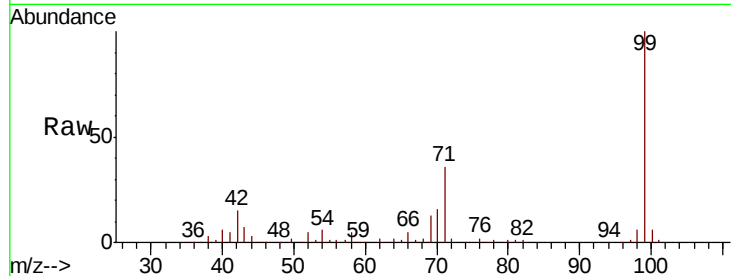
Tot Ion: 99 Resp: 376591

Ion Ratio Lower Upper

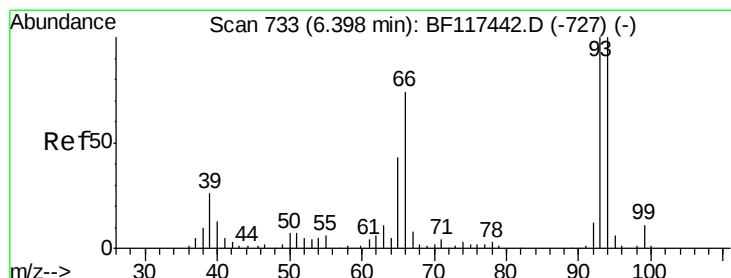
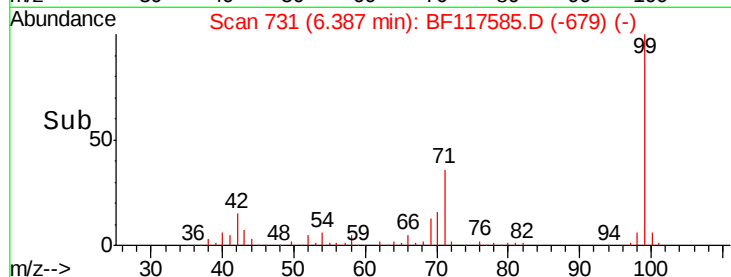
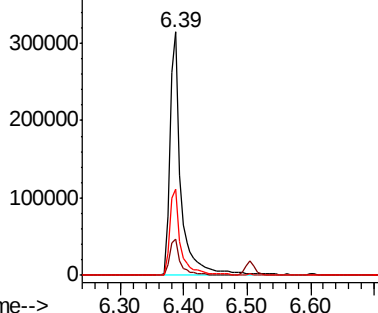
99 100

42 14.8 12.8 19.2

71 35.6 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: 2.613 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF117585.D

Acq: 29 Oct 2019 12:44

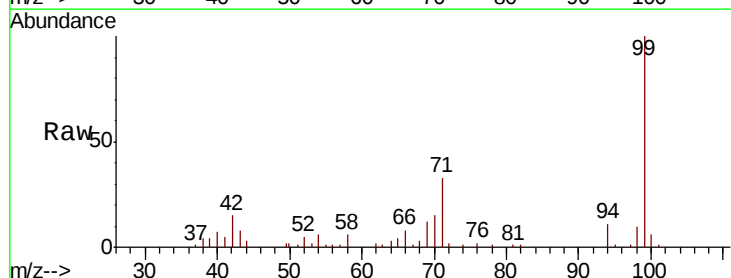
Tgt Ion: 94 Resp: 11119

Ion Ratio Lower Upper

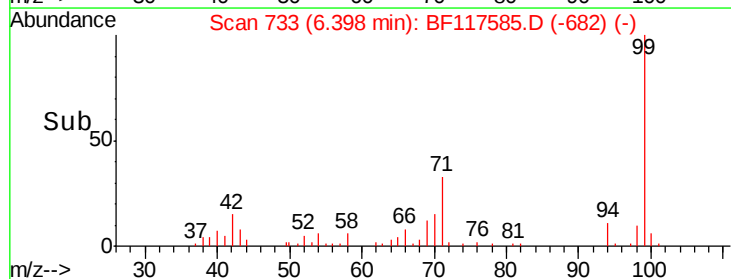
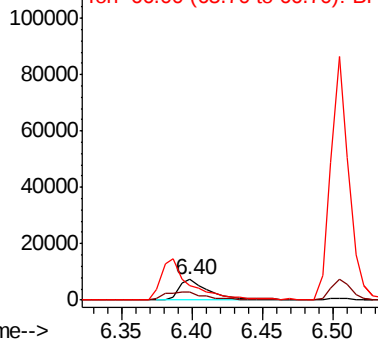
94 100

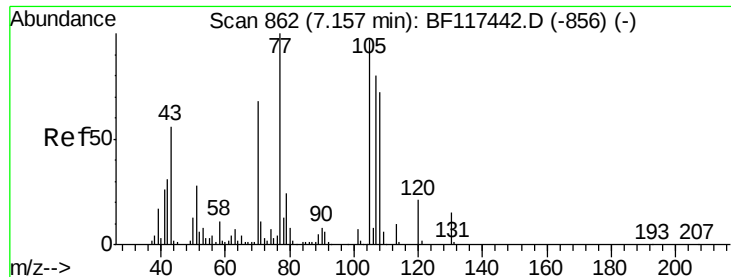
65 36.6 23.4 63.4

66 72.4 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

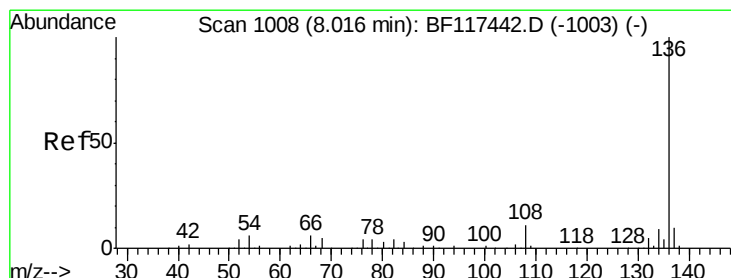
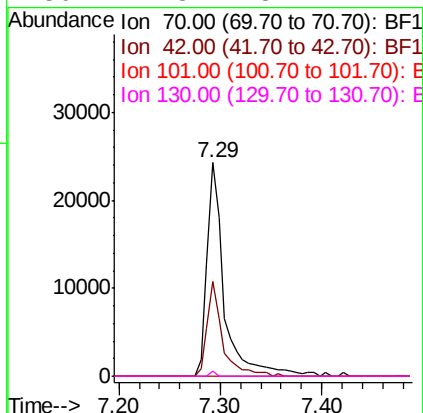
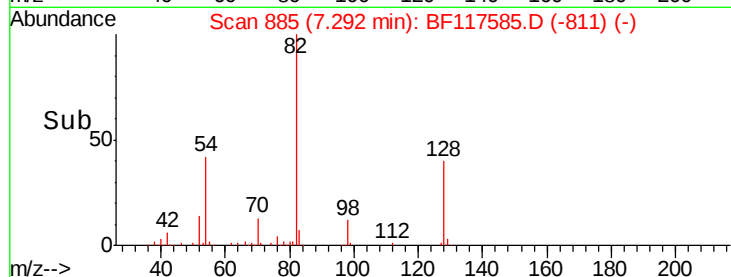
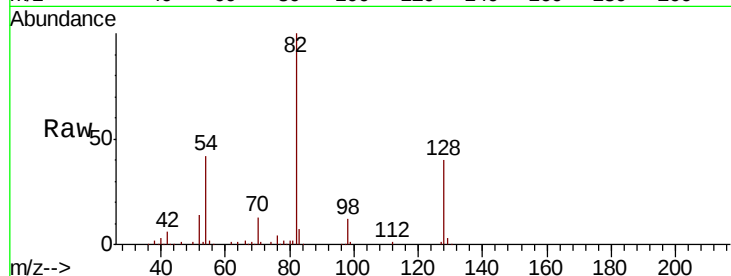




#19
n-Nitroso-di-n-propylamine
Concen: 11.457 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

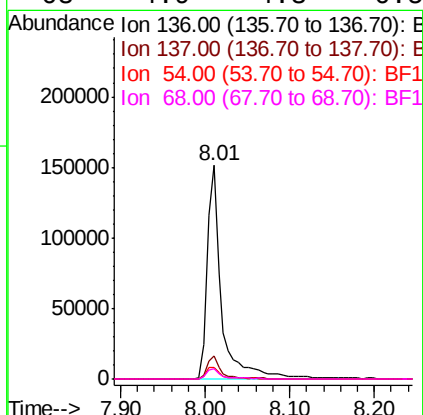
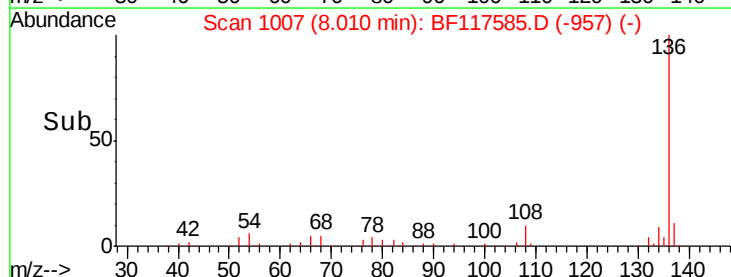
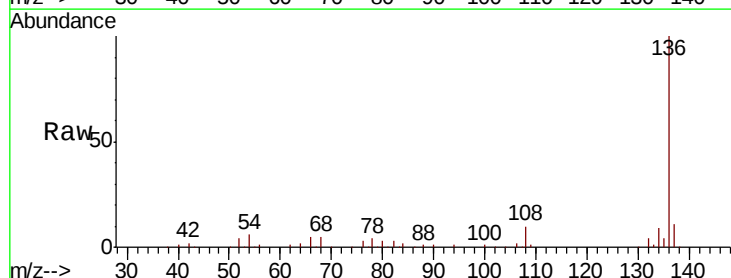
Instrument :
BNA_F
ClientSampleId :

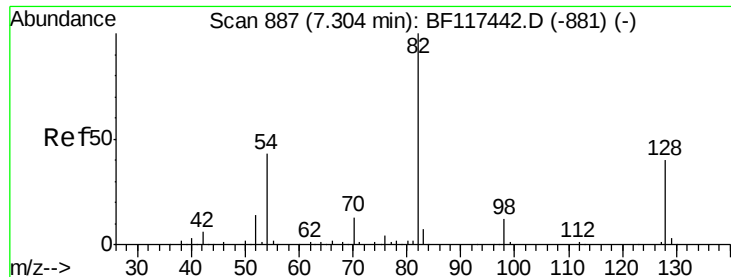
Tot Ion: 70 Resp: 29172
Ion Ratio Lower Upper
70 100
42 44.3 36.7 55.1
101 0.0 8.3 12.5#
130 2.3 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion:136 Resp: 179159
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 5.6 4.5 6.7
68 4.9 4.3 6.5

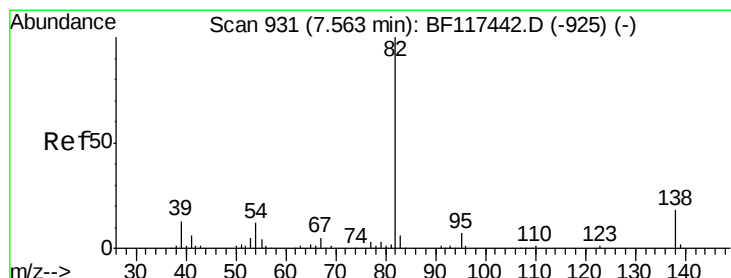
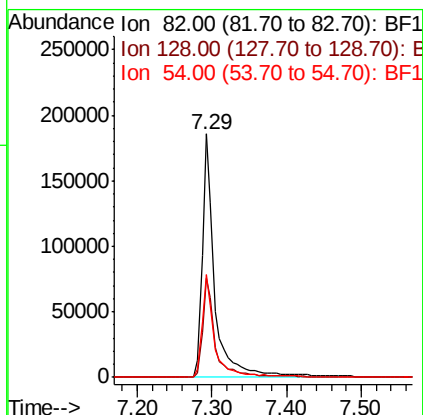
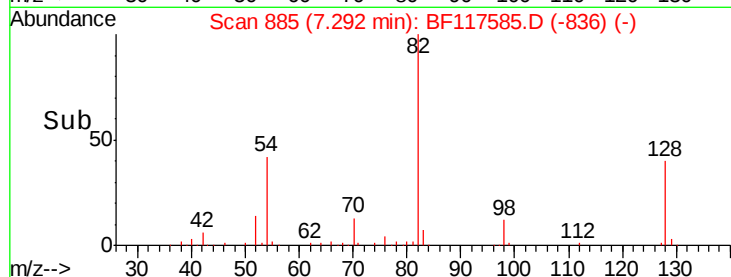
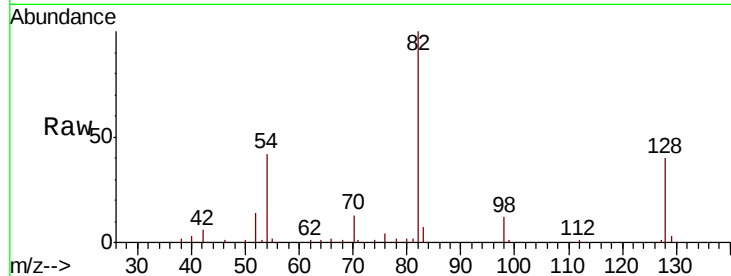




#23
Nitrobenzene-d5
Concen: 61.208 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

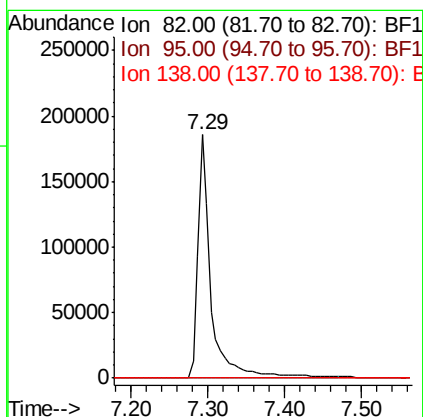
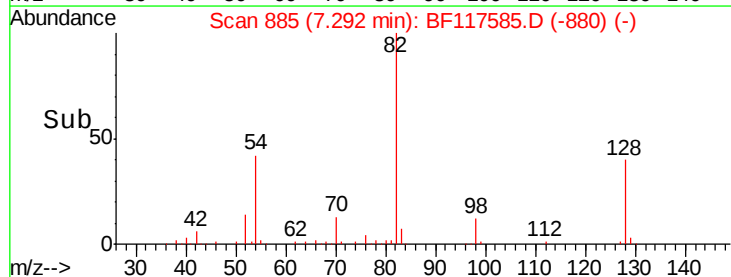
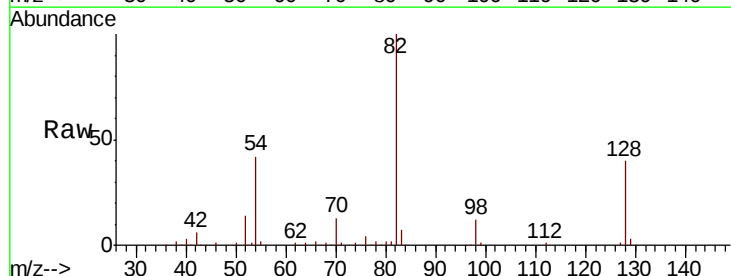
Instrument :
BNA_F
ClientSampled :

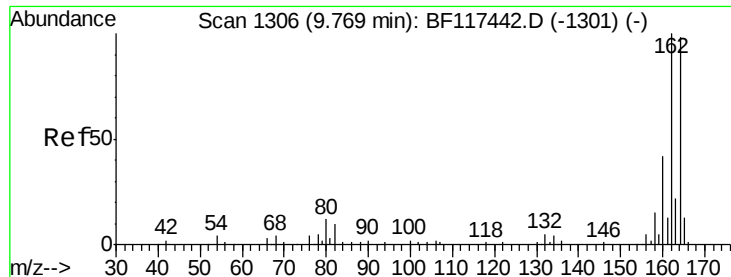
Tot Ion	82	Resp	222126
Ion Ratio	100	Lower	Upper
128	40.4	32.2	48.2
54	42.4	34.2	51.2



#25
Isophorone
Concen: 35.381 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion	82	Resp	222124
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

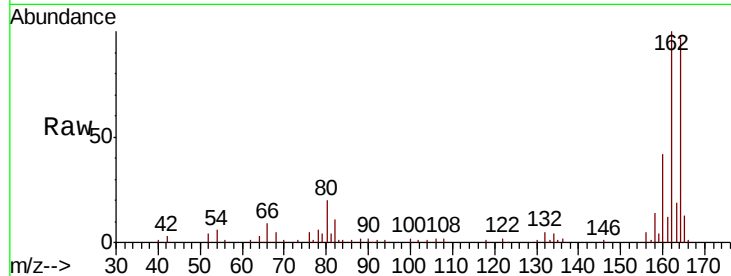




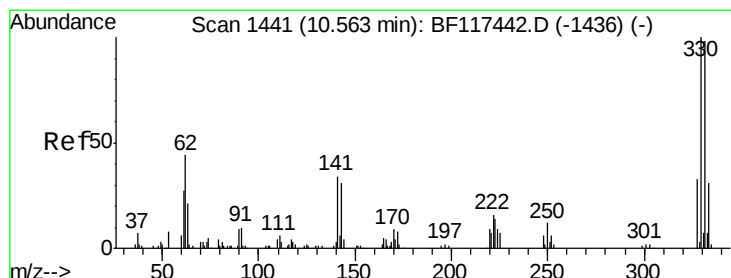
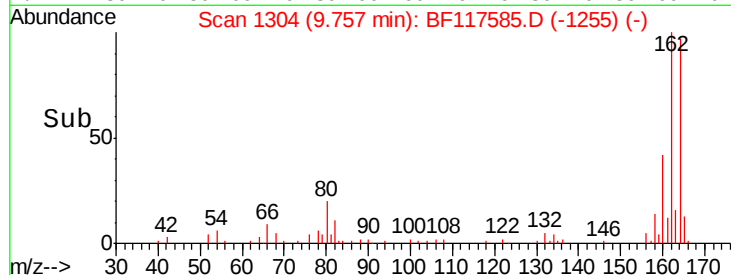
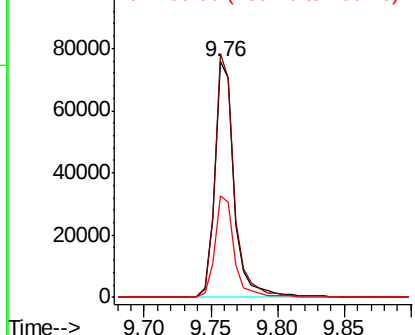
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 77777
Ion Ratio Lower Upper
164 100
162 103.4 81.8 122.6
160 43.0 34.4 51.6

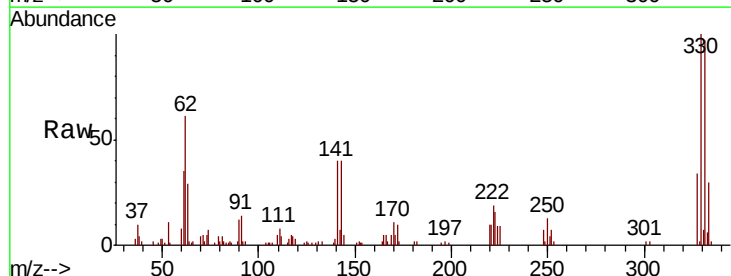


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

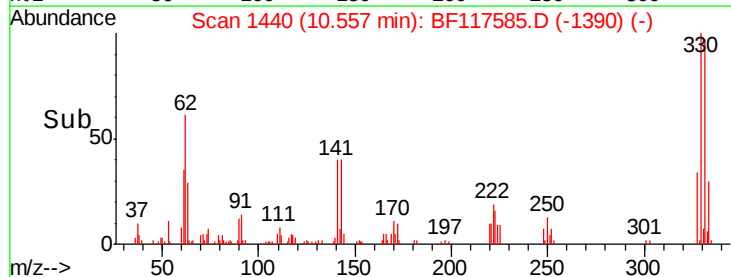
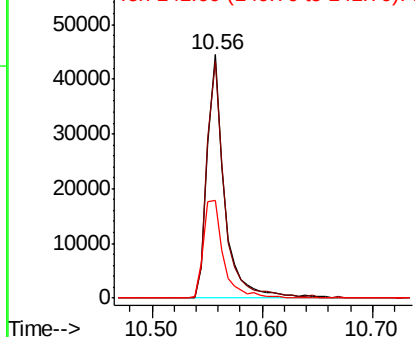


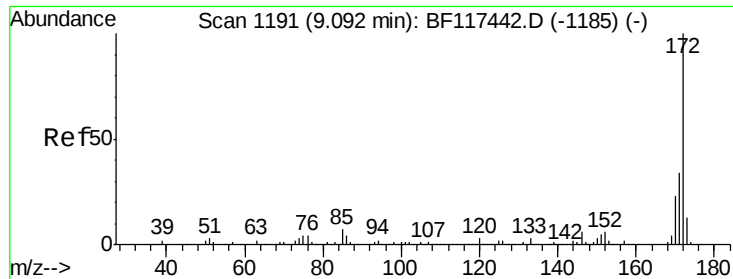
#42
2,4,6-Tribromophenol
Concen: 70.175 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion:330 Resp: 47226
Ion Ratio Lower Upper
330 100
332 98.5 78.5 117.7
141 45.8 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

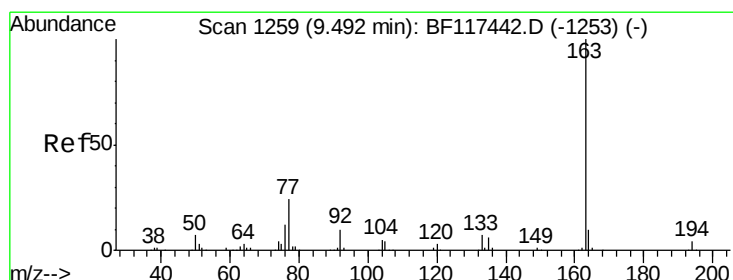
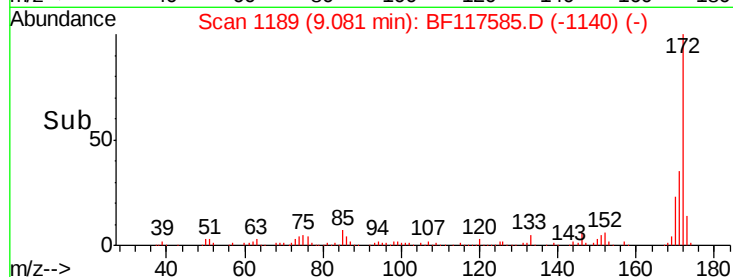
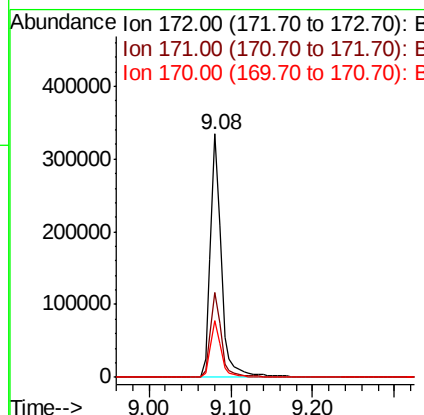
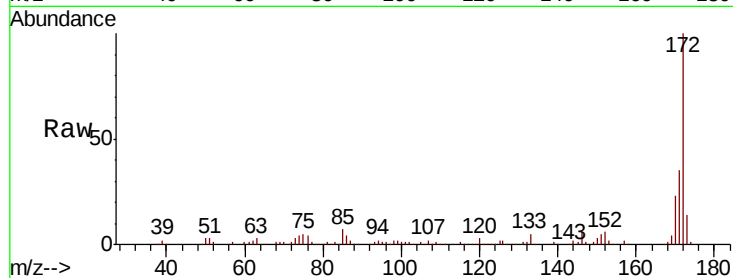




#45
2-Fluorobiphenyl
Concen: 56.425 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

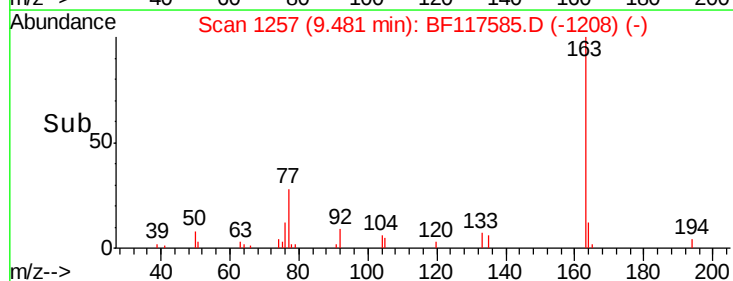
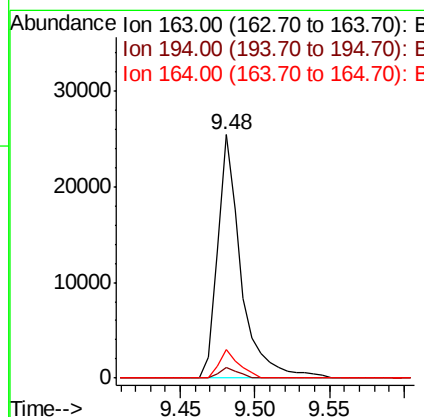
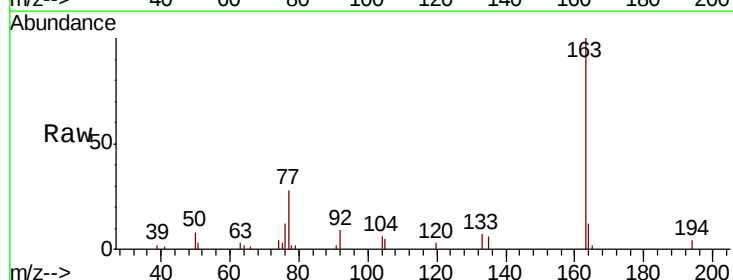
Instrument :
BNA_F
ClientSampleId :

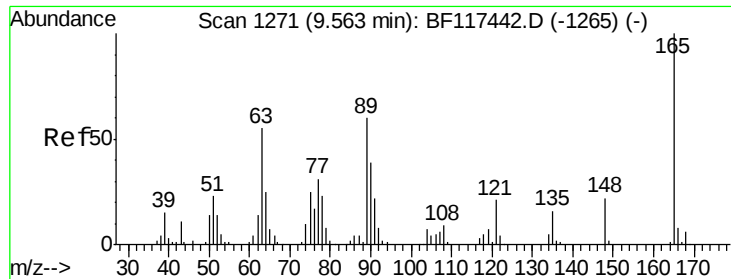
Tot Ion:172 Resp: 311467
Ion Ratio Lower Upper
172 100
171 34.9 27.5 41.3
170 23.2 18.6 27.8



#50
Dimethylphthalate
Concen: 5.040 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion:163 Resp: 27943
Ion Ratio Lower Upper
163 100
194 4.3 2.9 4.3
164 11.7 8.2 12.2

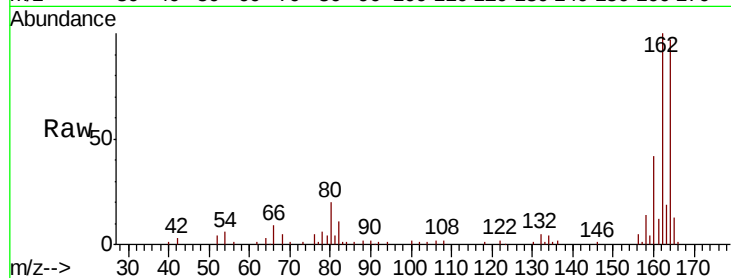




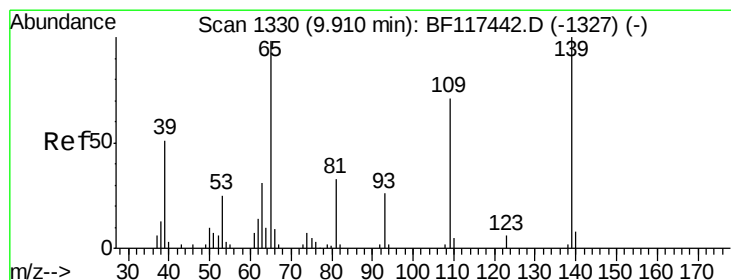
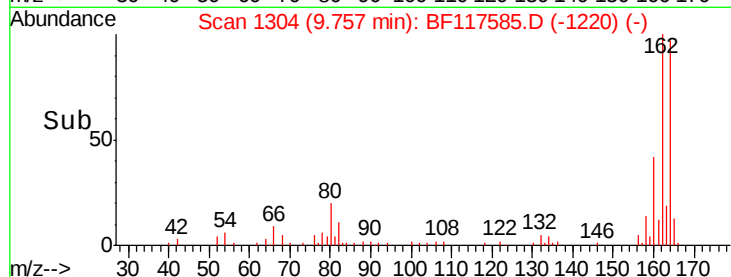
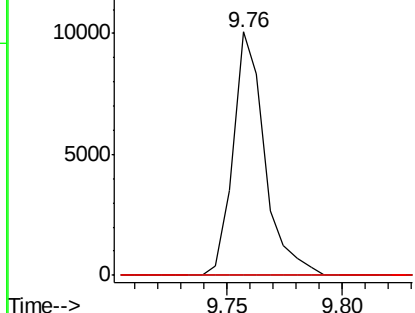
#51
 2,6-Dinitrotoluene
 Concen: 8.311 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.19 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#

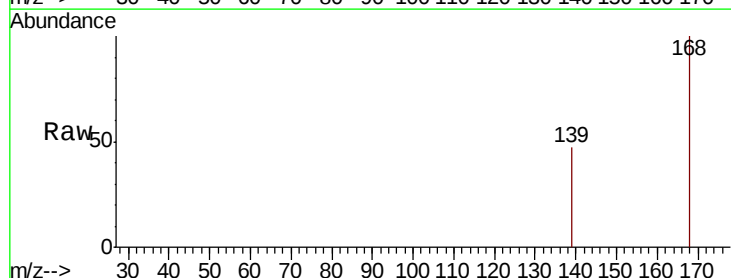


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

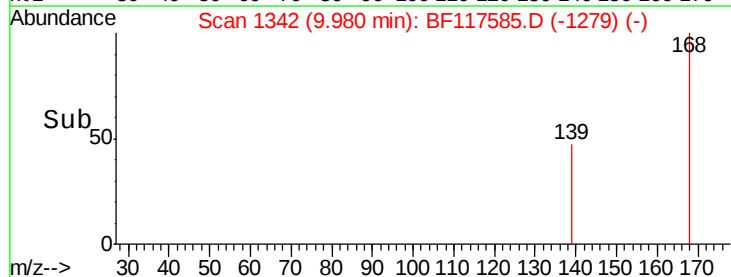
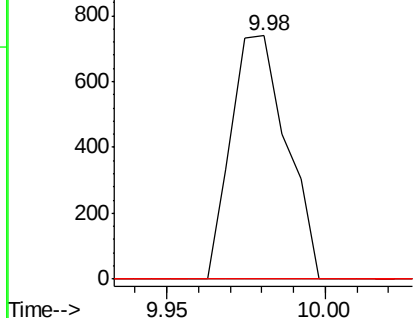


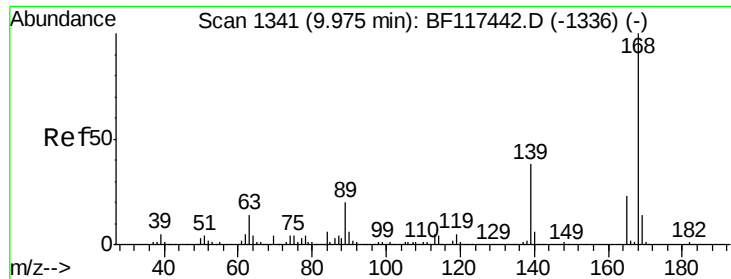
#56
 4-Nitrophenol
 Concen: 5.450 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.07 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

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



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

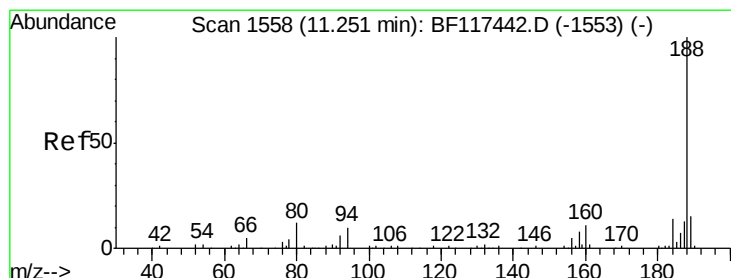
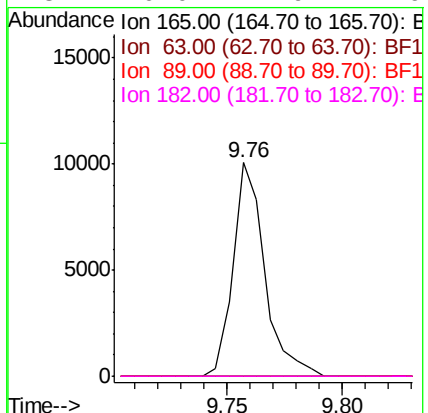
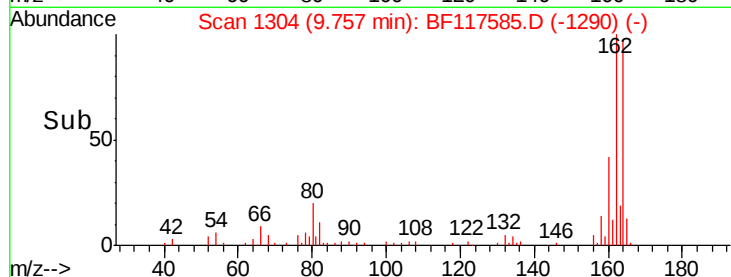
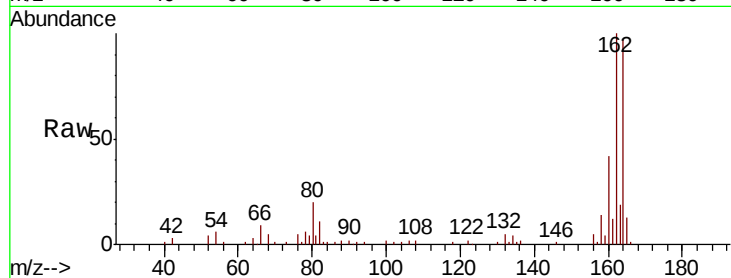




#57
 2,4-Dinitrotoluene
 Concen: 6.251 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

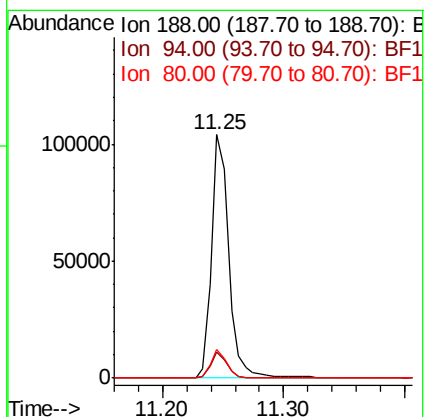
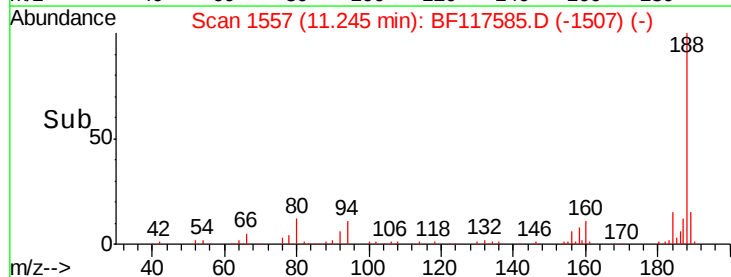
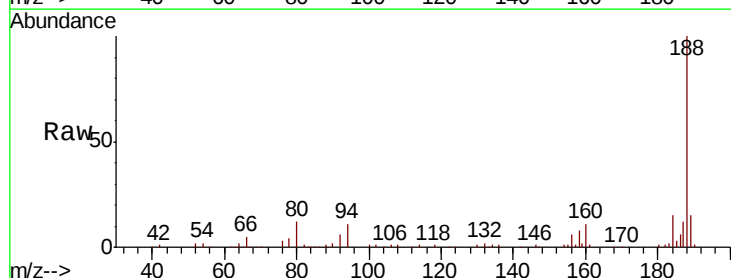
Instrument :
 BNA_F
 ClientSampleId :

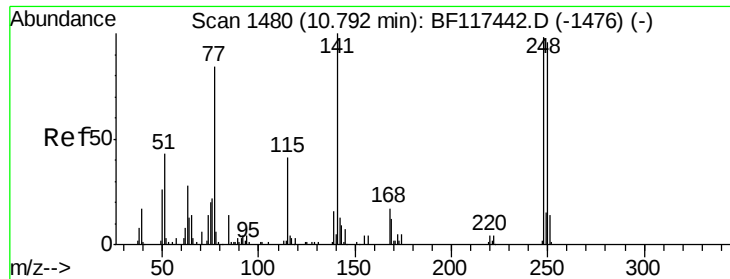
Tot Ion:165 Resp: 9616
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

Tgt Ion:188 Resp: 102648
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.0 12.0
 80 11.7 9.5 14.3

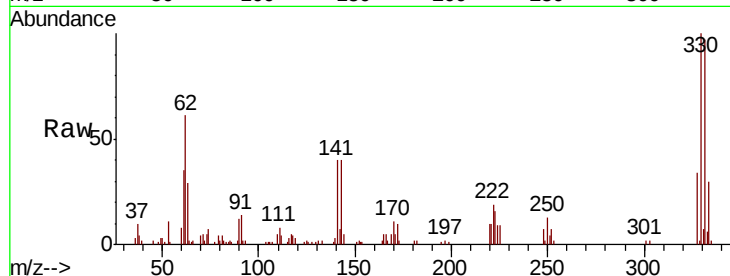




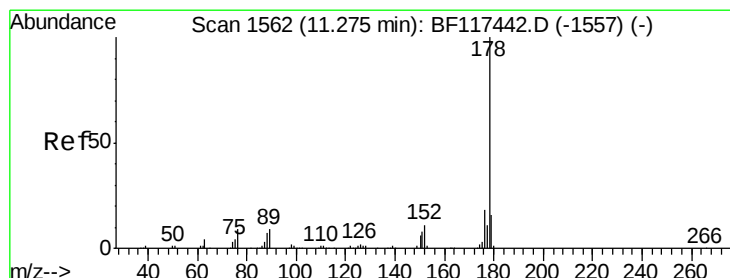
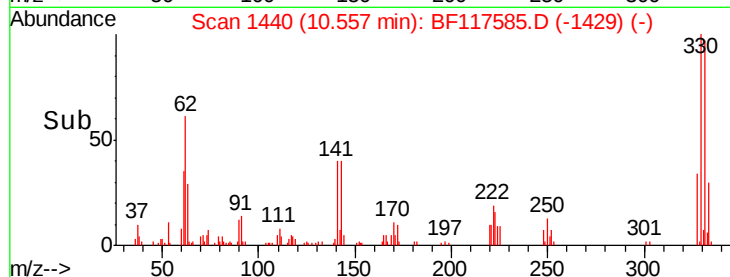
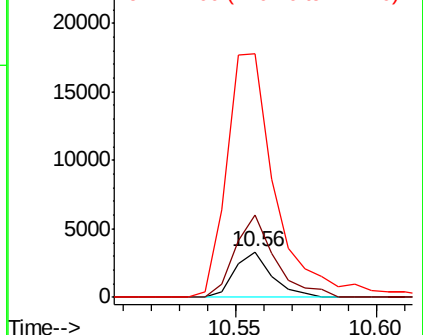
#67
 4-Bromophenyl-phenylether
 Concen: 2.719 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 3006
 Ion Ratio Lower Upper
 248 100
 250 181.5 78.0 117.0#
 141 538.1 81.7 122.5#

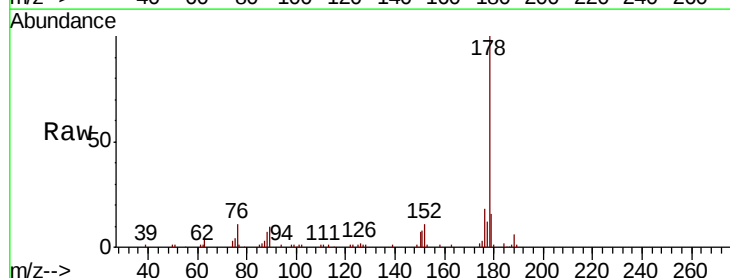


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

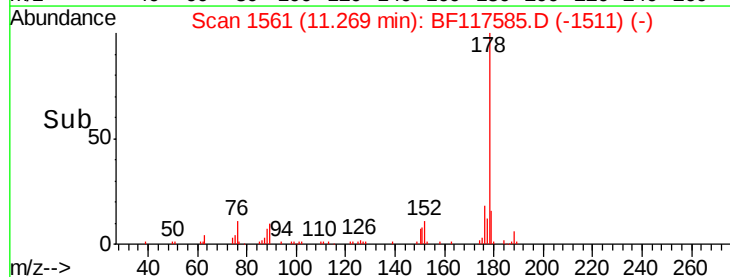
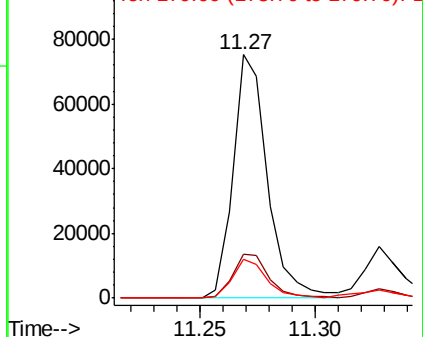


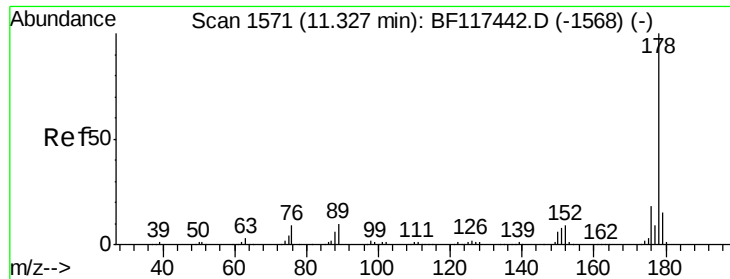
#71
 Phenanthrene
 Concen: 13.126 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

Tgt Ion:178 Resp: 78237
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.6 22.0
 179 15.8 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: 3.013 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117585.D

Acq: 29 Oct 2019 12:44

Instrument :

BNA_F

ClientSampleId :

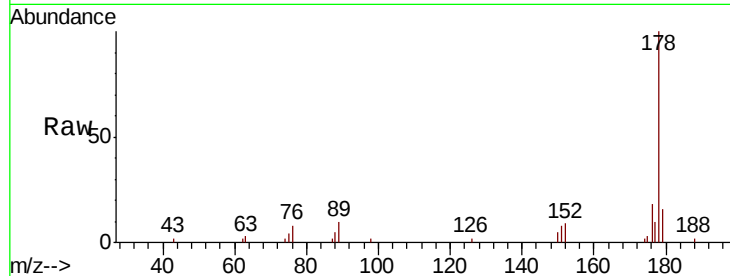
Tot Ion:178 Resp: 18428

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

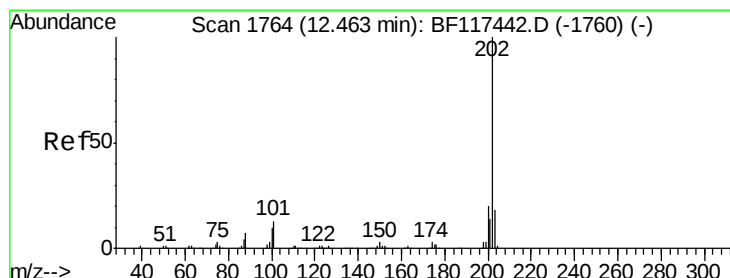
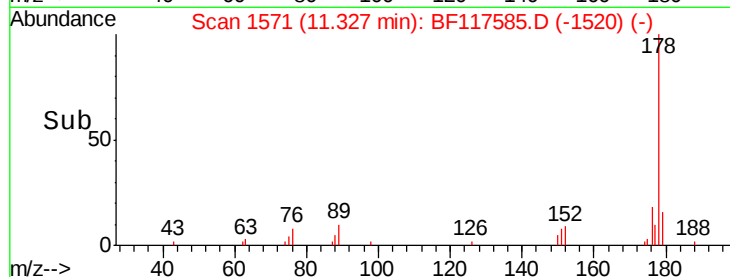
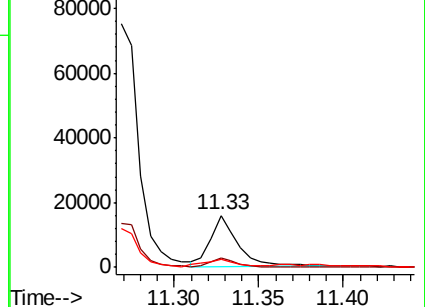
179 16.2 12.2 18.2



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: 24.165 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117585.D

Acq: 29 Oct 2019 12:44

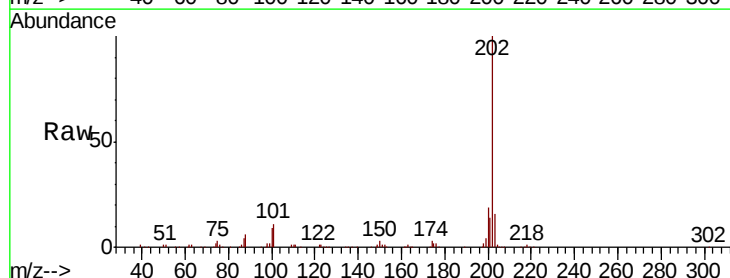
Tgt Ion:202 Resp: 144187

Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.7

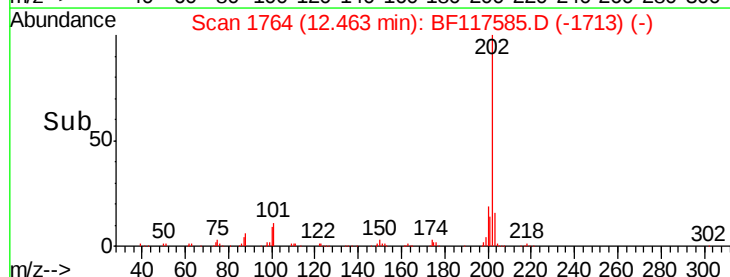
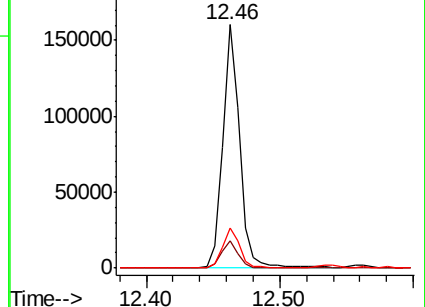
203 16.4 0.0 37.6

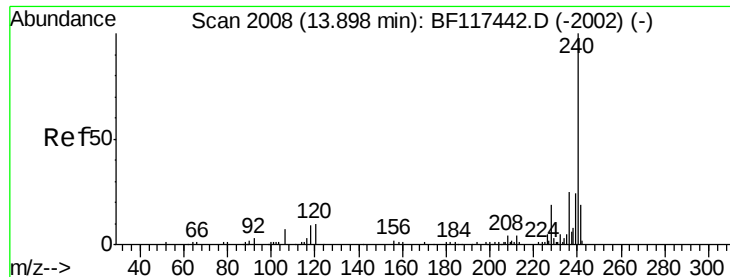


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF117585.D

Acq: 29 Oct 2019 12:44

Instrument :

BNA_F

ClientSampleId :

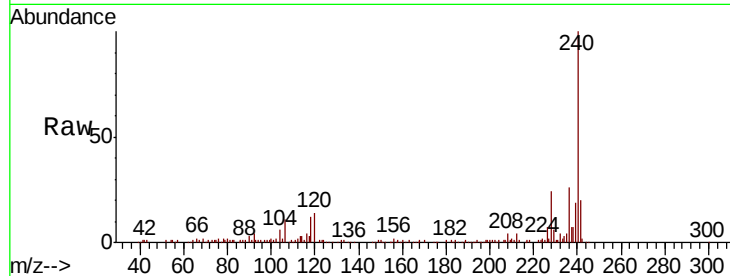
Tot Ion:240 Resp: 83466

Ion Ratio Lower Upper

240 100

120 13.6 8.4 12.6#

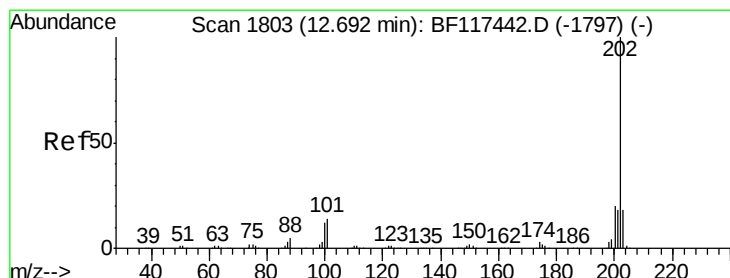
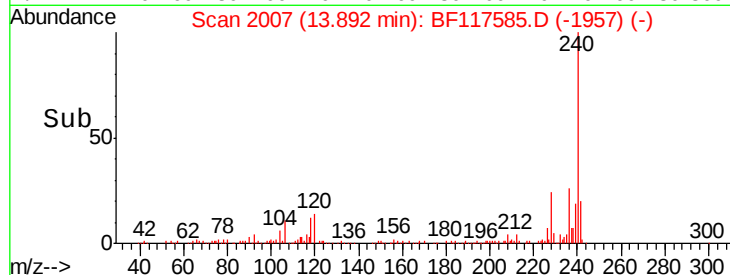
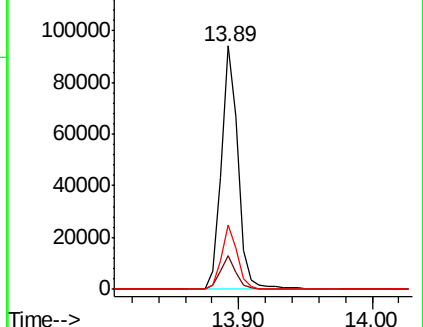
236 26.2 20.0 30.0



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: 18.038 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF117585.D

Acq: 29 Oct 2019 12:44

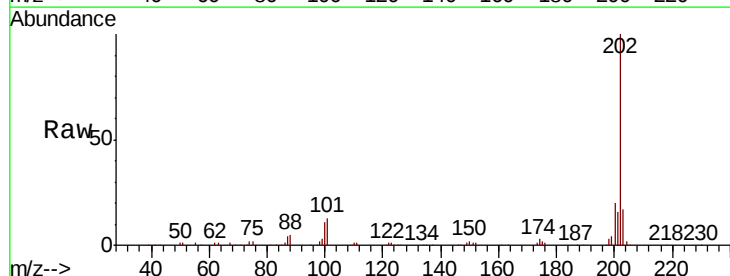
Tgt Ion:202 Resp: 129320

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.2

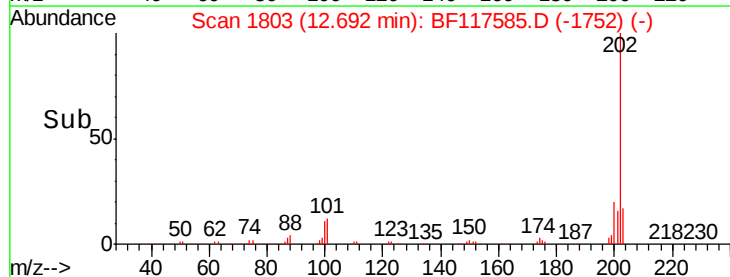
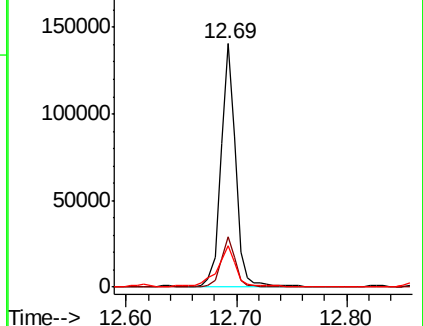
203 17.1 14.0 21.0

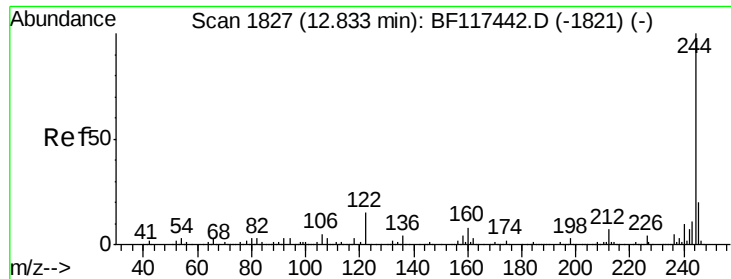


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

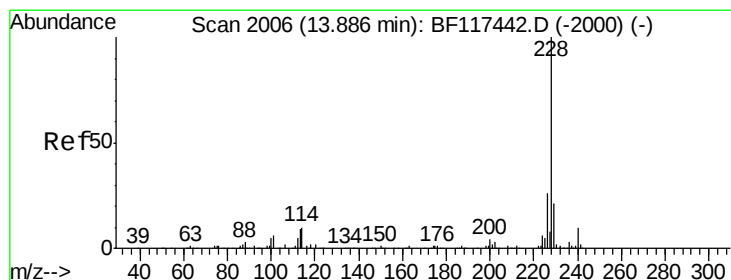
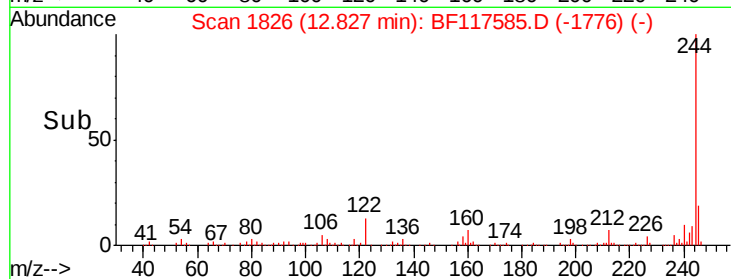
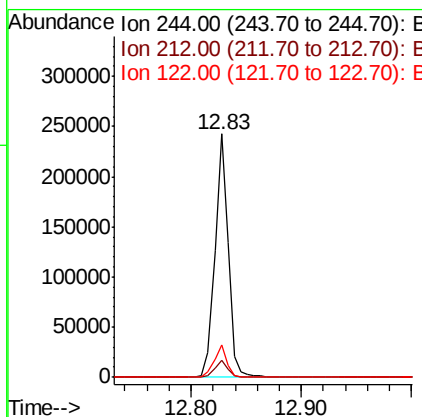
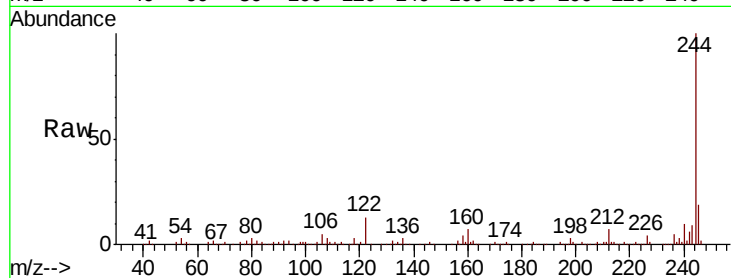




#79
 Terphenyl-d14
 Concen: 39.092 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

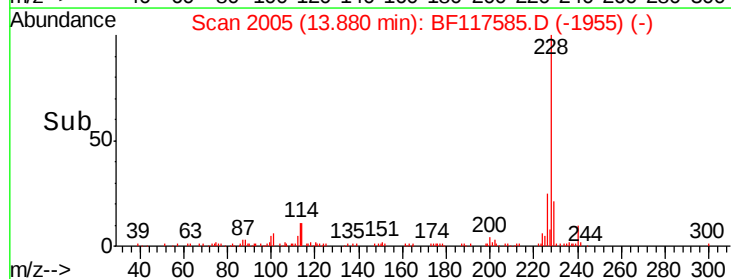
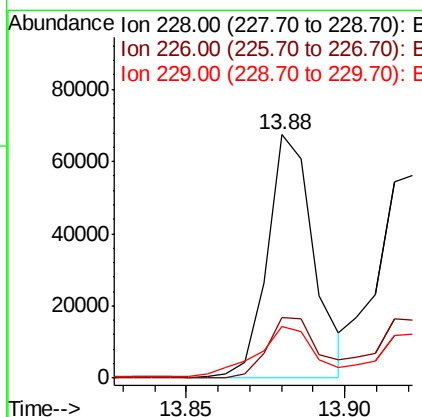
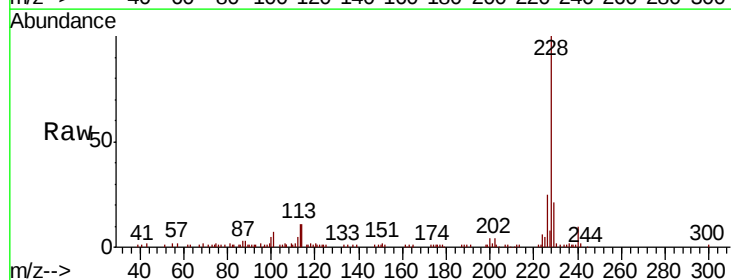
Instrument :
 BNA_F
 ClientSampleId :

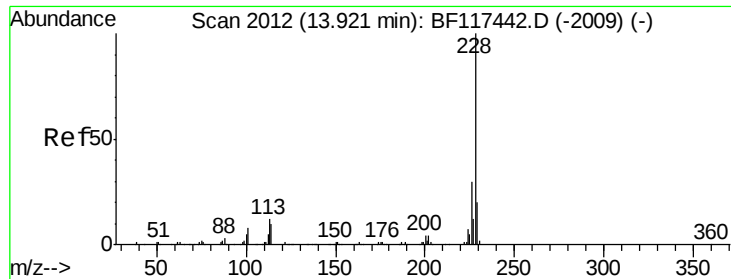
Tot Ion:244 Resp: 200038
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 13.3 11.8 17.8



#81
 Benzo(a)anthracene
 Concen: 12.275 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

Tgt Ion:228 Resp: 69108
 Ion Ratio Lower Upper
 228 100
 226 24.9 21.0 31.4
 229 21.3 16.4 24.6

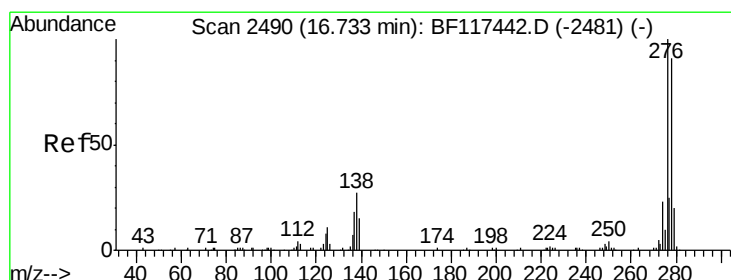
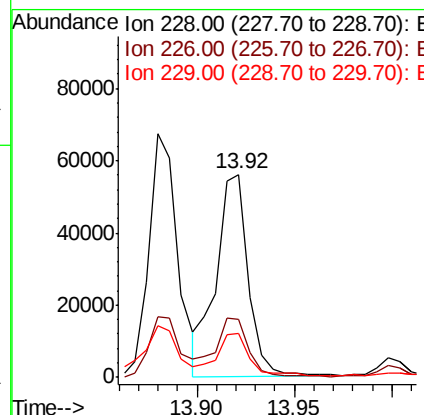
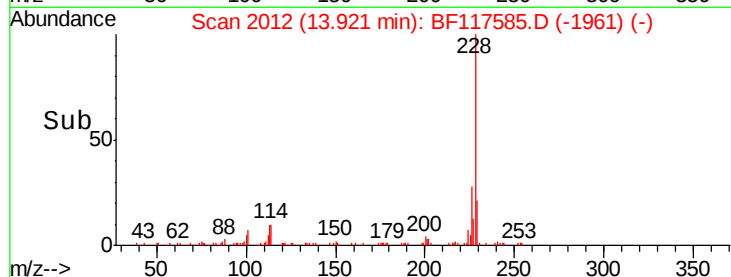
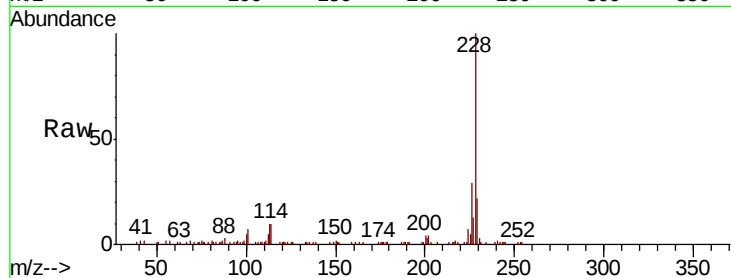




#83
Chrysene
Concen: 11.574 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

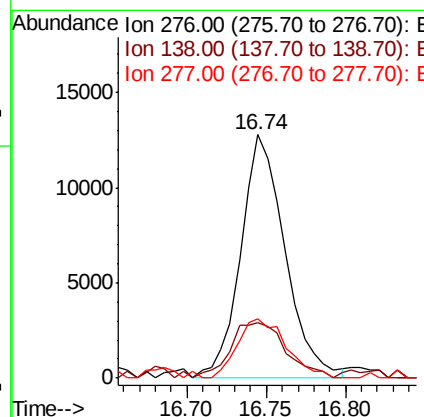
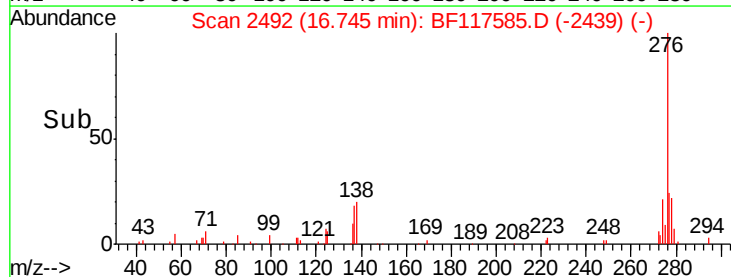
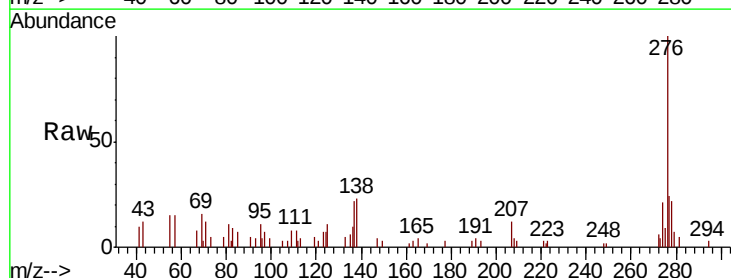
Instrument :
BNA_F
ClientSampleId :

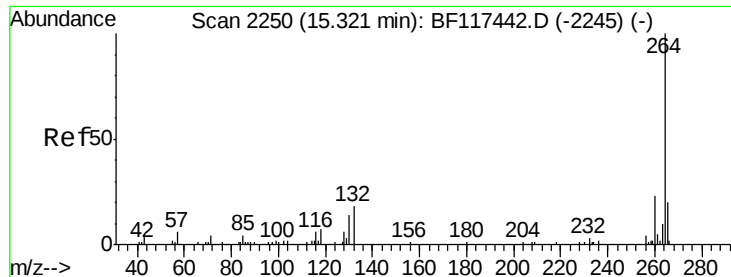
Tot Ion:228 Resp: 63865
Ion Ratio Lower Upper
228 100
226 28.7 23.9 35.9
229 21.7 15.8 23.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.040 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion:276 Resp: 24883
Ion Ratio Lower Upper
276 100
138 28.7 21.8 32.8
277 26.8 20.0 30.0

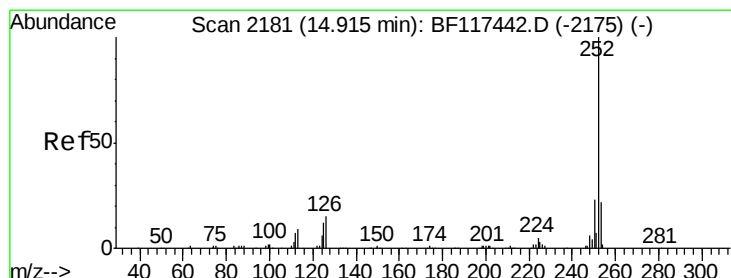
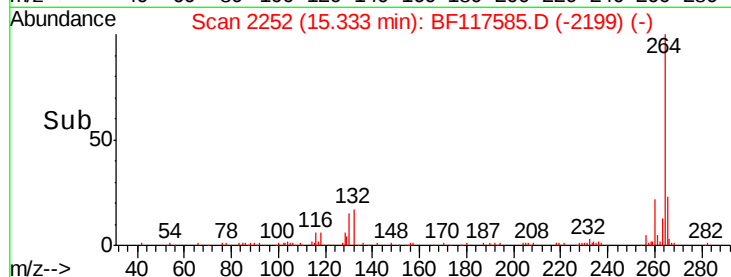
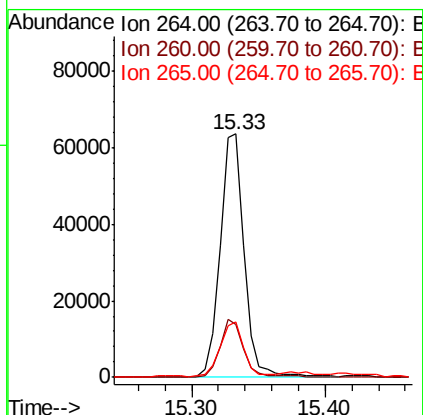
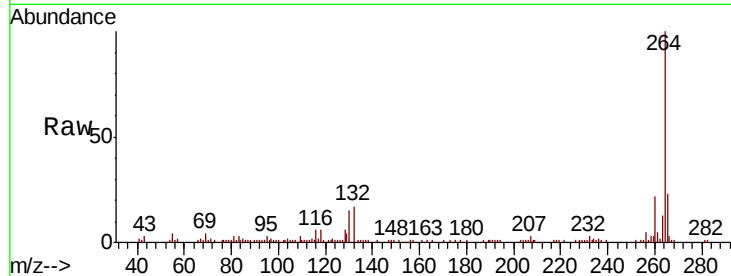




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

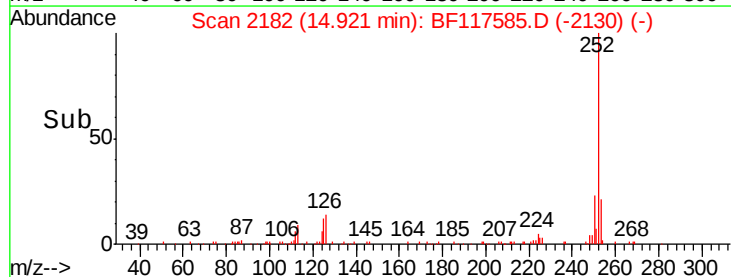
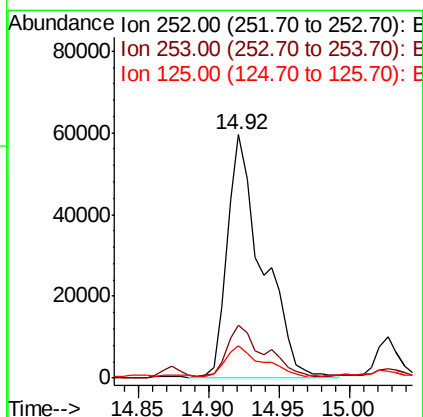
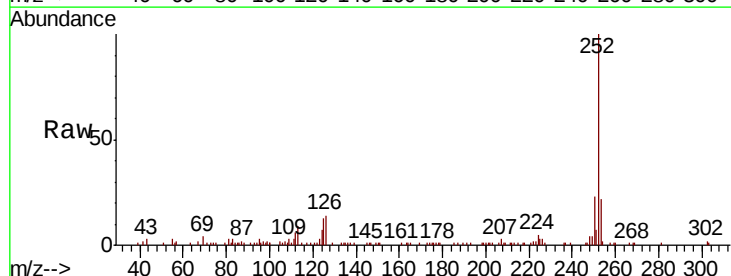
Instrument :
BNA_F
ClientSampleId :

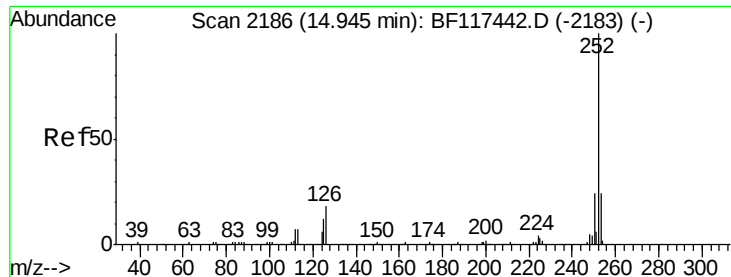
Tot Ion:264 Resp: 81217
Ion Ratio Lower Upper
264 100
260 21.9 18.4 27.6
265 22.6 16.1 24.1



#88
Benzo(b)fluoranthene
Concen: 21.700 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion:252 Resp: 104074
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 13.4 9.9 14.9

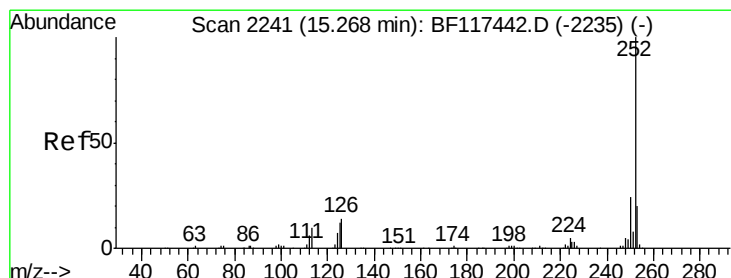
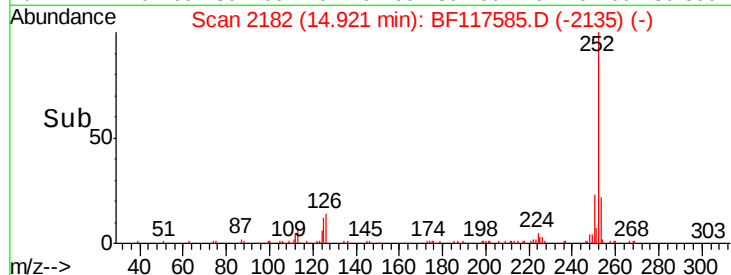
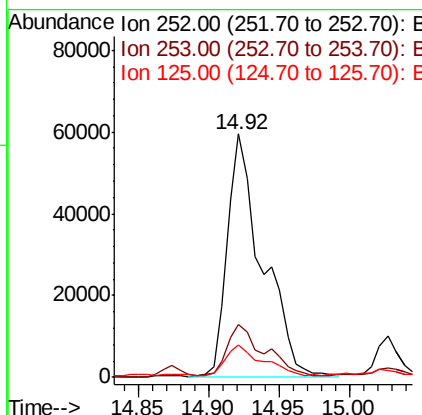
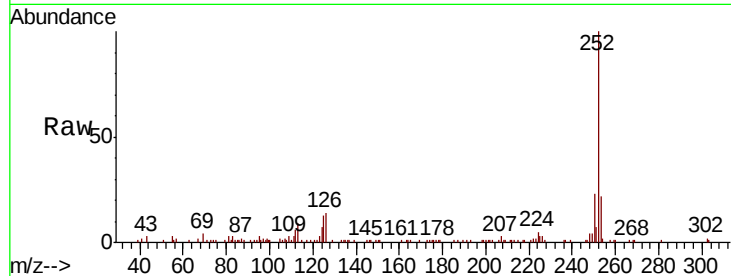




#89
Benzo(k)fluoranthene
Concen: 21.172 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

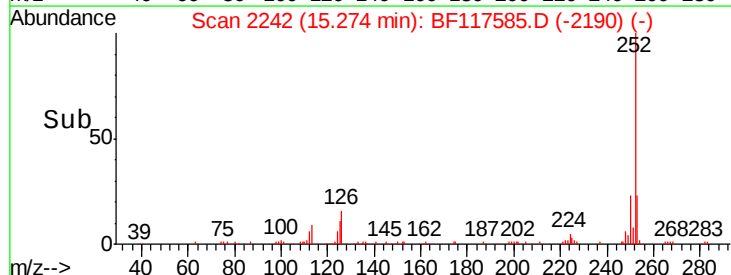
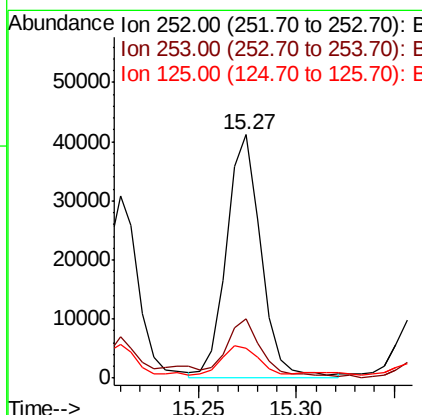
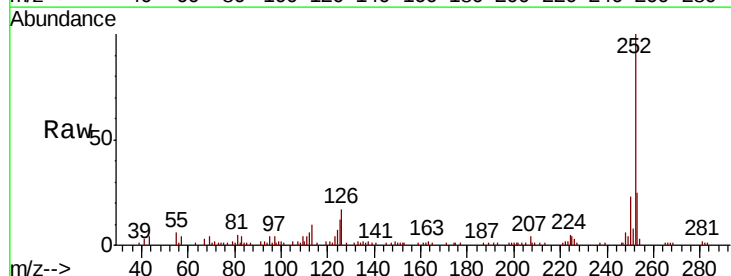
Instrument :
BNA_F
ClientSampleId :

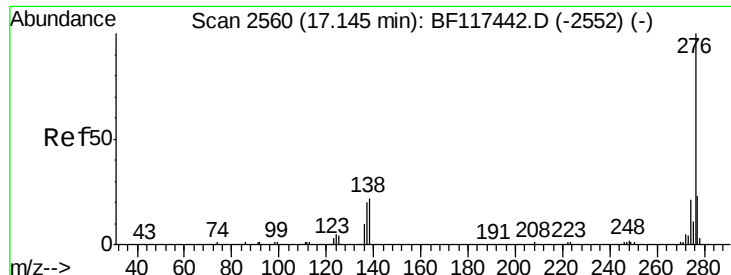
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	13.4	8.9	13.3#



#90
Benzo(a)pyrene
Concen: 11.667 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	16.3	24.5#
125	12.2	9.2	13.8





#92

Benzo(a,h,i)perylene

Concen: 6.290 ng

RT: 17.17 min Scan# 2565

Delta R.T. 0.03 min

Lab File: BF117585.D

Acq: 29 Oct 2019 12:44

Instrument :

BNA_F

ClientSampleId :

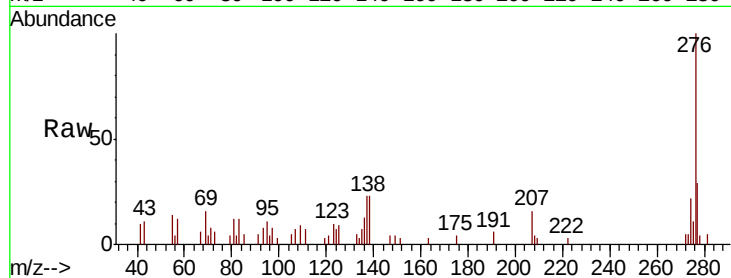
Tot Ion: 276 Resp: 22438

Ion Ratio Lower Upper

276 100

277 29.0 18.4 27.6#

138 23.3 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

