

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117618.D
 Acq On : 30 Oct 2019 12:26
 Operator : JU
 Sample : K5540-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 01:22:50 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	34111	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	136163	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	66684	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	94531	20.00	ng	0.00
76) Chrysene-d12	13.89	240	77290	20.00	ng	0.00
87) Perylene-d12	15.33	264	80572	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	191003	83.30	ng	0.00
7) Phenol-d6	6.38	99	266492	86.54	ng	0.00
23) Nitrobenzene-d5	7.29	82	177208	64.25	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	42559	73.76	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	217958	46.05	ng	-0.01
79) Terphenyl-d14	12.83	244	143849	30.36	ng	0.00

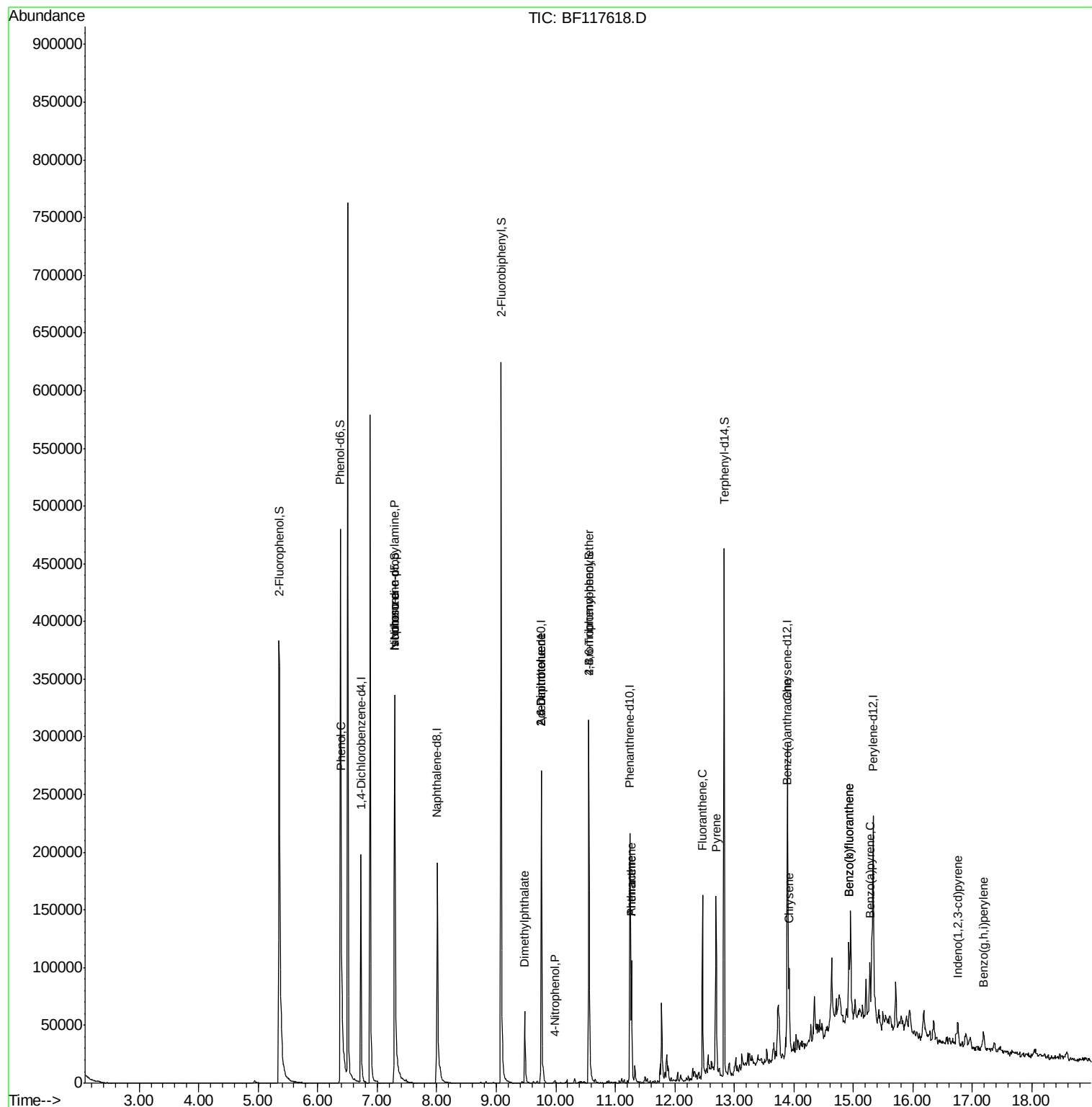
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	9584	3.049	ng	91
19) n-Nitroso-di-n-propylamine	7.29	70	21902	11.645	ng	# 82
25) Isophorone	7.29	82	177207	37.140	ng	# 65
50) Dimethylphthalate	9.48	163	31865	6.703	ng	# 98
51) 2,6-Dinitrotoluene	9.76	165	8049	8.114	ng	# 22
56) 4-Nitrophenol	9.97	139	445	4.892	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	8049	6.103	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	2716	2.667	ng	# 1
71) Phenanthrene	11.27	178	45970	8.375	ng	99
72) Anthracene	11.27	178	45970	8.162	ng	100
75) Fluoranthene	12.46	202	63396	11.537	ng	99
77) Benzidine	12.83	184	1968	Below Cal	#	85
78) Pyrene	12.69	202	64766	9.756	ng	99
81) Benzo(a)anthracene	13.88	228	29536	5.665	ng	97
83) Chrysene	13.92	228	29442	5.762	ng	97
86) Indeno(1,2,3-cd)pyrene	16.76	276	12458	3.266	ng	# 94
88) Benzo(b)fluoranthene	14.92	252	41814	8.788	ng	# 89
89) Benzo(k)fluoranthene	14.92	252	41814	8.575	ng	# 89
90) Benzo(a)pyrene	15.27	252	23798	5.501	ng	# 95
92) Benzo(a,h,i)perylene	17.19	276	11090	3.134	ng	# 90

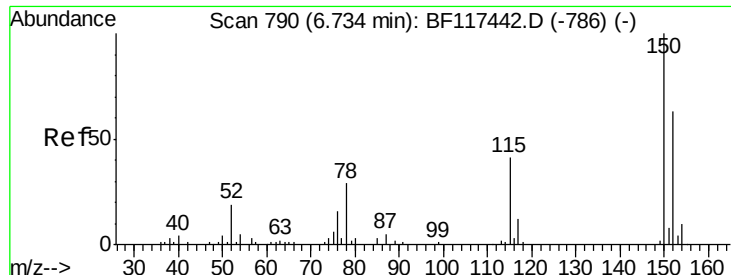
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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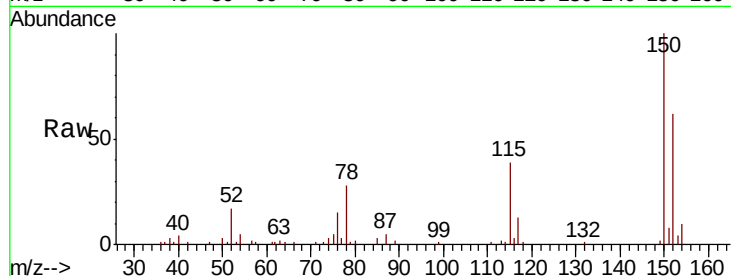


#1

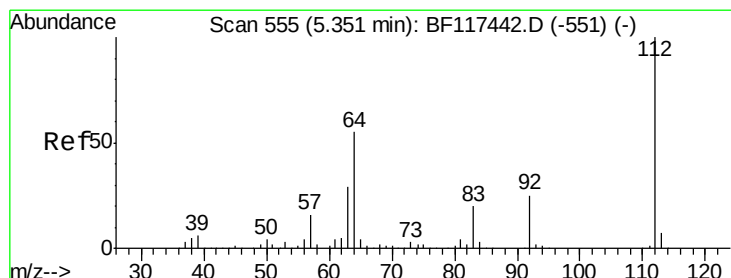
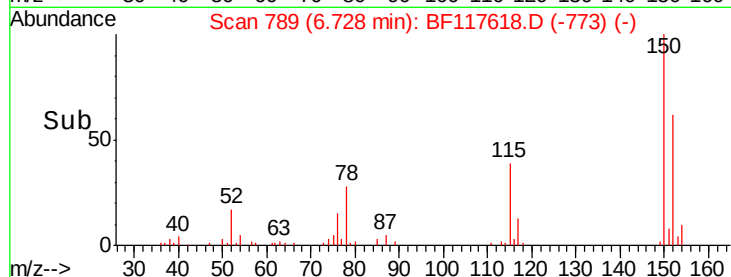
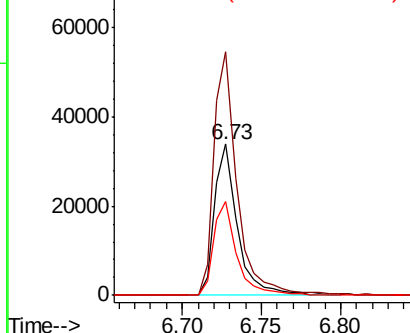
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 34111
Ion Ratio Lower Upper
152 100
150 161.0 126.8 190.2
115 62.4 51.6 77.4



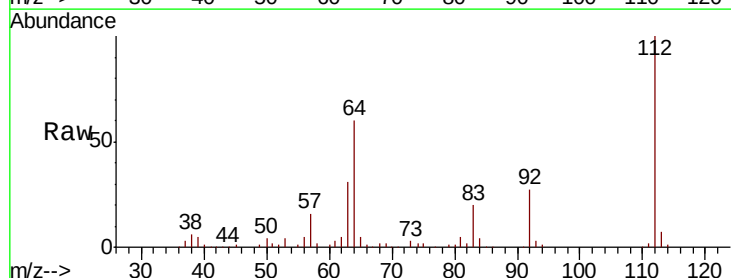
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



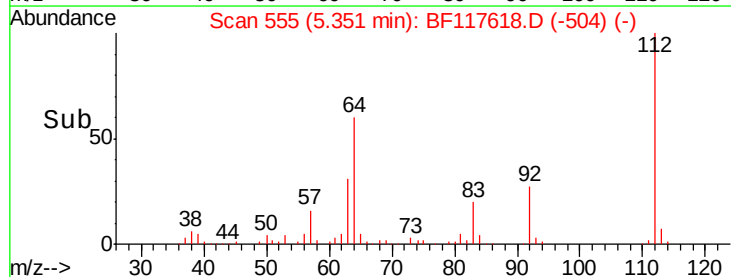
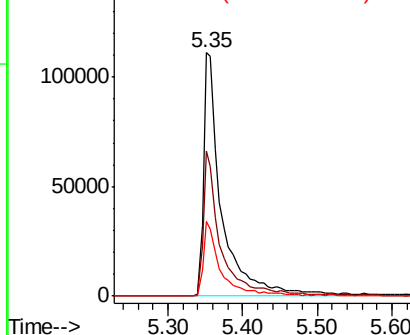
#5

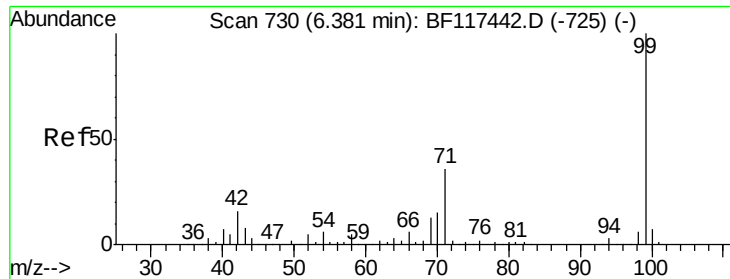
2-Fluorophenol
Concen: 83.303 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion:112 Resp: 191003
Ion Ratio Lower Upper
112 100
64 59.7 44.1 66.1
63 30.9 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: 86.535 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Instrument :

BNA_F

ClientSampleId :

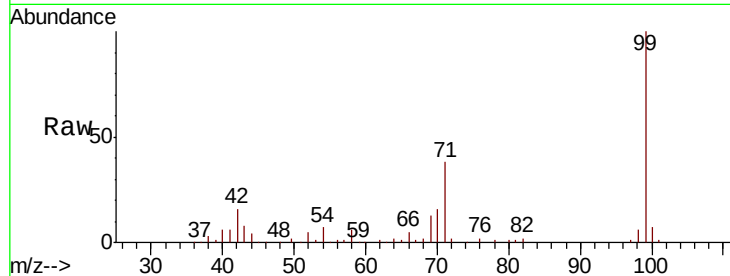
Tot Ion: 99 Resp: 266492

Ion Ratio Lower Upper

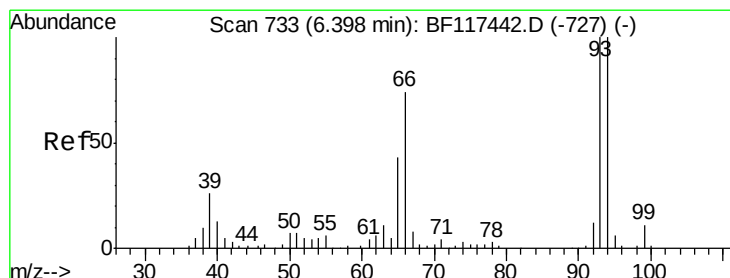
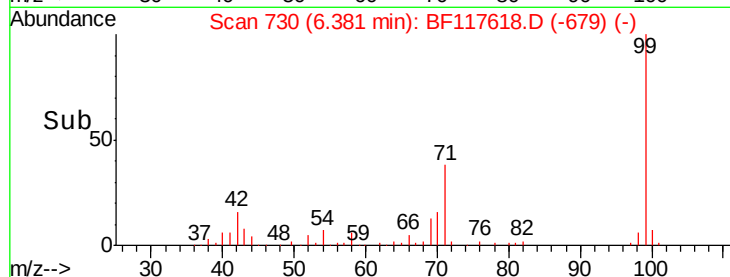
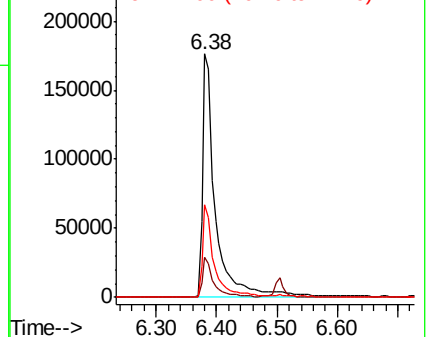
99 100

42 16.4 12.8 19.2

71 38.1 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: 3.049 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

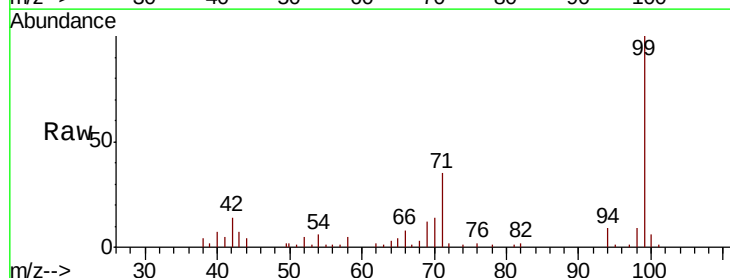
Tgt Ion: 94 Resp: 9584

Ion Ratio Lower Upper

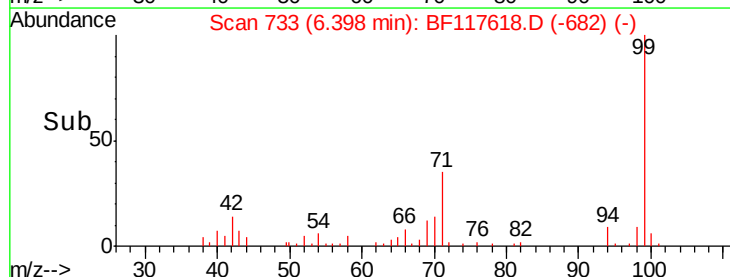
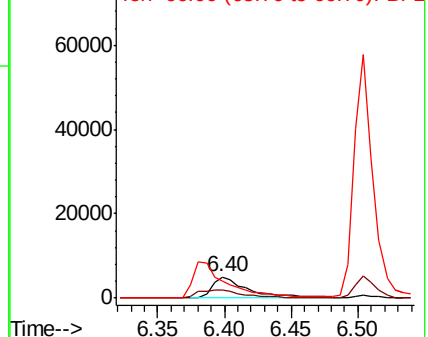
94 100

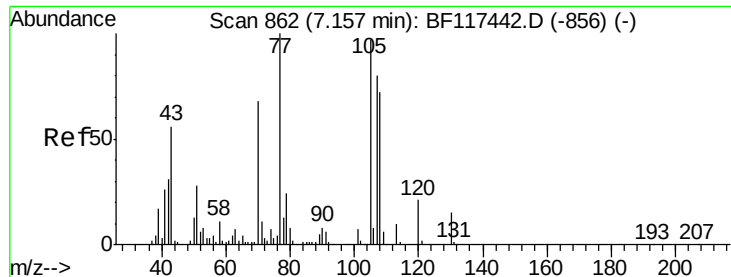
65 39.8 23.4 63.4

66 83.8 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

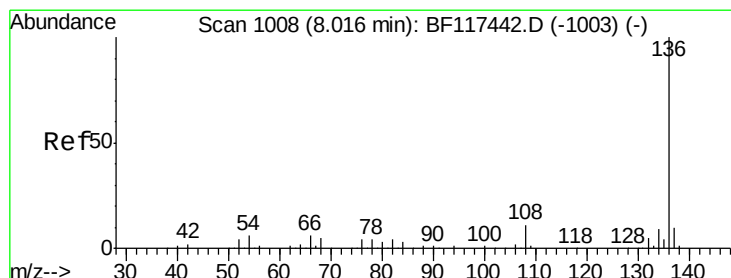
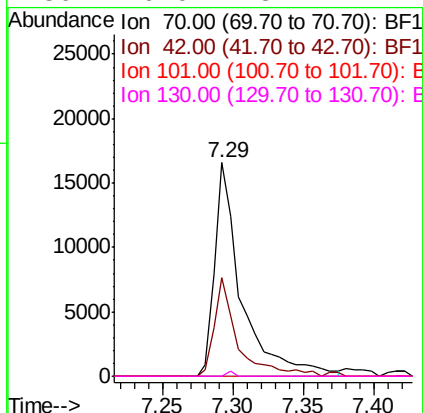
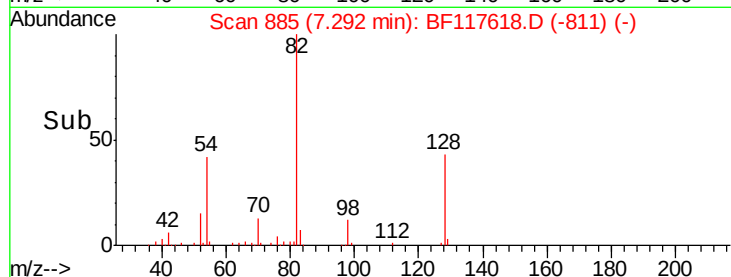
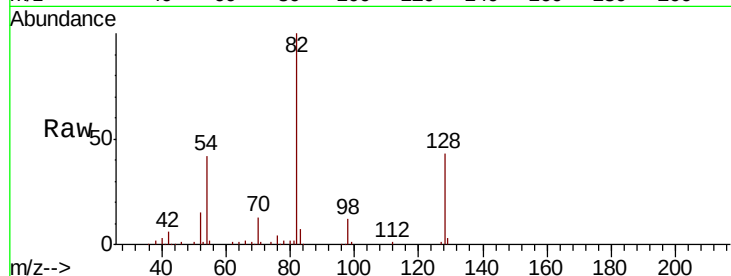




#19
n-Nitroso-di-n-propylamine
Concen: 11.645 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

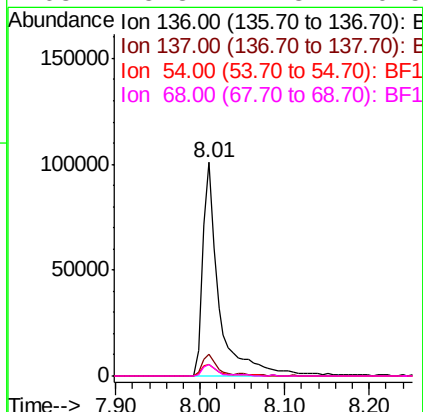
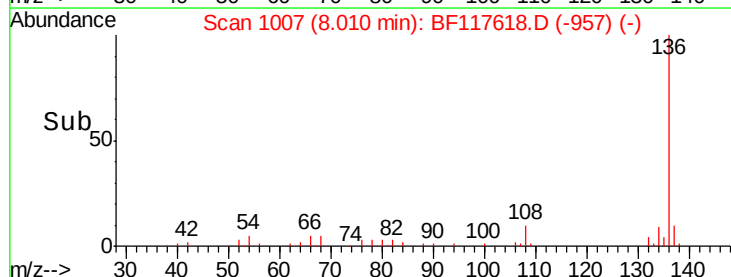
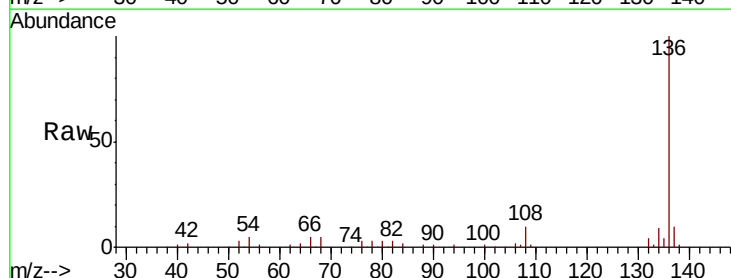
Instrument :
BNA_F
ClientSampled :

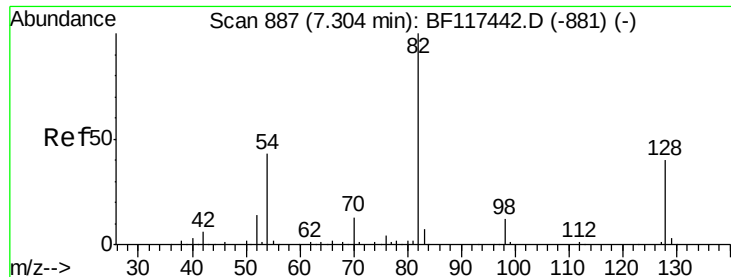
Tot Ion: 70 Resp: 21902
Ion Ratio Lower Upper
70 100
42 46.4 36.7 55.1
101 0.0 8.3 12.5#
130 0.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion: 136 Resp: 136163
Ion Ratio Lower Upper
136 100
137 10.2 8.2 12.4
54 5.2 4.5 6.7
68 5.3 4.3 6.5

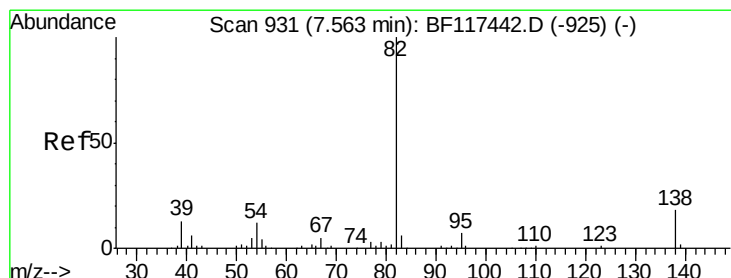
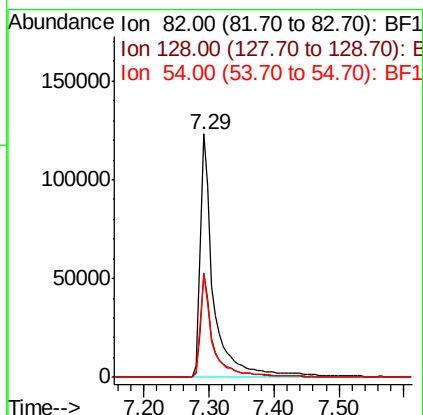
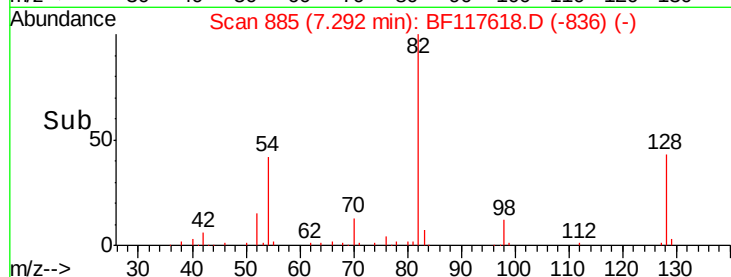
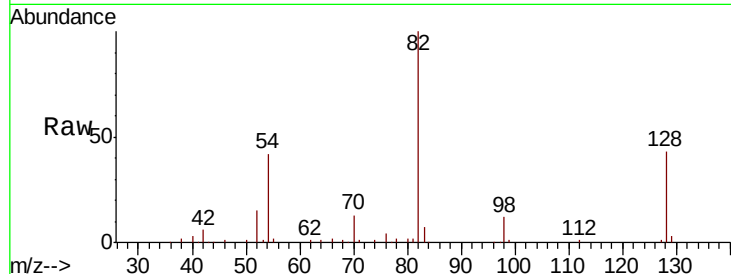




#23
Nitrobenzene-d5
Concen: 64.249 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

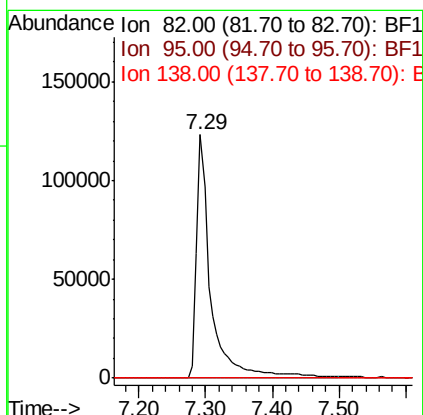
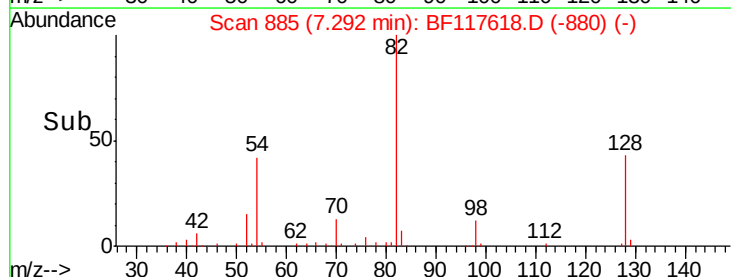
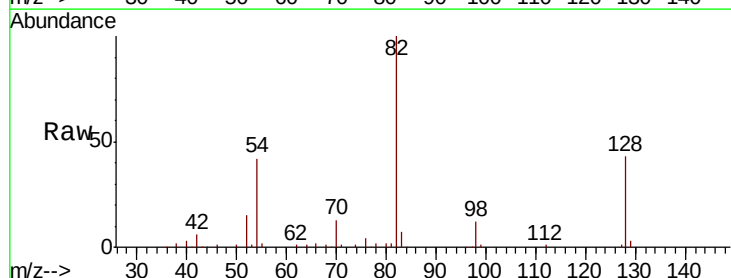
Instrument :
BNA_F
ClientSampleId :

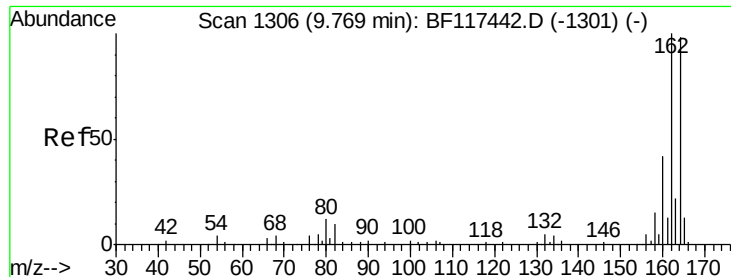
Tot Ion: 82 Resp: 177208
Ion Ratio Lower Upper
82 100
128 42.6 32.2 48.2
54 42.2 34.2 51.2



#25
Isophorone
Concen: 37.140 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion: 82 Resp: 177207
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.2 21.2#

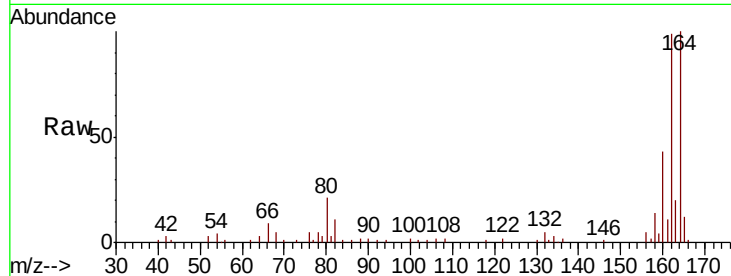




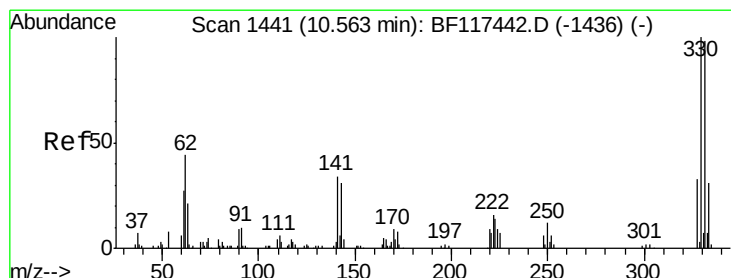
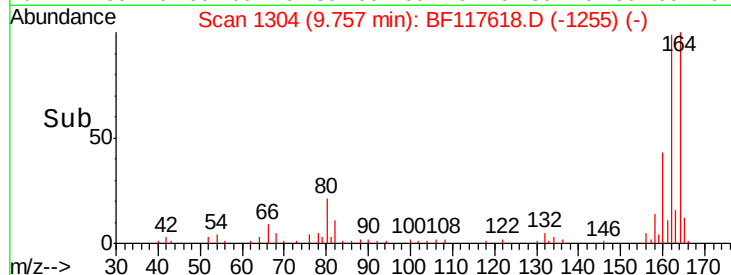
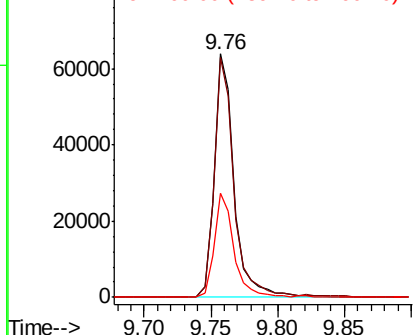
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF117618.D
 Acq: 30 Oct 2019 12:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 66684
 Ion Ratio Lower Upper
 164 100
 162 98.7 81.8 122.6
 160 42.5 34.4 51.6

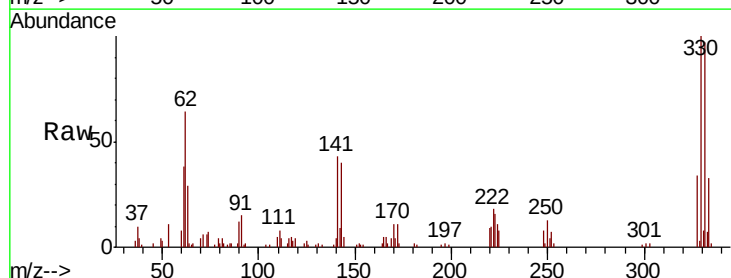


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

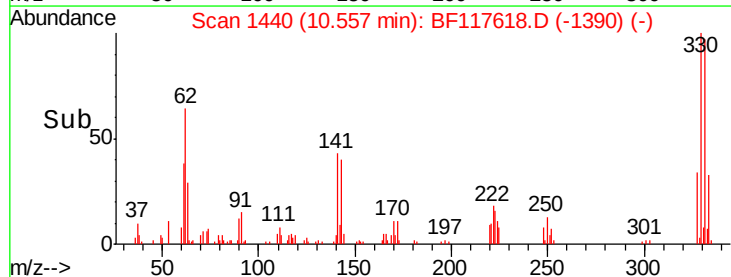
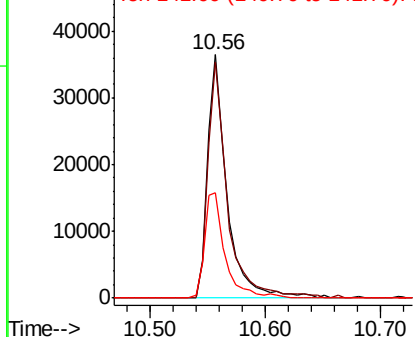


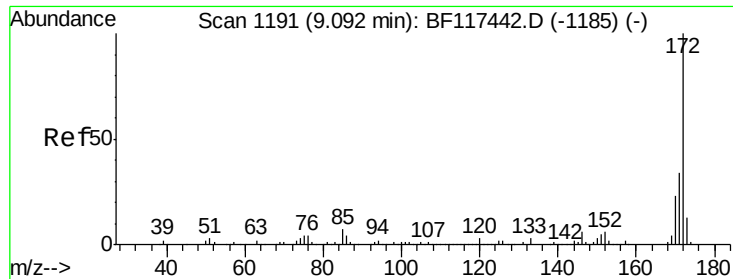
#42
 2,4,6-Tribromophenol
 Concen: 73.761 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117618.D
 Acq: 30 Oct 2019 12:26

Tgt Ion:330 Resp: 42559
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.5 117.7
 141 46.0 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

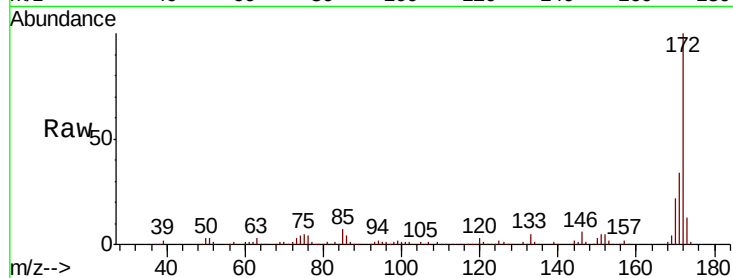




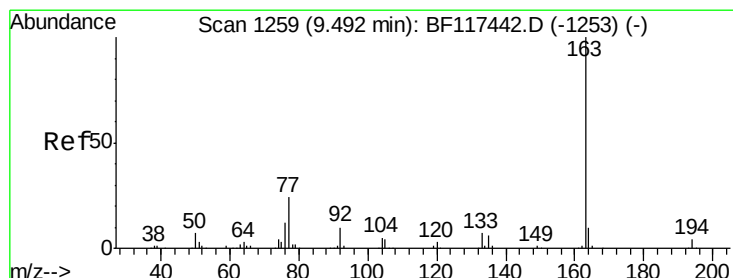
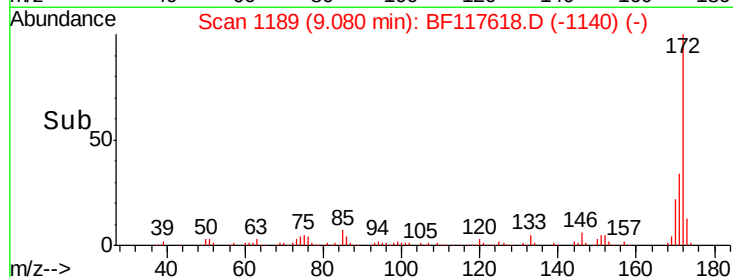
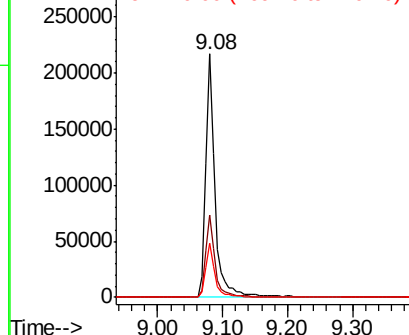
#45
2-Fluorobiphenyl
Concen: 46.053 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 217958
Ion Ratio Lower Upper
172 100
171 33.8 27.5 41.3
170 22.2 18.6 27.8

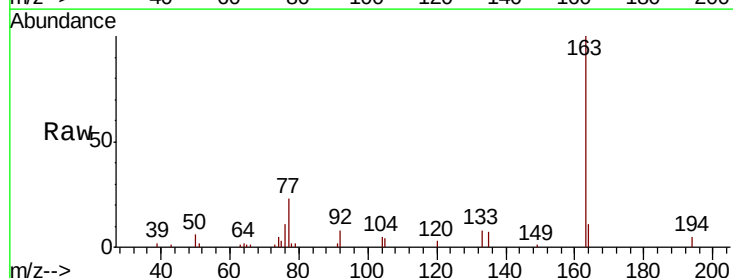


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

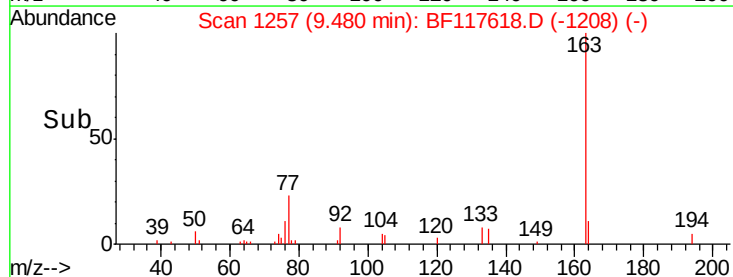
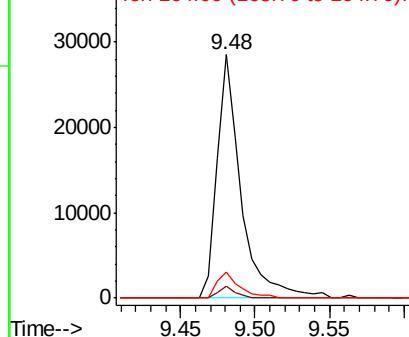


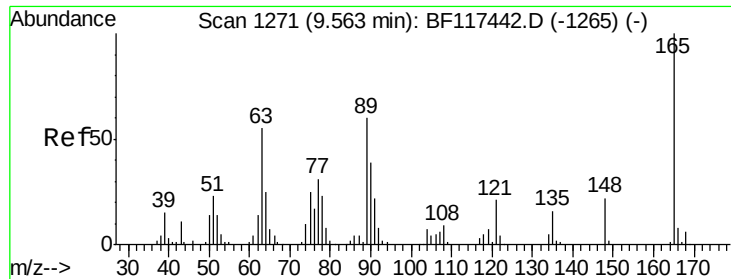
#50
Dimethylphthalate
Concen: 6.703 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion:163 Resp: 31865
Ion Ratio Lower Upper
163 100
194 4.9 2.9 4.3#
164 10.9 8.2 12.2



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

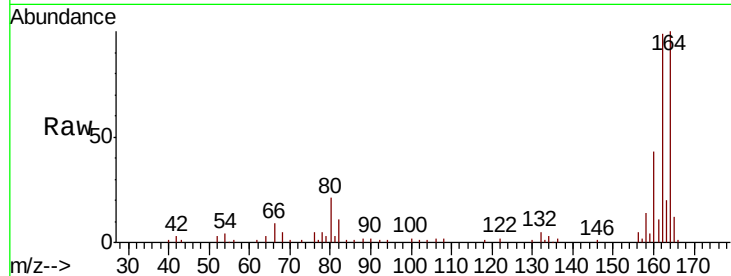




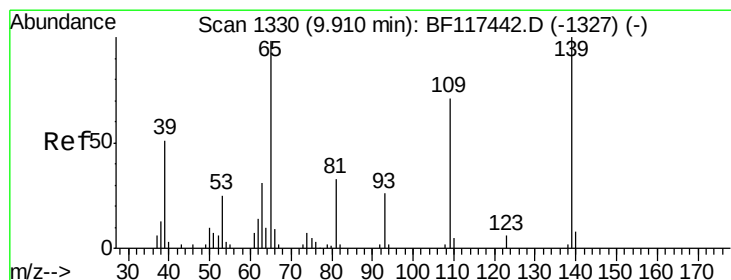
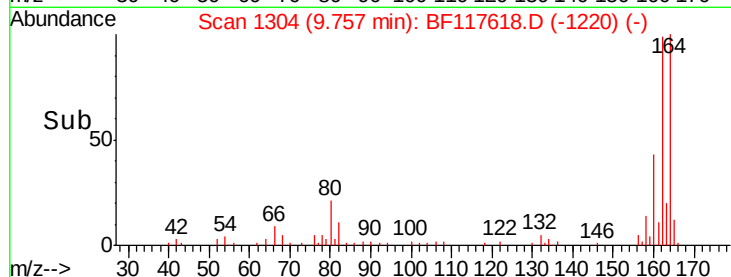
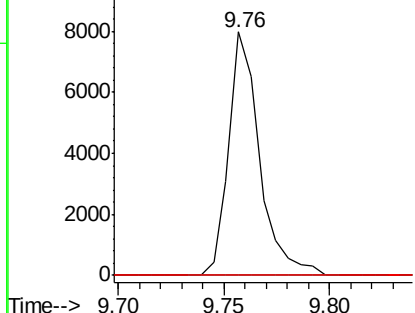
#51
 2,6-Dinitrotoluene
 Concen: 8.114 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.19 min
 Lab File: BF117618.D
 Acq: 30 Oct 2019 12:26

Instrument :
 BNA_F
 ClientSampled :

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

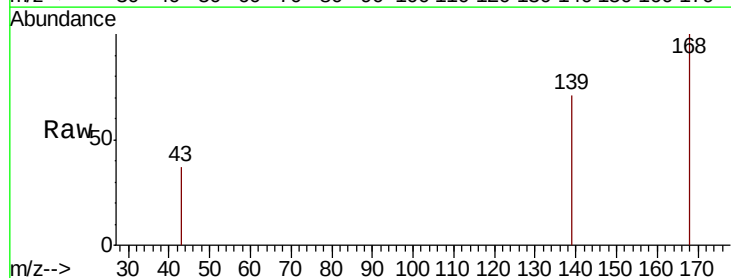


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

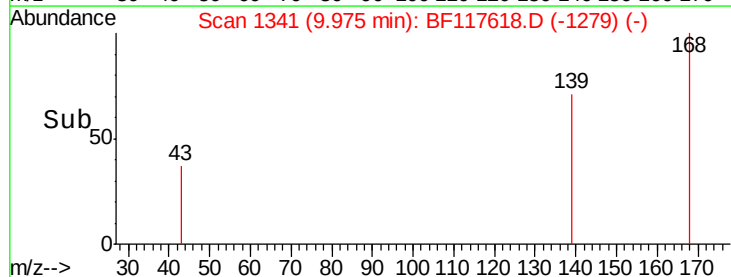
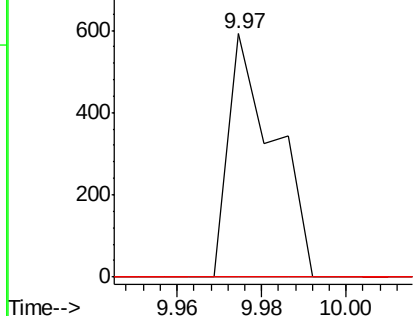


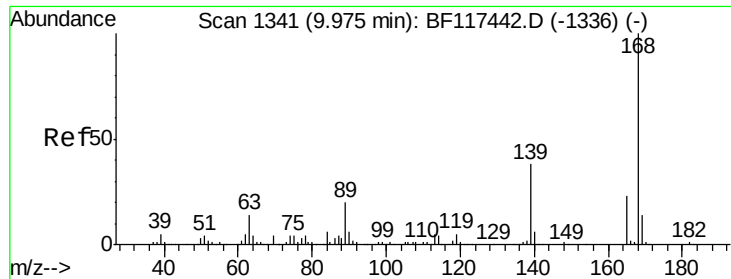
#56
 4-Nitrophenol
 Concen: 4.892 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.07 min
 Lab File: BF117618.D
 Acq: 30 Oct 2019 12:26

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

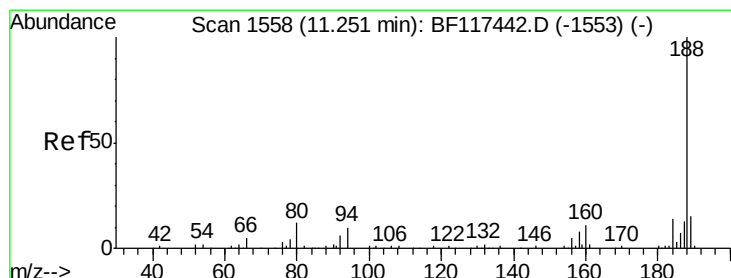
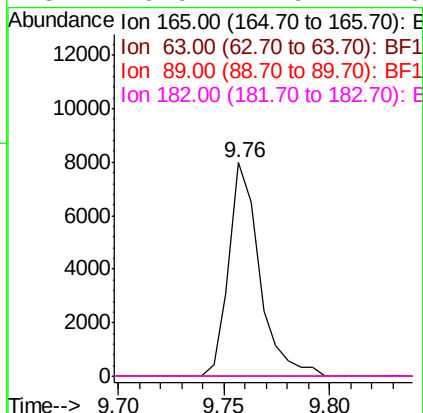
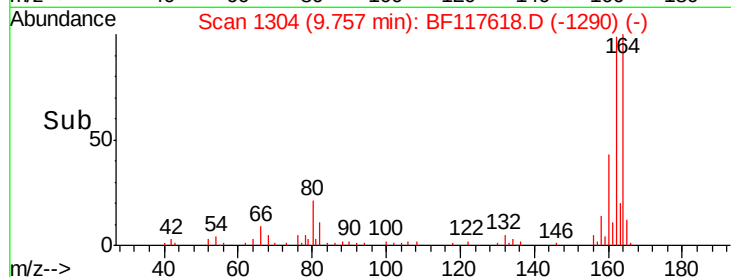
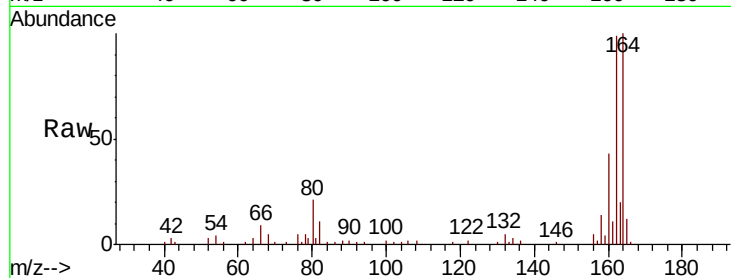




#57
 2,4-Dinitrotoluene
 Concen: 6.103 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117618.D
 Acq: 30 Oct 2019 12:26

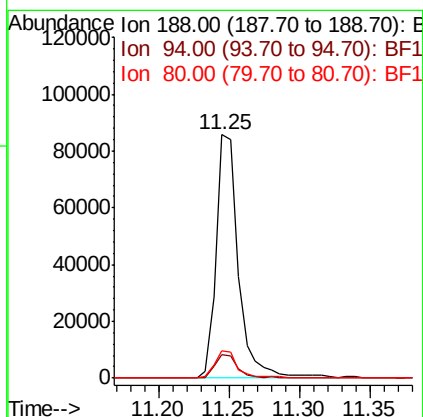
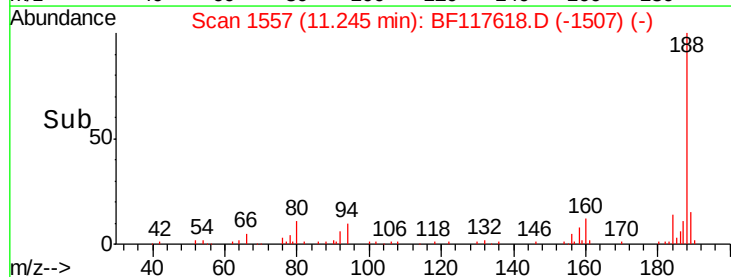
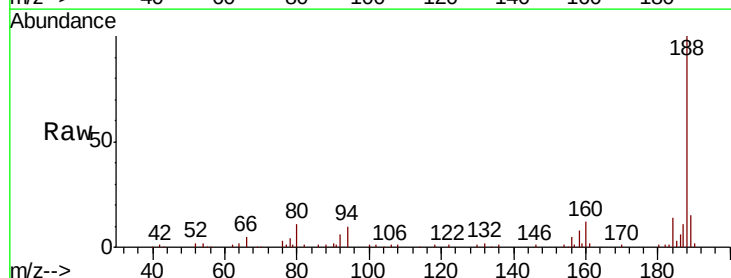
Instrument :
 BNA_F
 ClientSampleId :

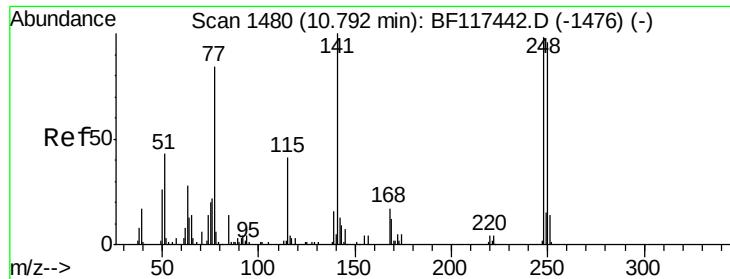
Tot Ion:165 Resp: 8049
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117618.D
 Acq: 30 Oct 2019 12:26

Tgt Ion:188 Resp: 94531
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.0 12.0
 80 11.3 9.5 14.3





#67

4-Bromophenyl-phenylether

Concen: 2.667 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Instrument :

BNA_F

ClientSampleId :

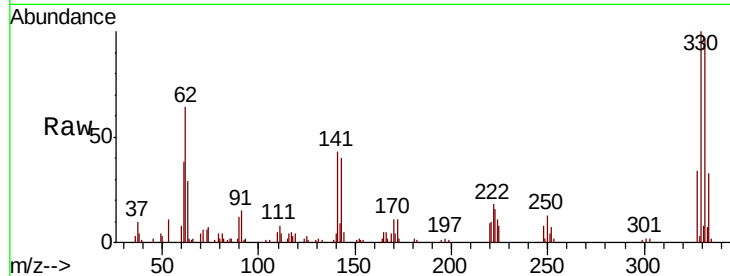
Tot Ion:248 Resp: 2716

Ion Ratio Lower Upper

248 100

250 158.6 78.0 117.0#

141 530.4 81.7 122.5#

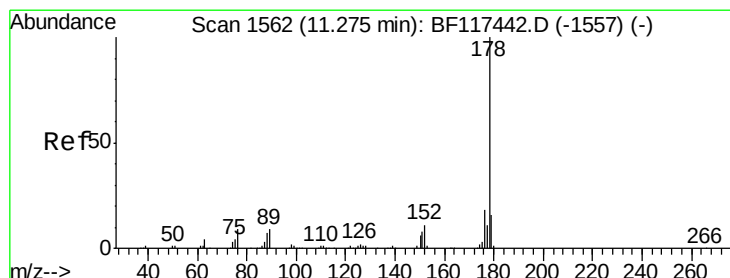
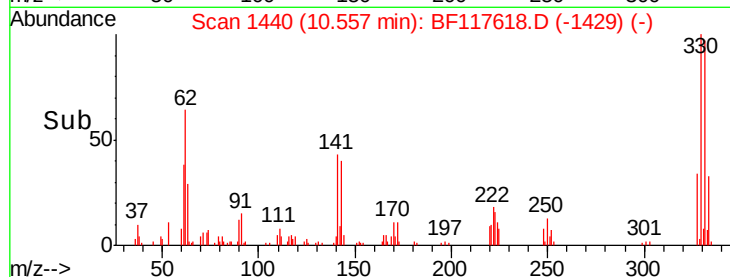
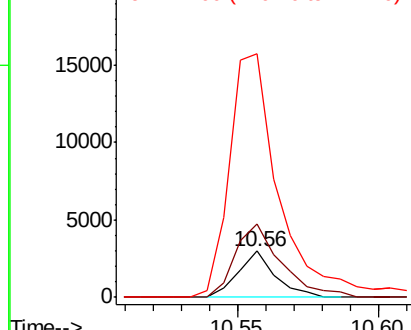


Abundance

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: 8.375 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

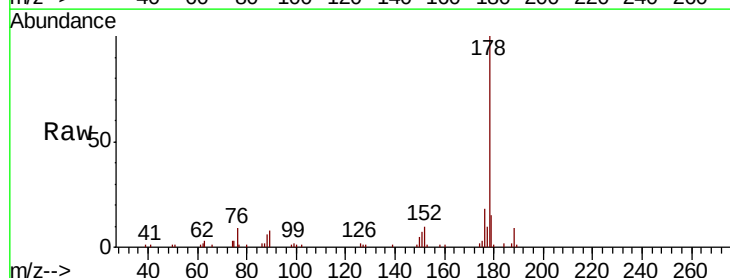
Tgt Ion:178 Resp: 45970

Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

179 15.2 12.6 19.0

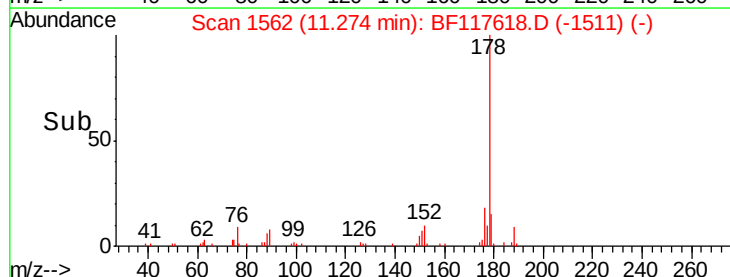
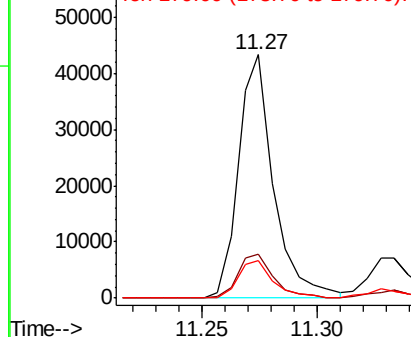


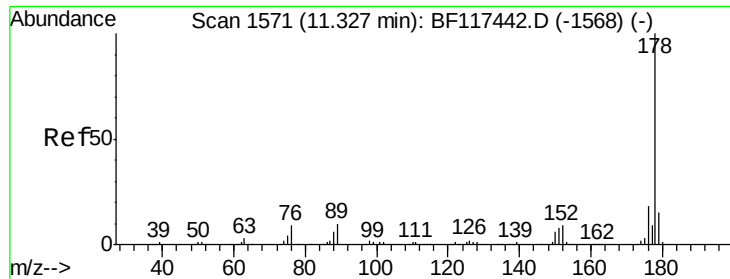
Abundance

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

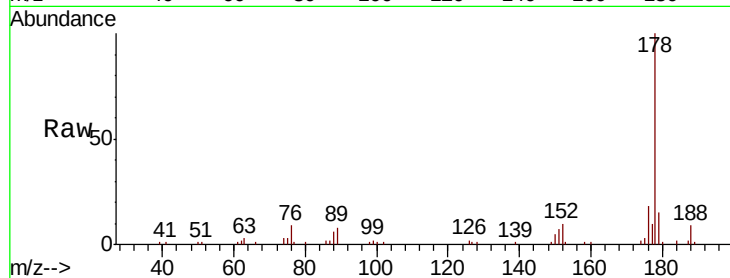




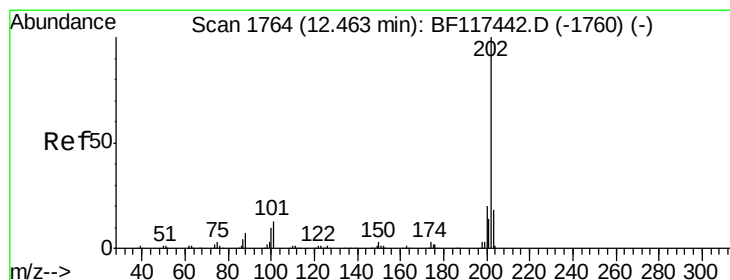
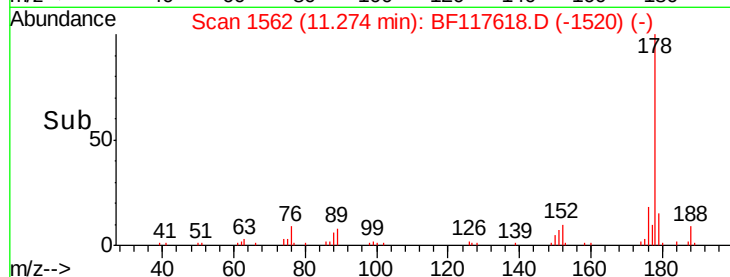
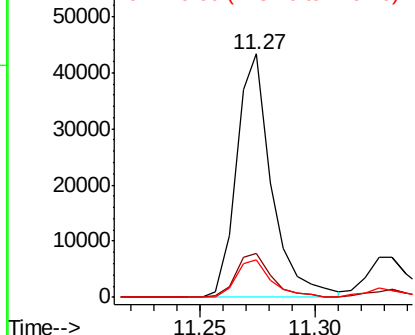
#72
 Anthracene
 Concen: 8.162 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.05 min
 Lab File: BF117618.D
 Acq: 30 Oct 2019 12:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 45970
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 15.2 12.2 18.2

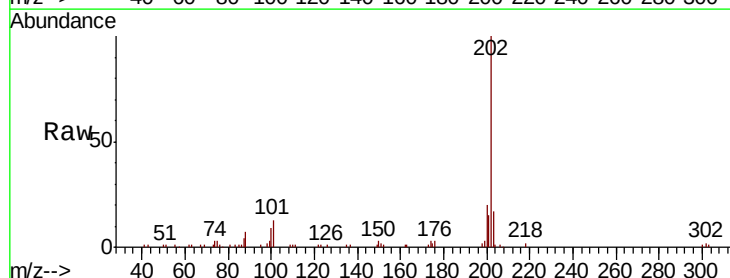


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

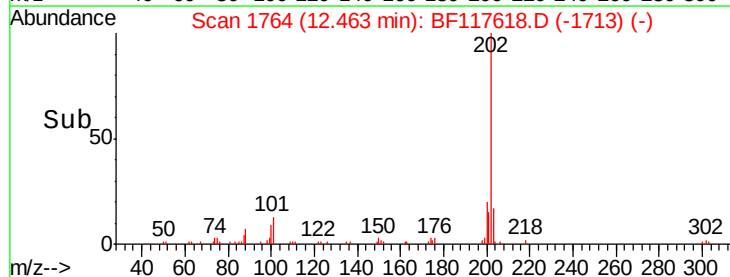
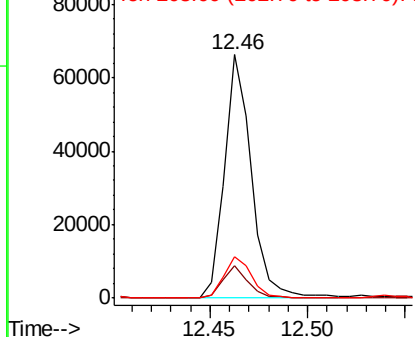


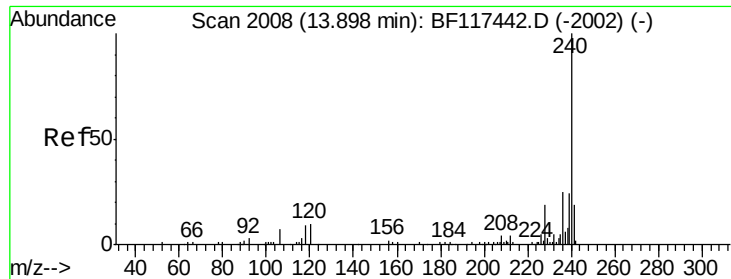
#75
 Fluoranthene
 Concen: 11.537 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117618.D
 Acq: 30 Oct 2019 12:26

Tgt Ion:202 Resp: 63396
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 32.7
 203 17.0 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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Instrument :

BNA_F

ClientSampled :

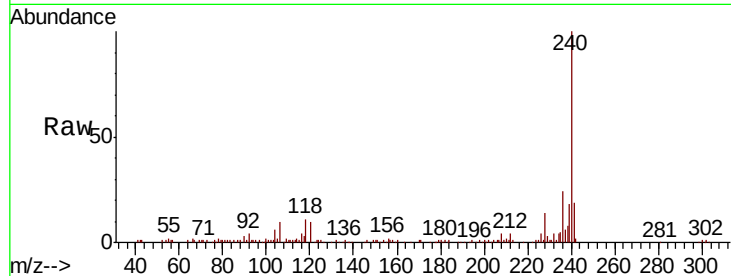
Tot Ion:240 Resp: 77290

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

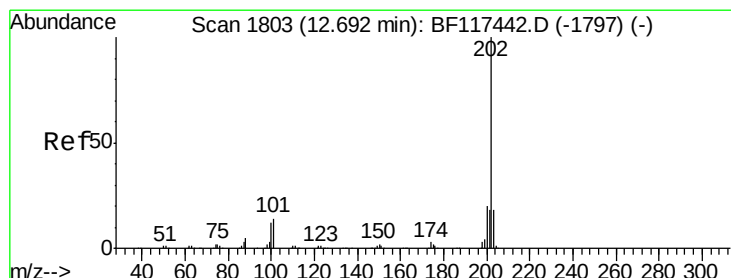
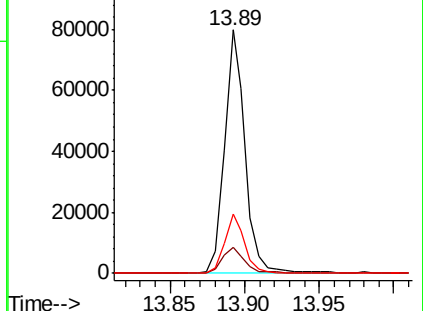
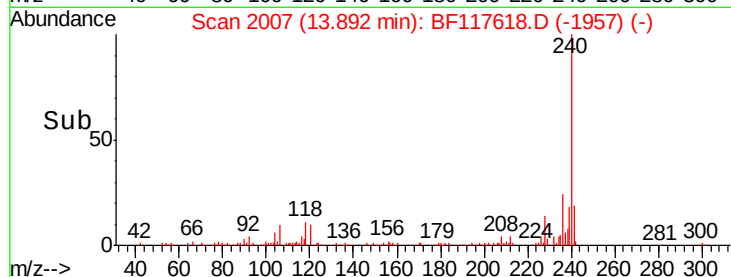
236 24.2 20.0 30.0



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: 9.756 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

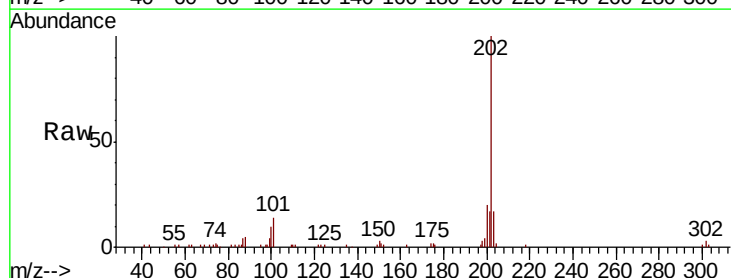
Tgt Ion:202 Resp: 64766

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.2

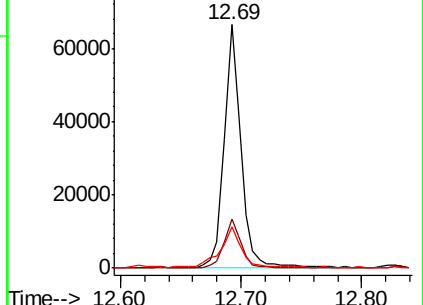
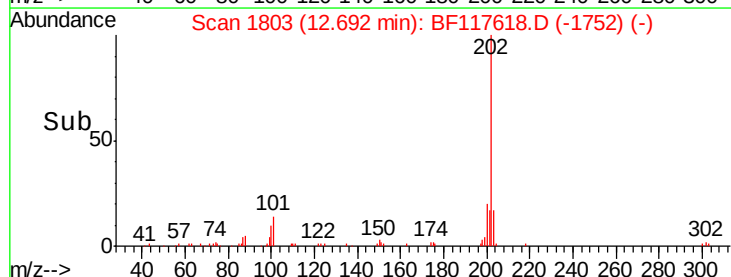
203 17.1 14.0 21.0

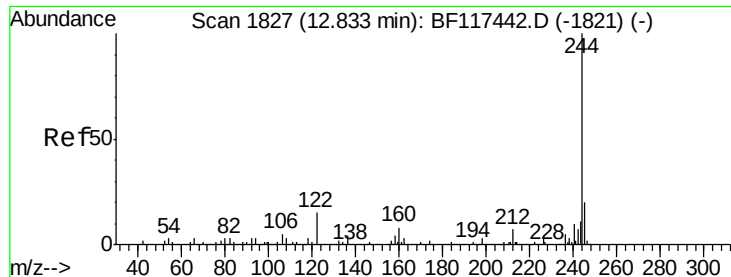


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 30.358 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Instrument :

BNA_F

ClientSampleId :

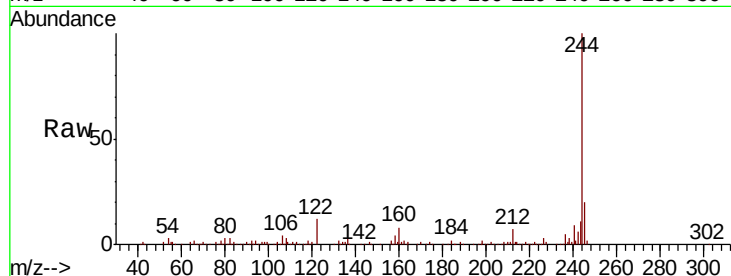
Tot Ion:244 Resp: 143849

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

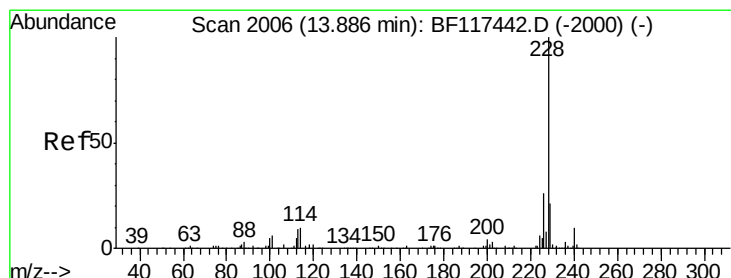
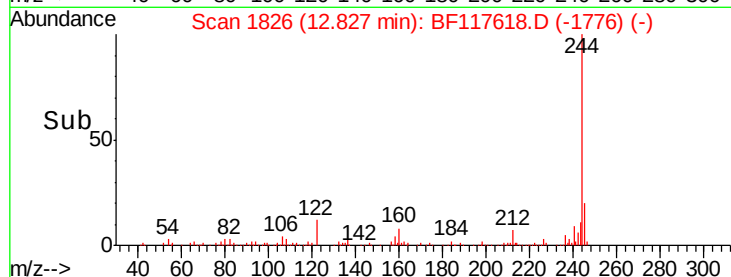
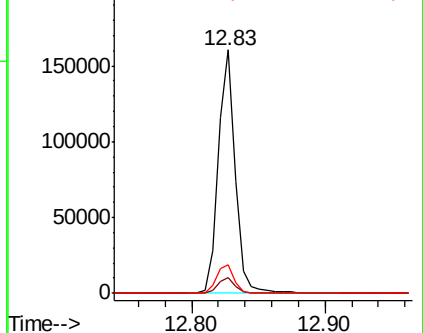
122 11.5 11.8 17.8#



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: 5.665 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

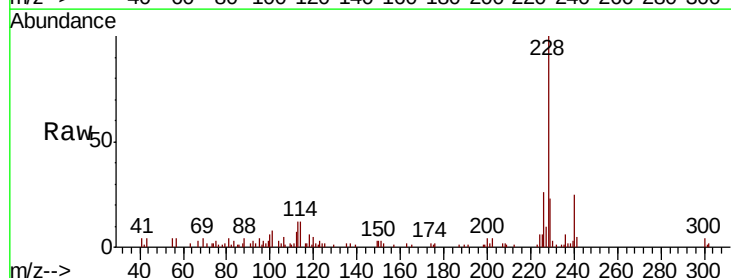
Tgt Ion:228 Resp: 29536

Ion Ratio Lower Upper

228 100

226 26.0 21.0 31.4

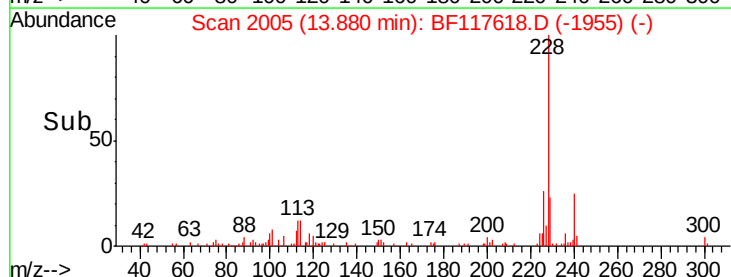
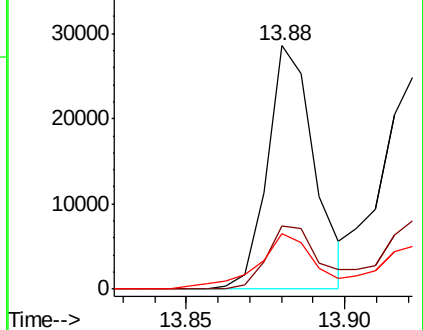
229 23.0 16.4 24.6

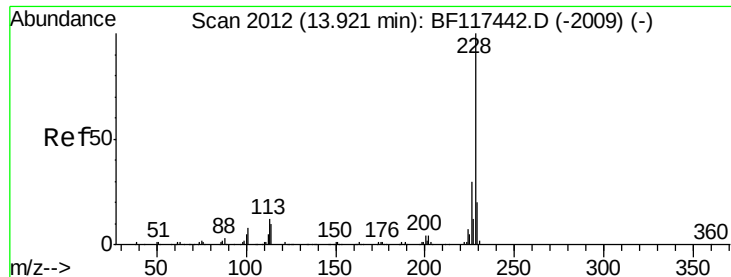


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

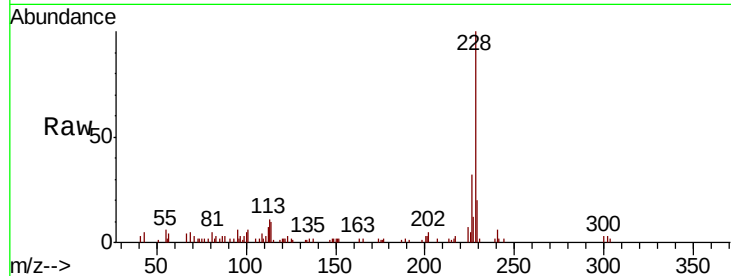




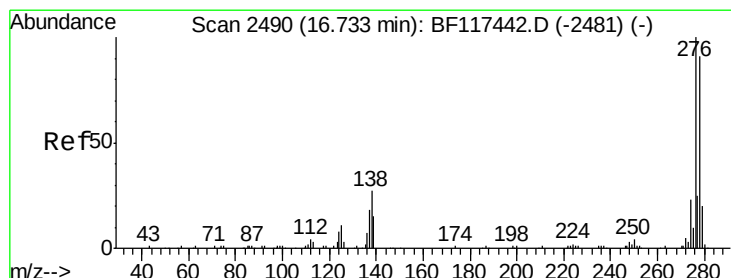
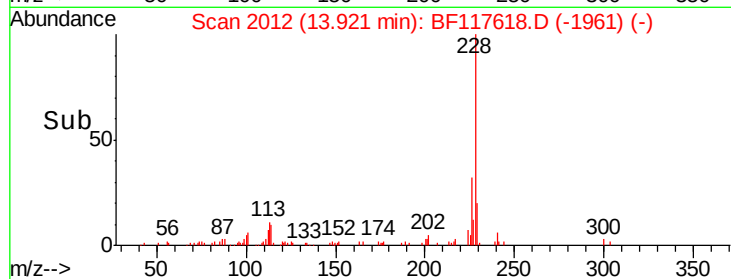
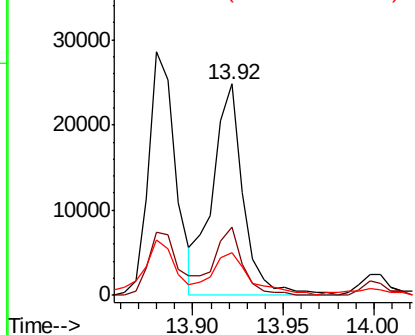
#83
Chrysene
Concen: 5.762 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 29442
Ion Ratio Lower Upper
228 100
226 32.4 23.9 35.9
229 20.4 15.8 23.6

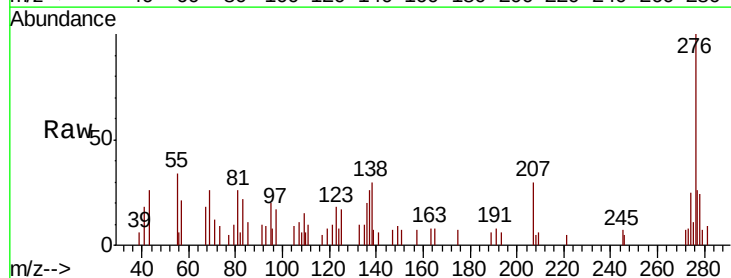


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

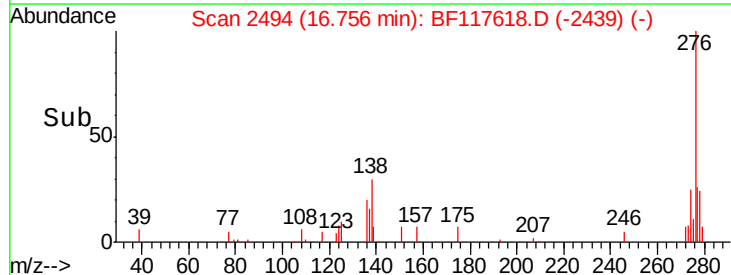
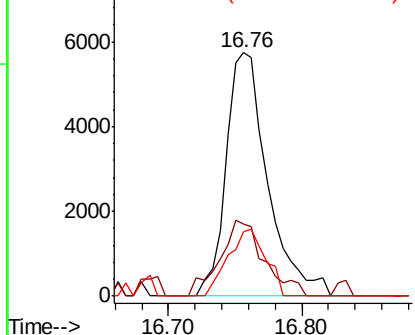


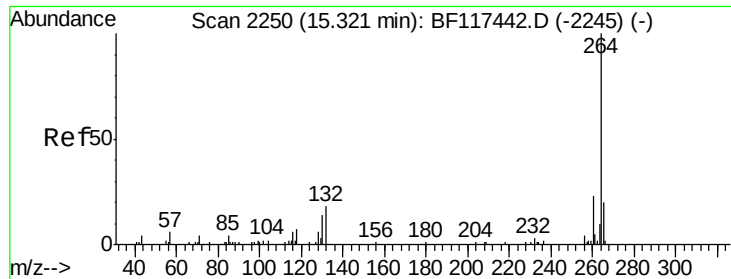
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.266 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion:276 Resp: 12458
Ion Ratio Lower Upper
276 100
138 33.3 21.8 32.8#
277 24.7 20.0 30.0



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: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Instrument :

BNA_F

ClientSampleId :

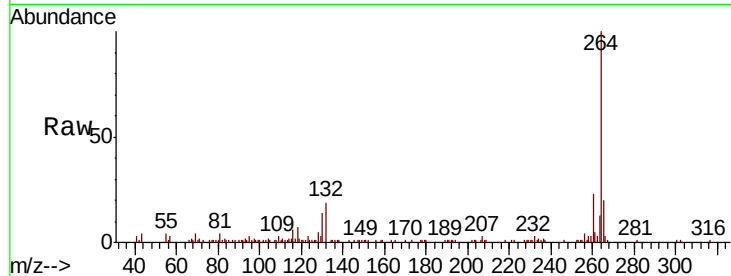
Tot Ion:264 Resp: 80572

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

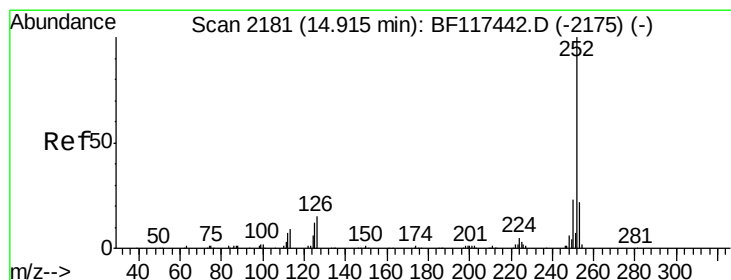
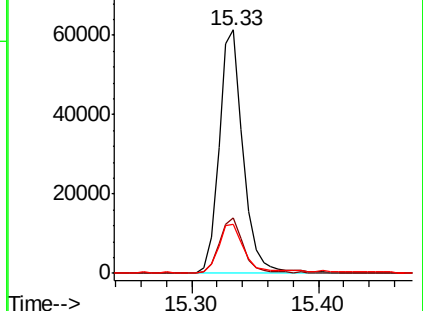
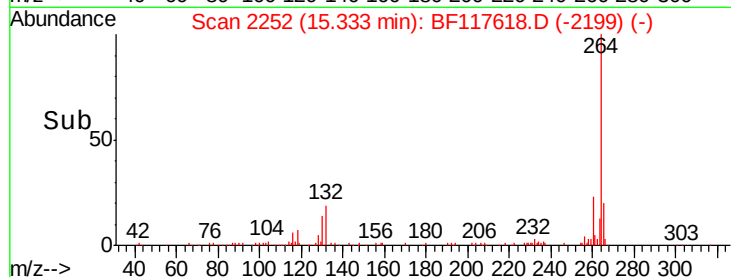
265 19.9 16.1 24.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.788 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

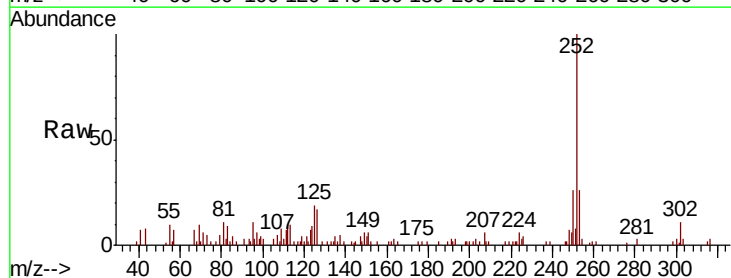
Tgt Ion:252 Resp: 41814

Ion Ratio Lower Upper

252 100

253 25.6 17.8 26.6

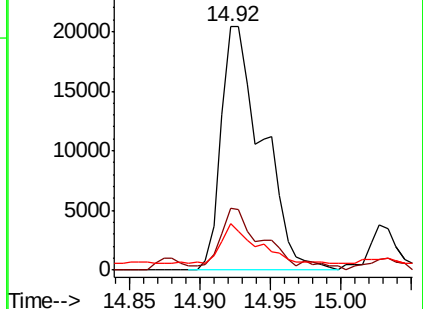
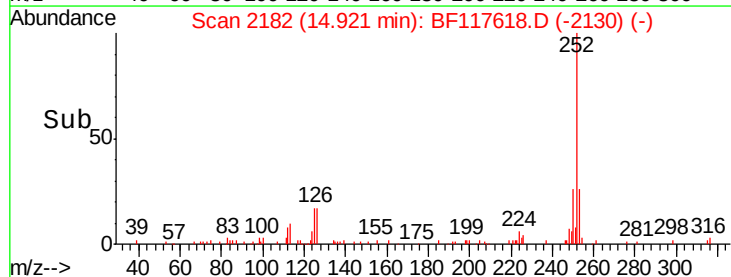
125 19.2 9.9 14.9#

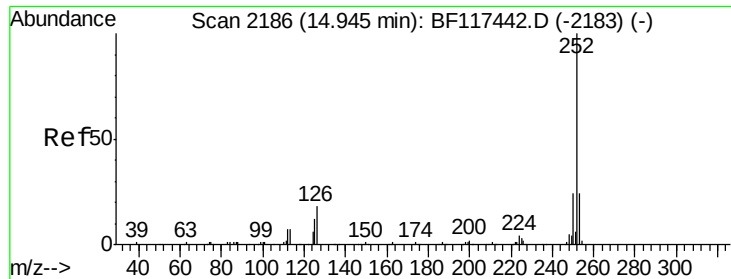


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

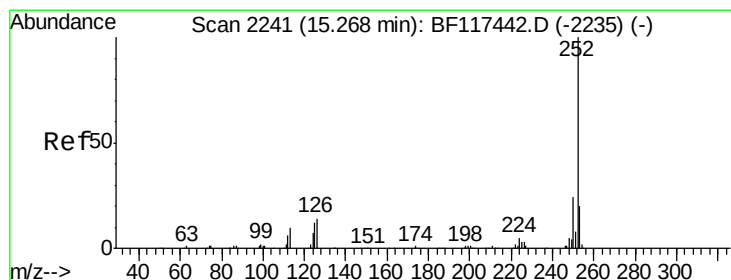
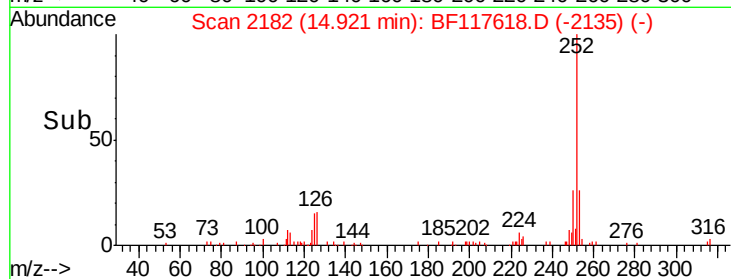
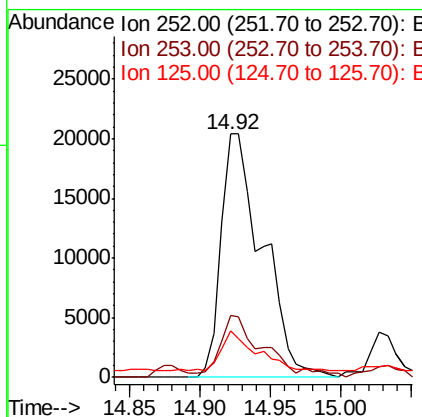
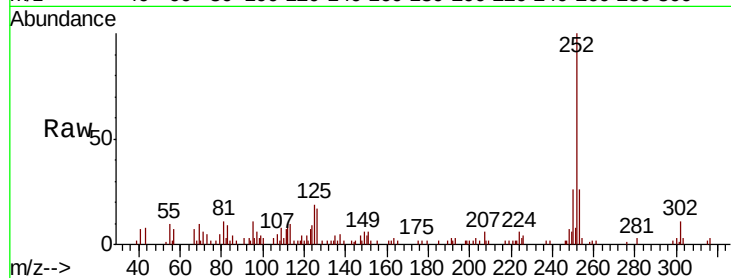




#89
Benzo(k)fluoranthene
Concen: 8.575 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

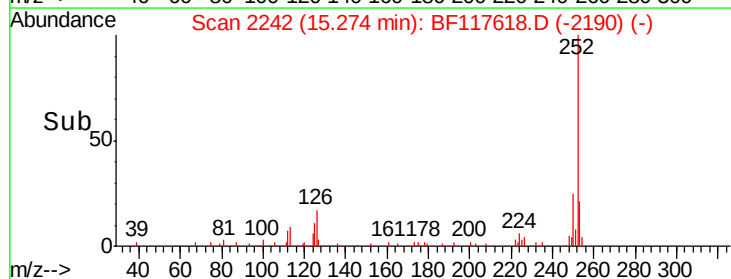
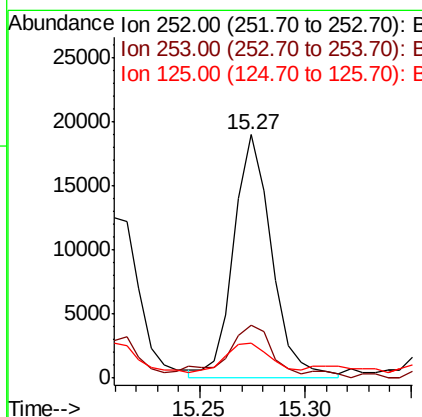
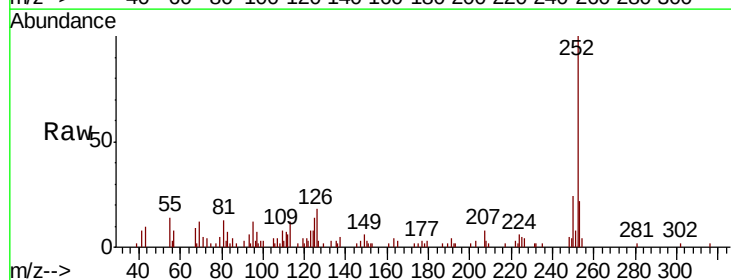
Instrument :
BNA_F
ClientSampleId :

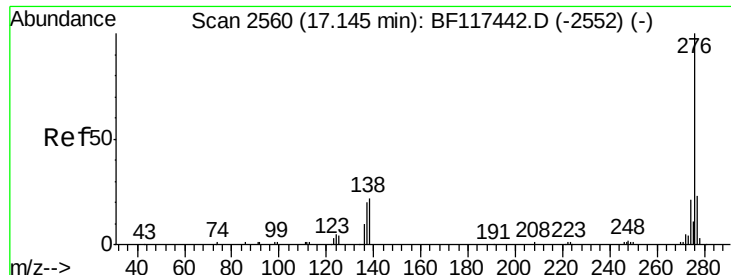
Tot Ion:252 Resp: 41814
Ion Ratio Lower Upper
252 100
253 25.6 18.0 27.0
125 19.2 8.9 13.3#



#90
Benzo(a)pyrene
Concen: 5.501 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117618.D
Acq: 30 Oct 2019 12:26

Tgt Ion:252 Resp: 23798
Ion Ratio Lower Upper
252 100
253 22.0 16.3 24.5
125 14.4 9.2 13.8#





#92

Benzo(a,h,i)perylene

Concen: 3.134 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.04 min

Lab File: BF117618.D

Acq: 30 Oct 2019 12:26

Instrument :

BNA_F

ClientSampleId :

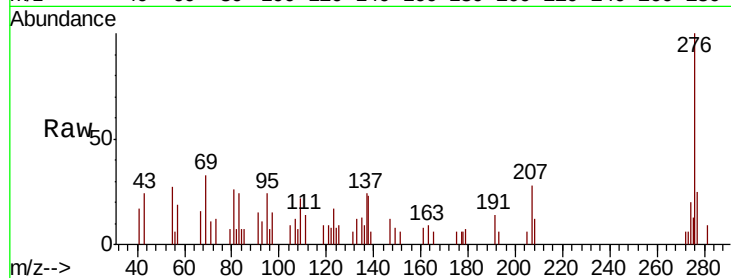
Tot Ion:276 Resp: 11090

Ion Ratio Lower Upper

276 100

277 25.0 18.4 27.6

138 29.7 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

