

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
 Data File : BF117968.D
 Acq On : 23 Nov 2019 20:31
 Operator : JU
 Sample : K5865-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 25 07:54:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

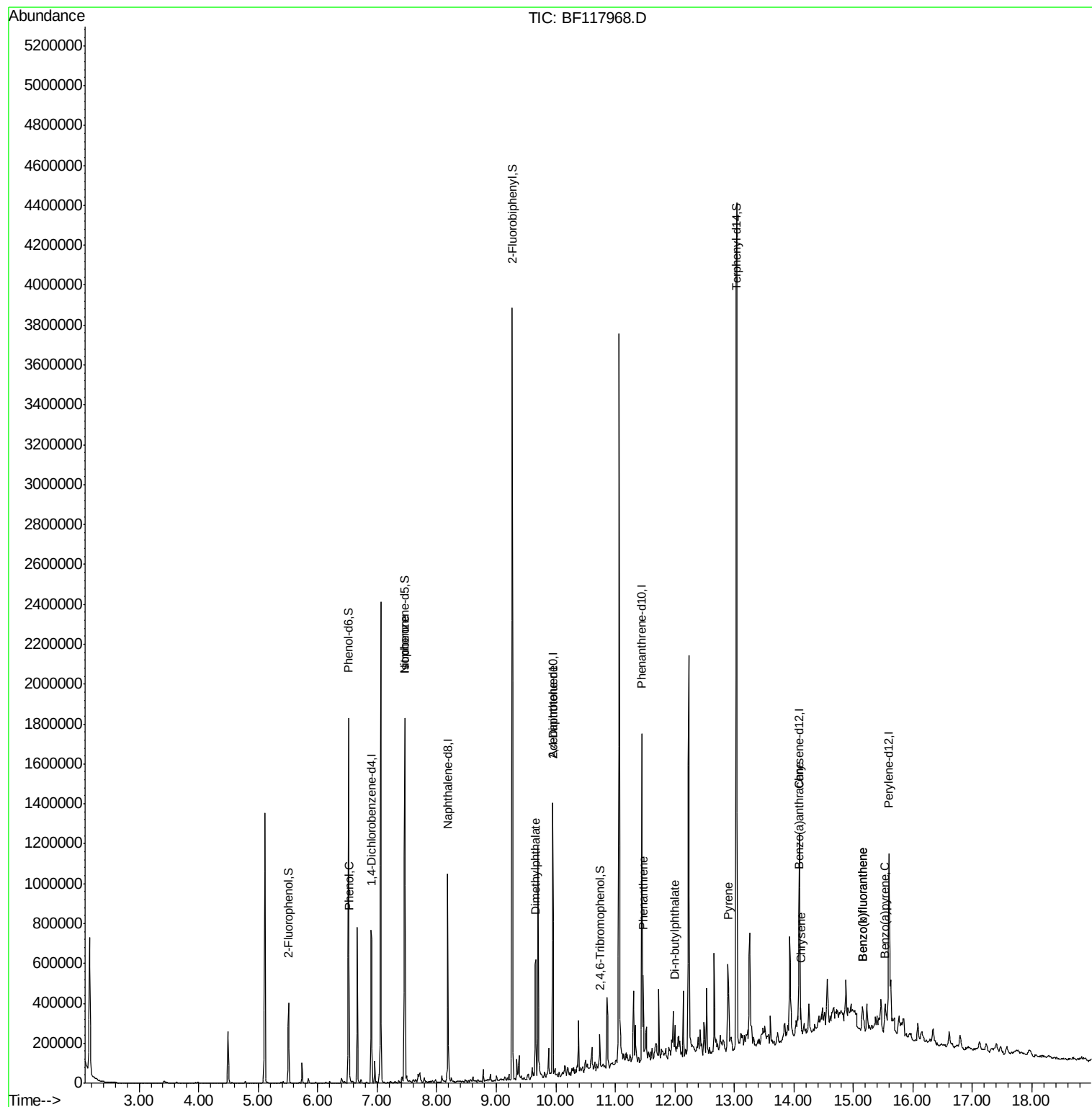
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	116042	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	464163	20.00	ng	-0.03
39) Acenaphthene-d10	9.95	164	246442	20.00	ng	-0.02
64) Phenanthrene-d10	11.45	188	552719	20.00	ng	-0.02
76) Chrysene-d12	14.09	240	303045	20.00	ng	-0.02
87) Perylene-d12	15.60	264	399425	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	103187	15.74	ng	-0.02
7) Phenol-d6	6.52	99	600047	75.89	ng	-0.02
23) Nitrobenzene-d5	7.46	82	545179	69.82	ng	-0.03
42) 2,4,6-Tribromophenol	10.75	330	18118	6.94	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	1107387	80.61	ng	-0.02
79) Terphenyl-d14	13.04	244	1525695	92.01	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.45	77	1890	Below Cal		Qvalue 84
10) Phenol	6.53	94	19124	2.327 ng		97
25) Isophorone	7.46	82	545176	38.094 ng	#	62
50) Dimethylphthalate	9.66	163	224954	13.017 ng		97
57) 2,4-Dinitrotoluene	9.95	165	32439	6.752 ng	#	25
71) Phenanthrene	11.47	178	141459	5.090 ng		96
74) Di-n-butylphthalate	12.00	149	64522	2.152 ng		98
75) Fluoranthene	12.66	202	175915	Below Cal		99
78) Pyrene	12.89	202	159853	6.527 ng		98
81) Benzo(a)anthracene	14.08	228	63172	3.155 ng		99
83) Chrysene	14.12	228	56840	2.929 ng		97
88) Benzo(b)fluoranthene	15.15	252	85309	3.287 ng	#	94
89) Benzo(k)fluoranthene	15.15	252	85309	3.489 ng	#	92
90) Benzo(a)pyrene	15.53	252	51400	2.252 ng	#	90

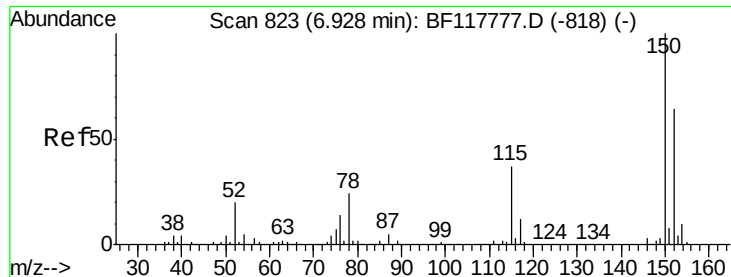
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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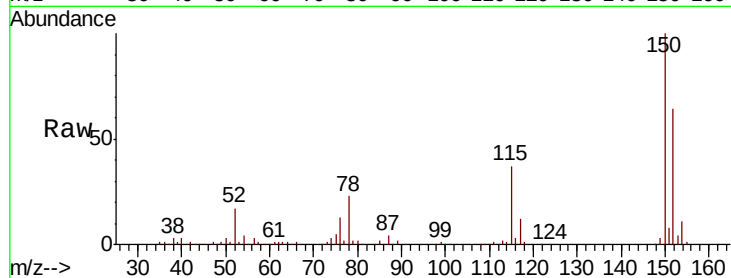


#1

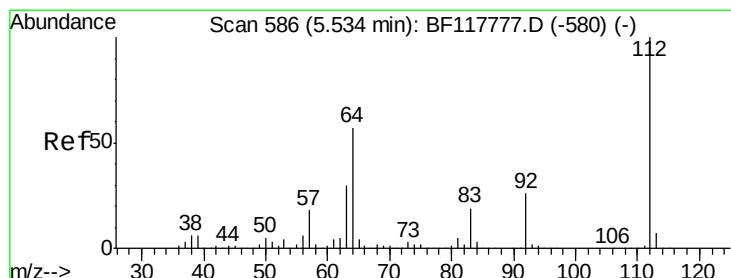
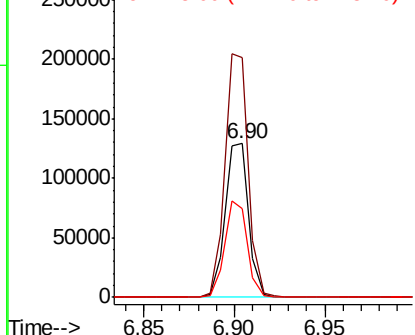
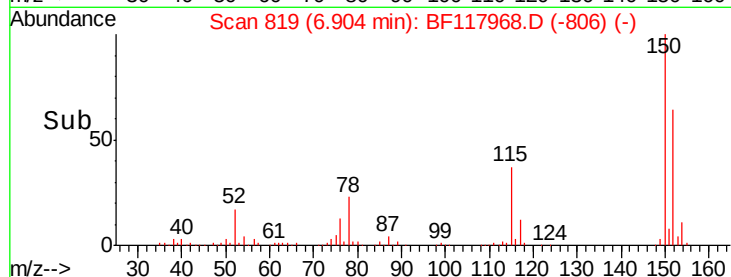
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 116042
Ion Ratio Lower Upper
152 100
150 156.1 125.3 187.9
115 57.3 47.0 70.4



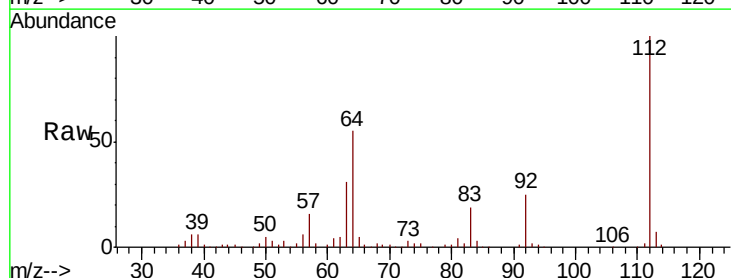
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



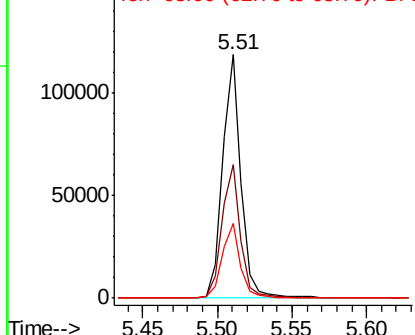
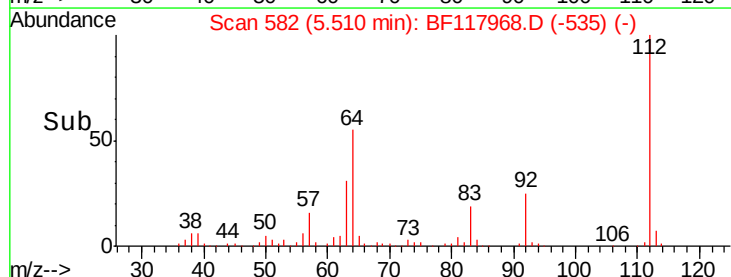
#5

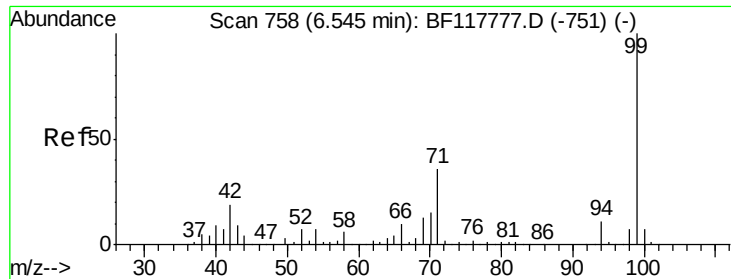
2-Fluorophenol
Concen: 15.740 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.02 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

Tgt Ion:112 Resp: 103187
Ion Ratio Lower Upper
112 100
64 54.7 45.6 68.4
63 30.7 24.1 36.1



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: 75.886 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF117968.D

Acq: 23 Nov 2019 20:31

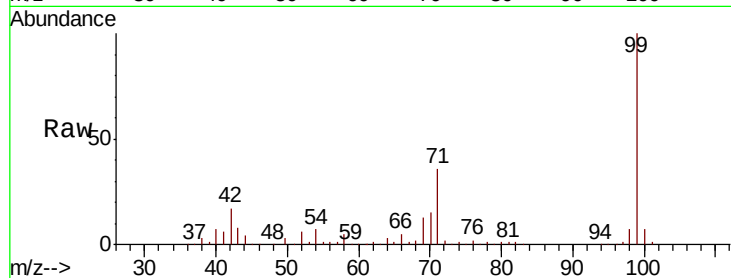
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 600047

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.9	22.3
71	35.8	28.6	43.0

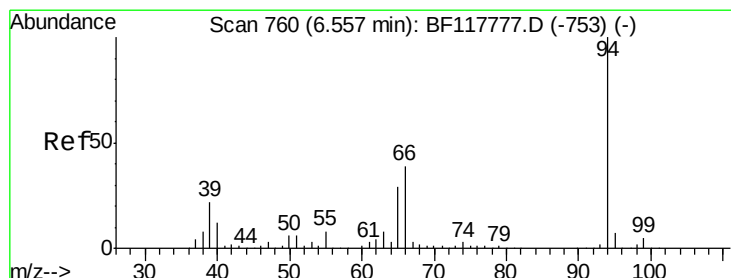
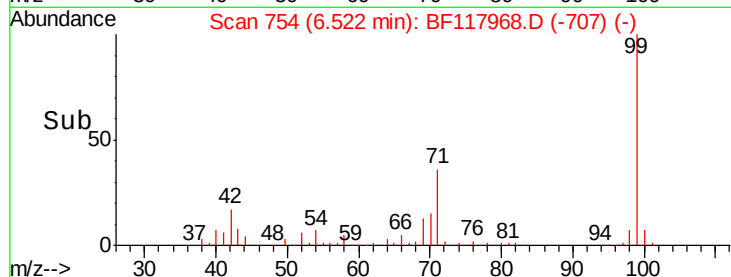
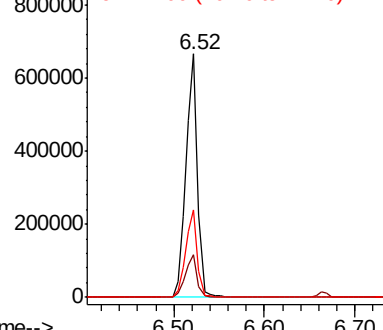


Abundance

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: 2.327 ng

RT: 6.53 min Scan# 756

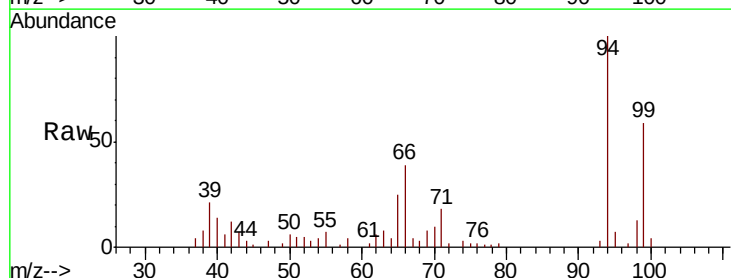
Delta R.T. -0.02 min

Lab File: BF117968.D

Acq: 23 Nov 2019 20:31

Tgt Ion: 94 Resp: 19124

Ion	Ratio	Lower	Upper
94	100		
65	25.2	8.9	48.9
66	39.1	18.7	58.7

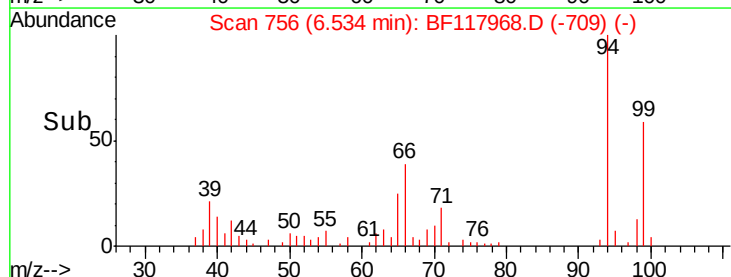
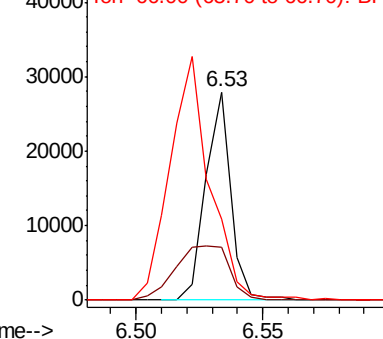


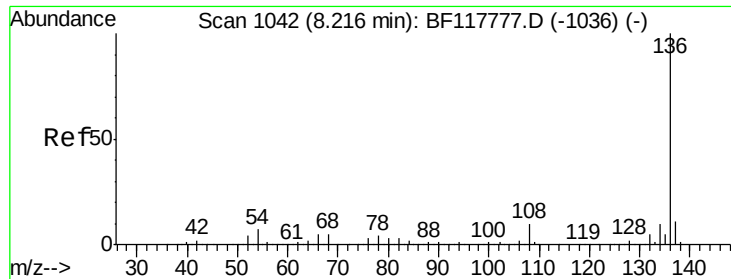
Abundance

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

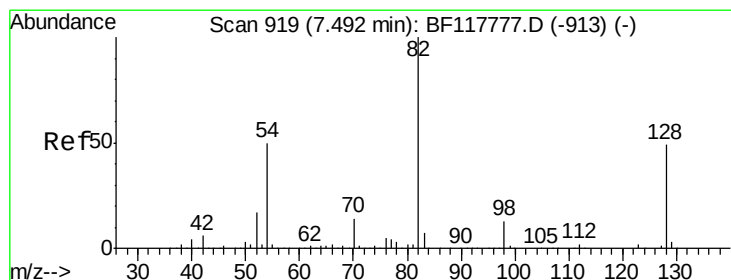
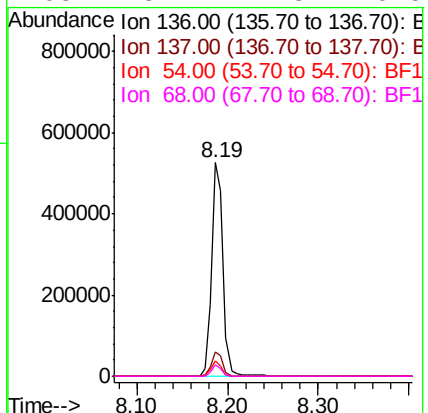
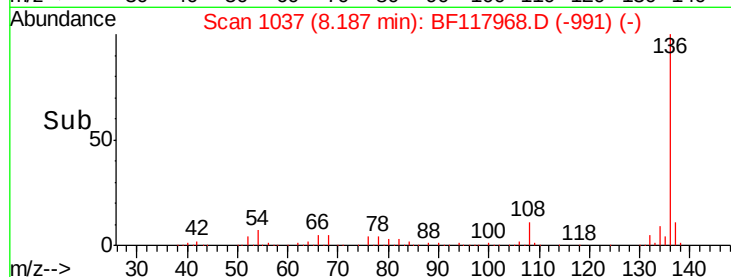
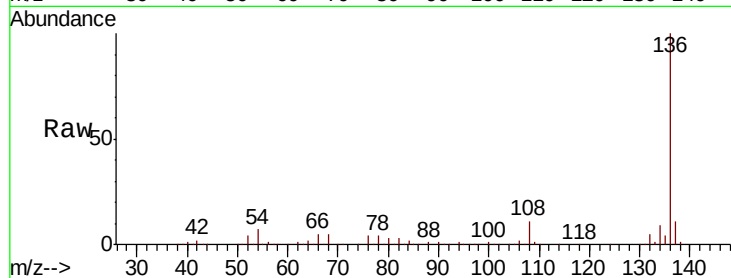




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.03 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

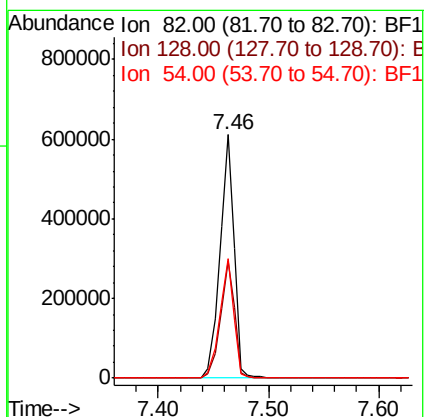
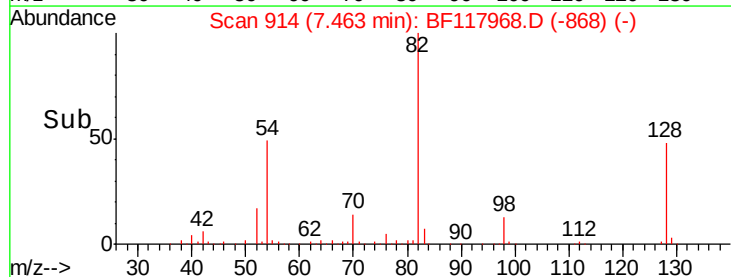
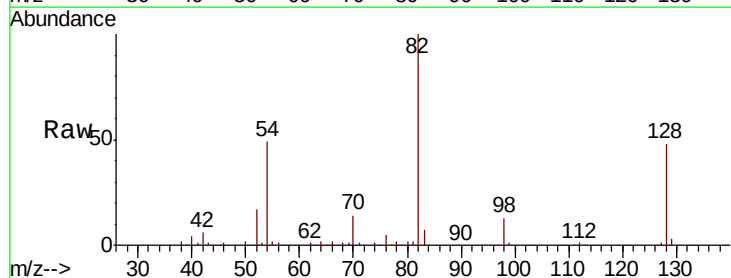
Instrument :
BNA_F
ClientSampleId :

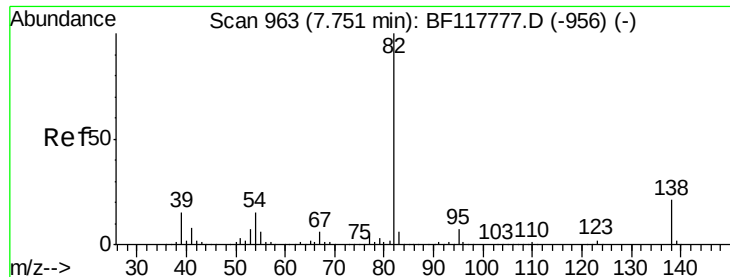
Tot Ion:136	Resp:	464163
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.0 13.4
54	7.0	5.4 8.2
68	5.2	4.3 6.5



#23
Nitrobenzene-d5
Concen: 69.822 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.03 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

Tgt Ion: 82	Resp:	545179
Ion Ratio	Lower	Upper
82	100	
128	48.0	38.9 58.3
54	49.0	39.8 59.6





#25

Isophorone

Concen: 38.094 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.29 min

Lab File: BF117968.D

Acq: 23 Nov 2019 20:31

Instrument :

BNA_F

ClientSampleId :

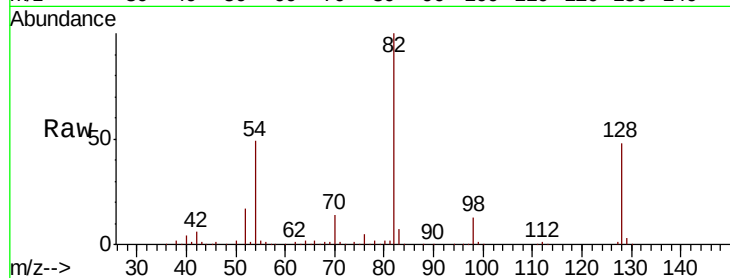
Tot Ion: 82 Resp: 545176

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

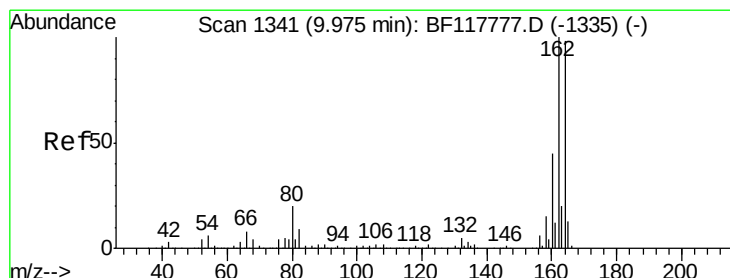
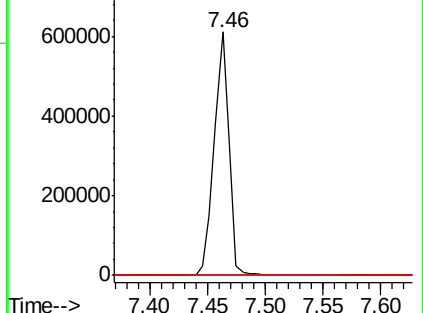
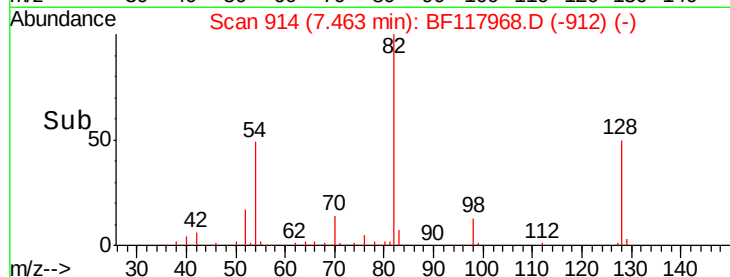
138 0.0 16.5 24.7#



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: 9.95 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF117968.D

Acq: 23 Nov 2019 20:31

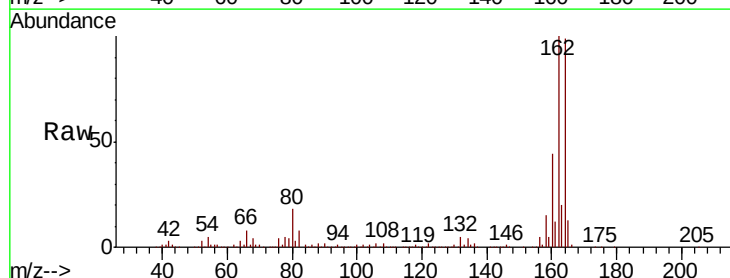
Tgt Ion: 164 Resp: 246442

Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

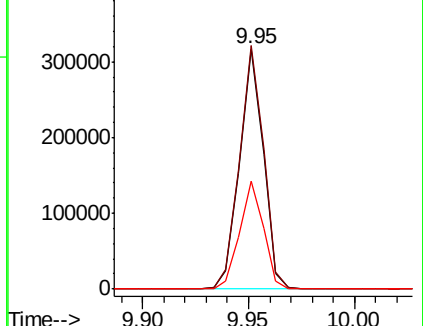
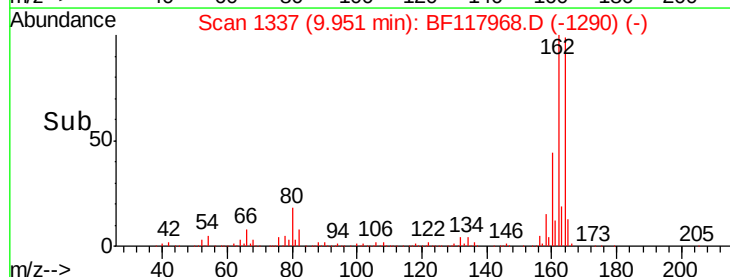
160 45.0 36.6 55.0

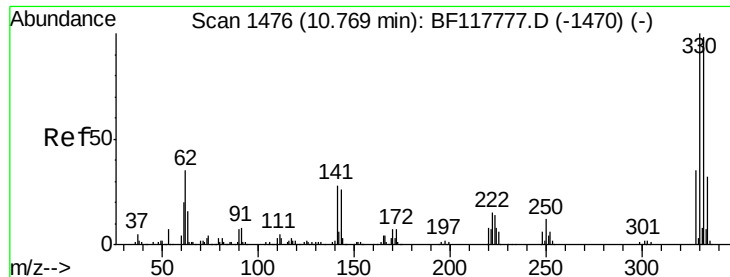


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 6.944 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.02 min

Lab File: BF117968.D

Acq: 23 Nov 2019 20:31

Instrument :

BNA_F

ClientSampleId :

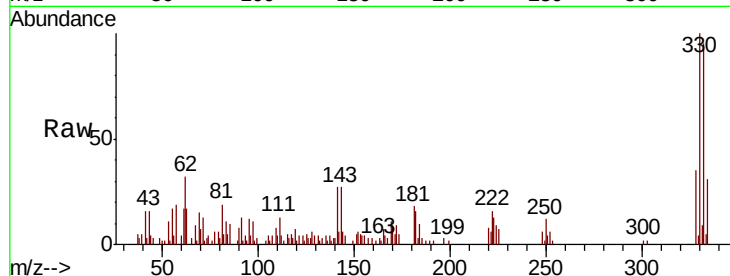
Tot Ion:330 Resp: 18118

Ion Ratio Lower Upper

330 100

332 100.4 76.7 115.1

141 31.6 27.7 41.5

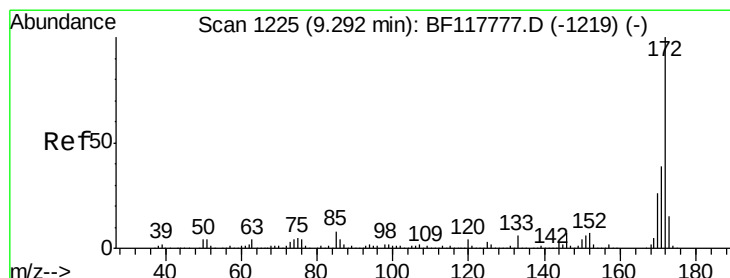
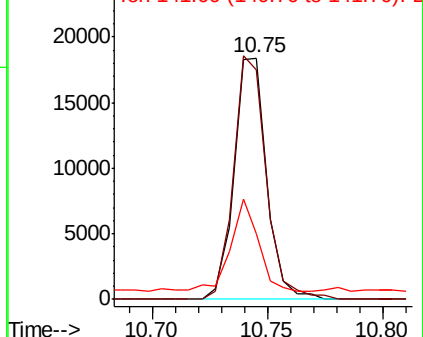
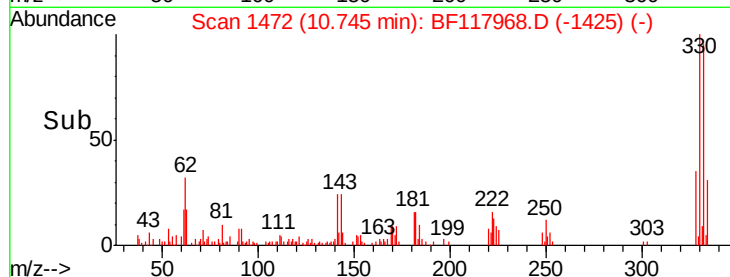


Abundance

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: 80.615 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.02 min

Lab File: BF117968.D

Acq: 23 Nov 2019 20:31

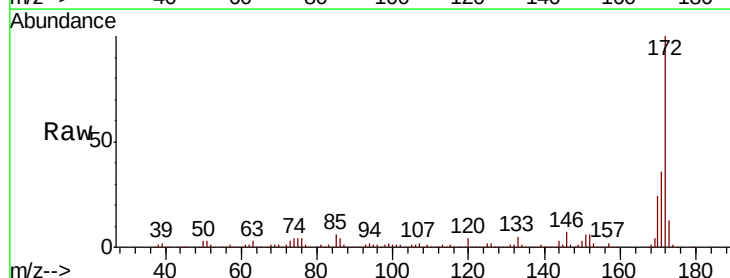
Tgt Ion:172 Resp: 1107387

Ion Ratio Lower Upper

172 100

171 36.5 30.9 46.3

170 24.3 21.0 31.4

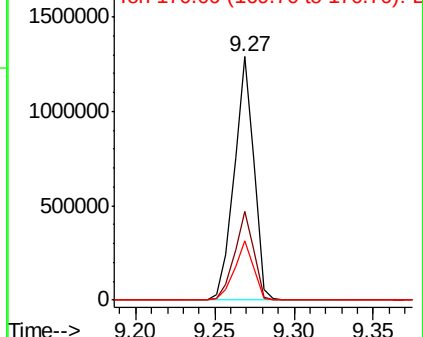
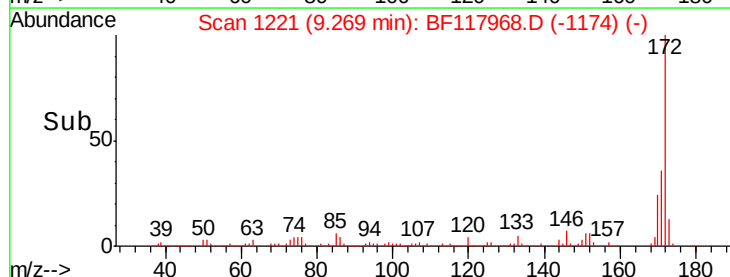


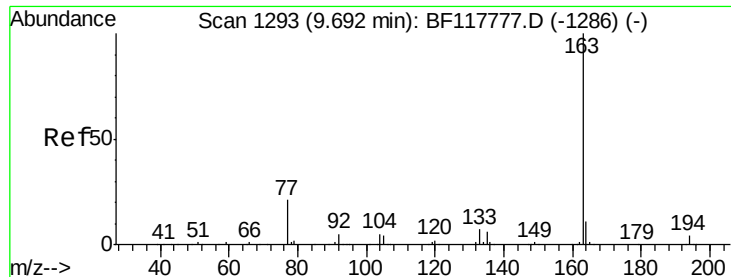
Abundance

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

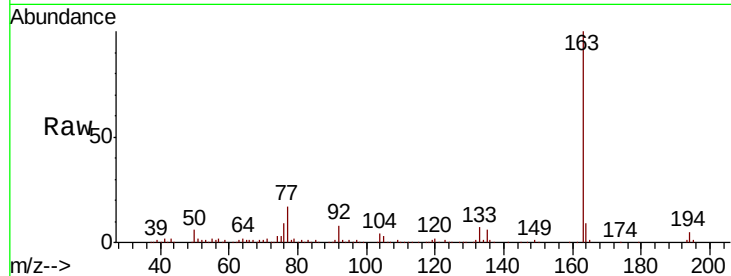




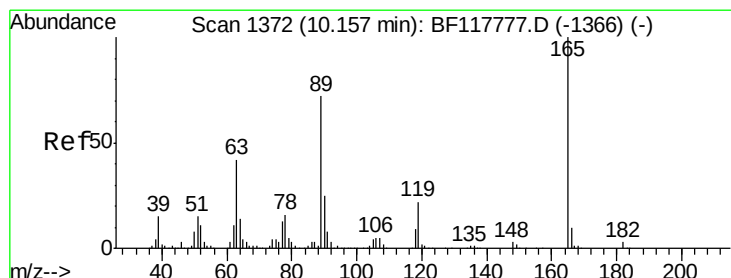
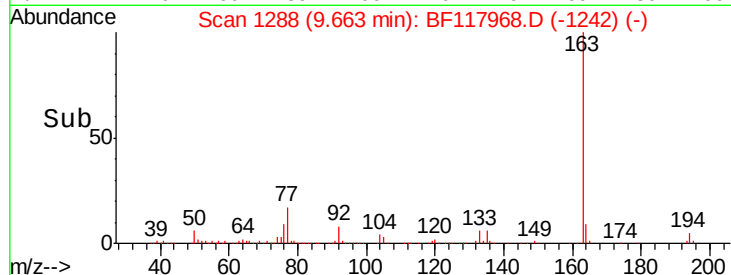
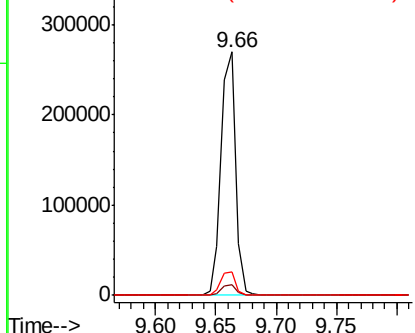
#50
Dimethylphthalate
Concen: 13.017 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 224954
Ion Ratio Lower Upper
163 100
194 4.5 3.3 4.9
164 9.5 8.7 13.1

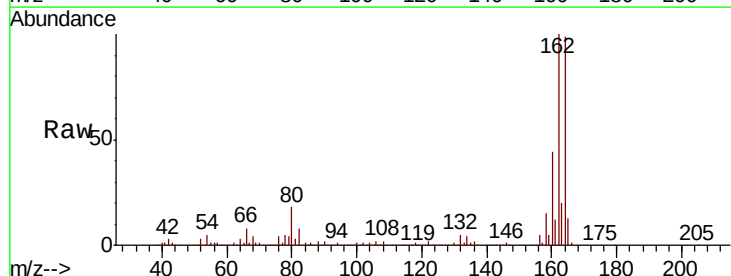


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

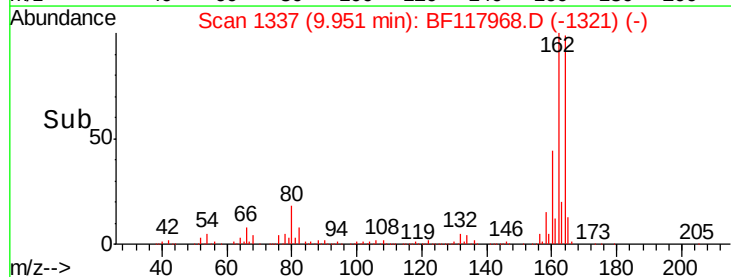
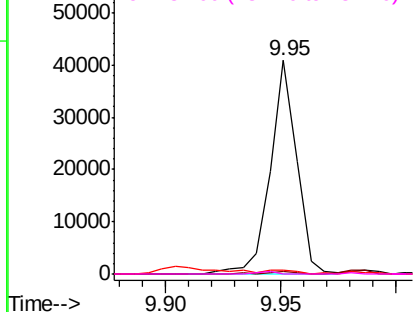


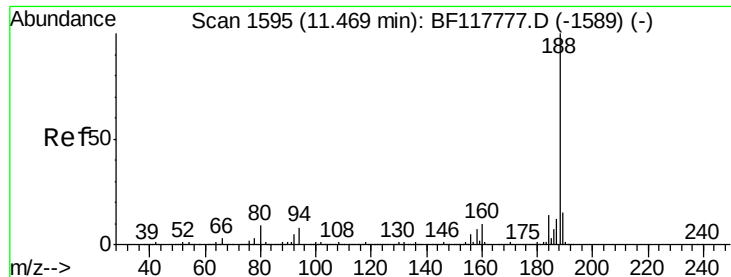
#57
2,4-Dinitrotoluene
Concen: 6.752 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.21 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

Tgt Ion:165 Resp: 32439
Ion Ratio Lower Upper
165 100
63 1.5 33.7 50.5#
89 2.0 57.3 85.9#
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

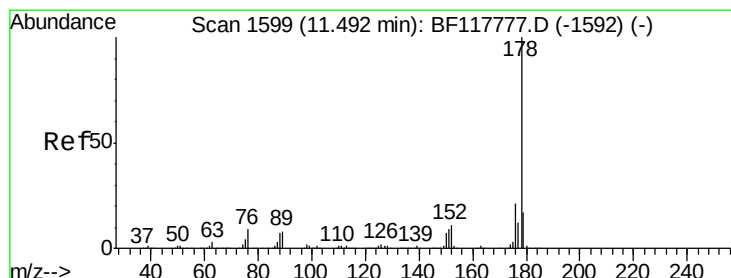
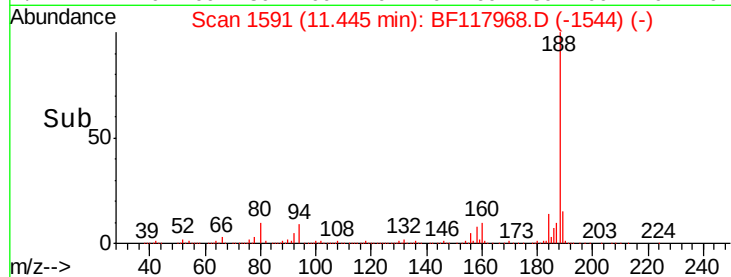
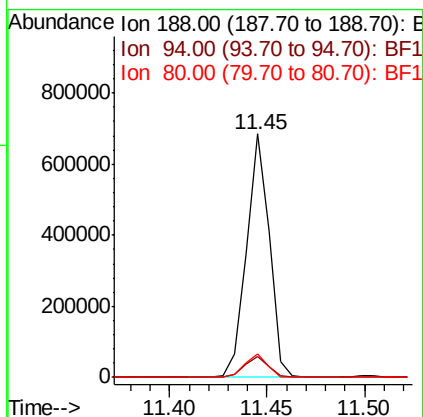
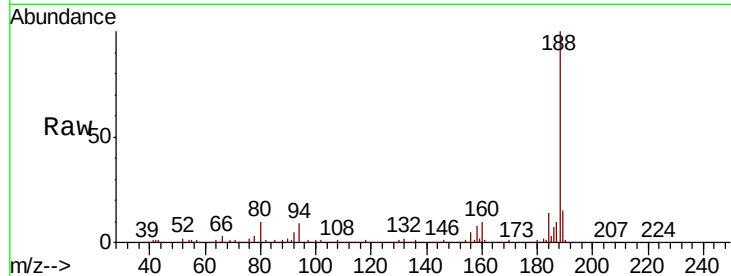




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

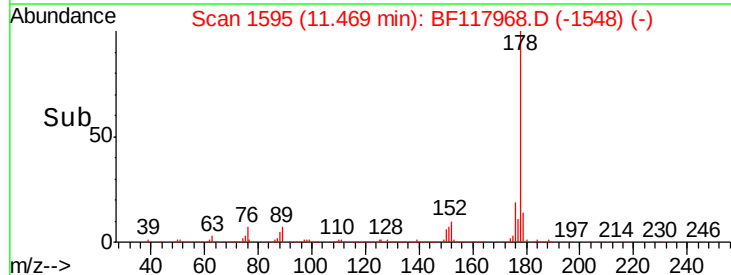
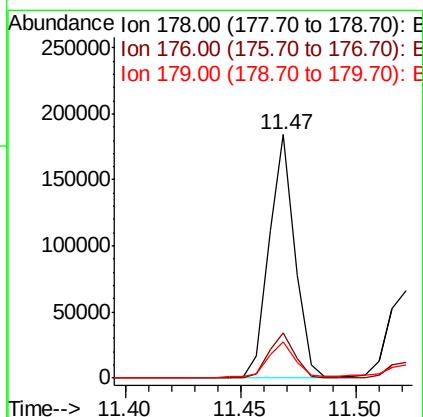
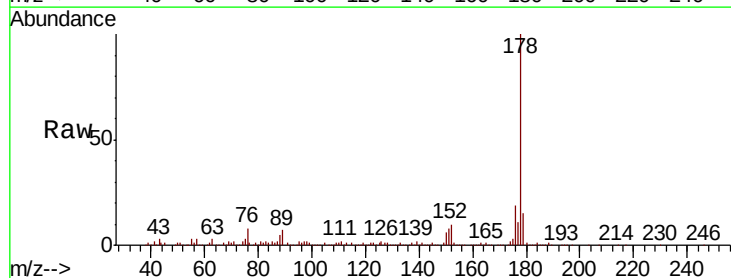
Instrument :
BNA_F
ClientSampleId :

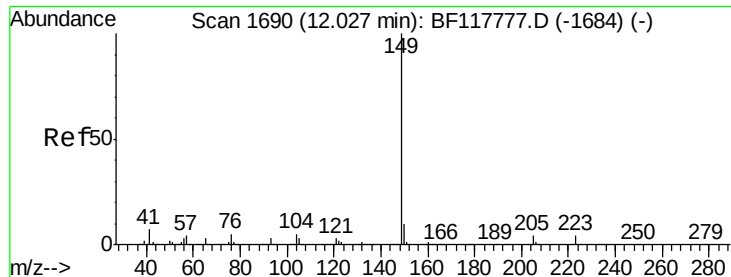
Tot Ion:188 Resp: 552719
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.6 7.2 10.8



#71
Phenanthrene
Concen: 5.090 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

Tgt Ion:178 Resp: 141459
Ion Ratio Lower Upper
178 100
176 18.7 16.6 25.0
179 14.8 13.2 19.8

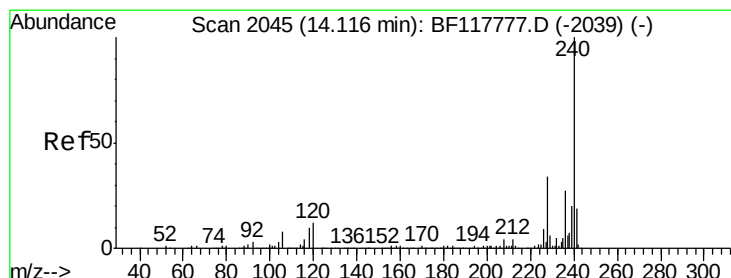
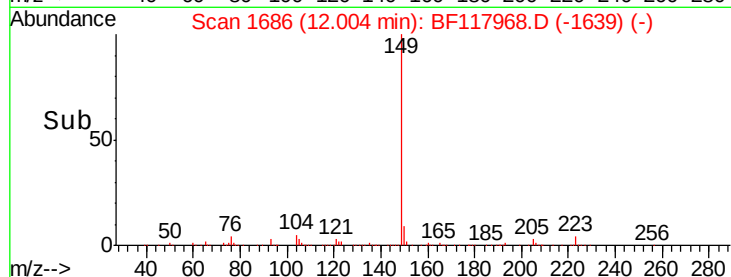
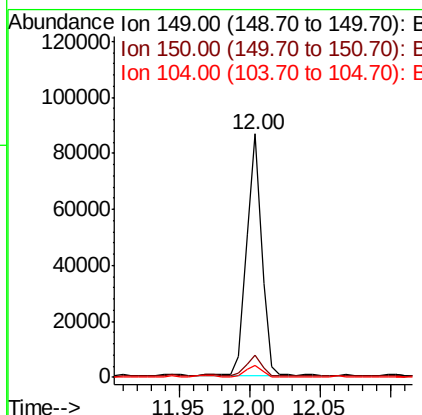
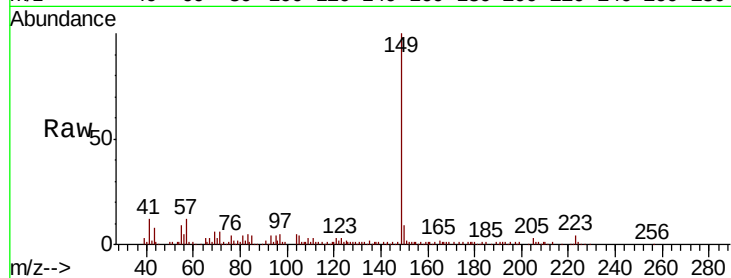




#74
Di-n-butylphthalate
Concen: 2.152 ng
RT: 12.00 min Scan# 1686
Delta R.T. -0.02 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

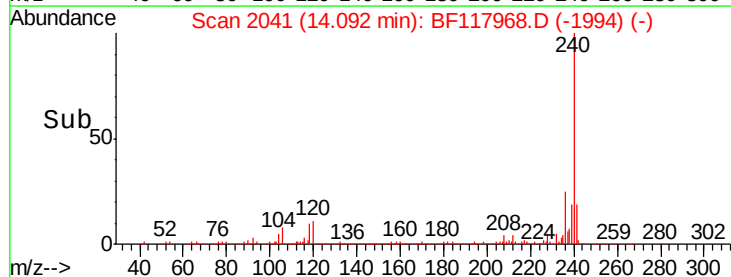
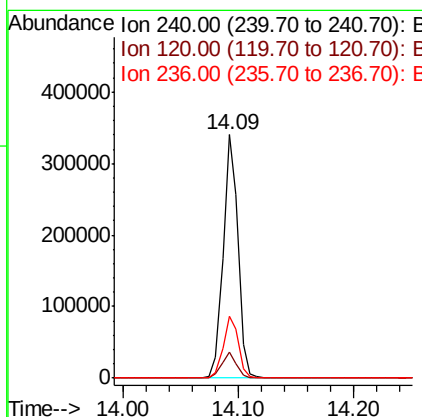
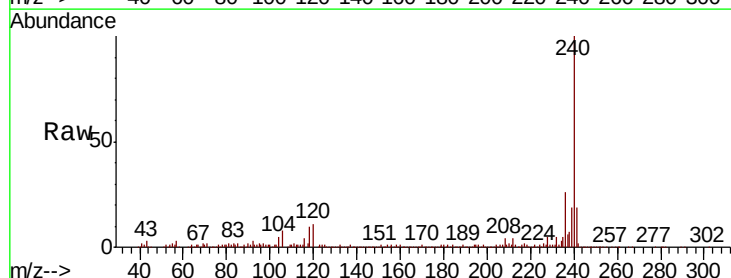
Instrument :
BNA_F
ClientSampleId :

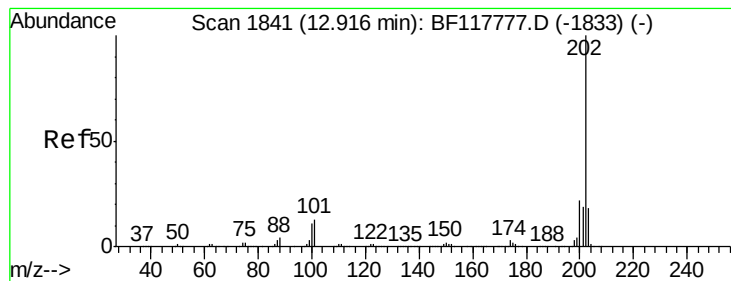
Tot Ion:149 Resp: 64522
Ion Ratio Lower Upper
149 100
150 9.3 7.9 11.9
104 4.7 4.2 6.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.02 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

Tgt Ion:240 Resp: 303045
Ion Ratio Lower Upper
240 100
120 10.8 9.5 14.3
236 25.5 21.3 31.9





#78

Pvrene

Concen: 6.527 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.02 min

Lab File: BF117968.D

Acq: 23 Nov 2019 20:31

Instrument :

BNA_F

ClientSampleId :

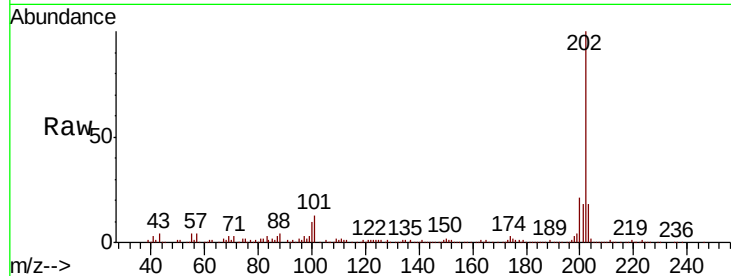
Tot Ion:202 Resp: 159853

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.8

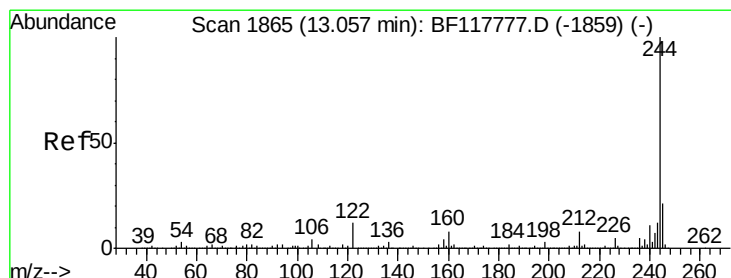
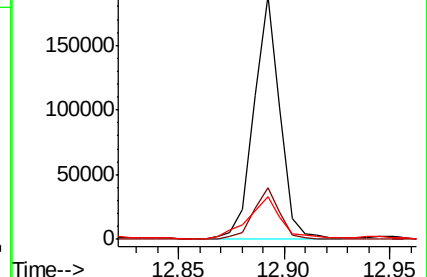
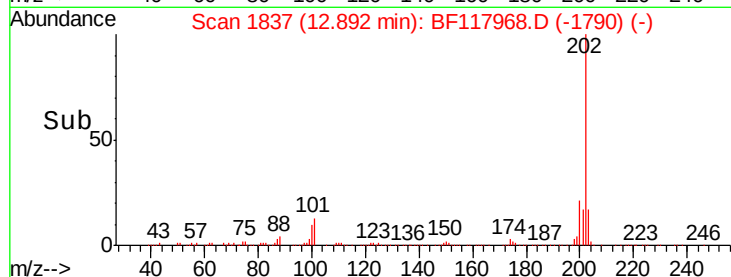
203 17.6 14.6 22.0



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: 92.012 ng

RT: 13.04 min Scan# 1862

Delta R.T. -0.02 min

Lab File: BF117968.D

Acq: 23 Nov 2019 20:31

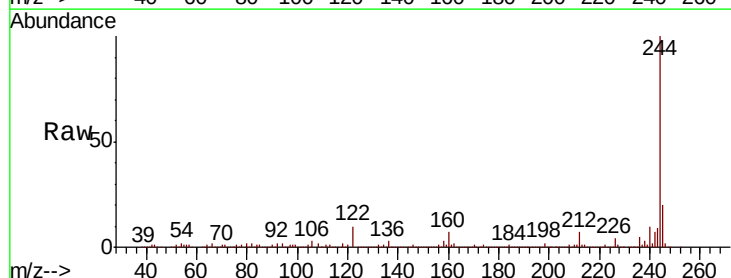
Tgt Ion:244 Resp: 1525695

Ion Ratio Lower Upper

244 100

212 6.9 6.3 9.5

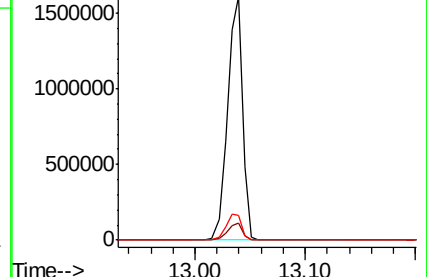
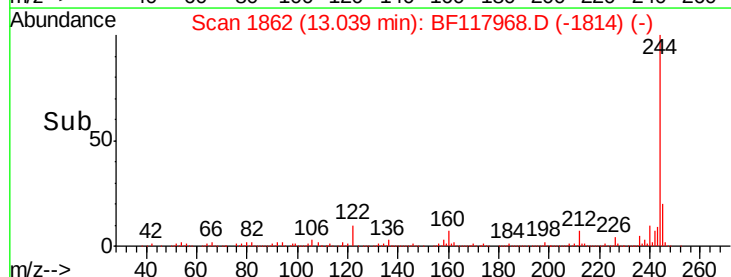
122 9.9 9.4 14.2

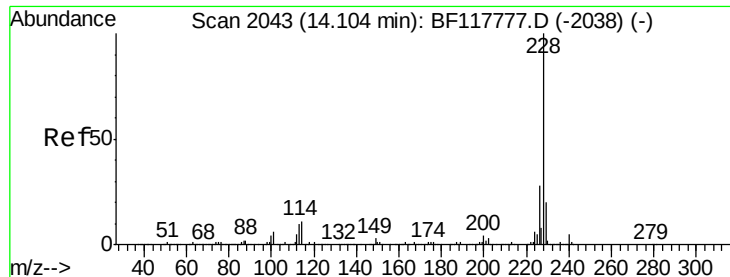


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

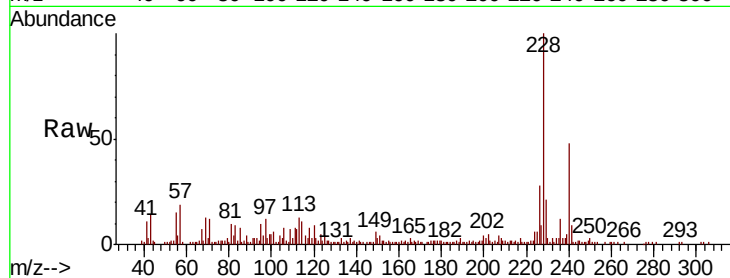




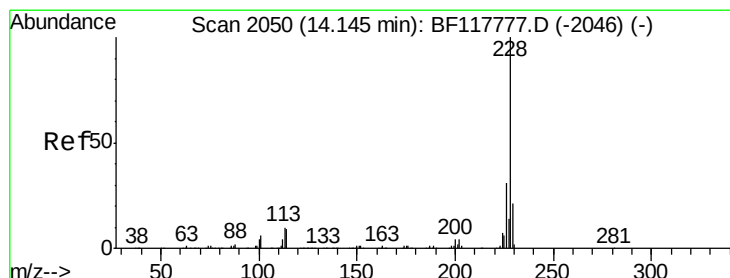
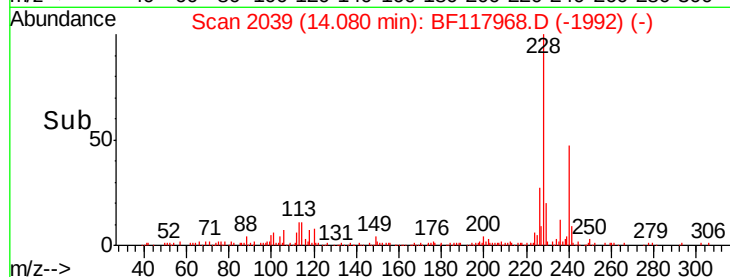
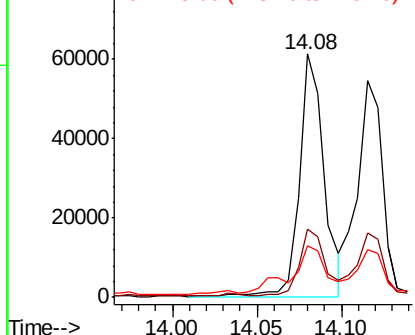
#81
Benzo(a)anthracene
Concen: 3.155 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 63172
Ion Ratio Lower Upper
228 100
226 28.1 22.2 33.2
229 21.0 15.9 23.9

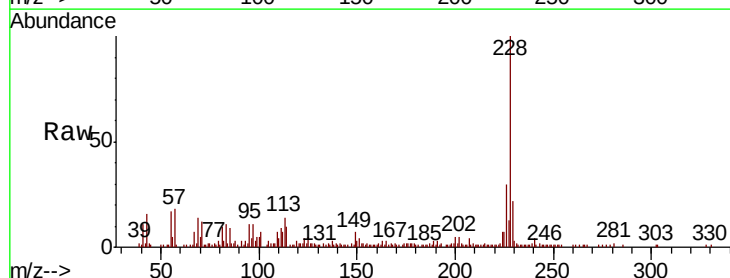


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

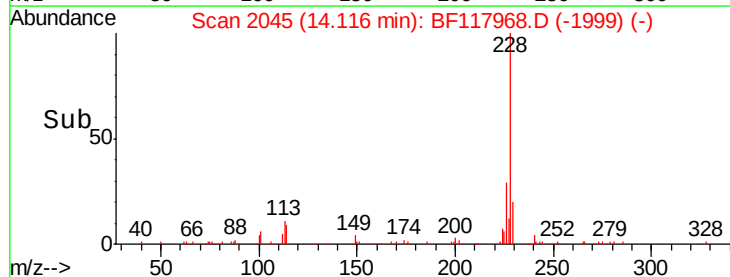
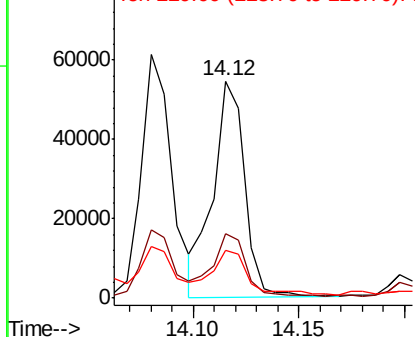


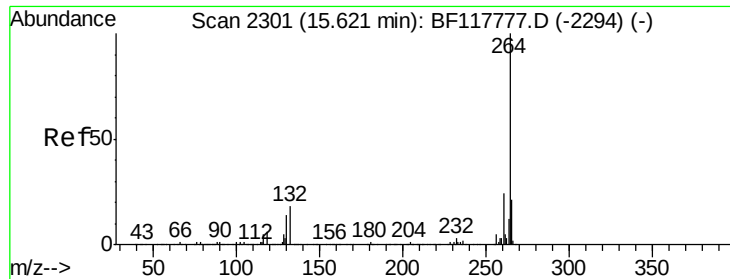
#83
Chrysene
Concen: 2.929 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.03 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

Tgt Ion:228 Resp: 56840
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.4
229 22.1 16.6 25.0



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.60 min Scan# 2297

Delta R.T. -0.02 min

Lab File: BF117968.D

Acq: 23 Nov 2019 20:31

Instrument :

BNA_F

ClientSampleId :

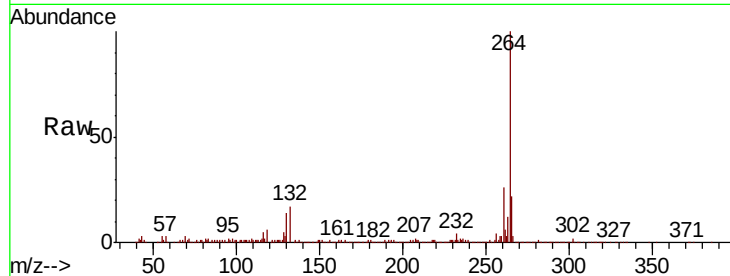
Tot Ion:264 Resp: 399425

Ion Ratio Lower Upper

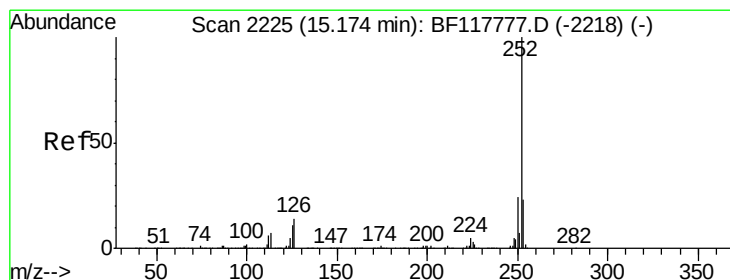
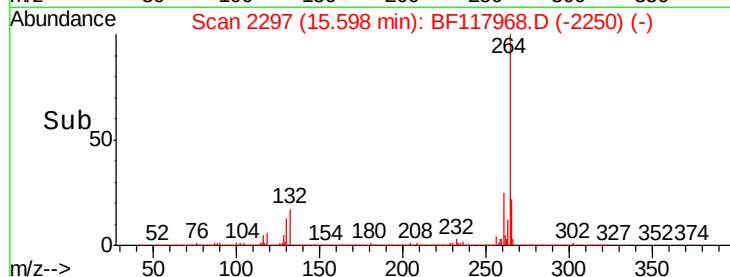
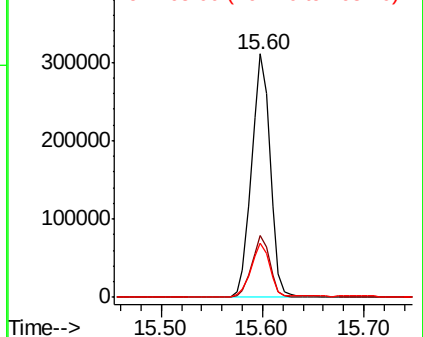
264 100

260 25.6 19.4 29.0

265 22.5 17.1 25.7



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: 3.287 ng

RT: 15.15 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BF117968.D

Acq: 23 Nov 2019 20:31

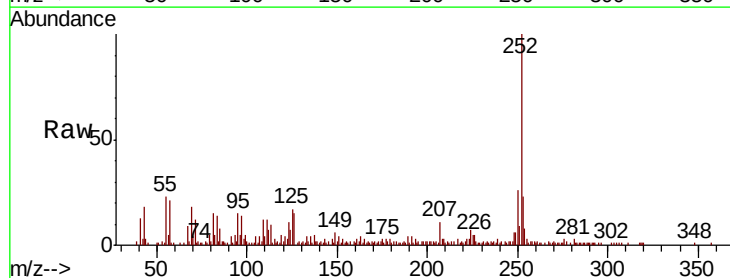
Tgt Ion:252 Resp: 85309

Ion Ratio Lower Upper

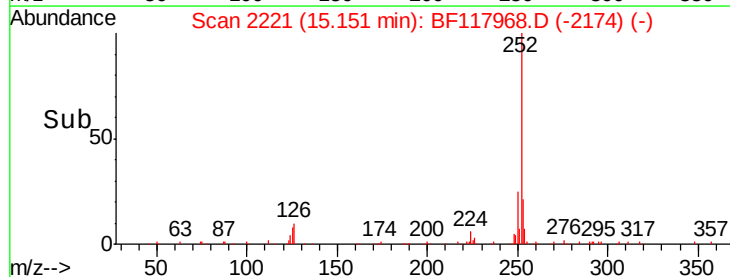
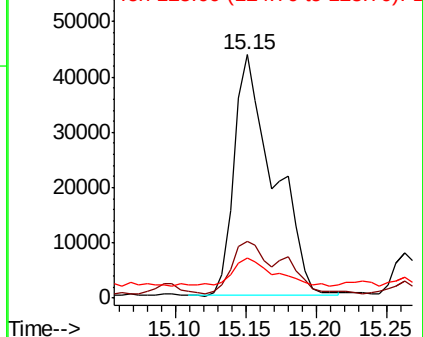
252 100

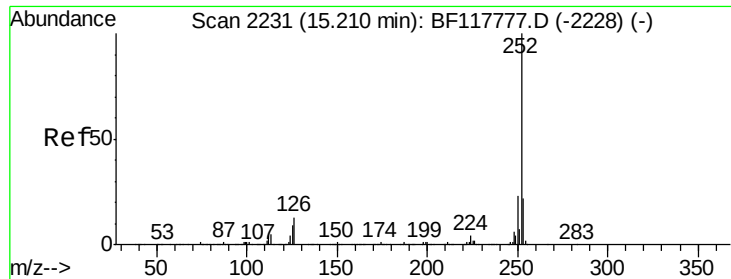
253 23.3 18.0 27.0

125 16.5 8.6 13.0#



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

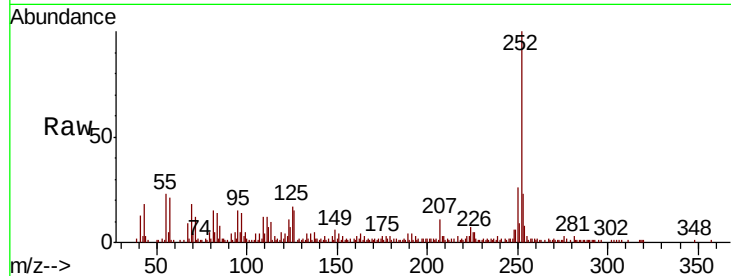




#89
Benzo(k)fluoranthene
Concen: 3.489 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.06 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	16.5	7.9	11.9

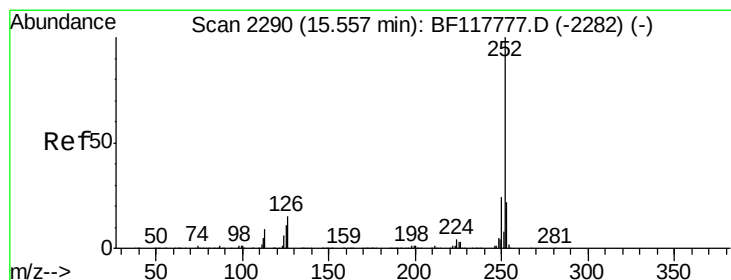
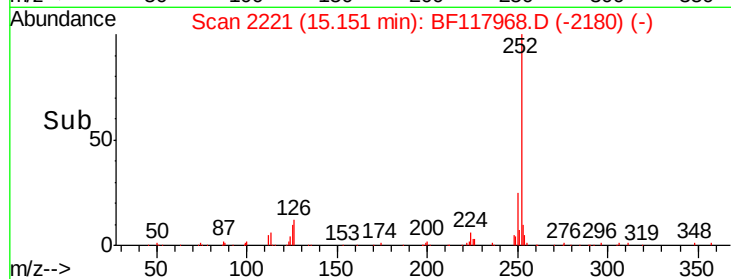
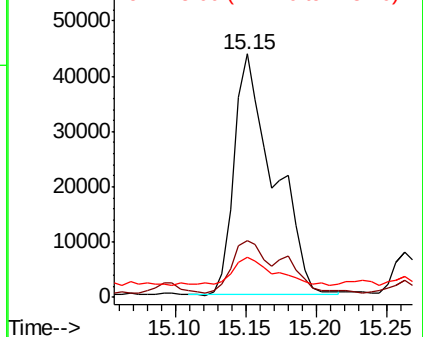


Abundance

Ion 252.00 (251.70 to 252.70): E

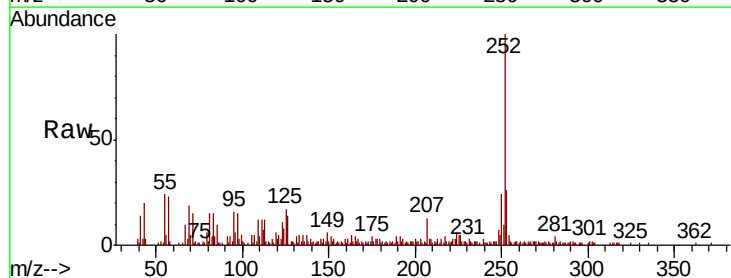
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.252 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.02 min
Lab File: BF117968.D
Acq: 23 Nov 2019 20:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.6
125	17.4	9.2	13.8



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

