

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117547.D
 Acq On : 25 Oct 2019 20:13
 Operator : JU
 Sample : K5498-11RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 191-36-(0-1)

Quant Time: Oct 26 00:13:58 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	41123	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	155259	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	69239	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	97453	20.00	ng	0.00
76) Chrysene-d12	13.90	240	80023	20.00	ng	0.00
87) Perylene-d12	15.33	264	58584	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	204694	74.05	ng	0.00
7) Phenol-d6	6.39	99	274332	73.89	ng	0.00
23) Nitrobenzene-d5	7.30	82	150678	47.91	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	36474	60.88	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	192276	39.13	ng	0.00
79) Terphenyl-d14	12.83	244	143872	29.33	ng	0.00

Target Compounds

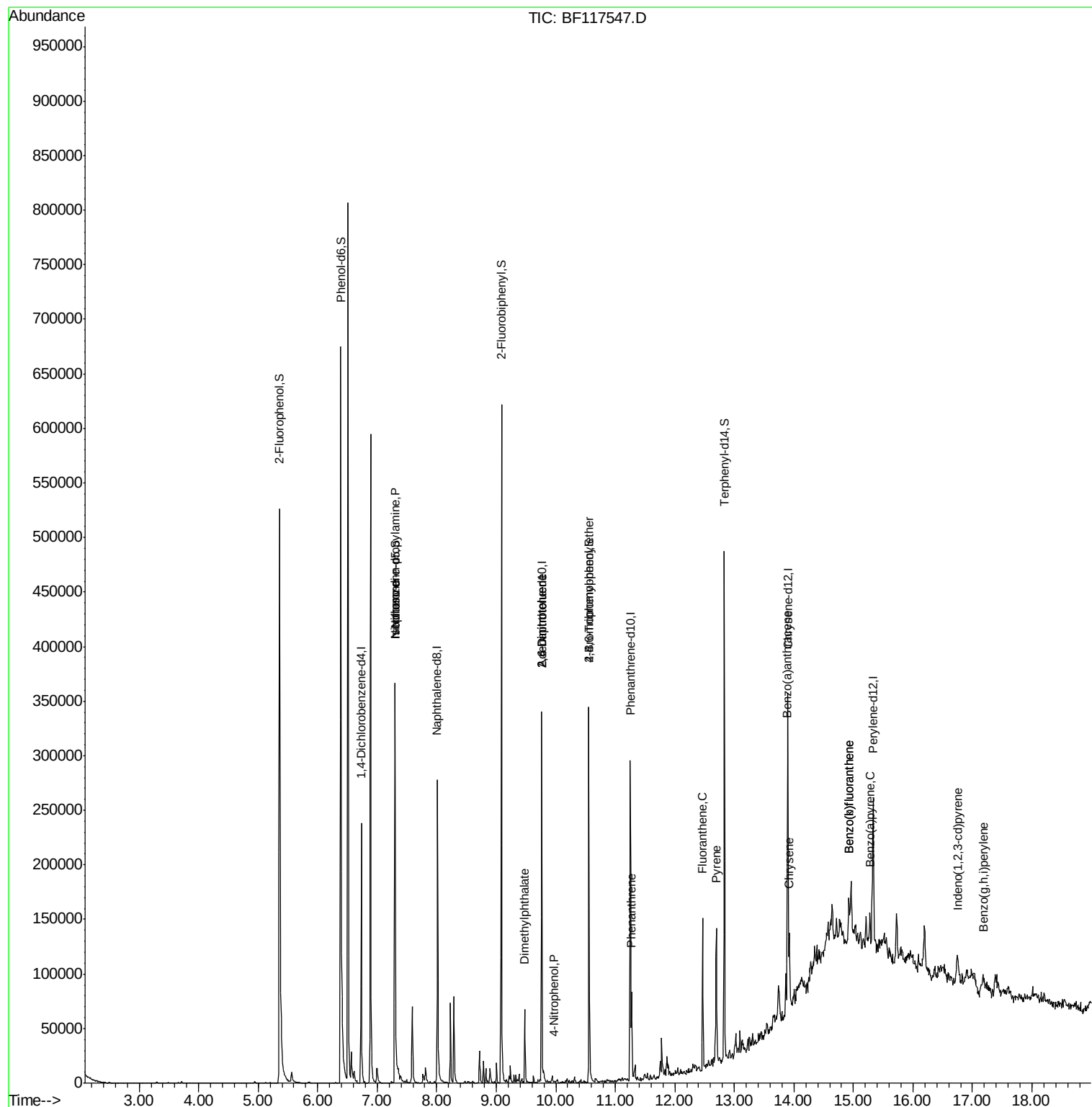
						Qvalue
9) Benzaldehyde	6.51	77	5102	Below Cal		85
19) n-Nitroso-di-n-propylamine	7.30	70	20302	8.954 ng	#	77
25) Isophorone	7.30	82	150677	27.695 ng	#	65
50) Dimethylphthalate	9.48	163	25645	5.196 ng		98
51) 2,6-Dinitrotoluene	9.76	165	9037	8.774 ng	#	22
56) 4-Nitrophenol	9.97	139	129	4.343 ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	9037	6.599 ng	#	12
67) 4-Bromophenyl-phenylether	10.56	248	2301	2.192 ng	#	1
71) Phenanthrene	11.27	178	29038	5.132 ng		99
75) Fluoranthene	12.47	202	54309	9.587 ng		98
77) Benzidine	12.83	184	2168	Below Cal	#	84
78) Pyrene	12.70	202	50252	7.311 ng		97
81) Benzo(a)anthracene	13.89	228	25979	4.813 ng		97
83) Chrysene	13.92	228	23561	4.454 ng		96
86) Indeno(1,2,3-cd)pyrene	16.76	276	9514	2.409 ng		94
88) Benzo(b)fluoranthene	14.93	252	29229	8.449 ng	#	90
89) Benzo(k)fluoranthene	14.93	252	29229	8.243 ng	#	90
90) Benzo(a)pyrene	15.27	252	15137	4.813 ng	#	87
92) Benzo(a,h,i)perylene	17.19	276	7944	3.087 ng	#	81

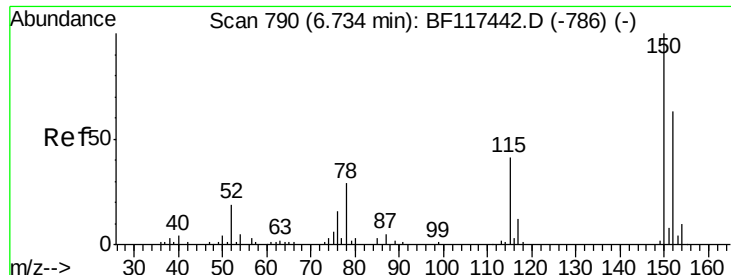
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117547.D
Acq On : 25 Oct 2019 20:13
Operator : JU
Sample : K5498-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

Quant Time: Oct 26 00:13:58 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



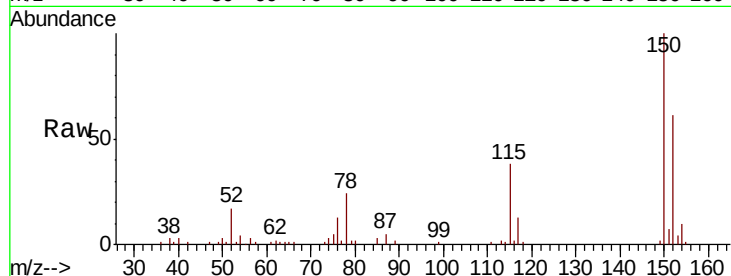


#1

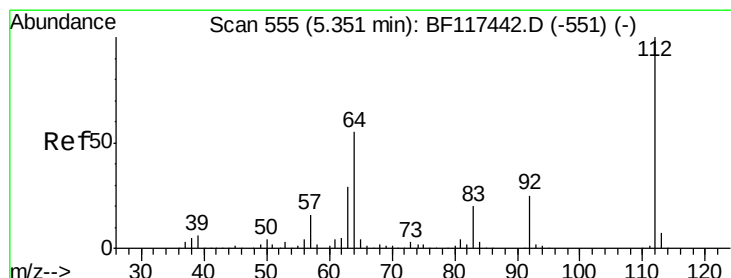
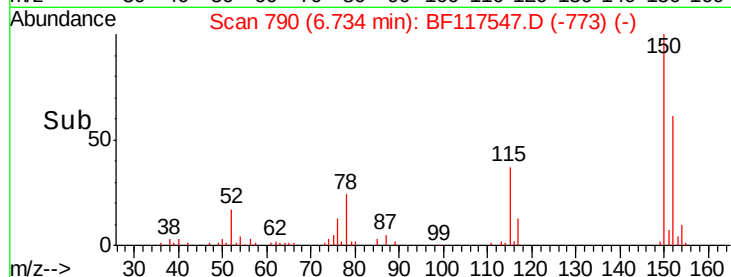
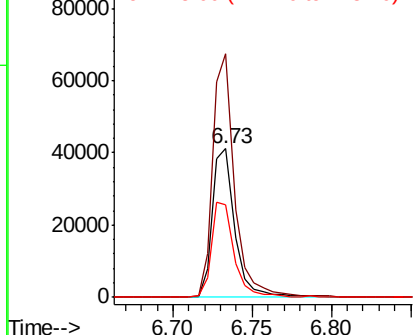
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

Tot Ion:152 Resp: 41123
Ion Ratio Lower Upper
152 100
150 164.1 126.8 190.2
115 62.2 51.6 77.4



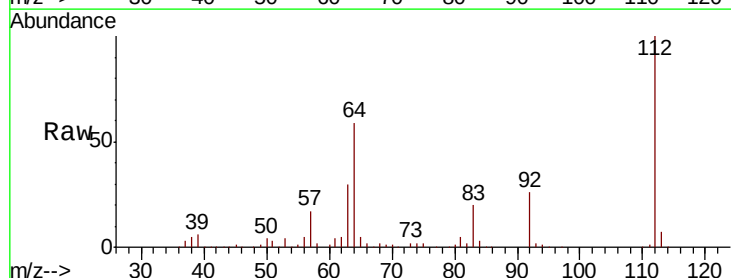
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



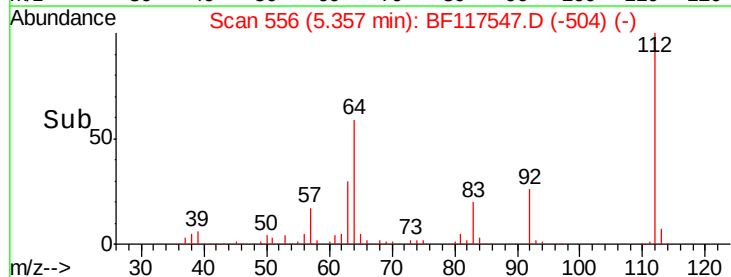
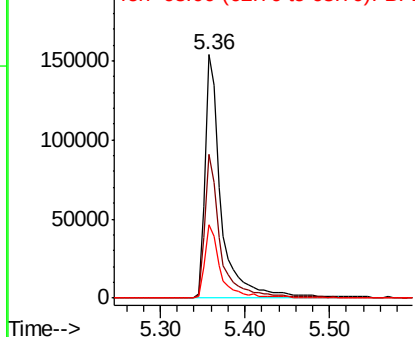
#5

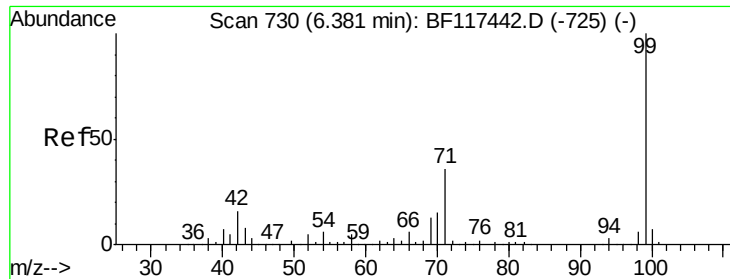
2-Fluorophenol
Concen: 74.052 ng
RT: 5.36 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

Tgt Ion:112 Resp: 204694
Ion Ratio Lower Upper
112 100
64 59.0 44.1 66.1
63 30.2 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: 73.892 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117547.D

Acq: 25 Oct 2019 20:13

Instrument :

BNA_F

ClientSampleId :

191-36-(0-1)

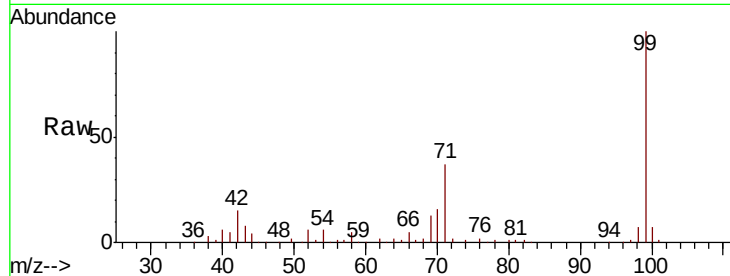
Tot Ion: 99 Resp: 274332

Ion Ratio Lower Upper

99 100

42 15.3 12.8 19.2

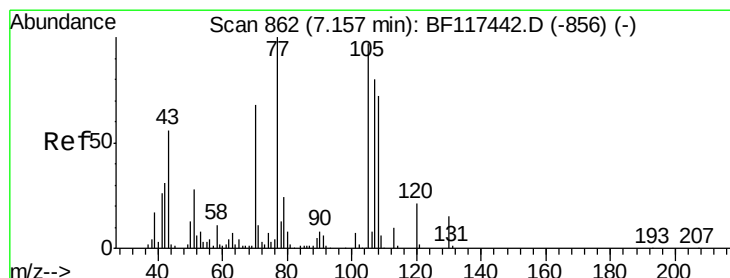
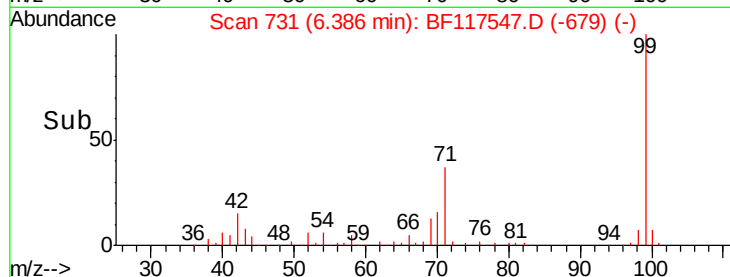
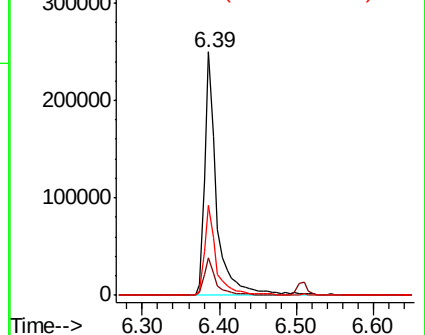
71 37.1 28.6 43.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.954 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117547.D

Acq: 25 Oct 2019 20:13

Tgt Ion: 70 Resp: 20302

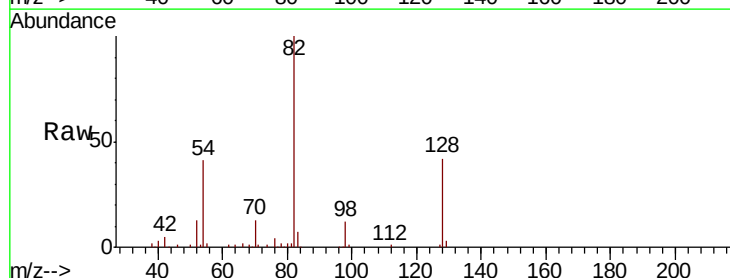
Ion Ratio Lower Upper

70 100

42 39.0 36.7 55.1

101 0.0 8.3 12.5#

130 0.0 18.1 27.1#

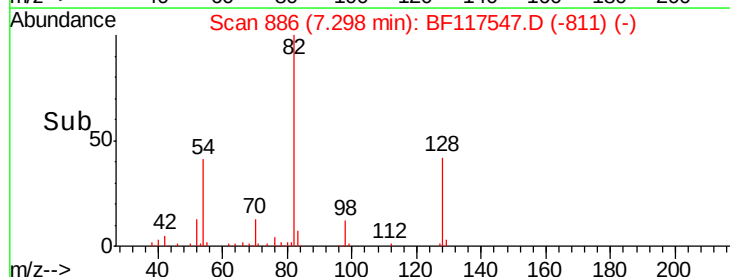
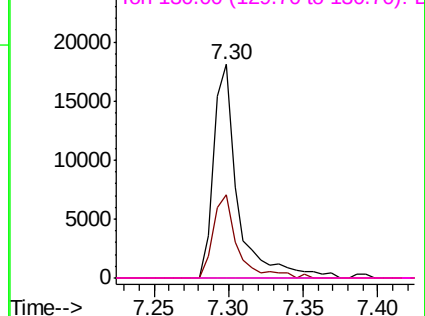


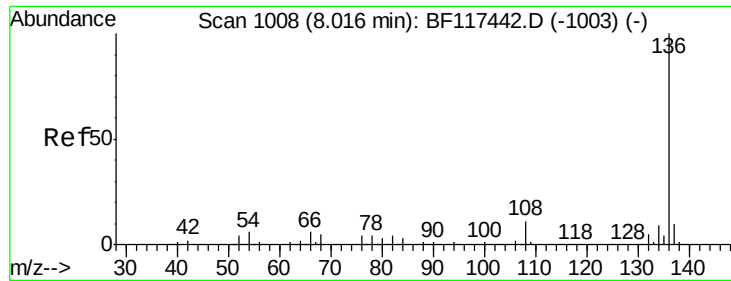
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

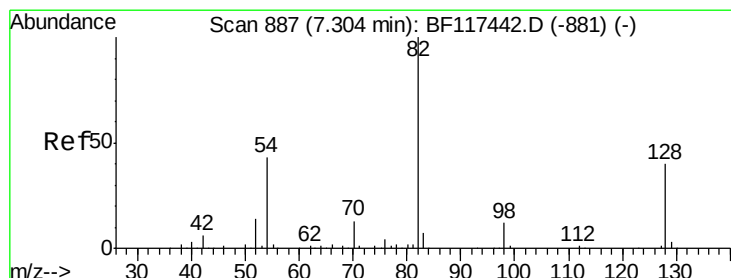
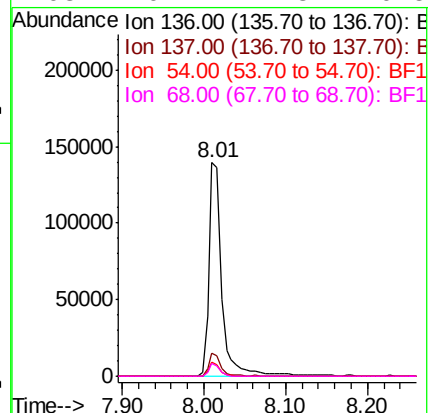
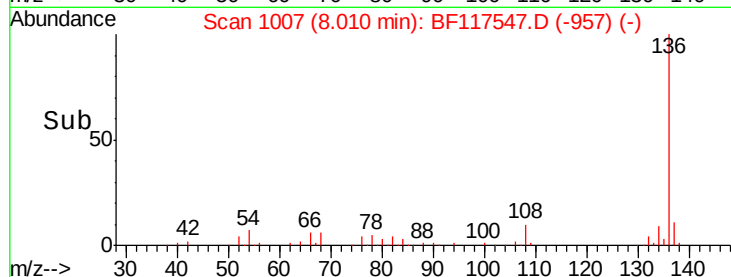
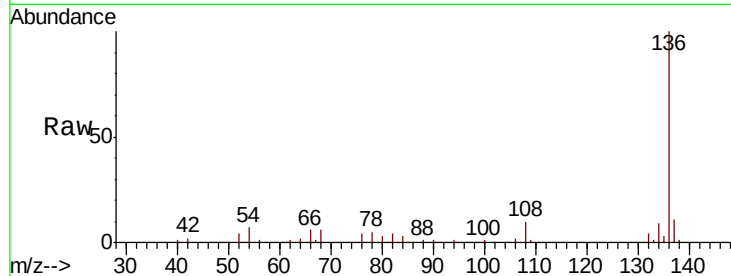




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

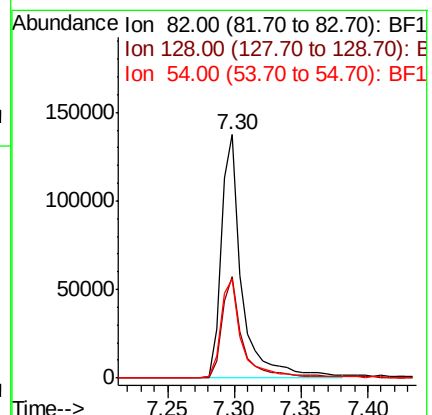
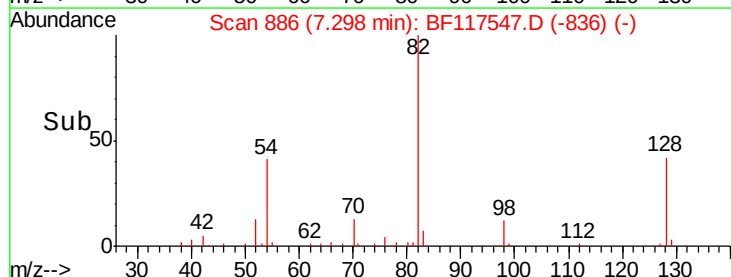
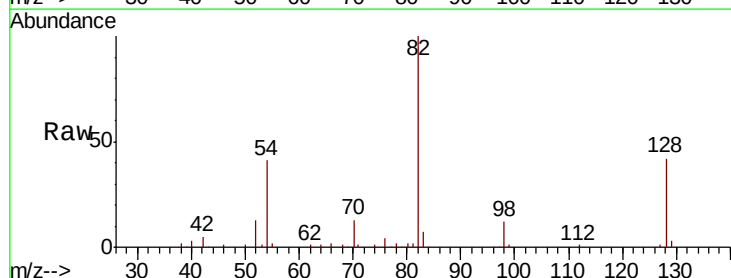
Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

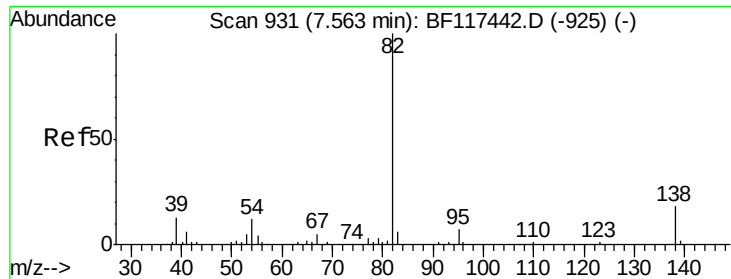
Tot Ion:136	Resp:	155259
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.2	12.4
54 6.6	4.5	6.7
68 6.1	4.3	6.5



#23
Nitrobenzene-d5
Concen: 47.911 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

Tgt Ion: 82	Resp: 150678
Ion Ratio	Lower Upper
82 100	
128 41.8	32.2 48.2
54 40.5	34.2 51.2





#25

Isophorone

Concen: 27.695 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117547.D

Acq: 25 Oct 2019 20:13

Instrument :

BNA_F

ClientSampleId :

191-36-(0-1)

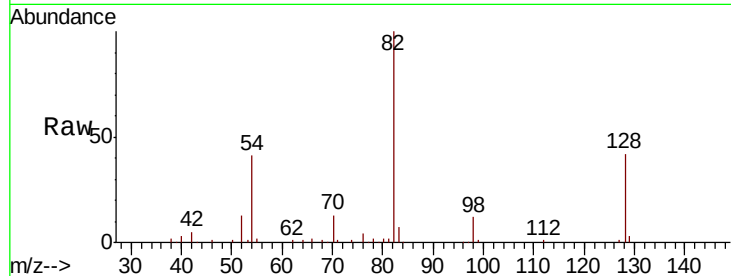
Tot Ion: 82 Resp: 150677

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

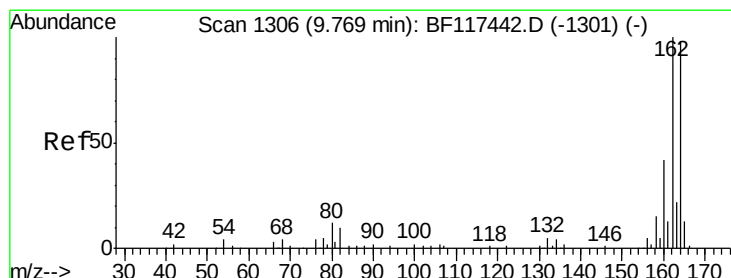
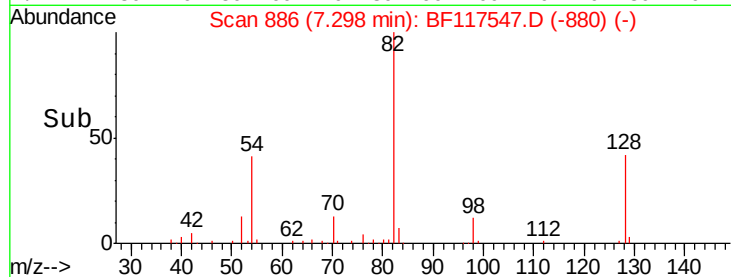
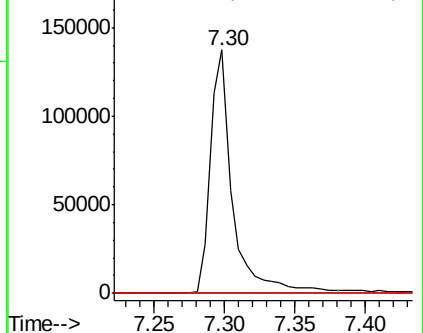
138 0.0 14.2 21.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117547.D

Acq: 25 Oct 2019 20:13

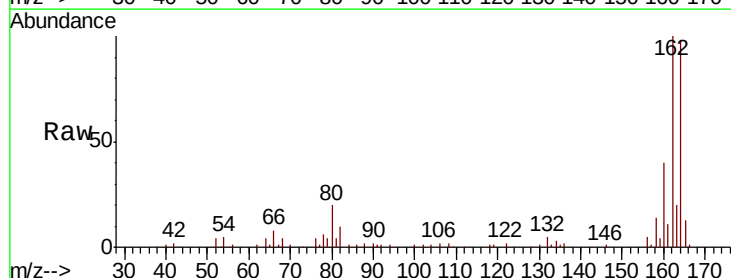
Tgt Ion: 164 Resp: 69239

Ion Ratio Lower Upper

164 100

162 101.8 81.8 122.6

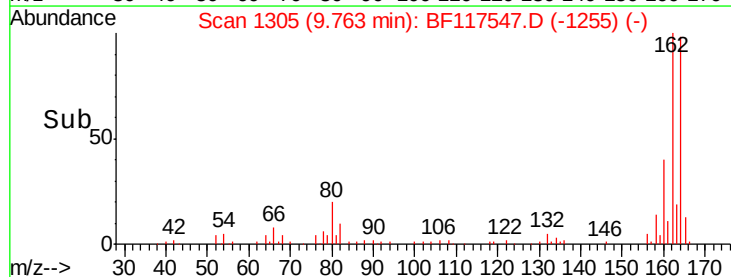
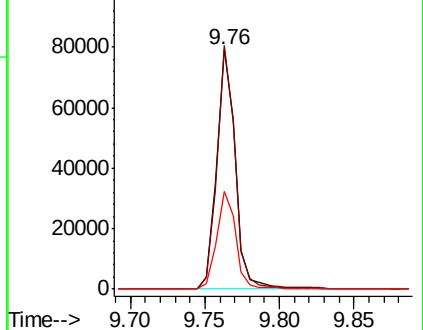
160 40.9 34.4 51.6

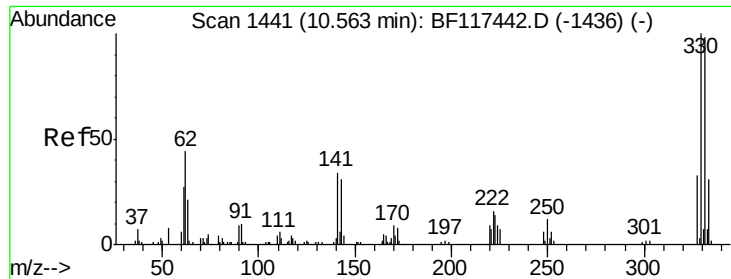


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 60.882 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117547.D

Acq: 25 Oct 2019 20:13

Instrument :

BNA_F

ClientSampleId :

191-36-(0-1)

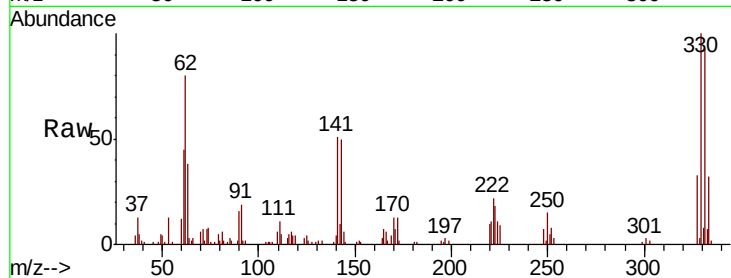
Tot Ion:330 Resp: 36474

Ion Ratio Lower Upper

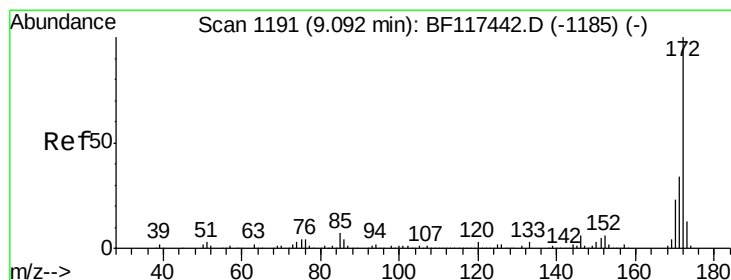
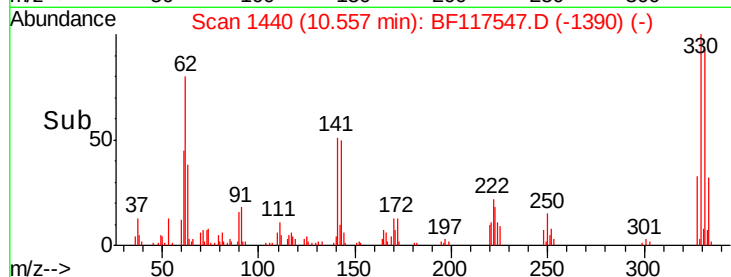
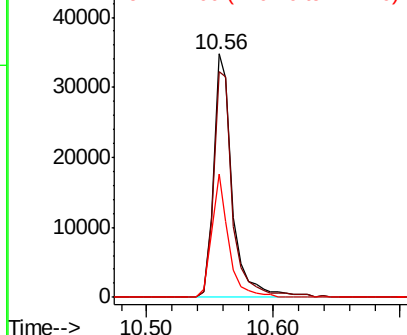
330 100

332 94.7 78.5 117.7

141 45.2 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: 39.127 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117547.D

Acq: 25 Oct 2019 20:13

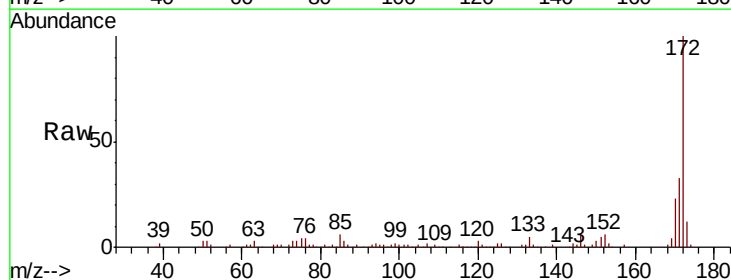
Tgt Ion:172 Resp: 192276

Ion Ratio Lower Upper

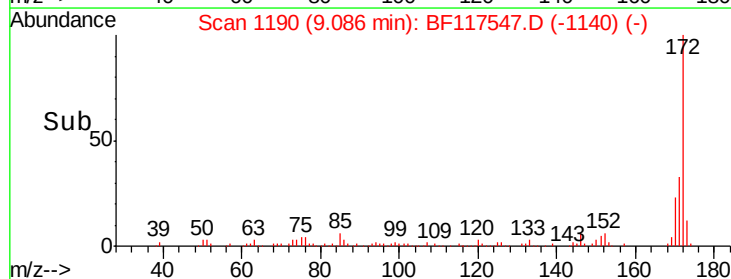
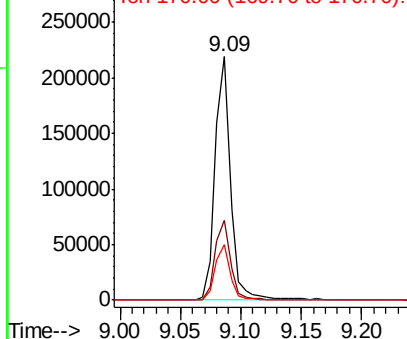
172 100

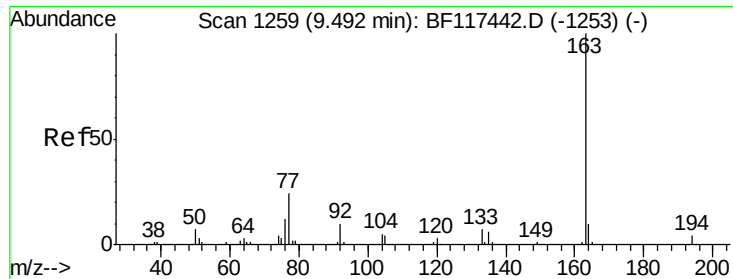
171 32.8 27.5 41.3

170 22.6 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

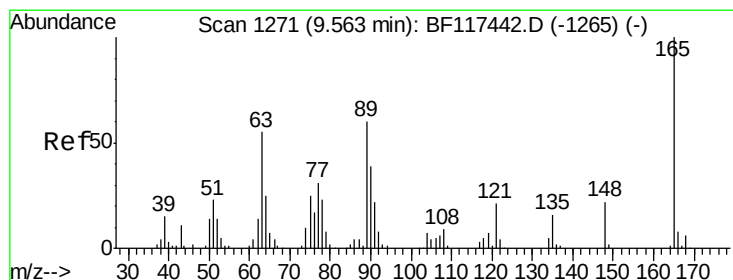
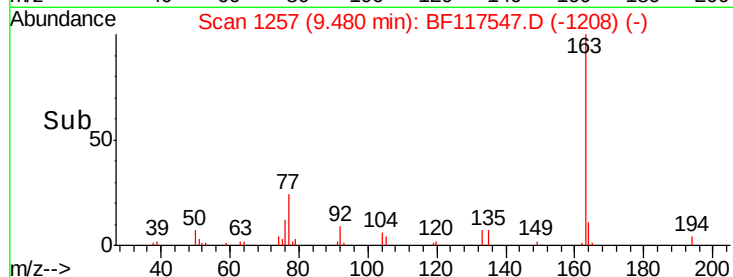
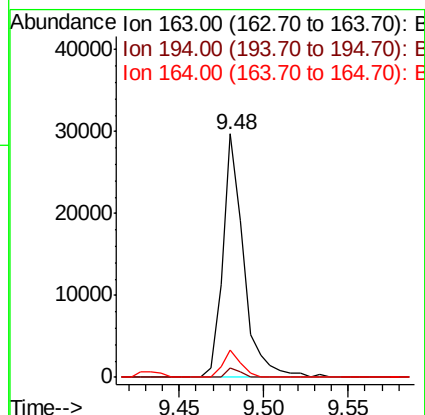
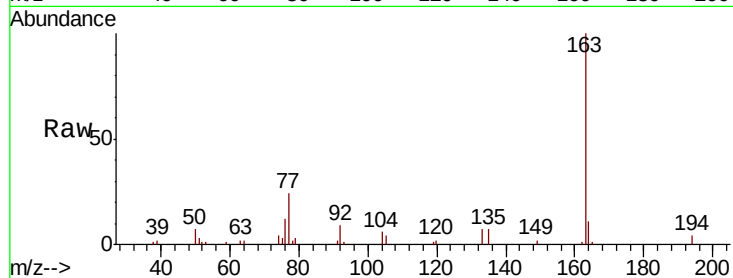




#50
Dimethylphthalate
Concen: 5.196 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

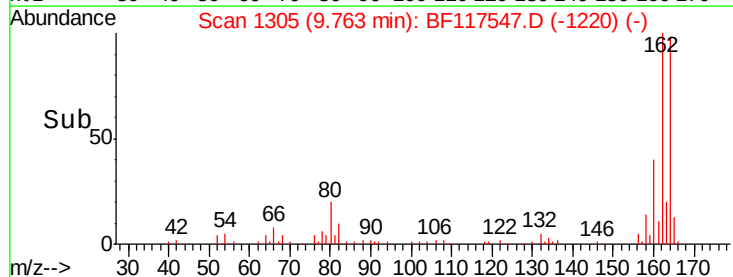
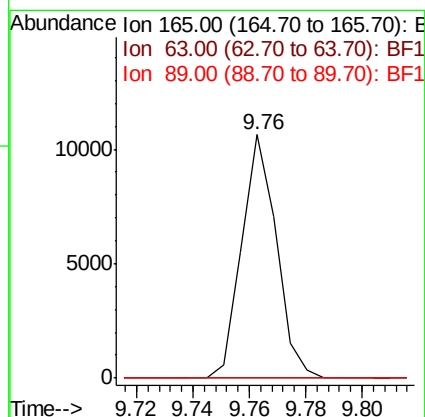
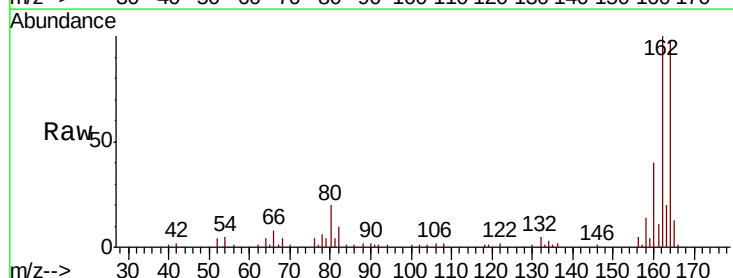
Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

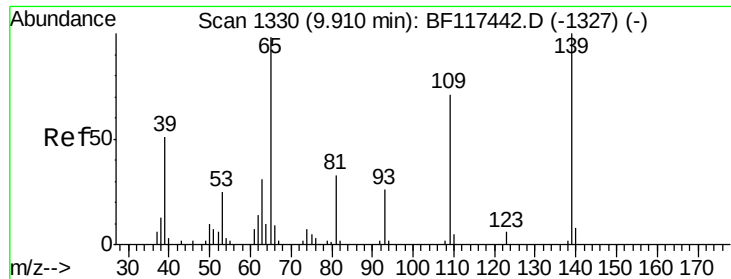
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	11.0	8.2	12.2



#51
2,6-Dinitrotoluene
Concen: 8.774 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

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

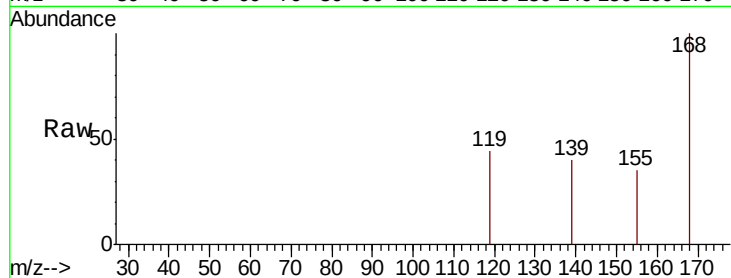




#56
4-Nitrophenol
Concen: 4.343 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

Instrument :
BNA_F
ClientSampled :
191-36-(0-1)

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

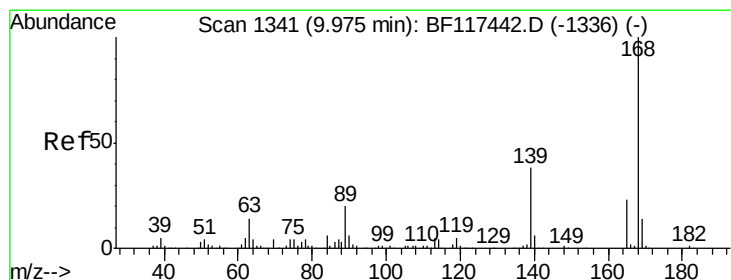
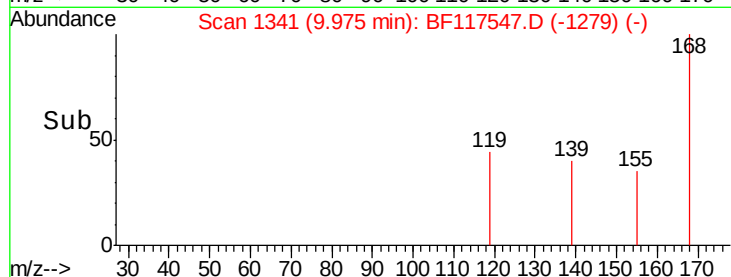
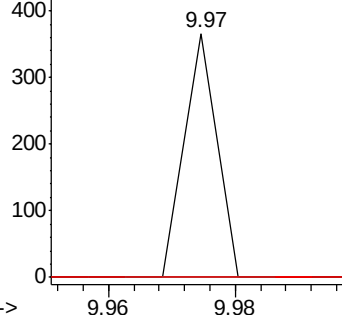


Abundance

Ion 139.00 (138.70 to 139.70): E

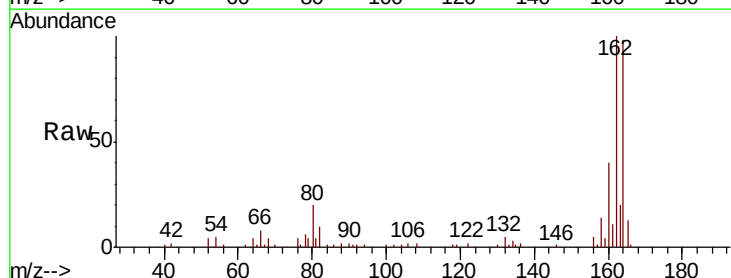
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.599 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

Tgt 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#



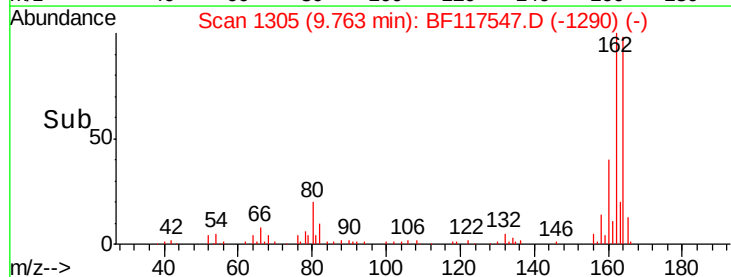
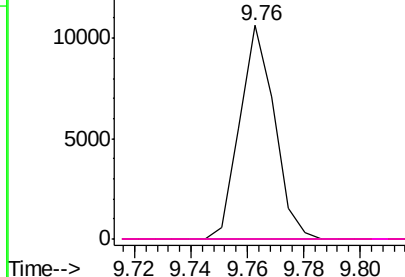
Abundance

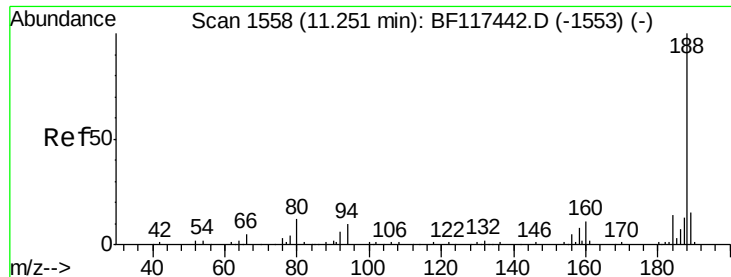
Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117547.D

Acq: 25 Oct 2019 20:13

Instrument :

BNA_F

ClientSampleId :

191-36-(0-1)

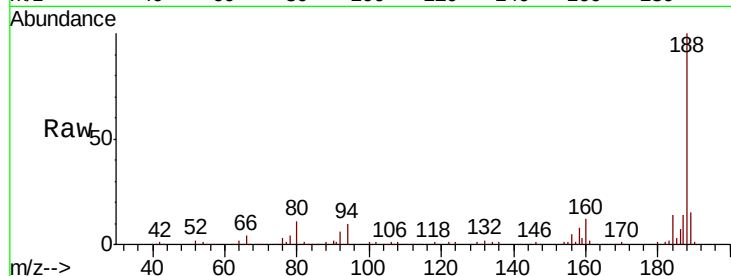
Tot Ion:188 Resp: 97453

Ion Ratio Lower Upper

188 100

94 10.2 8.0 12.0

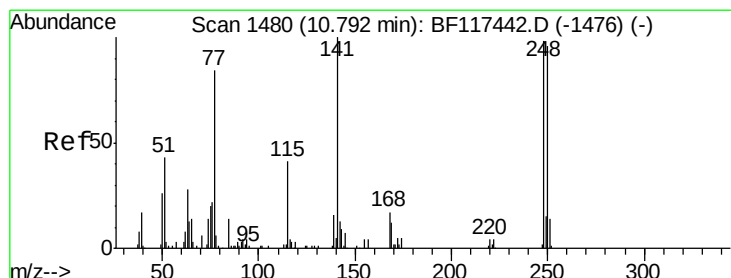
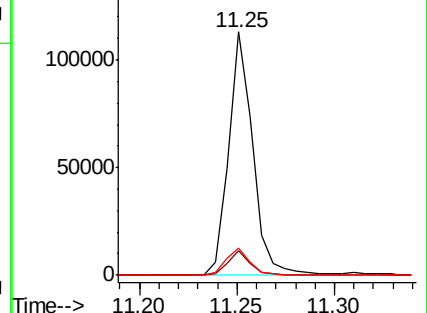
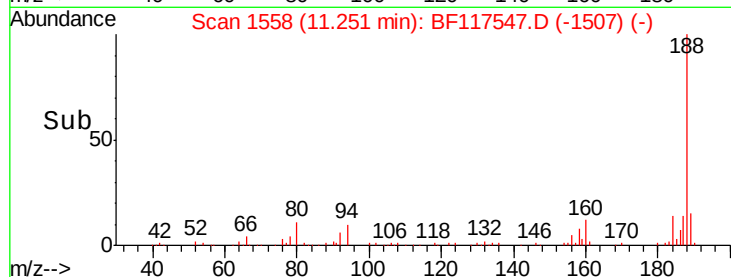
80 11.5 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 2.192 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117547.D

Acq: 25 Oct 2019 20:13

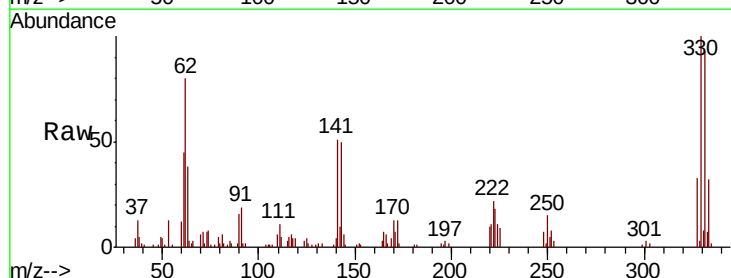
Tgt Ion:248 Resp: 2301

Ion Ratio Lower Upper

248 100

250 218.2 78.0 117.0#

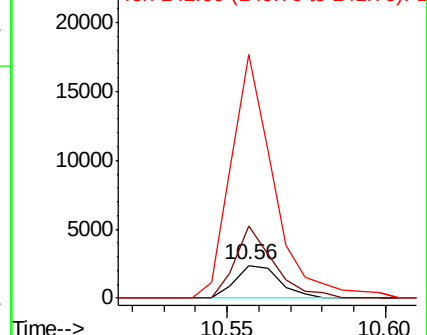
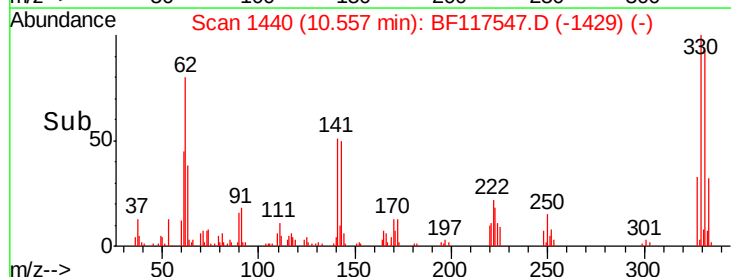
141 741.3 81.7 122.5#

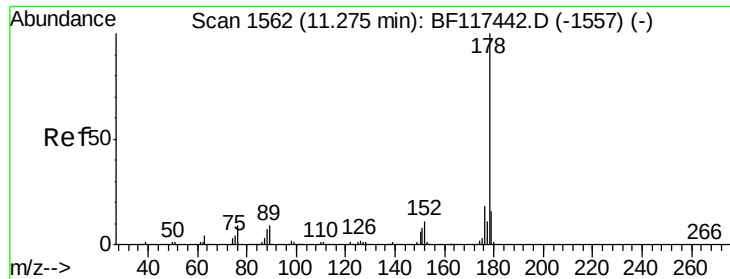


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

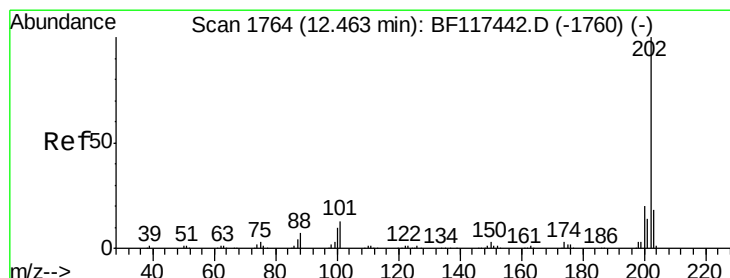
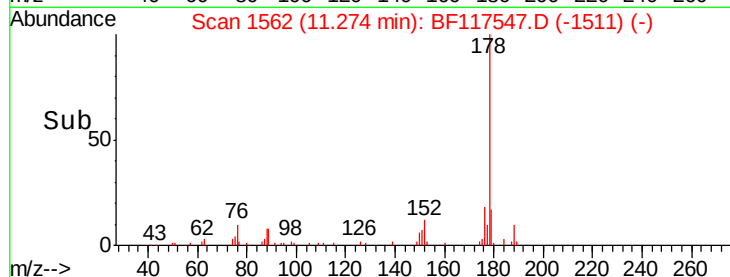
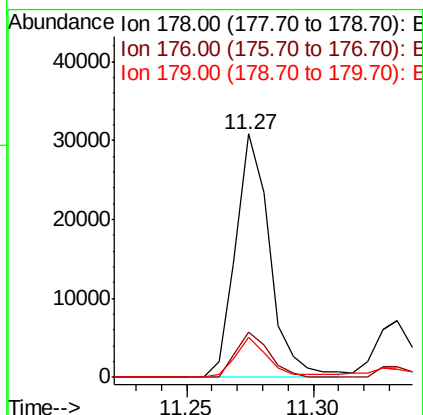
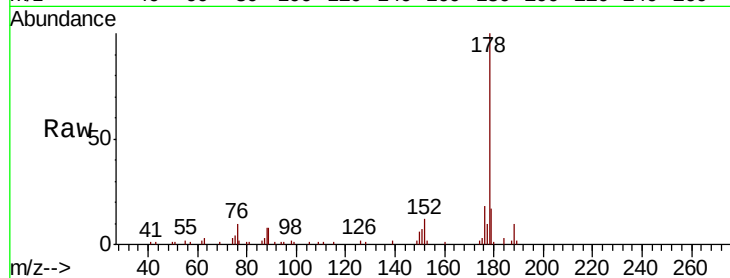




#71
Phenanthrene
Concen: 5.132 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

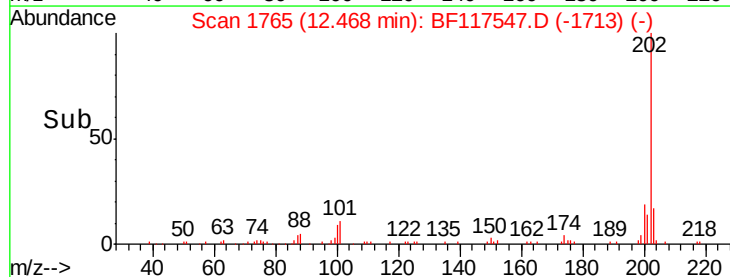
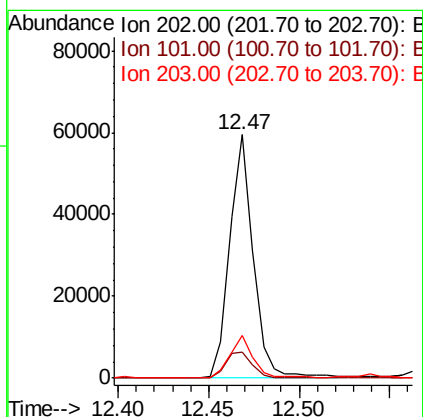
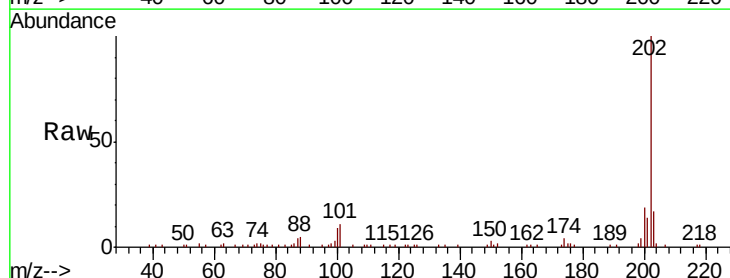
Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

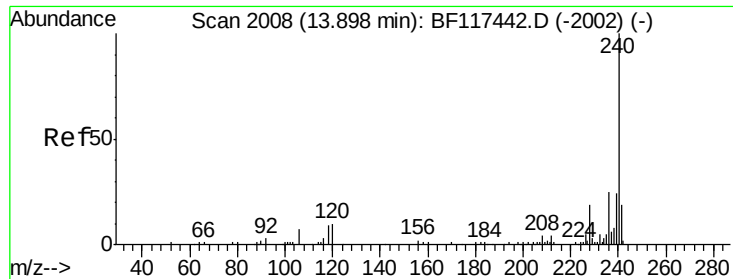
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	16.5	12.6	19.0



#75
Fluoranthene
Concen: 9.587 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	32.7
203	17.4	0.0	37.6

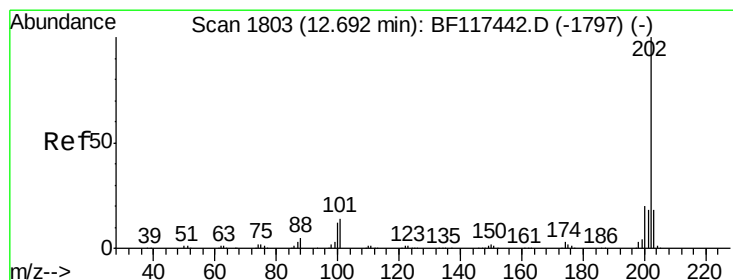
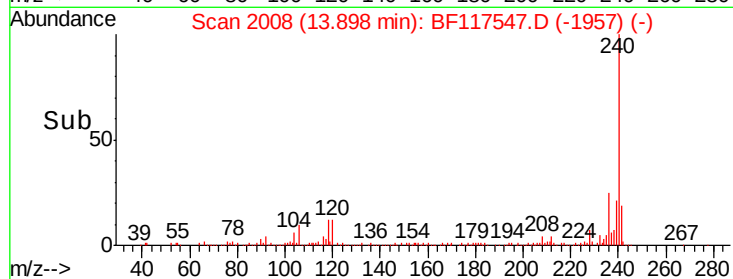
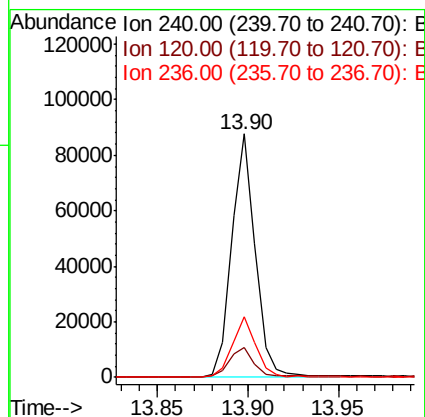
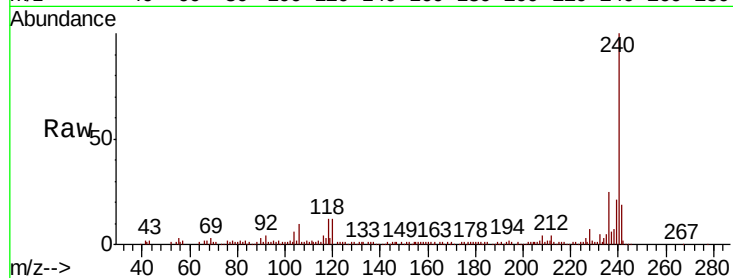




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

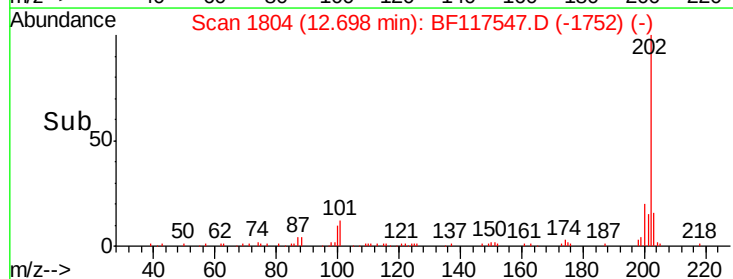
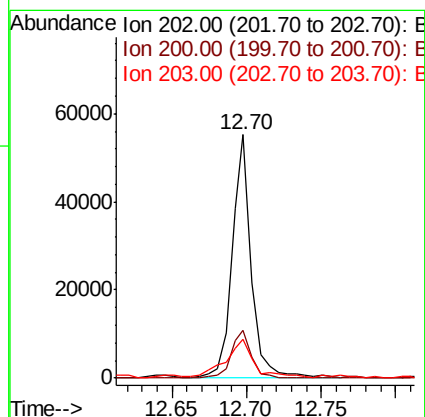
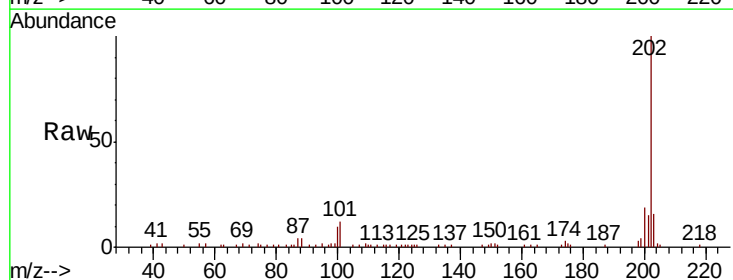
Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

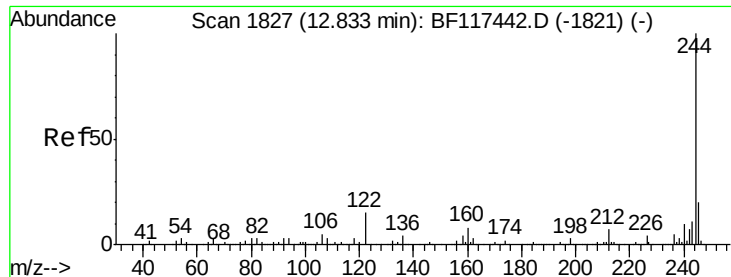
Tot Ion:240 Resp: 80023
Ion Ratio Lower Upper
240 100
120 12.2 8.4 12.6
236 25.0 20.0 30.0



#78
Pyrene
Concen: 7.311 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

Tgt Ion:202 Resp: 50252
Ion Ratio Lower Upper
202 100
200 19.4 16.2 24.2
203 15.8 14.0 21.0





#79

Terphenyl-d14

Concen: 29.326 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117547.D

Acq: 25 Oct 2019 20:13

Instrument :

BNA_F

ClientSampleId :

191-36-(0-1)

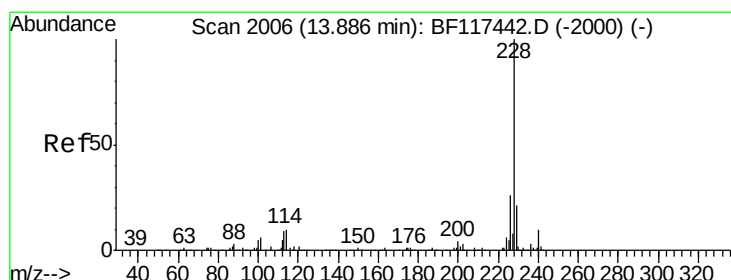
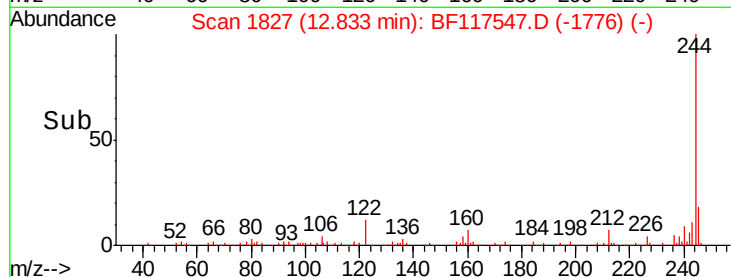
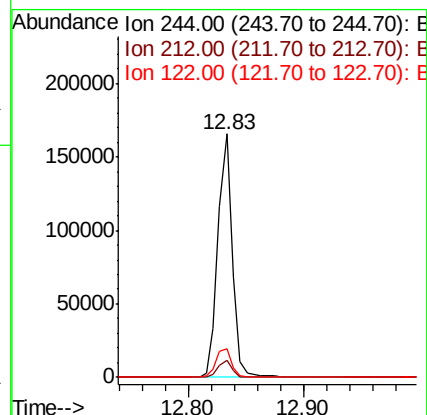
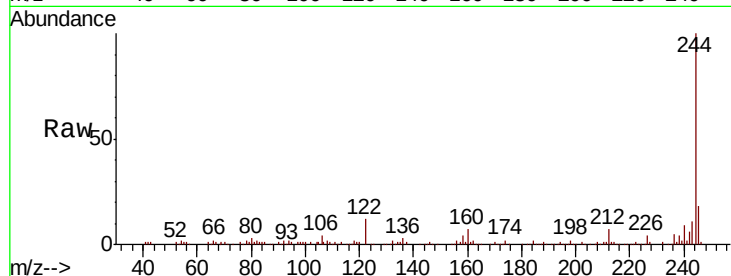
Tot Ion:244 Resp: 143872

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 11.5 11.8 17.8#



#81

Benzo(a)anthracene

Concen: 4.813 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF117547.D

Acq: 25 Oct 2019 20:13

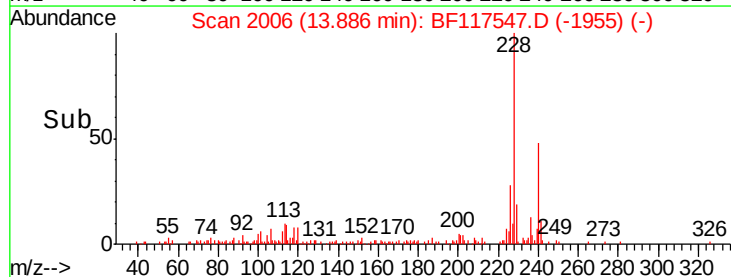
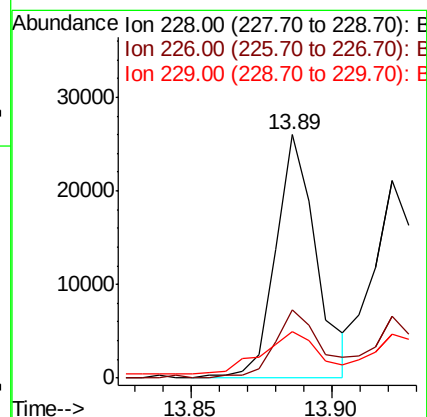
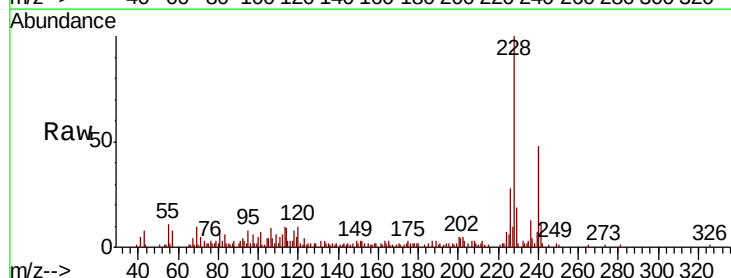
Tgt Ion:228 Resp: 25979

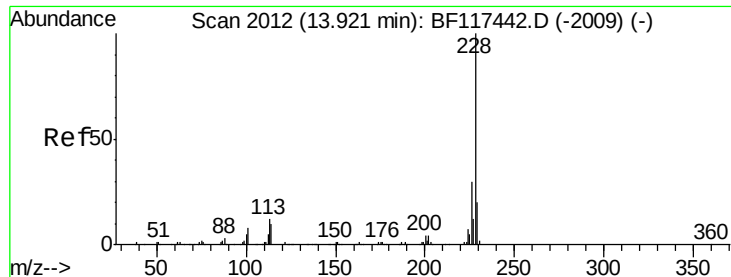
Ion Ratio Lower Upper

228 100

226 28.1 21.0 31.4

229 19.2 16.4 24.6

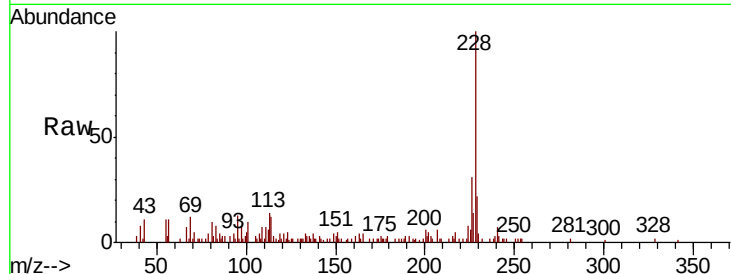




#83
Chrysene
Concen: 4.454 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.9	35.9
229	22.0	15.8	23.6

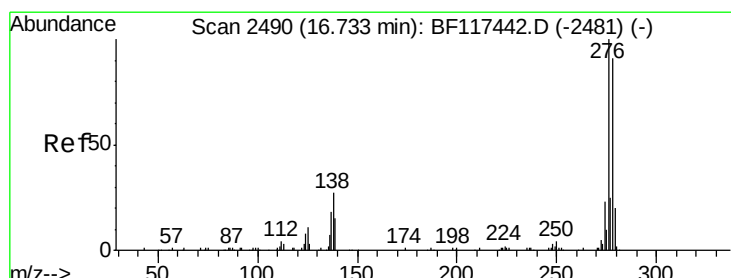
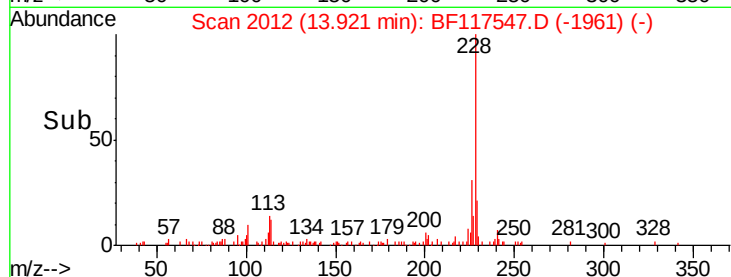
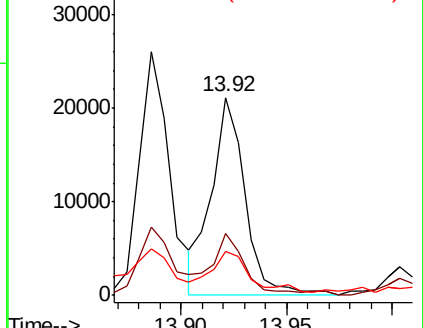


Abundance

Ion 228.00 (227.70 to 228.70): E

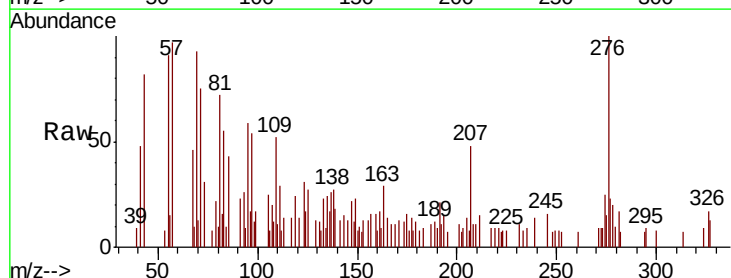
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.409 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.4	21.8	32.8
277	26.8	20.0	30.0

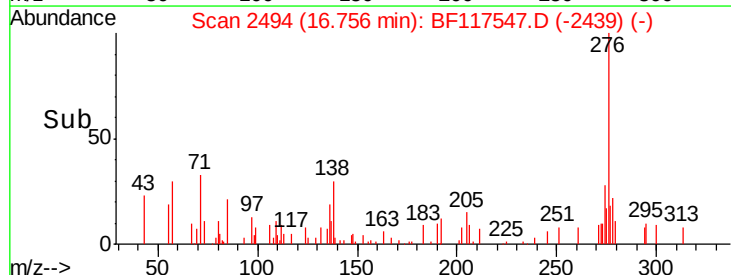
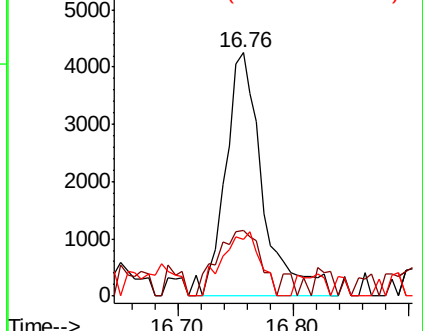


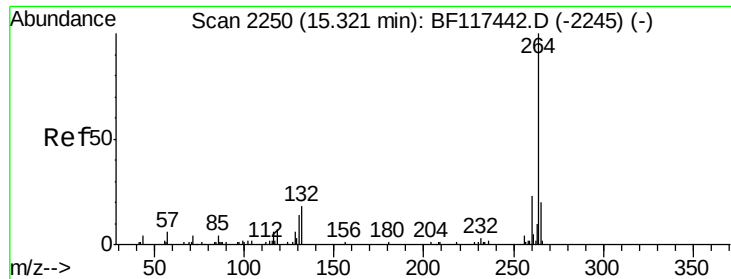
Abundance

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

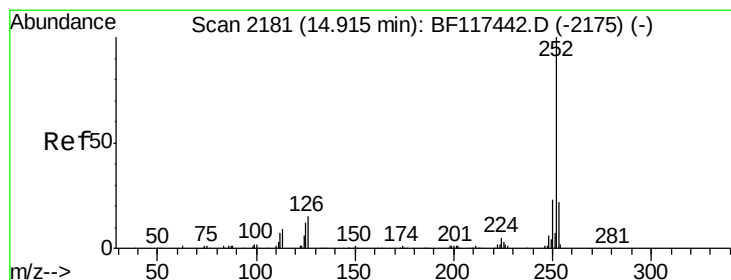
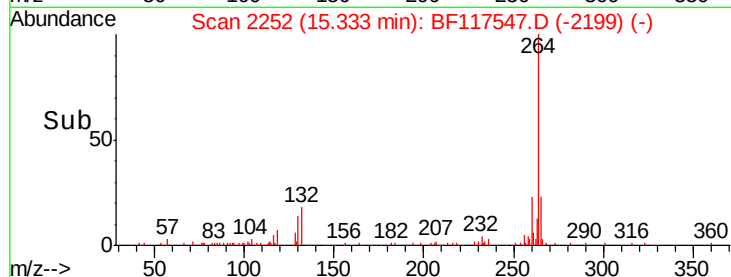
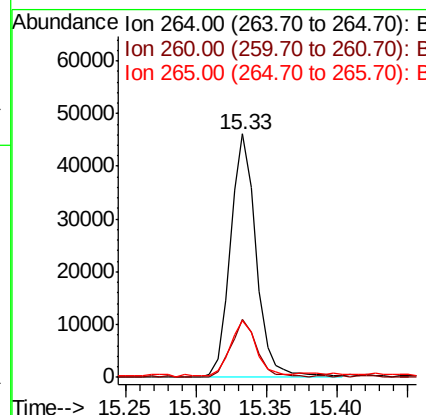
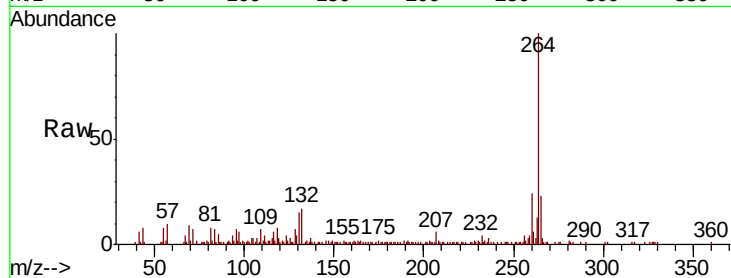




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

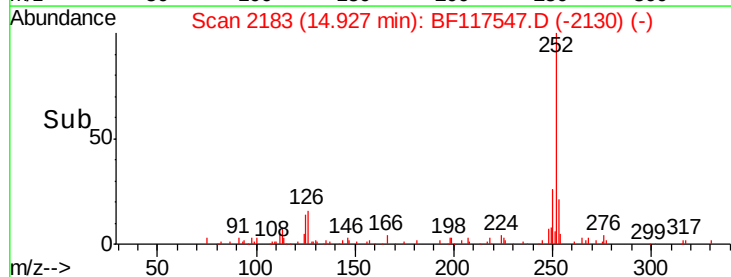
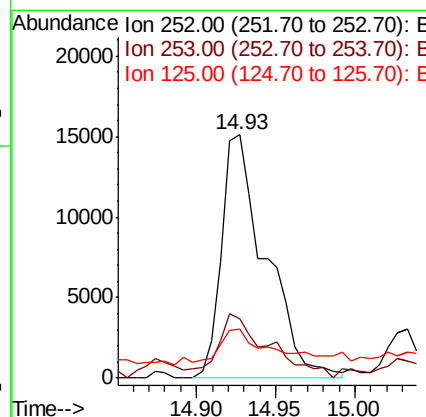
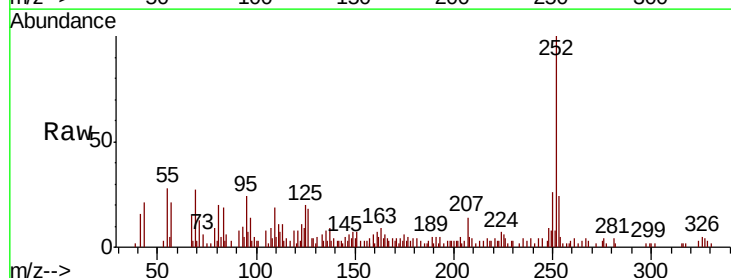
Instrument :
BNA_F
ClientSampleId :
191-36-(0-1)

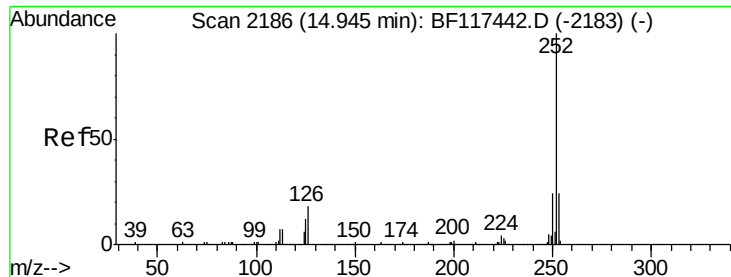
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	23.2	16.1	24.1



#88
Benzo(b)fluoranthene
Concen: 8.449 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117547.D
Acq: 25 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	20.4	9.9	14.9#

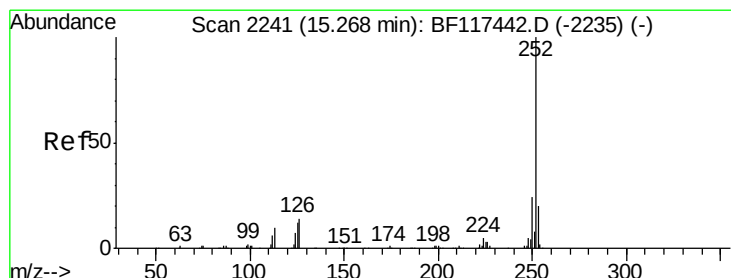
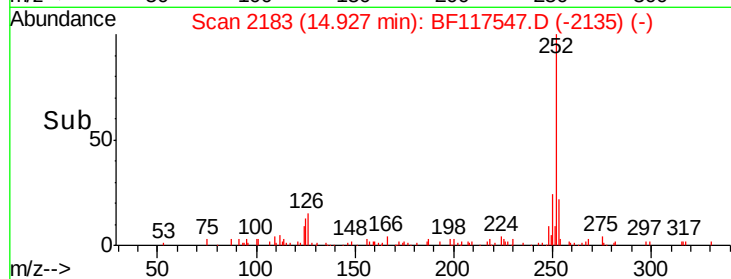
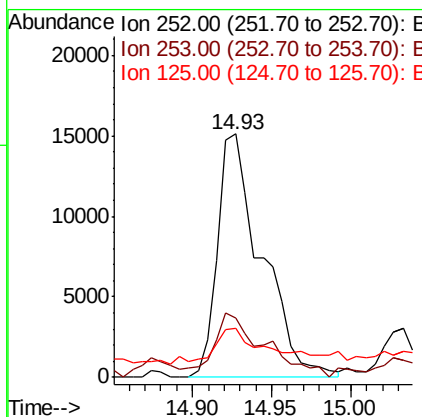
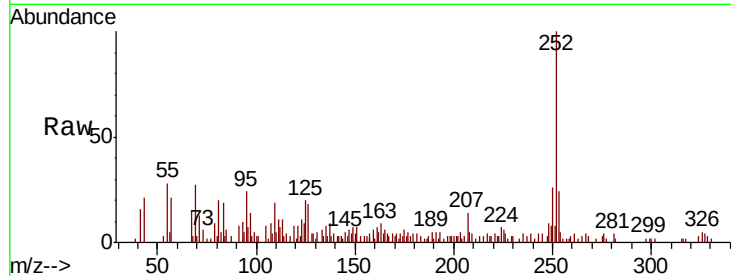




#89
 Benzo(k)fluoranthene
 Concen: 8.243 ng
 RT: 14.93 min Scan# 2183
 Delta R.T. -0.02 min
 Lab File: BF117547.D
 Acq: 25 Oct 2019 20:13

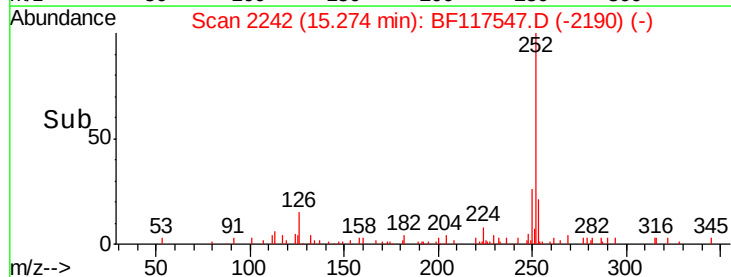
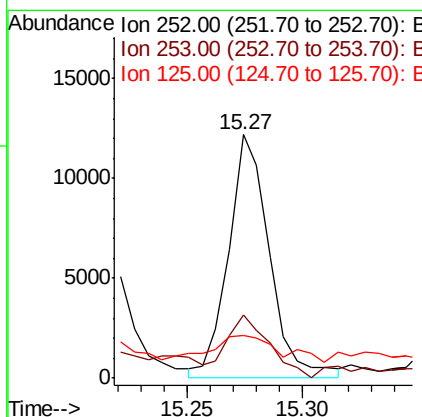
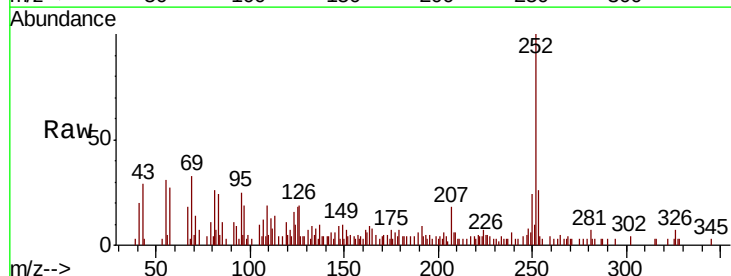
Instrument :
 BNA_F
 ClientSampleId :
 191-36-(0-1)

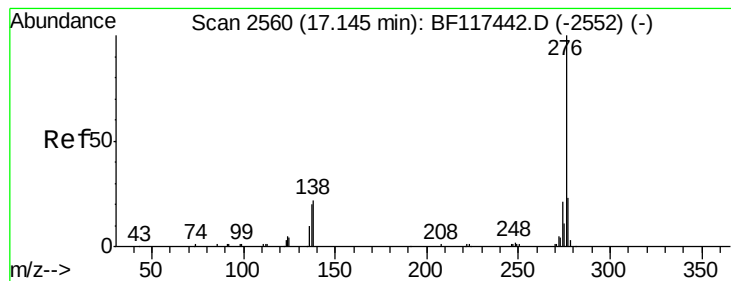
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	20.4	8.9	13.3



#90
 Benzo(a)pyrene
 Concen: 4.813 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: BF117547.D
 Acq: 25 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	16.3	24.5
125	17.5	9.2	13.8





#92

Benzo(a,h,i)perylene

Concen: 3.087 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.04 min

Lab File: BF117547.D

Acq: 25 Oct 2019 20:13

Instrument :

BNA_F

ClientSampleId :

191-36-(0-1)

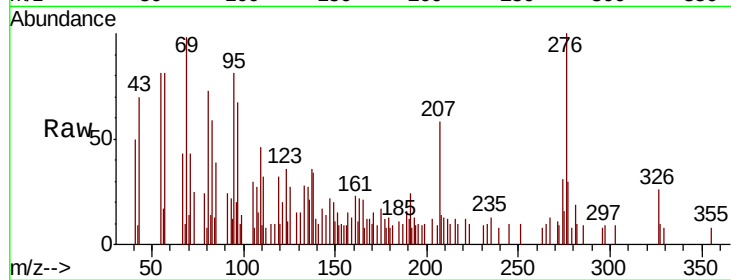
Tot Ion: 276 Resp: 7944

Ion Ratio Lower Upper

276 100

277 29.7 18.4 27.6#

138 34.0 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

