

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117543.D
 Acq On : 25 Oct 2019 18:26
 Operator : JU
 Sample : K5502-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 180-92-(0-2)

Quant Time: Oct 26 00:13:06 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	32165	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	122124	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	56465	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	79330	20.00	ng	0.00
76) Chrysene-d12	13.89	240	62792	20.00	ng	0.00
87) Perylene-d12	15.33	264	55413	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	267144	123.56	ng	0.00
7) Phenol-d6	6.39	99	363548	125.19	ng	0.01
23) Nitrobenzene-d5	7.29	82	219200	88.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	53908	110.34	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	340994	85.09	ng	-0.01
79) Terphenyl-d14	12.83	244	247425	64.27	ng	0.00

Target Compounds

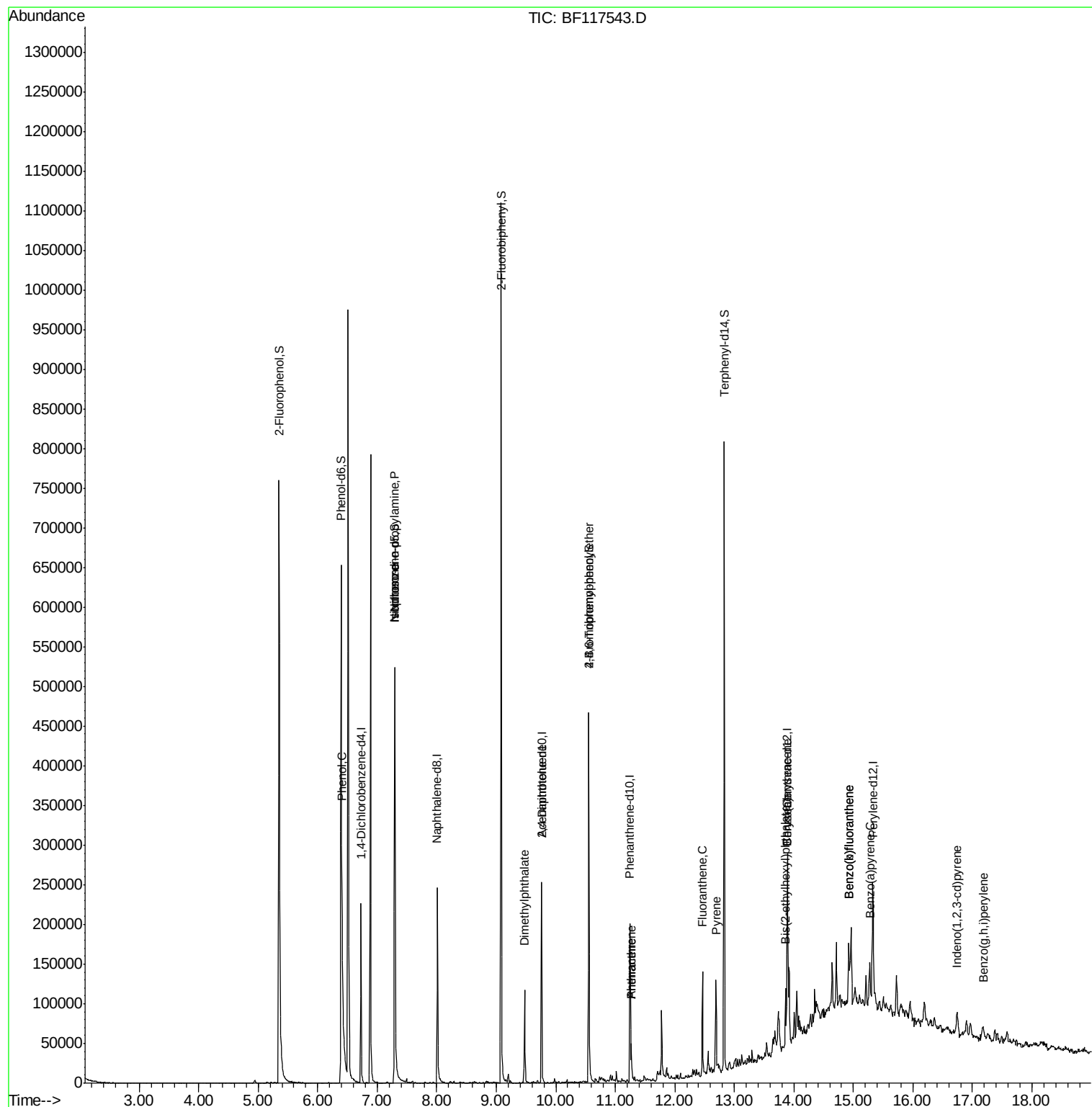
						Qvalue
9) Benzaldehyde	6.40	77	315	Below Cal	#	3
10) Phenol	6.41	94	7772	2.622 ng	#	62
19) n-Nitroso-di-n-propylamine	7.29	70	28173	15.886 ng	#	77
25) Isophorone	7.29	82	219198	51.222 ng	#	65
50) Dimethylphthalate	9.48	163	46506	11.553 ng		99
57) 2,4-Dinitrotoluene	9.76	165	7237	6.480 ng	#	12
67) 4-Bromophenyl-phenylether	10.56	248	3385	3.961 ng	#	1
71) Phenanthrene	11.27	178	17651	3.832 ng		97
72) Anthracene	11.27	178	17651	3.735 ng		97
75) Fluoranthene	12.46	202	48958	10.617 ng		97
77) Benzydine	12.83	184	3453	Below Cal		96
78) Pylene	12.69	202	47907	8.882 ng		98
81) Benzo(a)anthracene	13.88	228	35573	8.399 ng		97
83) Chrysene	13.88	228	35573	8.569 ng		94
84) Bis(2-ethylhexyl)phthalate	13.86	149	19762	5.256 ng		94
86) Indeno(1,2,3-cd)pyrene	16.75	276	13150	4.243 ng		93
88) Benzo(b)fluoranthene	14.92	252	53584	16.375 ng	#	94
89) Benzo(k)fluoranthene	14.92	252	53584	15.977 ng	#	93
90) Benzo(a)pyrene	15.27	252	24033	8.078 ng	#	90
92) Benzo(a,h,i)perylene	17.17	276	11742	4.824 ng	#	94

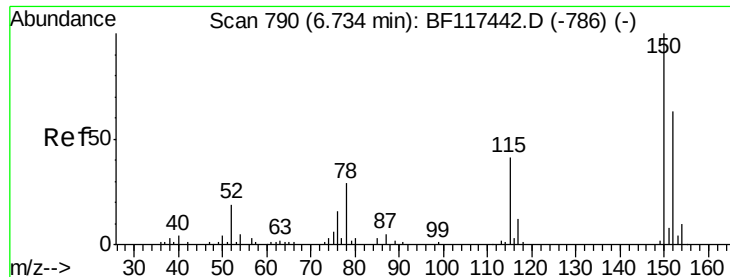
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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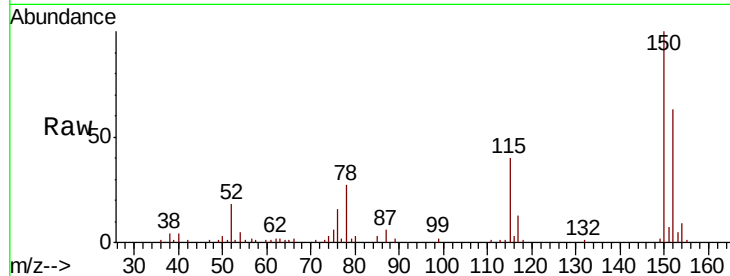


#1

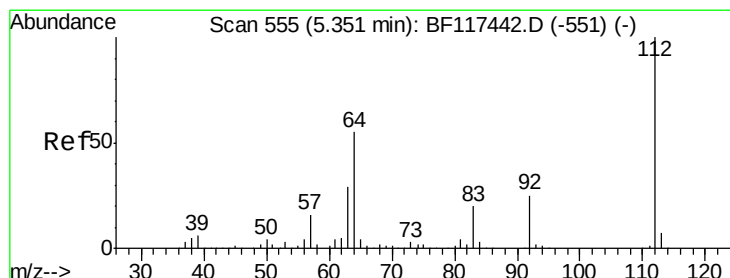
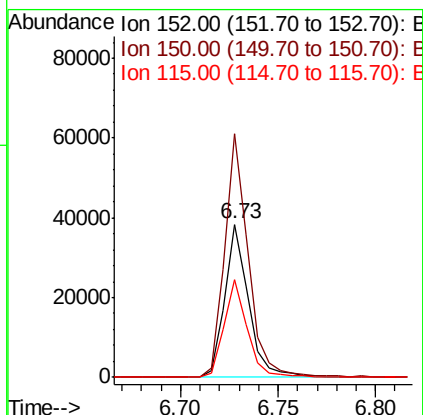
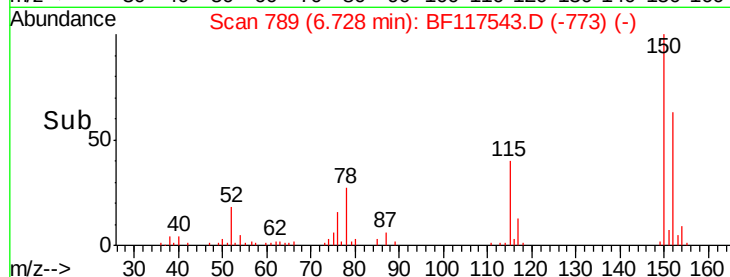
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

Tot Ion:152 Resp: 32165
Ion Ratio Lower Upper
152 100
150 159.1 126.8 190.2
115 63.8 51.6 77.4



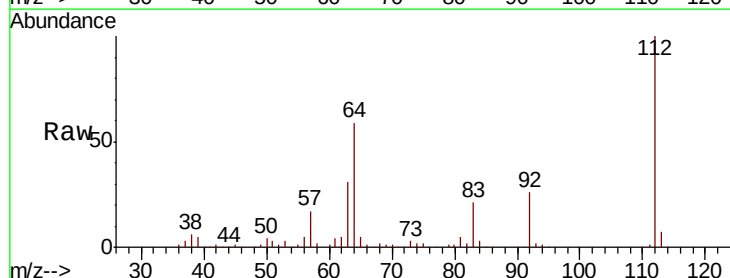
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



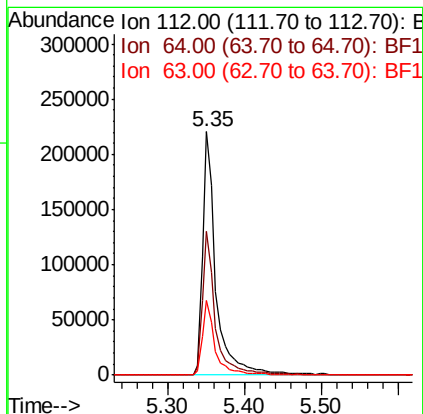
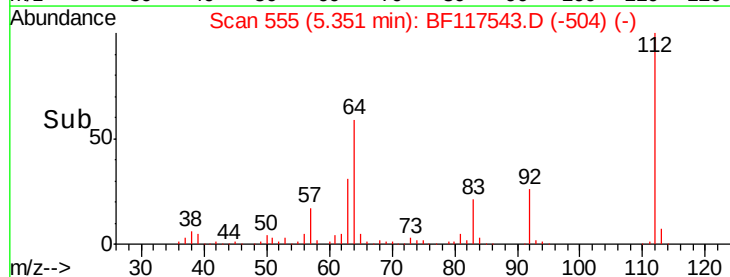
#5

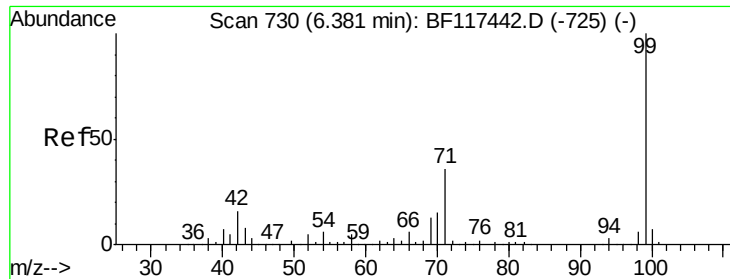
2-Fluorophenol
Concen: 123.560 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion:112 Resp: 267144
Ion Ratio Lower Upper
112 100
64 59.2 44.1 66.1
63 30.8 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: 125.194 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Instrument :

BNA_F

ClientSampleId :

180-92-(0-2)

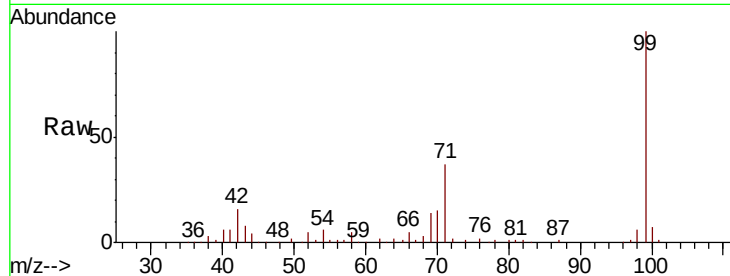
Tot Ion: 99 Resp: 363548

Ion Ratio Lower Upper

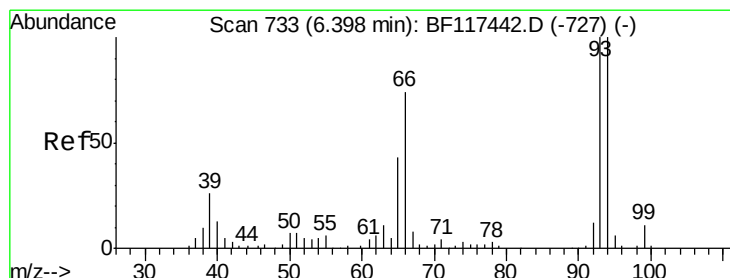
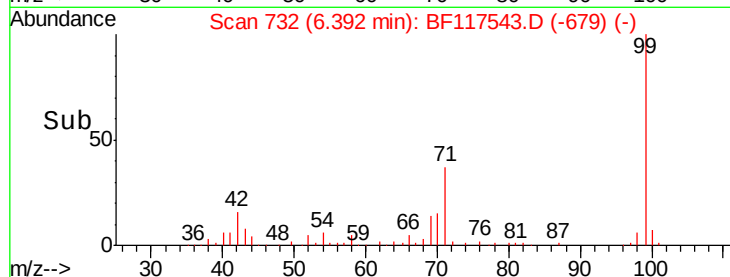
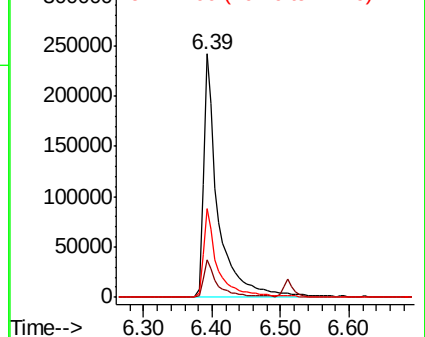
99 100

42 15.5 12.8 19.2

71 36.6 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: 2.622 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

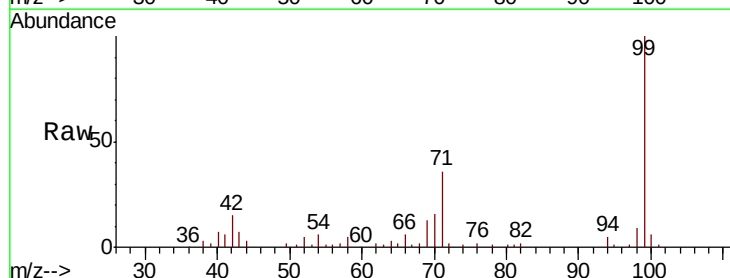
Tgt Ion: 94 Resp: 7772

Ion Ratio Lower Upper

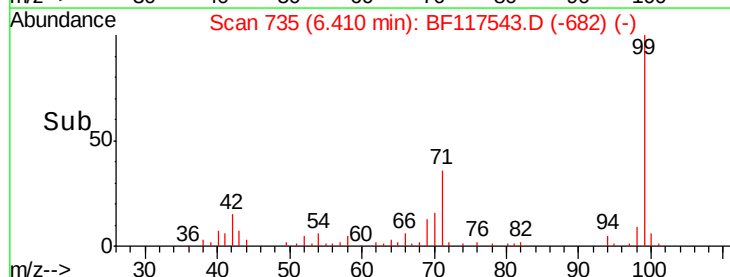
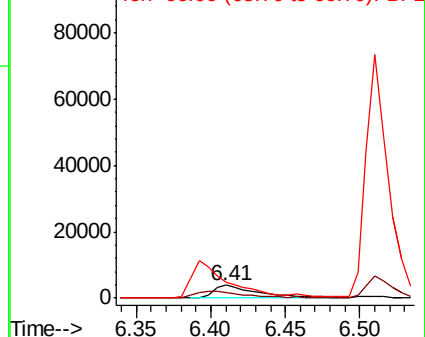
94 100

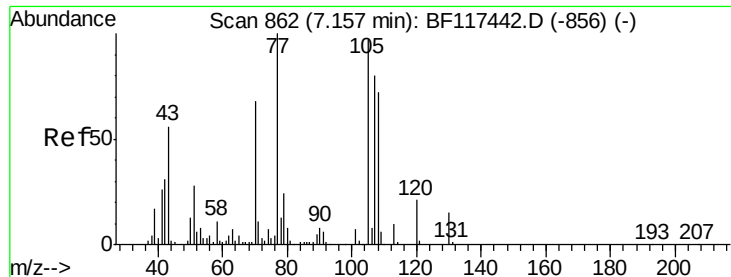
65 42.3 23.4 63.4

66 125.2 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

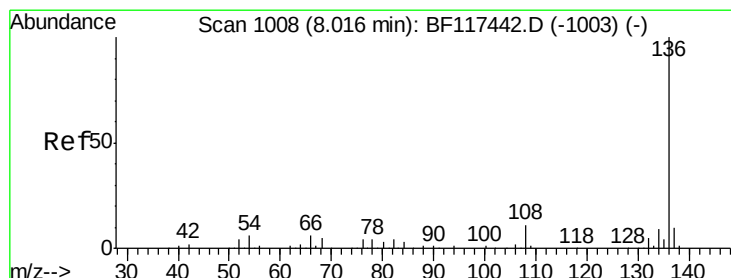
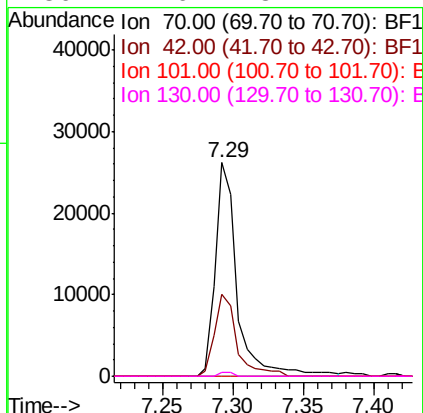
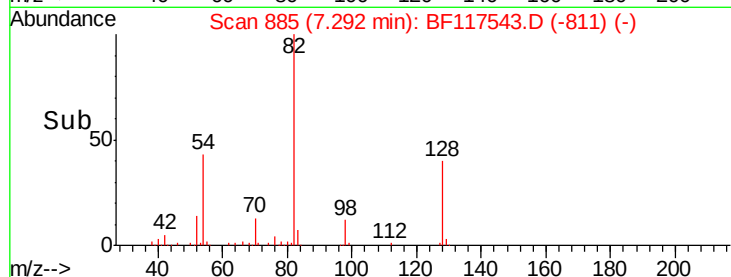
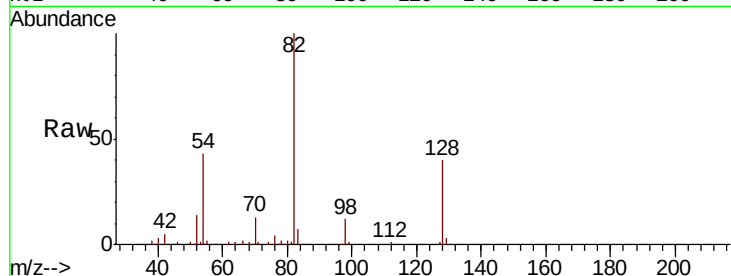




#19
n-Nitroso-di-n-propylamine
Concen: 15.886 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

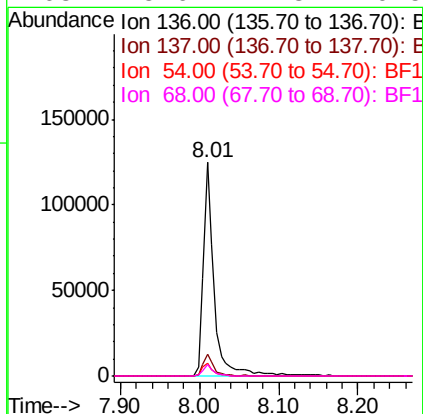
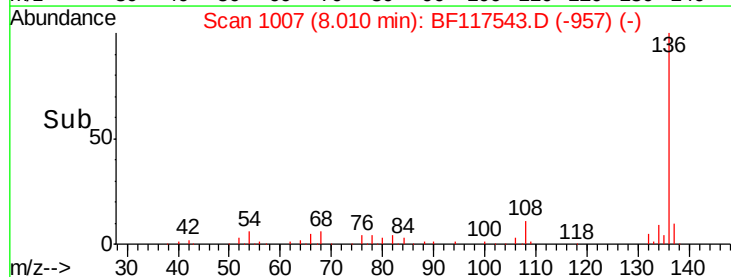
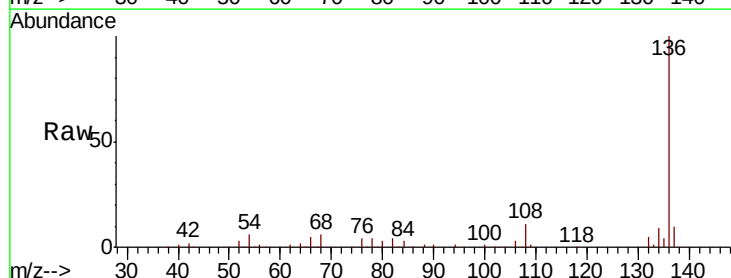
Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

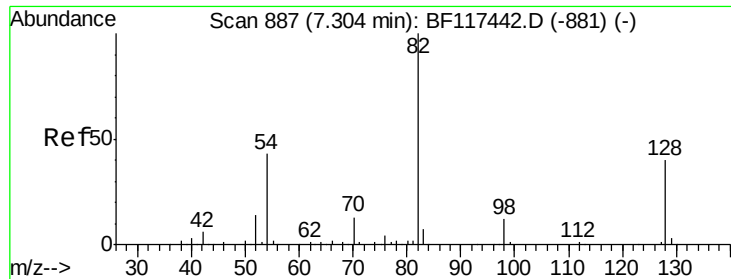
Tot Ion: 70 Resp: 28173
Ion Ratio Lower Upper
70 100
42 38.3 36.7 55.1
101 0.0 8.3 12.5#
130 1.6 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion:136 Resp: 122124
Ion Ratio Lower Upper
136 100
137 10.3 8.2 12.4
54 5.7 4.5 6.7
68 5.6 4.3 6.5

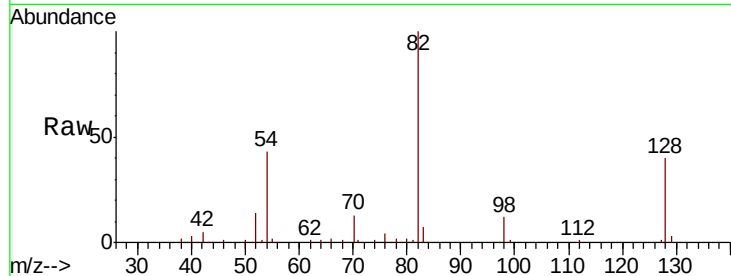




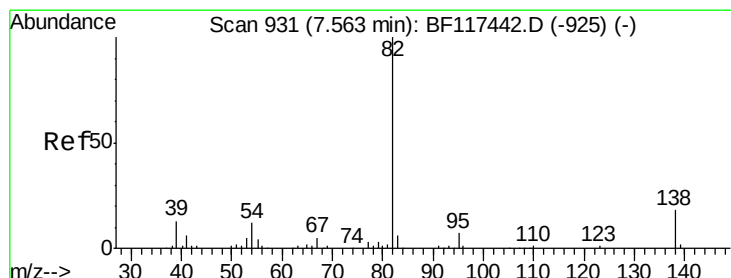
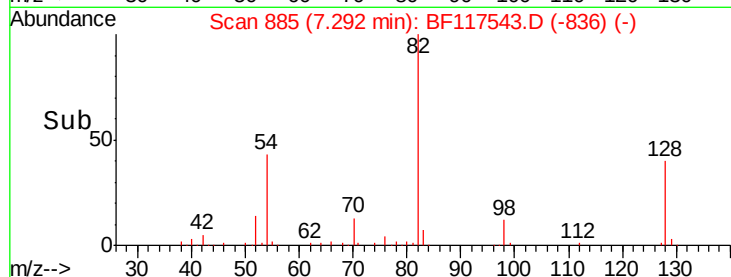
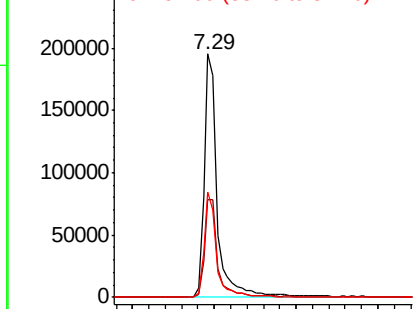
#23
 Nitrobenzene-d5
 Concen: 88.610 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117543.D
 Acq: 25 Oct 2019 18:26

Instrument :
 BNA_F
 ClientSampleId :
 180-92-(0-2)

Tot Ion	82	Resp	219200
Ion Ratio	Lower	Upper	
82	100		
128	40.2	32.2	48.2
54	43.1	34.2	51.2

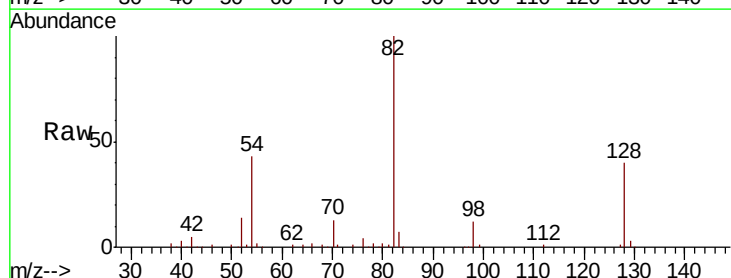


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

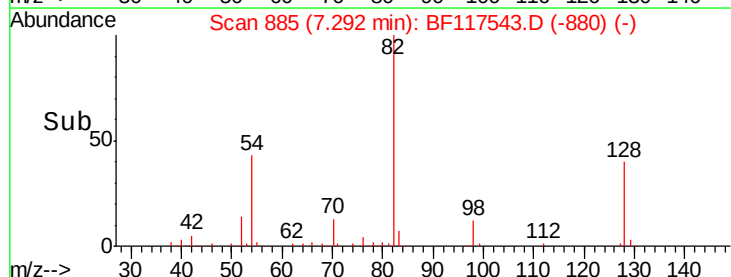
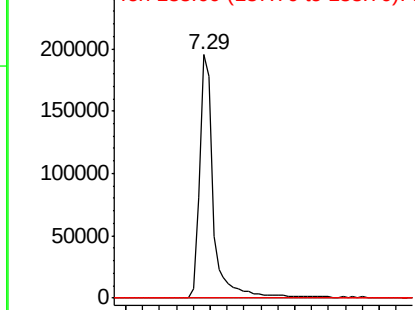


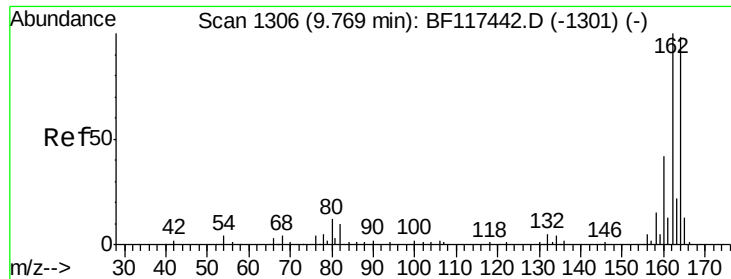
#25
 Isophorone
 Concen: 51.222 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.27 min
 Lab File: BF117543.D
 Acq: 25 Oct 2019 18:26

Tgt Ion	82	Resp	219198
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

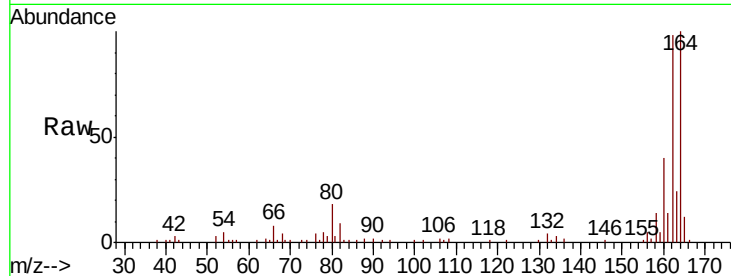




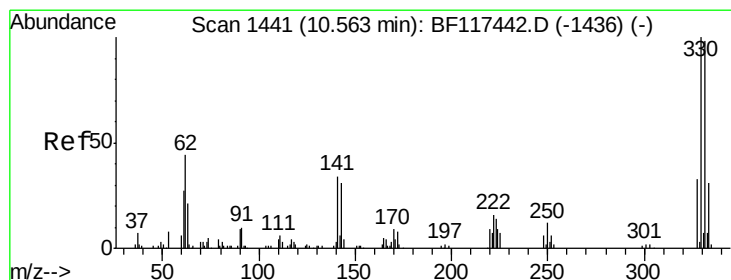
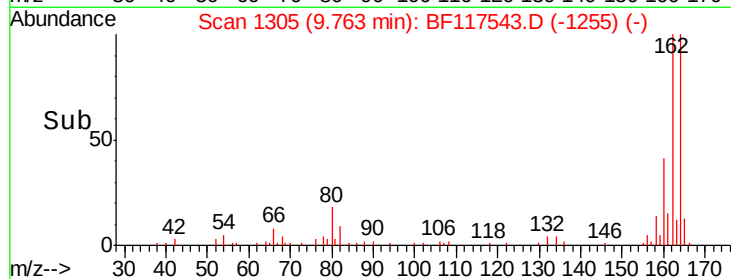
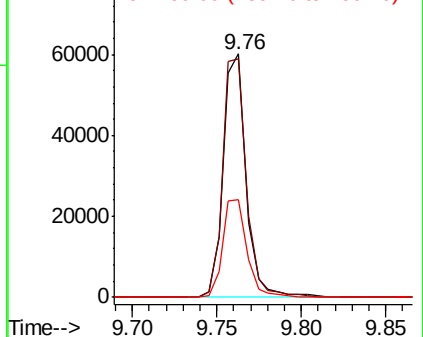
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

Tot Ion:164 Resp: 56465
Ion Ratio Lower Upper
164 100
162 98.0 81.8 122.6
160 40.0 34.4 51.6

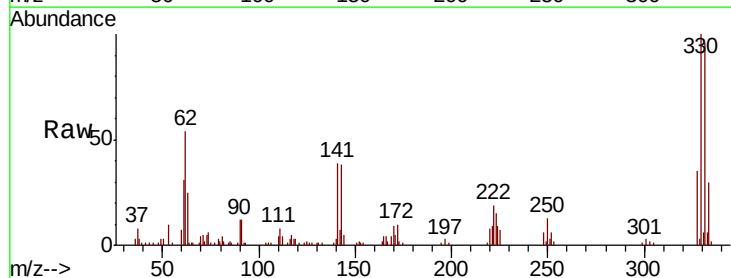


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

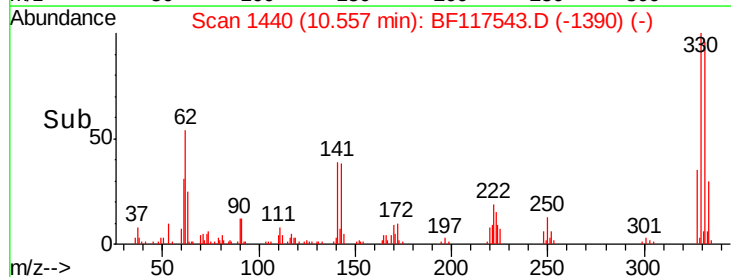
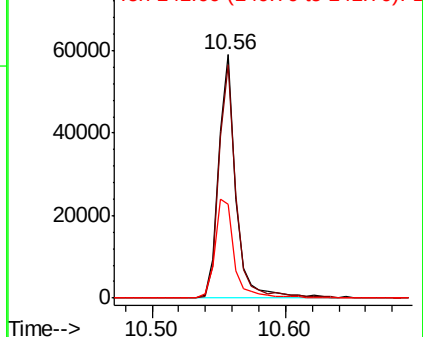


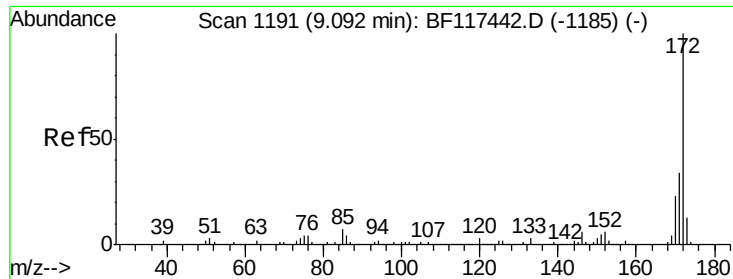
#42
2,4,6-Tribromophenol
Concen: 110.339 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion:330 Resp: 53908
Ion Ratio Lower Upper
330 100
332 96.6 78.5 117.7
141 45.4 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

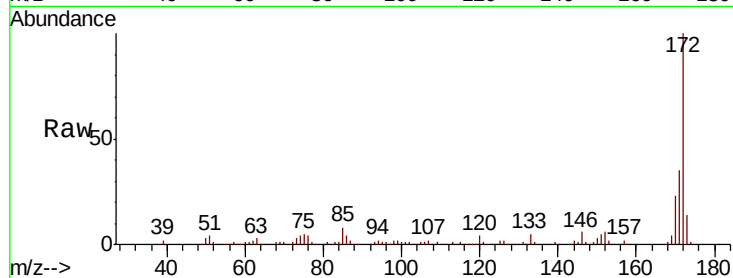




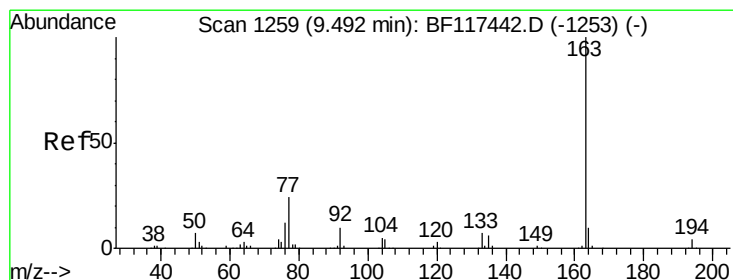
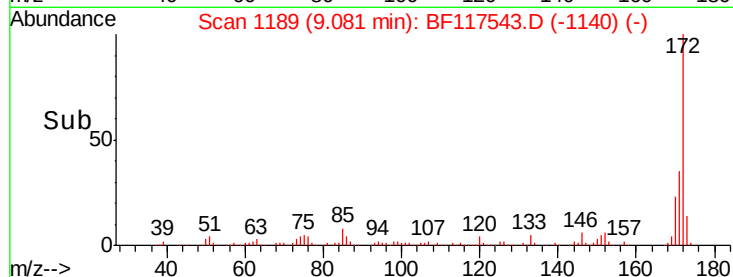
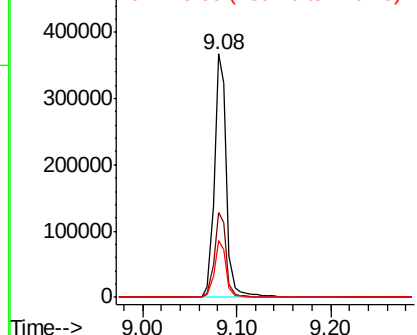
#45
2-Fluorobiphenyl
Concen: 85.089 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

Tot Ion:172 Resp: 340994
Ion Ratio Lower Upper
172 100
171 35.1 27.5 41.3
170 23.3 18.6 27.8

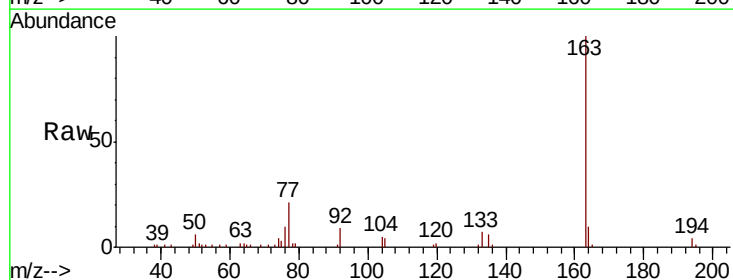


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

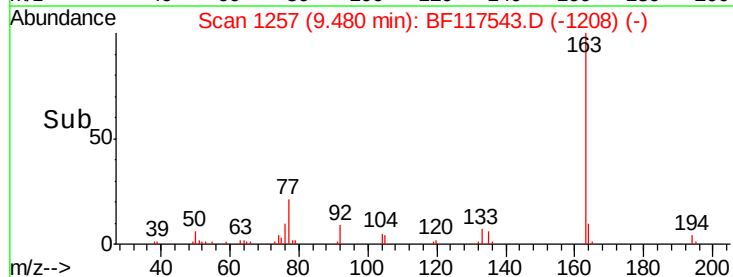
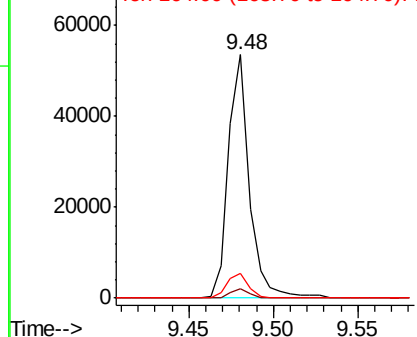


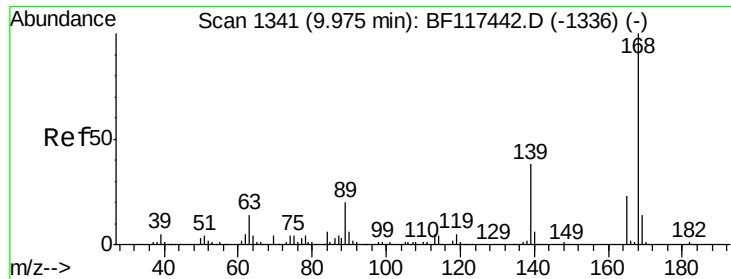
#50
Dimethylphthalate
Concen: 11.553 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion:163 Resp: 46506
Ion Ratio Lower Upper
163 100
194 3.8 2.9 4.3
164 9.9 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

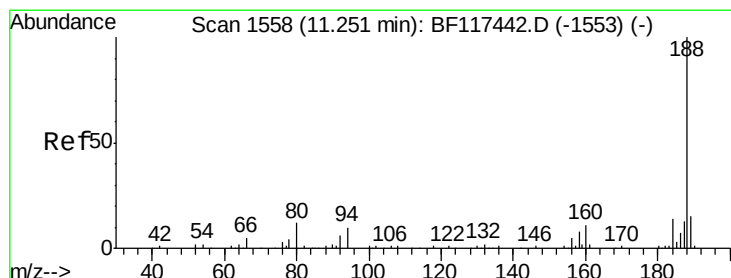
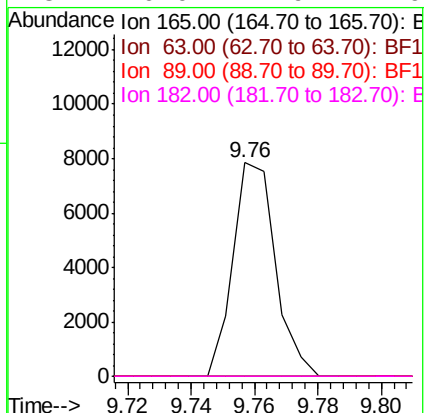
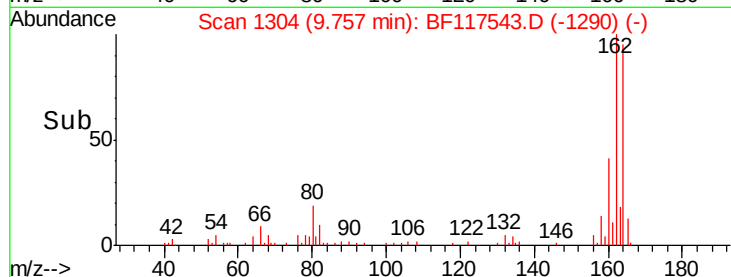
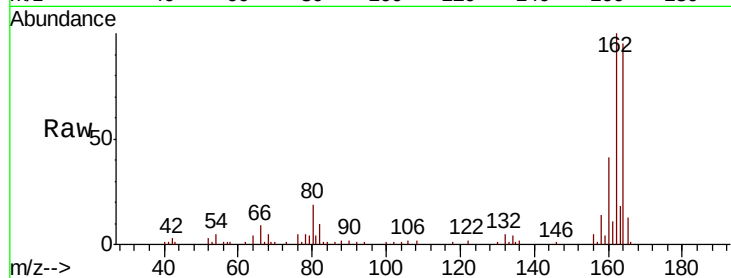




#57
 2,4-Dinitrotoluene
 Concen: 6.480 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117543.D
 Acq: 25 Oct 2019 18:26

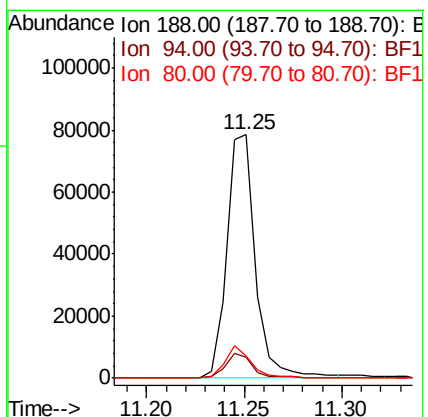
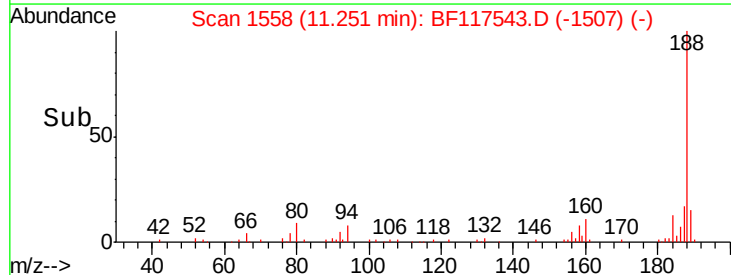
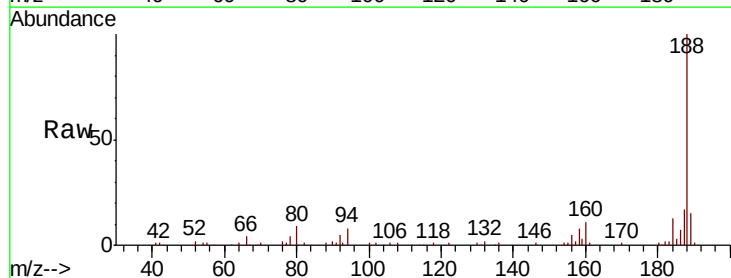
Instrument :
 BNA_F
 ClientSampleId :
 180-92-(0-2)

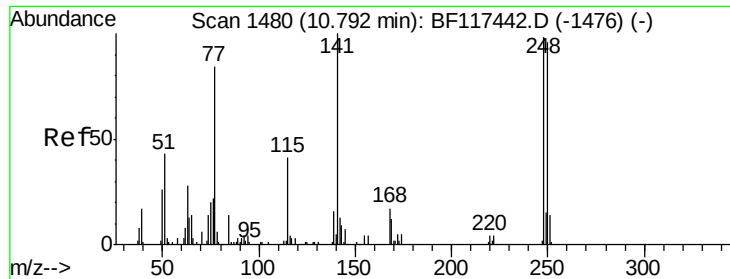
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	0.0	69.9	104.9#
182	0.0	1.9	2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF117543.D
 Acq: 25 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.0	12.0
80	9.3	9.5	14.3#

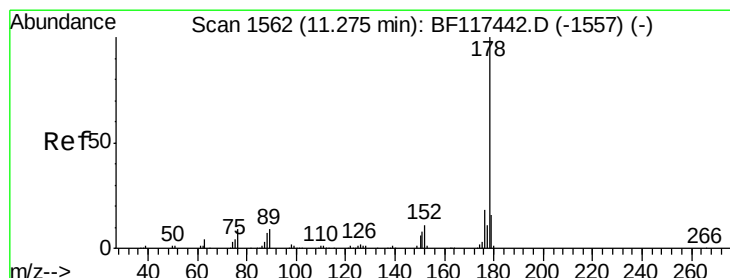
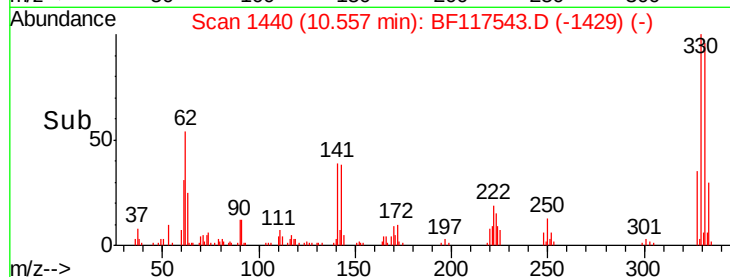
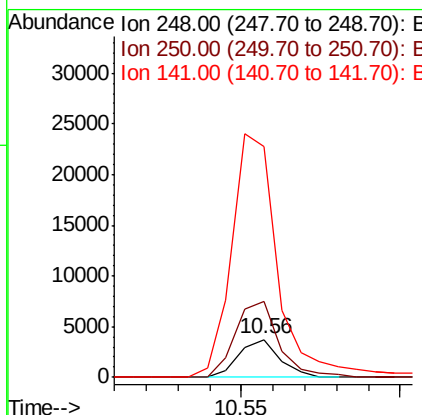
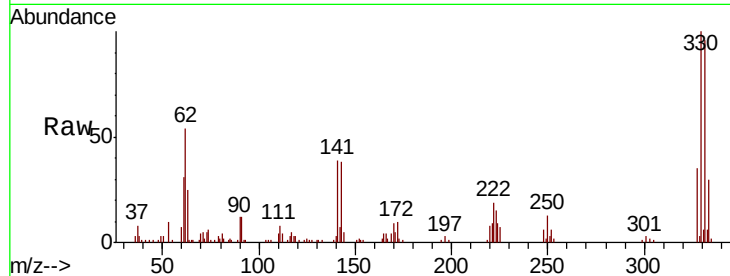




#67
 4-Bromophenyl-phenylether
 Concen: 3.961 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117543.D
 Acq: 25 Oct 2019 18:26

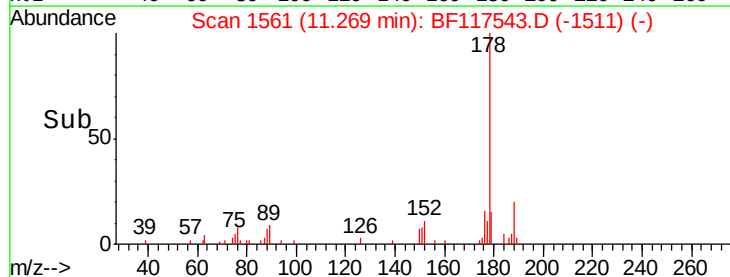
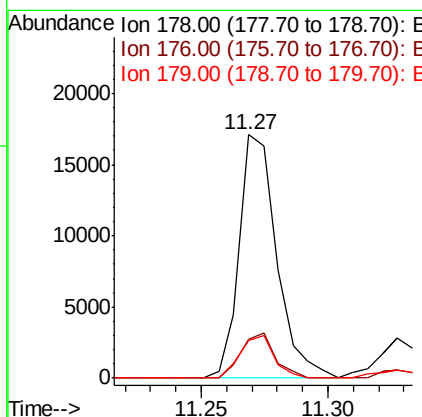
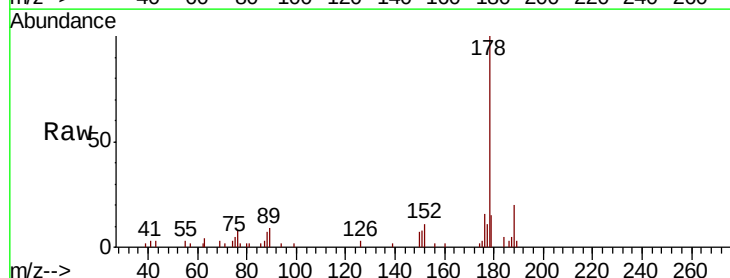
Instrument :
 BNA_F
 ClientSampleId :
 180-92-(0-2)

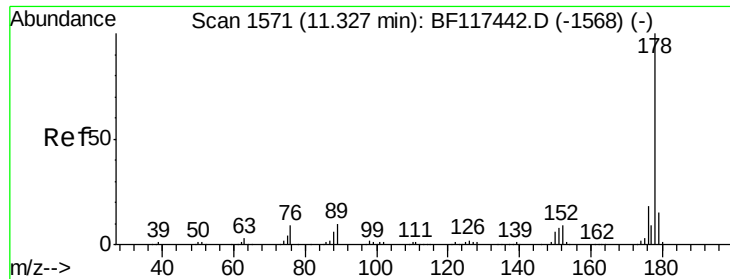
Tot Ion:248 Resp: 3385
 Ion Ratio Lower Upper
 248 100
 250 199.6 78.0 117.0#
 141 604.9 81.7 122.5#



#71
 Phenanthrene
 Concen: 3.832 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF117543.D
 Acq: 25 Oct 2019 18:26

Tgt Ion:178 Resp: 17651
 Ion Ratio Lower Upper
 178 100
 176 16.2 14.6 22.0
 179 15.5 12.6 19.0





#72

Anthracene

Concen: 3.735 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.06 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Instrument :

BNA_F

ClientSampleId :

180-92-(0-2)

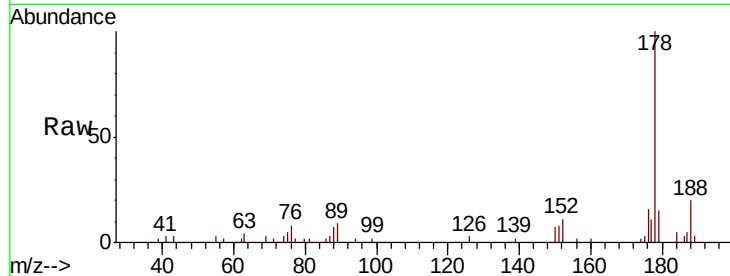
Tot Ion:178 Resp: 17651

Ion Ratio Lower Upper

178 100

176 16.2 14.7 22.1

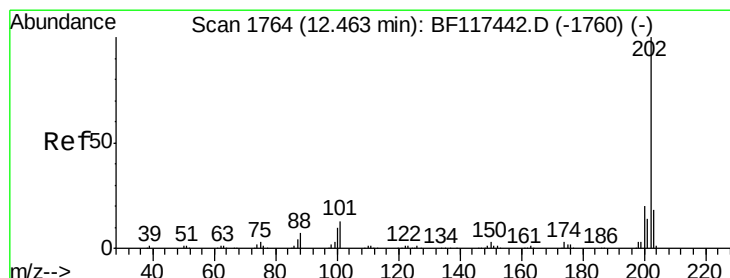
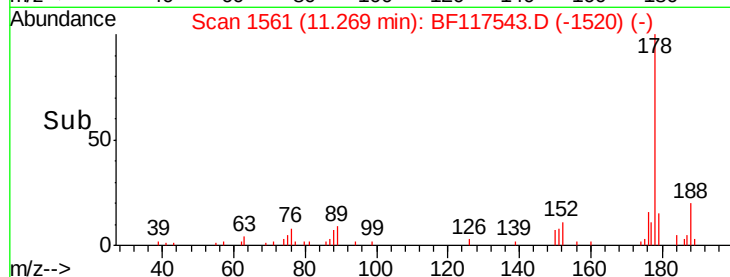
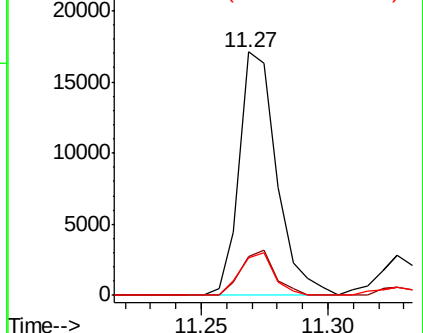
179 15.5 12.2 18.2



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: 10.617 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

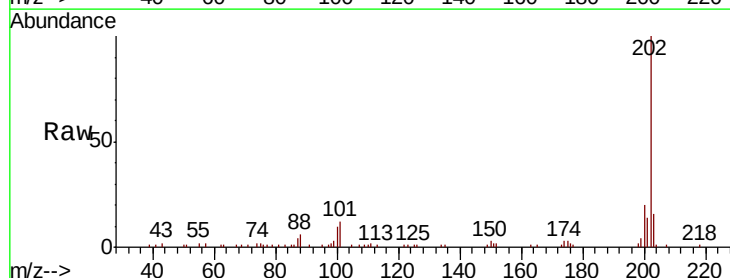
Tgt Ion:202 Resp: 48958

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.7

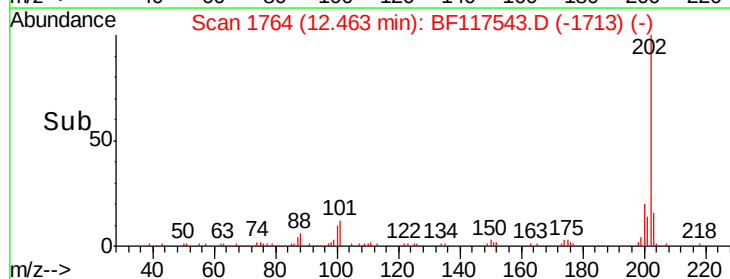
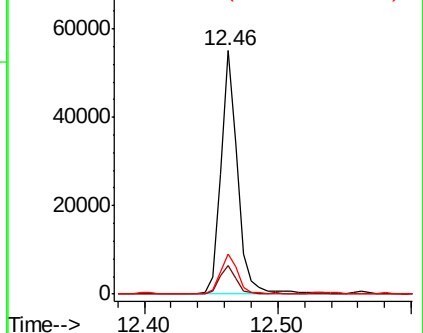
203 16.4 0.0 37.6

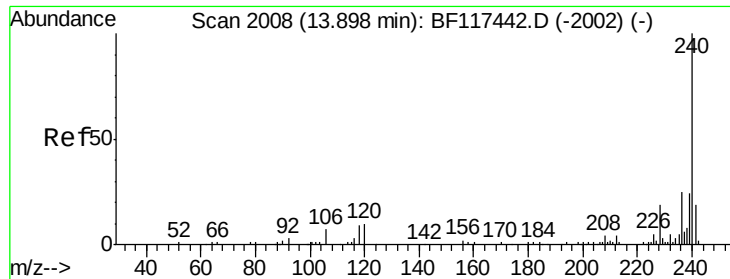


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

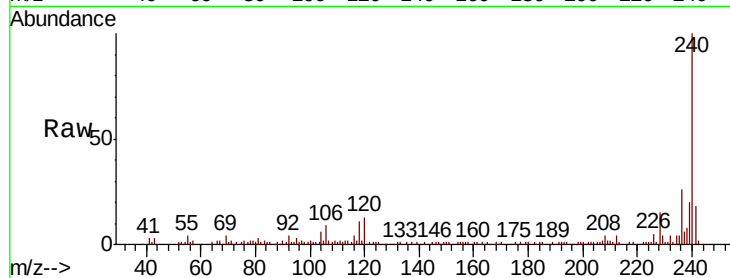




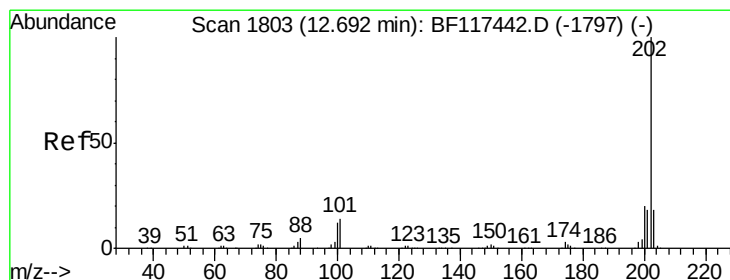
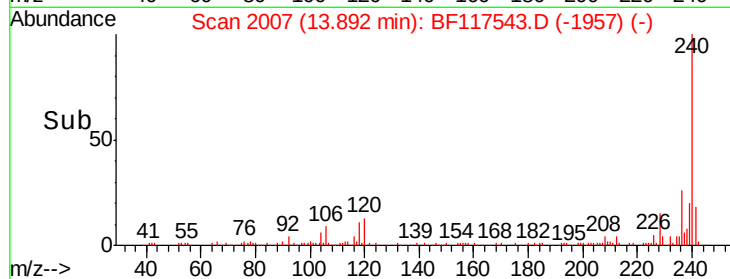
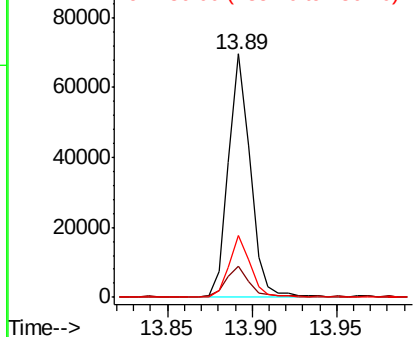
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

Tot Ion:240 Resp: 62792
Ion Ratio Lower Upper
240 100
120 12.6 8.4 12.6#
236 25.6 20.0 30.0

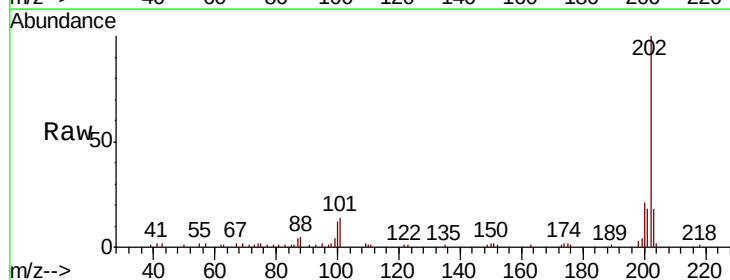


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

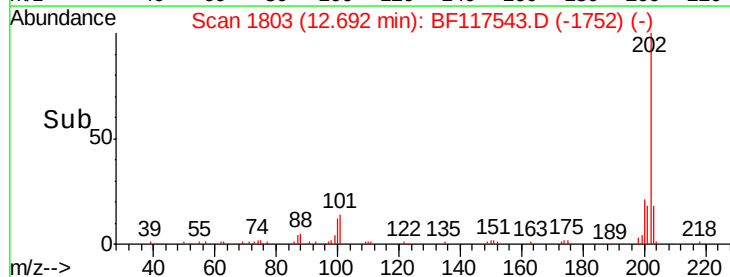
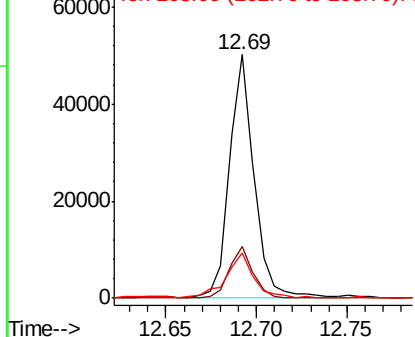


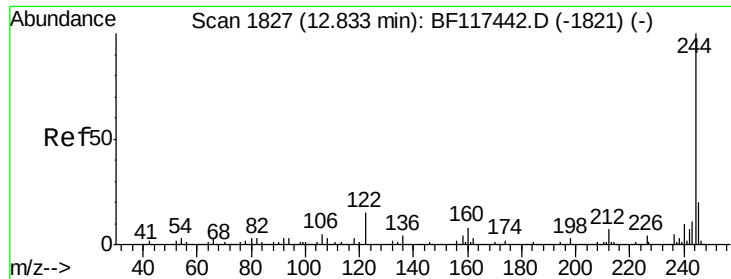
#78
Pyrene
Concen: 8.882 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion:202 Resp: 47907
Ion Ratio Lower Upper
202 100
200 21.1 16.2 24.2
203 18.5 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: 64.272 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Instrument :

BNA_F

ClientSampleId :

180-92-(0-2)

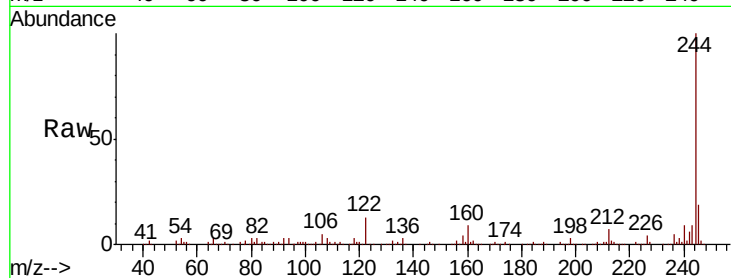
Tot Ion:244 Resp: 247425

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

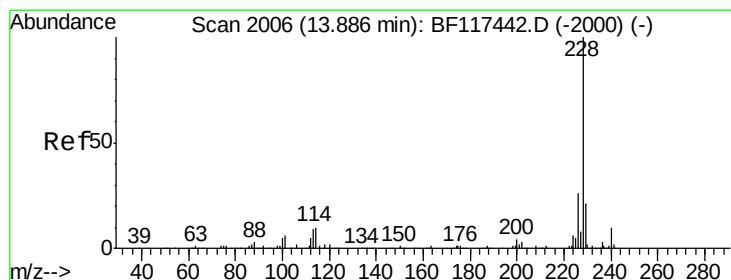
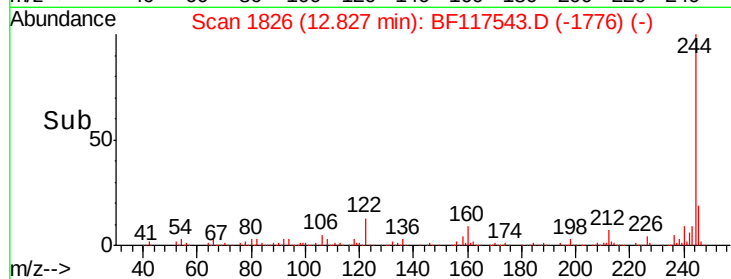
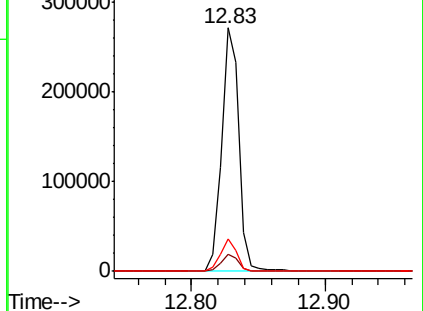
122 13.4 11.8 17.8



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: 8.399 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

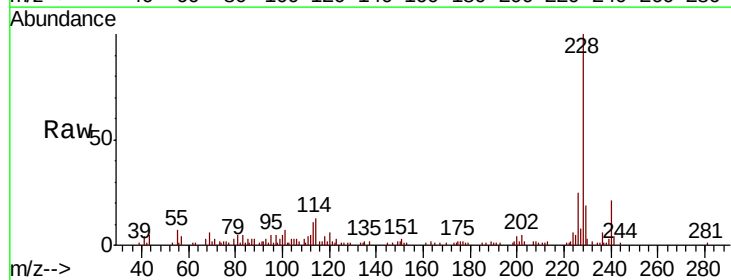
Tgt Ion:228 Resp: 35573

Ion Ratio Lower Upper

228 100

226 24.7 21.0 31.4

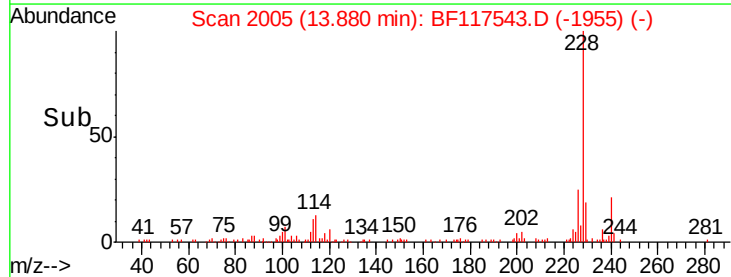
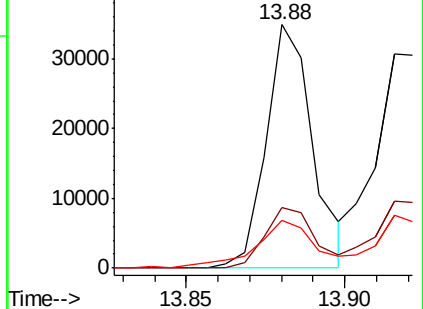
229 19.5 16.4 24.6

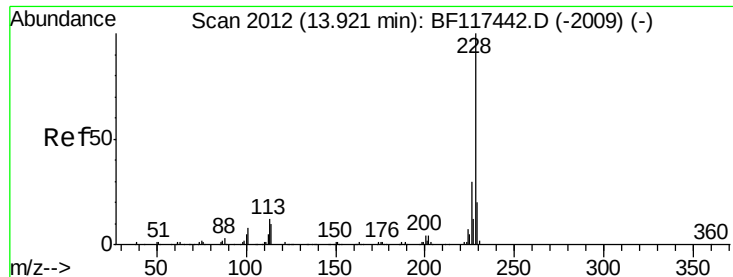


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.569 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.04 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

Instrument :

BNA_F

ClientSampleId :

180-92-(0-2)

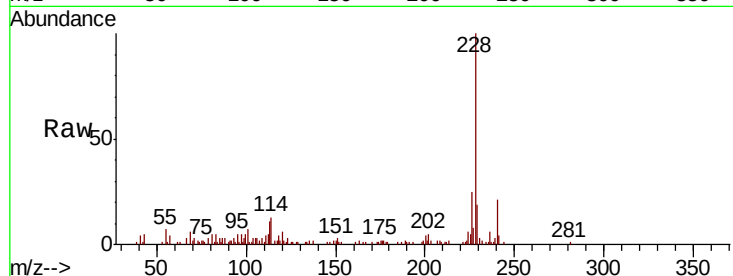
Tot Ion:228 Resp: 35573

Ion Ratio Lower Upper

228 100

226 24.7 23.9 35.9

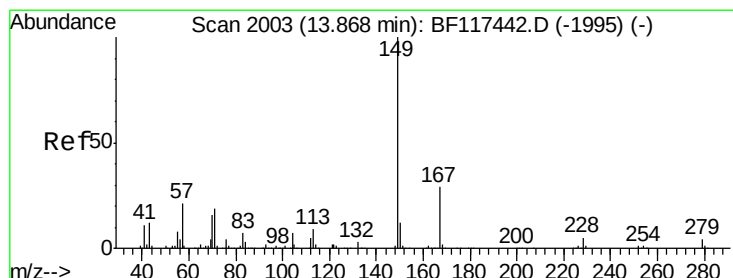
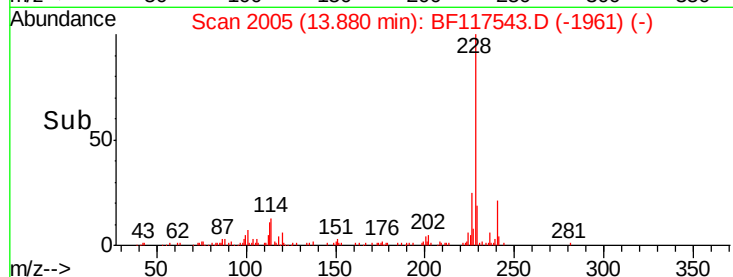
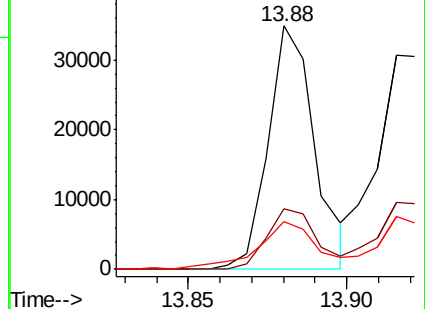
229 19.5 15.8 23.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.256 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF117543.D

Acq: 25 Oct 2019 18:26

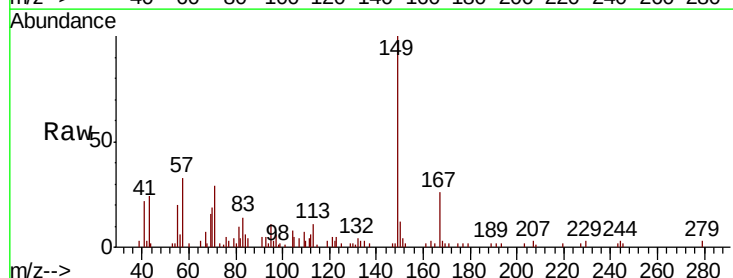
Tgt Ion:149 Resp: 19762

Ion Ratio Lower Upper

149 100

167 25.7 23.3 34.9

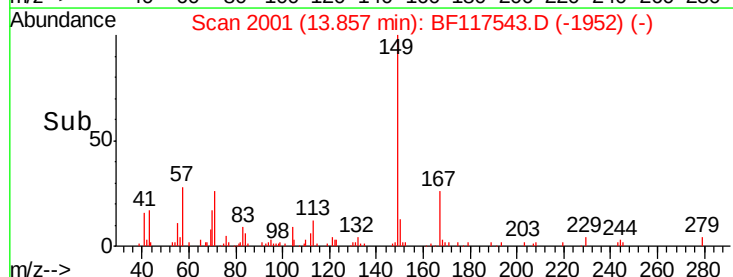
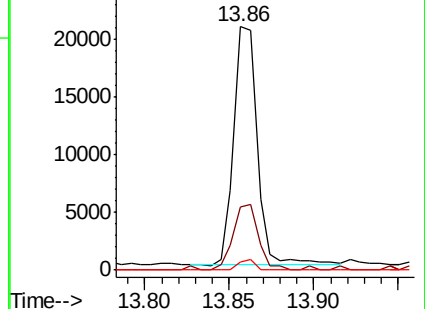
279 3.4 3.2 4.8

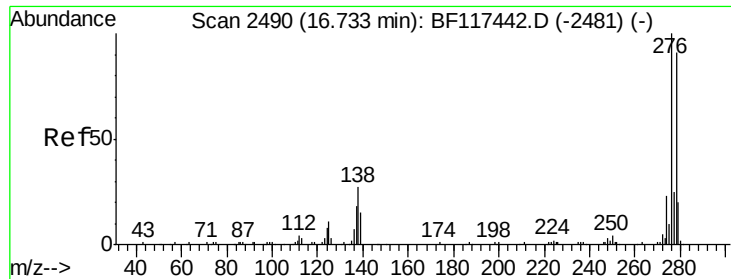


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

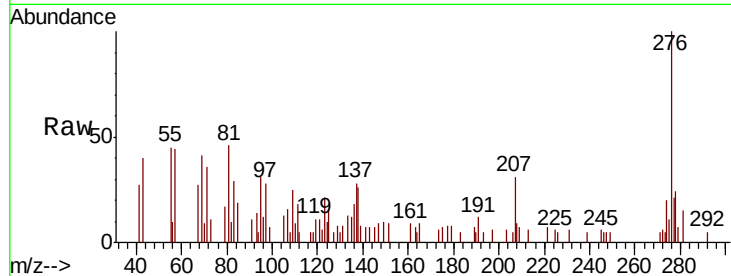




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.243 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BF117543.D
 Acq: 25 Oct 2019 18:26

Instrument :
 BNA_F
 ClientSampleId :
 180-92-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.9	21.8	32.8
277	27.4	20.0	30.0

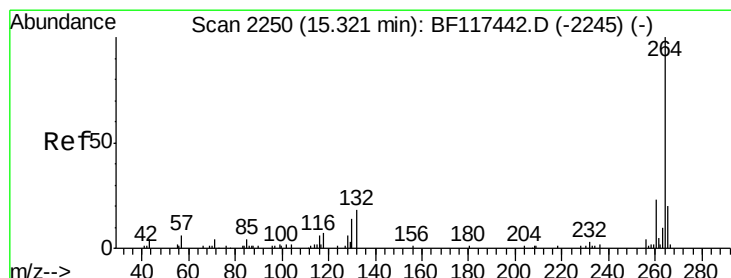
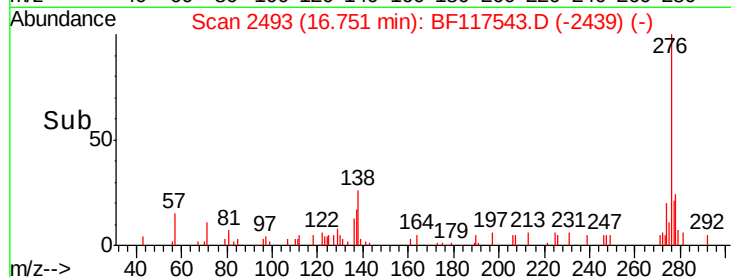
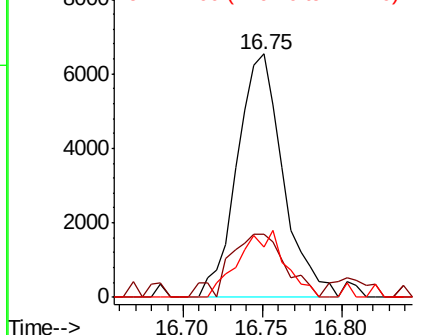


Abundance

Ion 276.00 (275.70 to 276.70): E

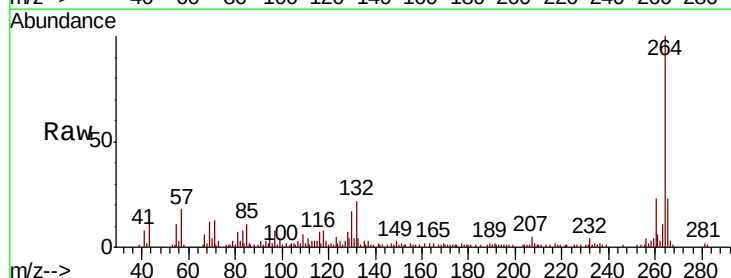
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117543.D
 Acq: 25 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.4	27.6
265	22.9	16.1	24.1

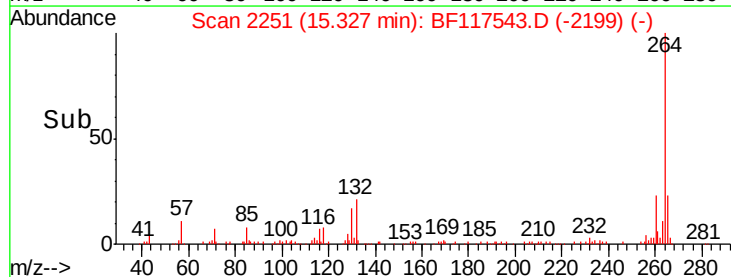
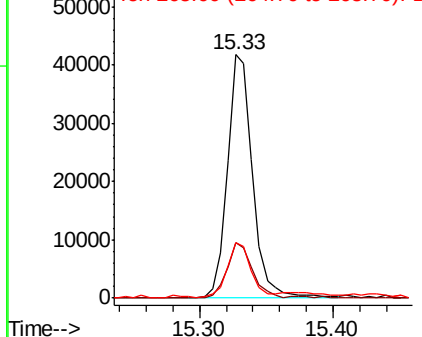


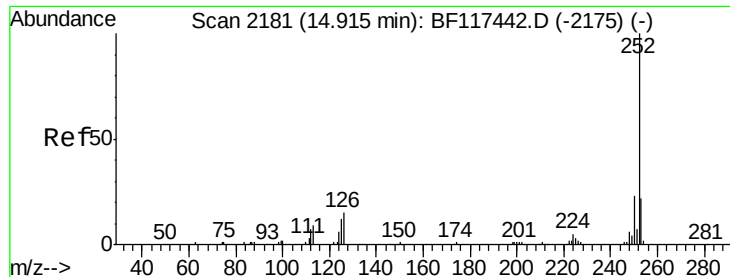
Abundance

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

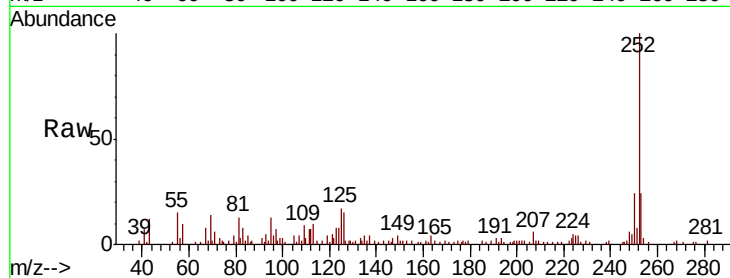




#88
Benzo(b)fluoranthene
Concen: 16.375 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	16.5	9.9	14.9#

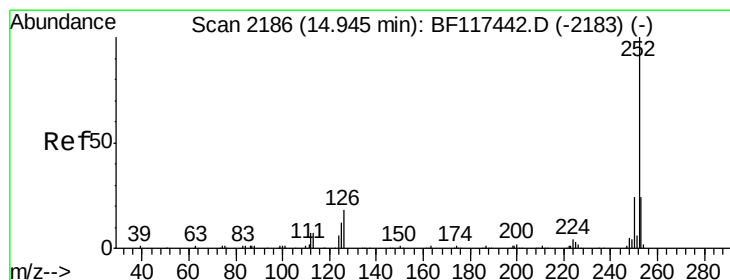
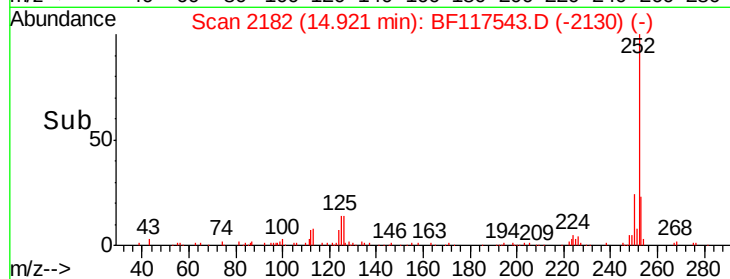
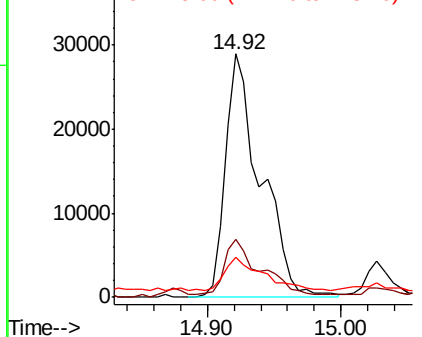


Abundance

Ion 252.00 (251.70 to 252.70): E

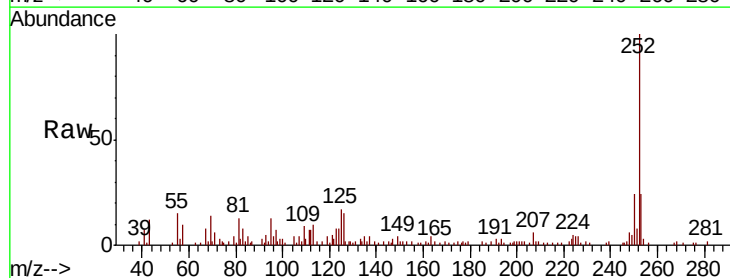
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 15.977 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	16.5	8.9	13.3#

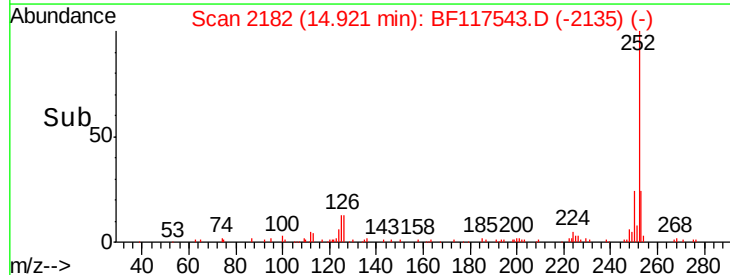
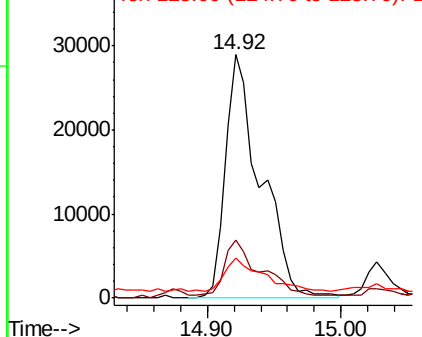


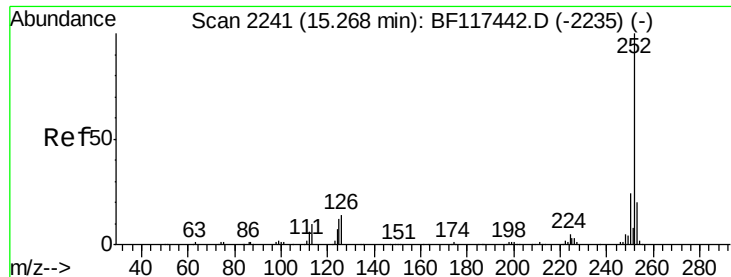
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

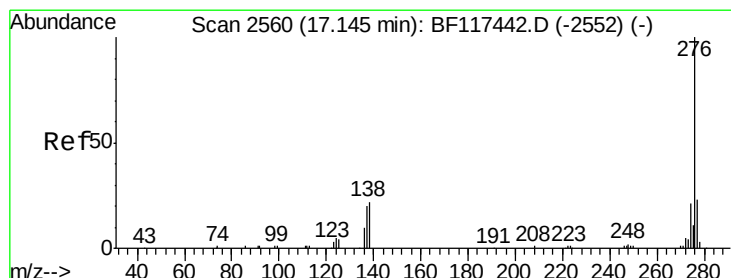
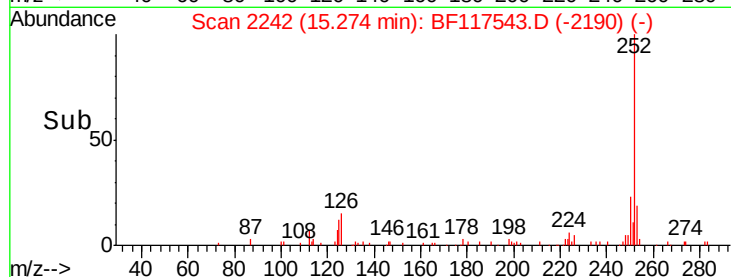
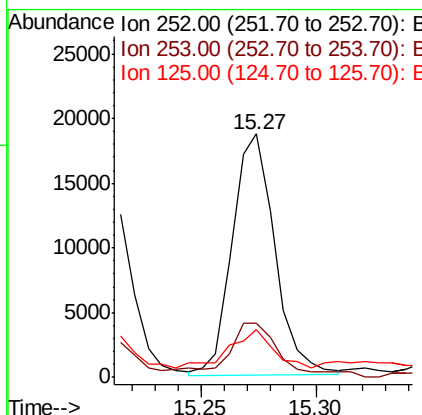
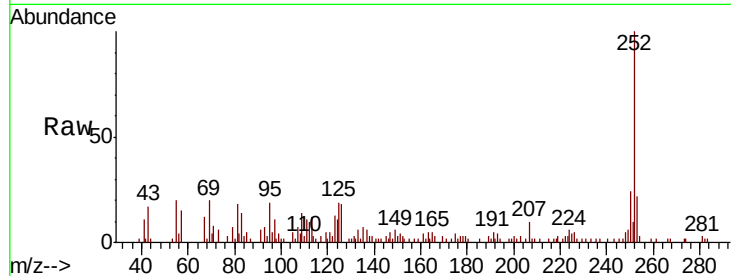




#90
Benzo(a)pyrene
Concen: 8.078 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Instrument :
BNA_F
ClientSampleId :
180-92-(0-2)

Tot Ion:252 Resp: 24033
Ion Ratio Lower Upper
252 100
253 22.2 16.3 24.5
125 19.5 9.2 13.8#



#92
Benzo(g,h,i)perylene
Concen: 4.824 ng
RT: 17.17 min Scan# 2565
Delta R.T. 0.03 min
Lab File: BF117543.D
Acq: 25 Oct 2019 18:26

Tgt Ion:276 Resp: 11742
Ion Ratio Lower Upper
276 100
277 24.0 18.4 27.6
138 27.5 17.8 26.6#

