

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118330.D
 Acq On : 26 Dec 2019 21:40
 Operator : JU
 Sample : K6118-10 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 03:27:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	122616	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	494952	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	239213	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	402307	20.00	ng	0.00
76) Chrysene-d12	14.04	240	353594	20.00	ng	0.00
87) Perylene-d12	15.54	264	271115	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	136343	18.98	ng	0.00
7) Phenol-d6	6.48	99	172534	19.36	ng	0.00
23) Nitrobenzene-d5	7.42	82	98244	11.35	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	43944	14.88	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	215619	13.76	ng	0.00
79) Terphenyl-d14	12.98	244	240174	11.27	ng	0.00

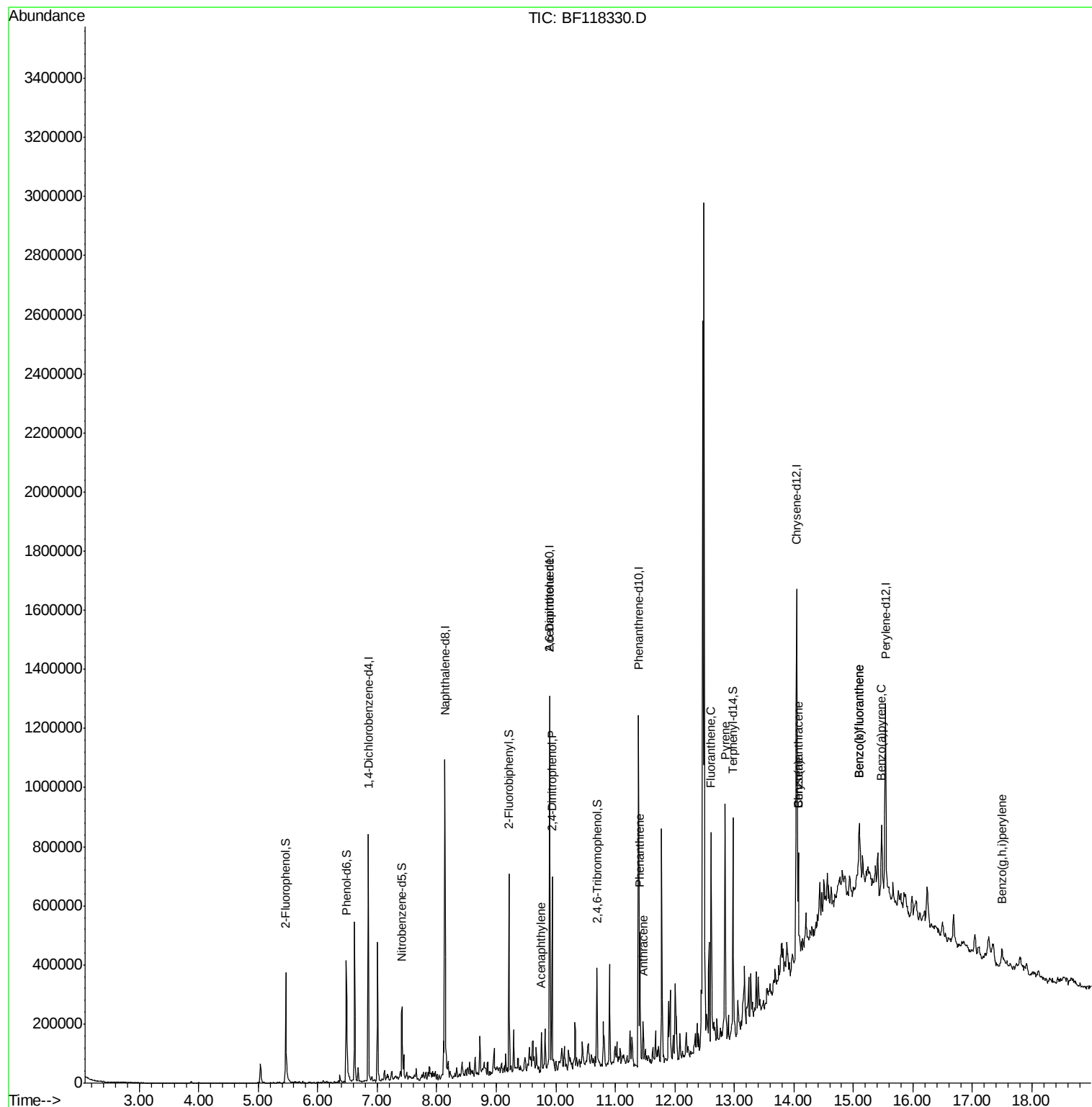
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.76	152	48620	2.153	ng	96
51) 2,6-Dinitrotoluene	9.90	165	32472	8.388	ng	# 27
54) 2,4-Dinitrophenol	9.94	184	1228	5.773	ng	# 9
71) Phenanthrene	11.42	178	150024	6.841	ng	98
72) Anthracene	11.47	178	53349	2.430	ng	98
75) Fluoranthene	12.61	202	241447	10.908	ng	97
78) Pyrene	12.84	202	315967	10.943	ng	100
81) Benzo(a)anthracene	14.07	228	143542	5.800	ng	95
83) Chrysene	14.07	228	143542	6.057	ng	97
88) Benzo(b)fluoranthene	15.10	252	152555	8.477	ng	# 88
89) Benzo(k)fluoranthene	15.10	252	152555	8.828	ng	# 89
90) Benzo(a)pyrene	15.47	252	93274	5.883	ng	# 91
92) Benzo(a,h,i)perylene	17.50	276	45662	3.436	ng	98

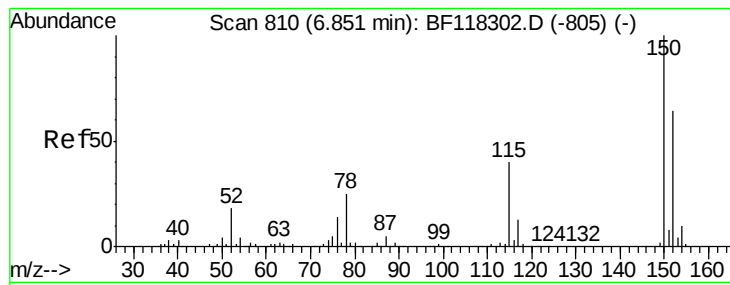
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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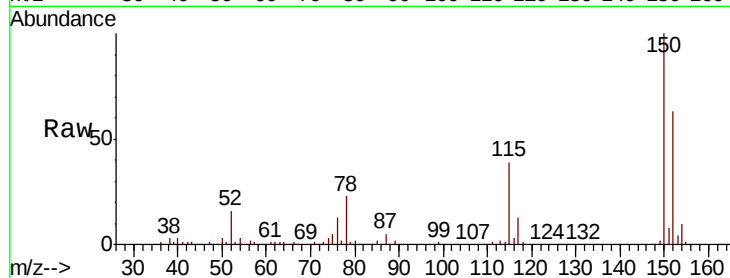




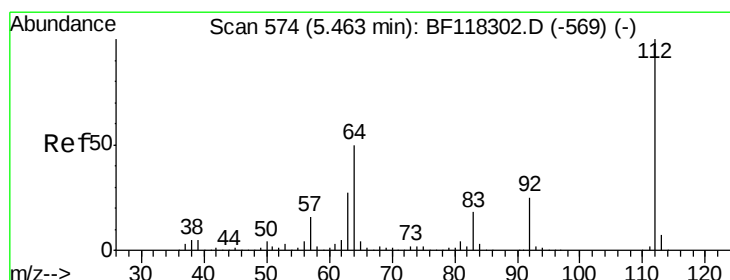
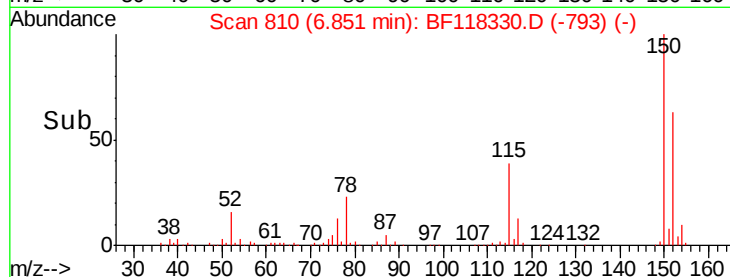
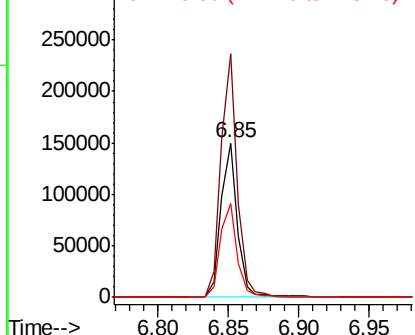
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF118330.D
 Acq: 26 Dec 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 122616
 Ion Ratio Lower Upper
 152 100
 150 158.0 125.4 188.2
 115 60.9 50.2 75.4

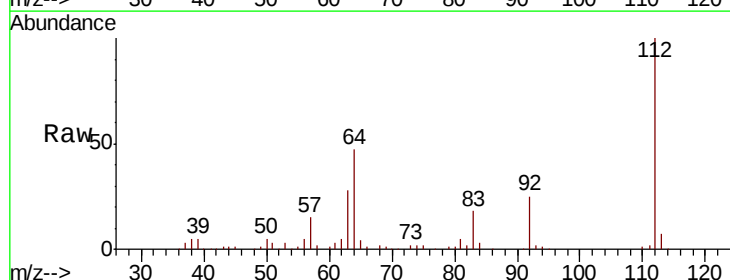


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

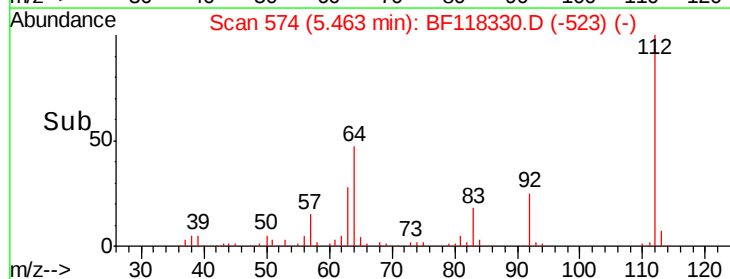
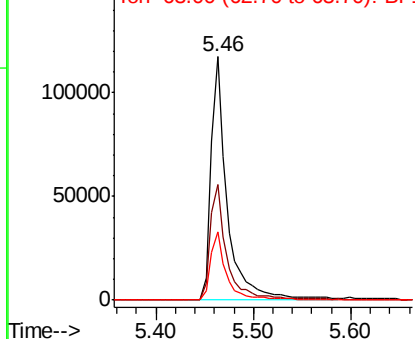


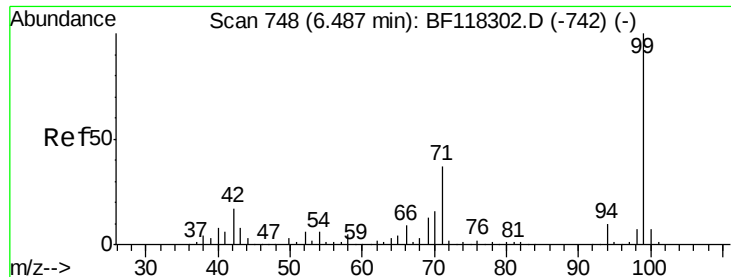
#5
 2-Fluorophenol
 Concen: 18.981 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF118330.D
 Acq: 26 Dec 2019 21:40

Tgt Ion:112 Resp: 136343
 Ion Ratio Lower Upper
 112 100
 64 47.3 39.7 59.5
 63 28.1 21.7 32.5



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: 19.362 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

Instrument :

BNA_F

ClientSampleId :

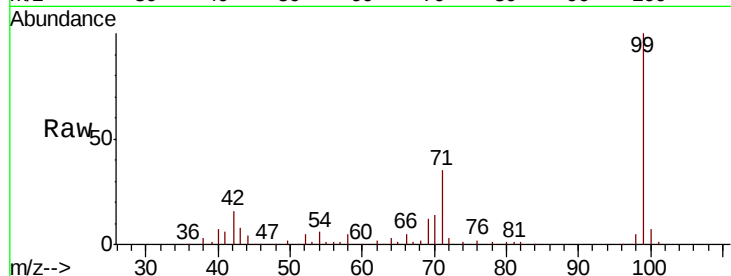
Tot Ion: 99 Resp: 172534

Ion Ratio Lower Upper

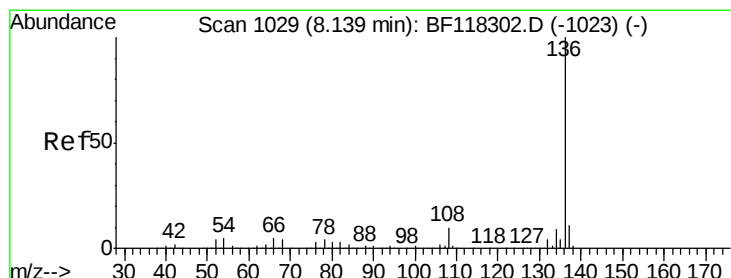
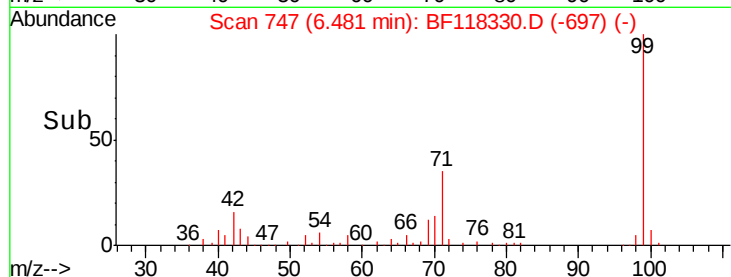
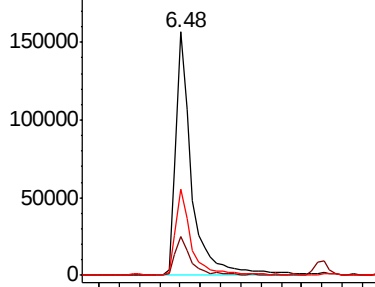
99 100

42 15.8 13.5 20.3

71 35.1 29.4 44.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

Tgt Ion: 136 Resp: 494952

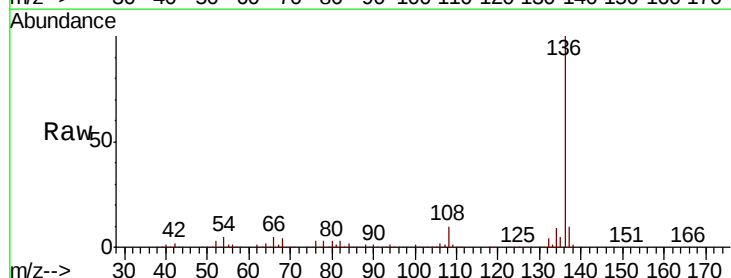
Ion Ratio Lower Upper

136 100

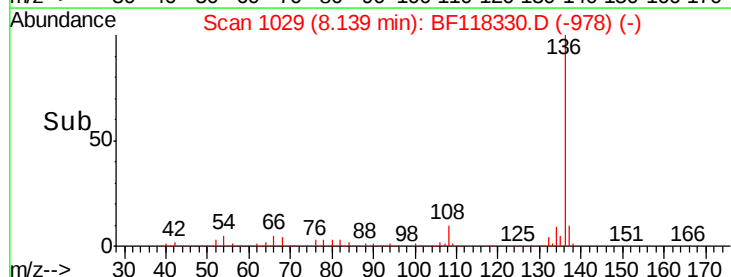
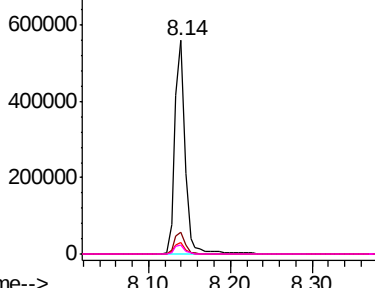
137 10.5 8.9 13.3

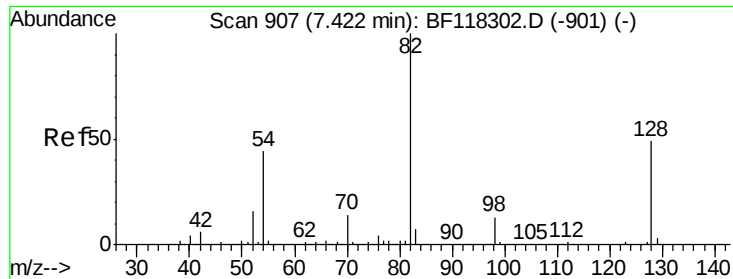
54 5.2 4.2 6.4

68 4.4 3.5 5.3



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

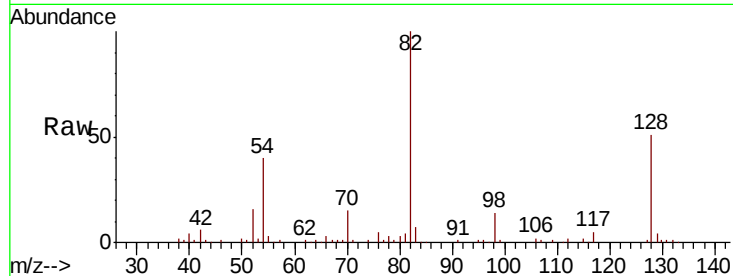




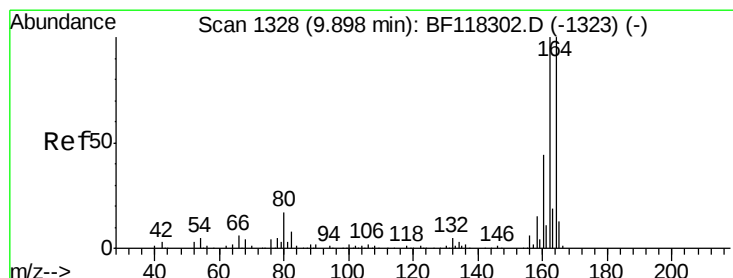
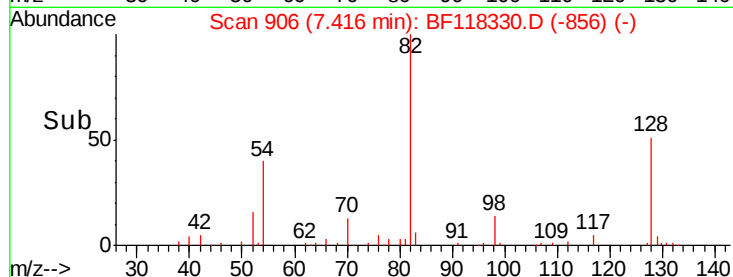
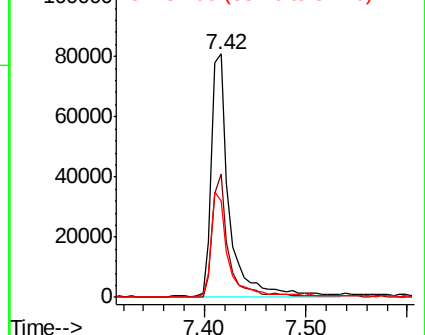
#23
 Nitrobenzene-d5
 Concen: 11.353 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF118330.D
 Acq: 26 Dec 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 98244
 Ion Ratio Lower Upper
 82 100
 128 50.9 39.6 59.4
 54 39.8 34.9 52.3

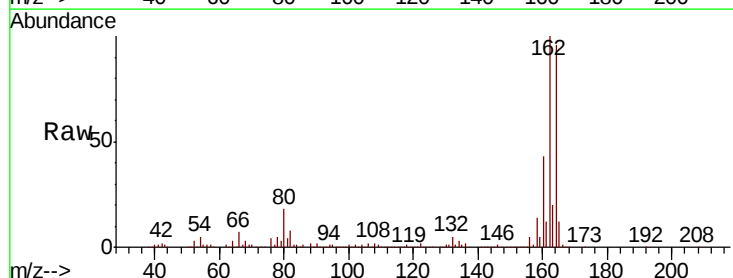


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

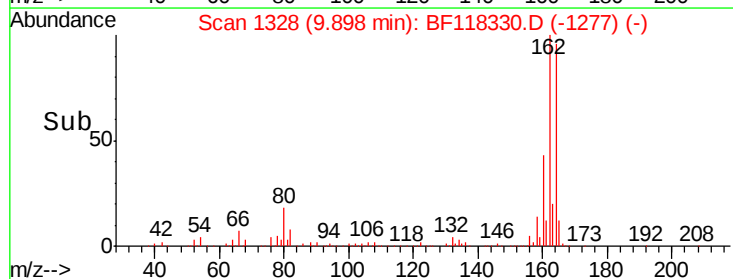
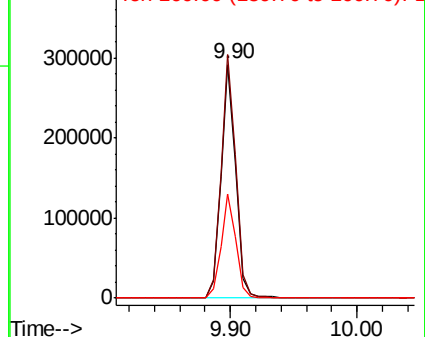


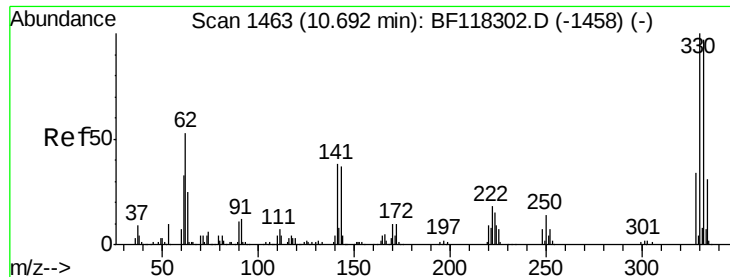
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF118330.D
 Acq: 26 Dec 2019 21:40

Tgt Ion:164 Resp: 239213
 Ion Ratio Lower Upper
 164 100
 162 104.2 80.0 120.0
 160 44.4 34.8 52.2



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

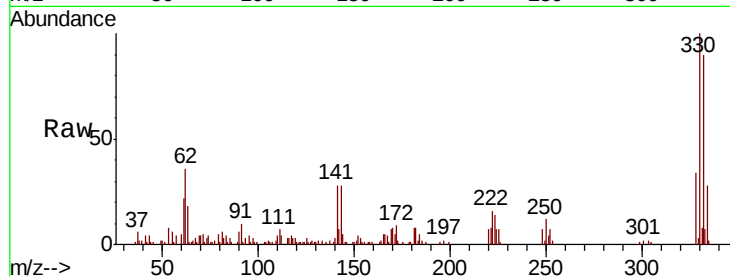




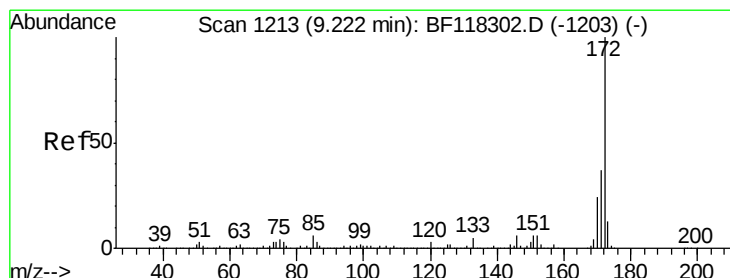
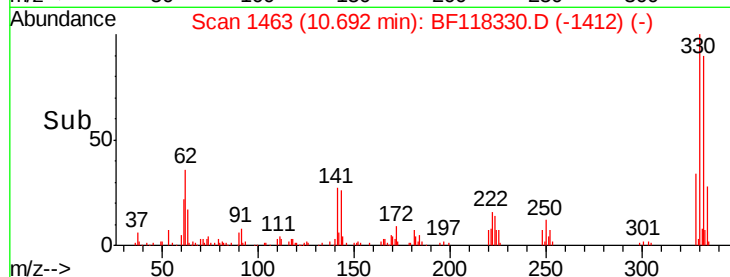
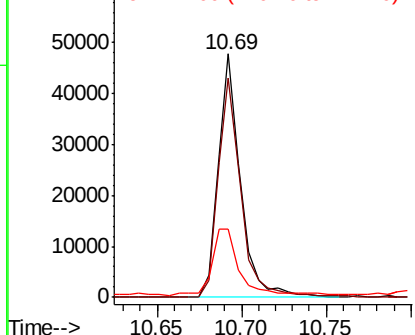
#42
 2,4,6-Tribromophenol
 Concen: 14.876 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118330.D
 Acq: 26 Dec 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 43944
 Ion Ratio Lower Upper
 330 100
 332 93.1 76.6 114.8
 141 33.1 26.0 39.0

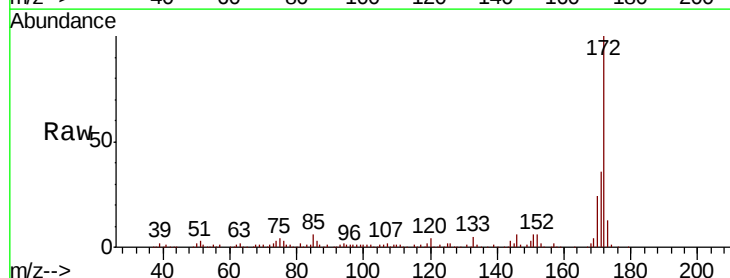


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

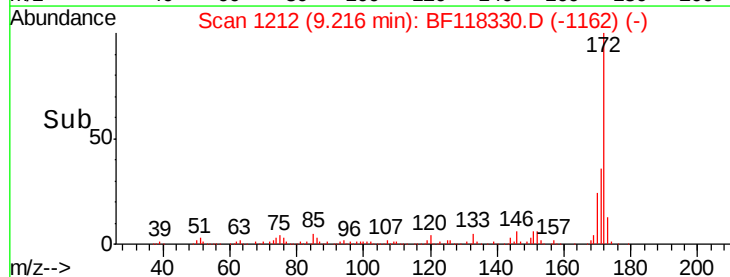
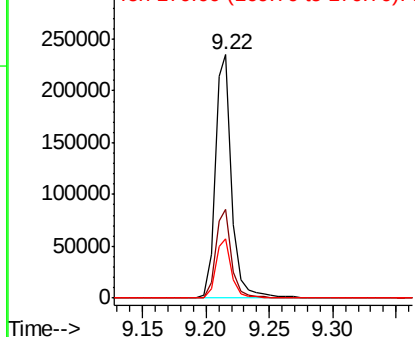


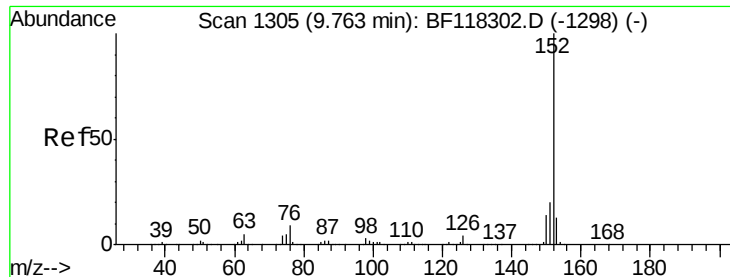
#45
 2-Fluorobiphenyl
 Concen: 13.759 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118330.D
 Acq: 26 Dec 2019 21:40

Tgt Ion:172 Resp: 215619
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.3 43.9
 170 24.4 19.2 28.8



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





#49

Acenaphthylene

Concen: 2.153 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

Instrument :

BNA_F

ClientSampleId :

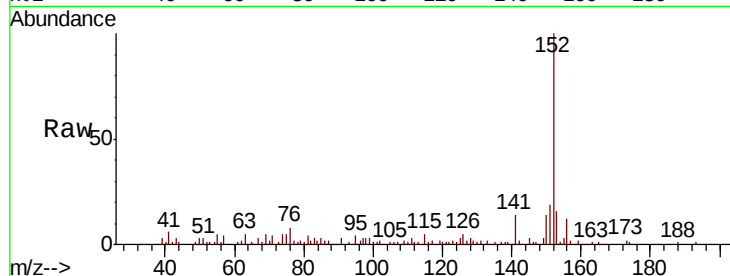
Tot Ion:152 Resp: 48620

Ion Ratio Lower Upper

152 100

151 19.4 16.2 24.2

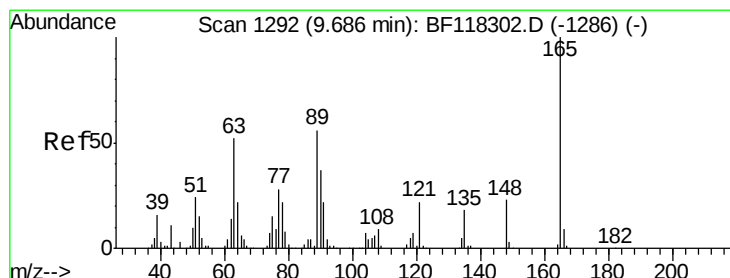
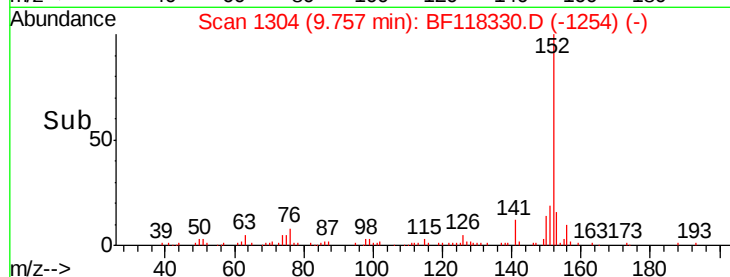
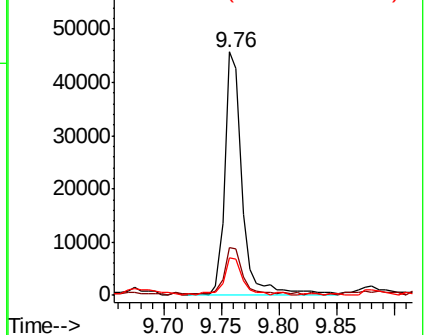
153 15.6 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

2,6-Dinitrotoluene

Concen: 8.388 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

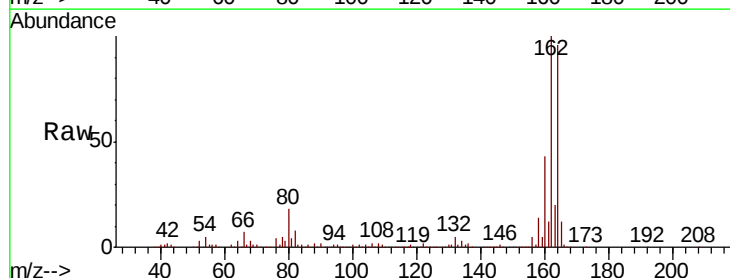
Tgt Ion:165 Resp: 32472

Ion Ratio Lower Upper

165 100

63 1.6 42.2 63.4#

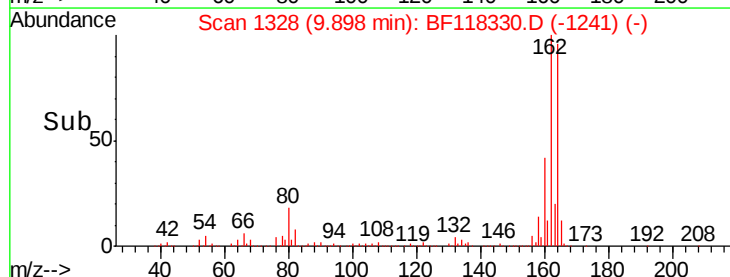
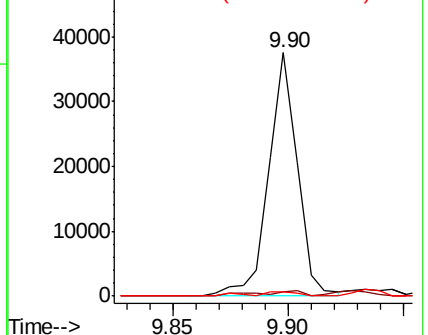
89 1.9 44.4 66.6#

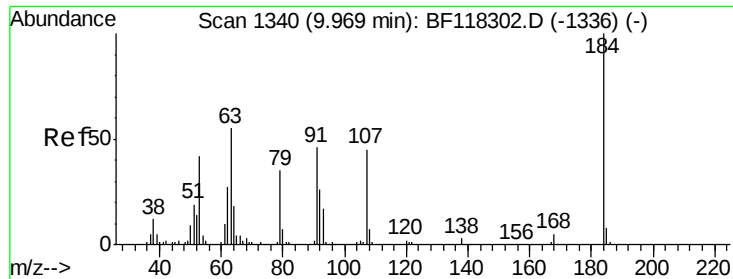


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#54

2,4-Dinitrophenol

Concen: 5.773 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

Instrument :

BNA_F

ClientSampleId :

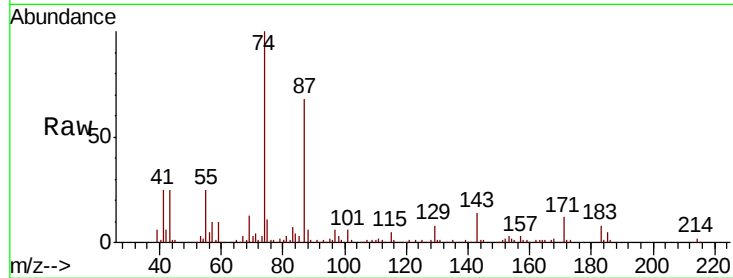
Tot Ion:184 Resp: 1228

Ion Ratio Lower Upper

184 100

63 20.5 48.8 73.2#

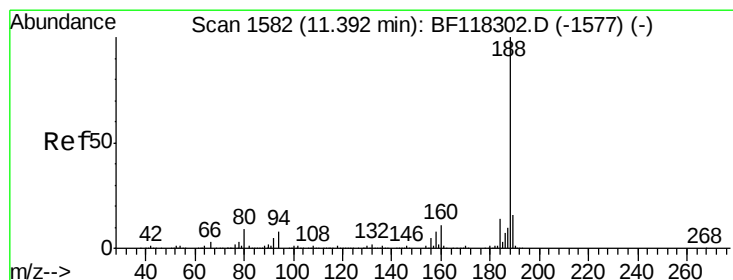
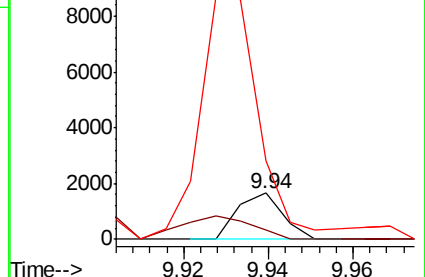
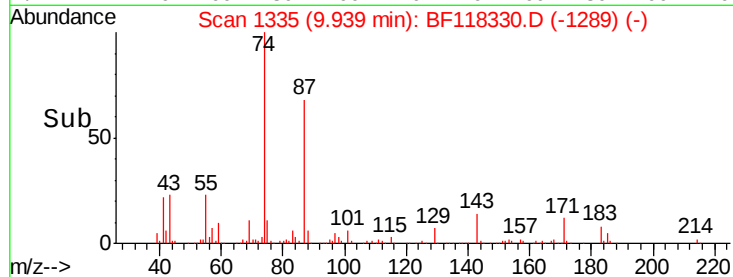
154 170.0 55.0 82.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

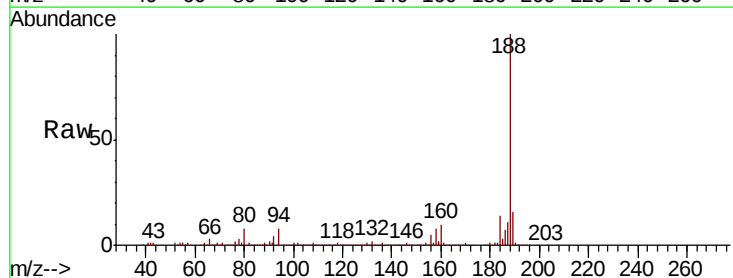
Tgt Ion:188 Resp: 402307

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

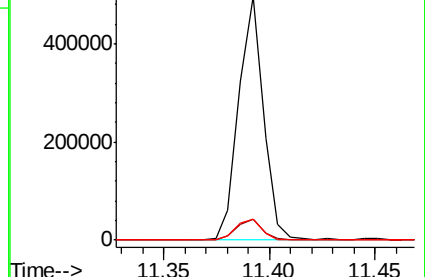
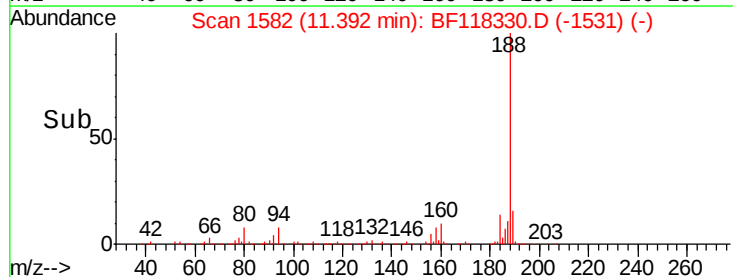
80 8.4 7.2 10.8

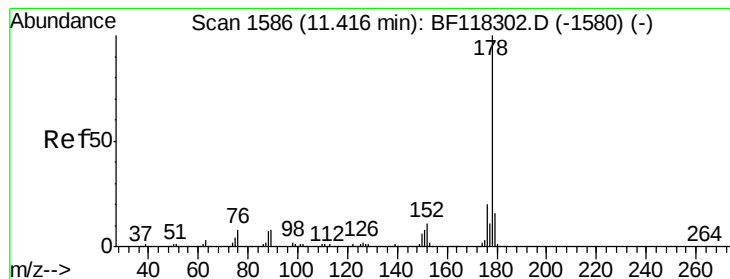


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 6.841 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

Instrument :

BNA_F

ClientSampleId :

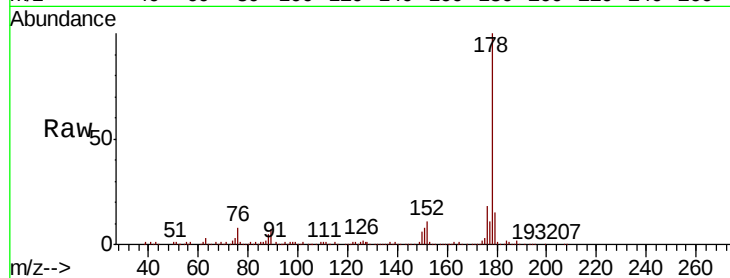
Tot Ion:178 Resp: 150024

Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

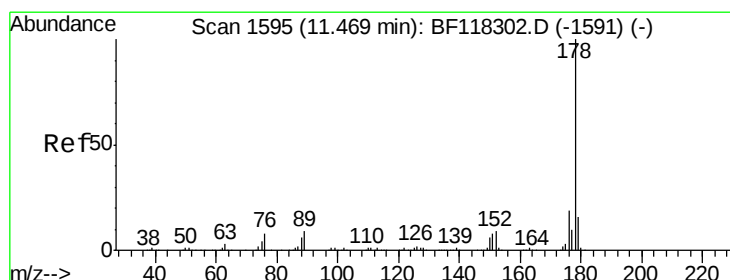
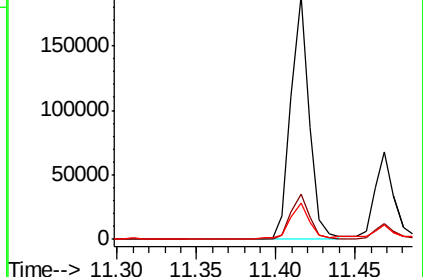
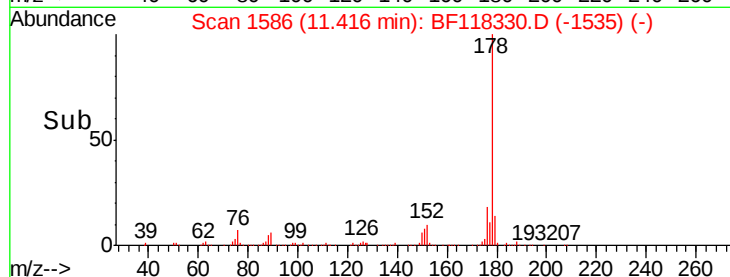
179 14.7 12.6 19.0



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: 2.430 ng

RT: 11.47 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

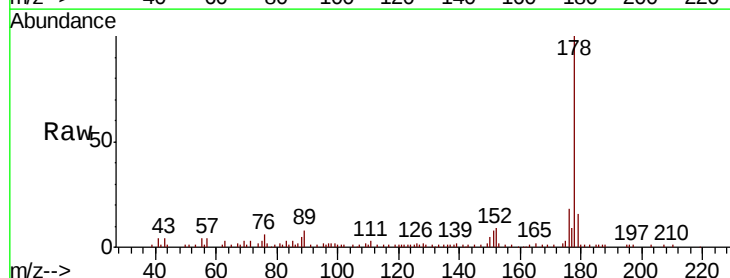
Tgt Ion:178 Resp: 53349

Ion Ratio Lower Upper

178 100

176 17.6 15.2 22.8

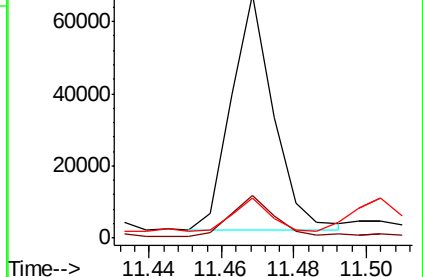
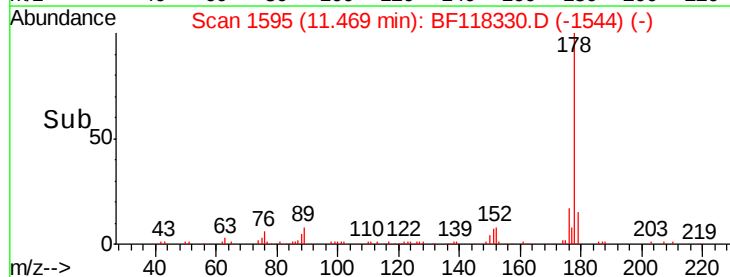
179 16.3 12.9 19.3

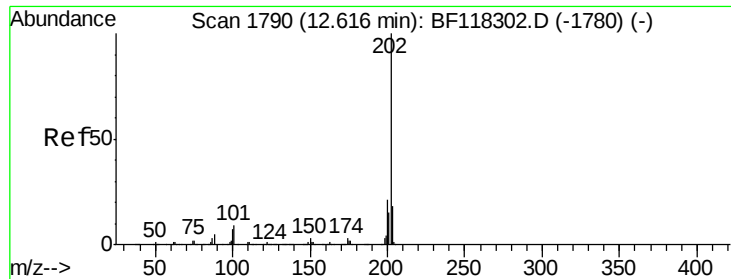


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.908 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118330.D

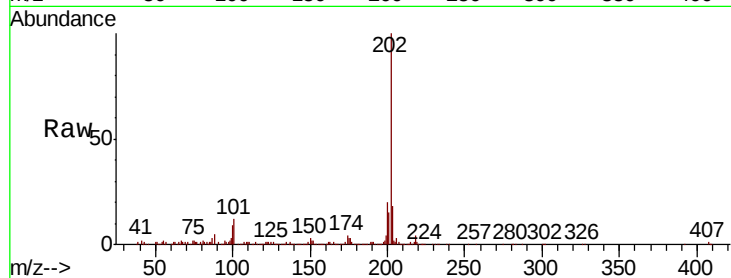
Acq: 26 Dec 2019 21:40

Instrument :

BNA_F

ClientSampleId :

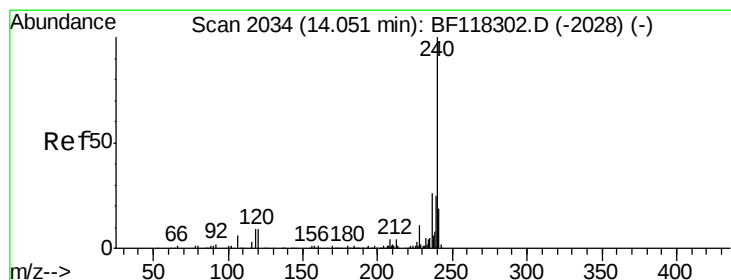
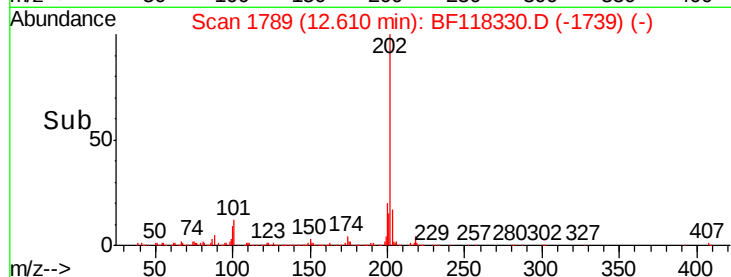
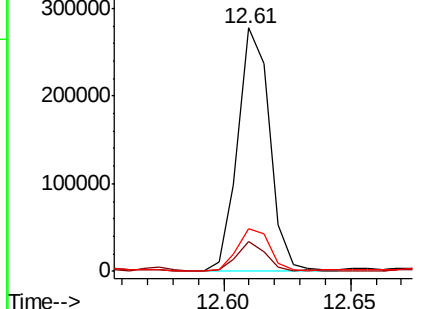
Tot Ion:	202	Resp:	241447
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	29.5
203	17.5	0.0	37.6



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

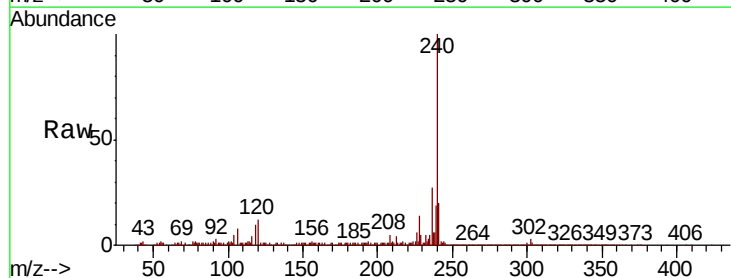
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

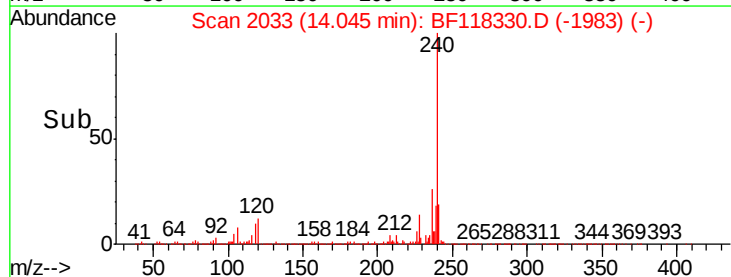
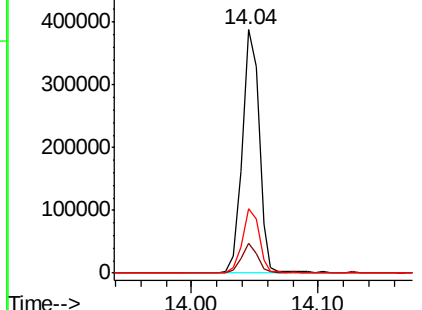
Tgt Ion:	240	Resp:	353594
Ion	Ratio	Lower	Upper
240	100		
120	12.3	7.1	10.7#
236	26.6	21.0	31.6

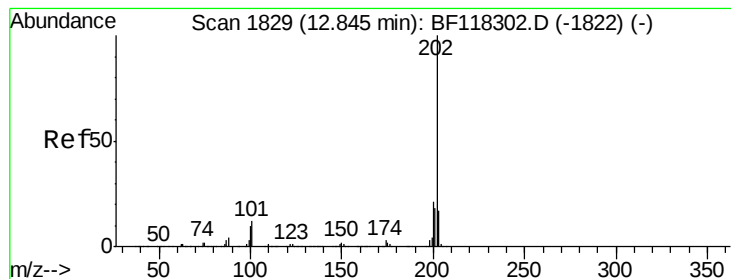


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 10.943 ng

RT: 12.84 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

Instrument :

BNA_F

ClientSampleId :

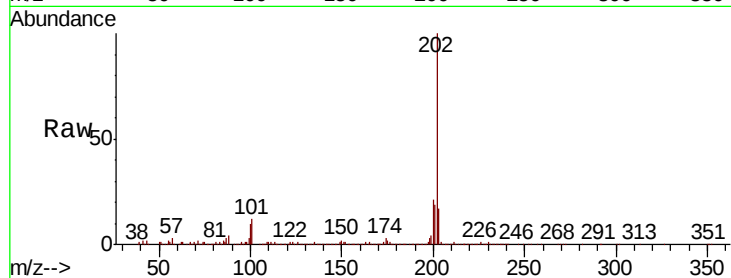
Tot Ion:202 Resp: 315967

Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

203 17.4 13.9 20.9

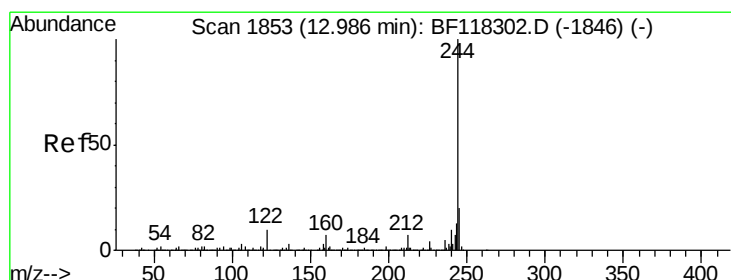
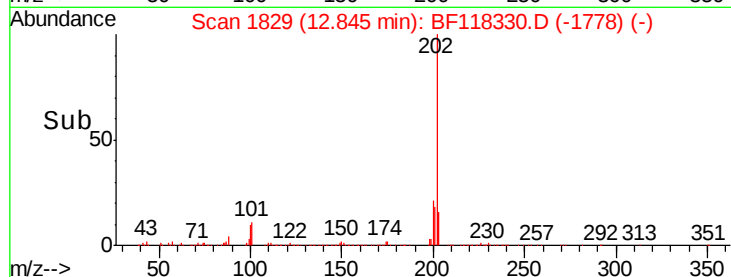
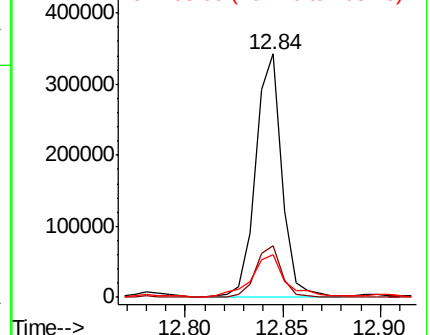


Abundance

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: 11.269 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

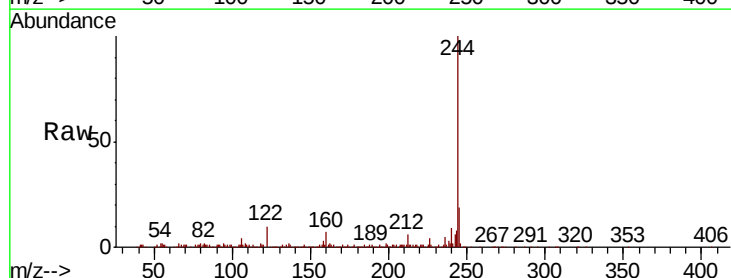
Tgt Ion:244 Resp: 240174

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 9.7 7.8 11.8

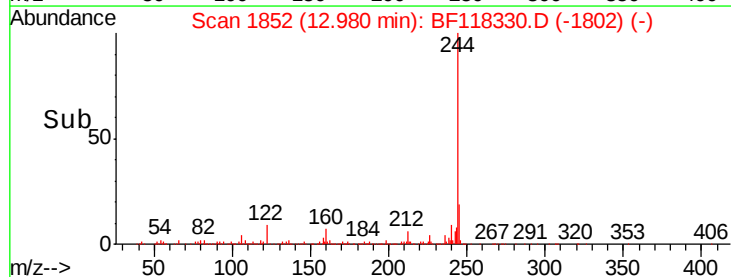
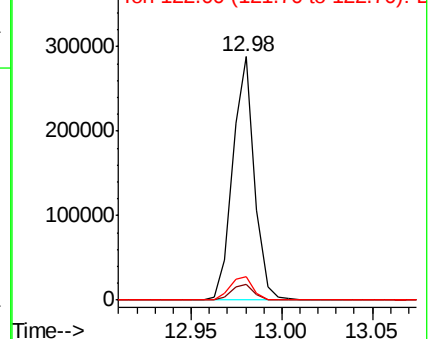


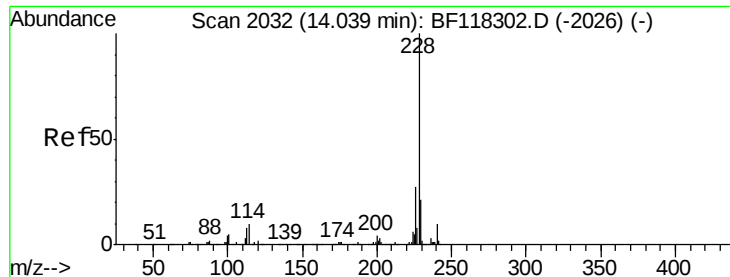
Abundance

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

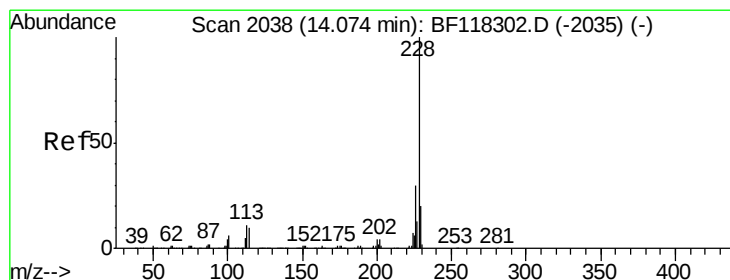
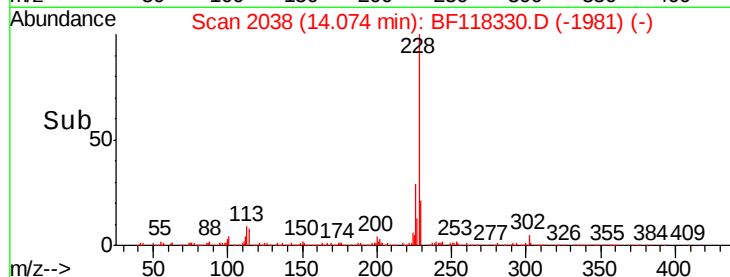
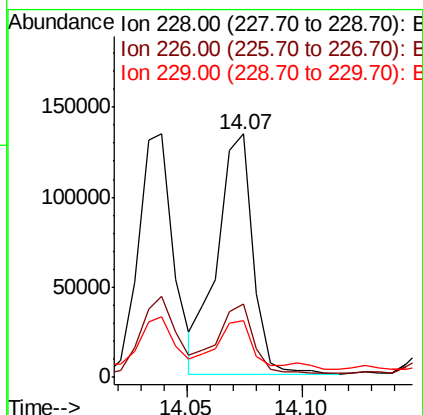
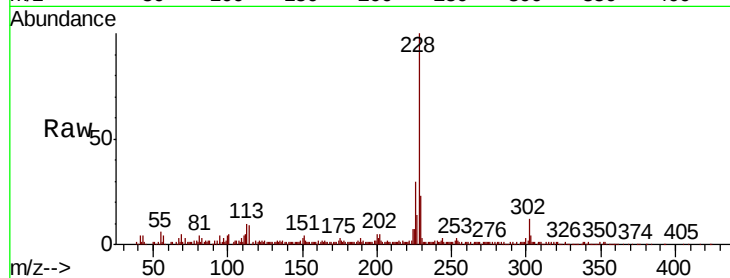




#81
Benzo(a)anthracene
Concen: 5.800 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.04 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

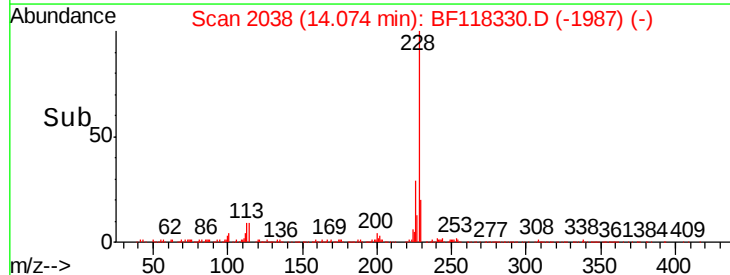
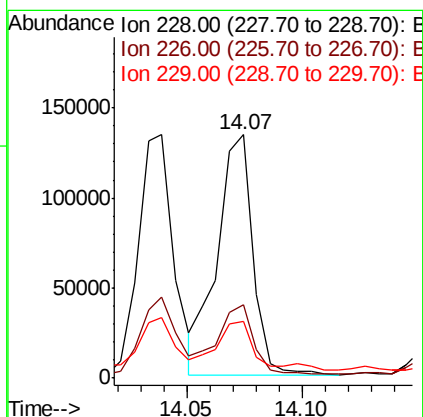
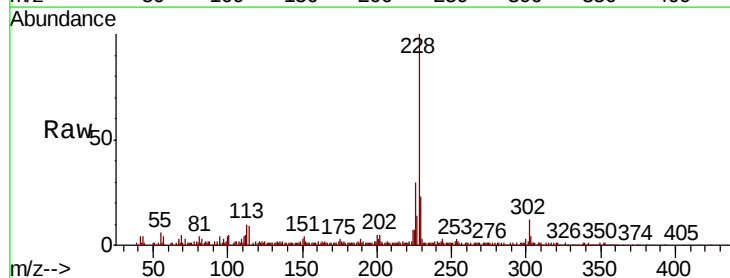
Instrument :
BNA_F
ClientSampleId :

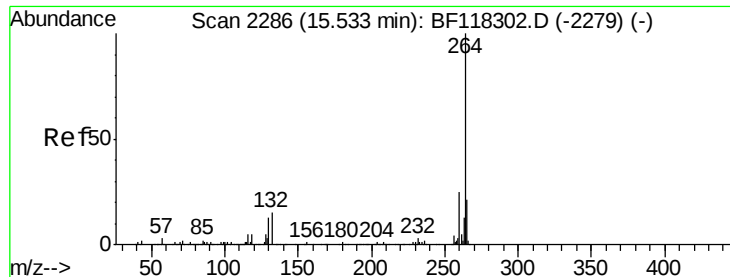
Tot Ion:228 Resp: 143542
Ion Ratio Lower Upper
228 100
226 30.3 22.0 33.0
229 23.2 16.6 24.8



#83
Chrysene
Concen: 6.057 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:228 Resp: 143542
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 23.2 16.1 24.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

Instrument :

BNA_F

ClientSampled :

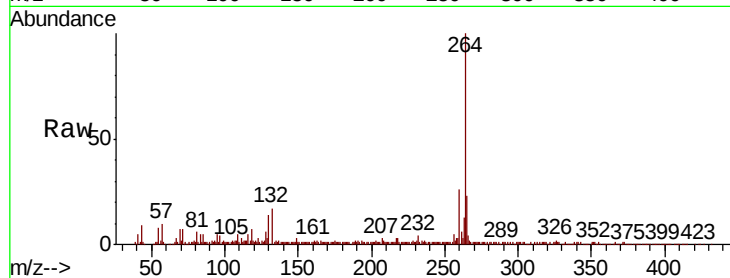
Tot Ion:264 Resp: 271115

Ion Ratio Lower Upper

264 100

260 25.5 19.8 29.6

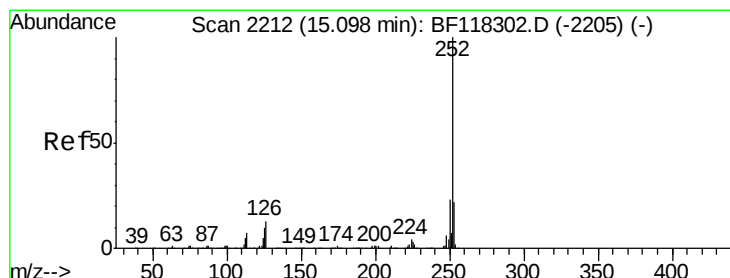
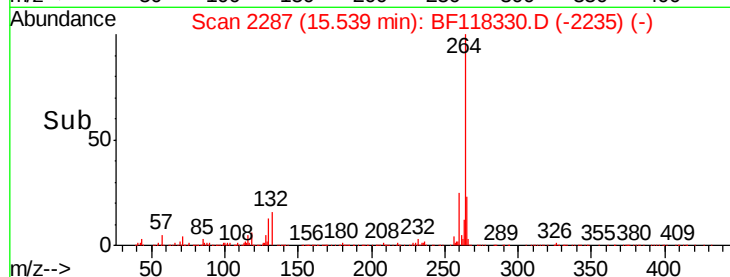
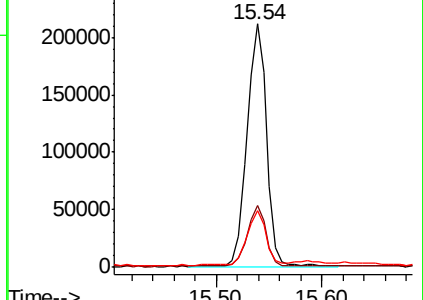
265 23.2 17.0 25.4



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: 8.477 ng

RT: 15.10 min Scan# 2212

Delta R.T. 0.00 min

Lab File: BF118330.D

Acq: 26 Dec 2019 21:40

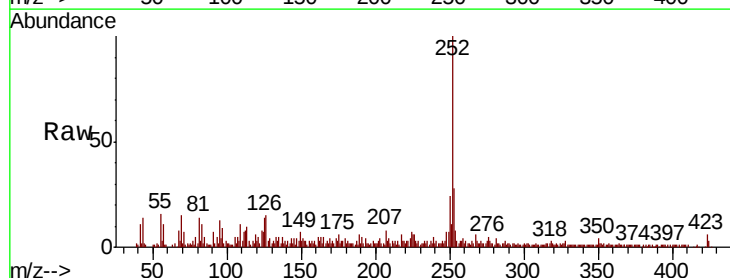
Tgt Ion:252 Resp: 152555

Ion Ratio Lower Upper

252 100

253 27.6 17.5 26.3#

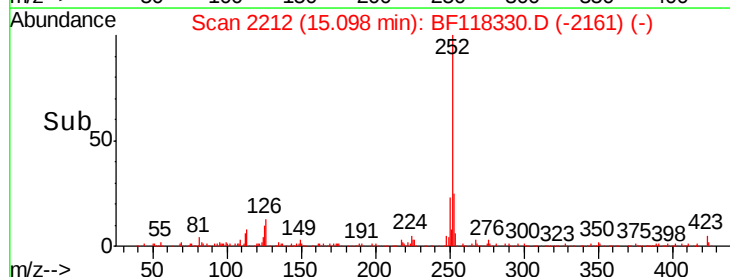
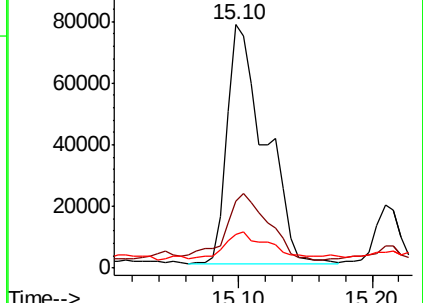
125 14.0 7.7 11.5#

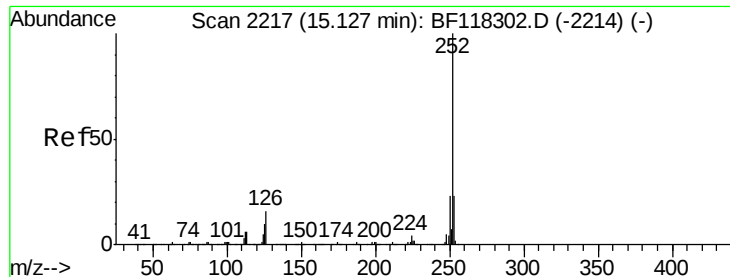


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

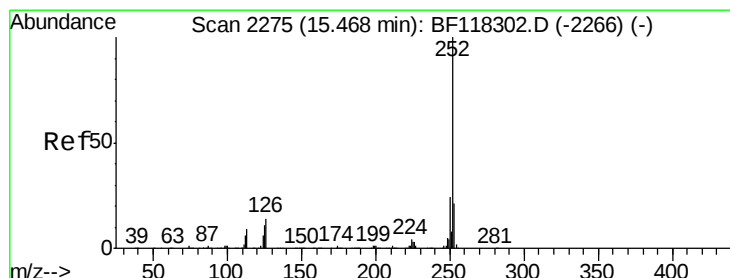
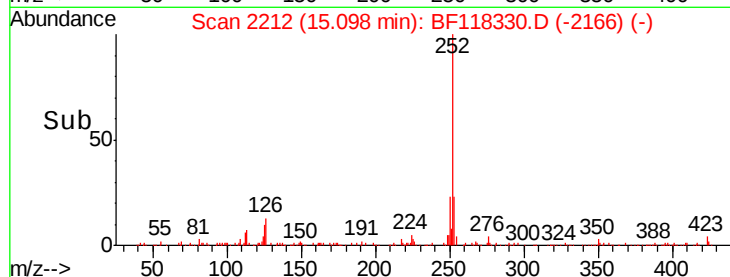
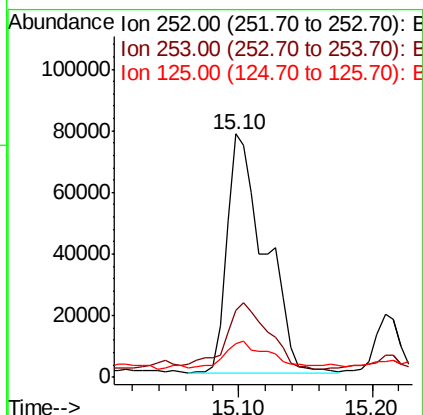
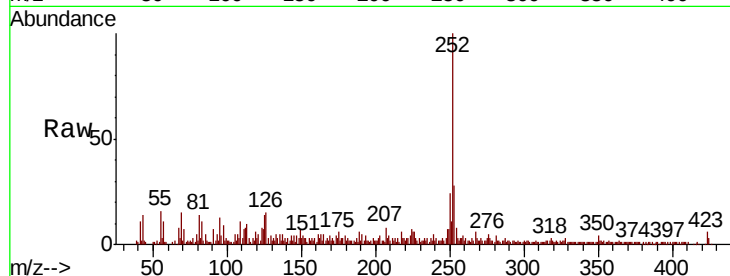




#89
Benzo(k)fluoranthene
Concen: 8.828 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

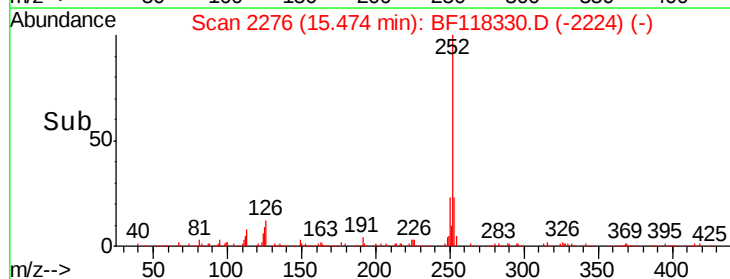
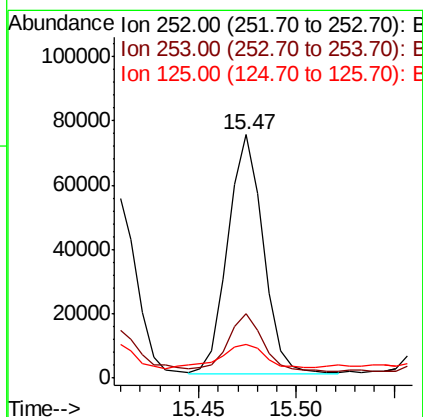
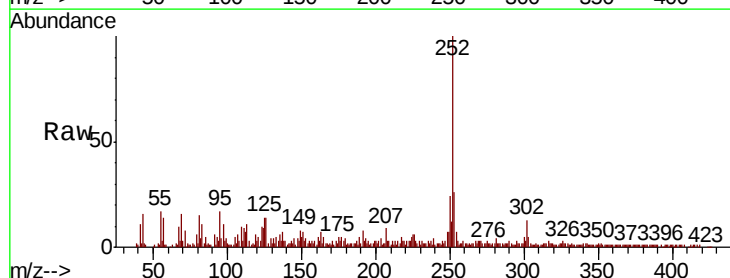
Instrument :
BNA_F
ClientSampleId :

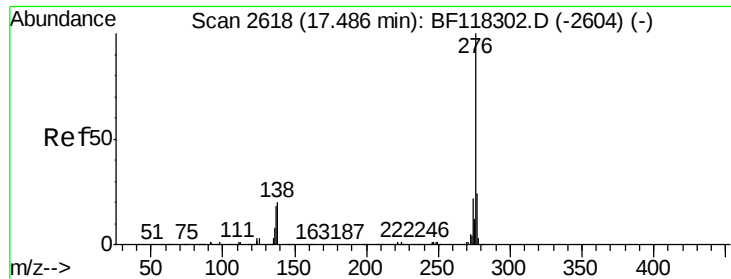
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.0	27.0#
125	14.0	8.0	12.0#



#90
Benzo(a)pyrene
Concen: 5.883 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.0	25.6#
125	14.0	9.0	13.4#

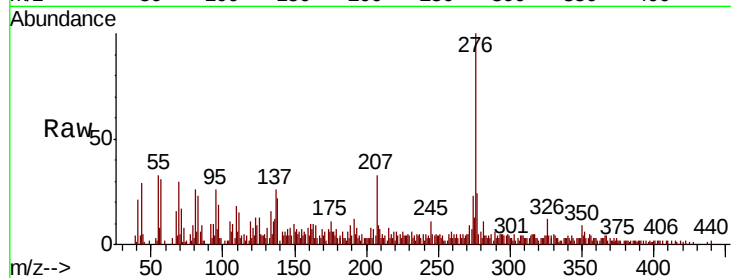




#92
 Benzo(a,h,i)perylene
 Concen: 3.436 ng
 RT: 17.50 min Scan# 2620
 Delta R.T. 0.01 min
 Lab File: BF118330.D
 Acq: 26 Dec 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	21.8	16.1	24.1



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

