

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118324.D
 Acq On : 26 Dec 2019 18:51
 Operator : JU
 Sample : K6437-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 03:25:33 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	97725	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	378668	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	200768	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	354038	20.00	ng	0.00
76) Chrysene-d12	14.04	240	267989	20.00	ng	0.00
87) Perylene-d12	15.54	264	282528	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	556029	97.12	ng	0.00
7) Phenol-d6	6.48	99	696913	98.13	ng	0.00
23) Nitrobenzene-d5	7.41	82	394229	59.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	215714	87.00	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	794599	60.41	ng	0.00
79) Terphenyl-d14	12.98	244	852768	52.79	ng	0.00

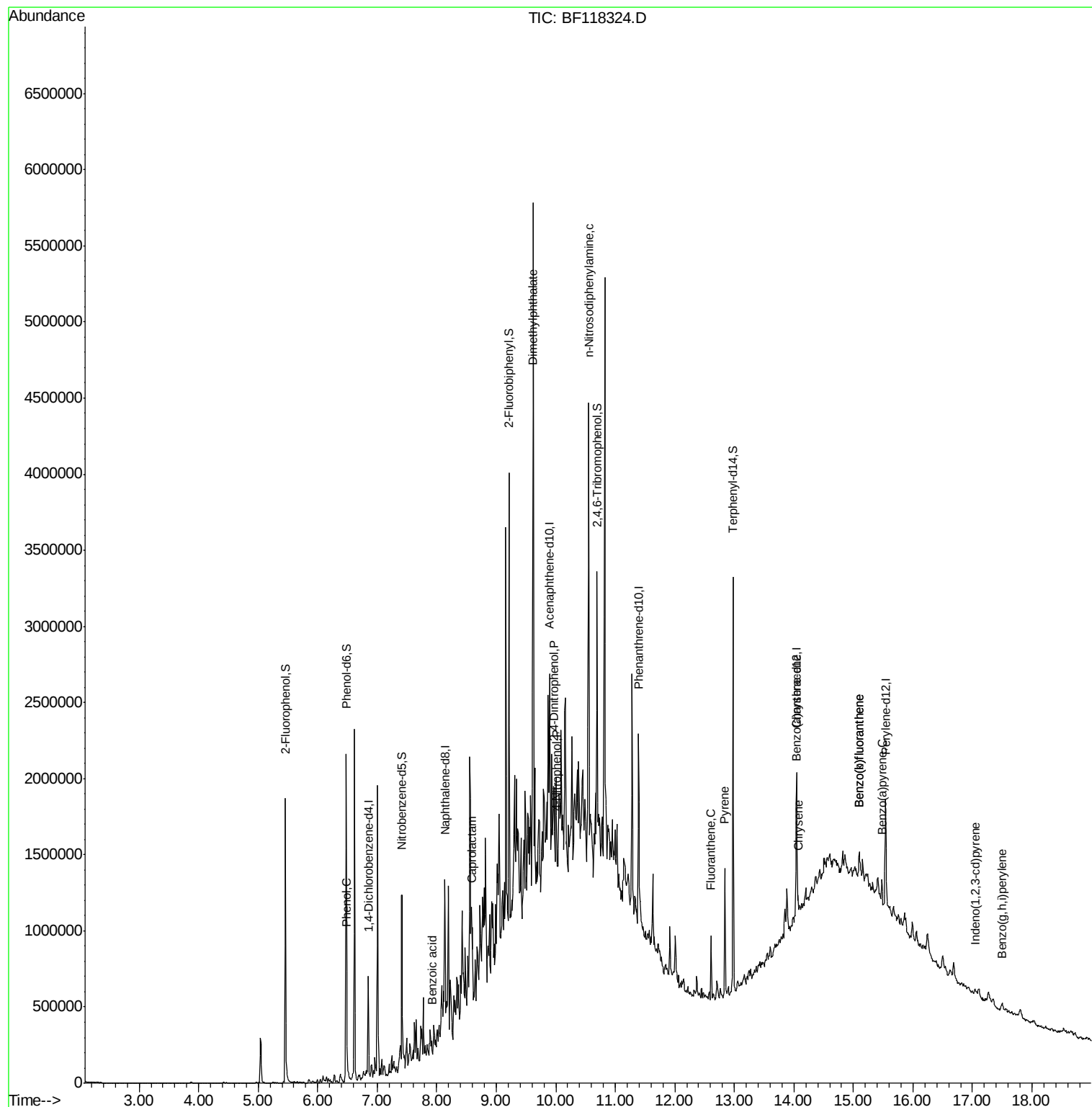
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	20937	2.623	ng	93
32) Benzoic acid	7.93	122	509	5.788	ng	# 3
35) Caprolactam	8.59	113	7635	4.433	ng	# 1
50) Dimethylphthalate	9.61	163	51267	3.402	ng	# 80
54) 2,4-Dinitrophenol	9.97	184	118	5.252	ng	# 1
56) 4-Nitrophenol	10.02	139	7594	3.226	ng	# 1
66) n-Nitrosodiphenylamine	10.56	169	45547	4.014	ng	# 54
75) Fluoranthene	12.61	202	151476	7.777	ng	98
78) Pyrene	12.84	202	339685	15.522	ng	99
81) Benzo(a)anthracene	14.03	228	42688	2.276	ng	# 79
83) Chrysene	14.07	228	45451	2.530	ng	# 83
86) Indeno(1,2,3-cd)pyrene	17.04	276	31253	2.042	ng	# 91
88) Benzo(b)fluoranthene	15.10	252	79583	4.243	ng	# 65
89) Benzo(k)fluoranthene	15.10	252	79583	4.419	ng	# 66
90) Benzo(a)pyrene	15.47	252	39083	2.366	ng	# 57
92) Benzo(g,h,i)perylene	17.50	276	41551	3.000	ng	# 92

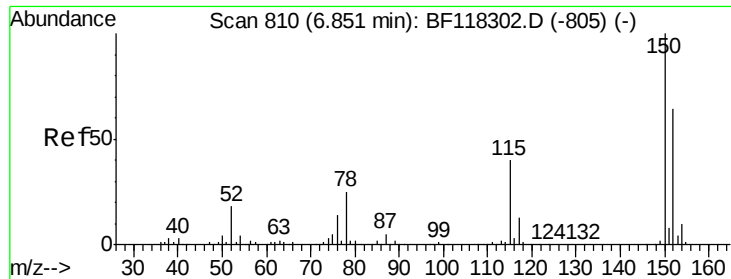
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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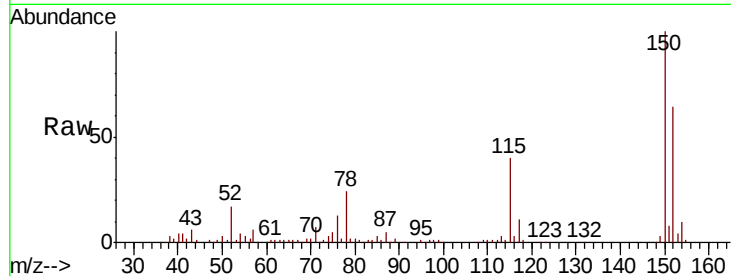


#1

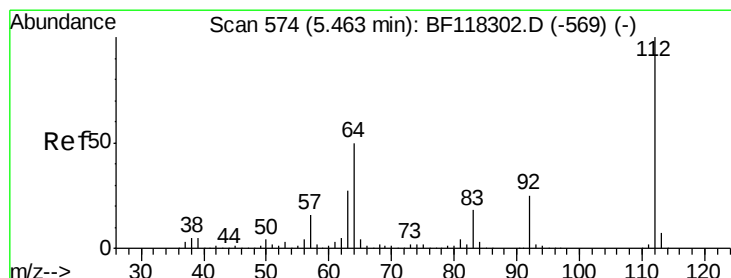
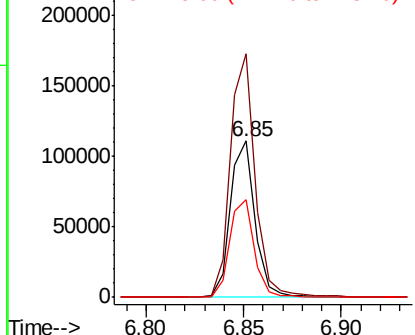
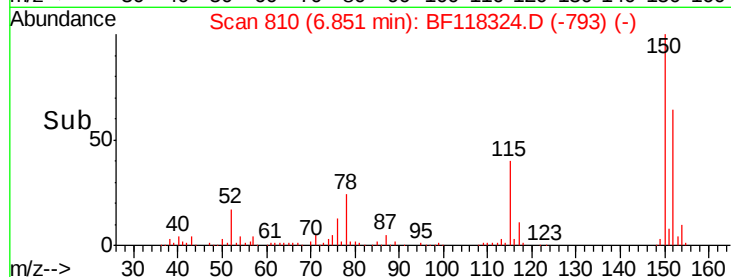
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 97725
Ion Ratio Lower Upper
152 100
150 155.7 125.4 188.2
115 62.4 50.2 75.4



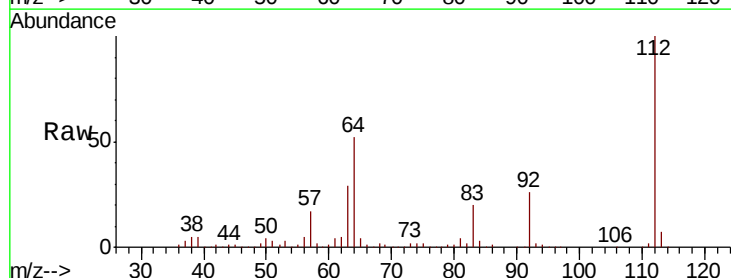
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



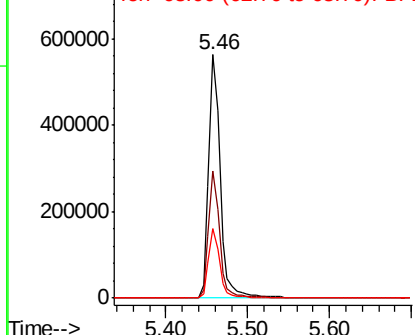
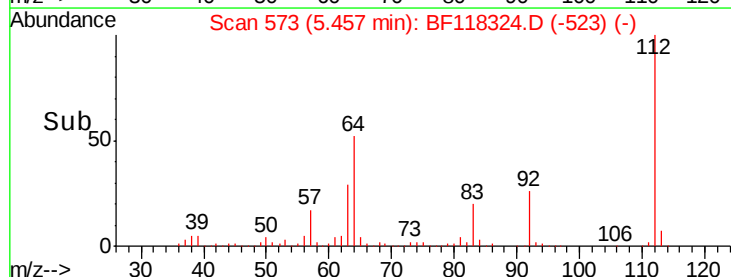
#5

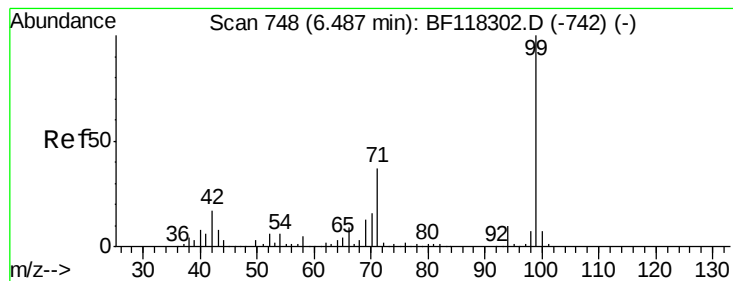
2-Fluorophenol
Concen: 97.123 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

Tgt Ion:112 Resp: 556029
Ion Ratio Lower Upper
112 100
64 52.3 39.7 59.5
63 28.7 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: 98.129 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118324.D

Acq: 26 Dec 2019 18:51

Instrument :

BNA_F

ClientSampled :

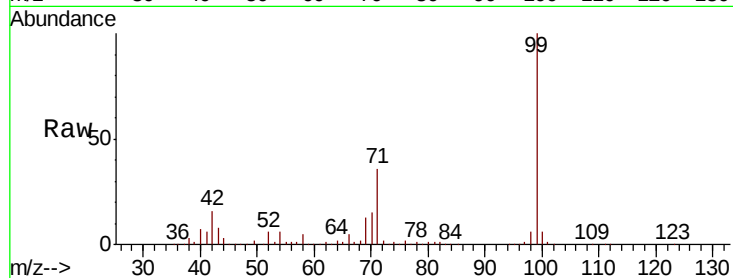
Tot Ion: 99 Resp: 696913

Ion Ratio Lower Upper

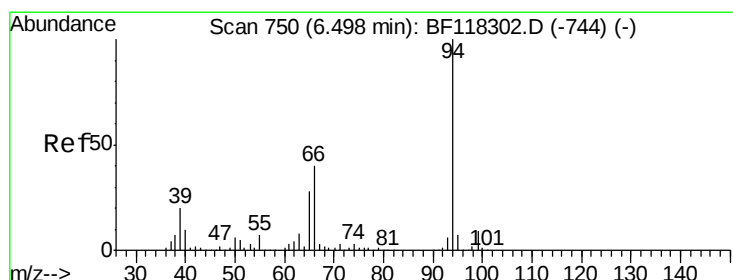
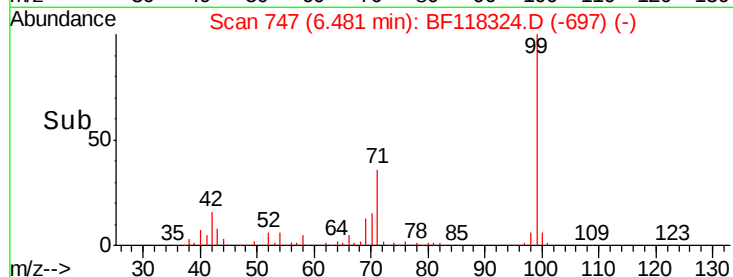
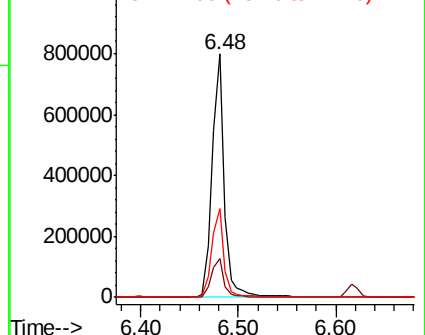
99 100

42 16.2 13.5 20.3

71 36.4 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



#10

Phenol

Concen: 2.623 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118324.D

Acq: 26 Dec 2019 18:51

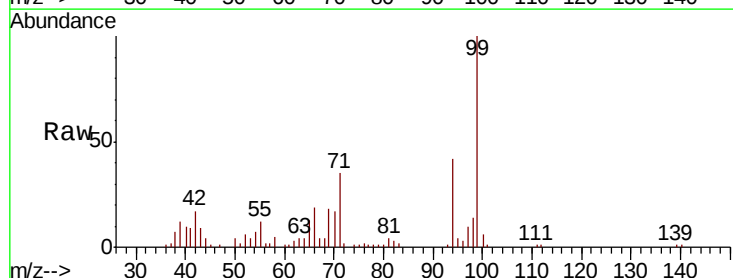
Tgt Ion: 94 Resp: 20937

Ion Ratio Lower Upper

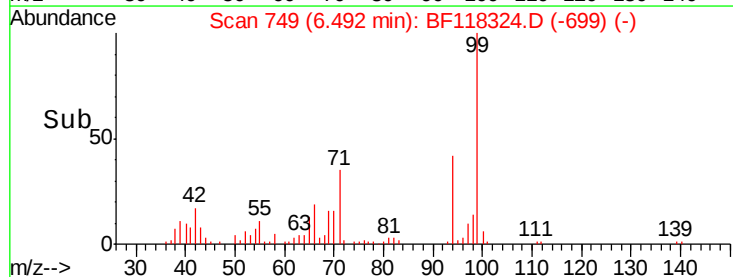
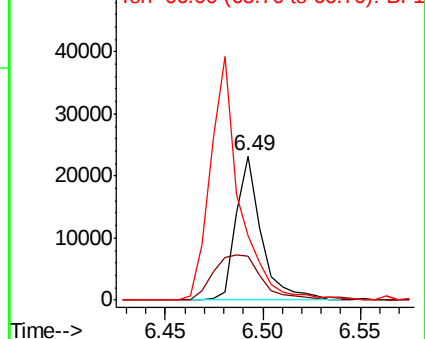
94 100

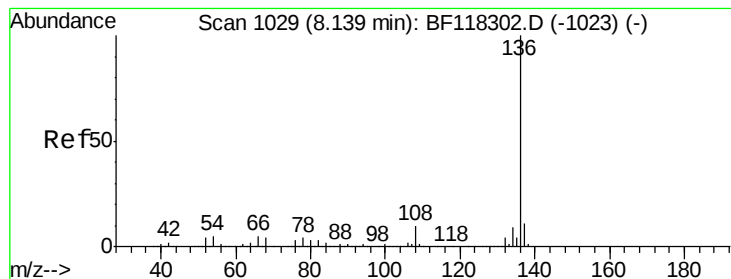
65 30.5 7.8 47.8

66 45.1 20.4 60.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF118324.D

Acq: 26 Dec 2019 18:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 378668

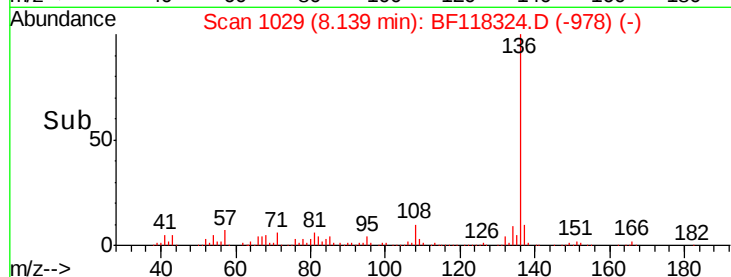
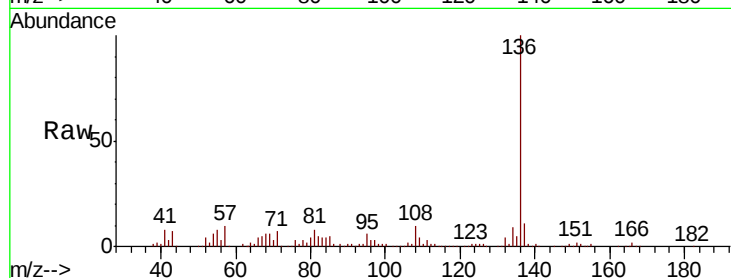
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 5.5 4.2 6.4

68 5.8 3.5 5.3#

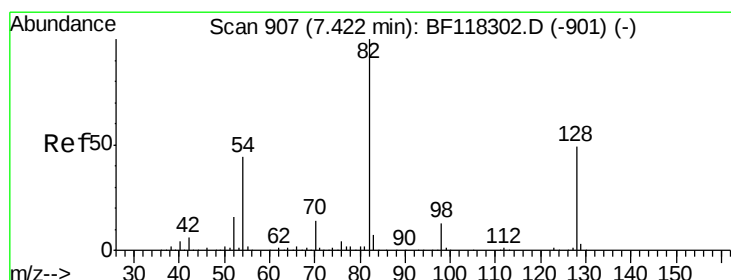
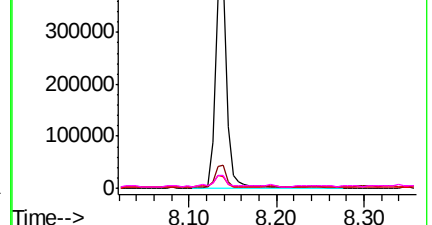


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.545 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF118324.D

Acq: 26 Dec 2019 18:51

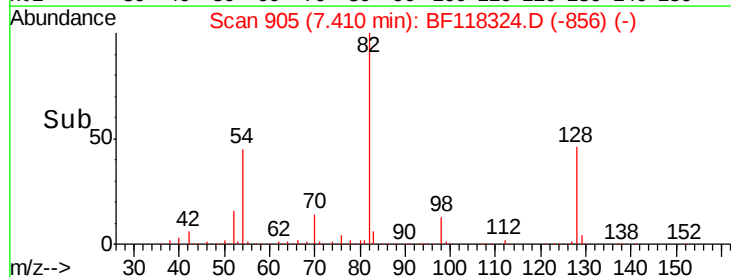
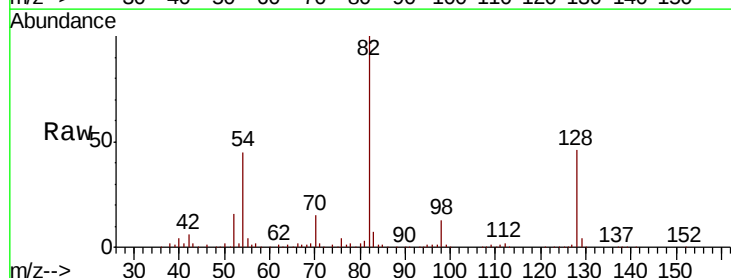
Tgt Ion: 82 Resp: 394229

Ion Ratio Lower Upper

82 100

128 46.1 39.6 59.4

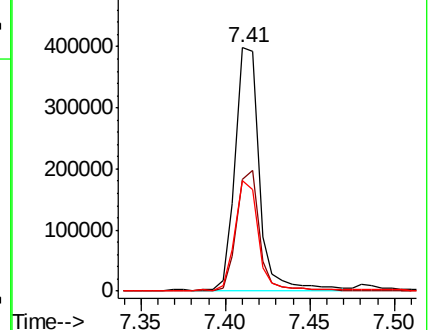
54 45.3 34.9 52.3

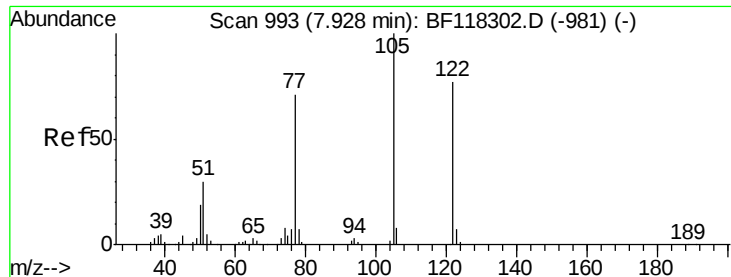


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 5.788 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: BF118324.D

Acq: 26 Dec 2019 18:51

Instrument :

BNA_F

ClientSampled :

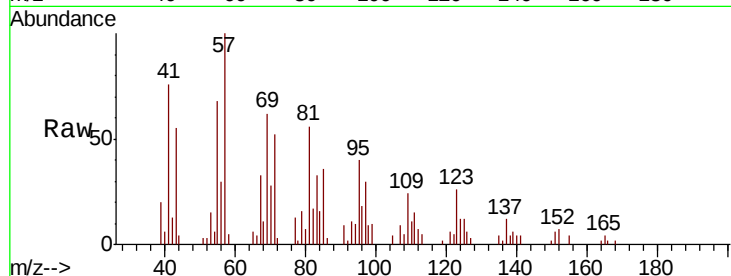
Tot Ion:122 Resp: 509

Ion Ratio Lower Upper

122 100

105 75.8 106.8 146.8#

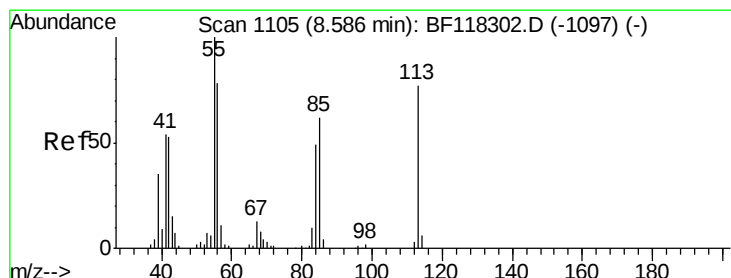
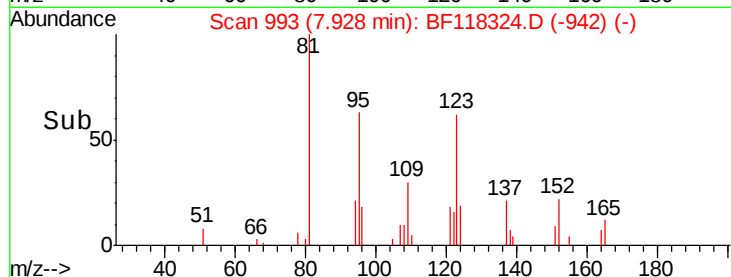
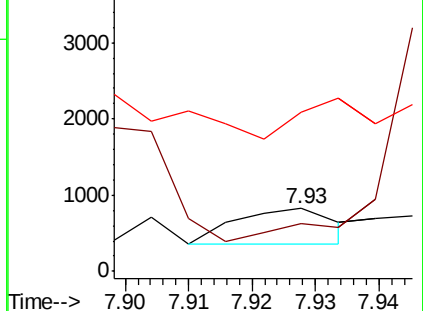
77 252.8 70.4 110.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#35

Caprolactam

Concen: 4.433 ng

RT: 8.59 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF118324.D

Acq: 26 Dec 2019 18:51

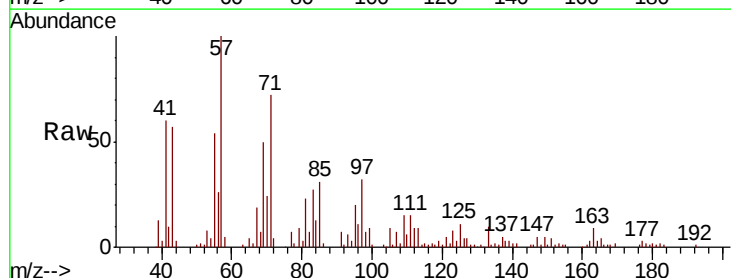
Tgt Ion:113 Resp: 7635

Ion Ratio Lower Upper

113 100

55 598.3 109.8 149.8#

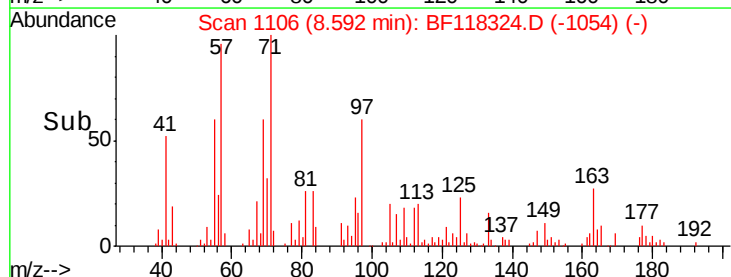
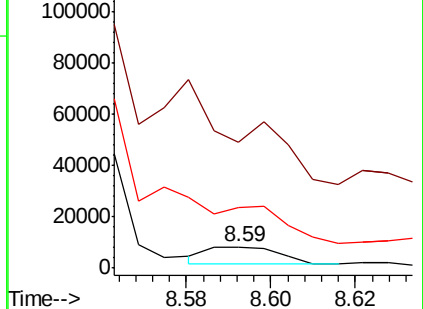
56 287.9 81.7 121.7#

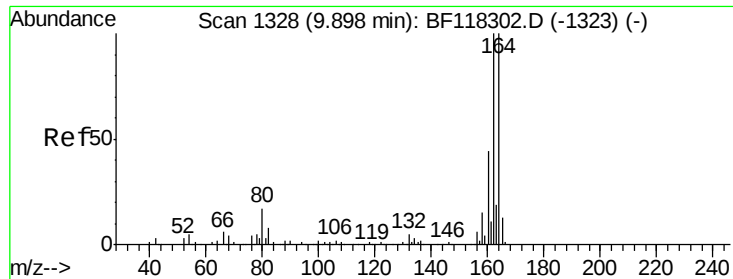


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

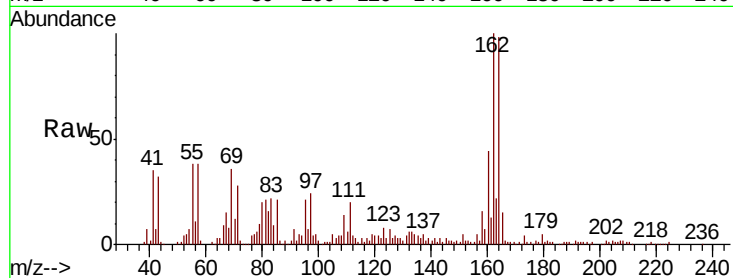




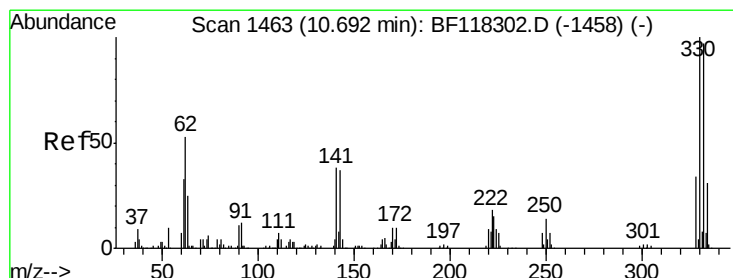
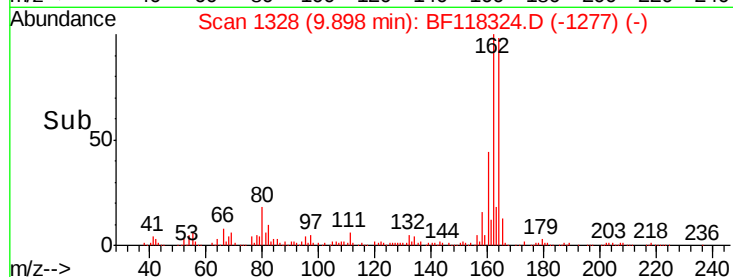
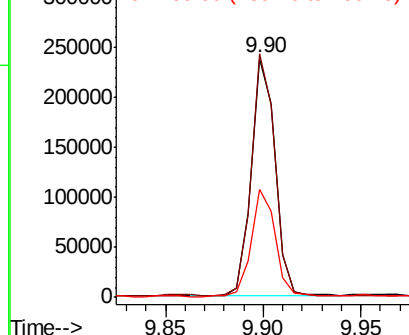
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 200768
Ion Ratio Lower Upper
164 100
162 101.8 80.0 120.0
160 45.0 34.8 52.2

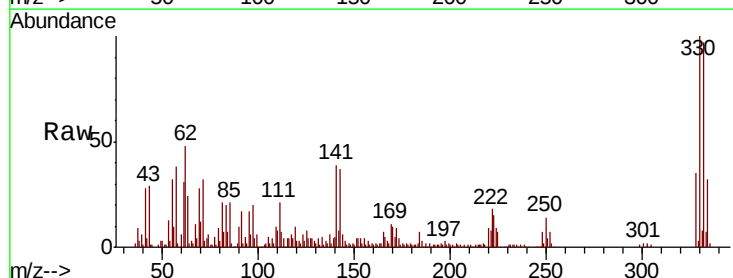


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

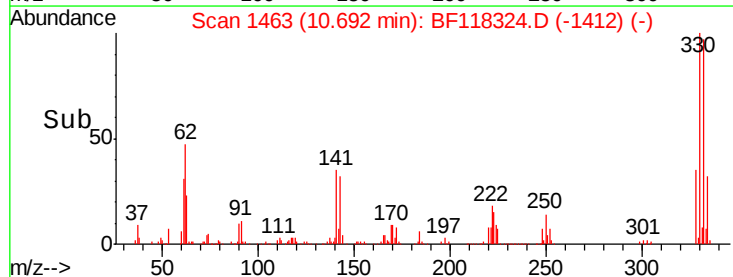
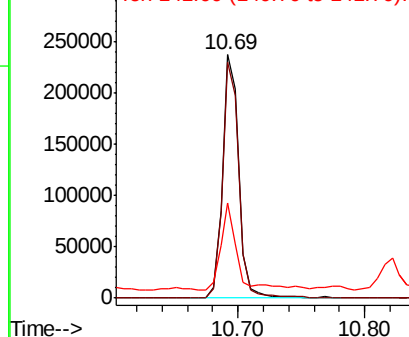


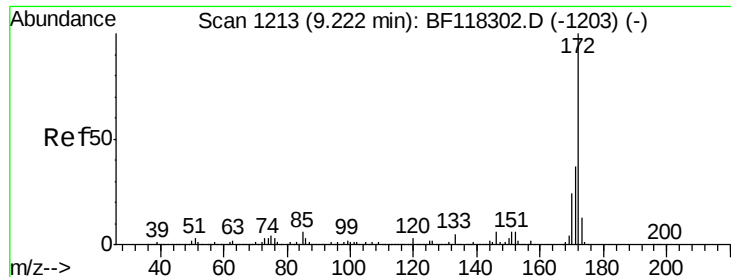
#42
2,4,6-Tribromophenol
Concen: 87.005 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

Tgt Ion:330 Resp: 215714
Ion Ratio Lower Upper
330 100
332 96.6 76.6 114.8
141 31.8 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

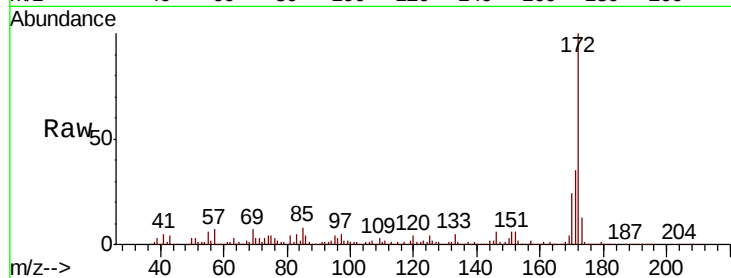




#45
2-Fluorobiphenyl
Concen: 60.415 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.3	43.9
170	23.6	19.2	28.8

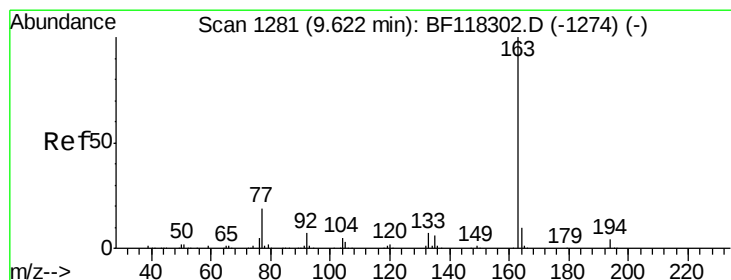
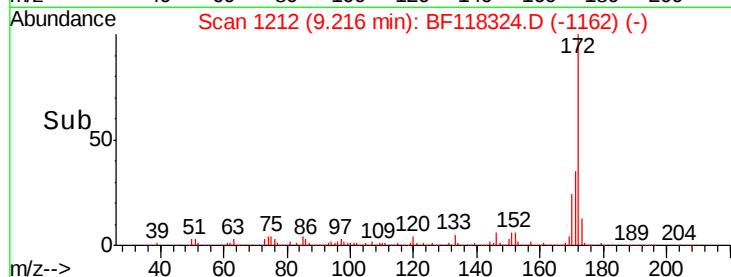
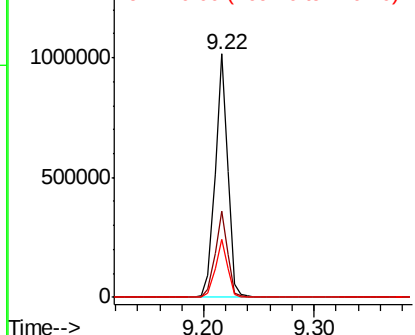


Abundance

Ion 172.00 (171.70 to 172.70): E

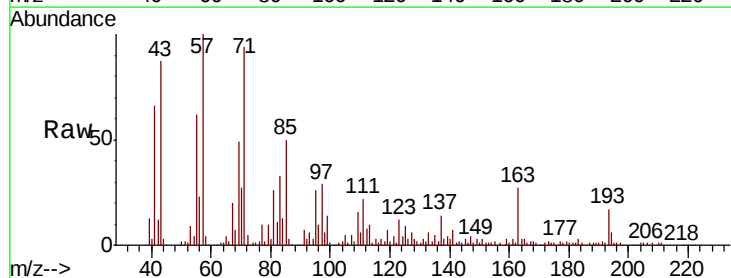
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.402 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	21.4	3.2	4.8#
164	12.4	7.9	11.9#

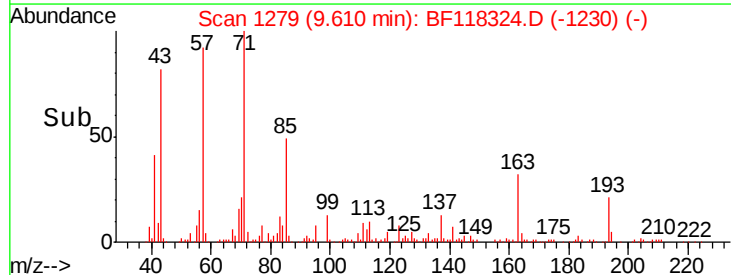
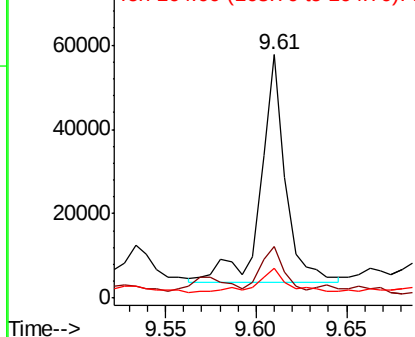


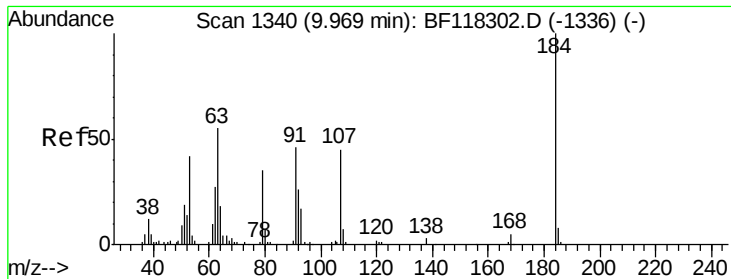
Abundance

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

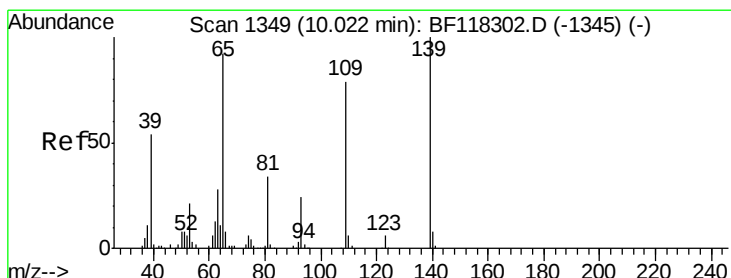
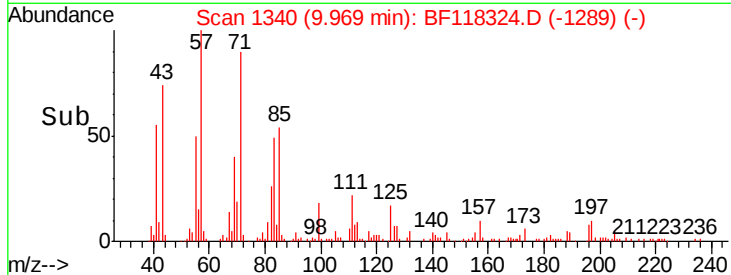
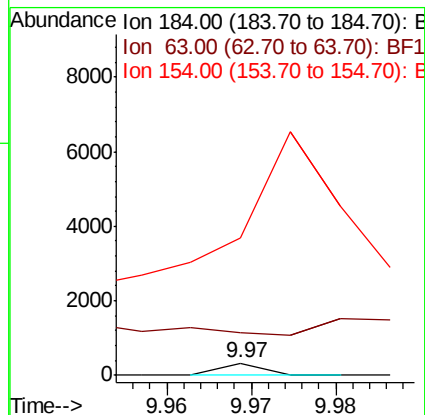
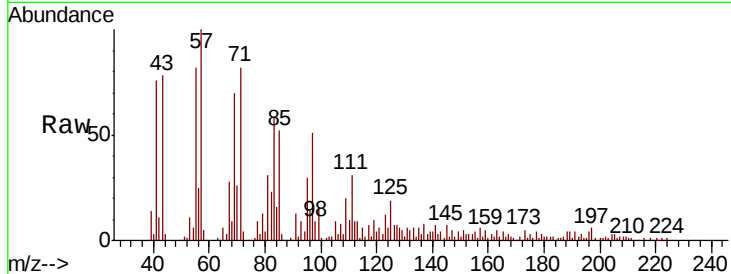




#54
 2,4-Dinitrophenol
 Concen: 5.252 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: BF118324.D
 Acq: 26 Dec 2019 18:51

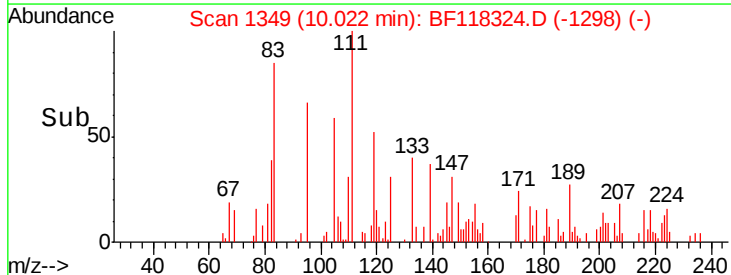
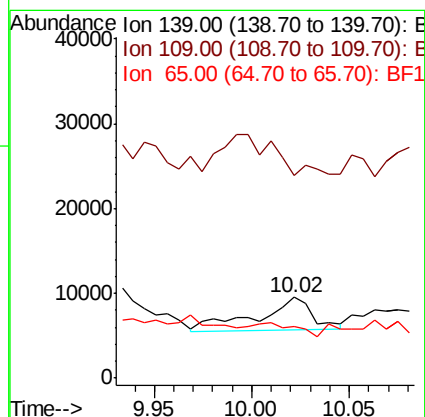
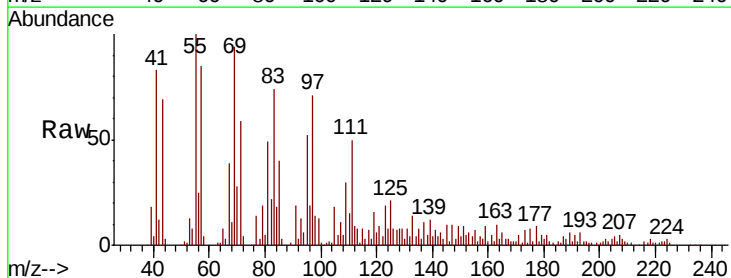
Instrument :
 BNA_F
 ClientSampled :

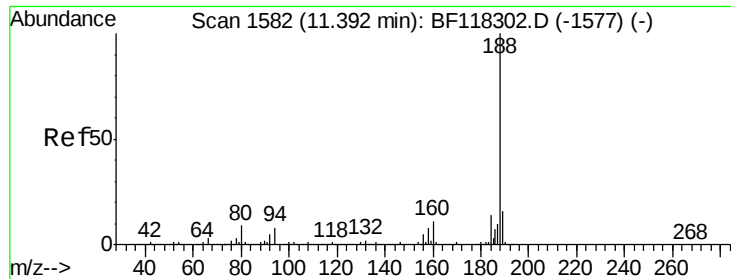
Tot Ion:184 Resp: 118
 Ion Ratio Lower Upper
 184 100
 63 342.5 48.8 73.2#
 154 1099.7 55.0 82.4#



#56
 4-Nitrophenol
 Concen: 3.226 ng
 RT: 10.02 min Scan# 1349
 Delta R.T. 0.00 min
 Lab File: BF118324.D
 Acq: 26 Dec 2019 18:51

Tgt Ion:139 Resp: 7594
 Ion Ratio Lower Upper
 139 100
 109 252.0 59.3 99.3#
 65 64.4 72.4 112.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF118324.D

Acq: 26 Dec 2019 18:51

Instrument :

BNA_F

ClientSampleId :

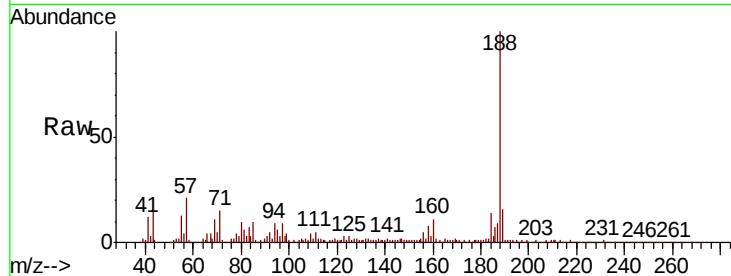
Tot Ion:188 Resp: 354038

Ion Ratio Lower Upper

188 100

94 9.2 6.7 10.1

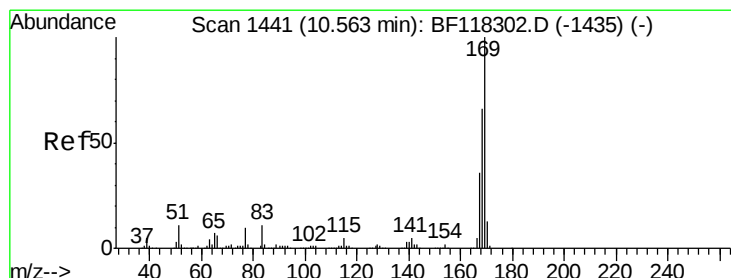
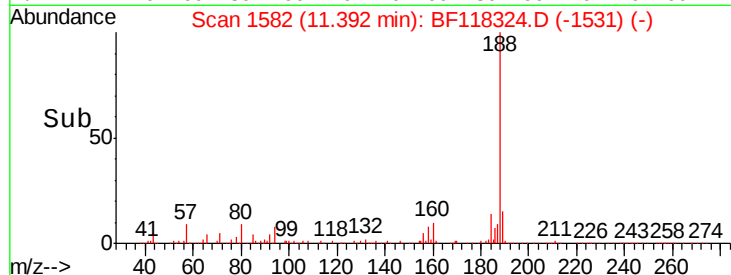
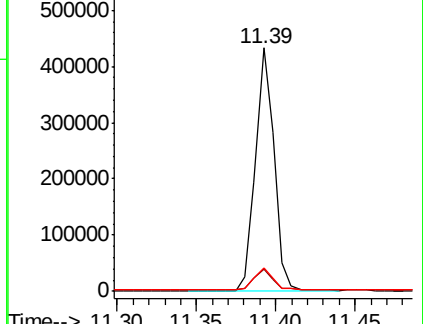
80 9.8 7.2 10.8



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



#66

n-Nitrosodiphenylamine

Concen: 4.014 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF118324.D

Acq: 26 Dec 2019 18:51

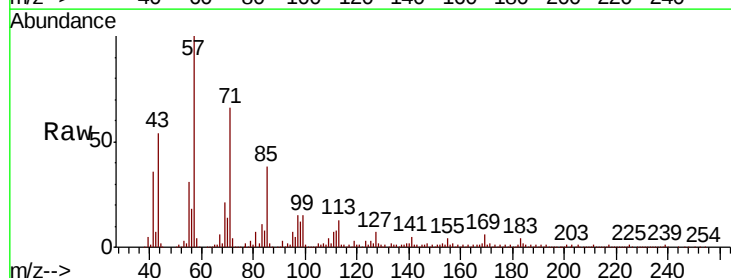
Tgt Ion:169 Resp: 45547

Ion Ratio Lower Upper

169 100

168 27.5 52.6 79.0#

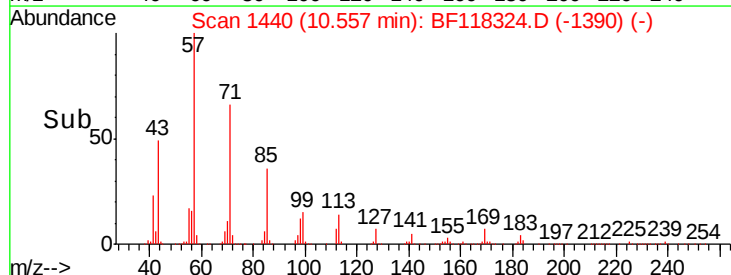
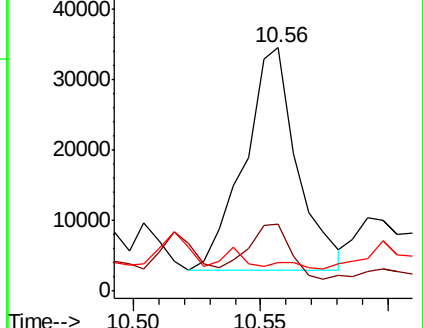
167 11.5 28.4 42.6#

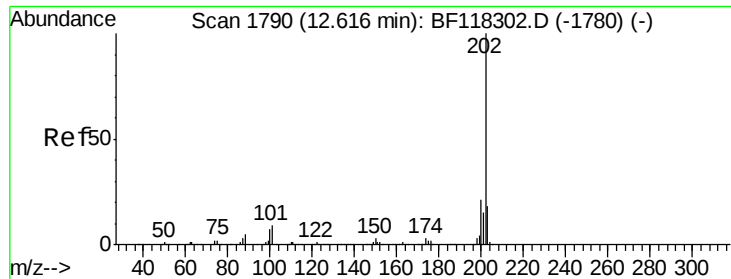


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#75

Fluoranthene

Concen: 7.777 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118324.D

Acq: 26 Dec 2019 18:51

Instrument :

BNA_F

ClientSampleId :

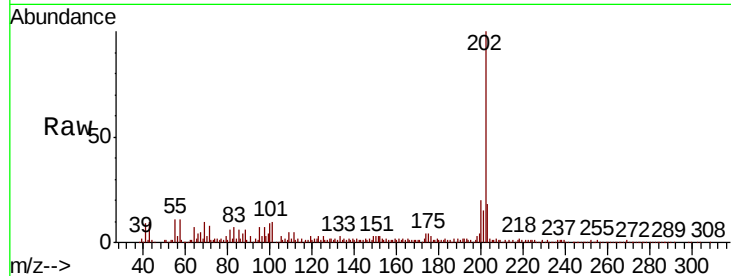
Tot Ion:202 Resp: 151476

Ion Ratio Lower Upper

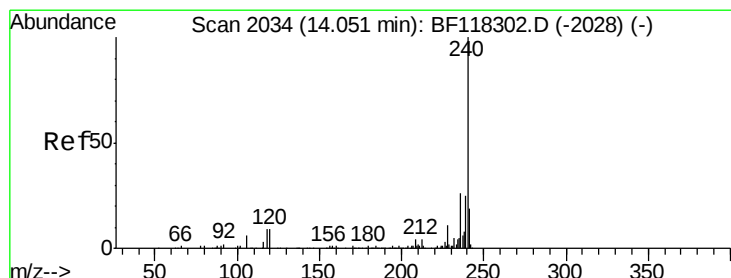
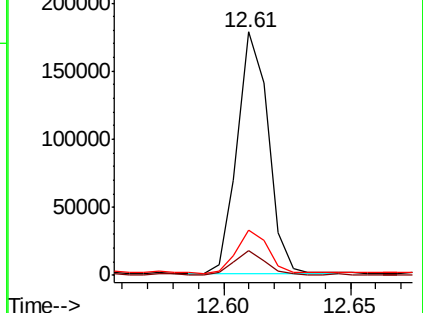
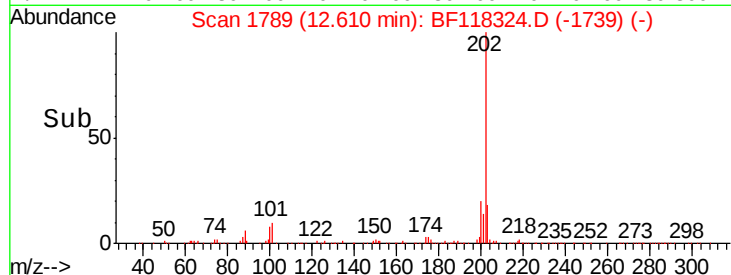
202 100

101 10.3 0.0 29.5

203 18.5 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: BF118324.D

Acq: 26 Dec 2019 18:51

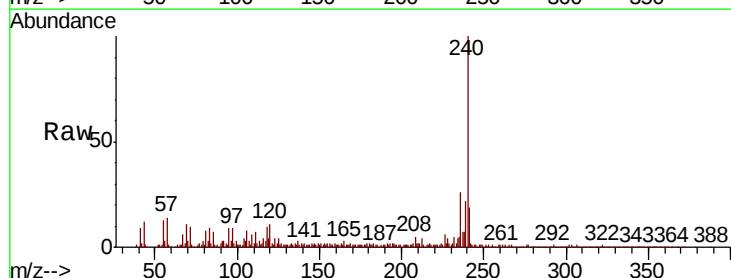
Tgt Ion:240 Resp: 267989

Ion Ratio Lower Upper

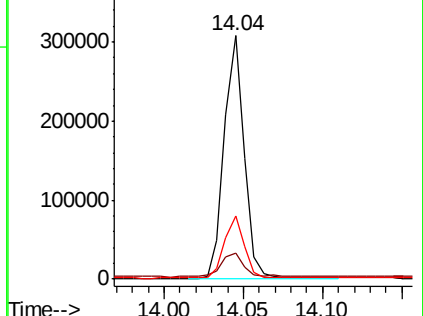
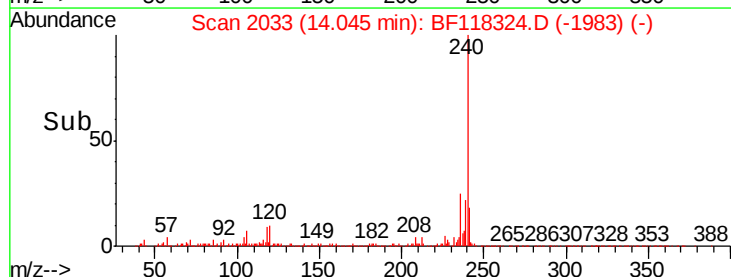
240 100

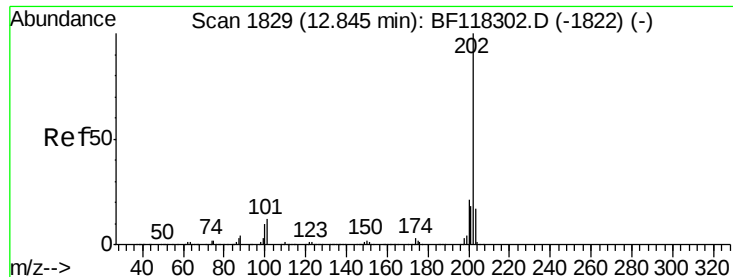
120 10.9 7.1 10.7#

236 25.8 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

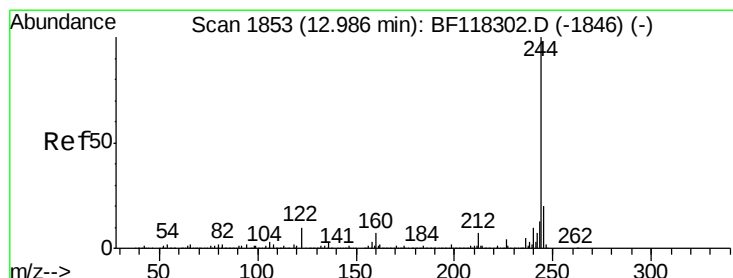
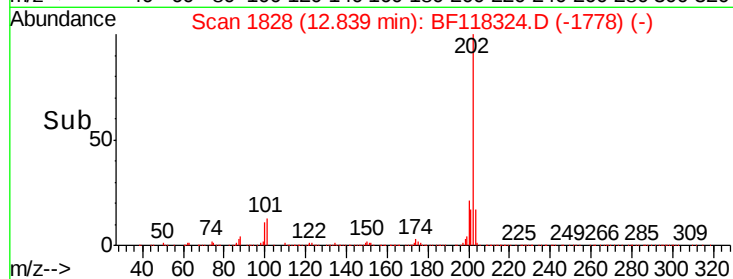
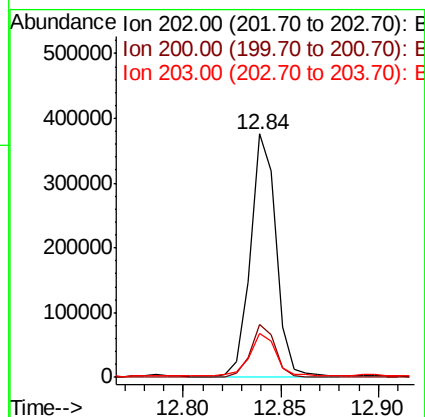
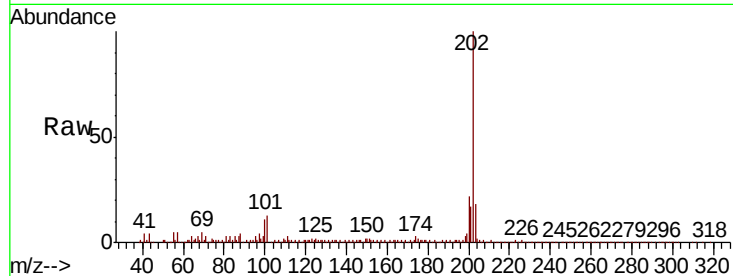




#78
Pvrene
Concen: 15.522 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

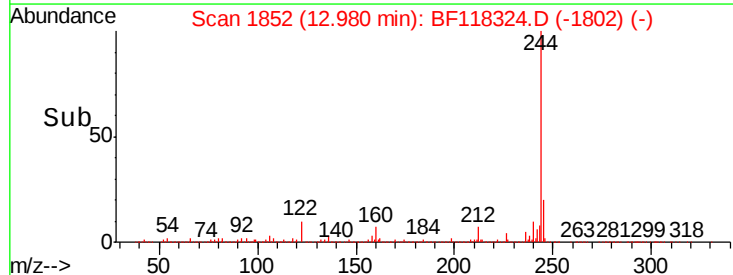
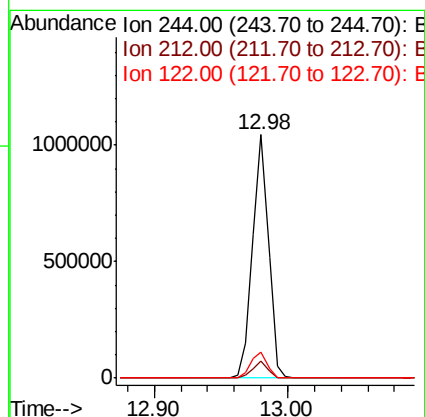
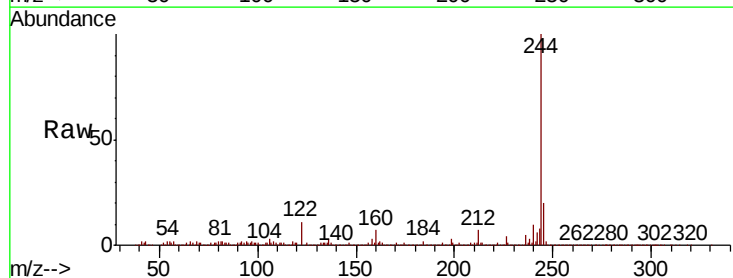
Instrument :
BNA_F
ClientSampled :

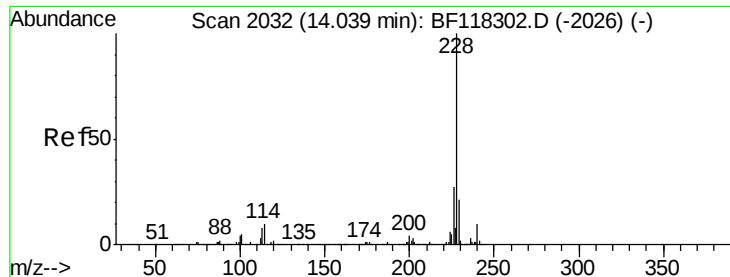
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.8	25.2
203	18.2	13.9	20.9



#79
Terphenyl-d14
Concen: 52.792 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	10.6	7.8	11.8





#81

Benzo(a)anthracene

Concen: 2.276 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118324.D

Acq: 26 Dec 2019 18:51

Instrument :

BNA_F

ClientSampled :

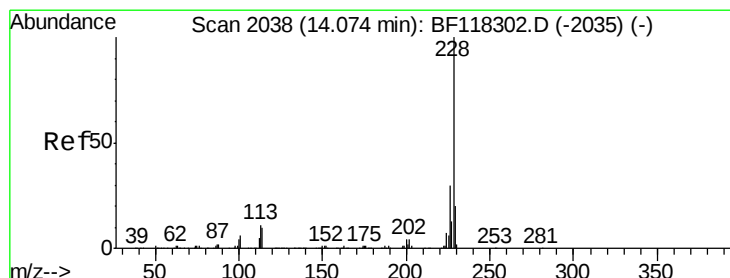
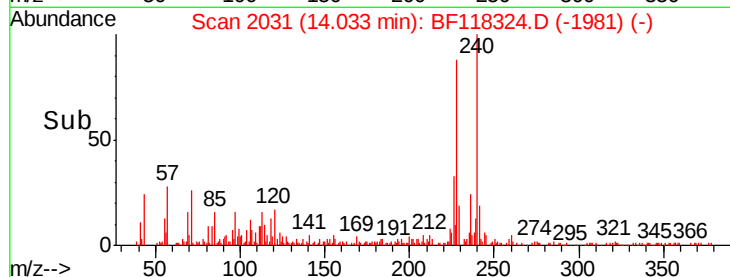
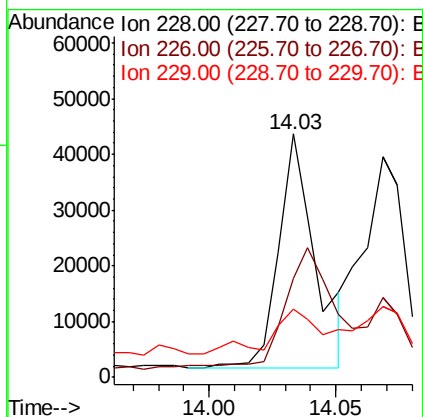
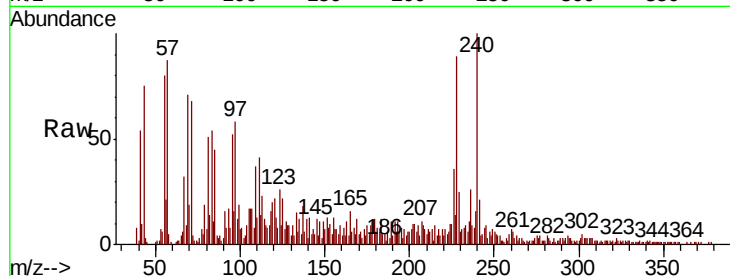
Tot Ion:228 Resp: 42688

Ion Ratio Lower Upper

228 100

226 40.9 22.0 33.0#

229 28.0 16.6 24.8#



#83

Chrysene

Concen: 2.530 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118324.D

Acq: 26 Dec 2019 18:51

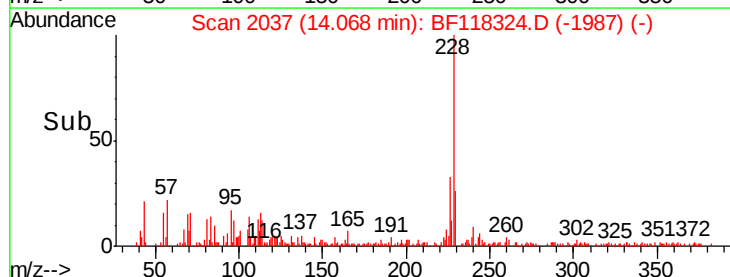
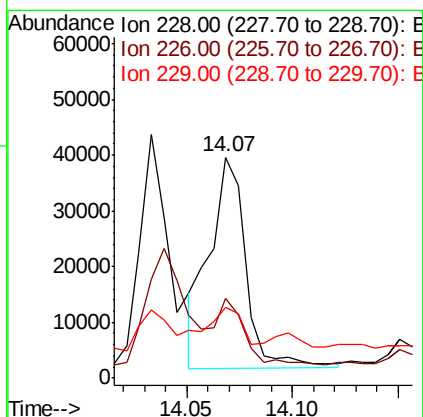
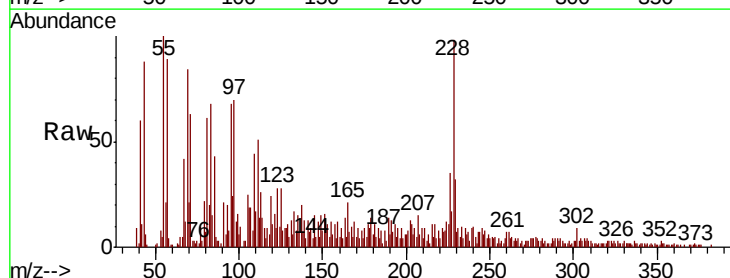
Tgt Ion:228 Resp: 45451

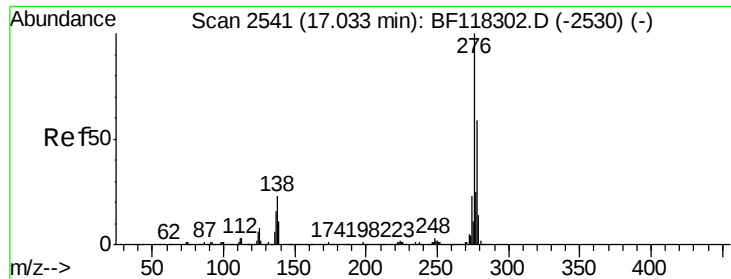
Ion Ratio Lower Upper

228 100

226 36.0 23.9 35.9#

229 32.2 16.1 24.1#

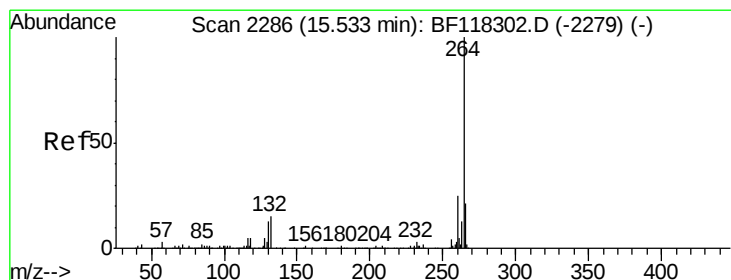
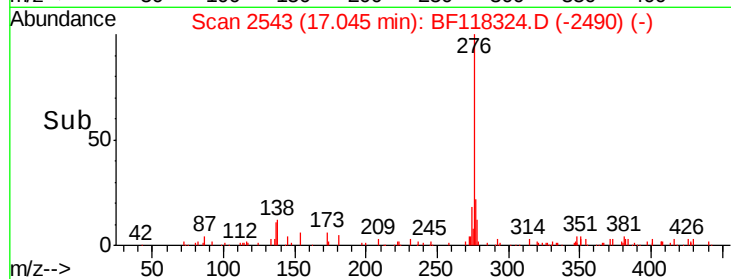
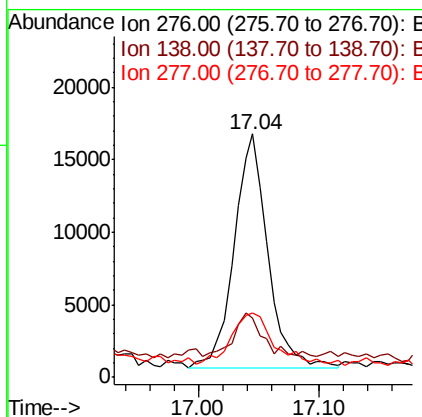
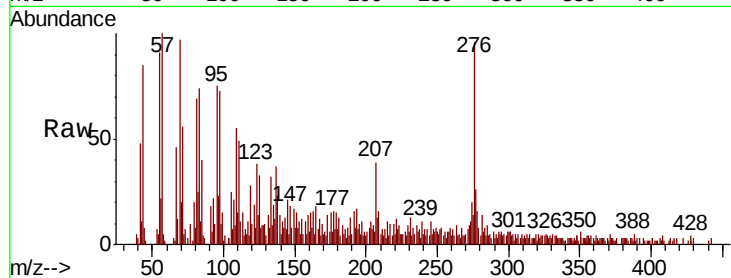




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.042 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. 0.01 min
 Lab File: BF118324.D
 Acq: 26 Dec 2019 18:51

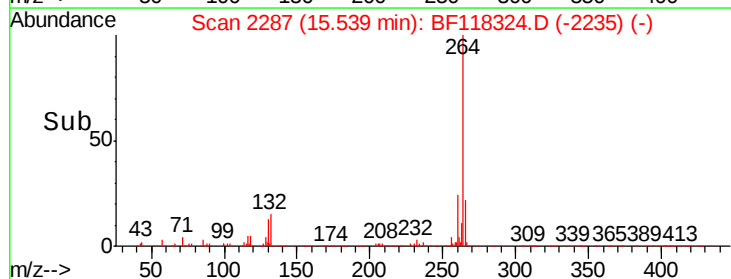
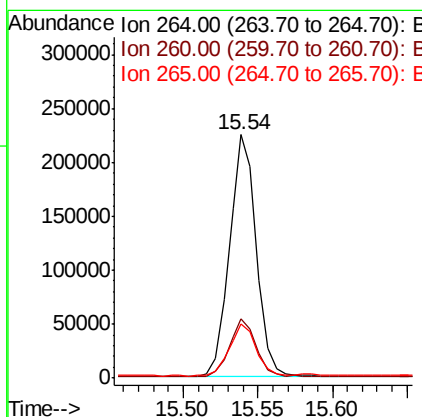
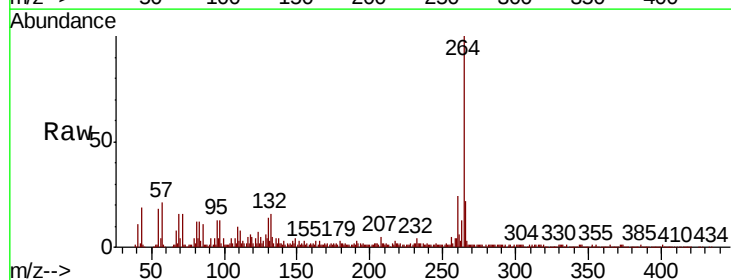
Instrument :
 BNA_F
 ClientSampleId :

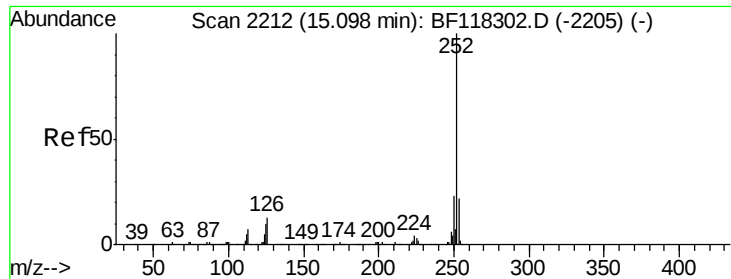
Tot Ion:276 Resp: 31253
 Ion Ratio Lower Upper
 276 100
 138 16.3 19.5 29.3#
 277 26.6 20.6 30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF118324.D
 Acq: 26 Dec 2019 18:51

Tgt Ion:264 Resp: 282528
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.8 29.6
 265 22.3 17.0 25.4

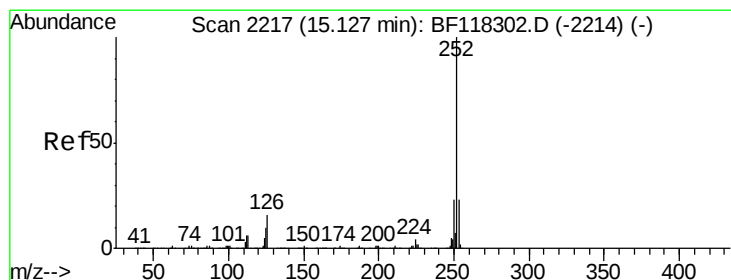
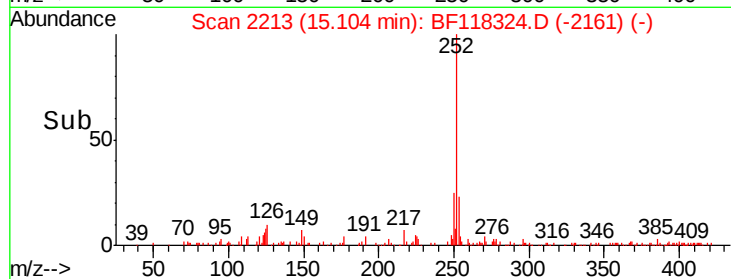
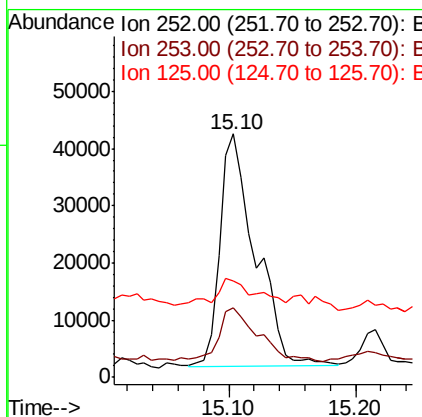
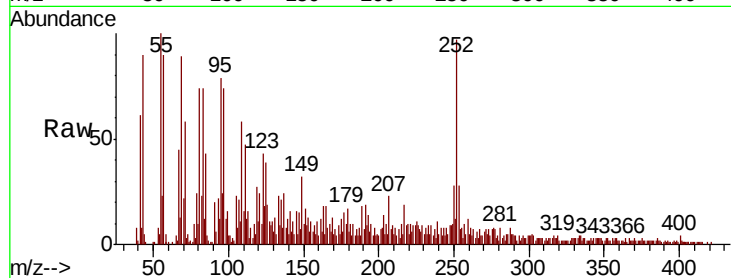




#88
Benzo(b)fluoranthene
Concen: 4.243 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

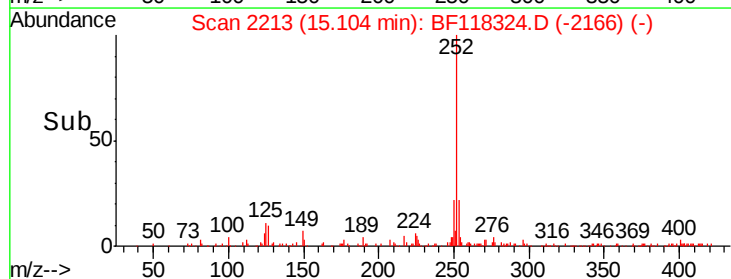
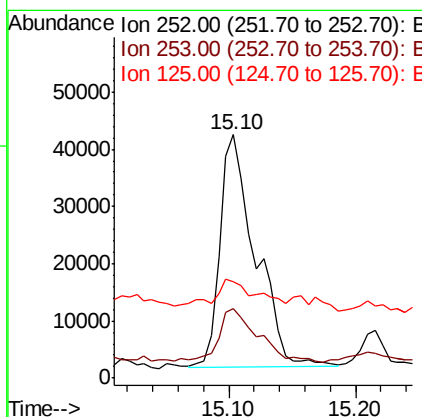
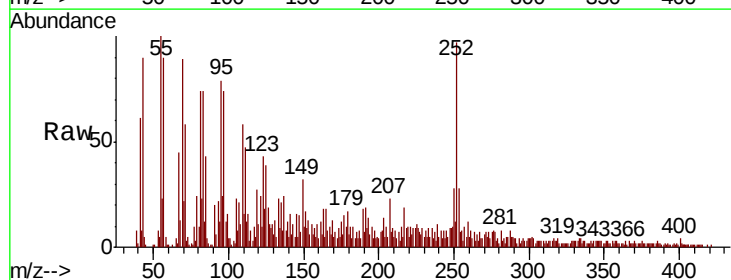
Instrument :
BNA_F
ClientSampleId :

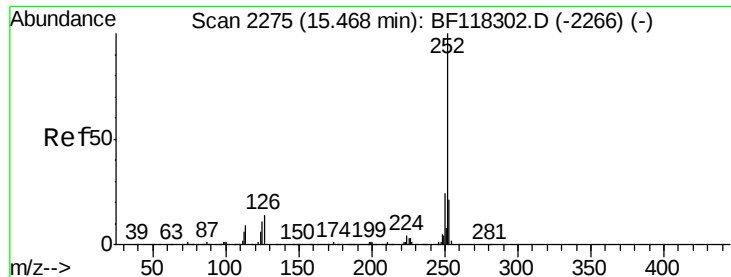
Tot Ion:252 Resp: 79583
Ion Ratio Lower Upper
252 100
253 28.8 17.5 26.3#
125 39.9 7.7 11.5#



#89
Benzo(k)fluoranthene
Concen: 4.419 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

Tgt Ion:252 Resp: 79583
Ion Ratio Lower Upper
252 100
253 28.8 18.0 27.0#
125 39.9 8.0 12.0#

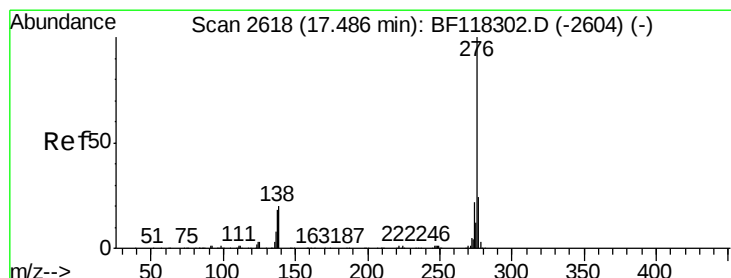
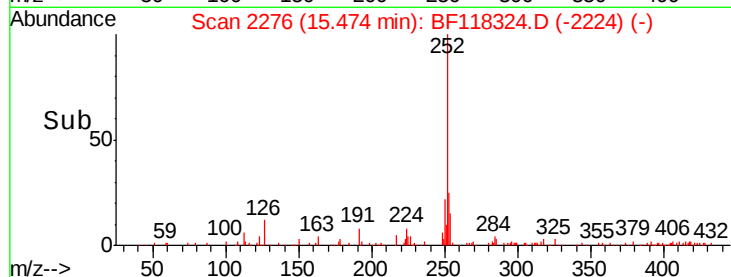
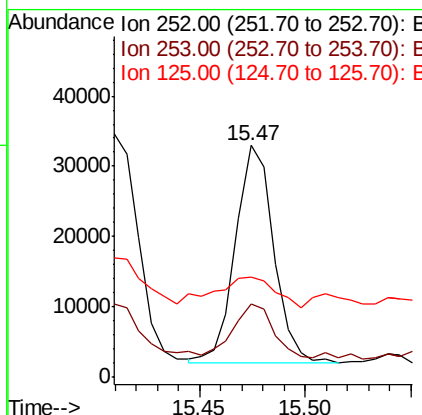
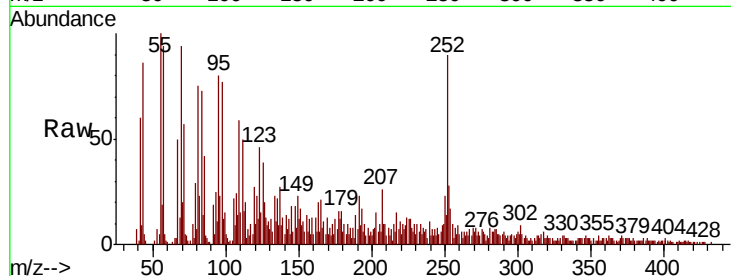




#90
Benzo(a)pyrene
Concen: 2.366 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 39083
Ion Ratio Lower Upper
252 100
253 31.7 17.0 25.6#
125 43.0 9.0 13.4#



#92
Benzo(g,h,i)perylene
Concen: 3.000 ng
RT: 17.50 min Scan# 2620
Delta R.T. 0.01 min
Lab File: BF118324.D
Acq: 26 Dec 2019 18:51

Tgt Ion:276 Resp: 41551
Ion Ratio Lower Upper
276 100
277 27.0 19.1 28.7
138 24.3 16.1 24.1#

