

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118417.D
 Acq On : 31 Dec 2019 20:48
 Operator : JU
 Sample : K6463-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 01 00:37:11 2020
 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	72614	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	273400	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	140538	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	224511	20.00	ng	0.00
76) Chrysene-d12	14.05	240	164908	20.00	ng	0.00
87) Perylene-d12	15.55	264	172810	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	199920	47.00	ng	0.00
7) Phenol-d6	6.49	99	265677	50.35	ng	0.00
23) Nitrobenzene-d5	7.42	82	164334	34.38	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	85050	49.00	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	303271	32.94	ng	0.00
79) Terphenyl-d14	12.99	244	279838	28.15	ng	0.00

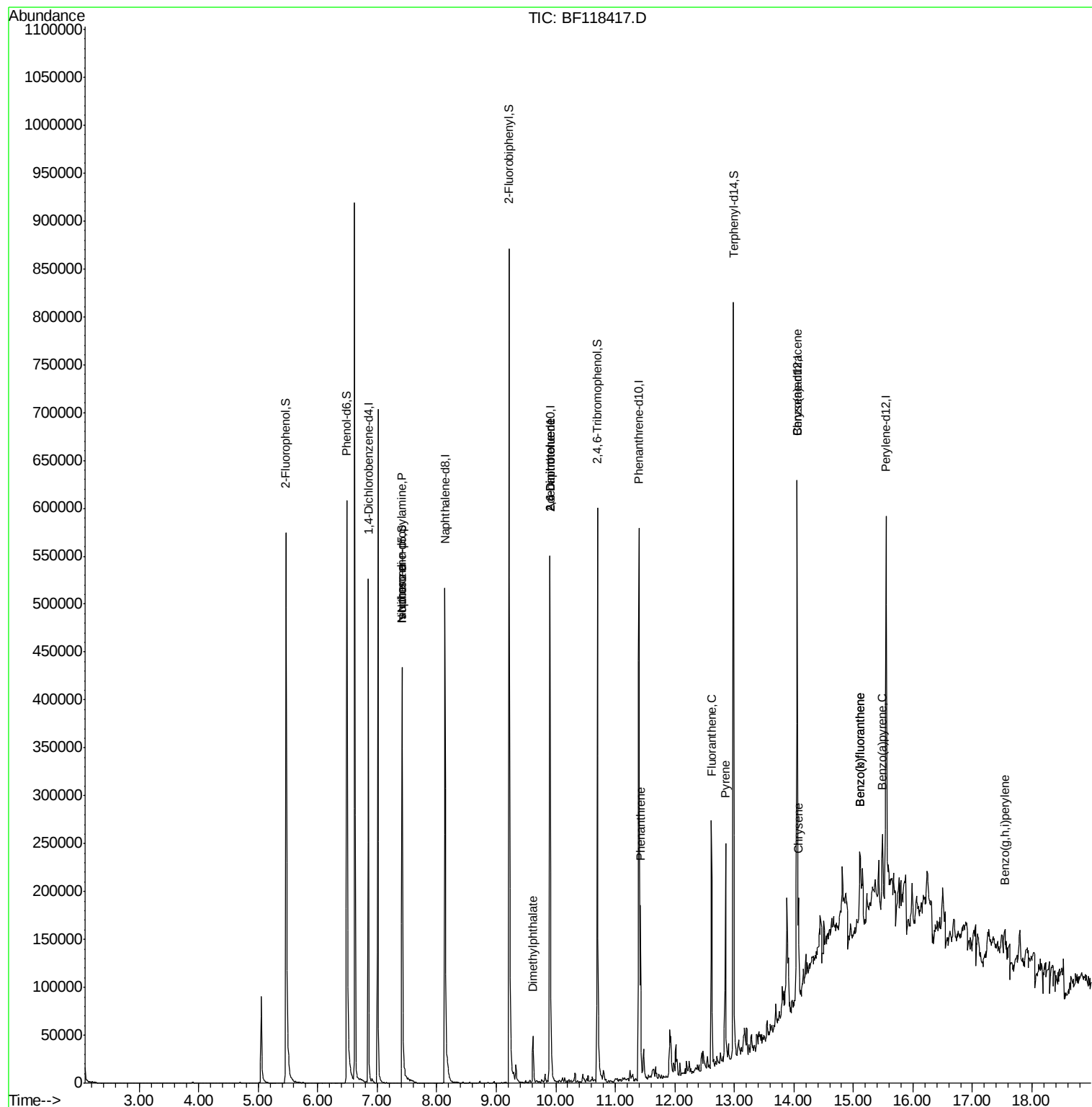
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.42	70	22414	6.895	ng	# 79
25) Isophorone	7.42	82	164333	19.726	ng	# 62
50) Dimethylphthalate	9.62	163	28399	2.692	ng	# 95
51) 2,6-Dinitrotoluene	9.90	165	17992	7.911	ng	# 28
57) 2,4-Dinitrotoluene	9.90	165	17989	5.919	ng	# 31
71) Phenanthrene	11.42	178	66162	5.406	ng	98
75) Fluoranthene	12.62	202	101624	8.227	ng	99
78) Pyrene	12.85	202	92057	6.836	ng	99
81) Benzo(a)anthracene	14.04	228	44001	3.812	ng	95
83) Chrysene	14.08	228	35513	3.213	ng	96
88) Benzo(b)fluoranthene	15.11	252	59309	5.170	ng	# 88
89) Benzo(k)fluoranthene	15.11	252	59309	5.385	ng	# 89
90) Benzo(a)pyrene	15.49	252	33685	3.333	ng	96
92) Benzo(a,h,i)perylene	17.54	276	18011	2.126	ng	# 92

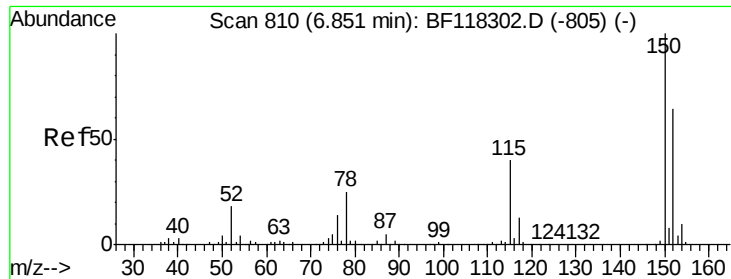
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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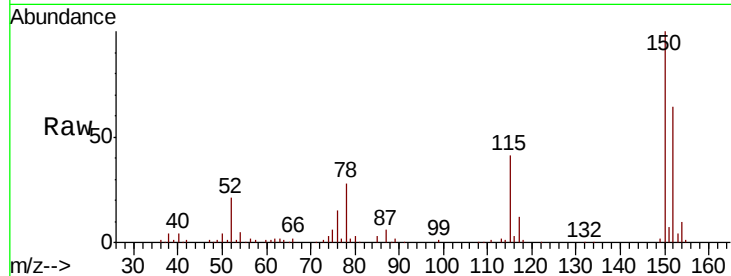


#1

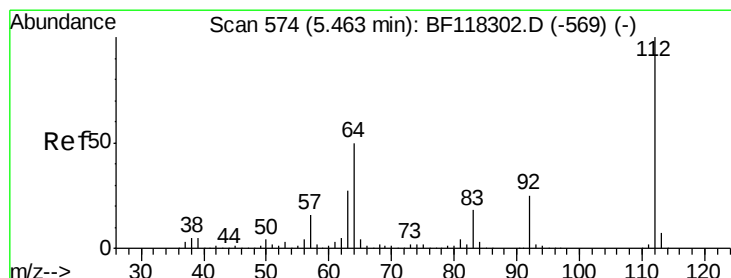
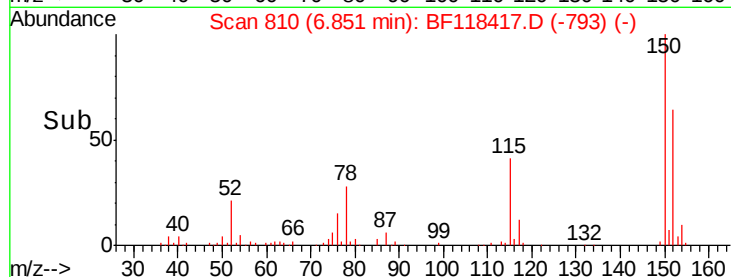
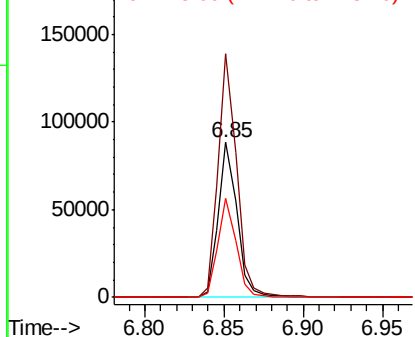
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 72614
Ion Ratio Lower Upper
152 100
150 157.3 125.4 188.2
115 63.7 50.2 75.4



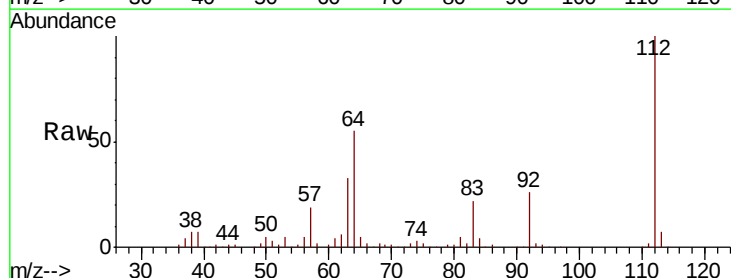
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



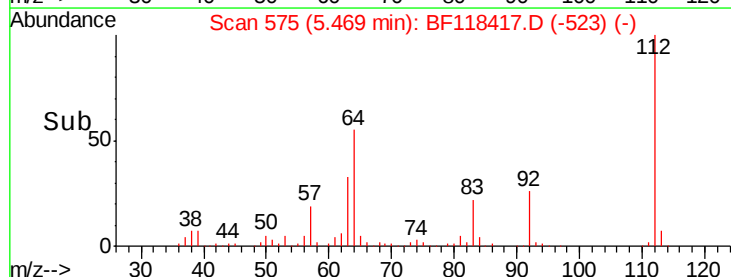
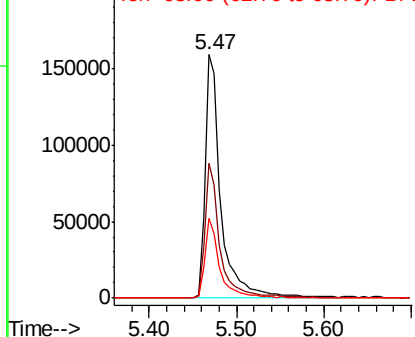
#5

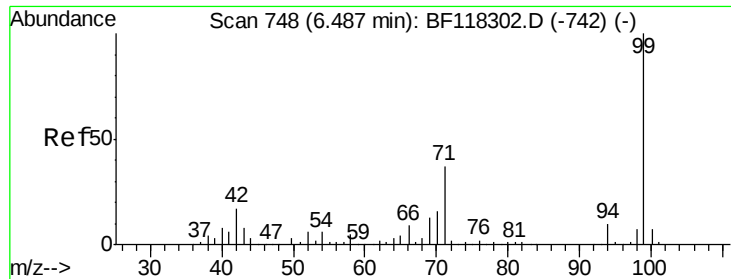
2-Fluorophenol
Concen: 46.997 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

Tgt Ion:112 Resp: 199920
Ion Ratio Lower Upper
112 100
64 55.1 39.7 59.5
63 32.7 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: 50.345 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118417.D

Acq: 31 Dec 2019 20:48

Instrument :

BNA_F

ClientSampled :

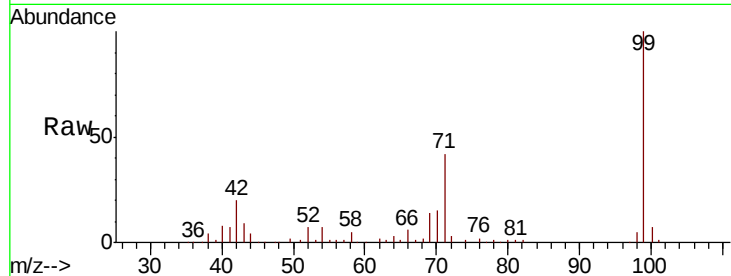
Tot Ion: 99 Resp: 265677

Ion Ratio Lower Upper

99 100

42 19.7 13.5 20.3

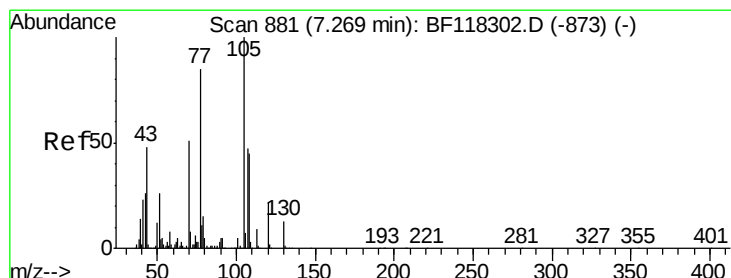
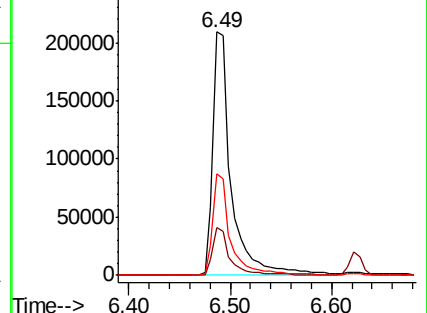
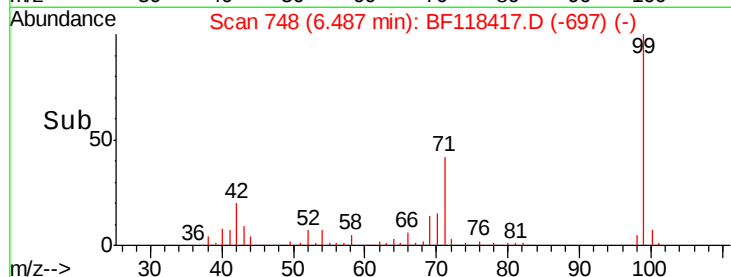
71 41.5 29.4 44.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.895 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118417.D

Acq: 31 Dec 2019 20:48

Tgt Ion: 70 Resp: 22414

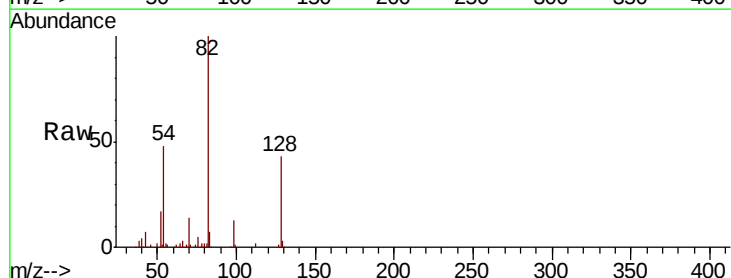
Ion Ratio Lower Upper

70 100

42 45.9 41.1 61.7

101 0.0 8.3 12.5#

130 1.8 20.1 30.1#

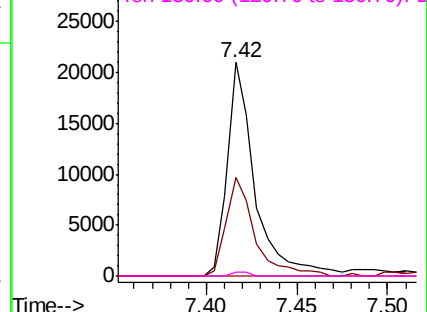
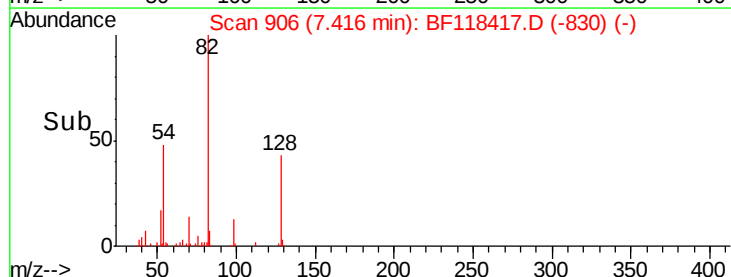


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

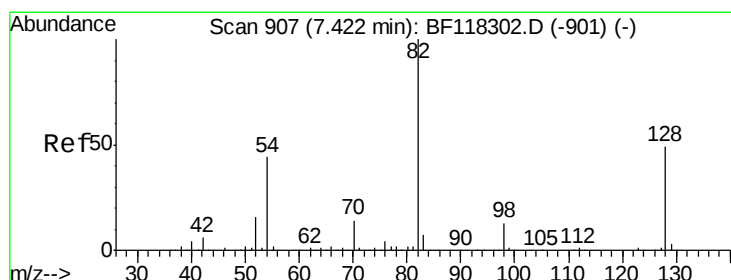
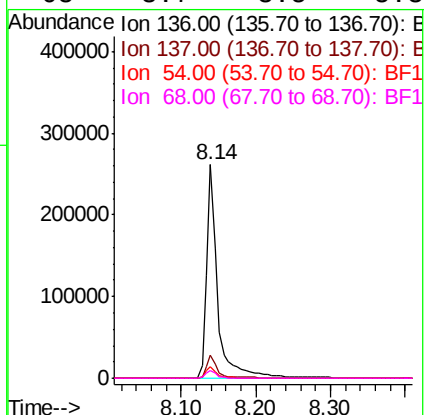
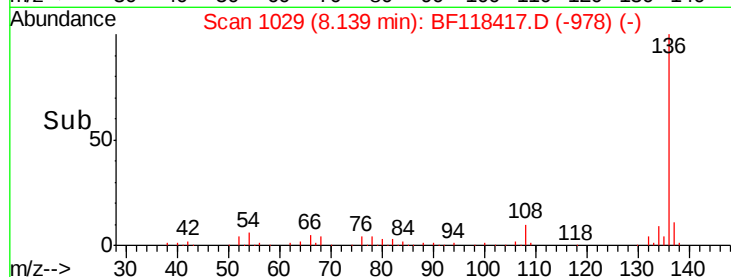
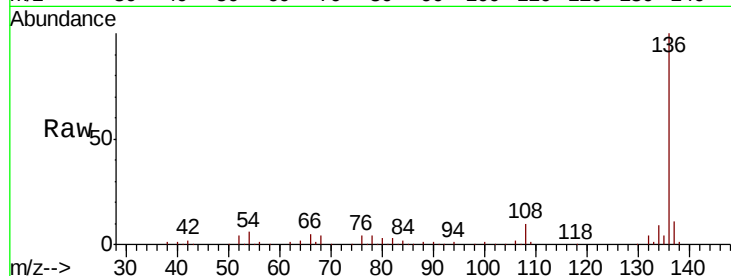




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

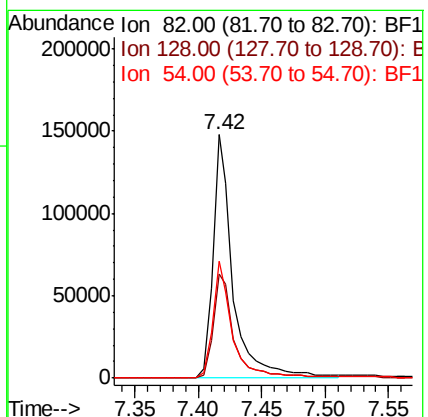
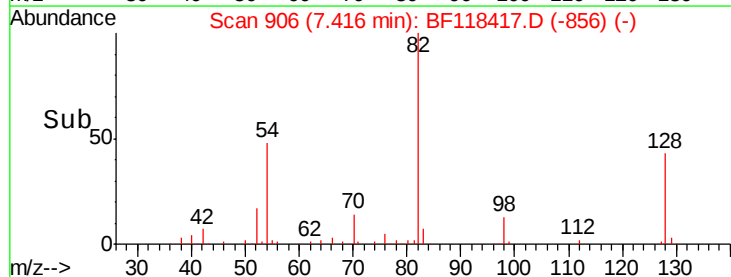
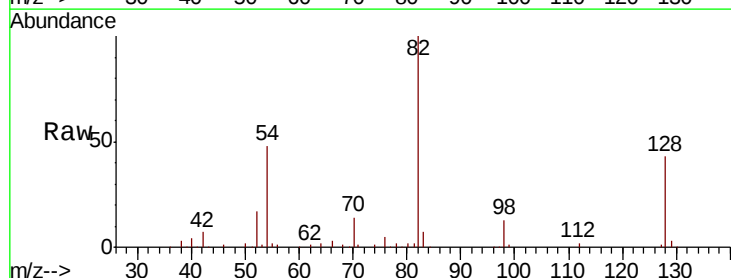
Instrument :
BNA_F
ClientSampleId :

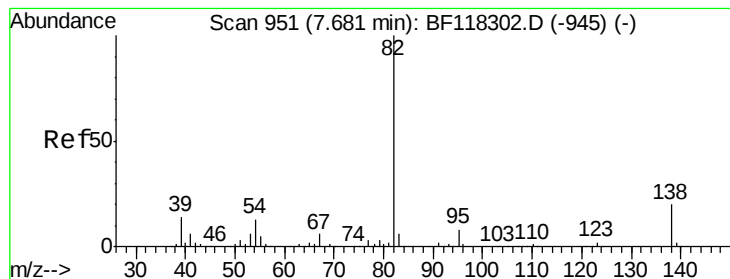
Tot Ion:136	Resp:	273400
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.9	13.3
54 5.7	4.2	6.4
68 3.7	3.5	5.3



#23
Nitrobenzene-d5
Concen: 34.378 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

Tgt Ion: 82	Resp: 164334
Ratio	Lower Upper
82 100	
128 43.0	39.6 59.4
54 48.1	34.9 52.3





#25

Isophorone

Concen: 19.726 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118417.D

Acq: 31 Dec 2019 20:48

Instrument :

BNA_F

ClientSampleId :

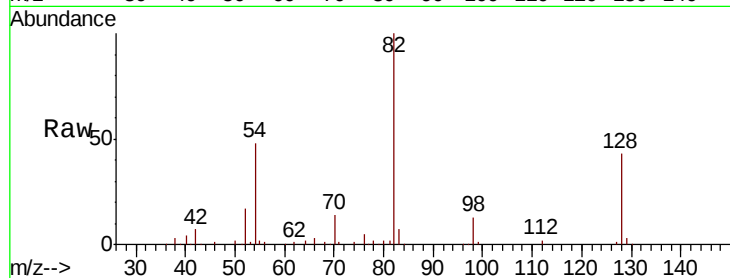
Tot Ion: 82 Resp: 164333

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

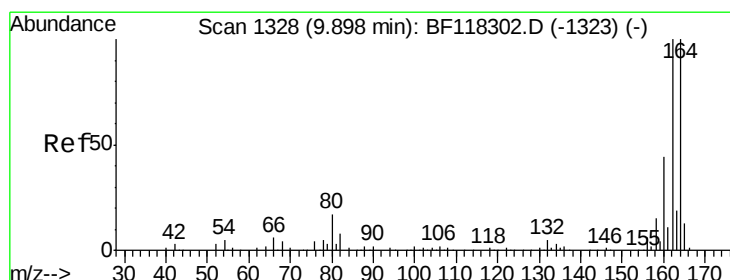
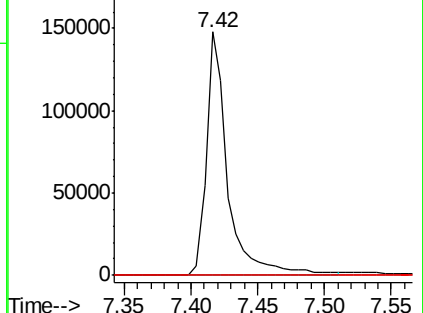
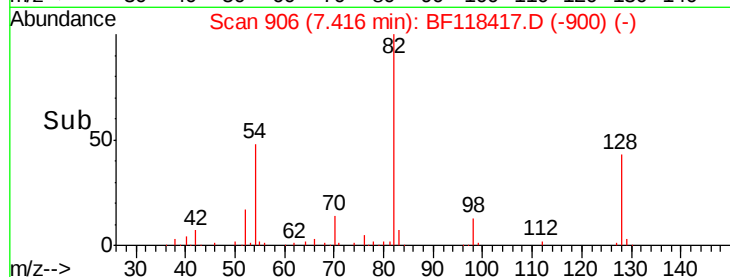
138 0.0 16.2 24.2#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF118417.D

Acq: 31 Dec 2019 20:48

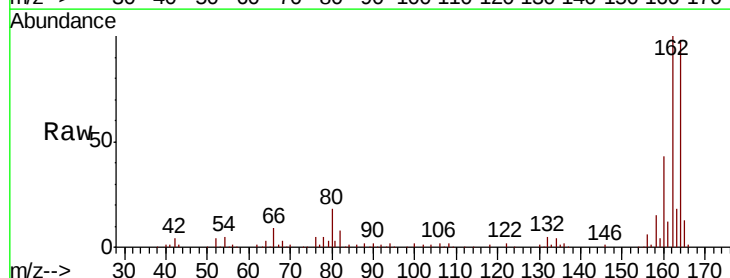
Tgt Ion:164 Resp: 140538

Ion Ratio Lower Upper

164 100

162 101.9 80.0 120.0

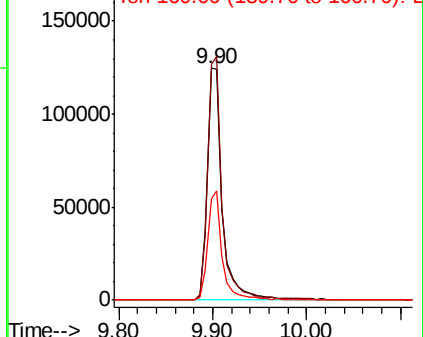
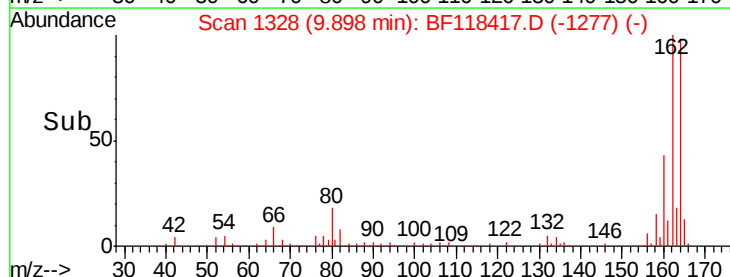
160 43.5 34.8 52.2

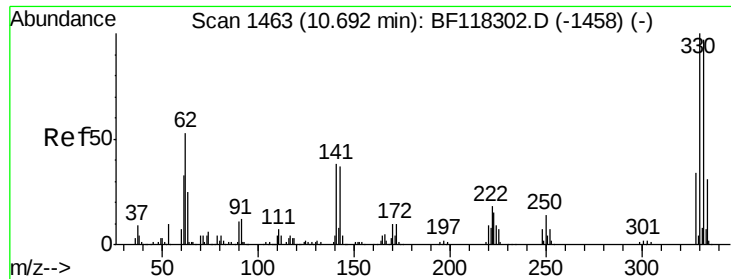


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

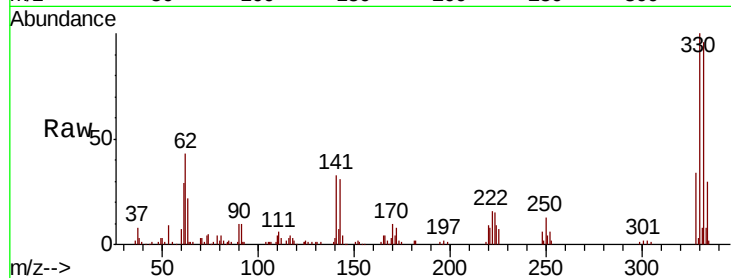




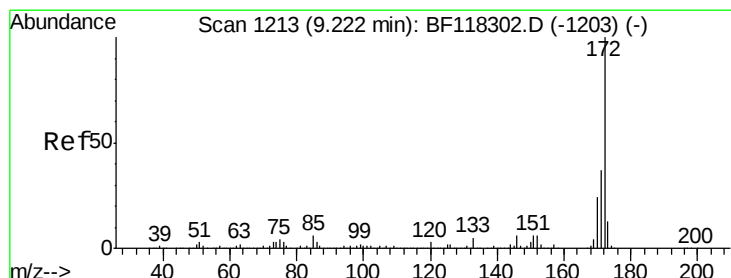
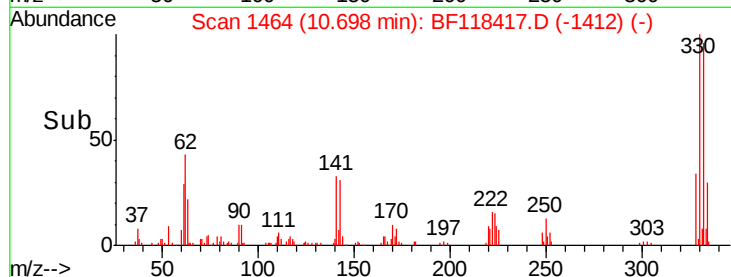
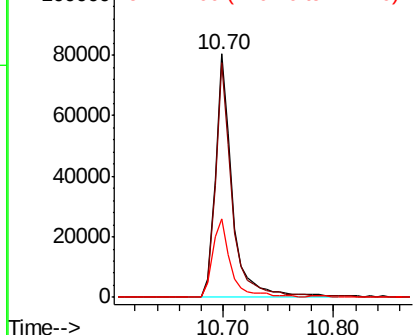
#42
 2,4,6-Tribromophenol
 Concen: 49.005 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118417.D
 Acq: 31 Dec 2019 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 85050
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 114.8
 141 34.3 26.0 39.0

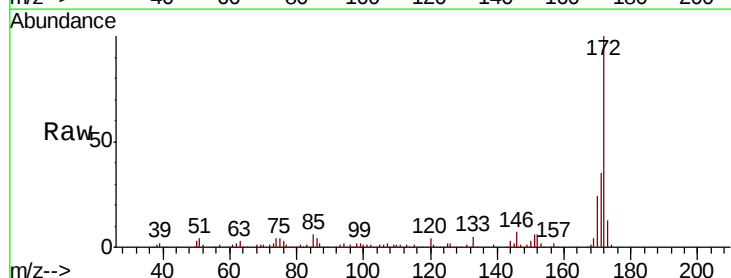


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

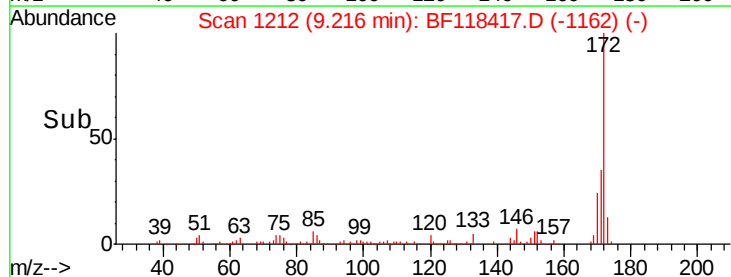
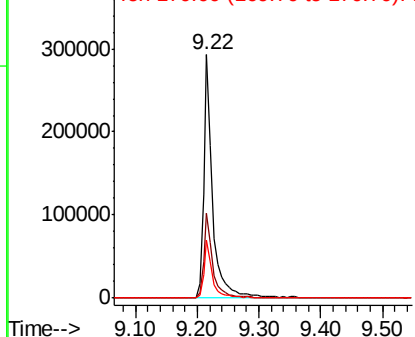


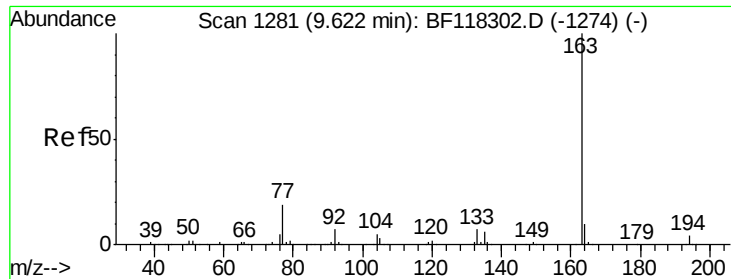
#45
 2-Fluorobiphenyl
 Concen: 32.940 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118417.D
 Acq: 31 Dec 2019 20:48

Tgt Ion:172 Resp: 303271
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.3 43.9
 170 23.7 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

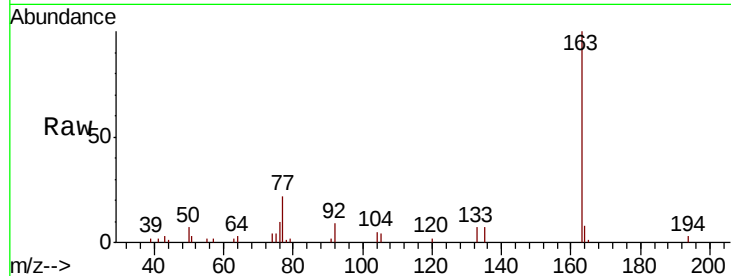




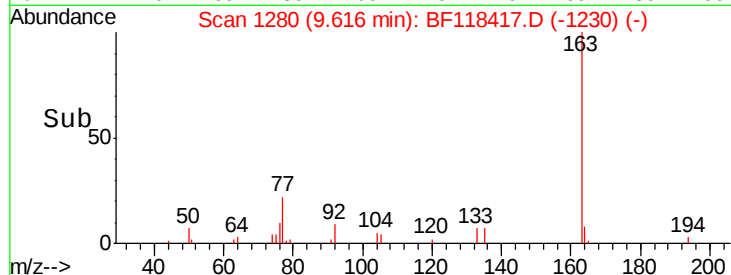
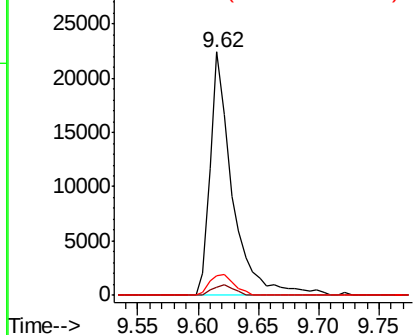
#50
Dimethylphthalate
Concen: 2.692 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 28399
Ion Ratio Lower Upper
163 100
194 3.2 3.2 4.8
164 7.9 7.9 11.9#

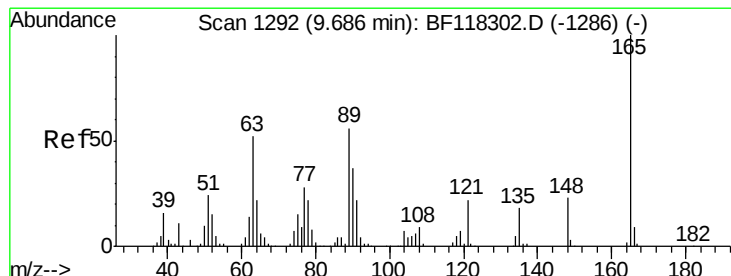


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

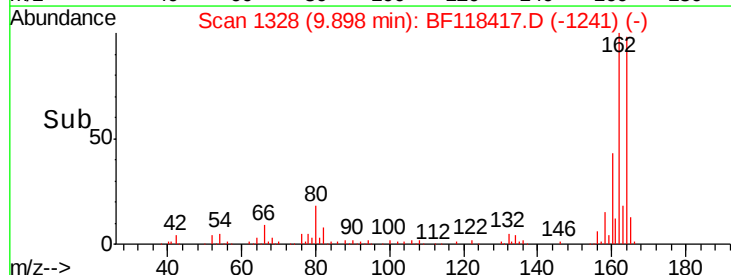
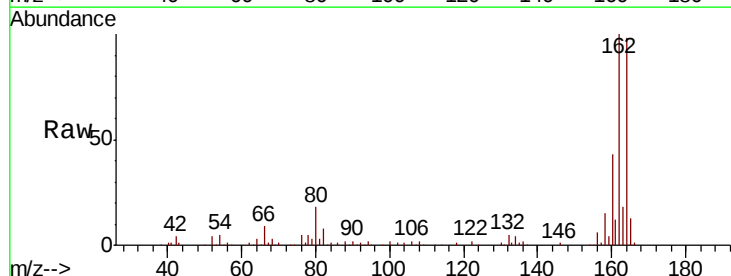
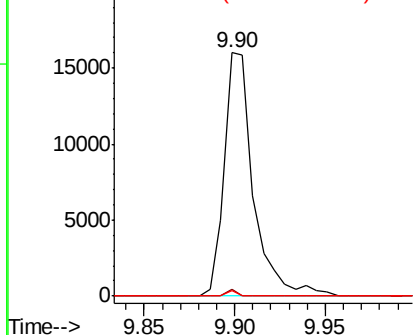


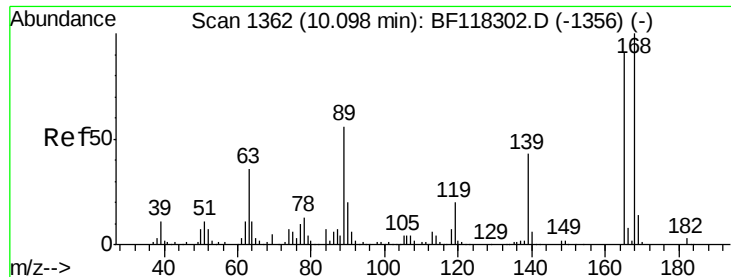
#51
2,6-Dinitrotoluene
Concen: 7.911 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

Tgt Ion:165 Resp: 17992
Ion Ratio Lower Upper
165 100
63 2.6 42.2 63.4#
89 2.0 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

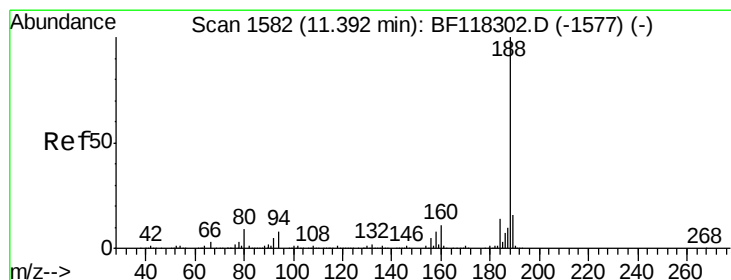
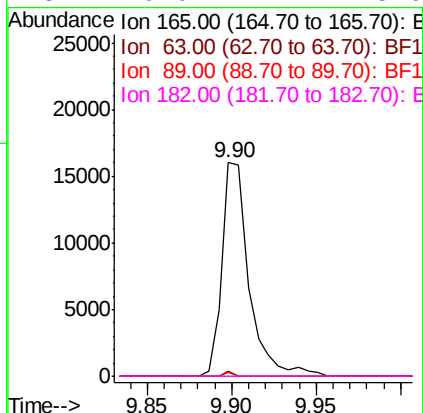
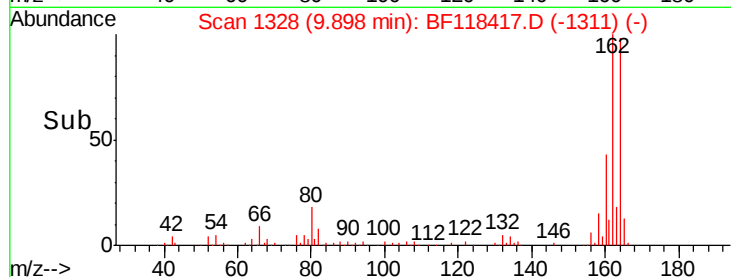
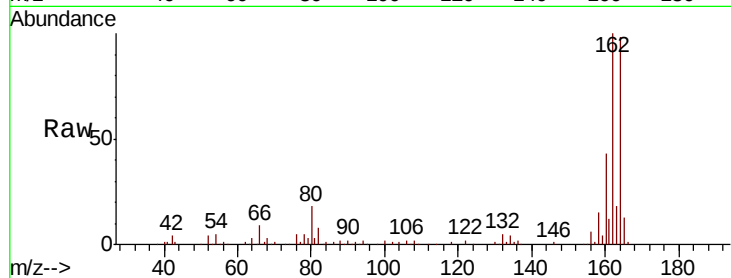




#57
2,4-Dinitrotoluene
Concen: 5.919 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

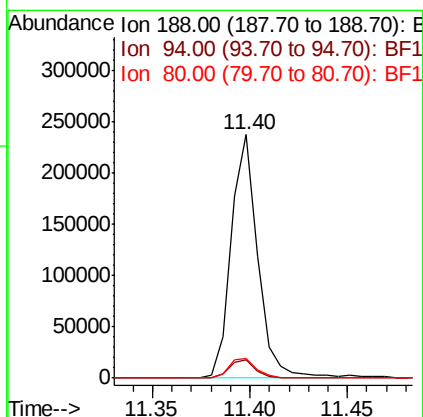
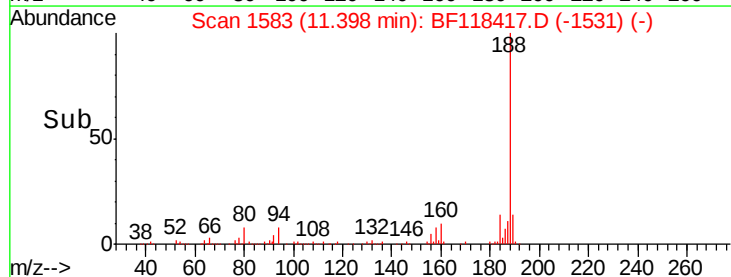
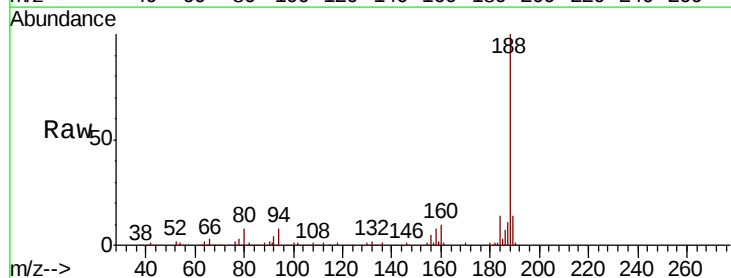
Instrument :
BNA_F
ClientSampleId :

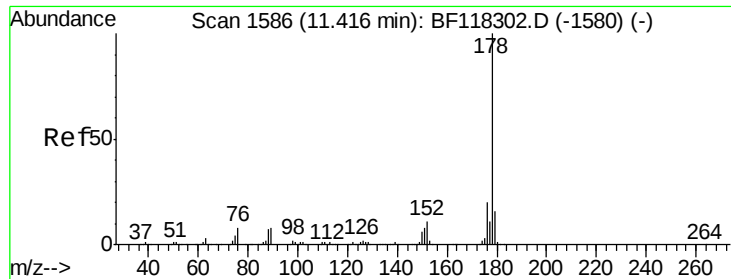
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	32.0	48.0#
89	2.0	49.3	73.9#
182	0.0	2.4	3.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	7.8	7.2	10.8

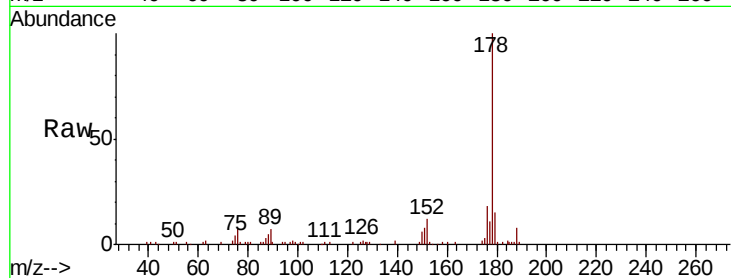




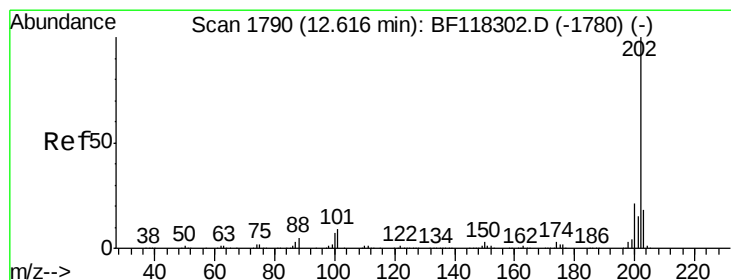
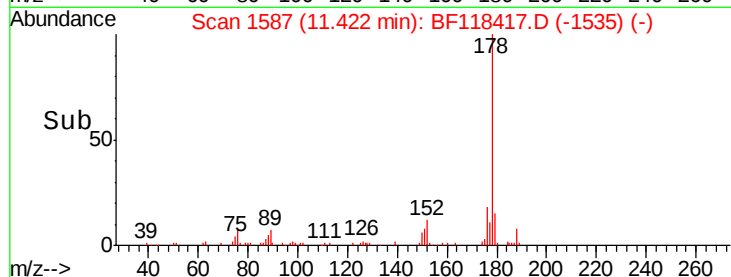
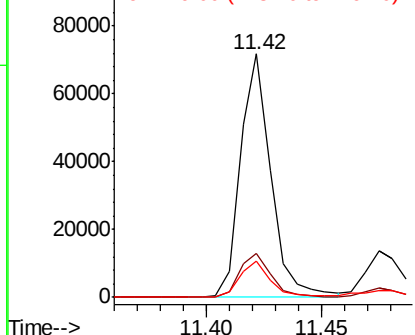
#71
Phenanthrene
Concen: 5.406 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 66162
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 14.9 12.6 19.0

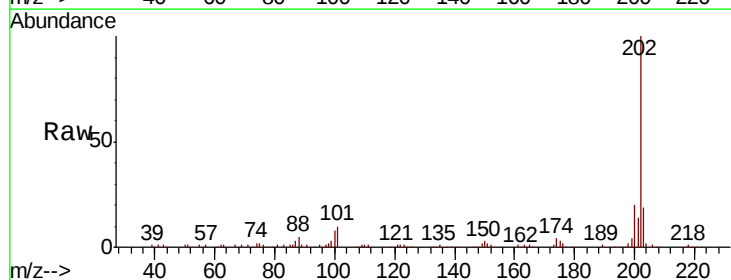


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

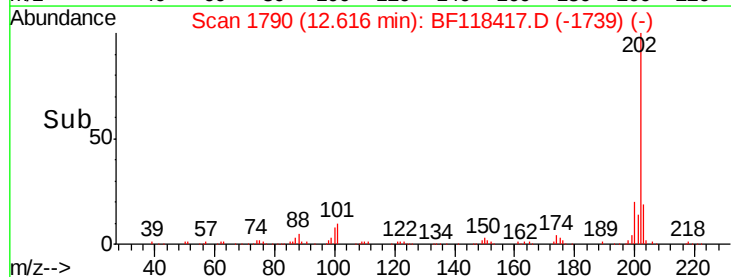
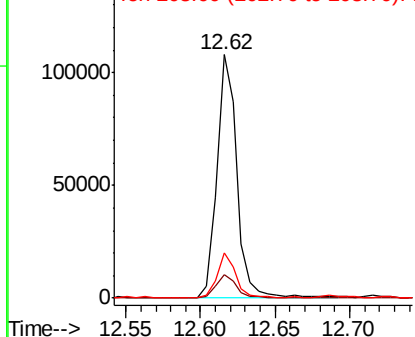


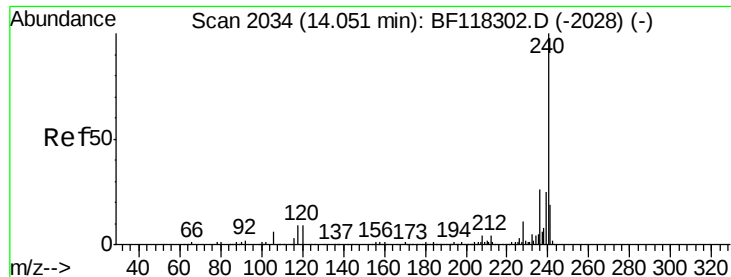
#75
Fluoranthene
Concen: 8.227 ng
RT: 12.62 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

Tgt Ion:202 Resp: 101624
Ion Ratio Lower Upper
202 100
101 9.6 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

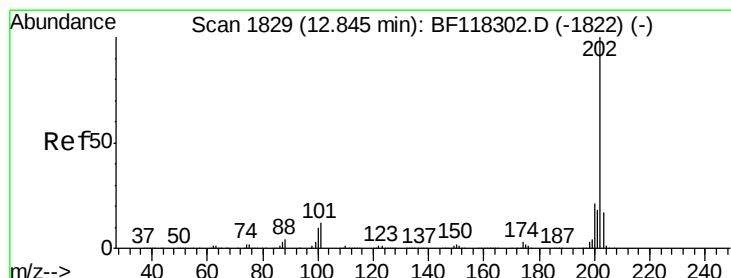
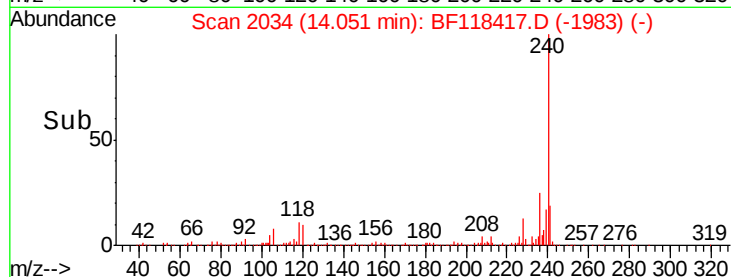
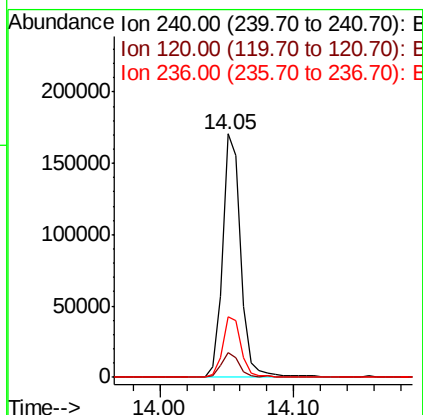
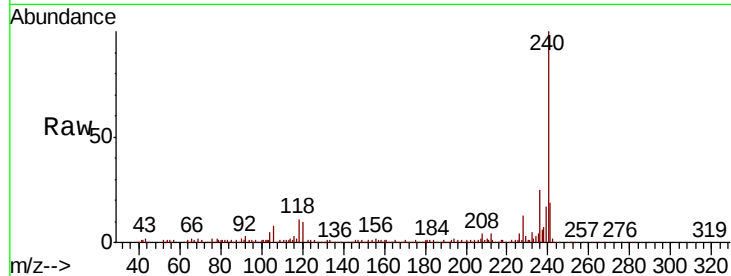




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

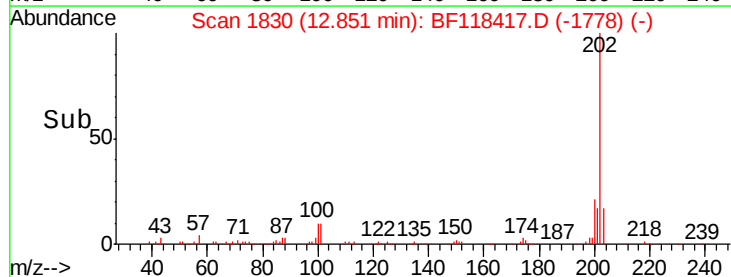
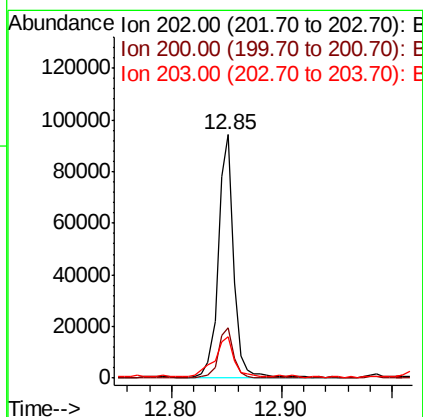
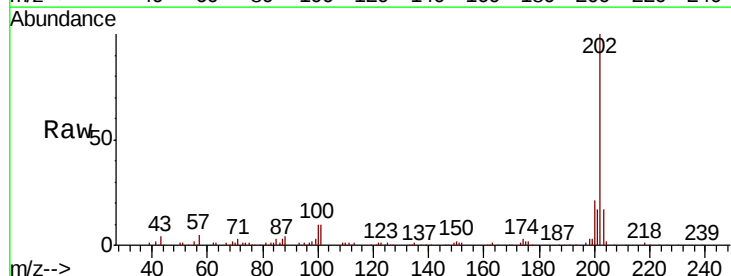
Instrument :
BNA_F
ClientSampleId :

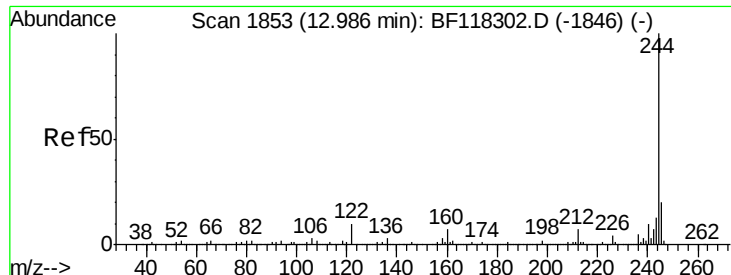
Tot Ion:240 Resp: 164908
Ion Ratio Lower Upper
240 100
120 10.3 7.1 10.7
236 24.8 21.0 31.6



#78
Pyrene
Concen: 6.836 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.01 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

Tgt Ion:202 Resp: 92057
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 16.9 13.9 20.9





#79

Terphenyl-d14

Concen: 28.153 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF118417.D

Acq: 31 Dec 2019 20:48

Instrument :

BNA_F

ClientSampleId :

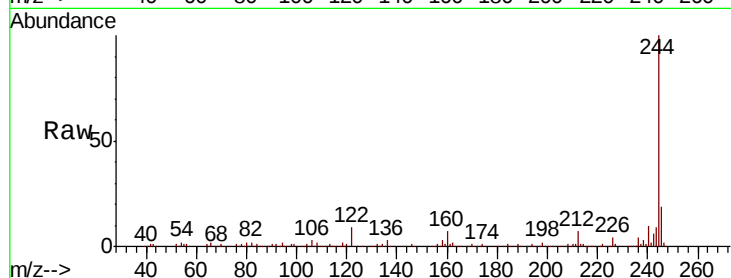
Tot Ion:244 Resp: 279838

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

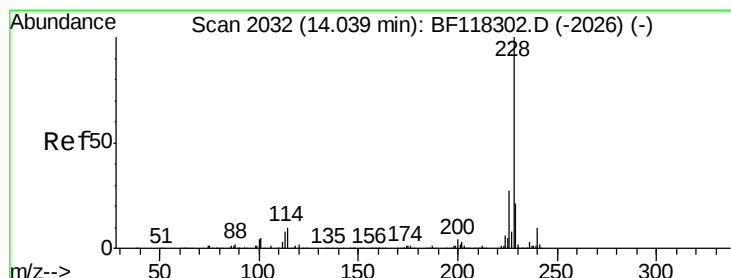
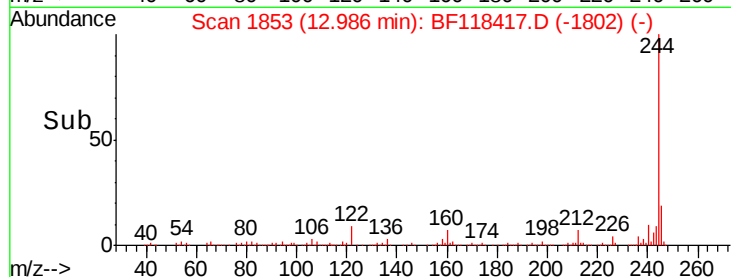
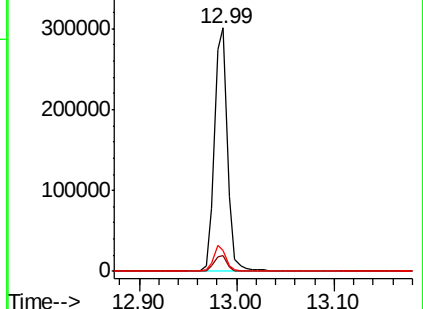
122 8.8 7.8 11.8



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: 3.812 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF118417.D

Acq: 31 Dec 2019 20:48

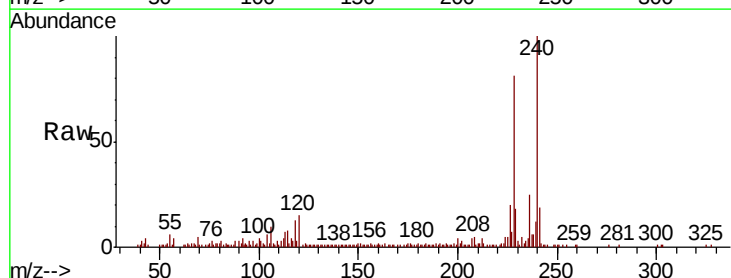
Tgt Ion:228 Resp: 44001

Ion Ratio Lower Upper

228 100

226 24.1 22.0 33.0

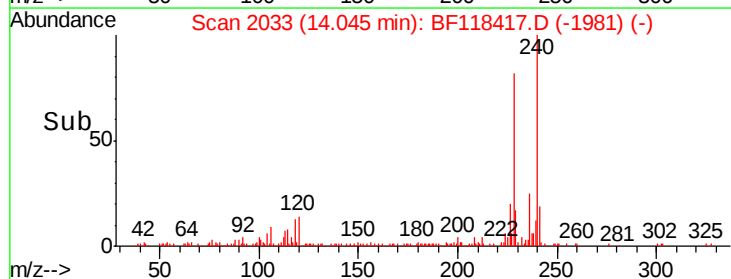
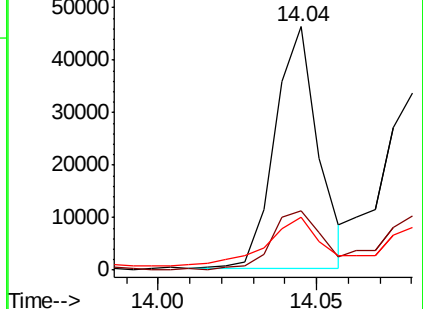
229 21.9 16.6 24.8

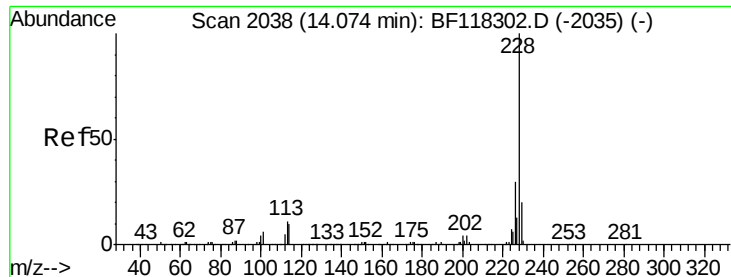


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

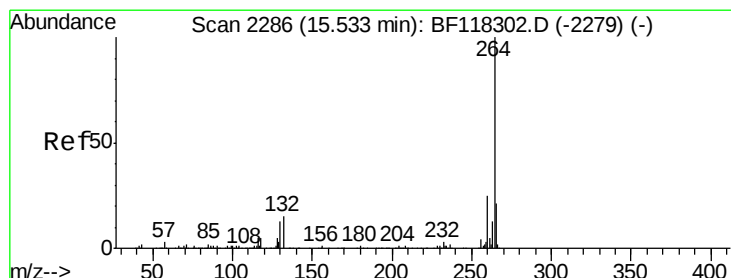
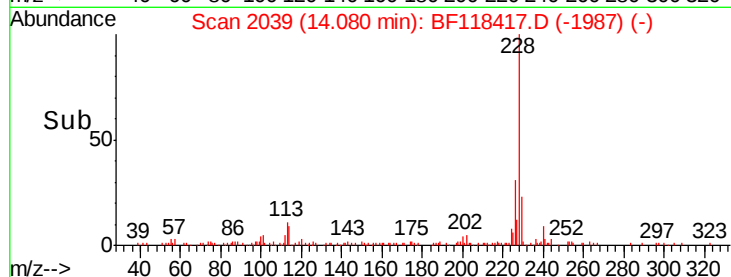
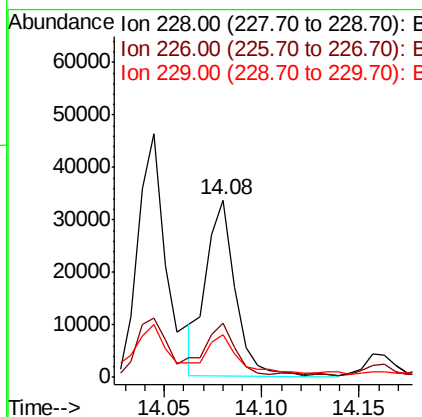
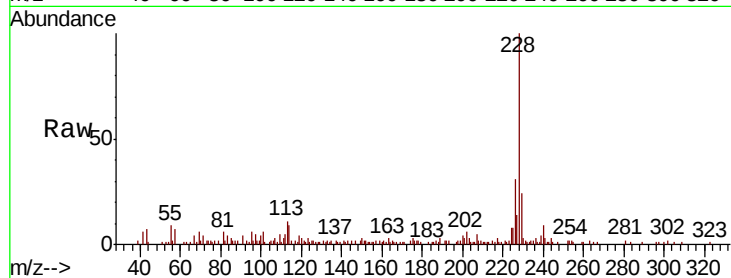




#83
 Chrysene
 Concen: 3.213 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF118417.D
 Acq: 31 Dec 2019 20:48

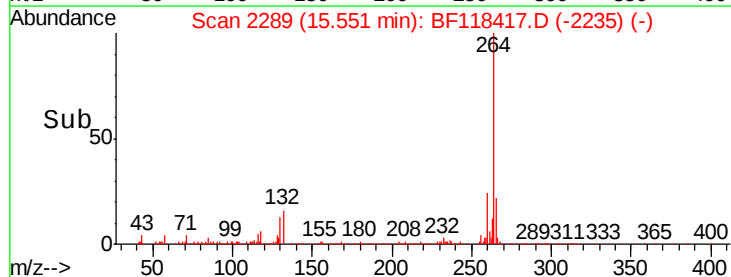
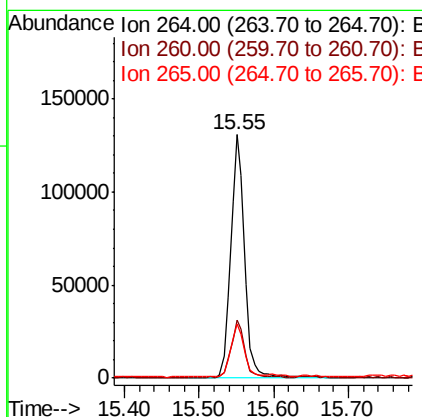
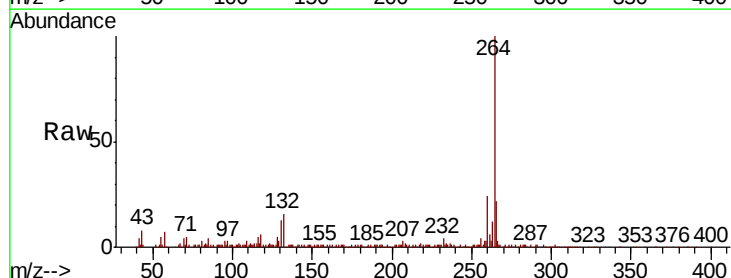
Instrument :
 BNA_F
 ClientSampleId :

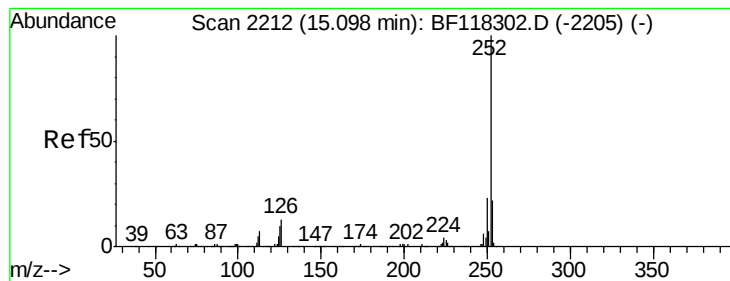
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.9	35.9
229	23.9	16.1	24.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. 0.02 min
 Lab File: BF118417.D
 Acq: 31 Dec 2019 20:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.6
265	22.0	17.0	25.4





#88

Benzo(b)fluoranthene

Concen: 5.170 ng

RT: 15.11 min Scan# 2214

Delta R.T. 0.01 min

Lab File: BF118417.D

Acq: 31 Dec 2019 20:48

Instrument :

BNA_F

ClientSampleId :

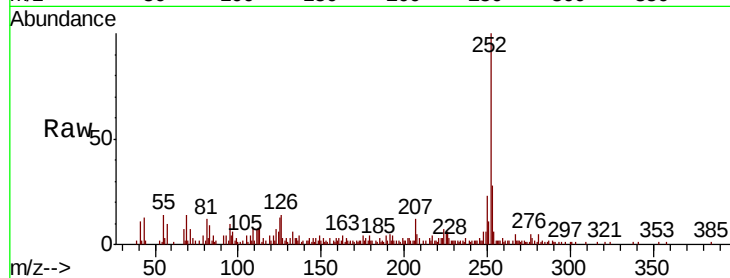
Tot Ion:252 Resp: 59309

Ion Ratio Lower Upper

252 100

253 28.3 17.5 26.3#

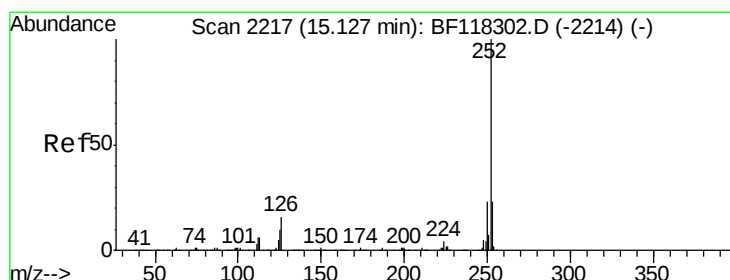
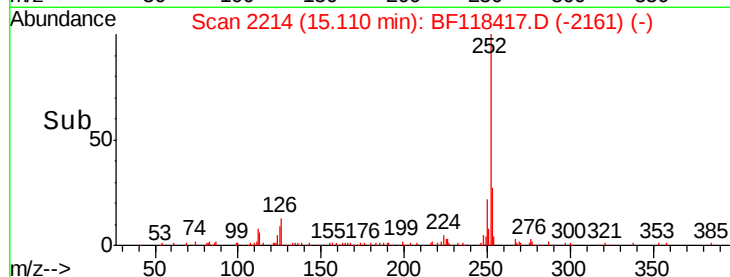
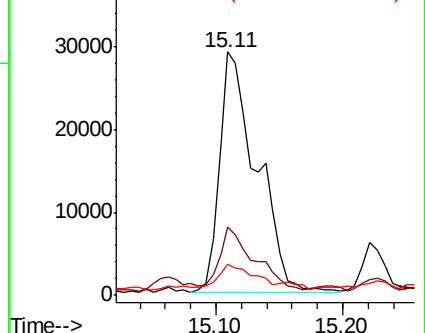
125 13.0 7.7 11.5#



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: 5.385 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.02 min

Lab File: BF118417.D

Acq: 31 Dec 2019 20:48

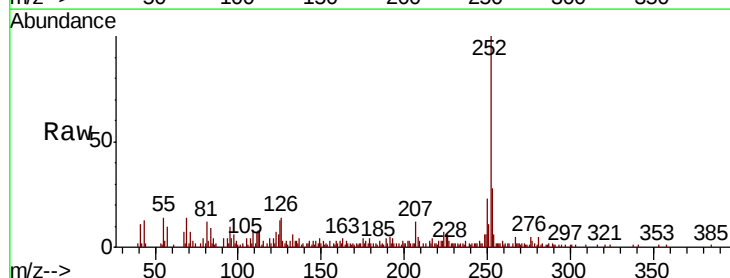
Tgt Ion:252 Resp: 59309

Ion Ratio Lower Upper

252 100

253 28.3 18.0 27.0#

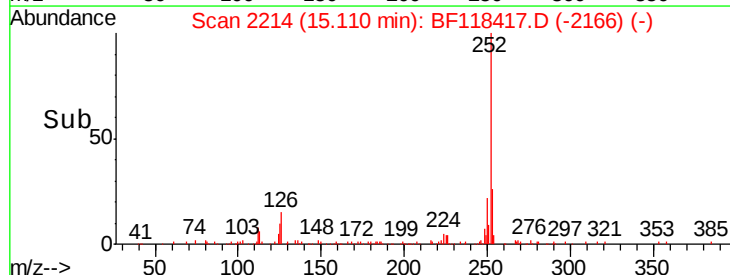
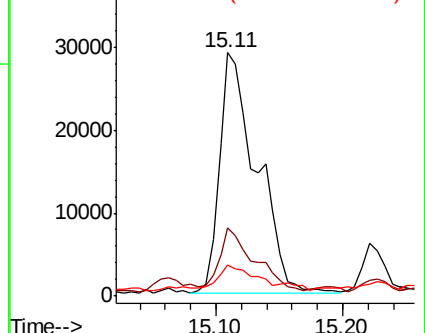
125 13.0 8.0 12.0#

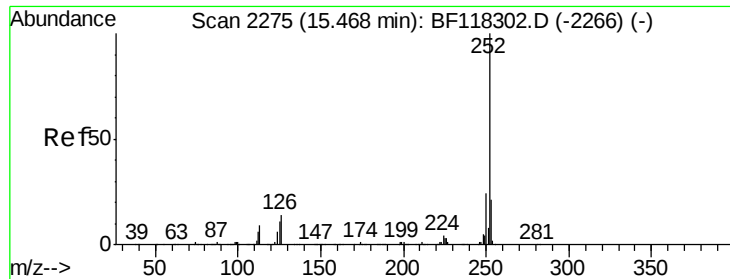


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

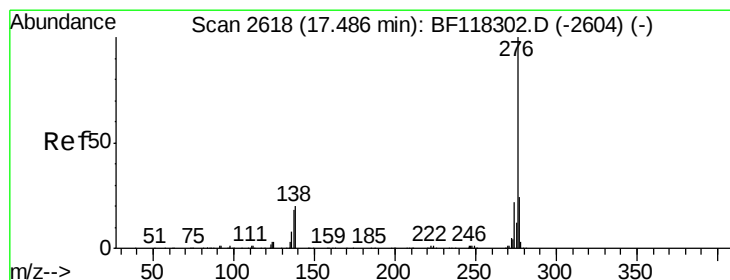
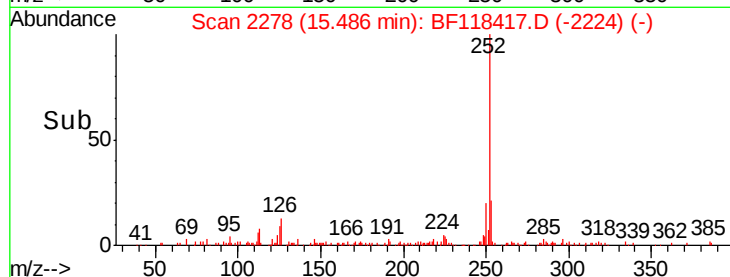
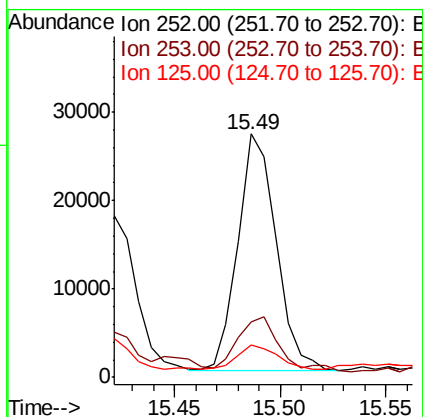
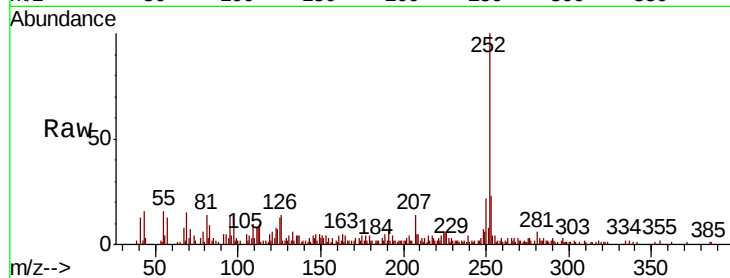




#90
Benzo(a)pyrene
Concen: 3.333 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	13.2	9.0	13.4



#92
Benzo(g,h,i)perylene
Concen: 2.126 ng
RT: 17.54 min Scan# 2627
Delta R.T. 0.05 min
Lab File: BF118417.D
Acq: 31 Dec 2019 20:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.1	28.7
138	26.7	16.1	24.1#

