

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119317.D
 Acq On : 10 Mar 2020 15:23
 Operator : CG/JU
 Sample : L1778-03 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 11 01:38:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	126307	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	477372	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	237320	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	373950	20.00	ng	0.00
76) Chrysene-d12	13.89	240	263463	20.00	ng	0.00
87) Perylene-d12	15.32	264	249226	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	365373	48.34	ng	0.00
7) Phenol-d6	6.38	99	453513	49.34	ng	0.00
23) Nitrobenzene-d5	7.29	82	289187	31.99	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	115634	37.25	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	554870	34.44	ng	0.00
79) Terphenyl-d14	12.82	244	450552	29.44	ng	0.00

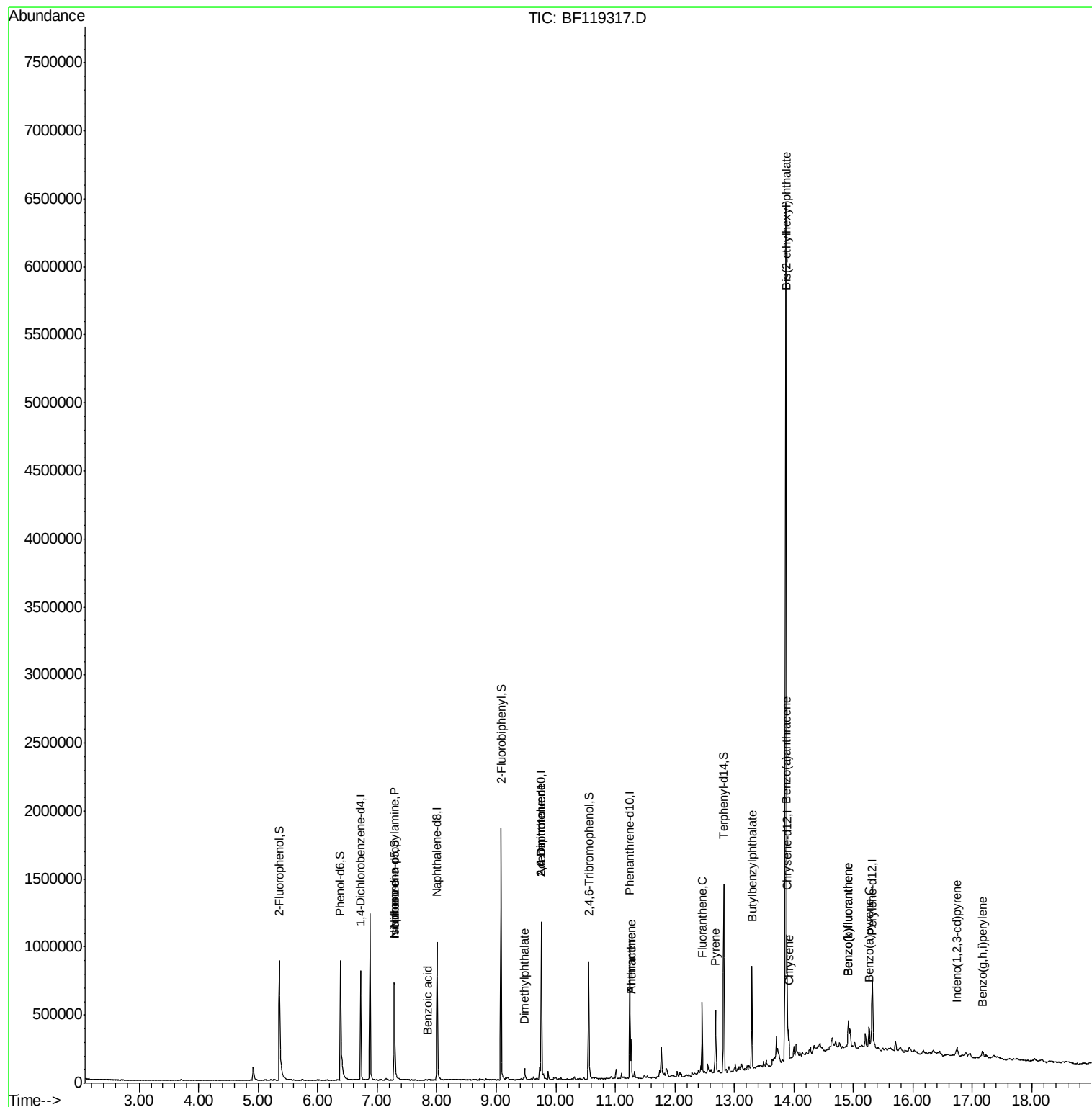
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	39874	7.445	ng	# 76
25) Isophorone	7.29	82	289187	18.417	ng	# 63
32) Benzoic acid	7.85	122	650	6.799	ng	98
50) Dimethylphthalate	9.48	163	37075	2.043	ng	100
51) 2,6-Dinitrotoluene	9.76	165	30101	7.466	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	30101	5.760	ng	# 21
71) Phenanthrene	11.27	178	103765	5.088	ng	97
72) Anthracene	11.27	178	103765	5.092	ng	98
75) Fluoranthene	12.46	202	201845	9.324	ng	98
78) Pyrene	12.69	202	180344	8.525	ng	98
80) Butylbenzylphthalate	13.29	149	183051	20.559	ng	94
81) Benzo(a)anthracene	13.88	228	85807	4.780	ng	99
83) Chrysene	13.92	228	92934	5.196	ng	97
84) Bis(2-ethylhexyl)phthalate	13.87	149	2286824	203.296	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.74	276	43580	2.516	ng	# 92
88) Benzo(b)fluoranthene	14.92	252	150817	9.181	ng	# 97
89) Benzo(k)fluoranthene	14.92	252	150817	9.907	ng	# 97
90) Benzo(a)pyrene	15.26	252	71959	4.853	ng	95
92) Benzo(a,h,i)perylene	17.17	276	40386	3.133	ng	97

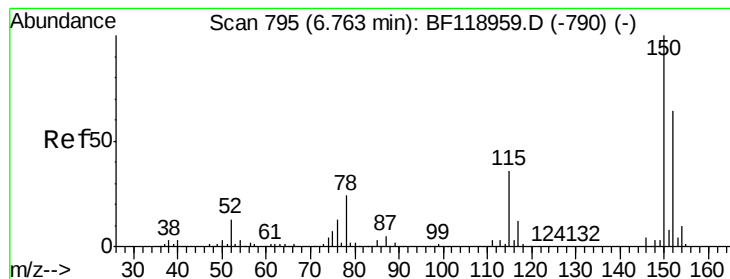
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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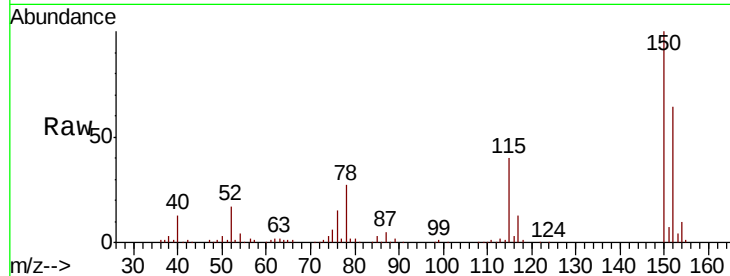


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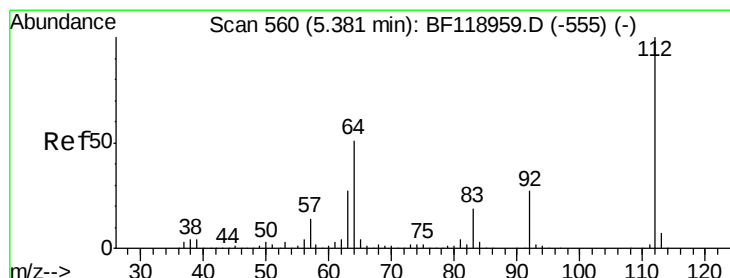
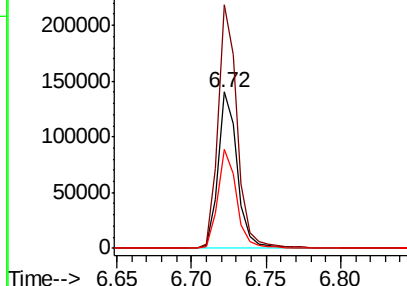
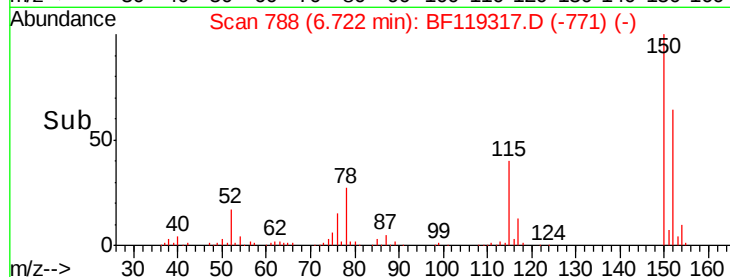
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 126307
Ion Ratio Lower Upper
152 100
150 155.7 123.0 184.6
115 63.0 49.5 74.3



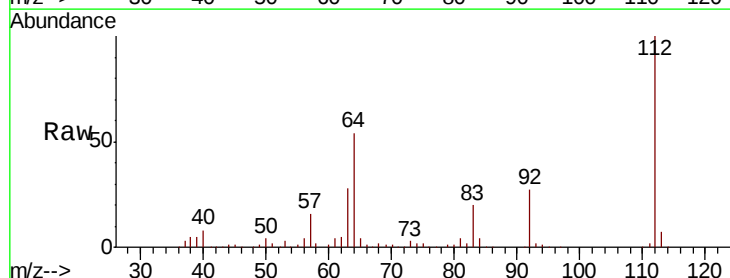
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



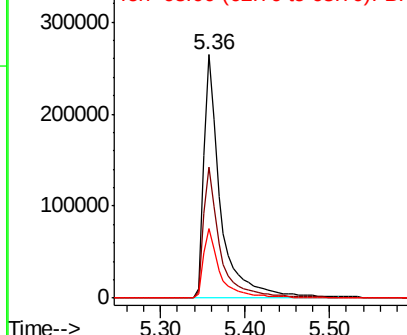
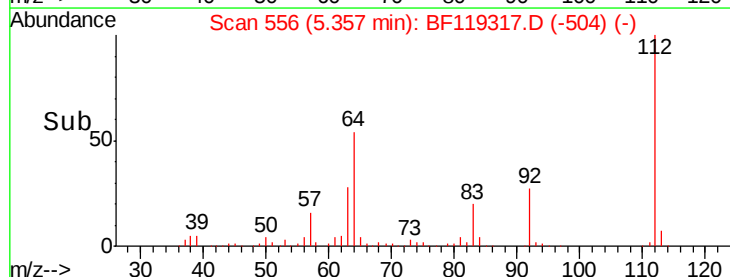
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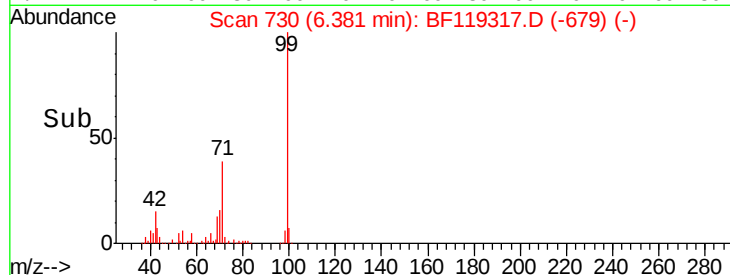
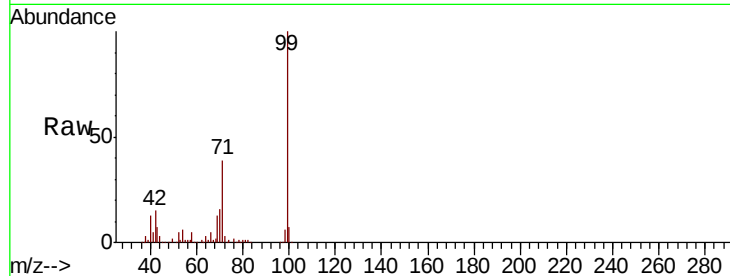
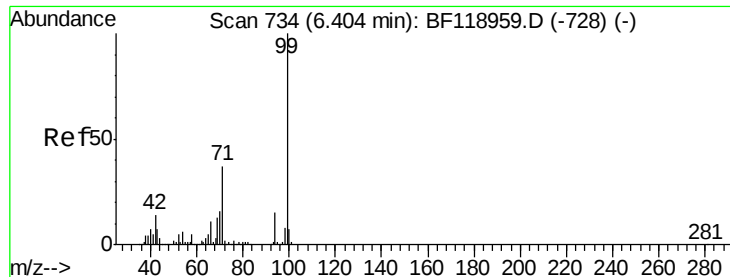
2-Fluorophenol
Concen: 48.343 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

Tgt Ion:112 Resp: 365373
Ion Ratio Lower Upper
112 100
64 53.6 45.0 67.4
63 28.5 24.2 36.4



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: 49.338 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119317.D

Acq: 10 Mar 2020 15:23

Instrument :

BNA_F

ClientSampleId :

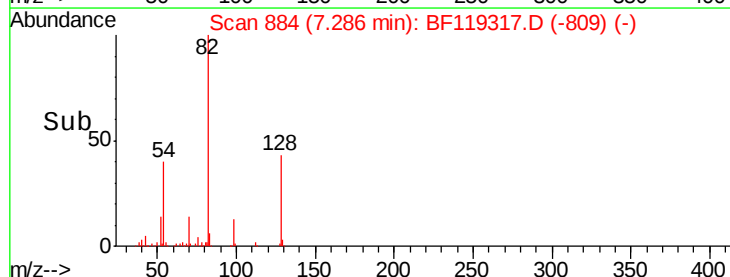
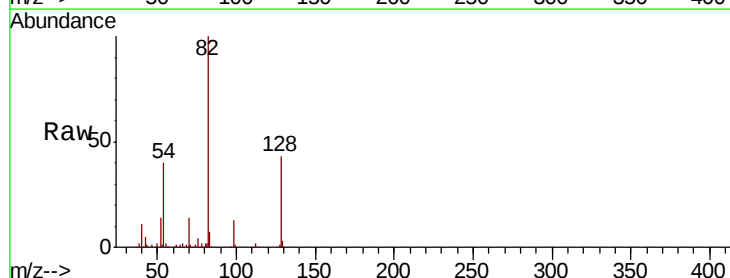
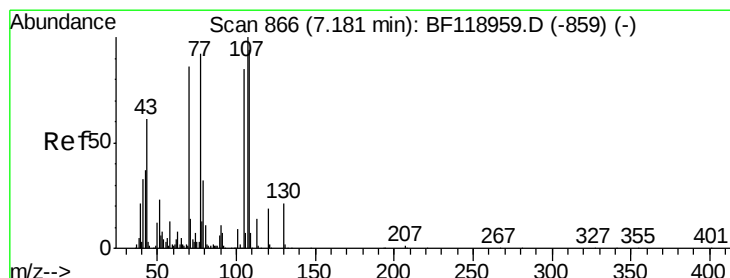
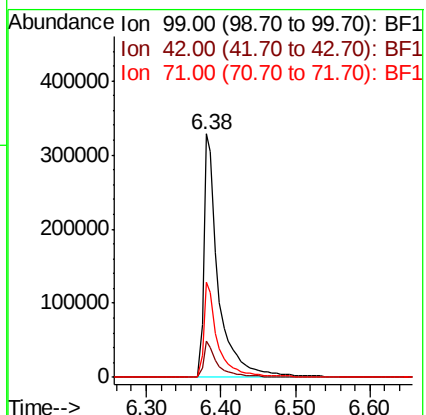
Tot Ion: 99 Resp: 453513

Ion Ratio Lower Upper

99 100

42 15.0 12.6 18.8

71 39.3 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 7.445 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF119317.D

Acq: 10 Mar 2020 15:23

Tgt Ion: 70 Resp: 39874

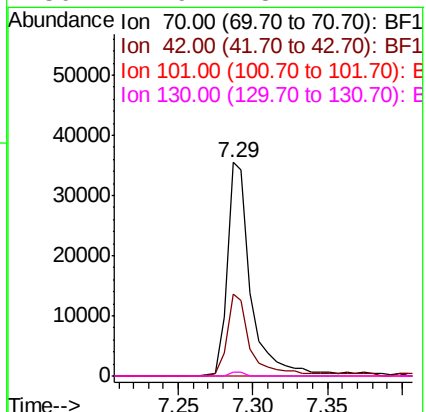
Ion Ratio Lower Upper

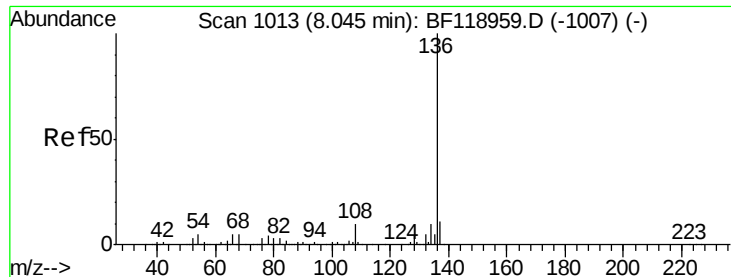
70 100

42 38.2 38.0 57.0

101 0.0 8.2 12.4#

130 1.9 18.2 27.4#

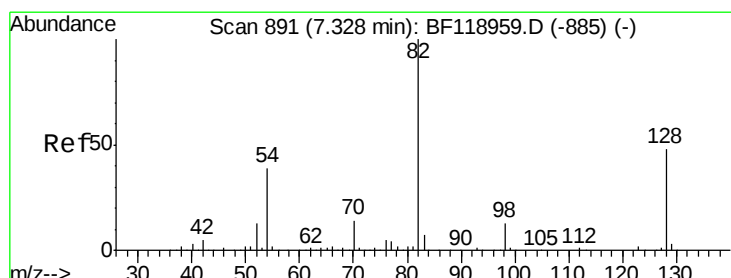
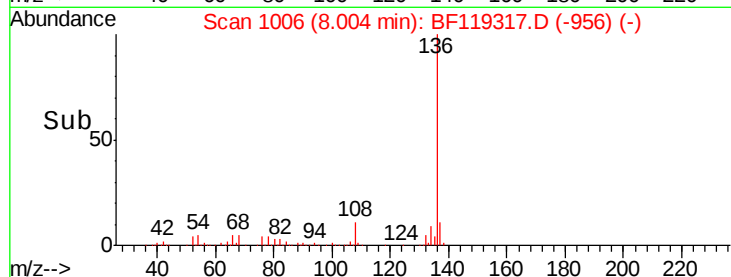
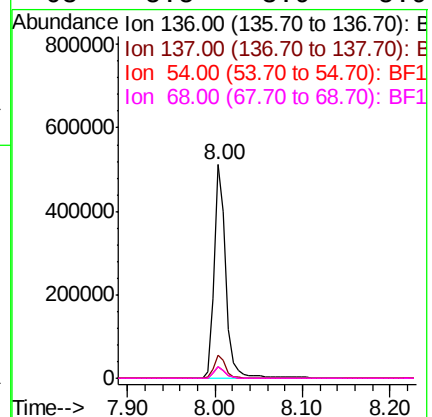
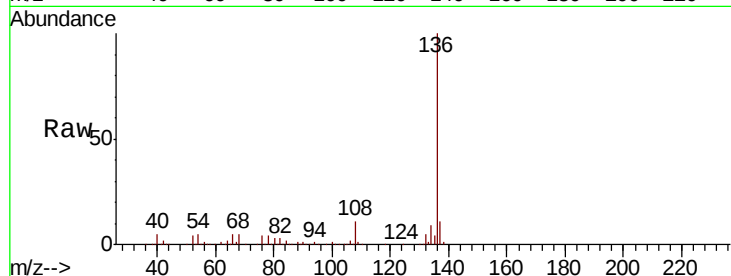




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

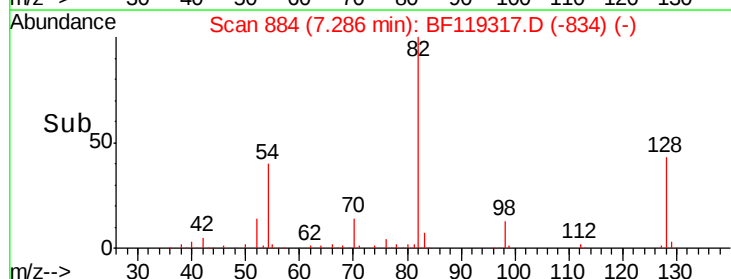
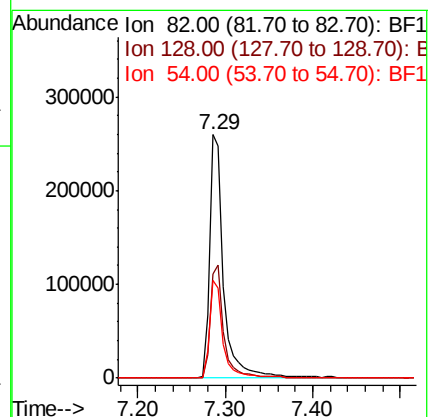
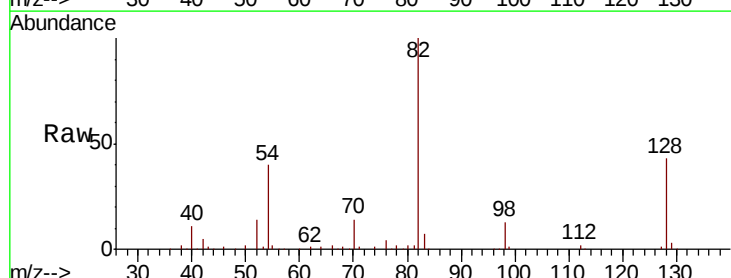
Instrument :
BNA_F
ClientSampleId :

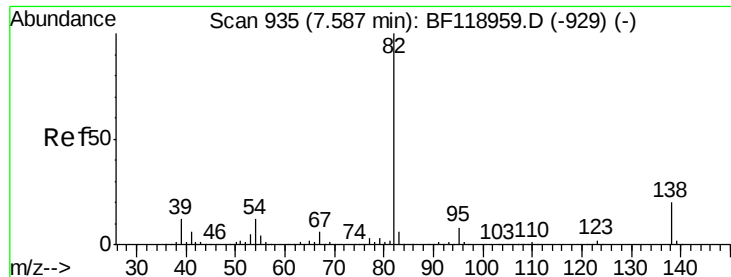
Tot Ion:136	Resp:	477372
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.8 13.2
54	5.3	3.8 5.6
68	5.5	3.9 5.9



#23
Nitrobenzene-d5
Concen: 31.986 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

Tgt Ion: 82	Resp:	289187
Ion Ratio	Lower	Upper
82	100	
128	42.8	37.9 56.9
54	40.2	33.4 50.2





#25

Isophorone

Concen: 18.417 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF119317.D

Acq: 10 Mar 2020 15:23

Instrument :

BNA_F

ClientSampleId :

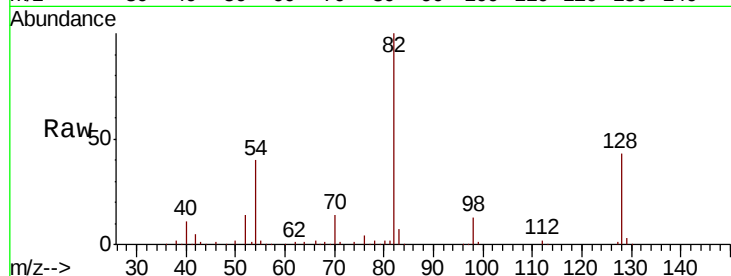
Tot Ion: 82 Resp: 289187

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

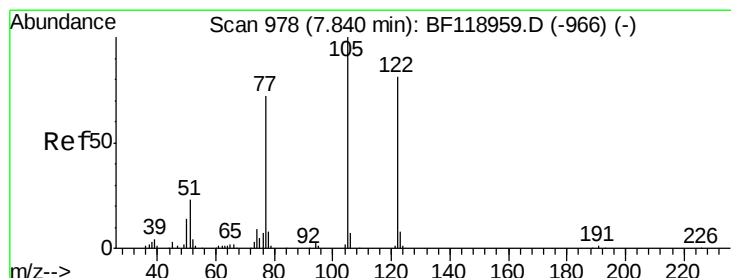
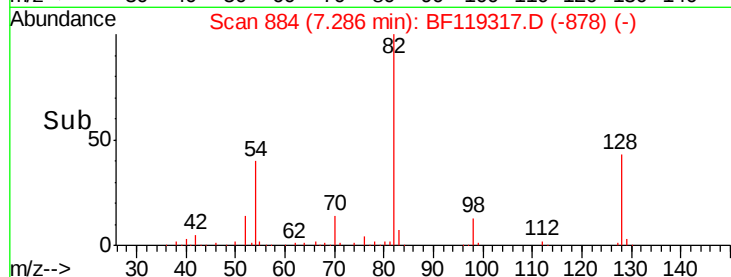
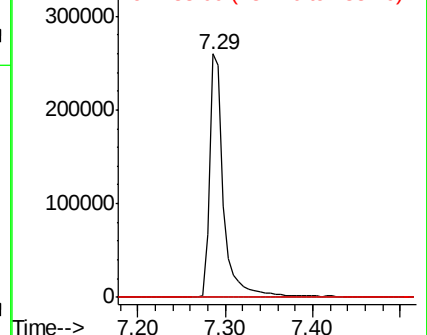
138 0.0 15.7 23.5#



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



#32

Benzoic acid

Concen: 6.799 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF119317.D

Acq: 10 Mar 2020 15:23

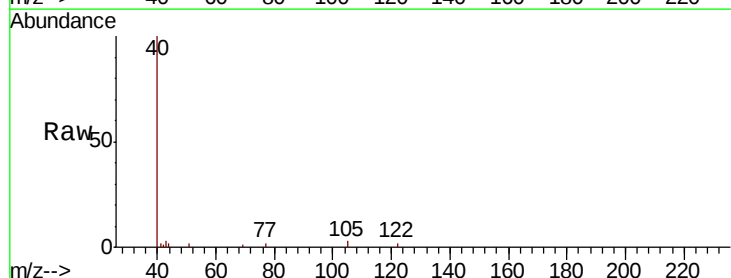
Tgt Ion:122 Resp: 650

Ion Ratio Lower Upper

122 100

105 126.4 106.3 146.3

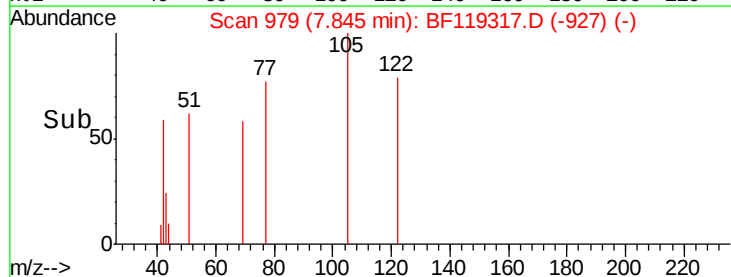
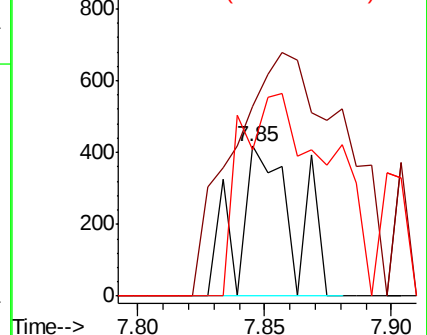
77 97.6 73.1 113.1

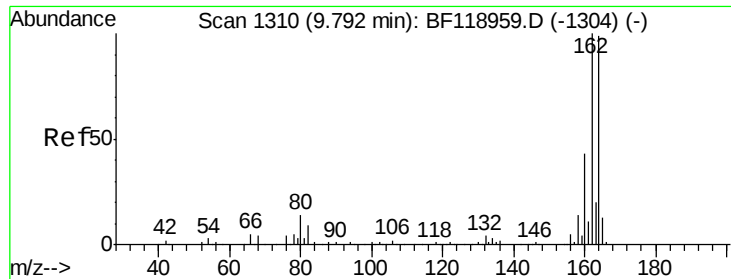


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

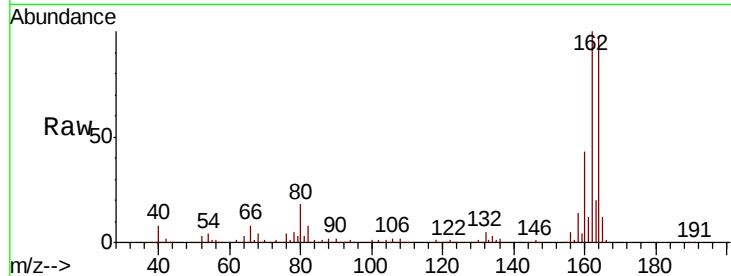




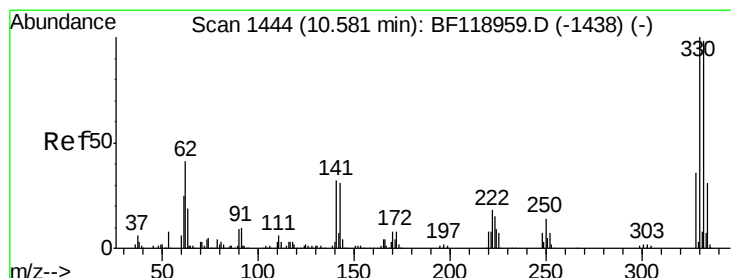
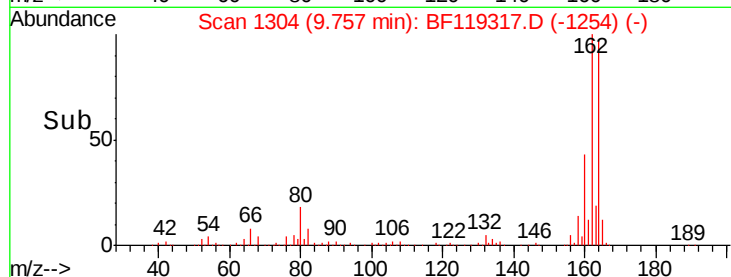
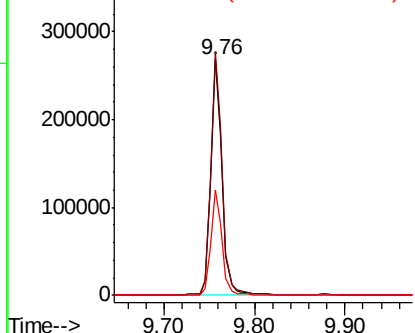
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF119317.D
 Acq: 10 Mar 2020 15:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 237320
 Ion Ratio Lower Upper
 164 100
 162 103.3 81.8 122.8
 160 44.7 36.0 54.0

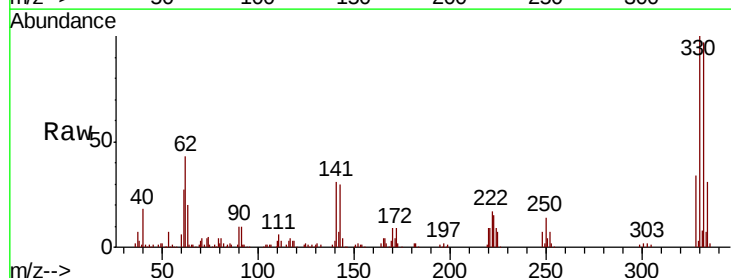


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

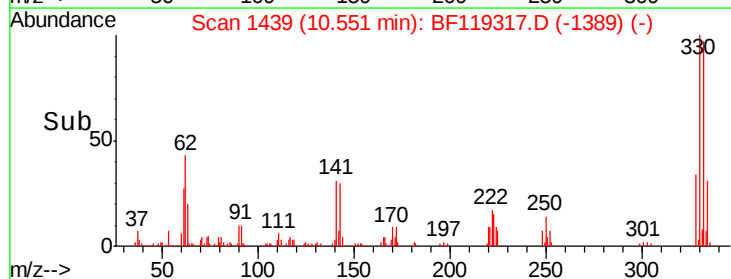
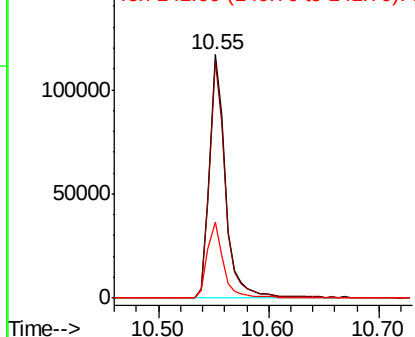


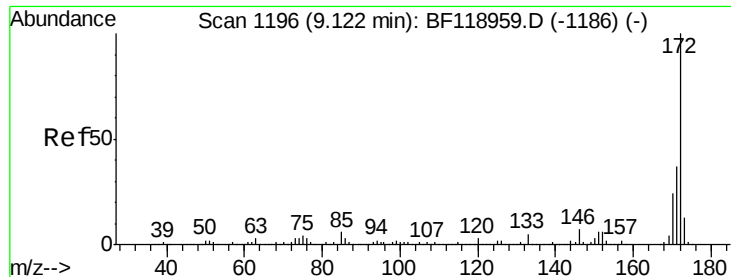
#42
 2,4,6-Tribromophenol
 Concen: 37.247 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119317.D
 Acq: 10 Mar 2020 15:23

Tgt Ion:330 Resp: 115634
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.0 114.0
 141 31.3 22.9 34.3



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

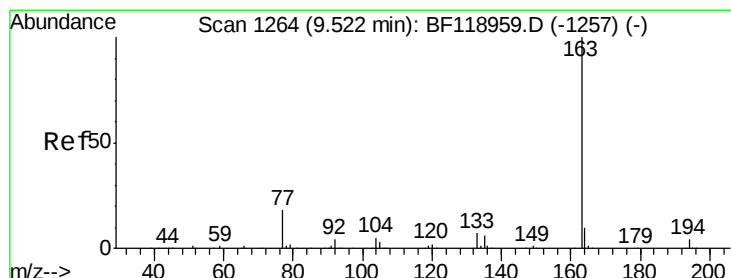
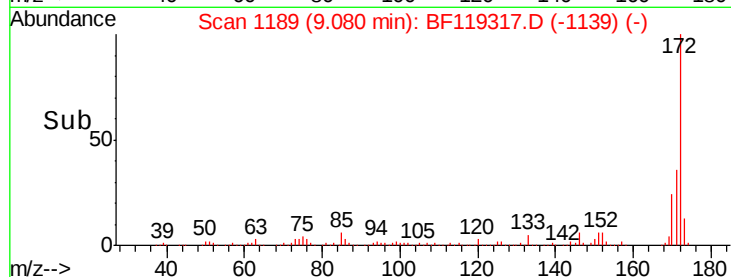
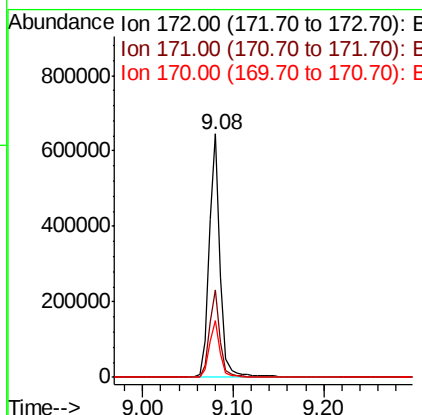
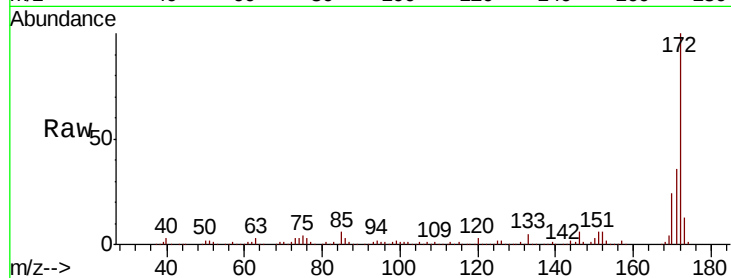




#45
 2-Fluorobiphenyl
 Concen: 34.444 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119317.D
 Acq: 10 Mar 2020 15:23

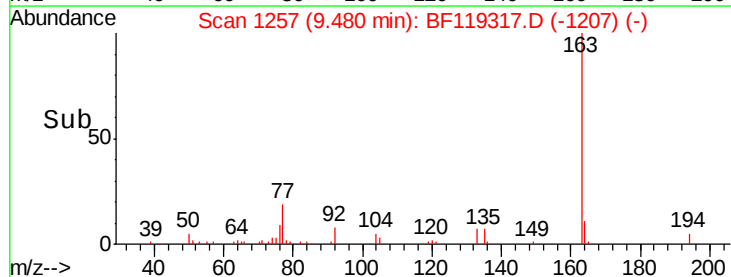
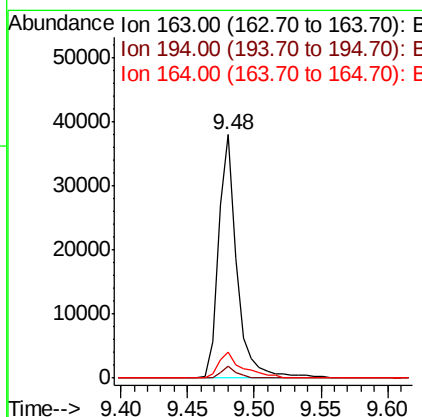
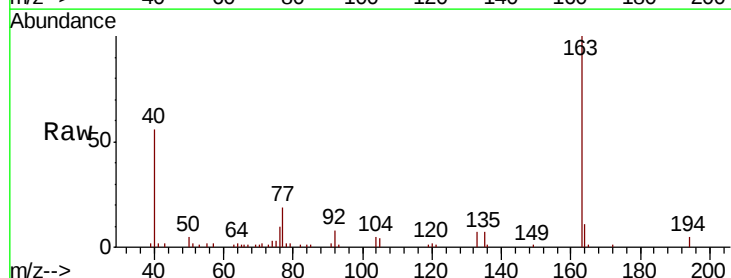
Instrument :
 BNA_F
 ClientSampleId :

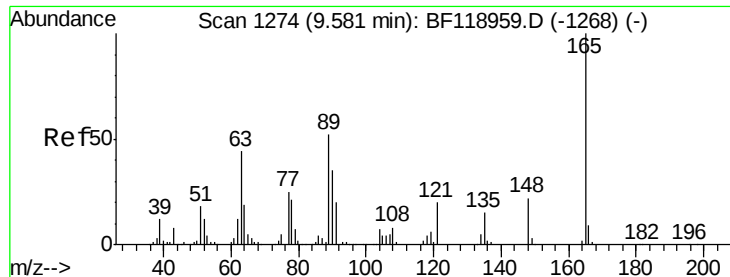
Tot Ion:172 Resp: 554870
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.6 45.8
 170 23.5 20.2 30.2



#50
 Dimethylphthalate
 Concen: 2.043 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: BF119317.D
 Acq: 10 Mar 2020 15:23

Tgt Ion:163 Resp: 37075
 Ion Ratio Lower Upper
 163 100
 194 4.9 3.5 5.3
 164 10.5 8.4 12.6

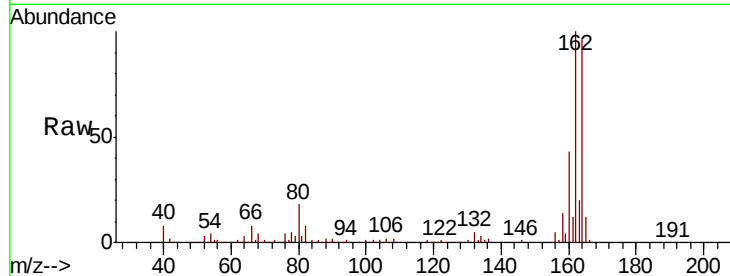




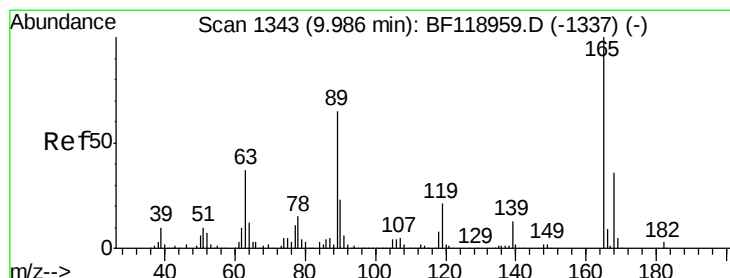
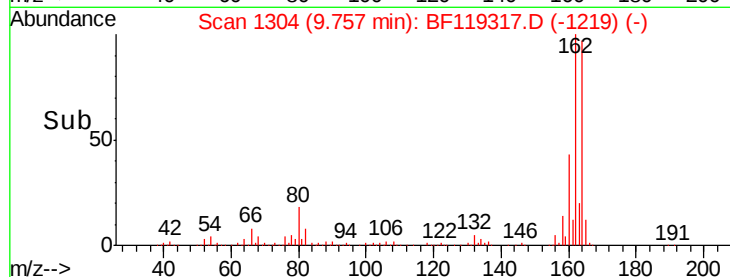
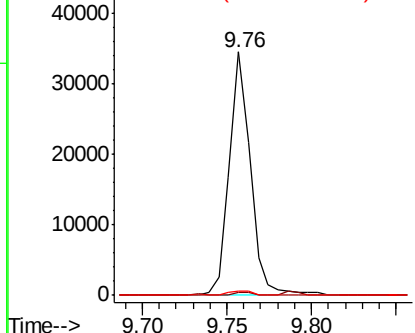
#51
 2,6-Dinitrotoluene
 Concen: 7.466 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF119317.D
 Acq: 10 Mar 2020 15:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.3	51.5#
89	1.6	38.3	57.5#



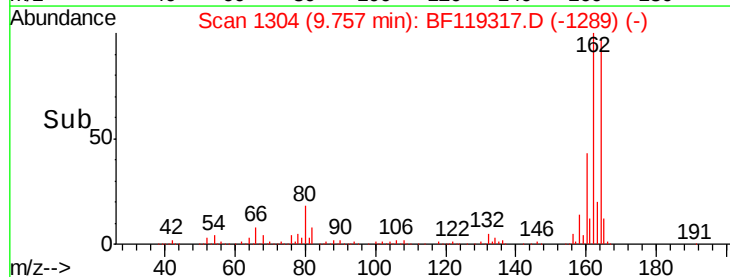
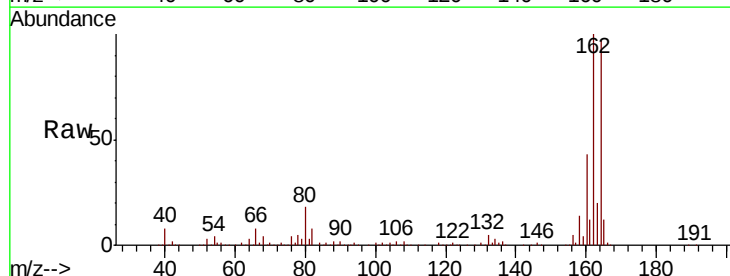
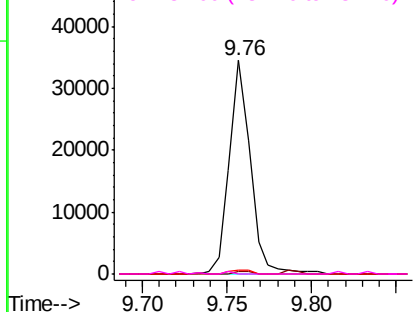
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

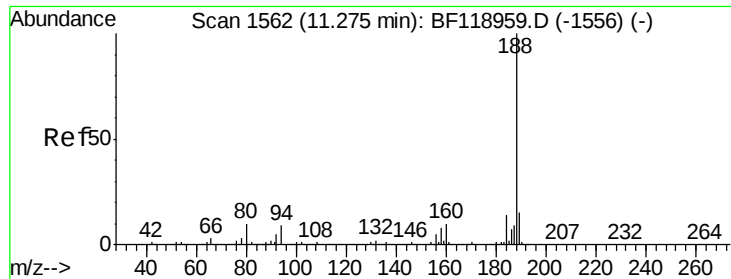


#57
 2,4-Dinitrotoluene
 Concen: 5.760 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF119317.D
 Acq: 10 Mar 2020 15:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.3	63.5#
89	1.6	60.2	90.4#
182	0.0	2.3	3.5#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

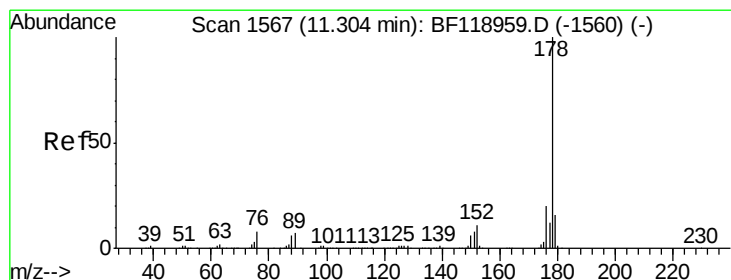
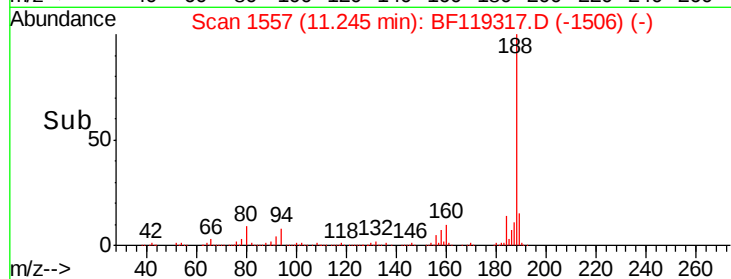
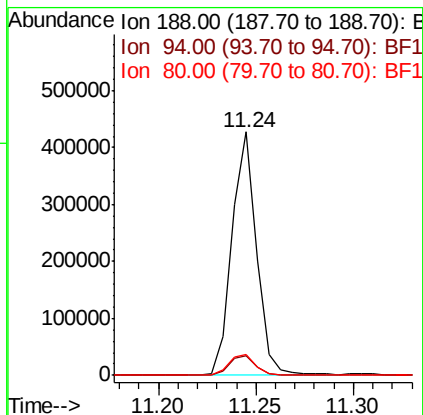
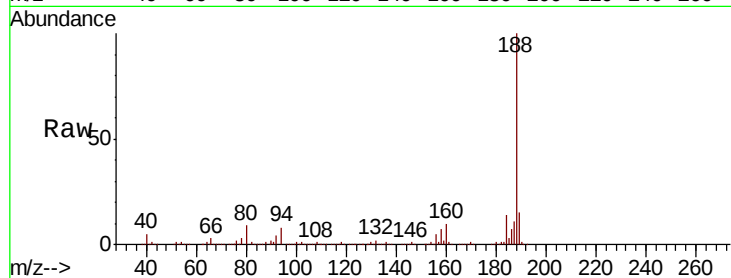




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

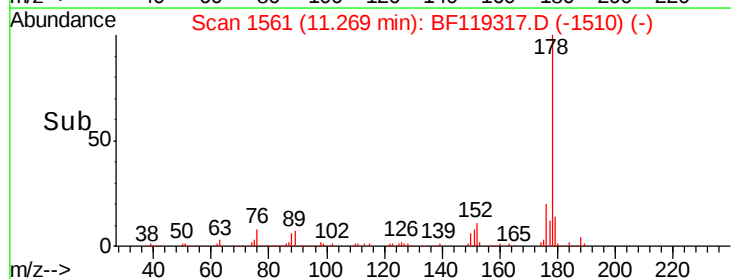
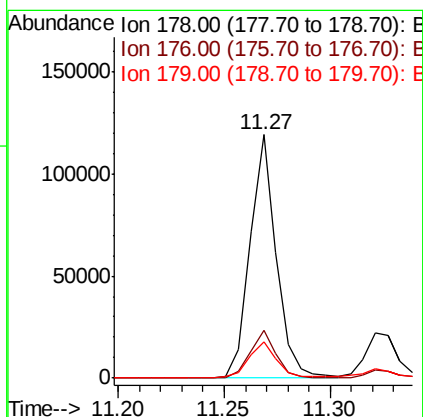
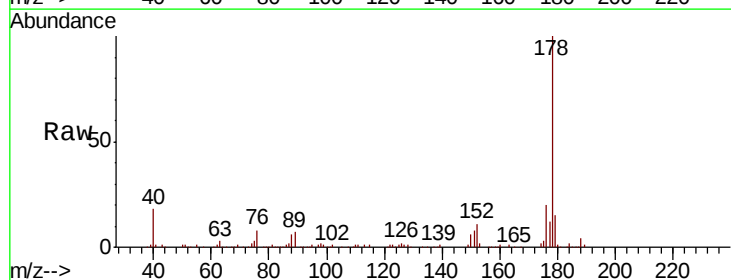
Instrument :
BNA_F
ClientSampled :

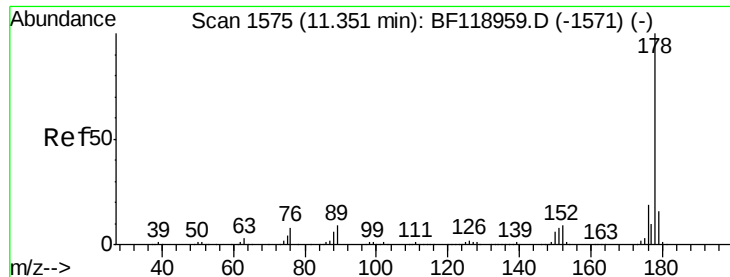
Tot Ion:188 Resp: 373950
Ion Ratio Lower Upper
188 100
94 8.0 7.1 10.7
80 8.7 7.8 11.8



#71
Phenanthrene
Concen: 5.088 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

Tgt Ion:178 Resp: 103765
Ion Ratio Lower Upper
178 100
176 19.6 16.5 24.7
179 14.7 13.0 19.6

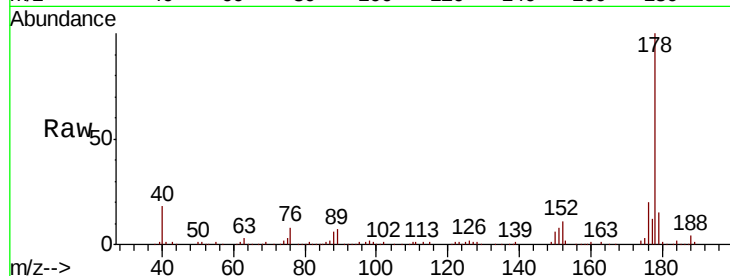




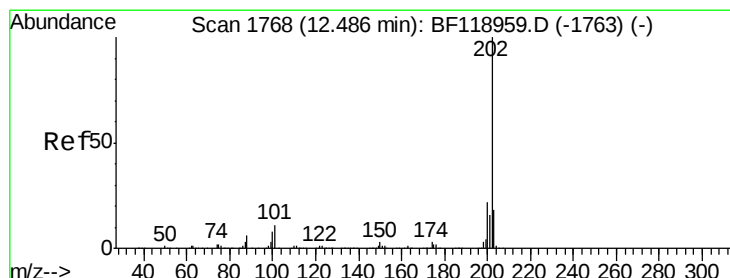
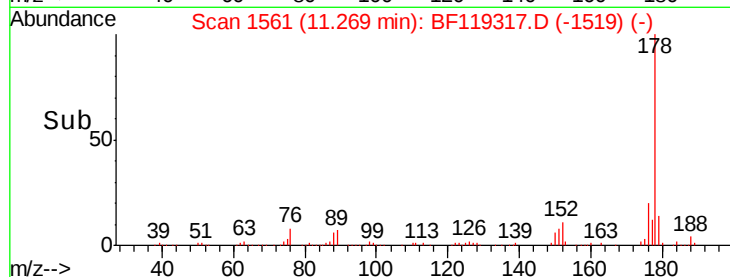
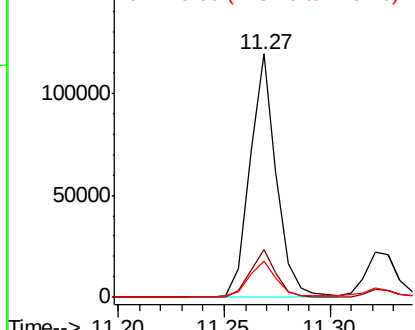
#72
 Anthracene
 Concen: 5.092 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.05 min
 Lab File: BF119317.D
 Acq: 10 Mar 2020 15:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	14.7	13.1	19.7

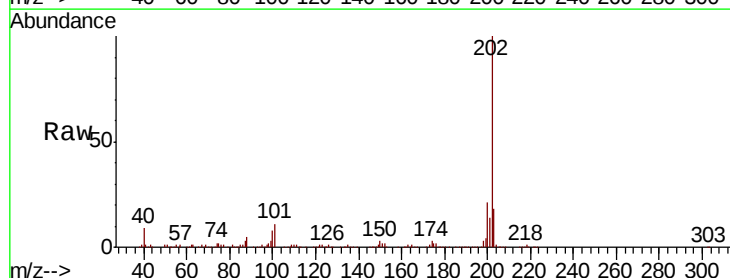


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

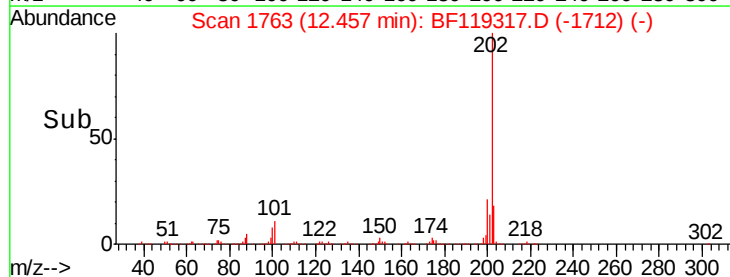
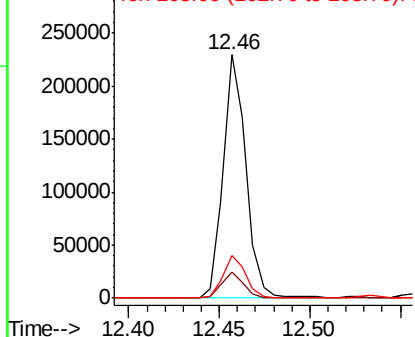


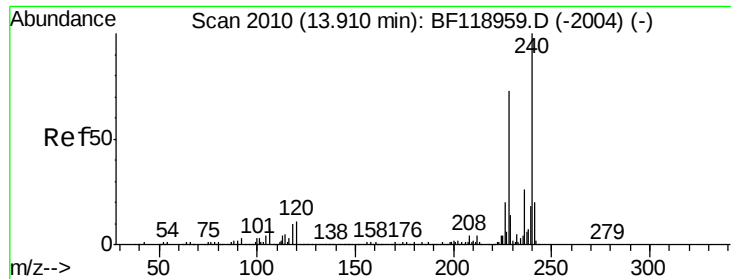
#75
 Fluoranthene
 Concen: 9.324 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: BF119317.D
 Acq: 10 Mar 2020 15:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.3
203	17.7	0.0	38.4



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

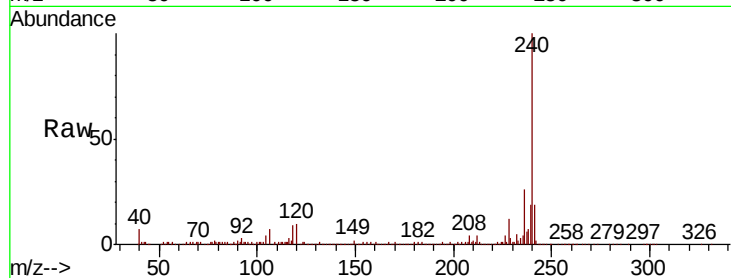




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.4	12.6
236	26.2	21.0	31.4

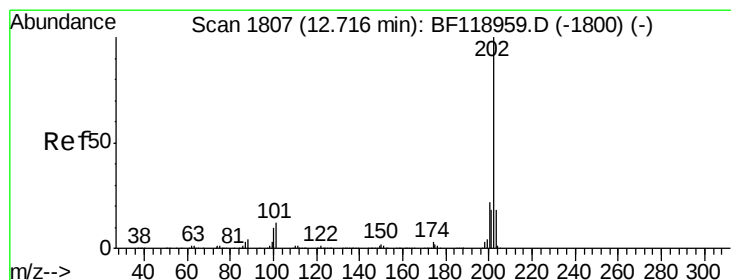
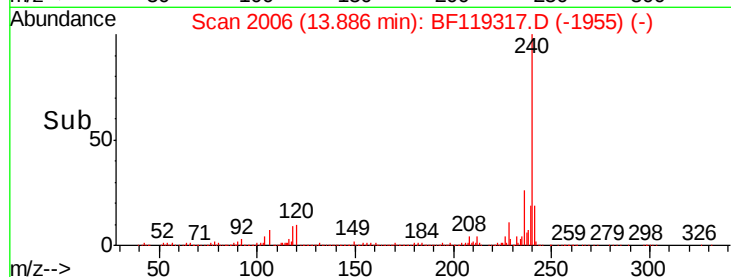
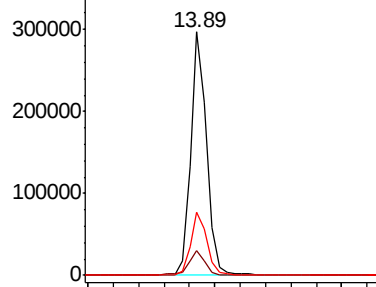


Abundance

Ion 240.00 (239.70 to 240.70): E

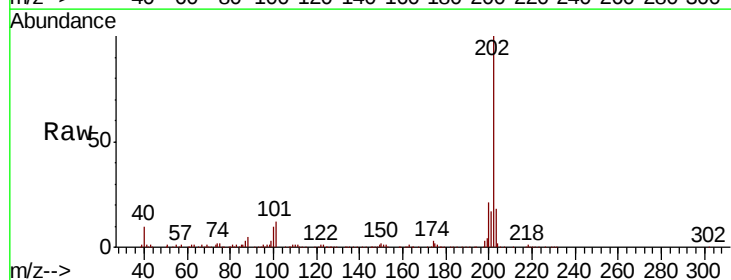
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 8.525 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.0	27.0
203	18.0	14.6	22.0

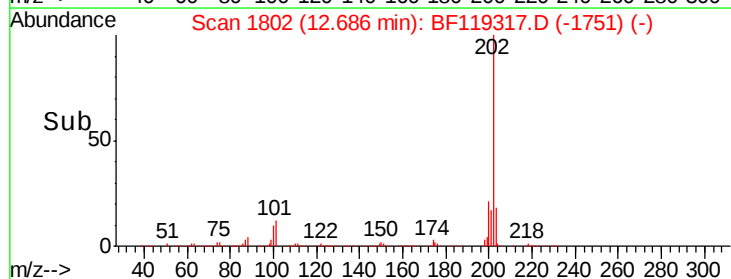
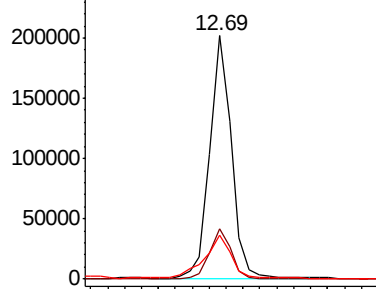


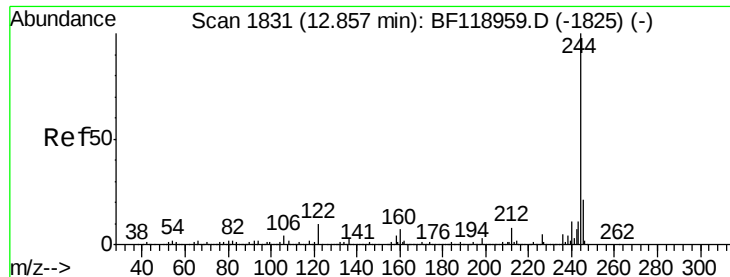
Abundance

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: 29.443 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119317.D

Acq: 10 Mar 2020 15:23

Instrument :

BNA_F

ClientSampleId :

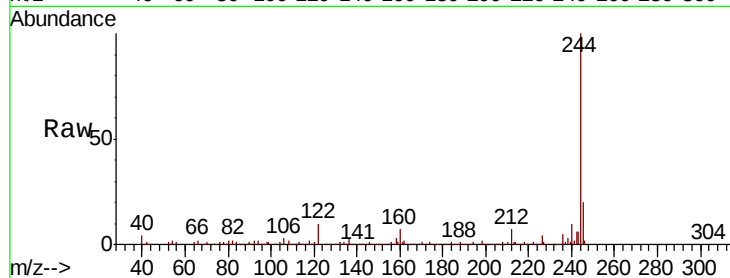
Tot Ion:244 Resp: 450552

Ion Ratio Lower Upper

244 100

212 7.2 6.6 10.0

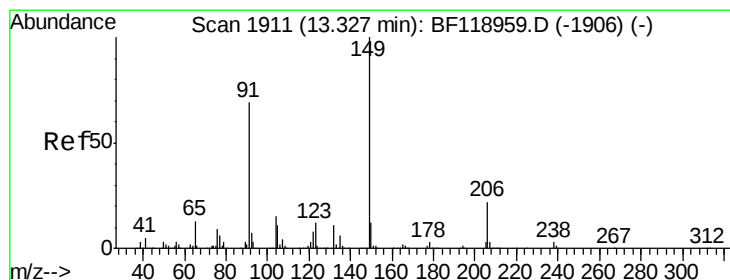
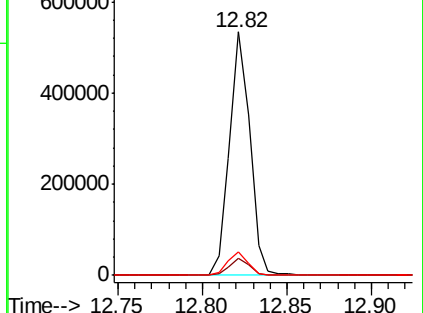
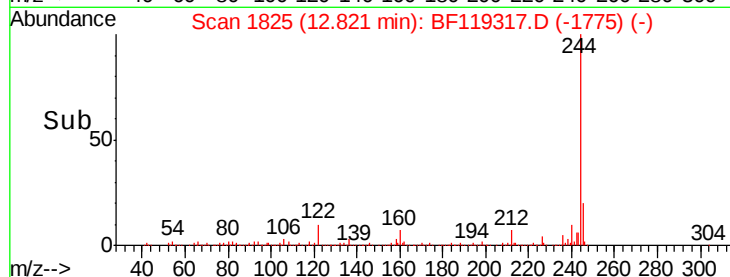
122 9.8 8.2 12.2



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



#80

Butylbenzylphthalate

Concen: 20.559 ng

RT: 13.29 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BF119317.D

Acq: 10 Mar 2020 15:23

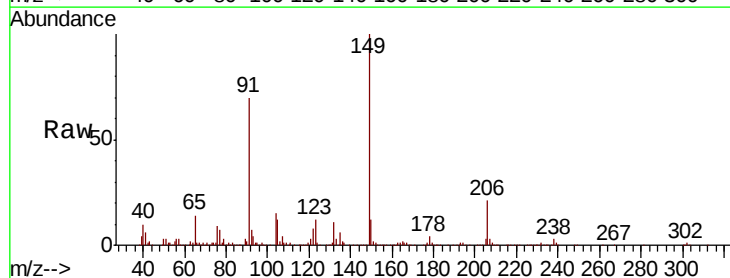
Tgt Ion:149 Resp: 183051

Ion Ratio Lower Upper

149 100

91 70.0 52.3 78.5

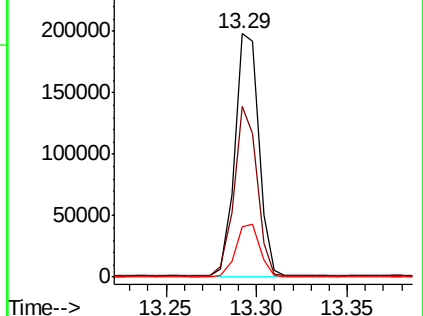
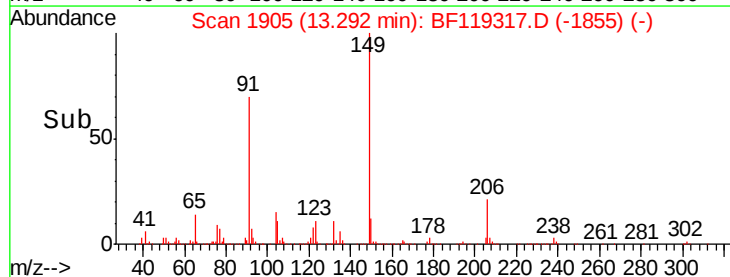
206 20.7 18.5 27.7

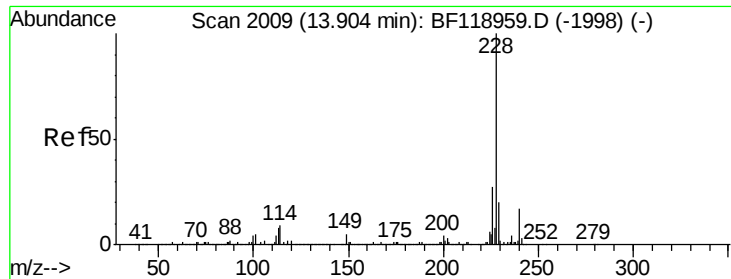


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

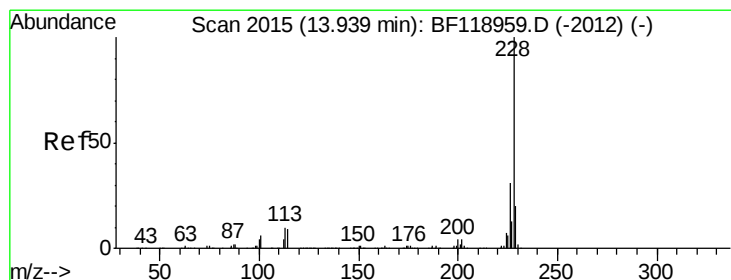
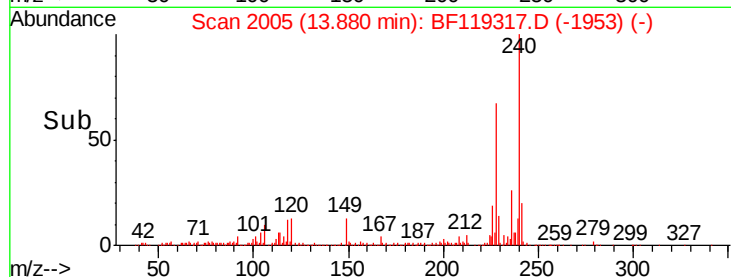
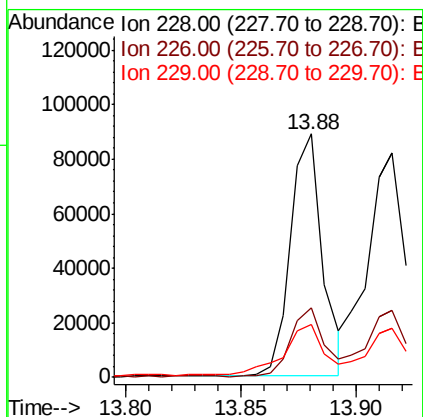
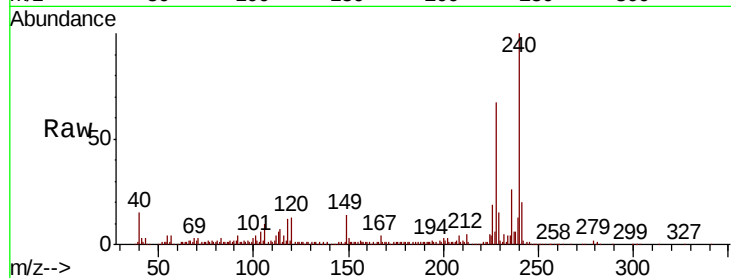




#81
Benzo(a)anthracene
Concen: 4.780 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

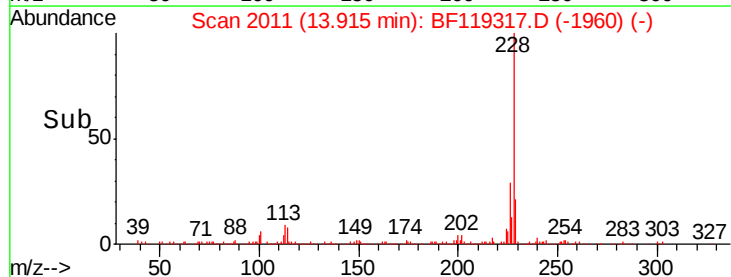
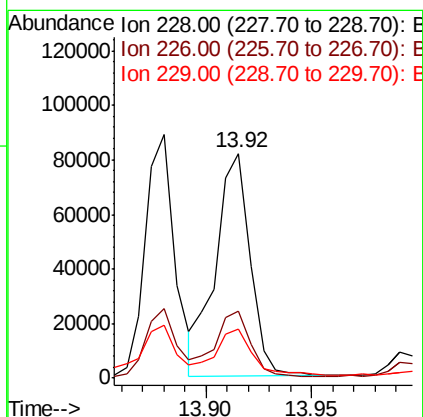
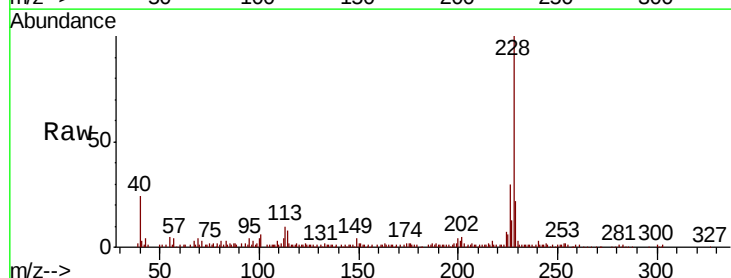
Instrument :
BNA_F
ClientSampled :

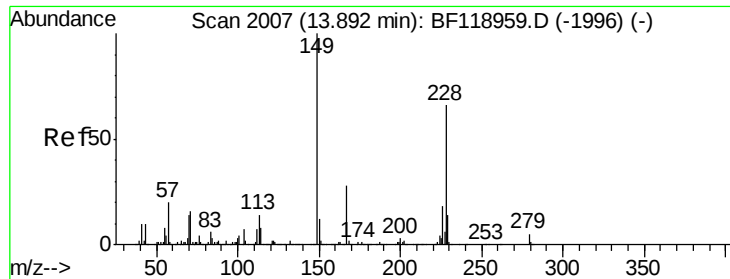
Tot Ion:228 Resp: 85807
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 21.7 16.6 24.8



#83
Chrysene
Concen: 5.196 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

Tgt Ion:228 Resp: 92934
Ion Ratio Lower Upper
228 100
226 29.6 25.1 37.7
229 21.9 16.3 24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 203.296 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BF119317.D

Acq: 10 Mar 2020 15:23

Instrument :

BNA_F

ClientSampled :

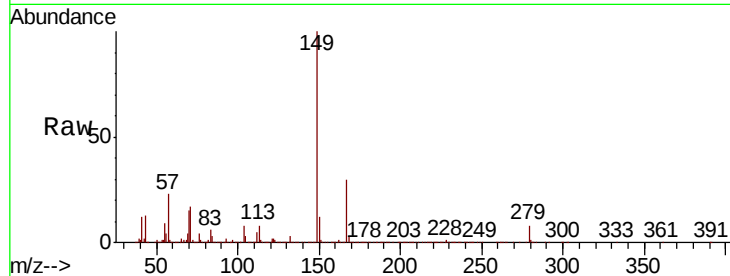
Tot Ion:149 Resp: 2286824

Ion Ratio Lower Upper

149 100

167 29.7 22.8 34.2

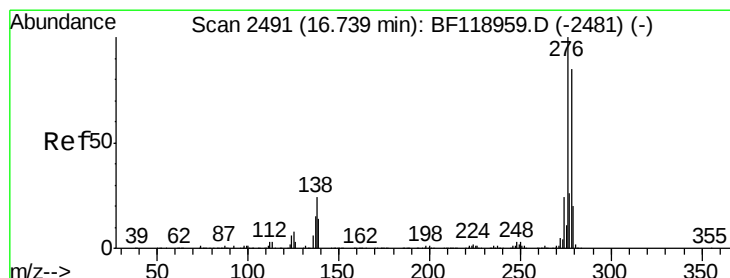
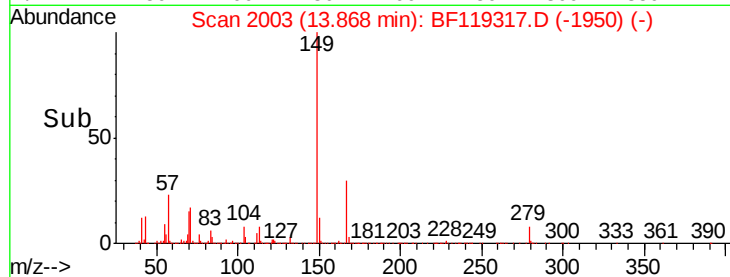
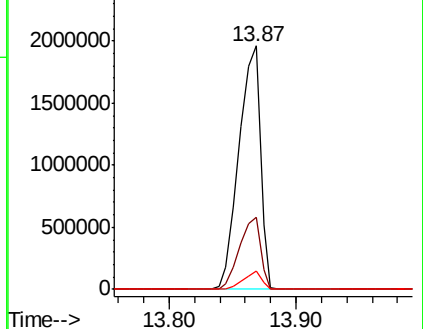
279 7.7 4.6 6.8#



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: 2.516 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.03 min

Lab File: BF119317.D

Acq: 10 Mar 2020 15:23

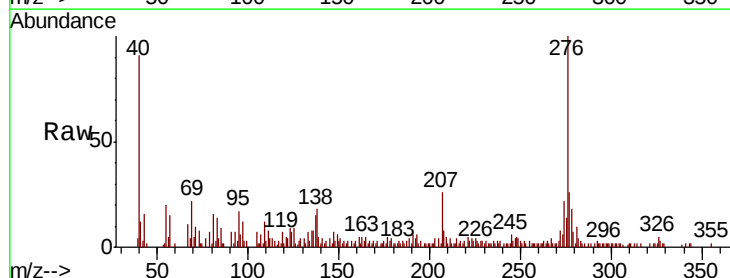
Tgt Ion:276 Resp: 43580

Ion Ratio Lower Upper

276 100

138 16.5 17.4 26.0#

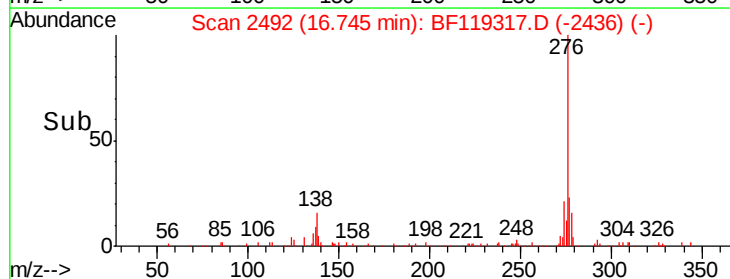
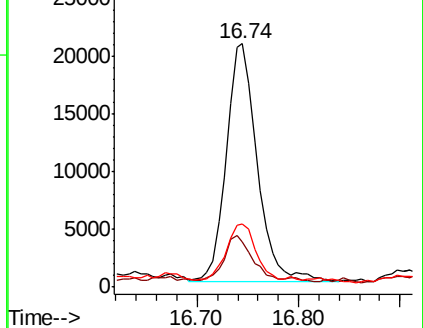
277 22.4 20.3 30.5

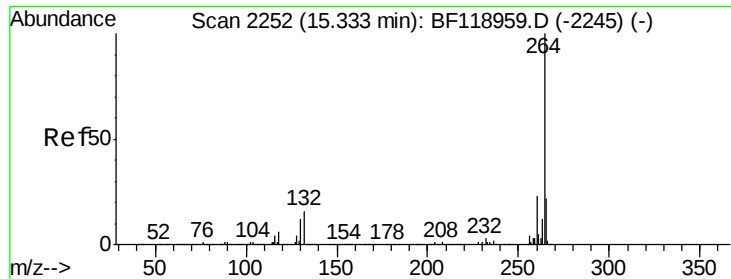


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

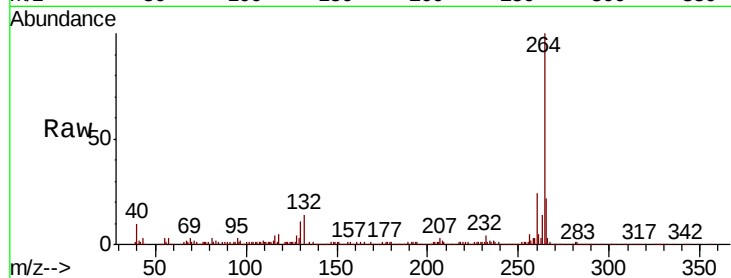




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	22.4	17.7	26.5

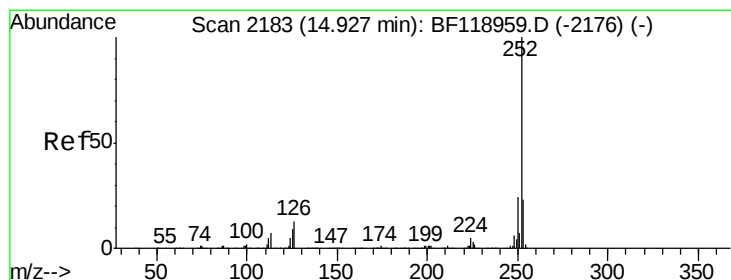
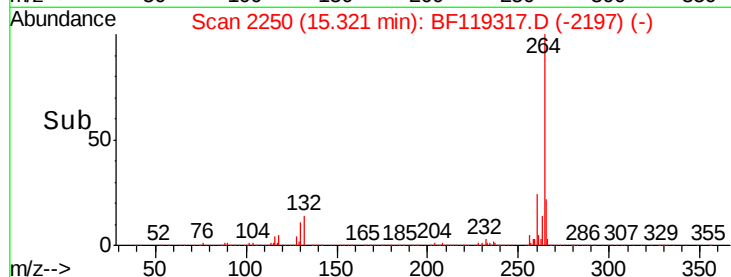
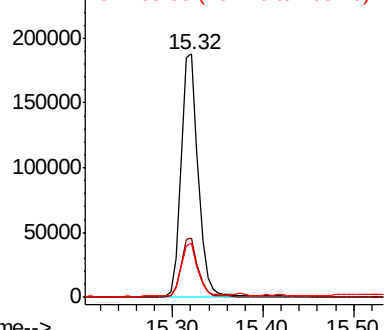


Abundance

Ion 264.00 (263.70 to 264.70): E

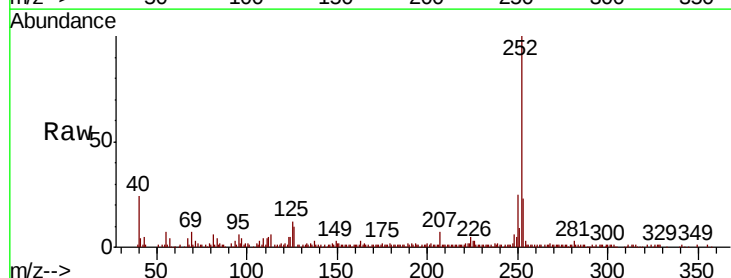
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 9.181 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	11.7	7.4	11.0#

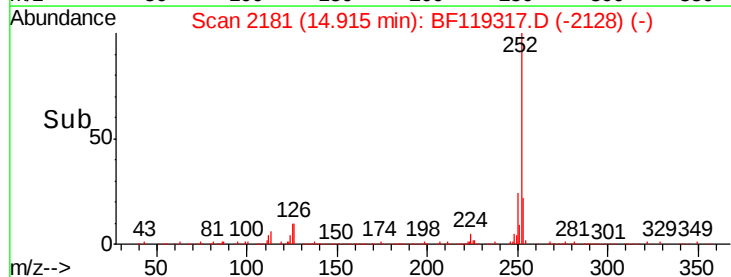
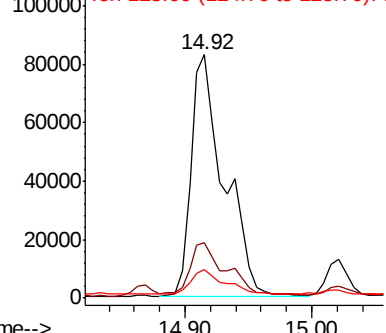


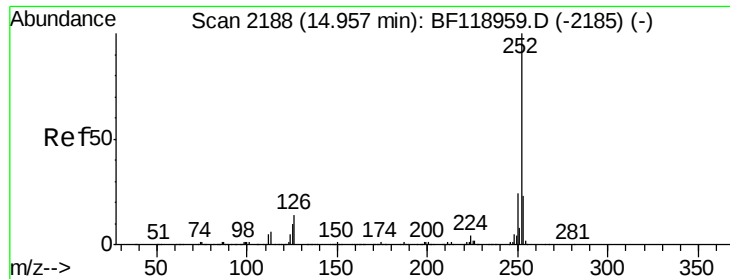
Abundance

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

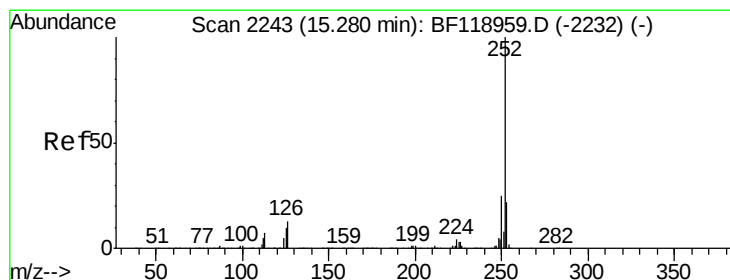
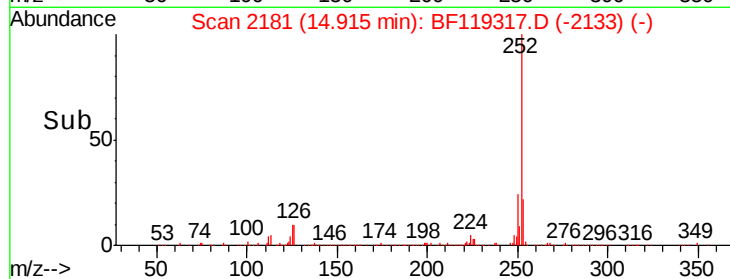
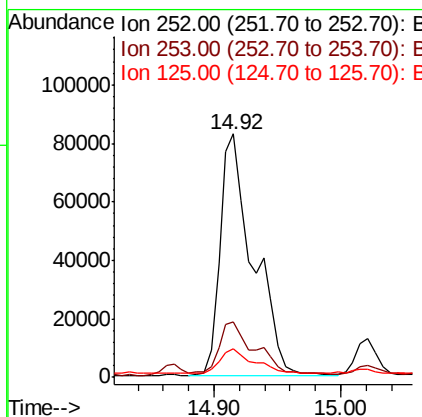
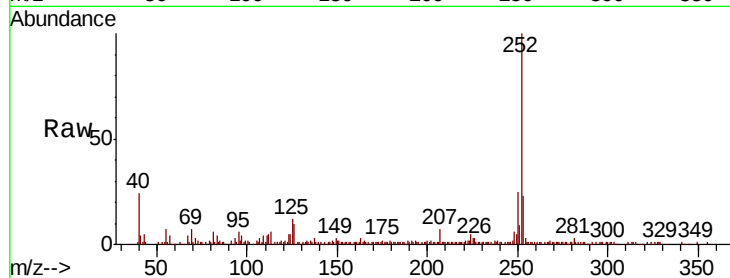




#89
Benzo(k)fluoranthene
Concen: 9.907 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

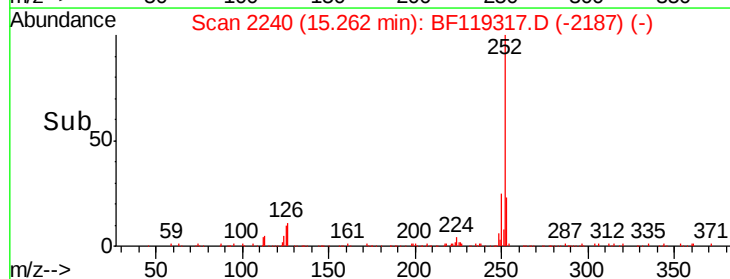
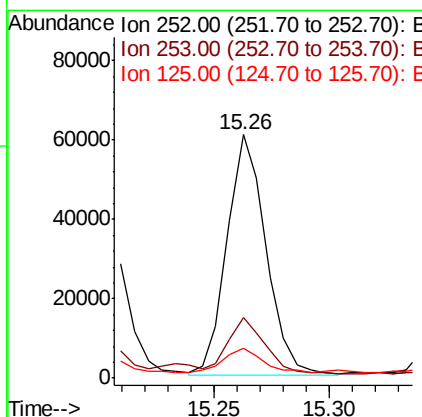
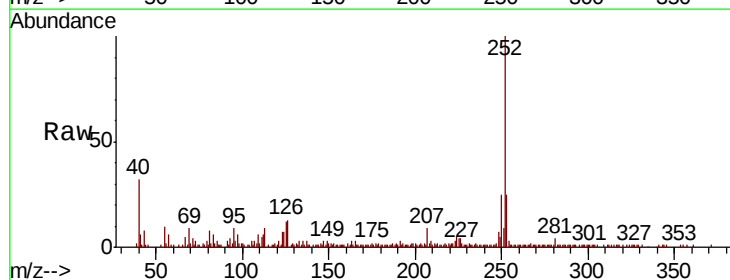
Instrument :
BNA_F
ClientSampleId :

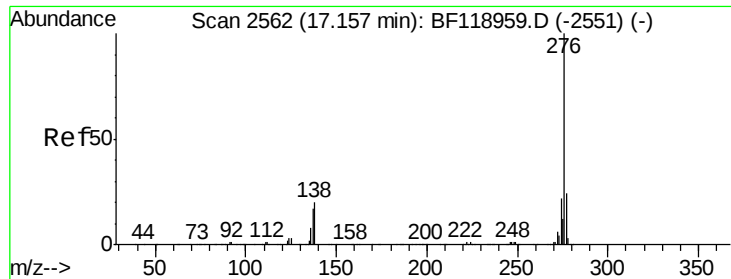
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	11.7	7.5	11.3



#90
Benzo(a)pyrene
Concen: 4.853 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119317.D
Acq: 10 Mar 2020 15:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	12.2	8.6	12.8





#92
 Benzo(a,h,i)perylene
 Concen: 3.133 ng
 RT: 17.17 min Scan# 2564
 Delta R.T. 0.03 min
 Lab File: BF119317.D
 Acq: 10 Mar 2020 15:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.7	28.1
138	19.2	14.3	21.5

