

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\
 Data File : BF119238.D
 Acq On : 6 Mar 2020 3:53
 Operator : CG/JU
 Sample : L1792-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 06:33:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	165398	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	646769	20.00	ng	-0.03
39) Acenaphthene-d10	9.76	164	340284	20.00	ng	-0.03
64) Phenanthrene-d10	11.24	188	565153	20.00	ng	-0.02
76) Chrysene-d12	13.88	240	313449	20.00	ng	-0.02
87) Perylene-d12	15.30	264	355137	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	819692	82.82	ng	-0.01
7) Phenol-d6	6.38	99	1003375	83.36	ng	-0.02
23) Nitrobenzene-d5	7.29	82	672840	54.93	ng	-0.04
42) 2,4,6-Tribromophenol	10.55	330	324361	72.87	ng	-0.02
45) 2-Fluorobiphenyl	9.08	172	1237656	53.58	ng	-0.03
79) Terphenyl-d14	12.82	244	1106325	60.77	ng	-0.03

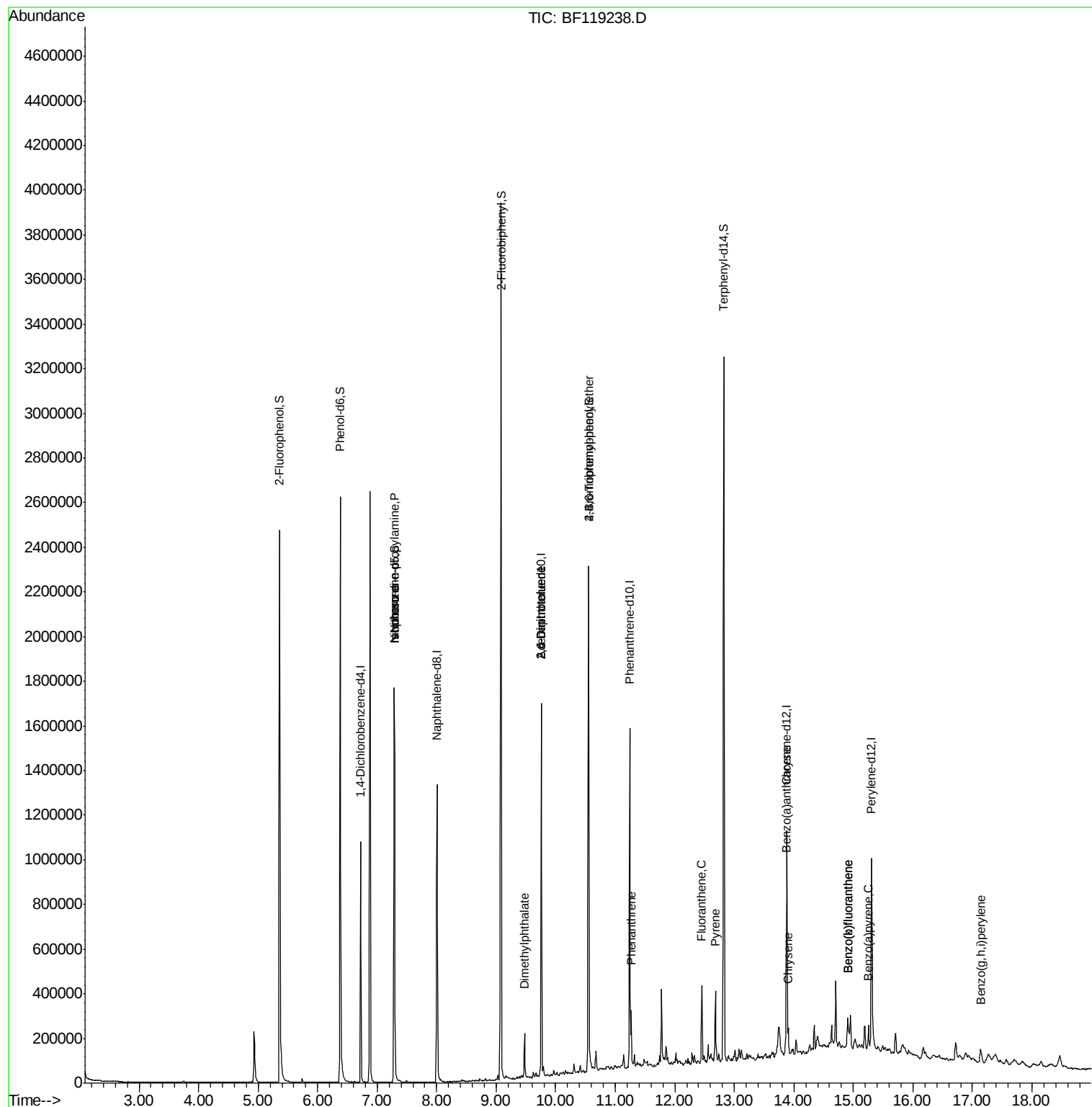
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	93878	13.385	ng	# 76
25) Isophorone	7.29	82	672834	31.628	ng	# 63
50) Dimethylphthalate	9.47	163	77830	2.991	ng	99
51) 2,6-Dinitrotoluene	9.76	165	43991	7.609	ng	# 33
57) 2,4-Dinitrotoluene	9.76	165	43991	5.871	ng	# 21
67) 4-Bromophenyl-phenylether	10.55	248	21176	2.867	ng	# 1
71) Phenanthrene	11.26	178	90521	2.937	ng	98
75) Fluoranthene	12.46	202	152670	4.667	ng	97
78) Pyrene	12.68	202	131852	5.239	ng	97
81) Benzo(a)anthracene	13.87	228	55053	2.578	ng	97
83) Chrysene	13.91	228	47990	2.255	ng	99
88) Benzo(b)fluoranthene	14.90	252	92517	3.952	ng	# 96
89) Benzo(k)fluoranthene	14.90	252	92517	4.265	ng	# 96
90) Benzo(a)pyrene	15.25	252	50533	2.392	ng	98
92) Benzo(a,h,i)perylene	17.14	276	38296	2.085	ng	# 89

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

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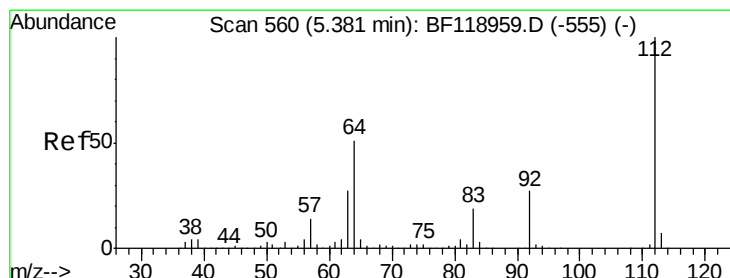
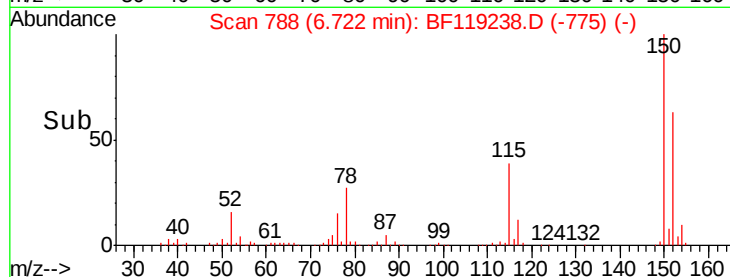
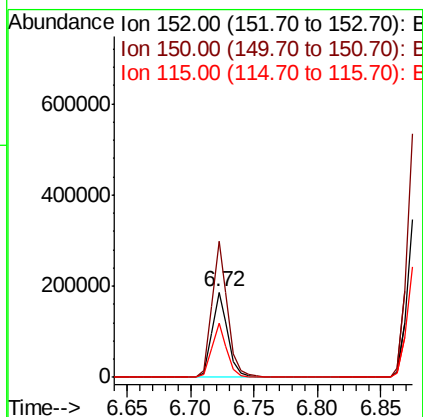
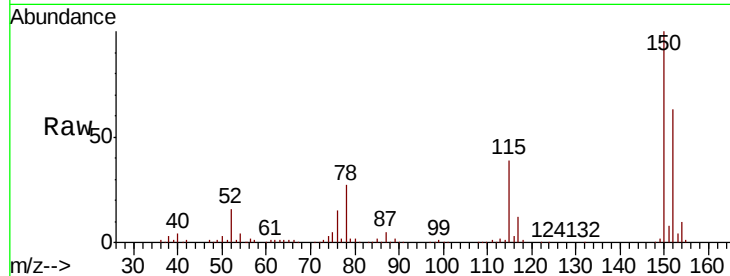


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.02 min
 Lab File: BF119238.D
 Acq: 6 Mar 2020 3:53

Instrument :
 BNA_F
 ClientSampleId :

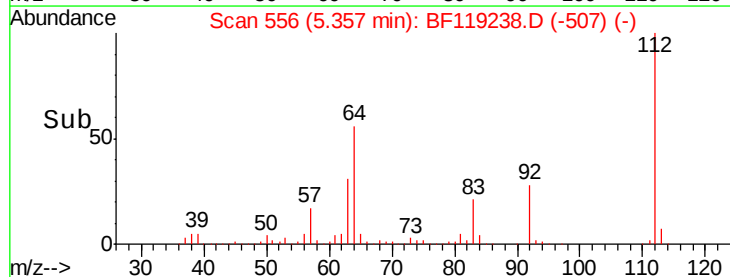
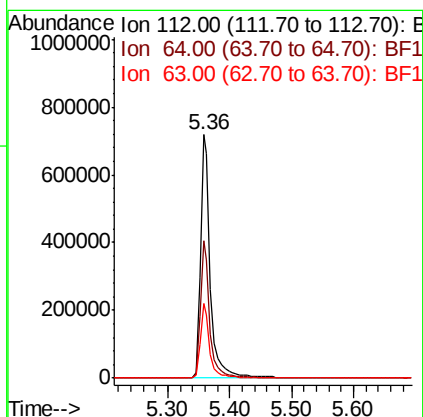
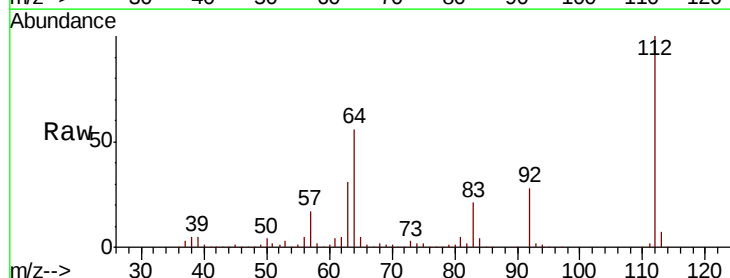
Tot Ion:152 Resp: 165398
 Ion Ratio Lower Upper
 152 100
 150 159.6 123.0 184.6
 115 62.9 49.5 74.3



#5

2-Fluorophenol
 Concen: 82.821 ng
 RT: 5.36 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: BF119238.D
 Acq: 6 Mar 2020 3:53

Tgt Ion:112 Resp: 819692
 Ion Ratio Lower Upper
 112 100
 64 56.4 45.0 67.4
 63 30.6 24.2 36.4





#7

Phenol-d6

Concen: 83.360 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119238.D

Acq: 6 Mar 2020 3:53

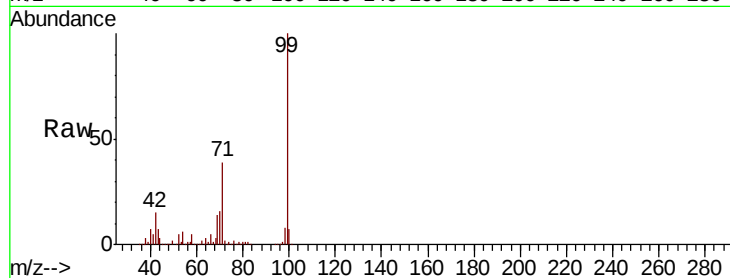
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1003375

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.6	18.8
71	38.8	31.0	46.4

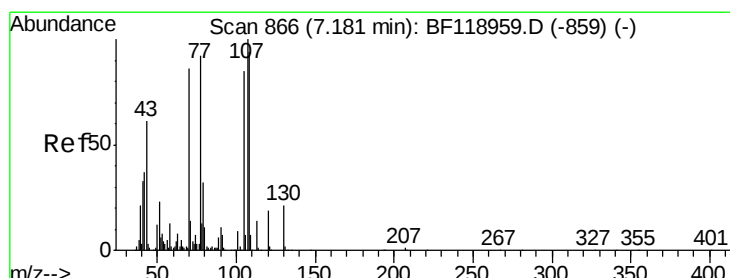
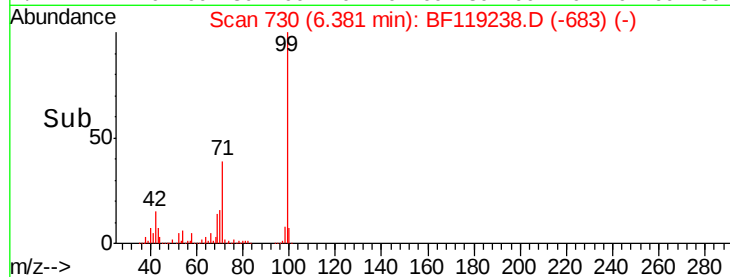


Abundance

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: 13.385 ng

RT: 7.29 min Scan# 884

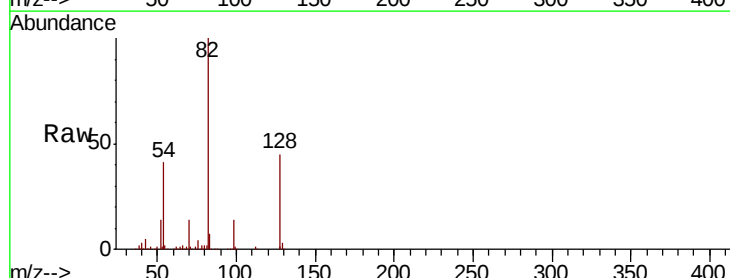
Delta R.T. 0.11 min

Lab File: BF119238.D

Acq: 6 Mar 2020 3:53

Tgt Ion: 70 Resp: 93878

Ion	Ratio	Lower	Upper
70	100		
42	37.9	38.0	57.0#
101	0.0	8.2	12.4#
130	2.1	18.2	27.4#



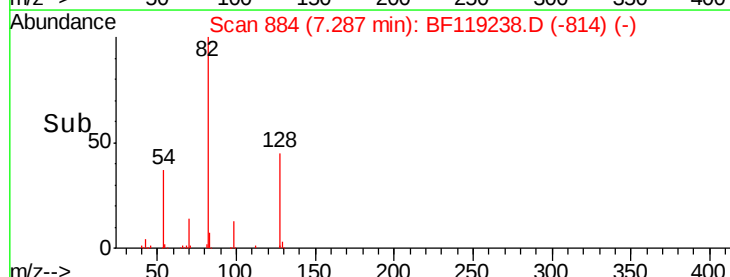
Abundance

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

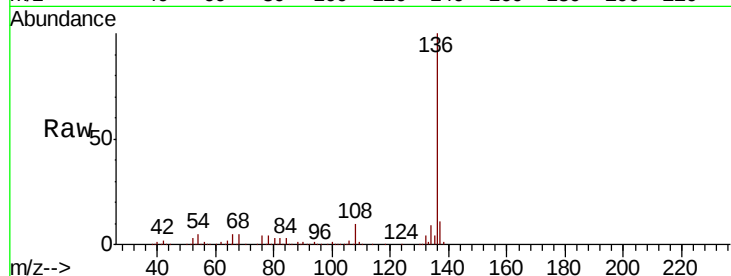




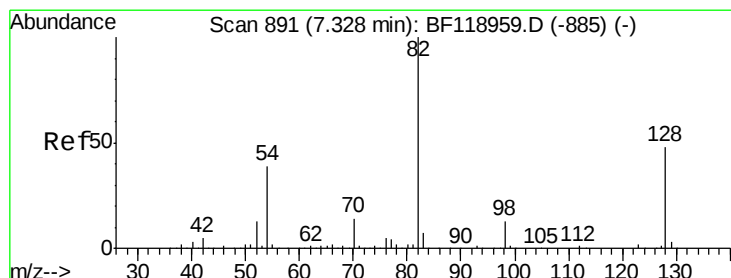
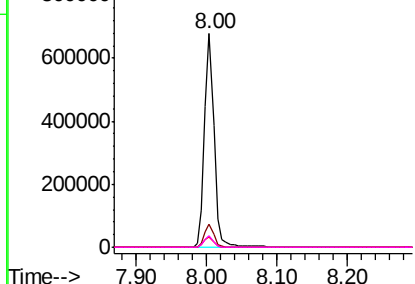
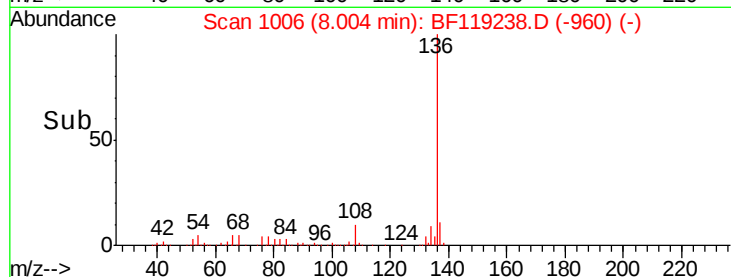
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	646769
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.8 13.2
54	5.0	3.8 5.6
68	5.4	3.9 5.9

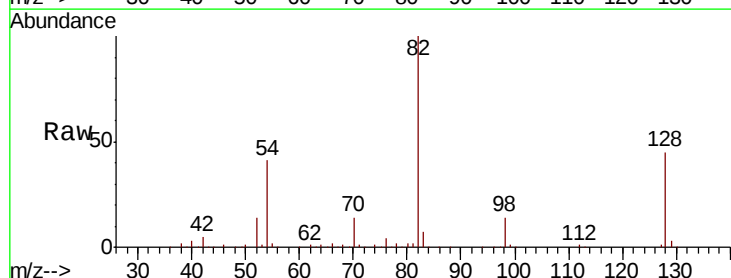


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

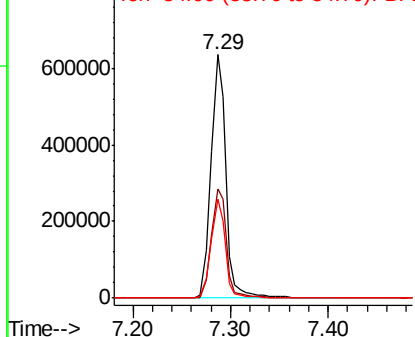
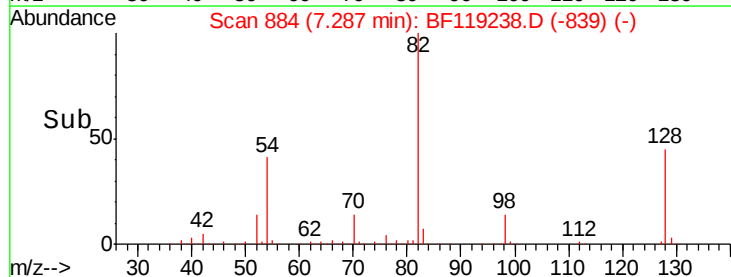


#23
Nitrobenzene-d5
Concen: 54.928 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

Tgt Ion: 82	Resp:	672840
Ion	Ratio	Lower Upper
82	100	
128	45.1	37.9 56.9
54	40.6	33.4 50.2



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





#25

Isophorone

Concen: 31.628 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF119238.D

Acq: 6 Mar 2020 3:53

Instrument :

BNA_F

ClientSampleId :

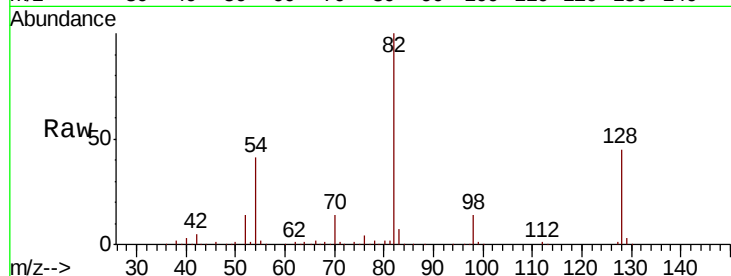
Tot Ion: 82 Resp: 672834

Ion Ratio Lower Upper

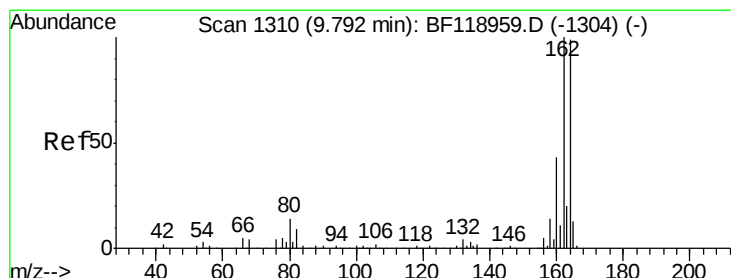
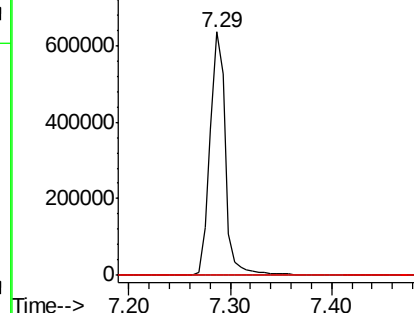
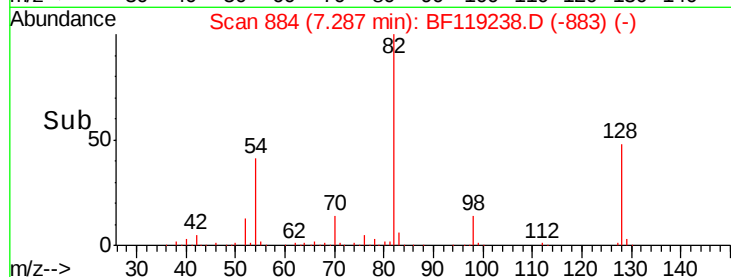
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF119238.D

Acq: 6 Mar 2020 3:53

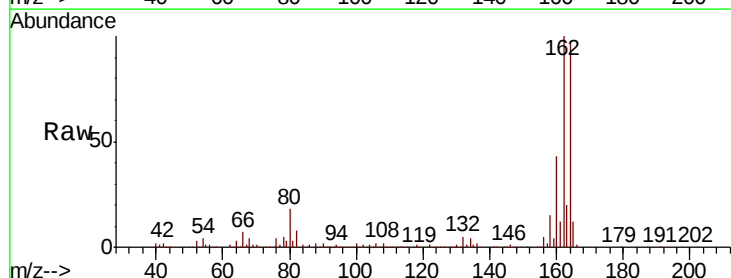
Tgt Ion: 164 Resp: 340284

Ion Ratio Lower Upper

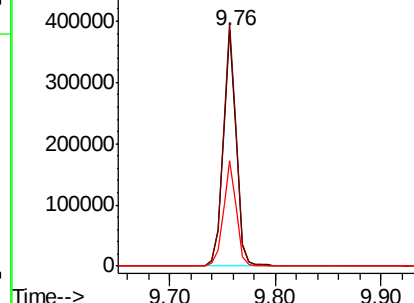
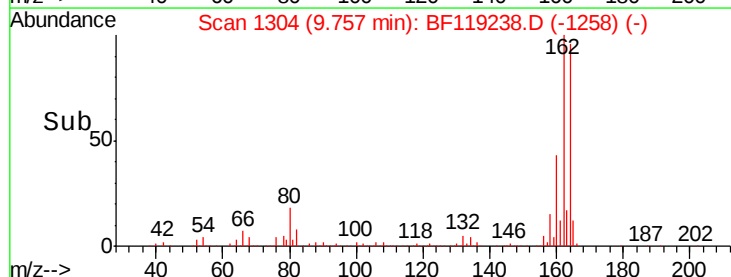
164 100

162 103.4 81.8 122.8

160 44.6 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

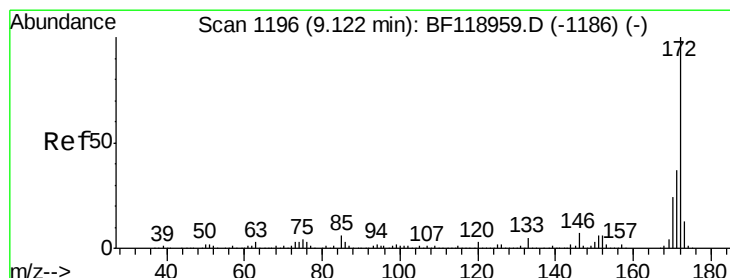
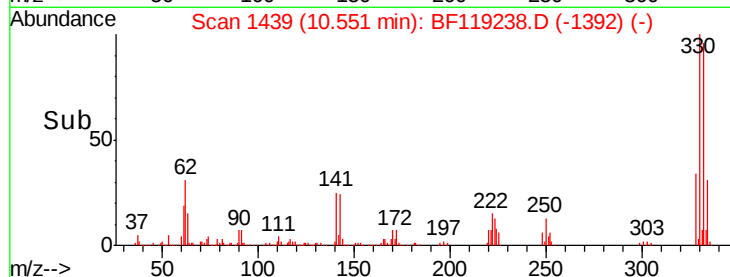
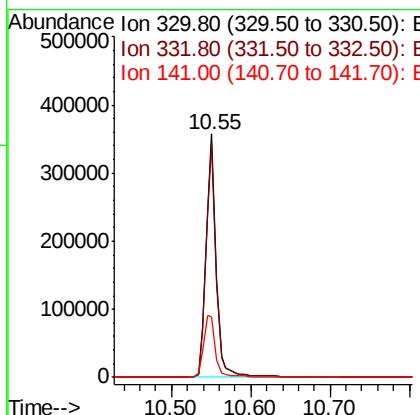
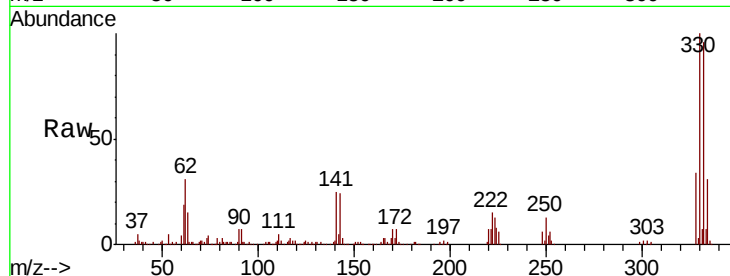




#42
 2,4,6-Tribromophenol
 Concen: 72.866 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF119238.D
 Acq: 6 Mar 2020 3:53

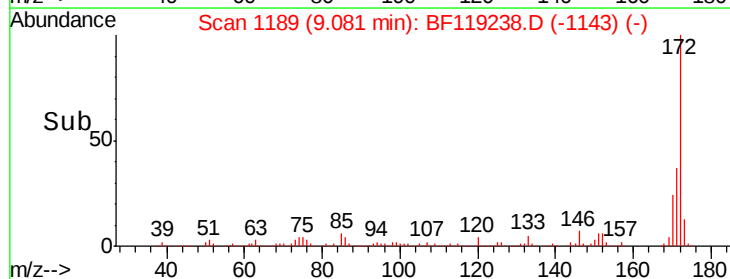
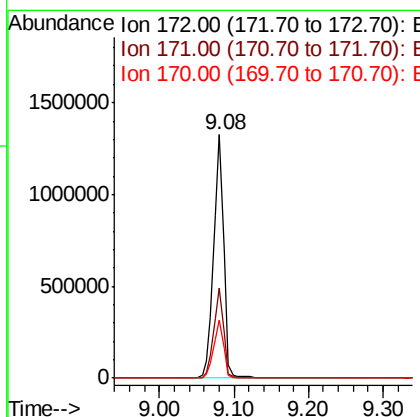
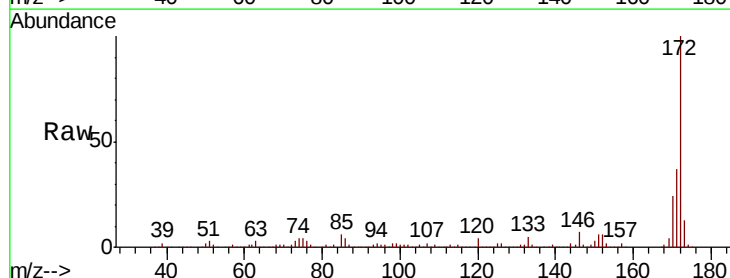
Instrument :
 BNA_F
 ClientSampleId :

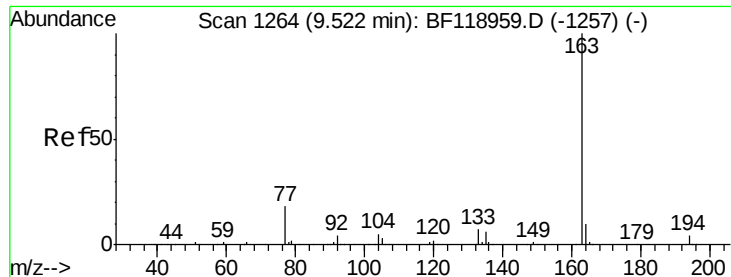
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.0	114.0
141	30.0	22.9	34.3



#45
 2-Fluorobiphenyl
 Concen: 53.581 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF119238.D
 Acq: 6 Mar 2020 3:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.6	45.8
170	23.9	20.2	30.2

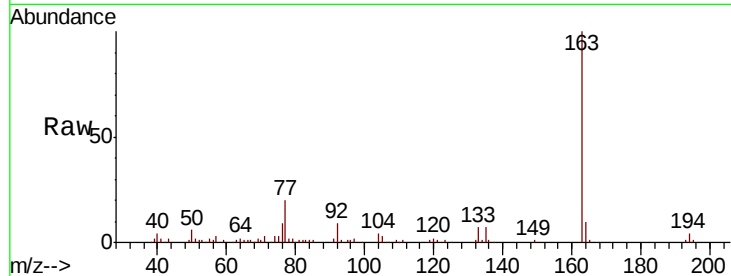




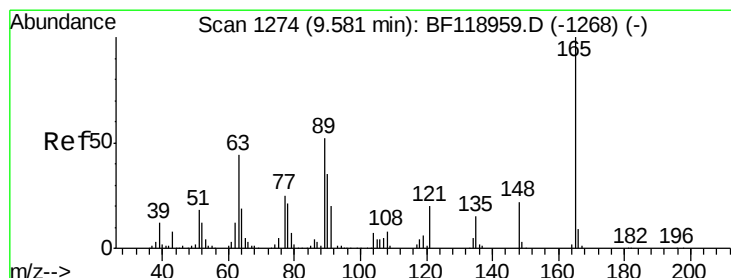
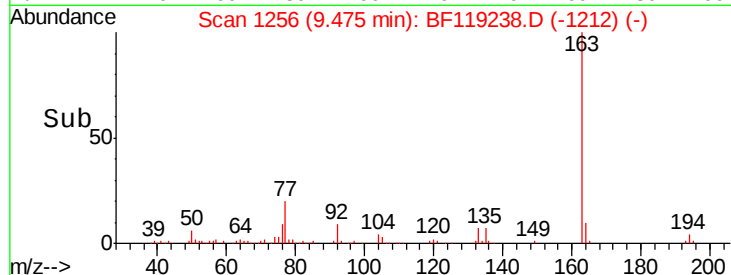
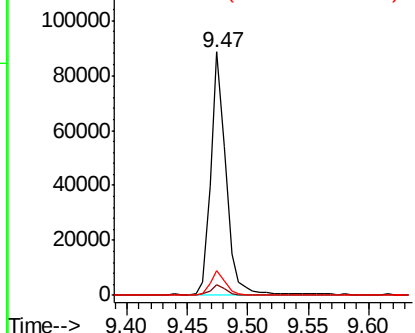
#50
Dimethylphthalate
Concen: 2.991 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 77830
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 10.1 8.4 12.6

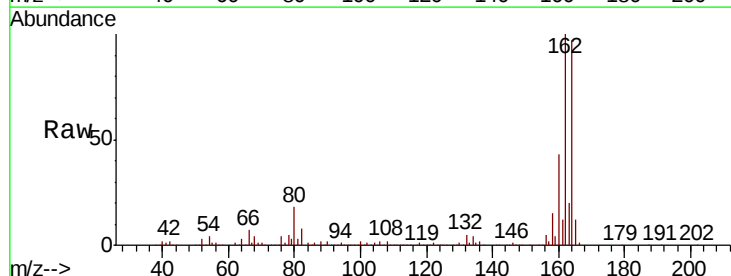


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

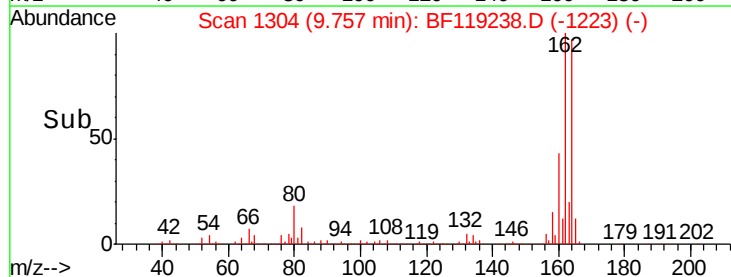
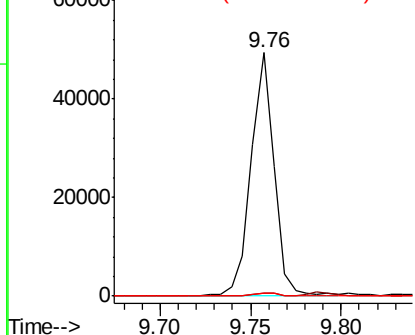


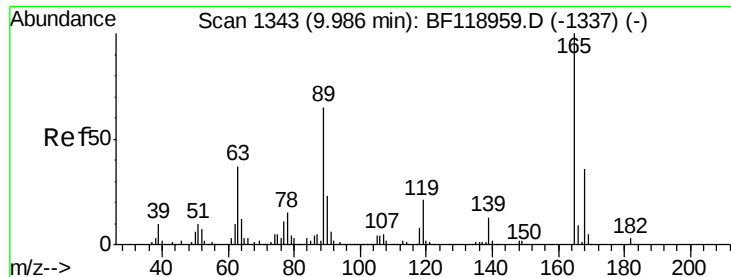
#51
2,6-Dinitrotoluene
Concen: 7.609 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.18 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

Tgt Ion:165 Resp: 43991
Ion Ratio Lower Upper
165 100
63 1.3 34.3 51.5#
89 1.4 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

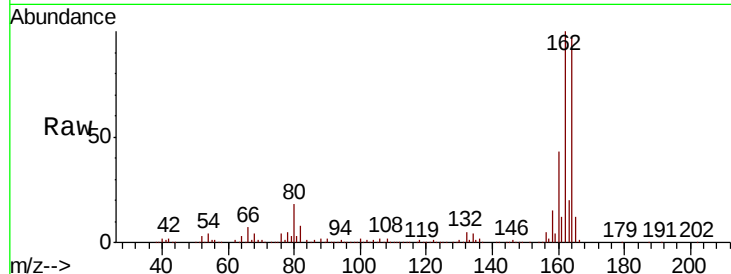




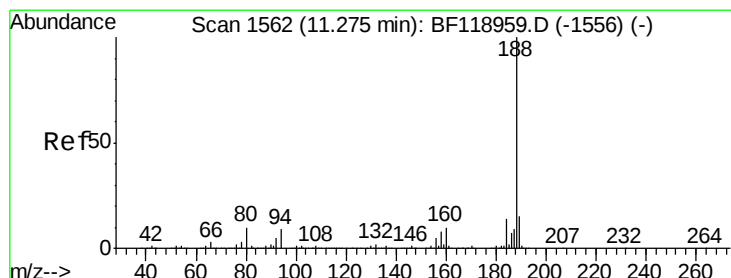
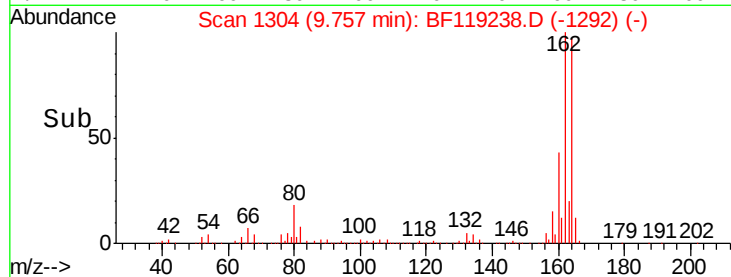
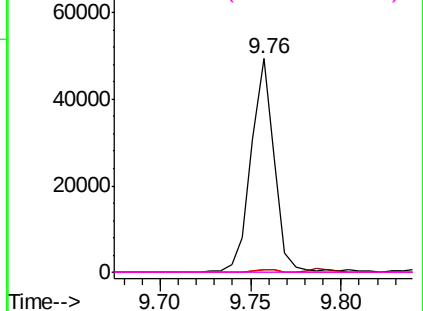
#57
 2,4-Dinitrotoluene
 Concen: 5.871 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.23 min
 Lab File: BF119238.D
 Acq: 6 Mar 2020 3:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	43991
Ion Ratio	Lower	Upper	
165	100		
63	1.3	42.3	63.5#
89	1.4	60.2	90.4#
182	0.0	2.3	3.5#

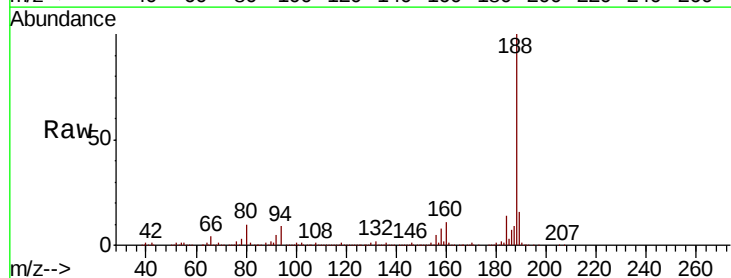


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

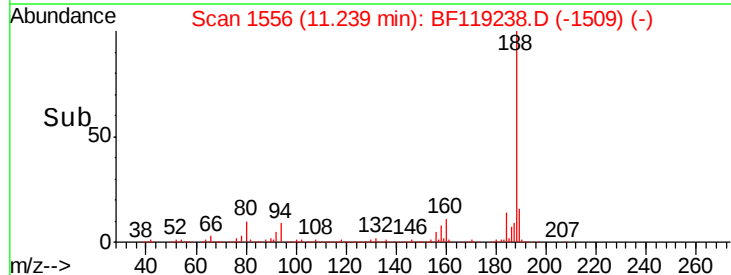
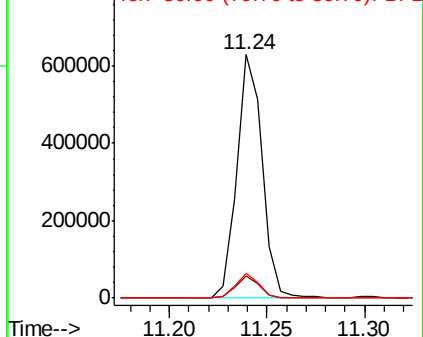


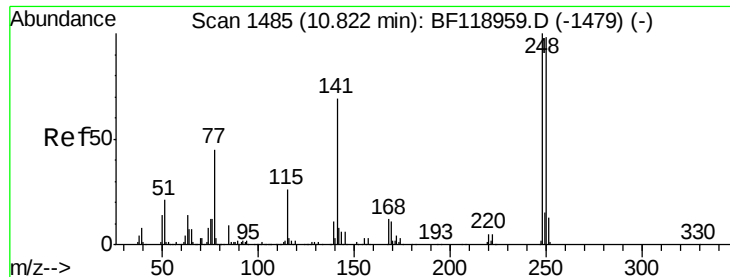
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF119238.D
 Acq: 6 Mar 2020 3:53

Tgt Ion:	188	Resp:	565153
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.1	10.7
80	10.1	7.8	11.8



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

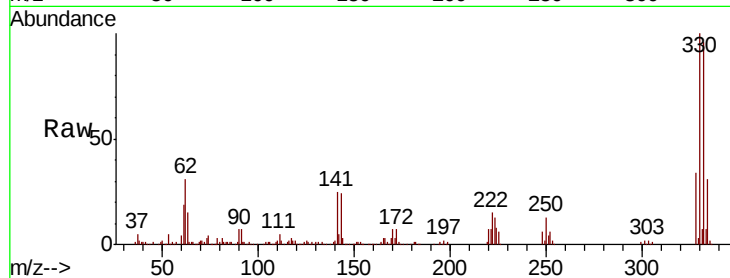




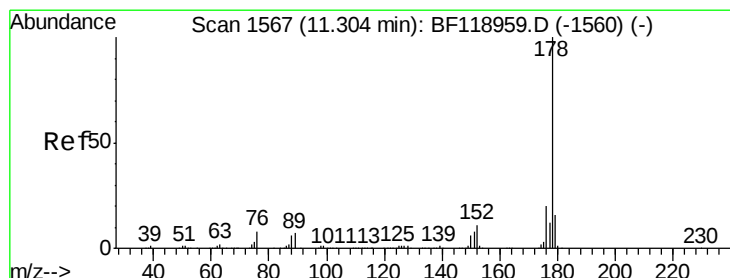
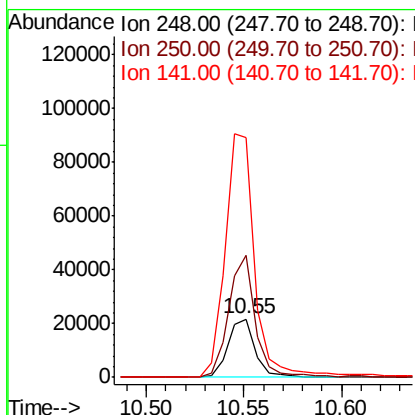
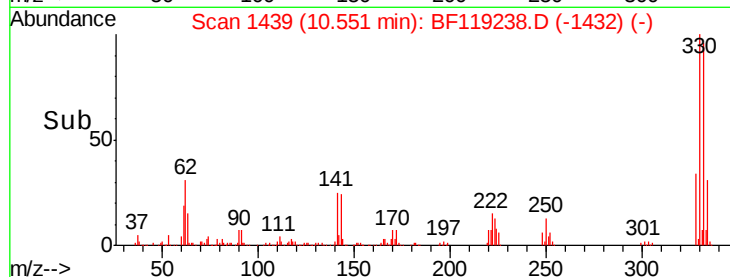
#67
4-Bromophenyl-phenylether
Concen: 2.867 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.26 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 21176
Ion Ratio Lower Upper
248 100
250 208.0 76.7 115.1#
141 409.7 60.7 91.1#

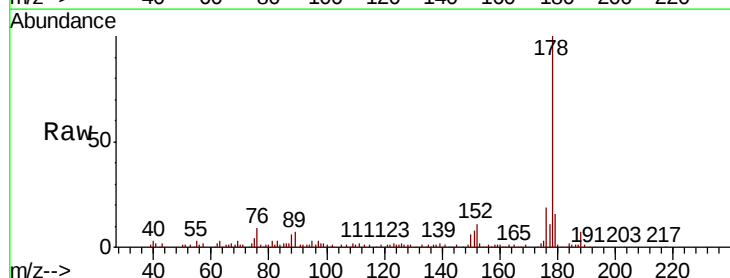


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

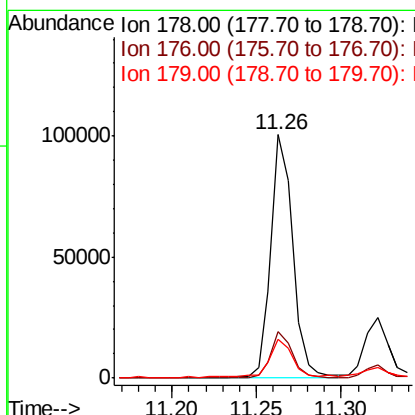
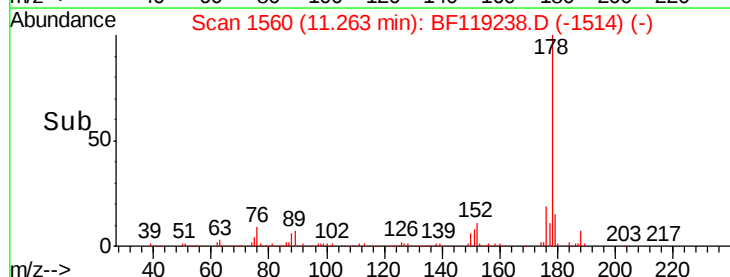


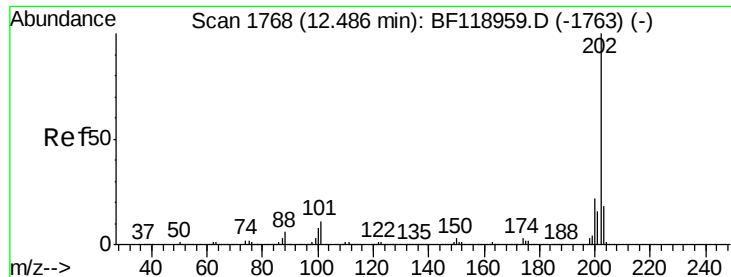
#71
Phenanthrene
Concen: 2.937 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

Tgt Ion:178 Resp: 90521
Ion Ratio Lower Upper
178 100
176 19.1 16.5 24.7
179 15.8 13.0 19.6



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: 4.667 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF119238.D

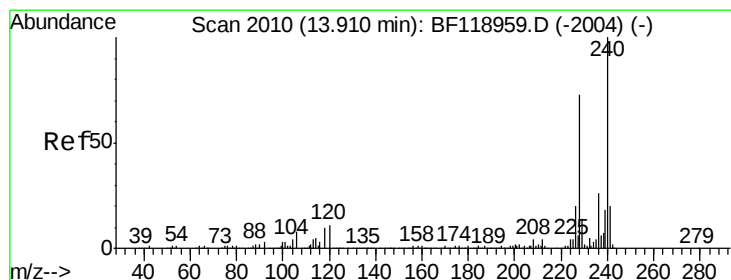
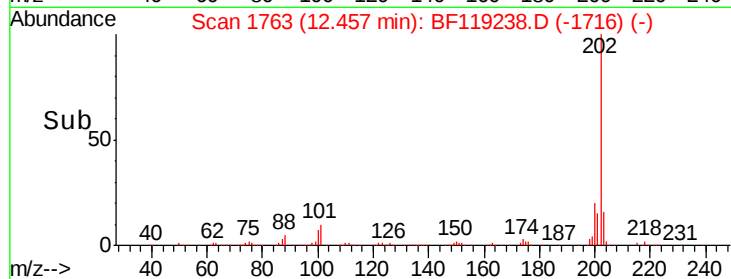
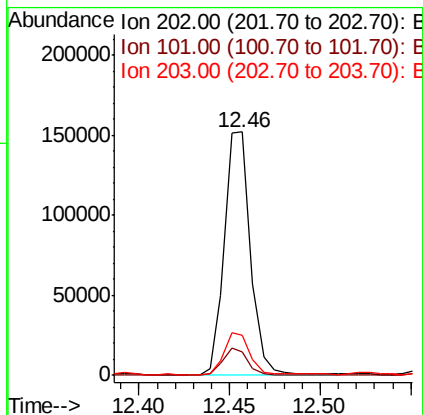
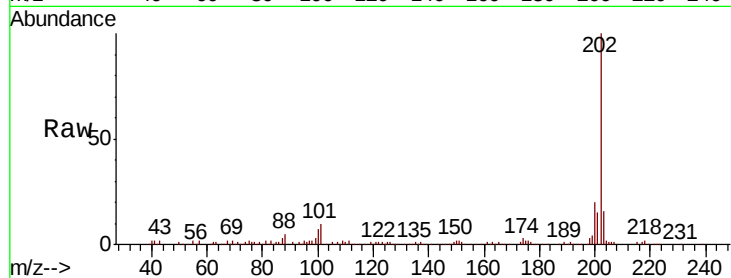
Acq: 6 Mar 2020 3:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	152670
Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.3
203	16.5	0.0	38.4



#76

Chrysene-d12

Concen: 20.000 ng

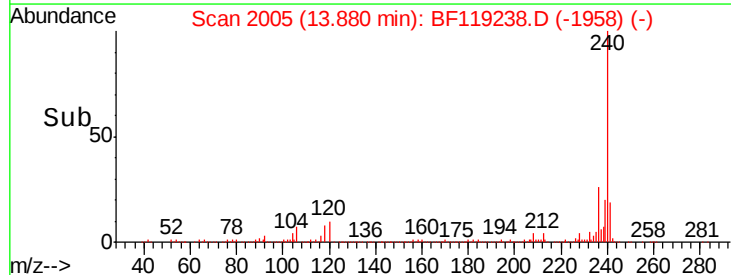
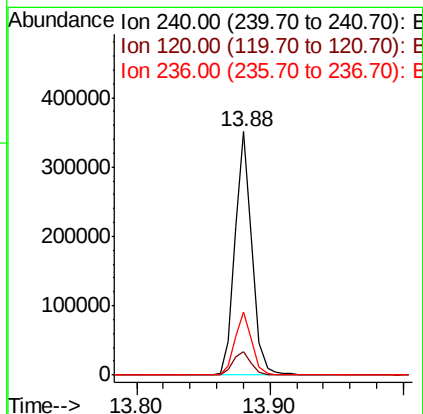
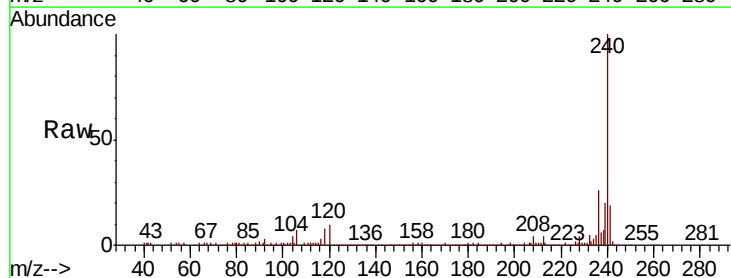
RT: 13.88 min Scan# 2005

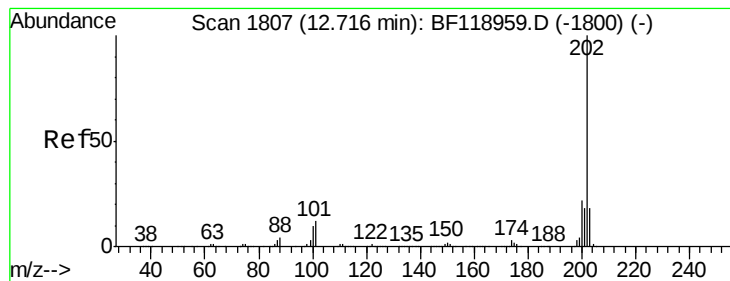
Delta R.T. -0.02 min

Lab File: BF119238.D

Acq: 6 Mar 2020 3:53

Tgt Ion:	240	Resp:	313449
Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.4	12.6
236	26.1	21.0	31.4





#78

Pvrene

Concen: 5.239 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.03 min

Lab File: BF119238.D

Acq: 6 Mar 2020 3:53

Instrument :

BNA_F

ClientSampleId :

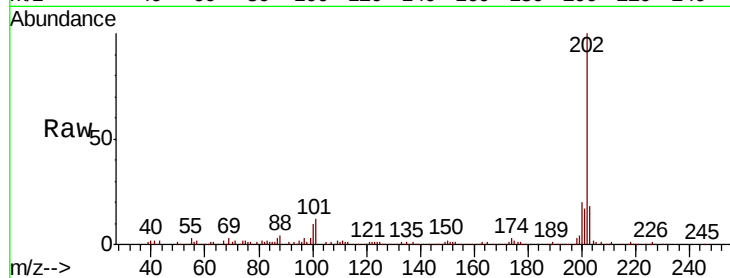
Tot Ion:202 Resp: 131852

Ion Ratio Lower Upper

202 100

200 20.2 18.0 27.0

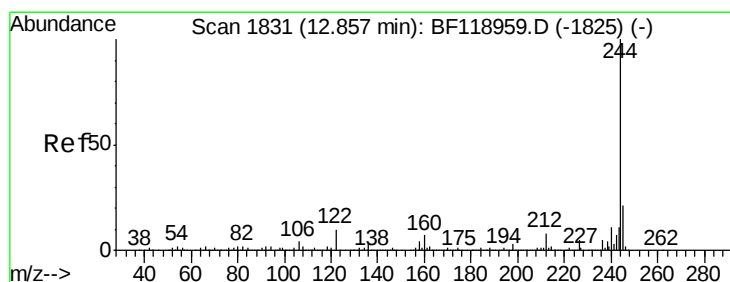
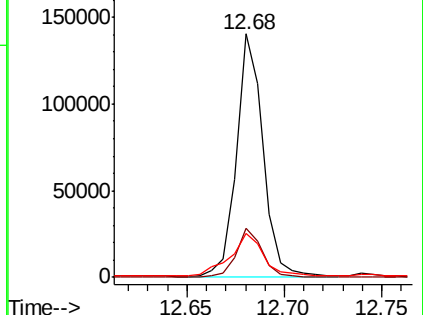
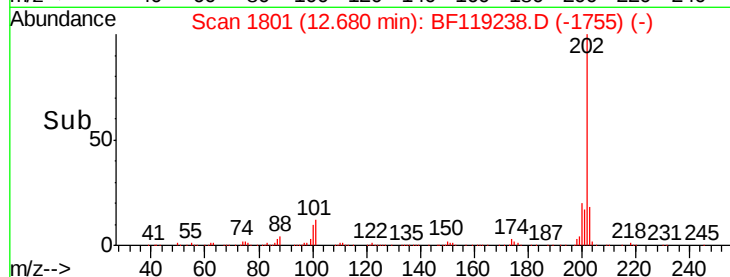
203 18.1 14.6 22.0



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: 60.767 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF119238.D

Acq: 6 Mar 2020 3:53

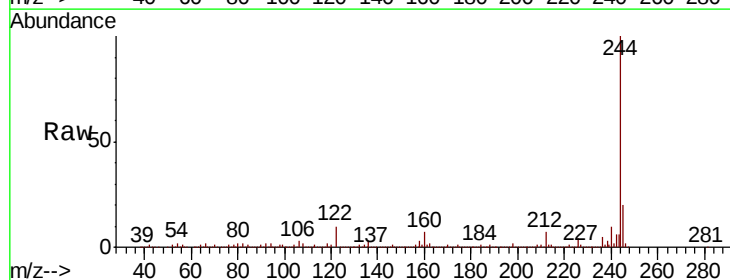
Tgt Ion:244 Resp: 1106325

Ion Ratio Lower Upper

244 100

212 7.4 6.6 10.0

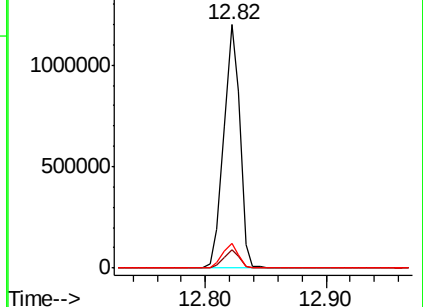
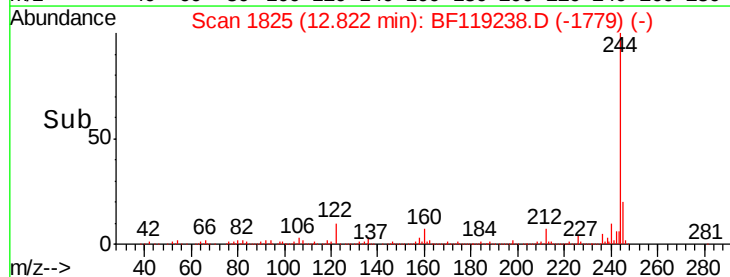
122 10.2 8.2 12.2

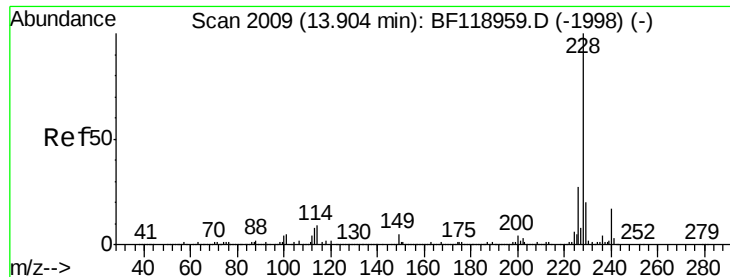


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

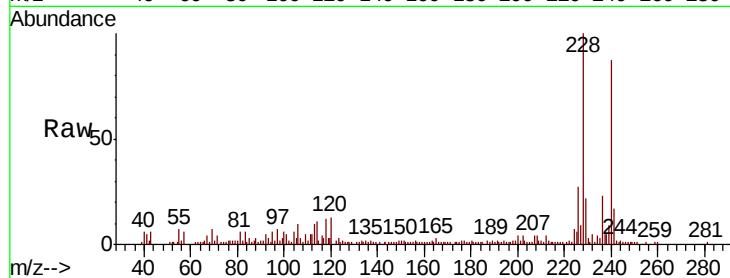




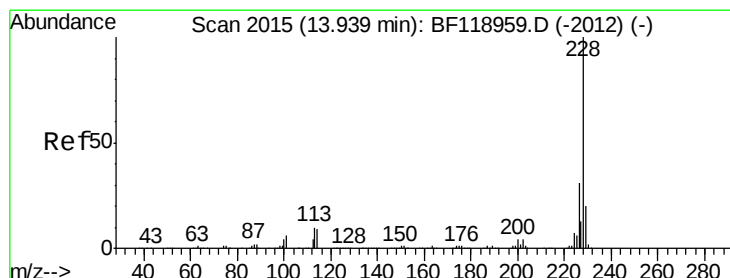
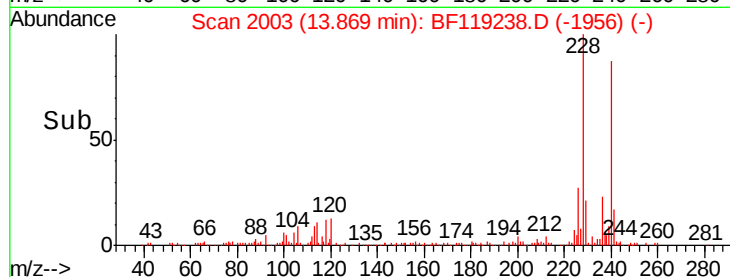
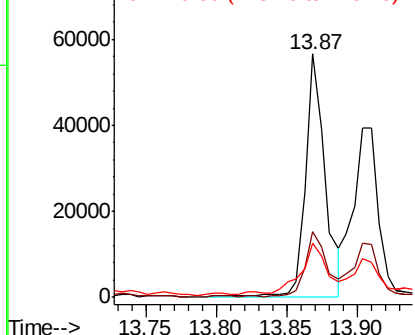
#81
Benzo(a)anthracene
Concen: 2.578 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 55053
Ion Ratio Lower Upper
228 100
226 26.9 22.6 33.8
229 22.2 16.6 24.8

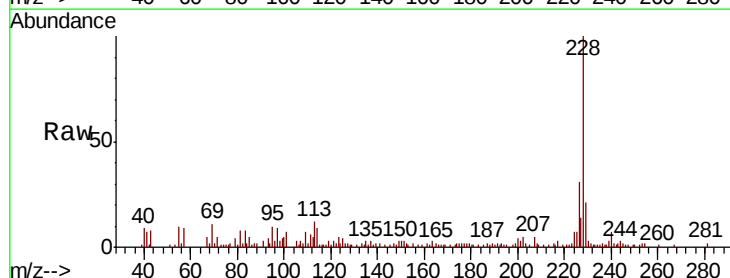


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

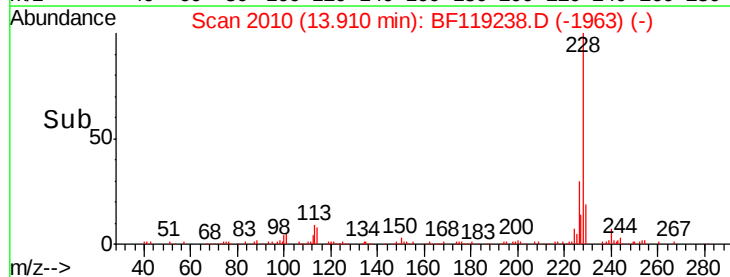
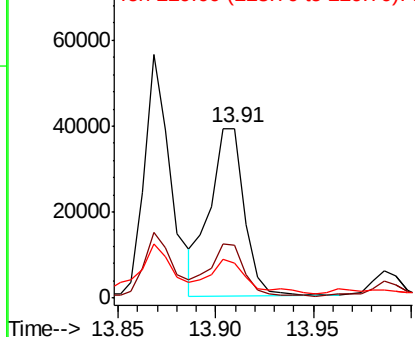


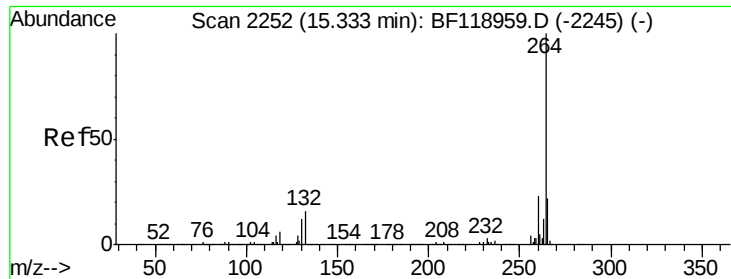
#83
Chrysene
Concen: 2.255 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

Tgt Ion:228 Resp: 47990
Ion Ratio Lower Upper
228 100
226 31.1 25.1 37.7
229 20.9 16.3 24.5



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



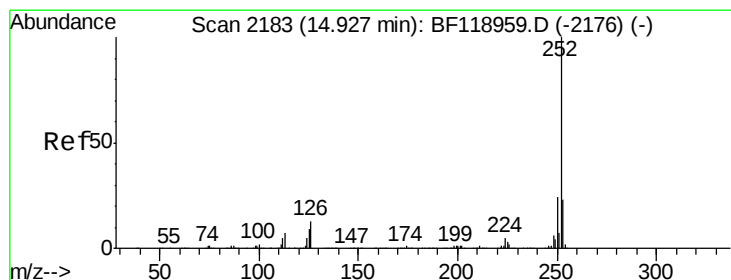
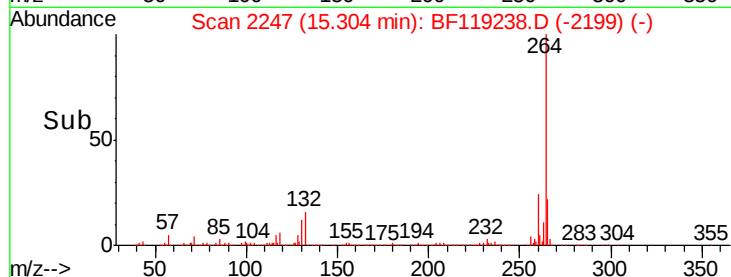
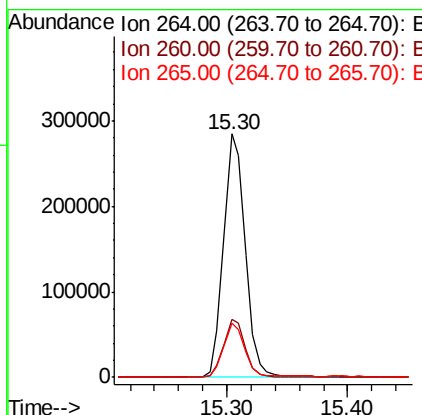
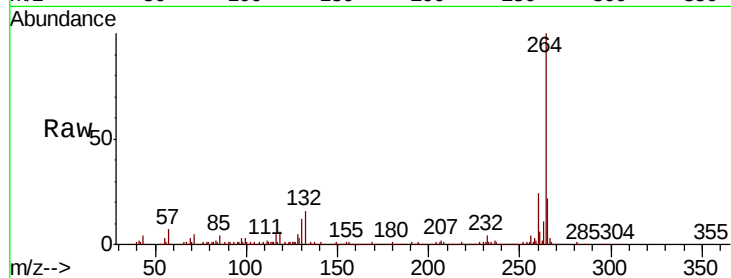


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.02 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 355137

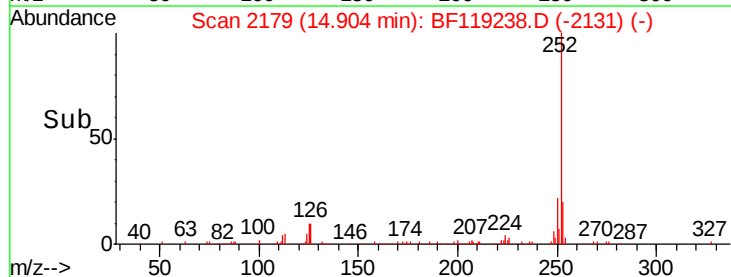
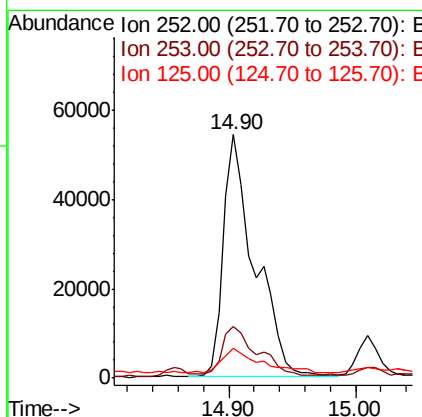
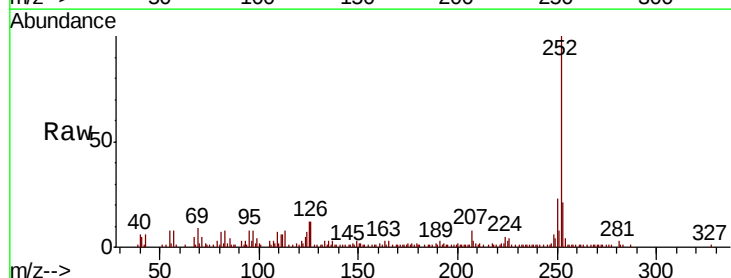
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	22.0	17.7	26.5

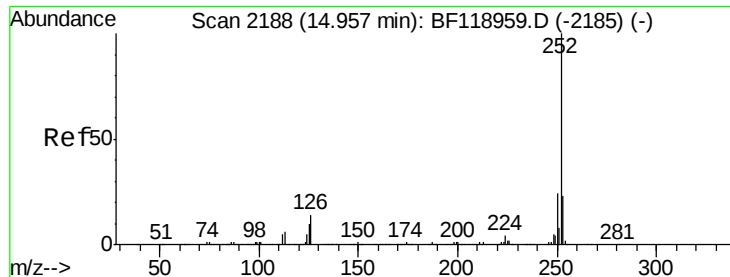


#88
Benzo(b)fluoranthene
Concen: 3.952 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

Tgt Ion:252 Resp: 92517

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	12.2	7.4	11.0

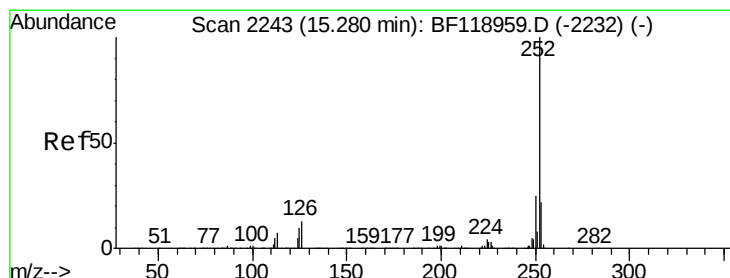
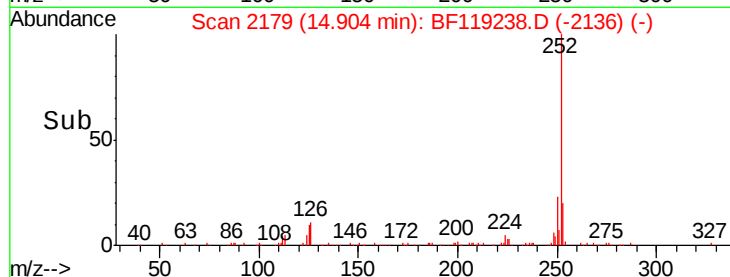
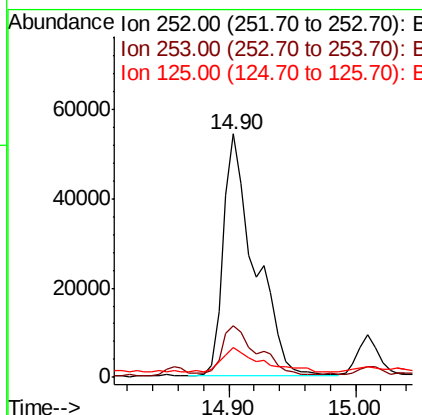
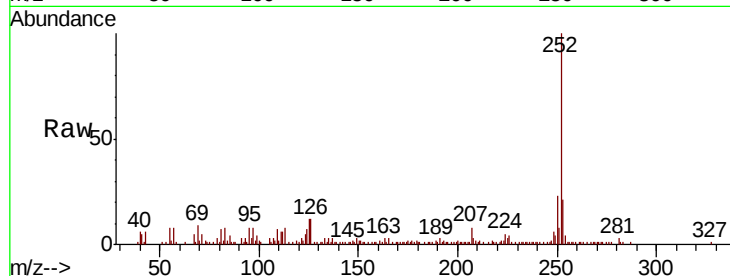




#89
Benzo(k)fluoranthene
Concen: 4.265 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.05 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

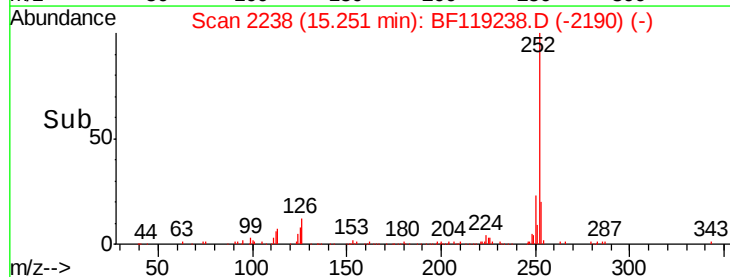
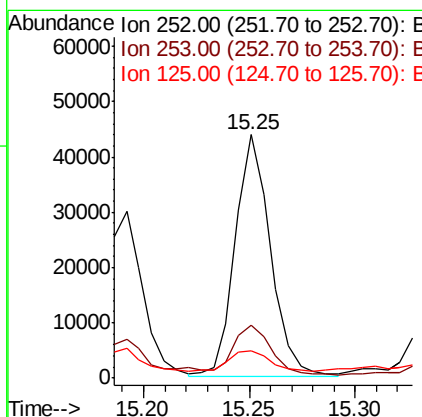
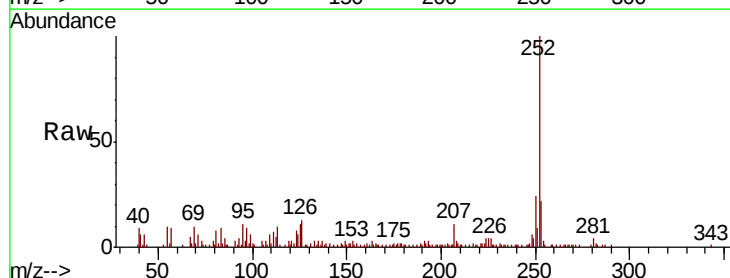
Instrument :
BNA_F
ClientSampleId :

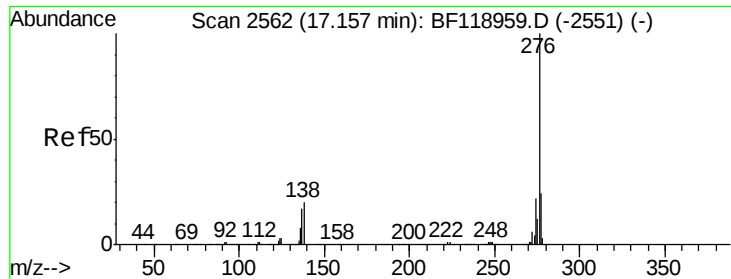
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.8
125	12.2	7.5	11.3



#90
Benzo(a)pyrene
Concen: 2.392 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF119238.D
Acq: 6 Mar 2020 3:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	11.4	8.6	12.8





#92
 Benzo(a,h,i)perylene
 Concen: 2.085 ng
 RT: 17.14 min Scan# 2559
 Delta R.T. -0.02 min
 Lab File: BF119238.D
 Acq: 6 Mar 2020 3:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.8	18.7	28.1
138	23.4	14.3	21.5

