

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119322.D
 Acq On : 10 Mar 2020 17:51
 Operator : CG/JU
 Sample : L1852-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 11 01:40:21 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	106777	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	406745	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	198550	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	303713	20.00	ng	0.00
76) Chrysene-d12	13.89	240	233082	20.00	ng	0.00
87) Perylene-d12	15.32	264	216748	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	624699	97.77	ng	0.00
7) Phenol-d6	6.38	99	754690	97.12	ng	0.00
23) Nitrobenzene-d5	7.29	82	485181	62.98	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	190059	73.17	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	916404	67.99	ng	0.00
79) Terphenyl-d14	12.82	244	819975	60.57	ng	0.00

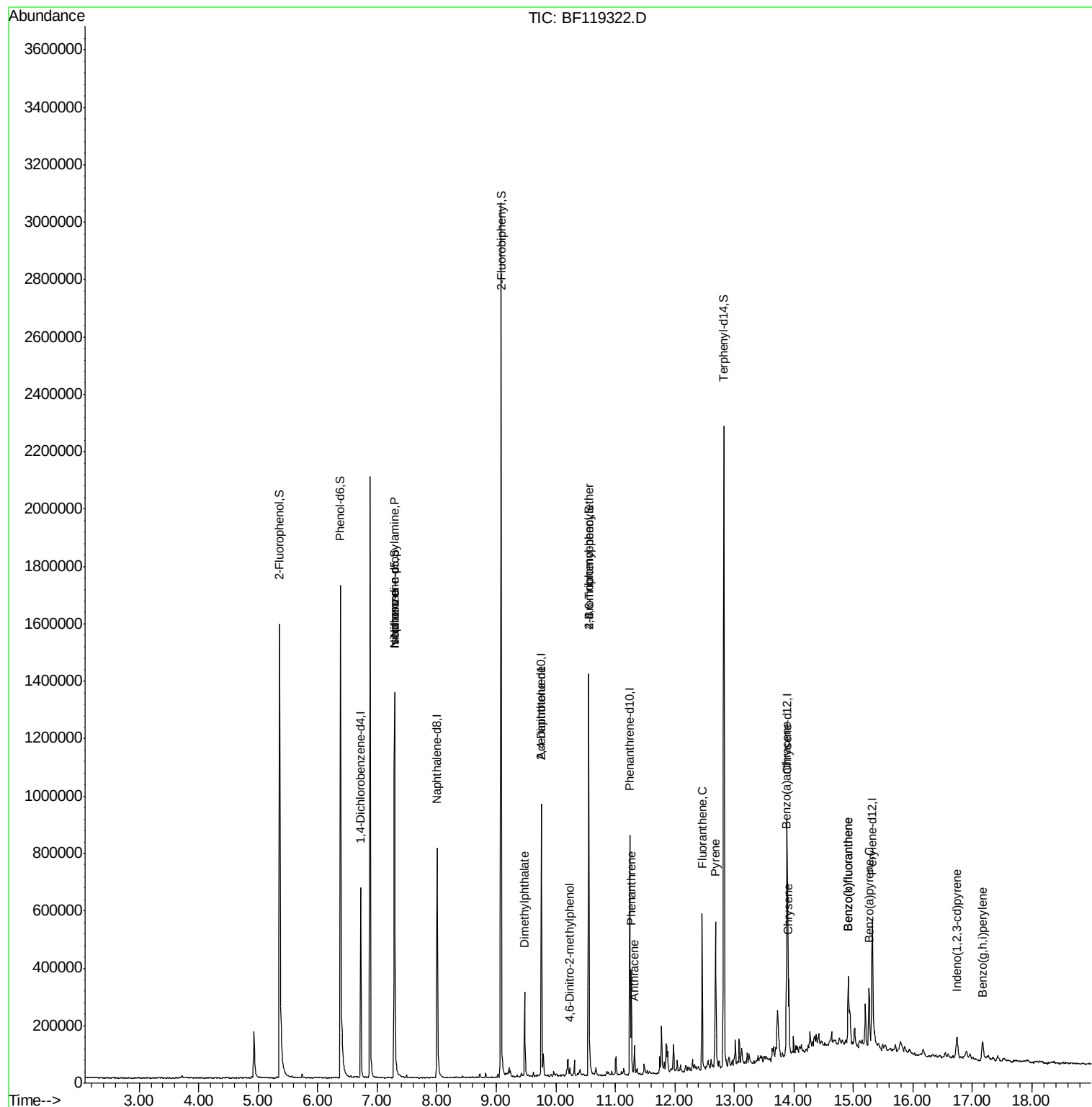
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	67901	14.996	ng	# 74
25) Isophorone	7.29	82	485181	36.265	ng	# 63
50) Dimethylphthalate	9.48	163	141111	9.294	ng	99
57) 2,4-Dinitrotoluene	9.76	165	25872	5.917	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.24	198	5641	3.069	ng	# 36
67) 4-Bromophenyl-phenylether	10.55	248	12437	3.133	ng	# 1
71) Phenanthrene	11.27	178	138720	8.375	ng	98
72) Anthracene	11.32	178	39407	2.381	ng	97
75) Fluoranthene	12.46	202	211318	12.020	ng	98
78) Pyrene	12.69	202	204213	10.911	ng	99
81) Benzo(a)anthracene	13.87	228	119607	7.531	ng	98
83) Chrysene	13.92	228	106482	6.729	ng	98
86) Indeno(1,2,3-cd)pyrene	16.74	276	51103	3.335	ng	95
88) Benzo(b)fluoranthene	14.92	252	173830	12.167	ng	# 98
89) Benzo(k)fluoranthene	14.92	252	173522	13.106	ng	97
90) Benzo(a)pyrene	15.26	252	103072	7.994	ng	97
92) Benzo(a,h,i)perylene	17.17	276	52686	4.700	ng	96

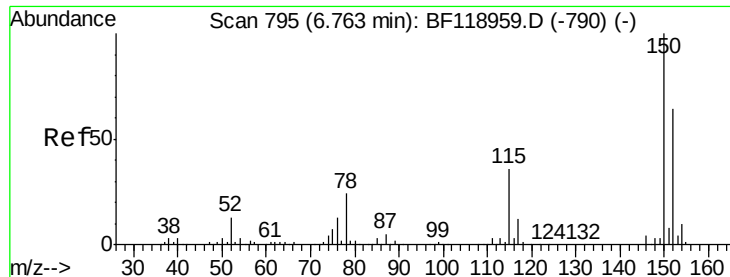
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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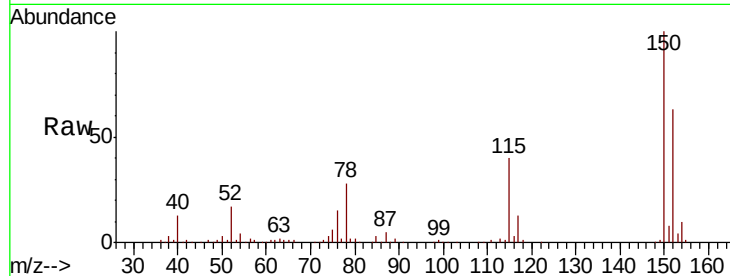


#1

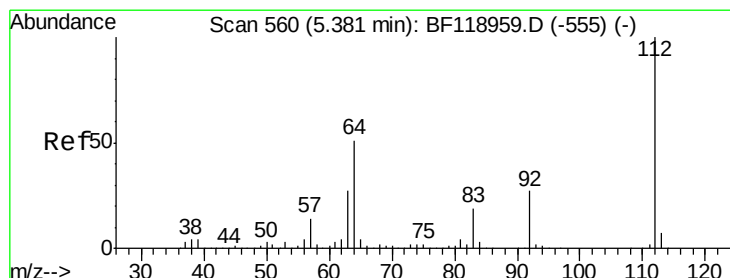
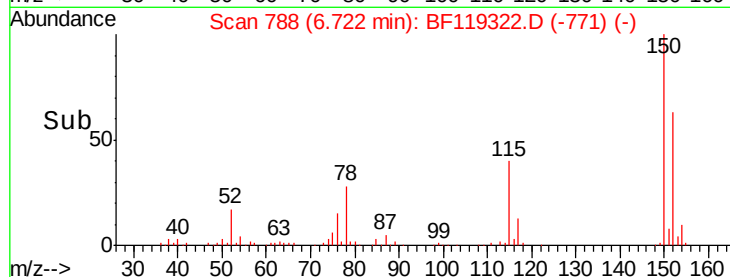
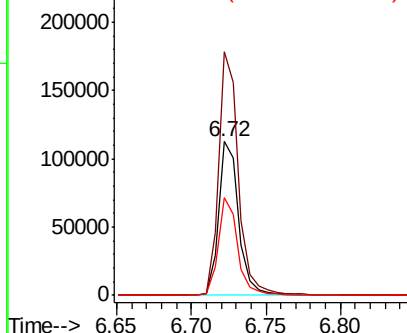
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 106777
Ion Ratio Lower Upper
152 100
150 158.3 123.0 184.6
115 63.8 49.5 74.3



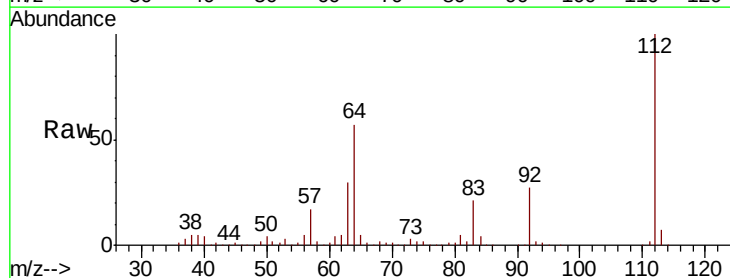
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



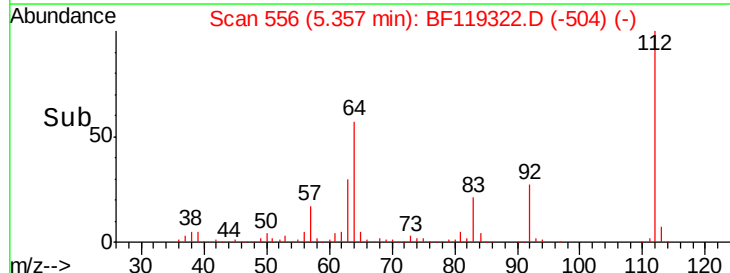
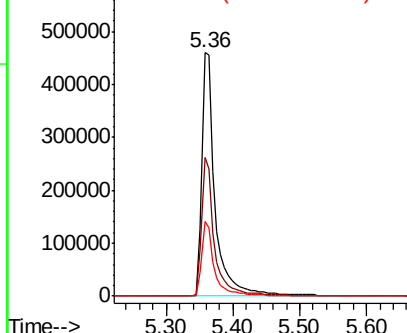
#5

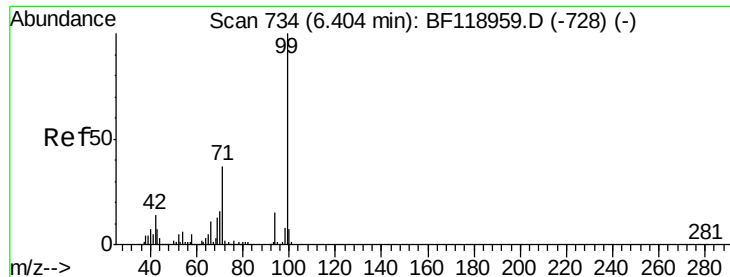
2-Fluorophenol
Concen: 97.772 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

Tgt Ion:112 Resp: 624699
Ion Ratio Lower Upper
112 100
64 57.1 45.0 67.4
63 30.5 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: 97.121 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119322.D

Acq: 10 Mar 2020 17:51

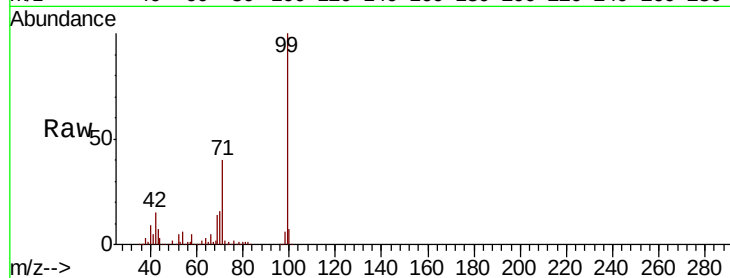
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 754690

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.6	18.8
71	39.7	31.0	46.4

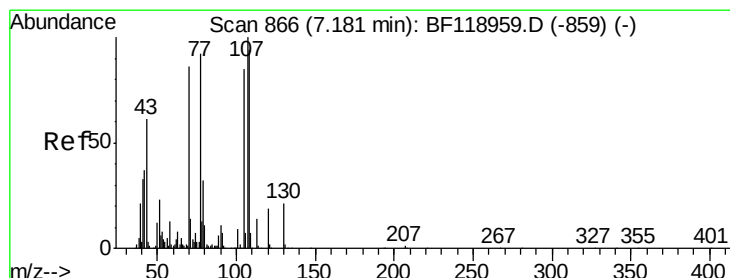
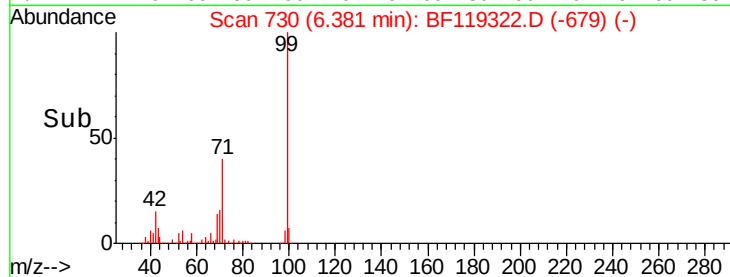


Abundance

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: 14.996 ng

RT: 7.29 min Scan# 885

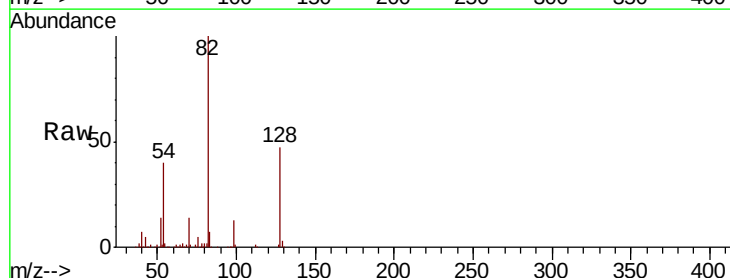
Delta R.T. 0.15 min

Lab File: BF119322.D

Acq: 10 Mar 2020 17:51

Tgt Ion: 70 Resp: 67901

Ion	Ratio	Lower	Upper
70	100		
42	35.4	38.0	57.0#
101	0.0	8.2	12.4#
130	2.0	18.2	27.4#



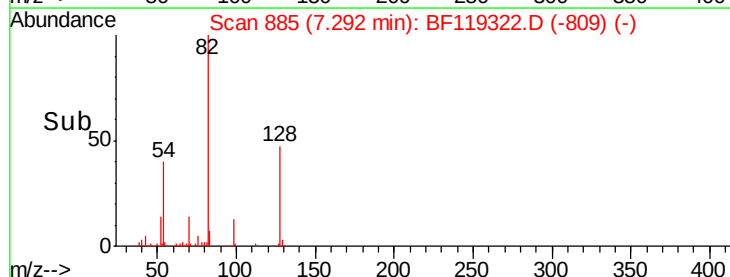
Abundance

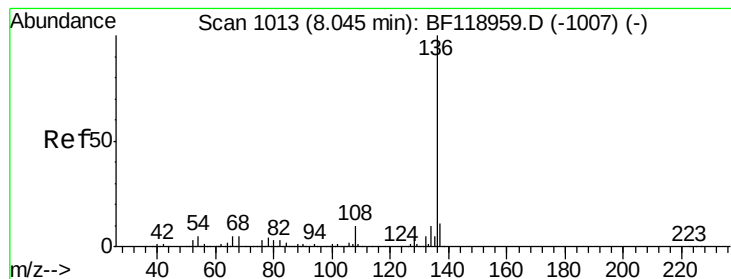
Ion 70.00 (69.70 to 70.70): BF1

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. -0.01 min

Lab File: BF119322.D

Acq: 10 Mar 2020 17:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 406745

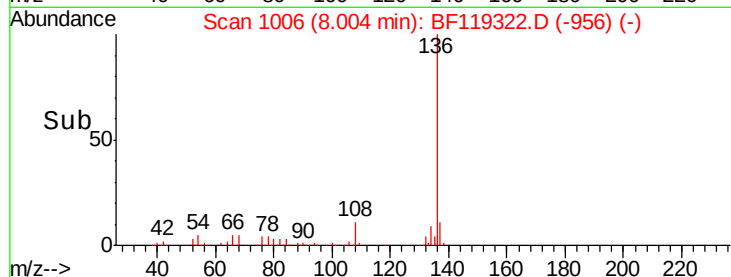
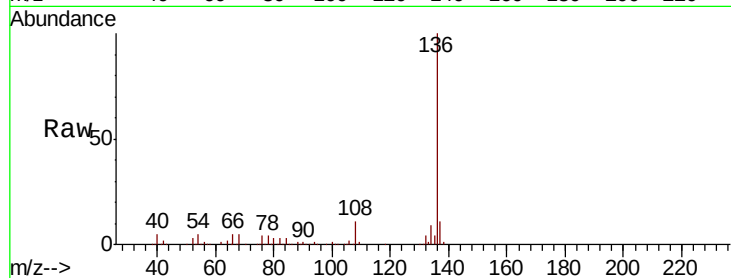
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 5.2 3.8 5.6

68 5.3 3.9 5.9

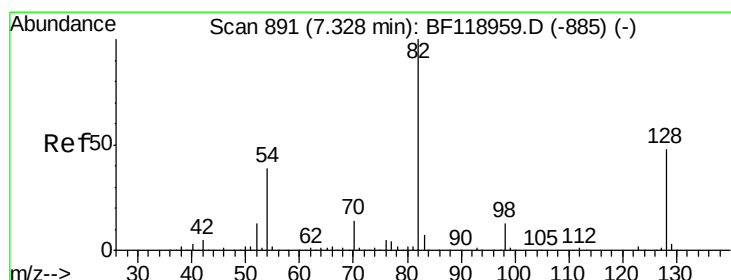
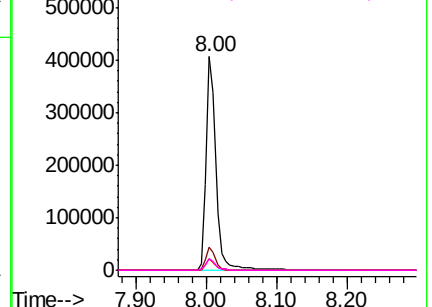


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.982 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF119322.D

Acq: 10 Mar 2020 17:51

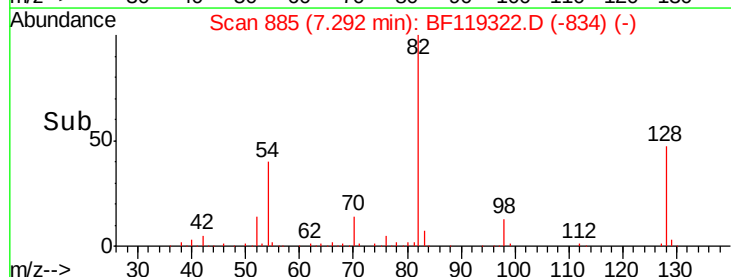
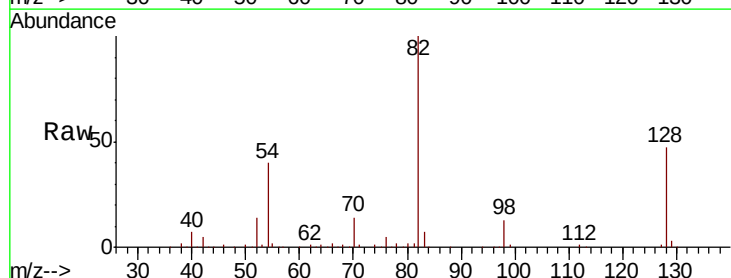
Tgt Ion: 82 Resp: 485181

Ion Ratio Lower Upper

82 100

128 46.6 37.9 56.9

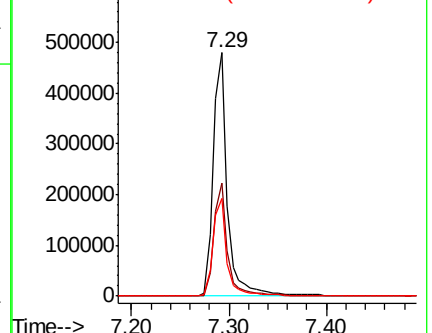
54 39.9 33.4 50.2

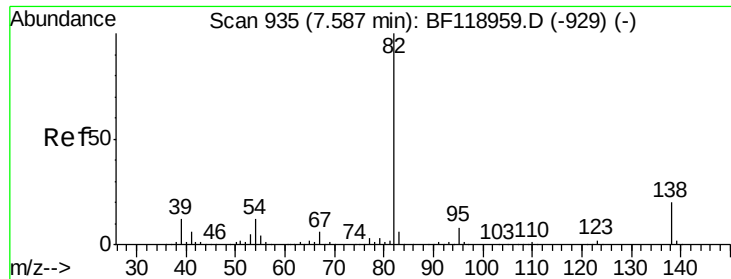


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.265 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119322.D

Acq: 10 Mar 2020 17:51

Instrument :

BNA_F

ClientSampleId :

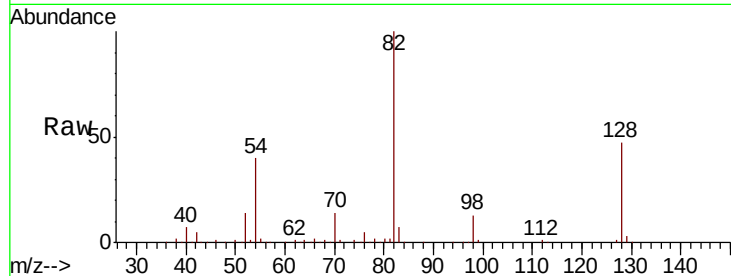
Tot Ion: 82 Resp: 485181

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 15.7 23.5#

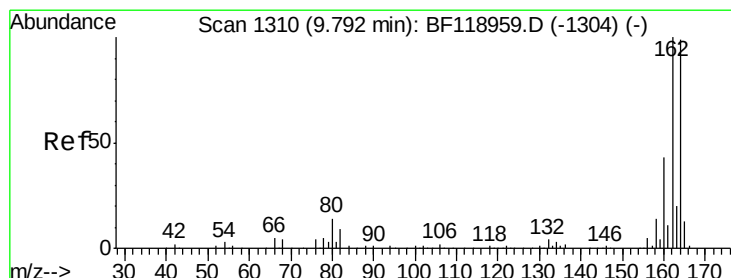
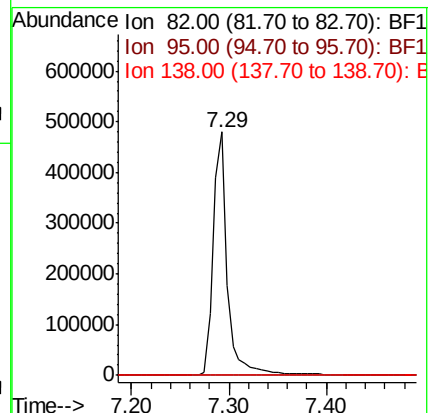
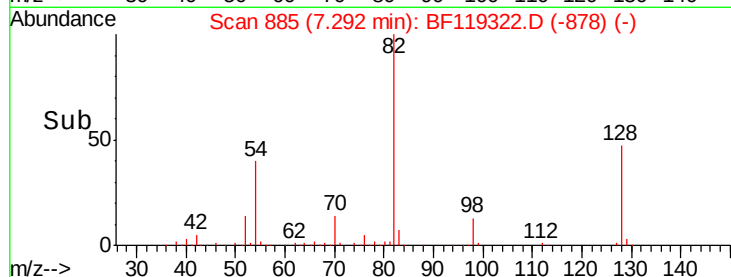


Abundance Ion 82.00 (81.70 to 82.70): BF118959.D (-929) (-)

Ion 95.00 (94.70 to 95.70): BF118959.D (-929) (-)

Ion 138.00 (137.70 to 138.70): BF118959.D (-929) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF119322.D

Acq: 10 Mar 2020 17:51

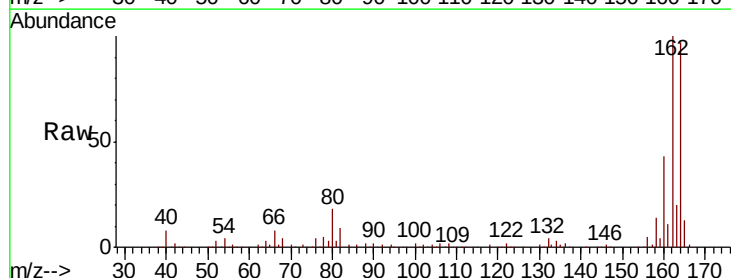
Tgt Ion: 164 Resp: 198550

Ion Ratio Lower Upper

164 100

162 103.0 81.8 122.8

160 44.1 36.0 54.0

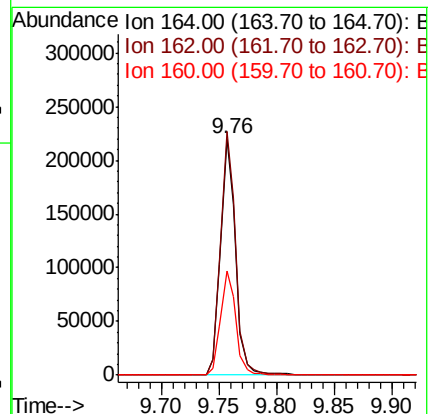
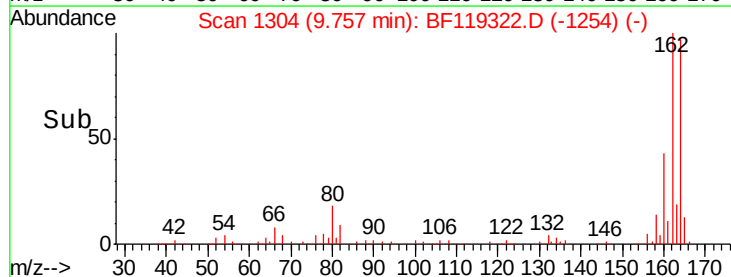


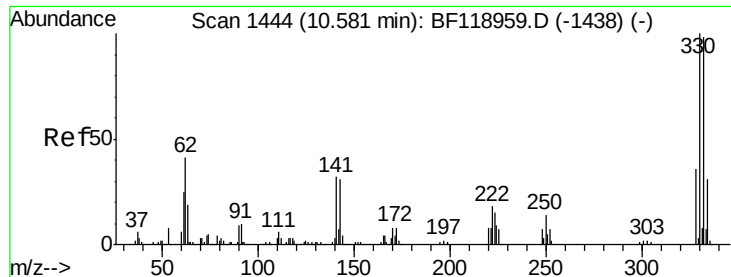
Abundance Ion 164.00 (163.70 to 164.70): BF118959.D (-1304) (-)

Ion 162.00 (161.70 to 162.70): BF118959.D (-1304) (-)

Ion 160.00 (159.70 to 160.70): BF118959.D (-1304) (-)

Time-->

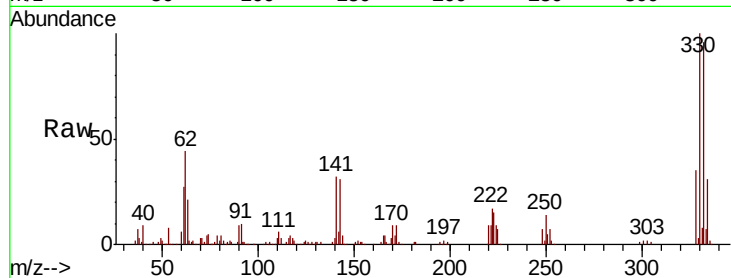




#42
 2,4,6-Tribromophenol
 Concen: 73.174 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119322.D
 Acq: 10 Mar 2020 17:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.0	114.0
141	30.9	22.9	34.3

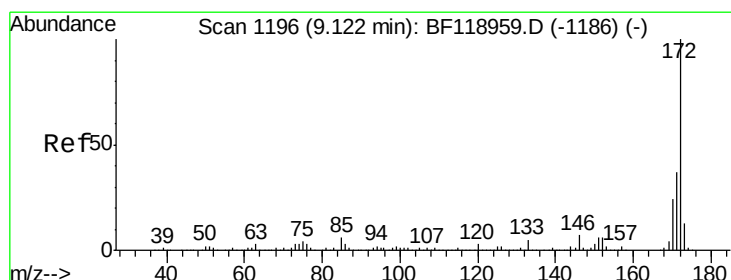
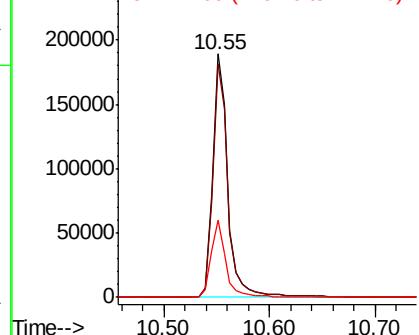
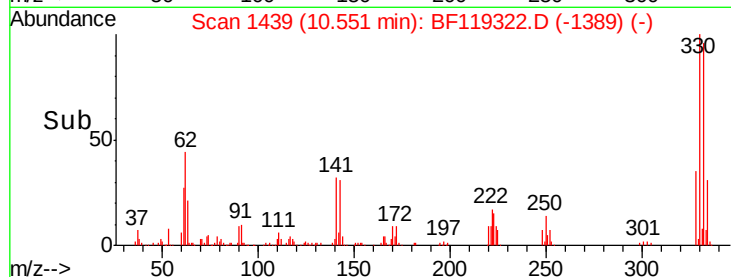


Abundance

Ion 329.80 (329.50 to 330.50): E

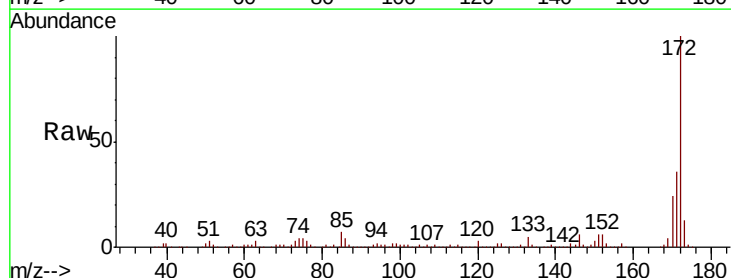
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 67.994 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119322.D
 Acq: 10 Mar 2020 17:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.6	45.8
170	23.8	20.2	30.2

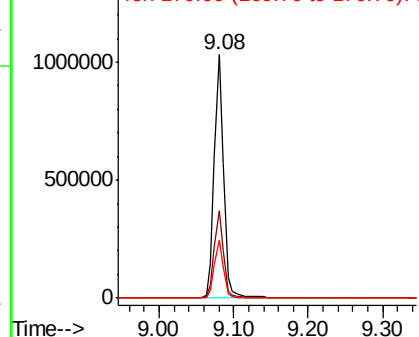
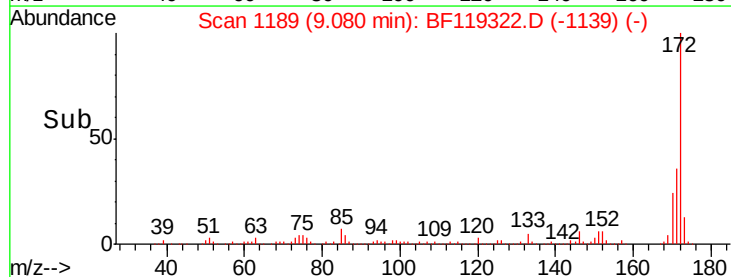


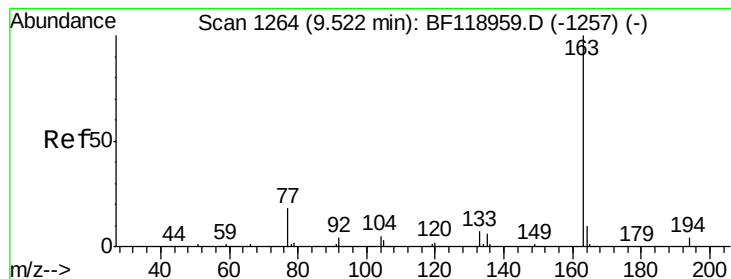
Abundance

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: 9.294 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF119322.D

Acq: 10 Mar 2020 17:51

Instrument :

BNA_F

ClientSampleId :

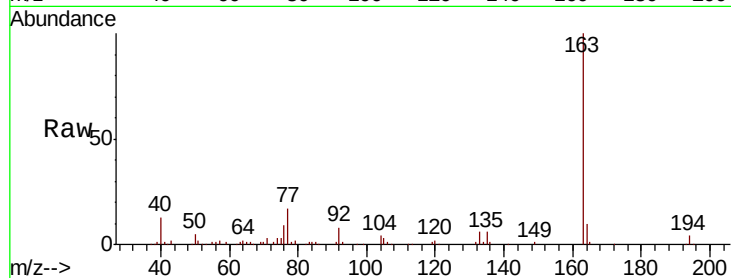
Tot Ion:163 Resp: 141111

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

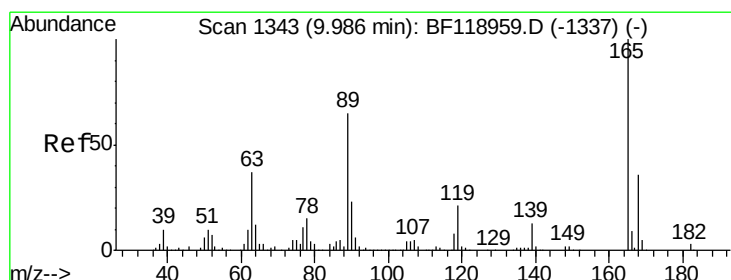
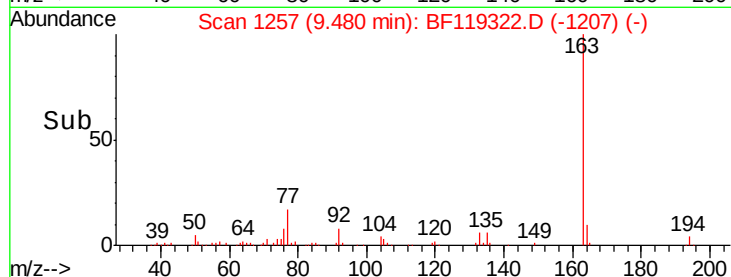
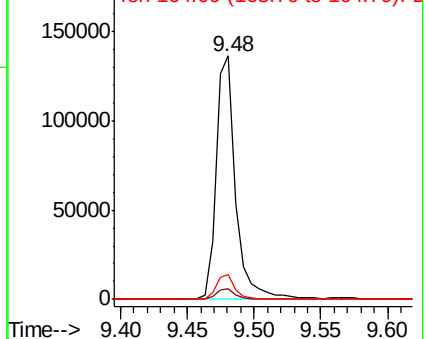
164 9.9 8.4 12.6



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



#57

2,4-Dinitrotoluene

Concen: 5.917 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.21 min

Lab File: BF119322.D

Acq: 10 Mar 2020 17:51

Tgt Ion:165 Resp: 25872

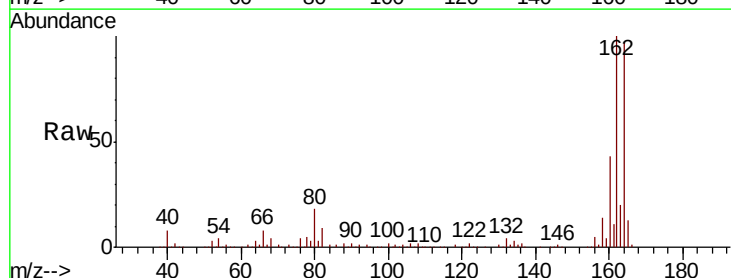
Ion Ratio Lower Upper

165 100

63 1.2 42.3 63.5#

89 1.2 60.2 90.4#

182 0.0 2.3 3.5#

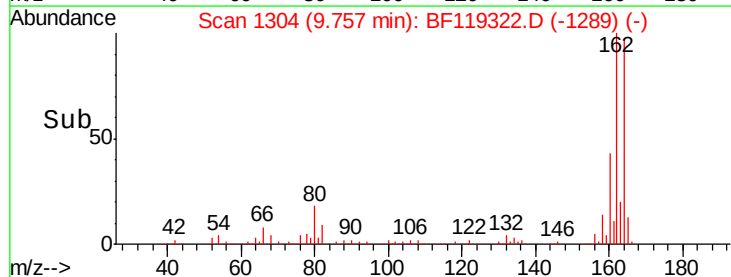
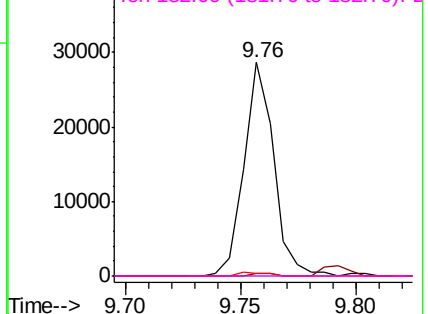


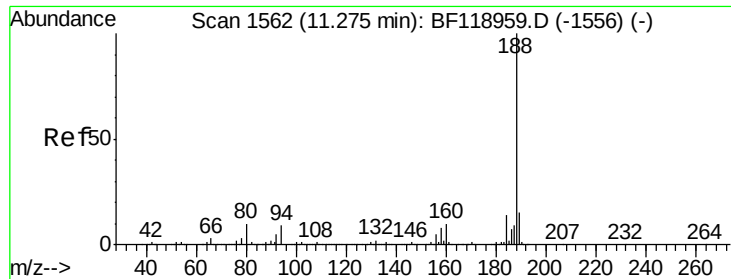
Abundance Ion 165.00 (164.70 to 165.70): E

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

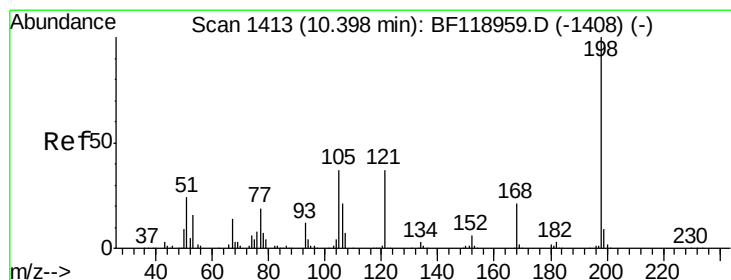
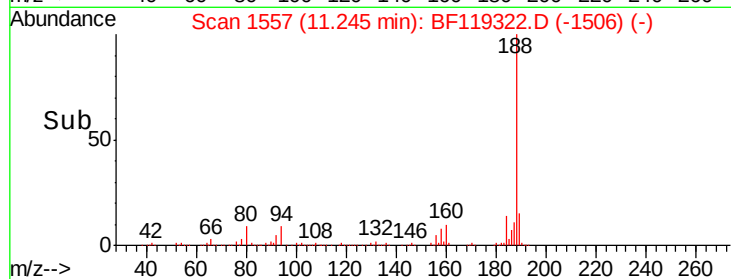
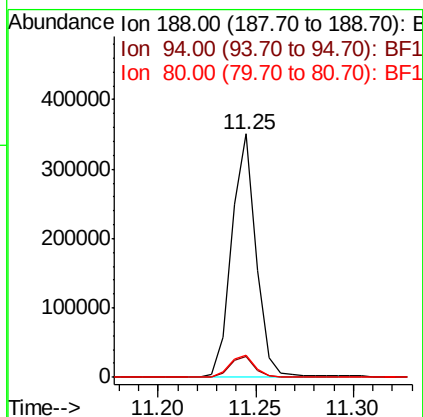
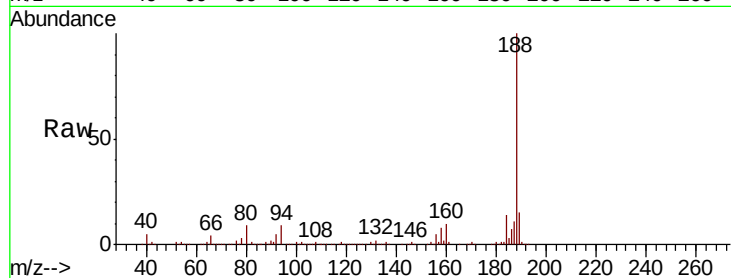




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: BF119322.D
 Acq: 10 Mar 2020 17:51

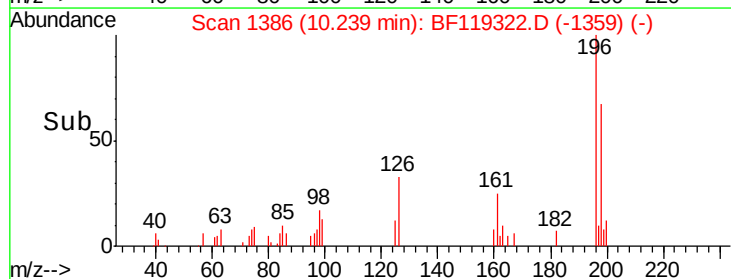
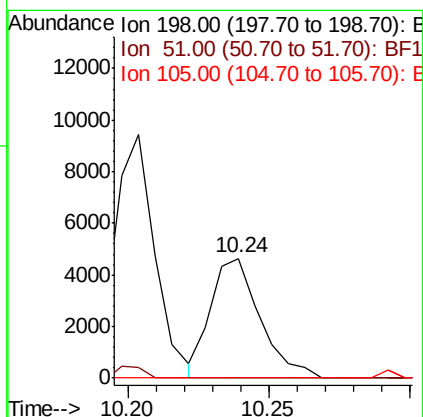
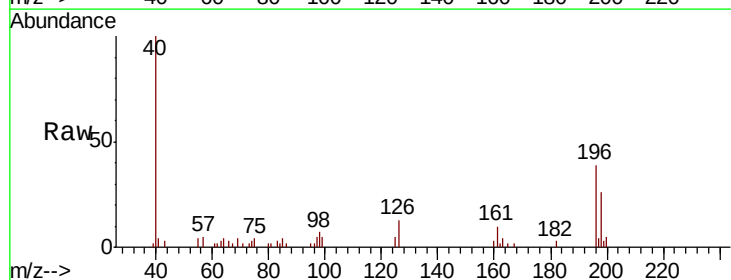
Instrument :
 BNA_F
 ClientSampleId :

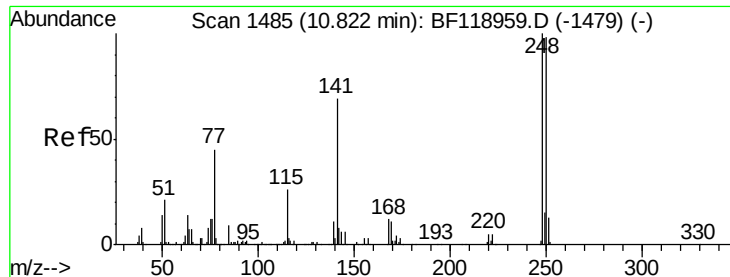
Tot Ion:188 Resp: 303713
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.1 10.7
 80 9.0 7.8 11.8



#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.069 ng
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.14 min
 Lab File: BF119322.D
 Acq: 10 Mar 2020 17:51

Tgt Ion:198 Resp: 5641
 Ion Ratio Lower Upper
 198 100
 51 0.0 14.2 54.2#
 105 0.0 22.7 62.7#

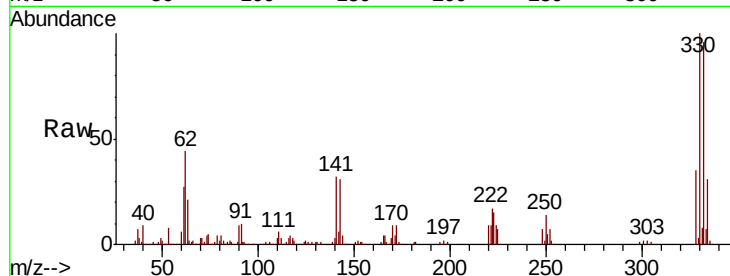




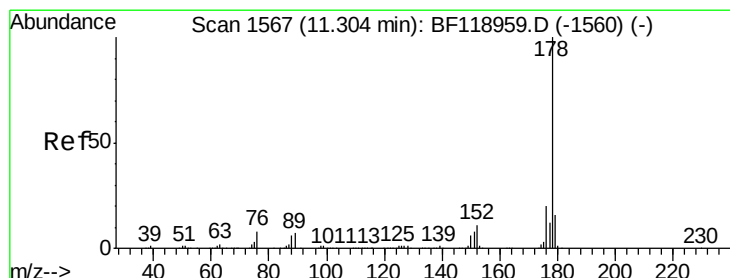
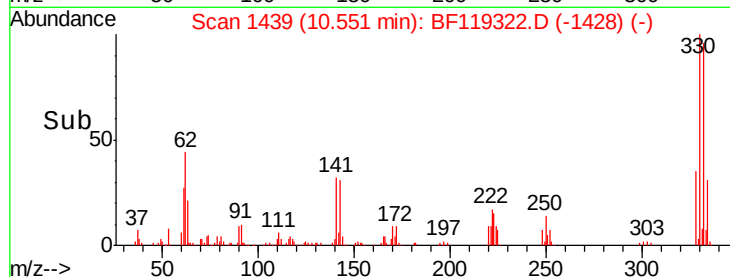
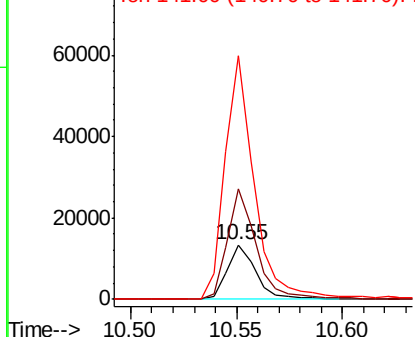
#67
4-Bromophenyl-phenylether
Concen: 3.133 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12437
Ion Ratio Lower Upper
248 100
250 203.0 76.7 115.1#
141 448.5 60.7 91.1#

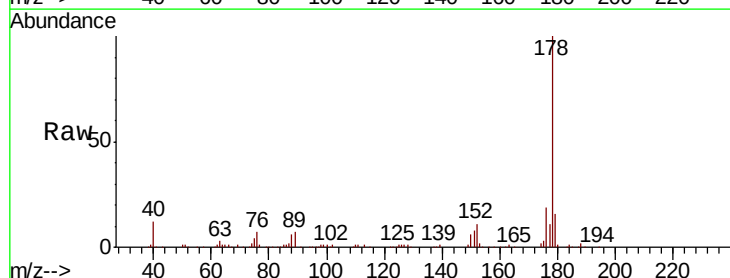


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

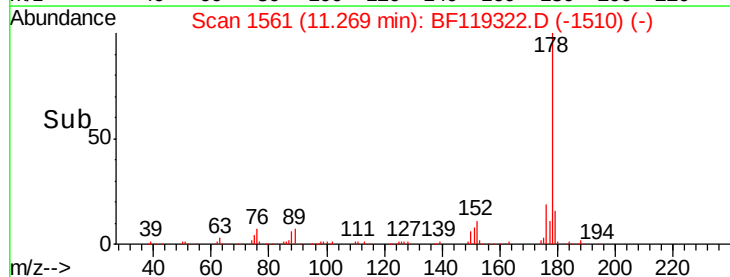
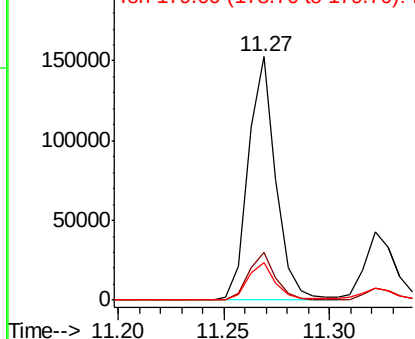


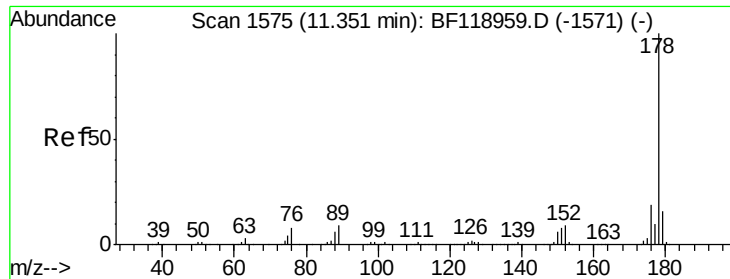
#71
Phenanthrene
Concen: 8.375 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

Tgt Ion:178 Resp: 138720
Ion Ratio Lower Upper
178 100
176 19.5 16.5 24.7
179 15.5 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

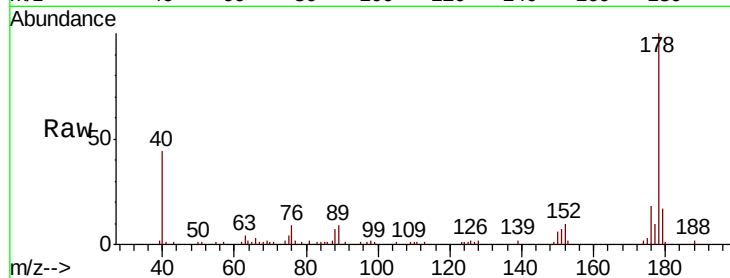




#72
 Anthracene
 Concen: 2.381 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF119322.D
 Acq: 10 Mar 2020 17:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	16.0	24.0
179	16.8	13.1	19.7

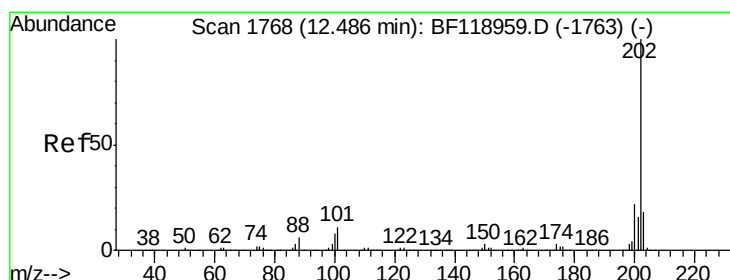
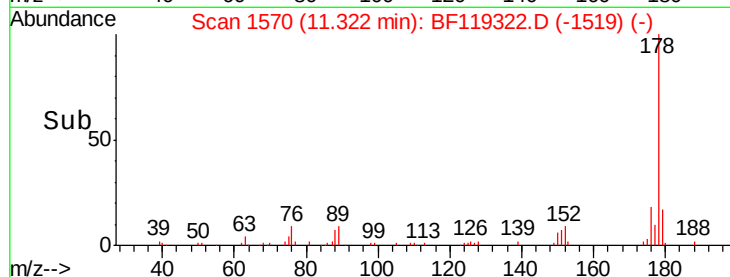
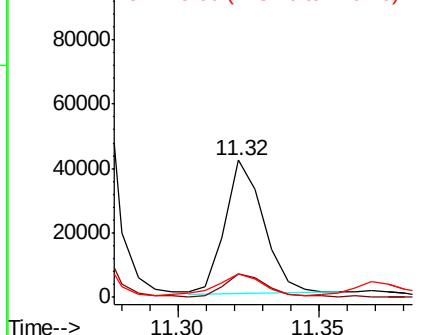


Abundance

Ion 178.00 (177.70 to 178.70): E

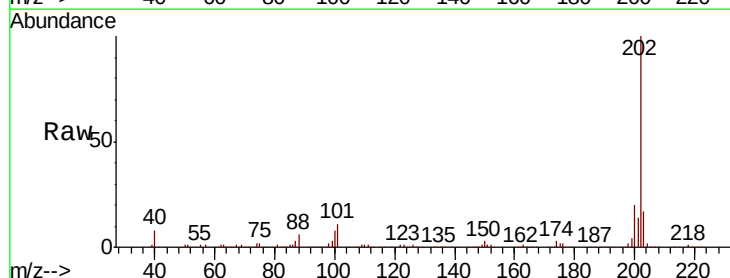
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
 Fluoranthene
 Concen: 12.020 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: BF119322.D
 Acq: 10 Mar 2020 17:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.3
203	17.4	0.0	38.4

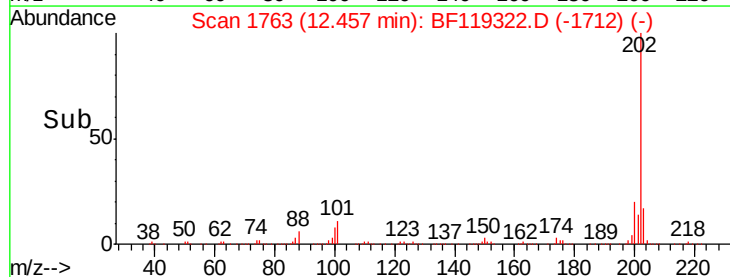
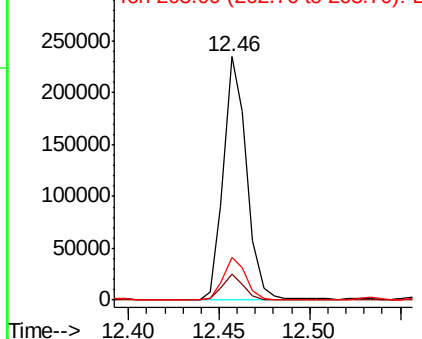


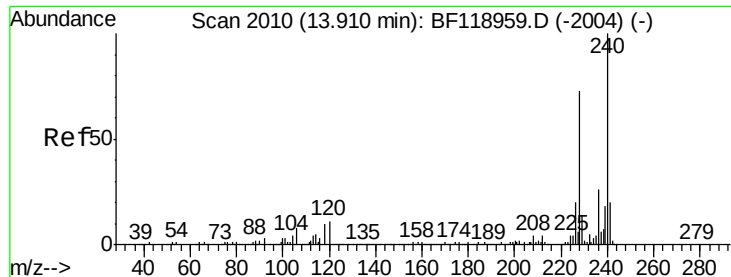
Abundance

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

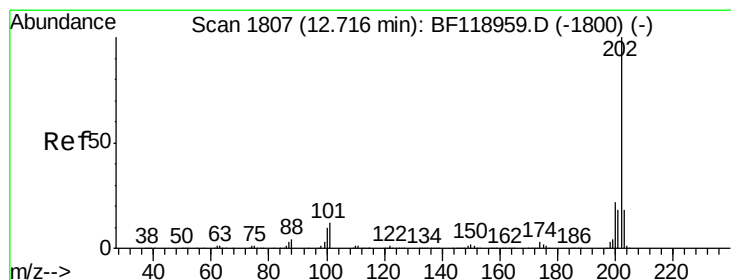
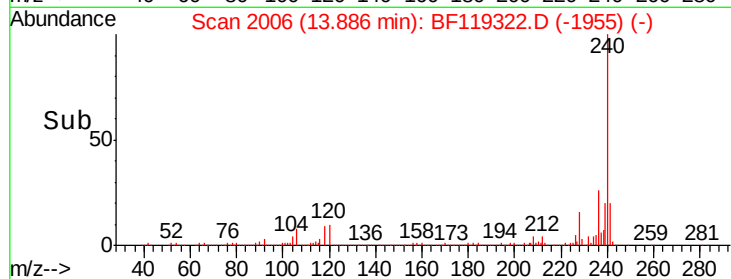
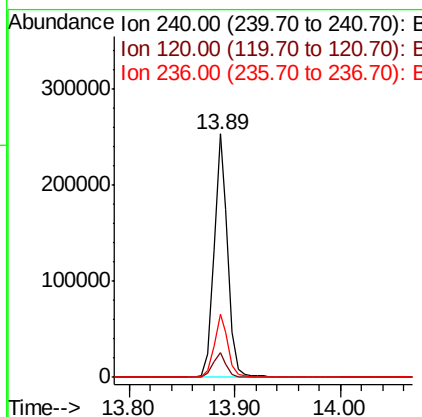
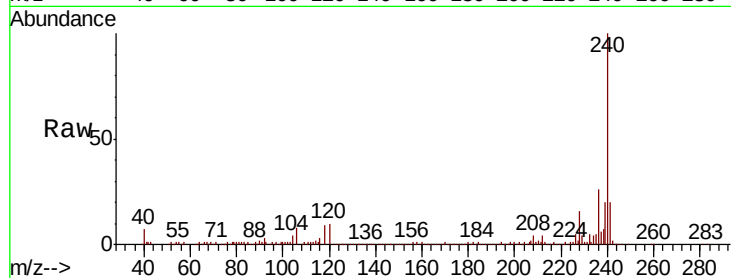




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

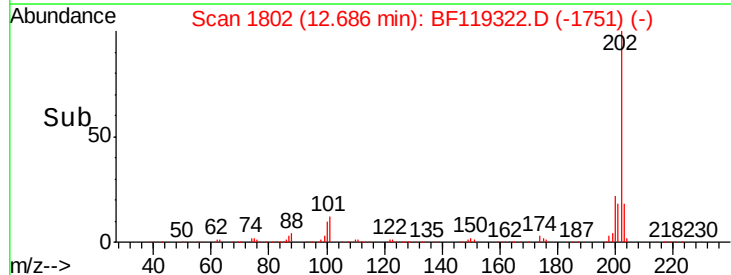
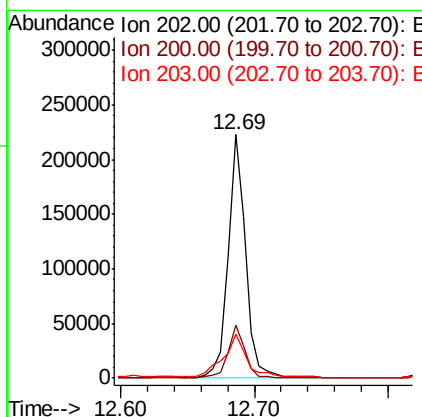
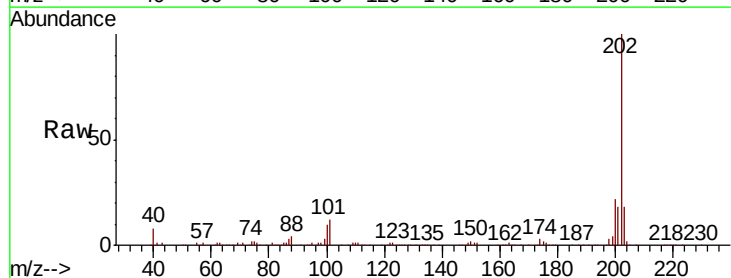
Instrument :
BNA_F
ClientSampleId :

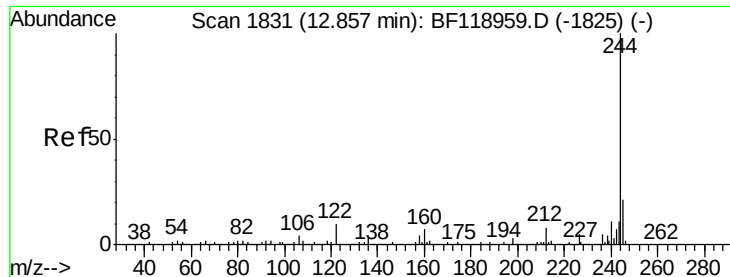
Tot Ion:240 Resp: 233082
Ion Ratio Lower Upper
240 100
120 10.2 8.4 12.6
236 25.7 21.0 31.4



#78
Pyrene
Concen: 10.911 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

Tgt Ion:202 Resp: 204213
Ion Ratio Lower Upper
202 100
200 21.6 18.0 27.0
203 18.3 14.6 22.0

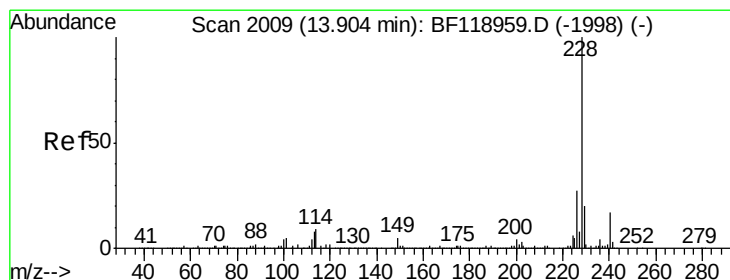
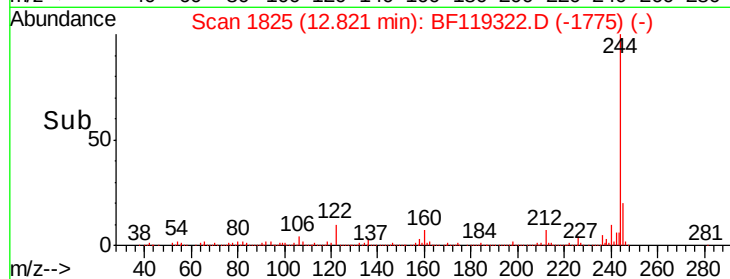
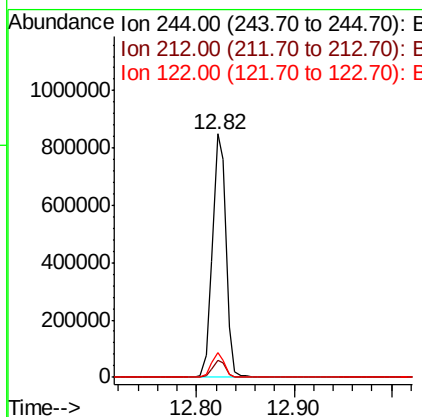
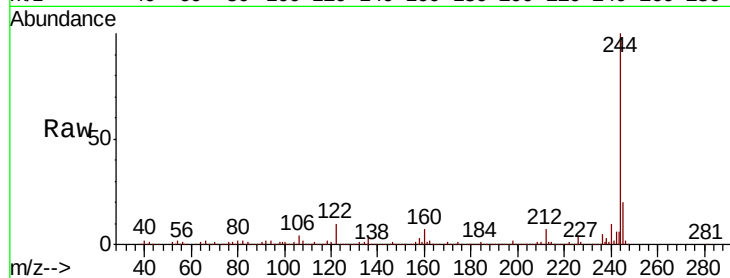




#79
 Terphenyl-d14
 Concen: 60.568 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF119322.D
 Acq: 10 Mar 2020 17:51

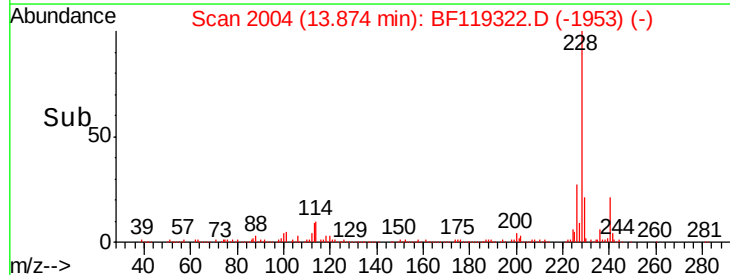
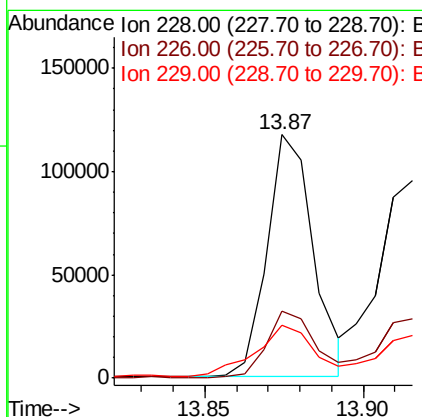
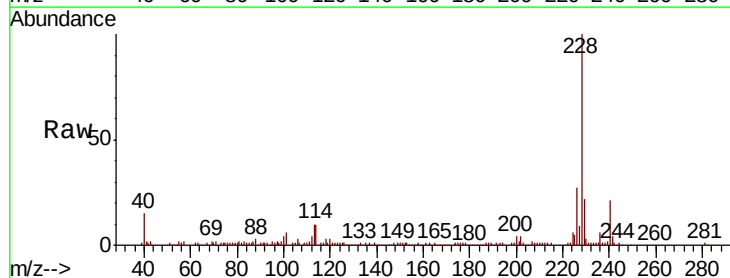
Instrument :
 BNA_F
 ClientSampled :

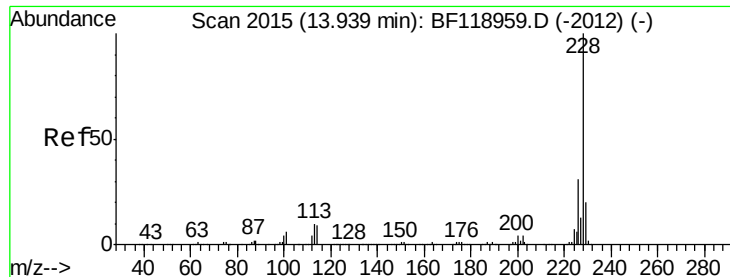
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.6	10.0
122	10.4	8.2	12.2



#81
 Benzo(a)anthracene
 Concen: 7.531 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.00 min
 Lab File: BF119322.D
 Acq: 10 Mar 2020 17:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	21.6	16.6	24.8

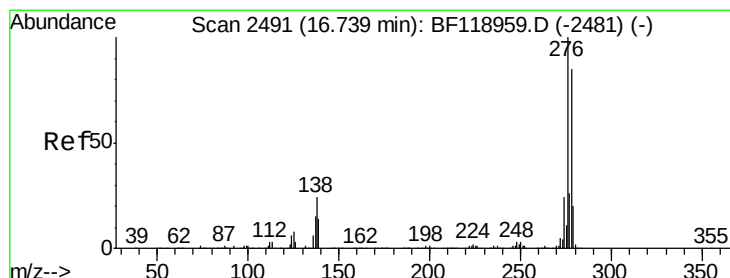
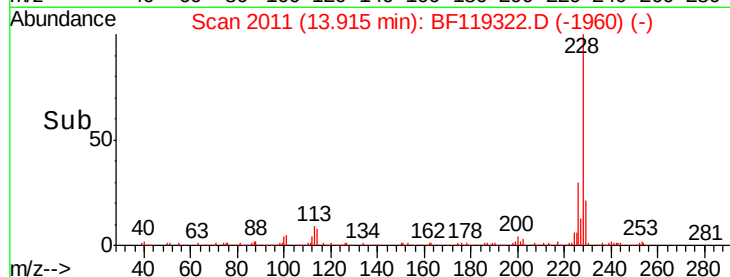
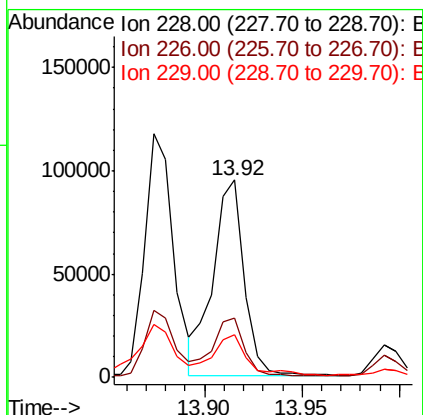
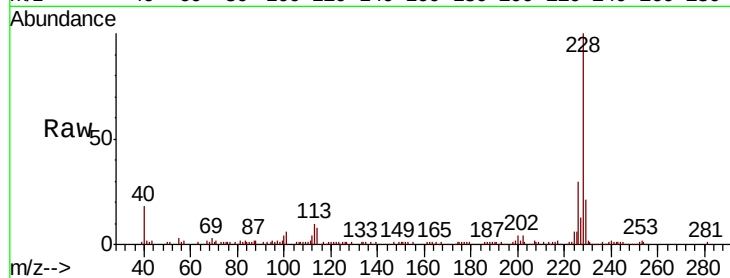




#83
Chrysene
Concen: 6.729 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

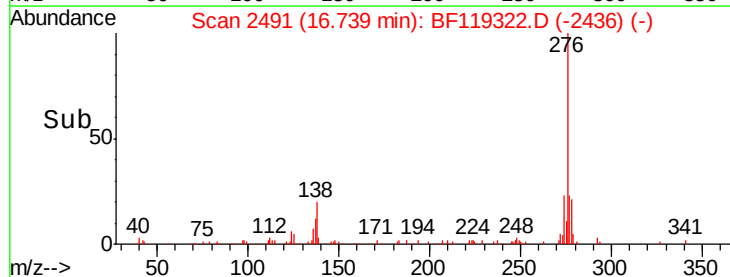
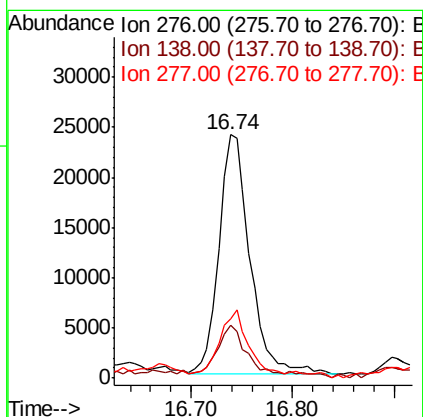
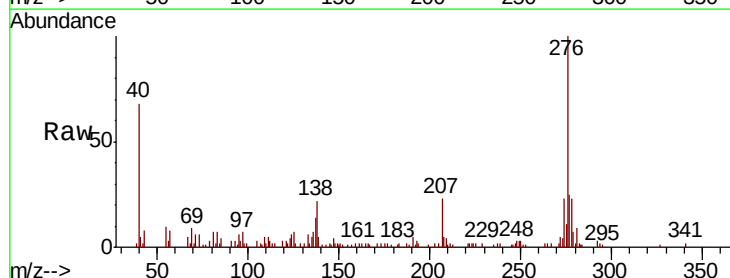
Instrument :
BNA_F
ClientSampleId :

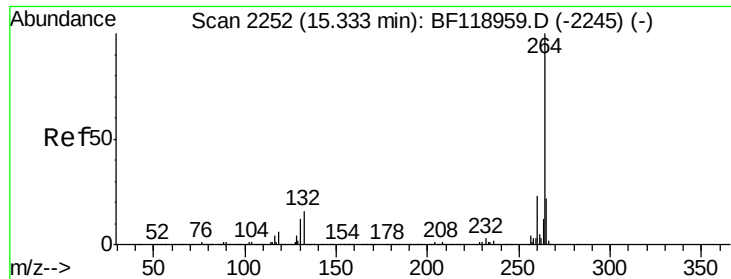
Tot Ion:228 Resp: 106482
Ion Ratio Lower Upper
228 100
226 30.3 25.1 37.7
229 21.4 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.335 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.02 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

Tgt Ion:276 Resp: 51103
Ion Ratio Lower Upper
276 100
138 18.7 17.4 26.0
277 23.4 20.3 30.5

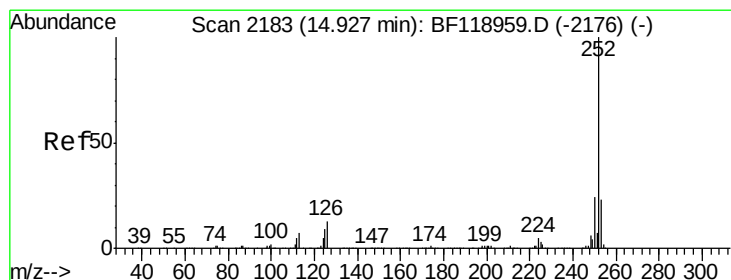
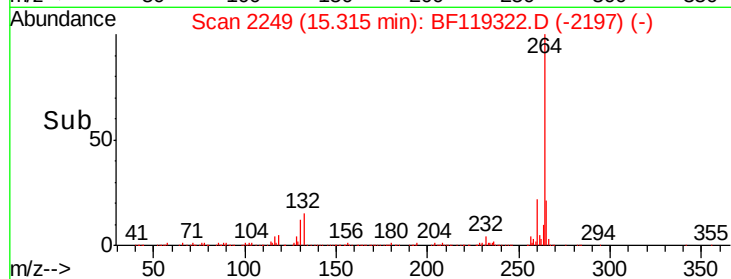
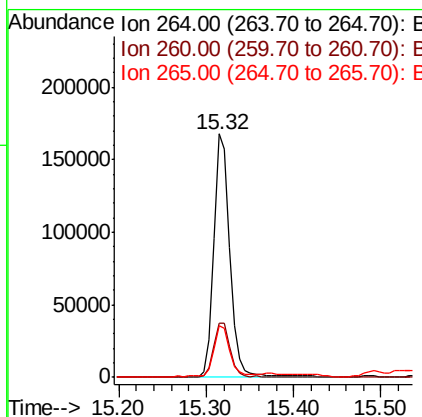
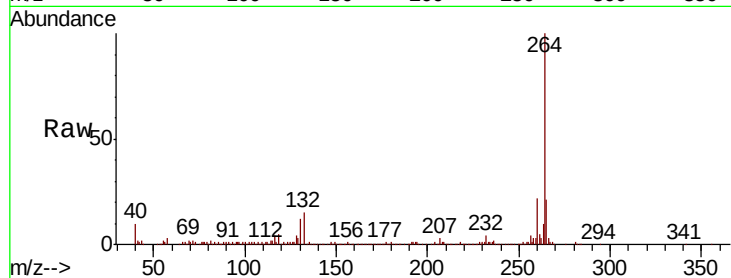




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

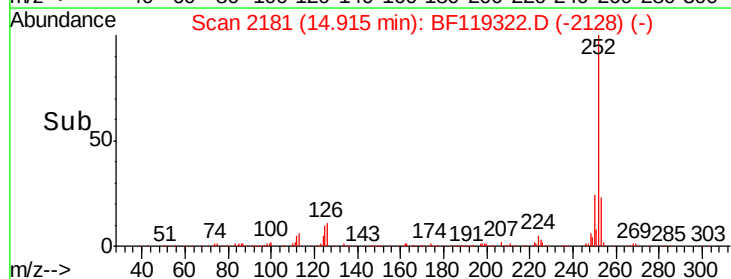
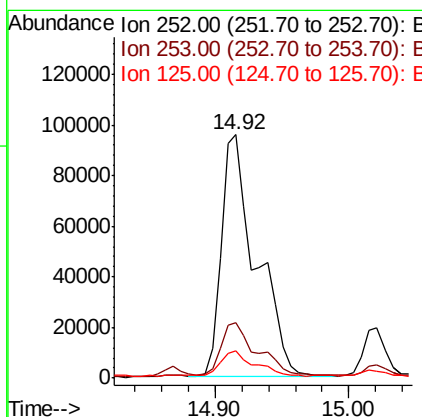
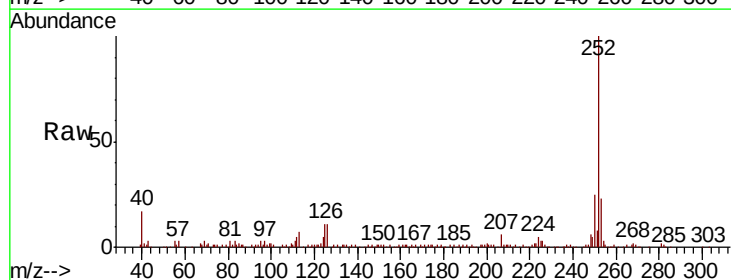
Instrument :
BNA_F
ClientSampleId :

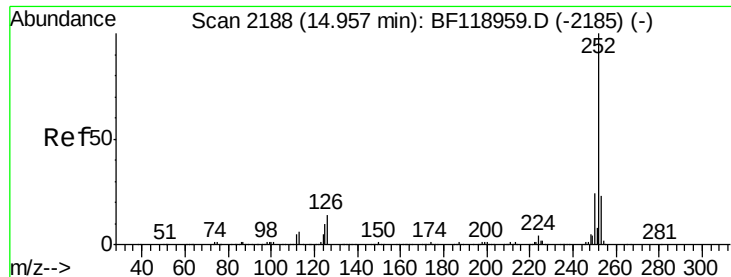
Tot Ion:264 Resp: 216748
Ion Ratio Lower Upper
264 100
260 22.4 19.4 29.2
265 21.0 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 12.167 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

Tgt Ion:252 Resp: 173830
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.2 7.4 11.0#

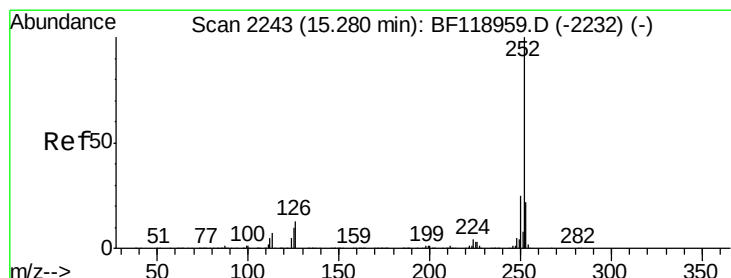
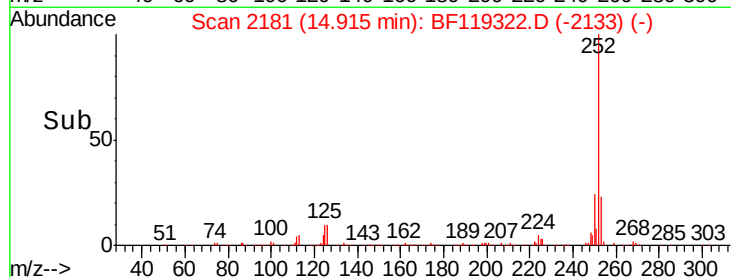
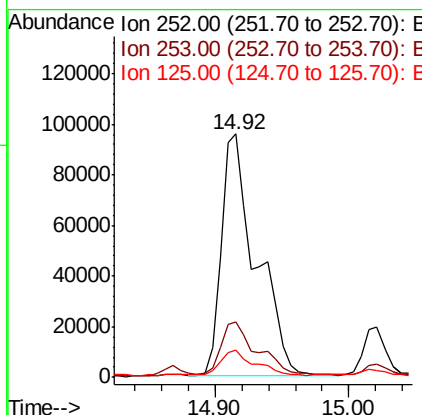
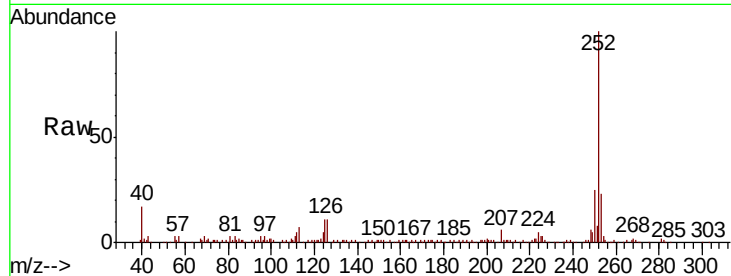




#89
Benzo(k)fluoranthene
Concen: 13.106 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

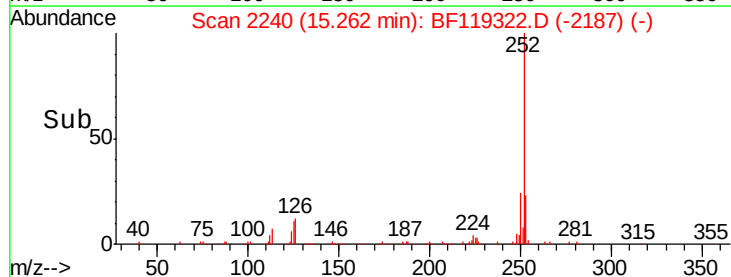
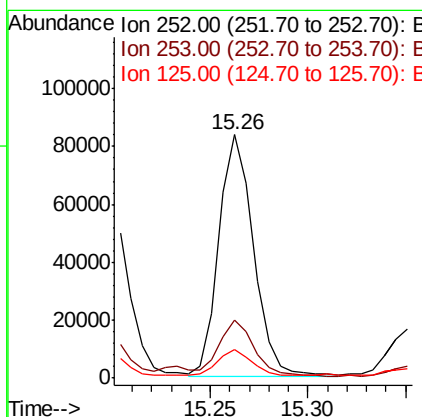
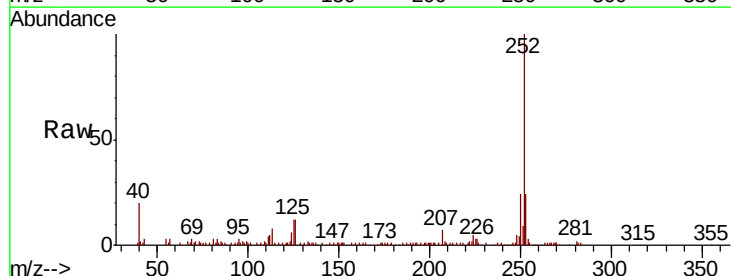
Instrument :
BNA_F
ClientSampleId :

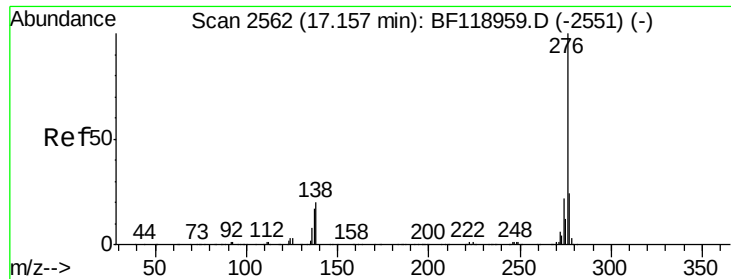
Tot Ion:252 Resp: 173522
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 11.2 7.5 11.3



#90
Benzo(a)pyrene
Concen: 7.994 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119322.D
Acq: 10 Mar 2020 17:51

Tgt Ion:252 Resp: 103072
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 11.5 8.6 12.8

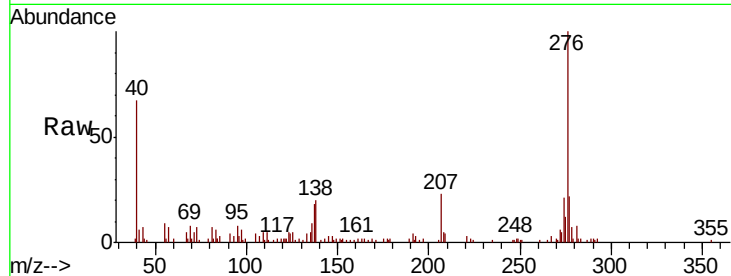




#92
 Benzo(a,h,i)perylene
 Concen: 4.700 ng
 RT: 17.17 min Scan# 2564
 Delta R.T. 0.03 min
 Lab File: BF119322.D
 Acq: 10 Mar 2020 17:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	21.7	18.7	28.1	
138	20.2	14.3	21.5	



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

