

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022620\
 Data File : BF119099.D
 Acq On : 26 Feb 2020 17:23
 Operator : CG/JU
 Sample : L1370-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 06:08:59 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	6.75	152	150563	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	537189	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	243699	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	371728	20.00	ng	0.00
76) Chrysene-d12	13.90	240	368471	20.00	ng	0.00
87) Perylene-d12	15.33	264	410892	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	358861	39.83	ng	0.00
7) Phenol-d6	6.39	99	416117	37.98	ng	-0.02
23) Nitrobenzene-d5	7.30	82	260836	25.64	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	94326	29.59	ng	-0.01
45) 2-Fluorobiphenyl	9.10	172	517454	31.28	ng	-0.01
79) Terphenyl-d14	12.84	244	477637	22.32	ng	-0.01

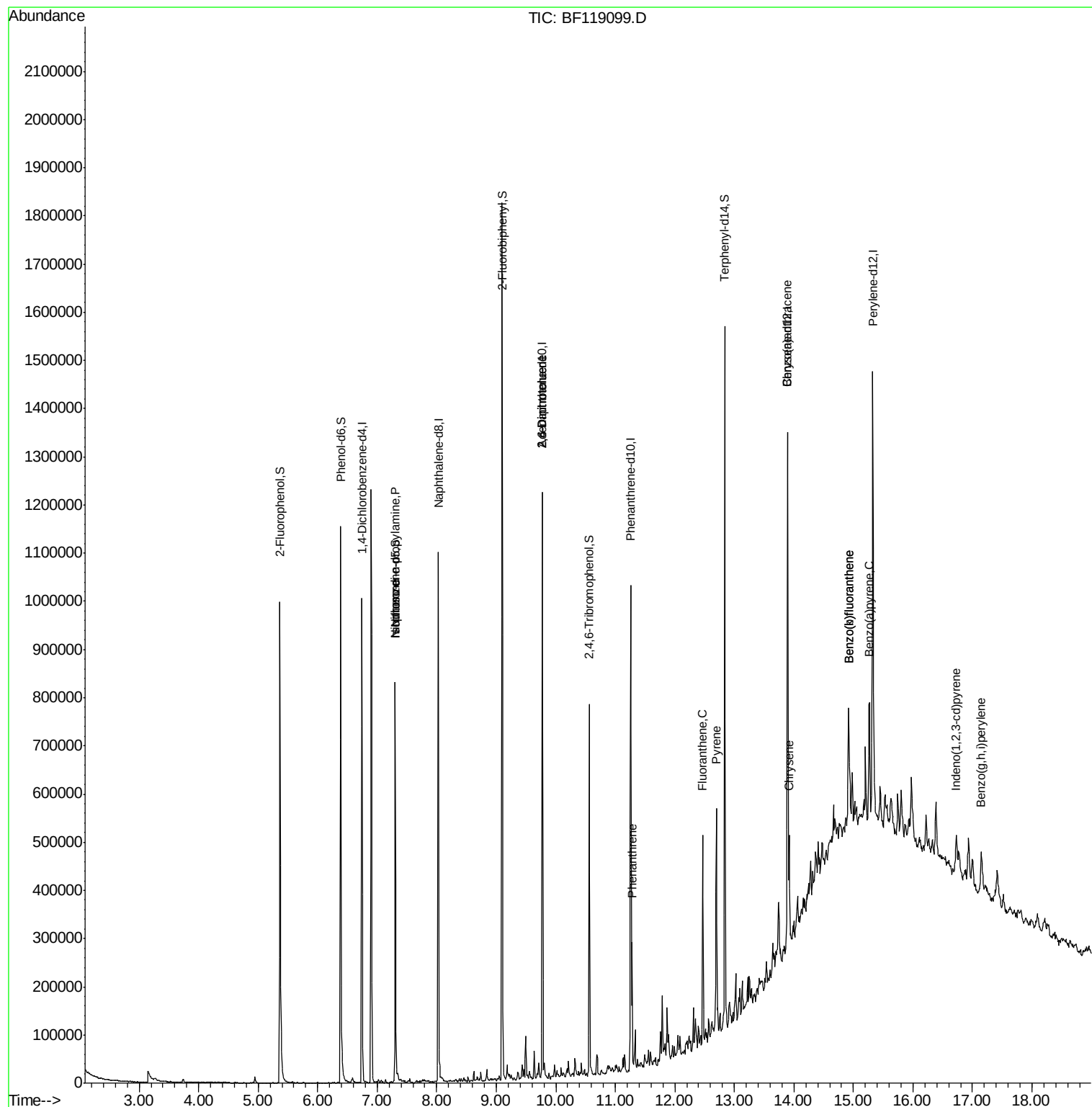
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	35474	5.556	ng	# 75
25) Isophorone	7.30	82	256926	14.541	ng	# 63
51) 2,6-Dinitrotoluene	9.77	165	32466	7.842	ng	# 33
57) 2,4-Dinitrotoluene	9.77	165	32466	6.050	ng	# 21
71) Phenanthrene	11.28	178	95817	4.727	ng	98
75) Fluoranthene	12.47	202	159306	7.403	ng	99
78) Pyrene	12.70	202	176352	5.960	ng	97
81) Benzo(a)anthracene	13.89	228	96002	3.824	ng	96
83) Chrysene	13.92	228	97271	3.888	ng	96
86) Indeno(1,2,3-cd)pyrene	16.73	276	56614	2.337	ng	96
88) Benzo(b)fluoranthene	14.92	252	174257	6.434	ng	# 95
89) Benzo(k)fluoranthene	14.92	252	174257	6.943	ng	# 95
90) Benzo(a)pyrene	15.27	252	104843	4.289	ng	97
92) Benzo(a,h,i)perylene	17.15	276	58404	2.748	ng	94

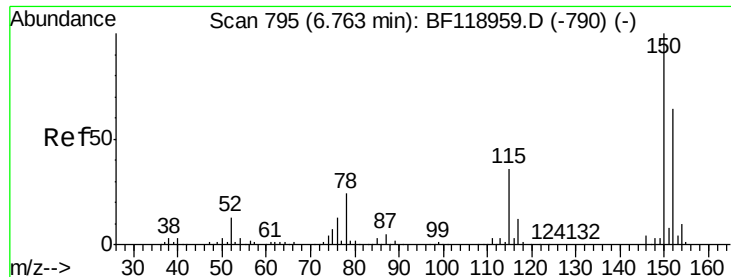
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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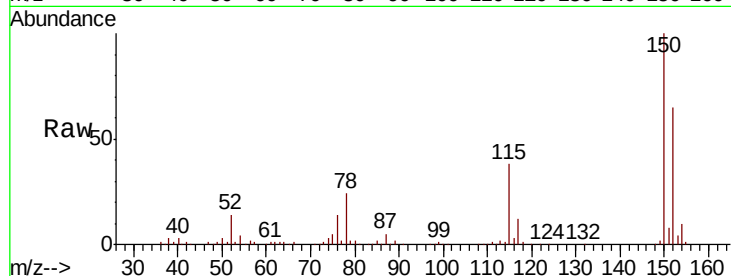


#1

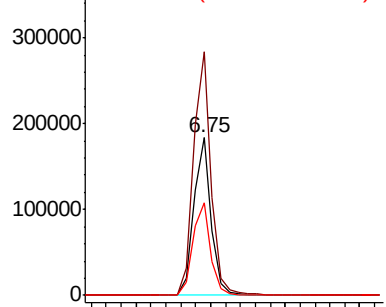
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Instrument :
BNA_F
ClientSampleId :

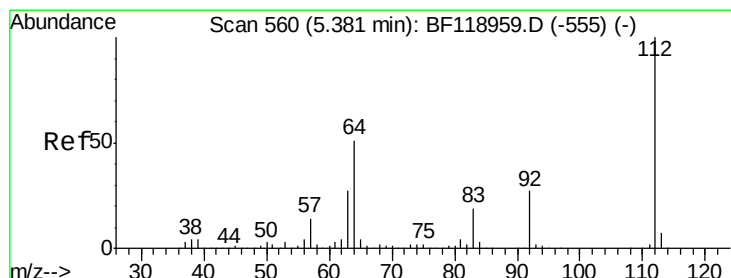
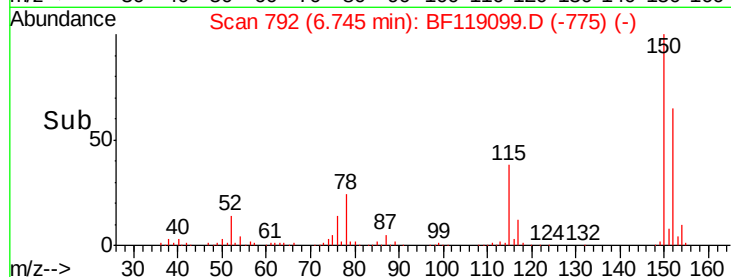
Tot Ion:152 Resp: 150563
Ion Ratio Lower Upper
152 100
150 154.7 123.0 184.6
115 59.1 49.5 74.3



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



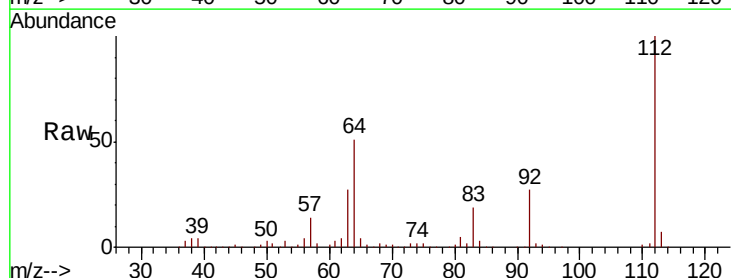
Time-->



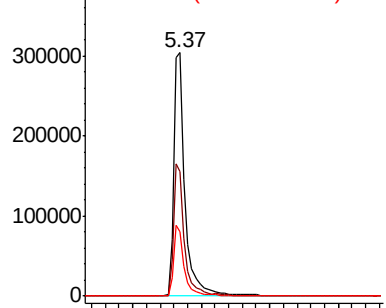
#5

2-Fluorophenol
Concen: 39.832 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

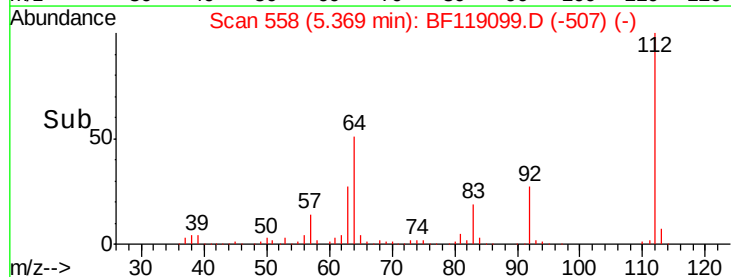
Tgt Ion:112 Resp: 358861
Ion Ratio Lower Upper
112 100
64 51.2 45.0 67.4
63 26.6 24.2 36.4

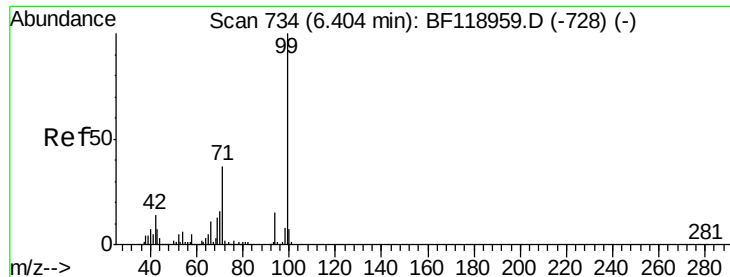


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 37.977 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Instrument :

BNA_F

ClientSampled :

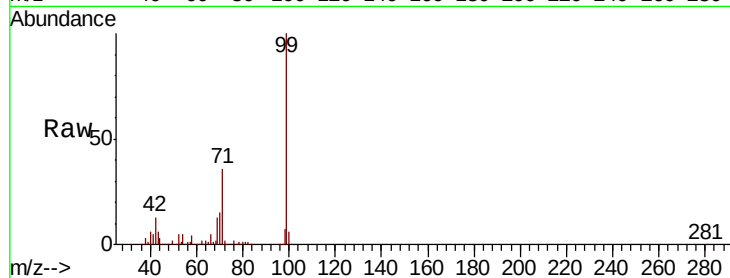
Tot Ion: 99 Resp: 416117

Ion Ratio Lower Upper

99 100

42 13.3 12.6 18.8

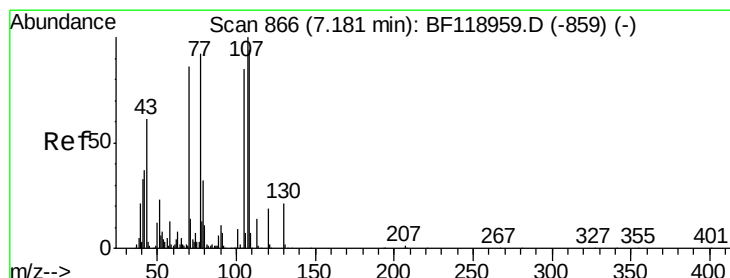
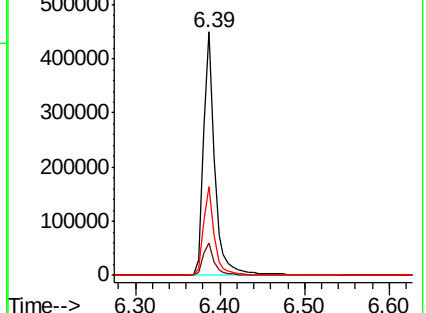
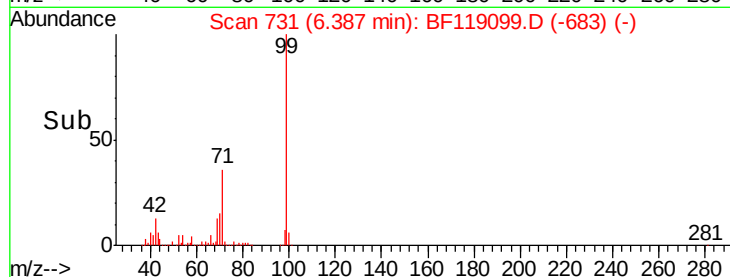
71 36.4 31.0 46.4



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: 5.556 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Tgt Ion: 70 Resp: 35474

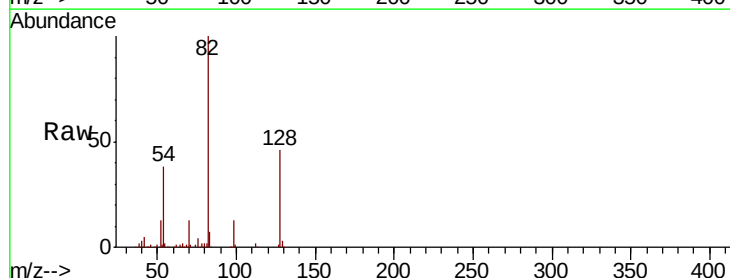
Ion Ratio Lower Upper

70 100

42 37.3 38.0 57.0#

101 0.0 8.2 12.4#

130 2.0 18.2 27.4#

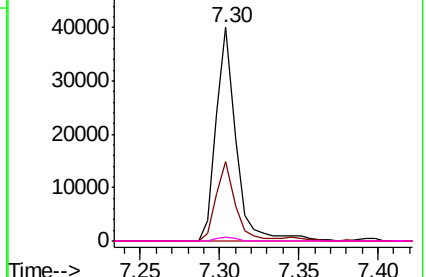
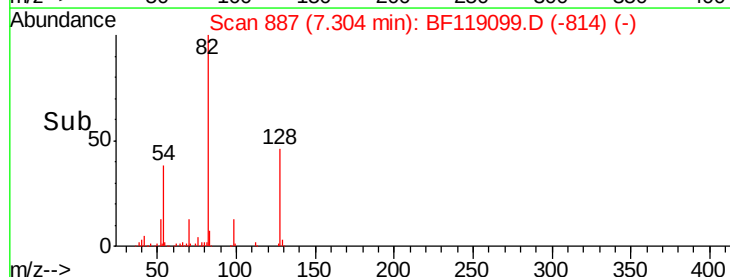


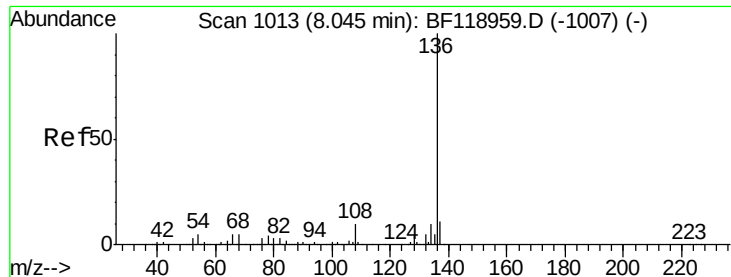
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 537189

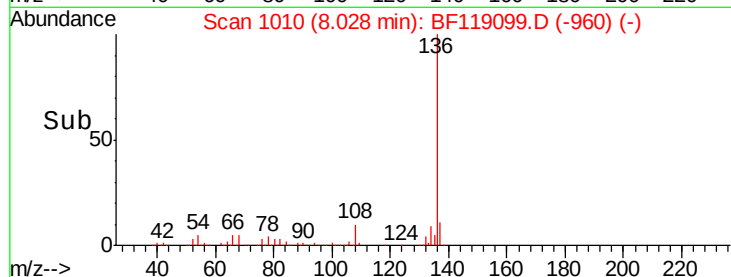
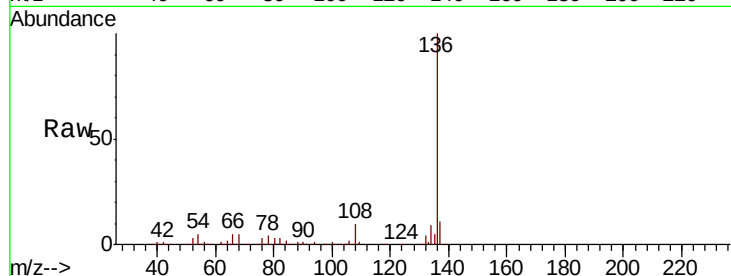
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 4.7 3.8 5.6

68 5.0 3.9 5.9

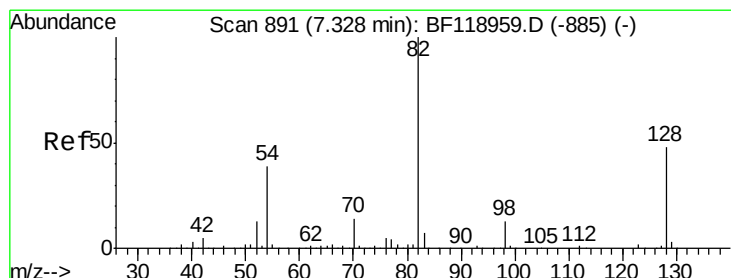
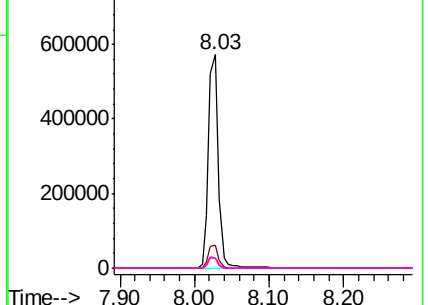


Abundance Ion 136.00 (135.70 to 136.70): E

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: 25.637 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

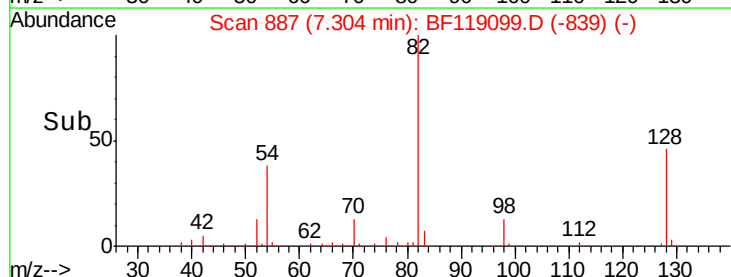
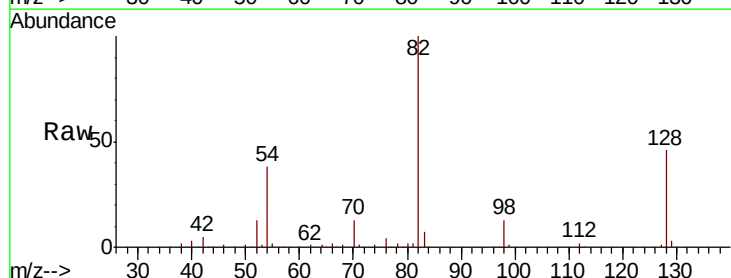
Tgt Ion: 82 Resp: 260836

Ion Ratio Lower Upper

82 100

128 46.1 37.9 56.9

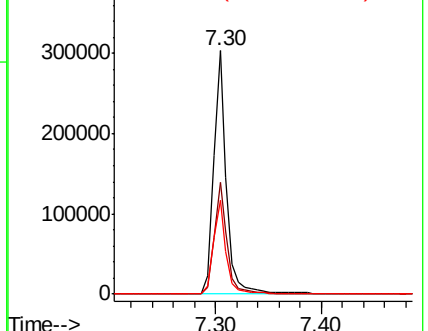
54 38.4 33.4 50.2

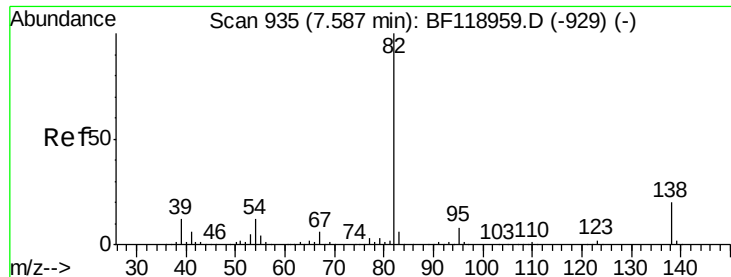


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 14.541 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Instrument :

BNA_F

ClientSampleId :

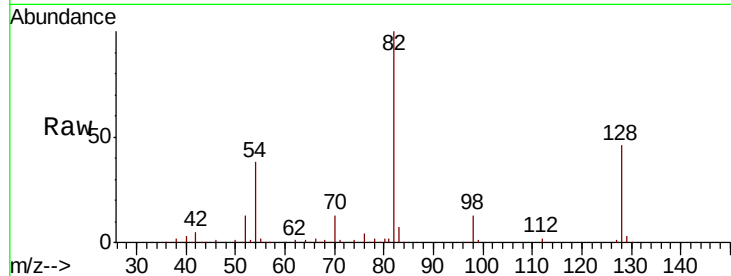
Tot Ion: 82 Resp: 256926

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

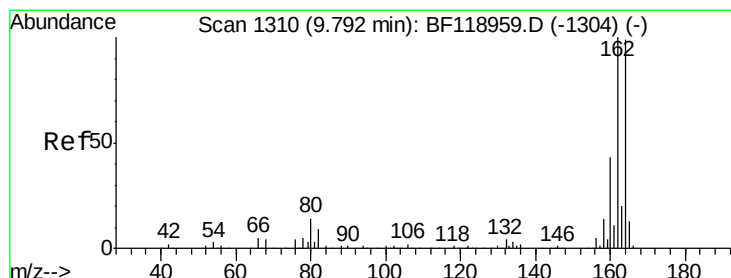
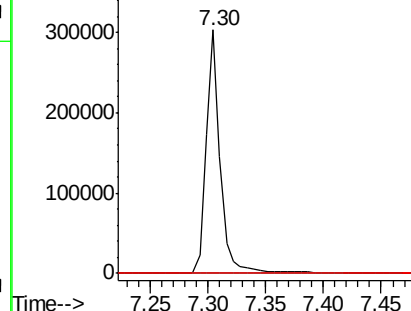
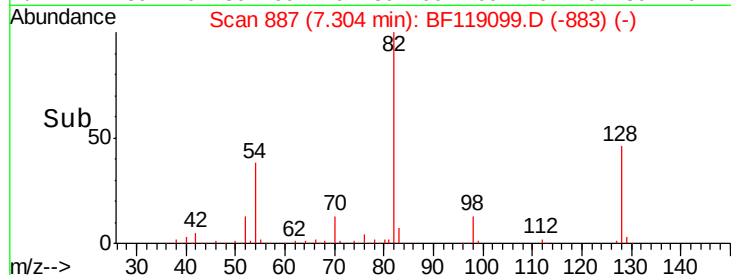
138 0.0 15.7 23.5#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

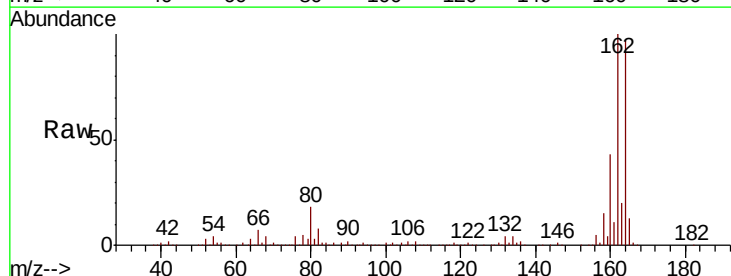
Tgt Ion: 164 Resp: 243699

Ion Ratio Lower Upper

164 100

162 103.0 81.8 122.8

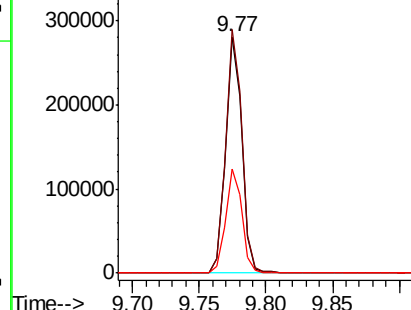
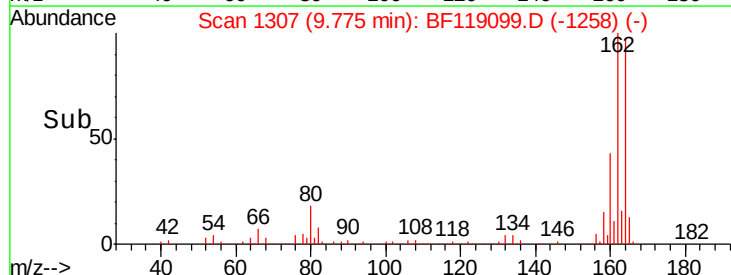
160 44.3 36.0 54.0

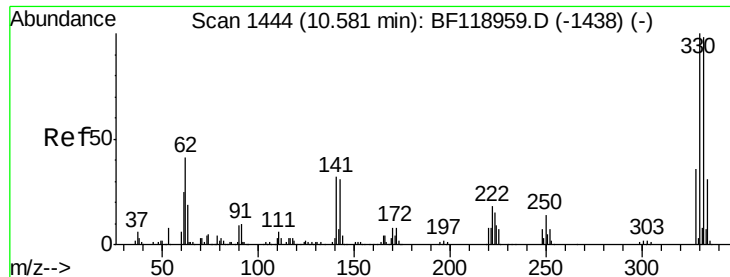


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

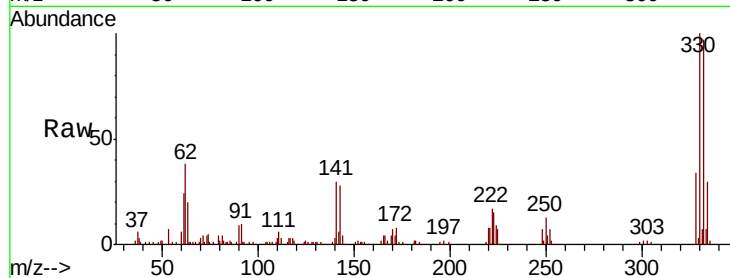




#42
 2,4,6-Tribromophenol
 Concen: 29.588 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF119099.D
 Acq: 26 Feb 2020 17:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.0	114.0
141	32.5	22.9	34.3

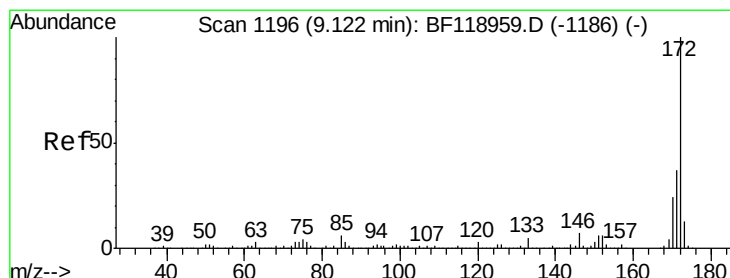
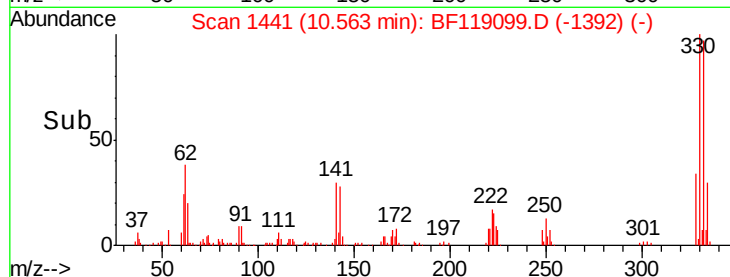
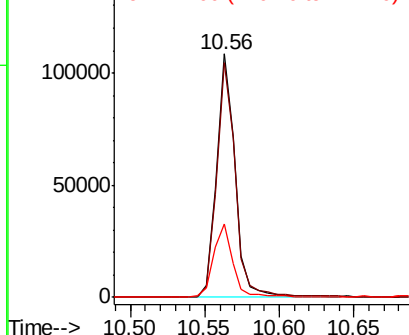


Abundance

Ion 329.80 (329.50 to 330.50): E

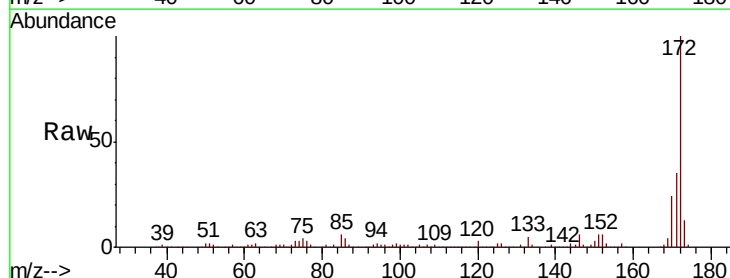
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 31.280 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF119099.D
 Acq: 26 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.6	45.8
170	23.7	20.2	30.2

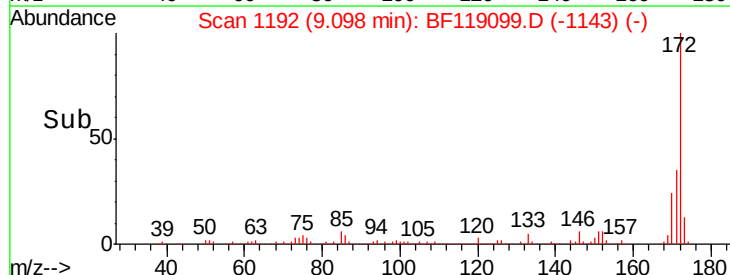
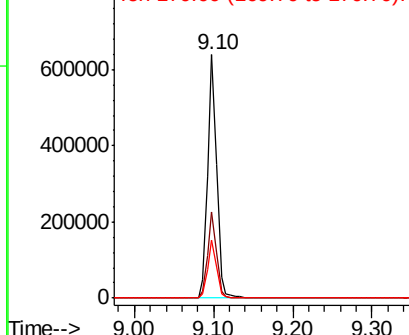


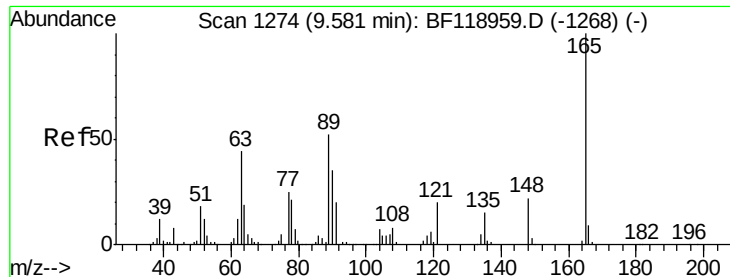
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 7.842 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.19 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Instrument :

BNA_F

ClientSampled :

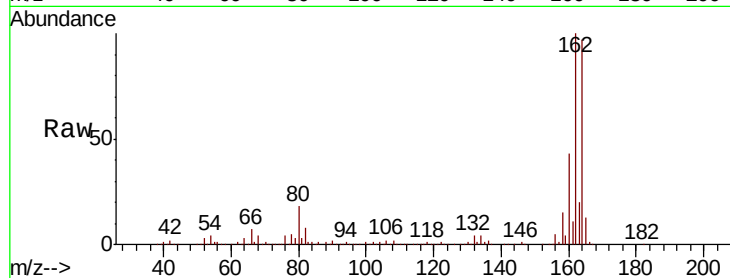
Tot Ion:165 Resp: 32466

Ion Ratio Lower Upper

165 100

63 1.1 34.3 51.5#

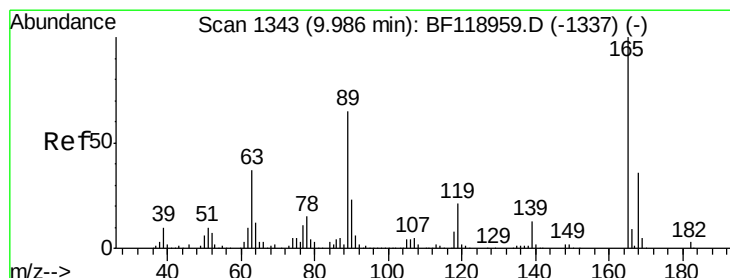
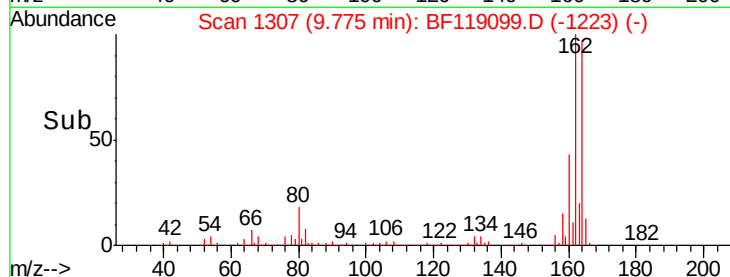
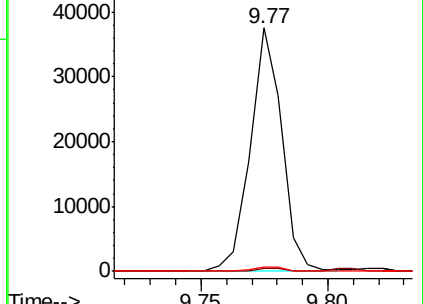
89 1.9 38.3 57.5#



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: 6.050 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.21 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Tgt Ion:165 Resp: 32466

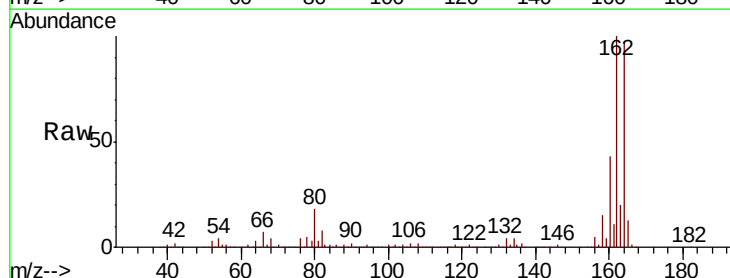
Ion Ratio Lower Upper

165 100

63 1.1 42.3 63.5#

89 1.9 60.2 90.4#

182 1.1 2.3 3.5#

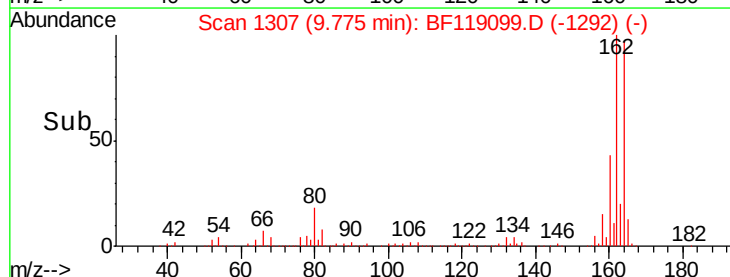
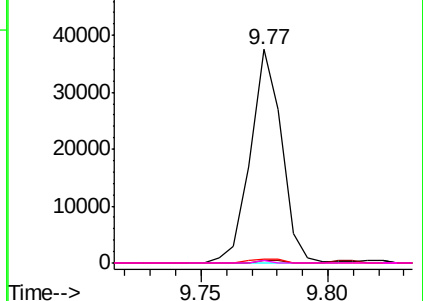


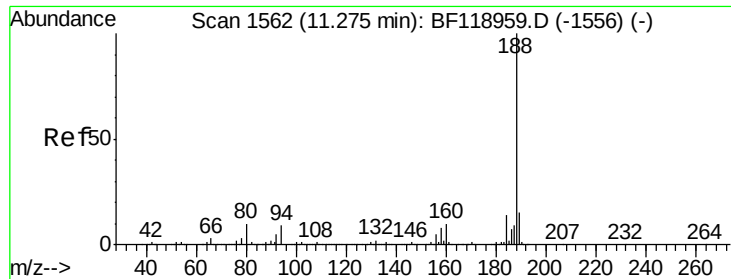
Abundance Ion 165.00 (164.70 to 165.70): E

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

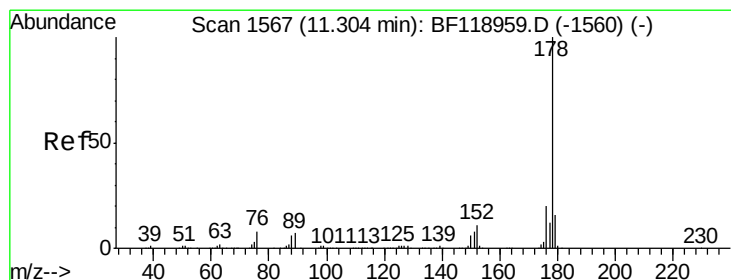
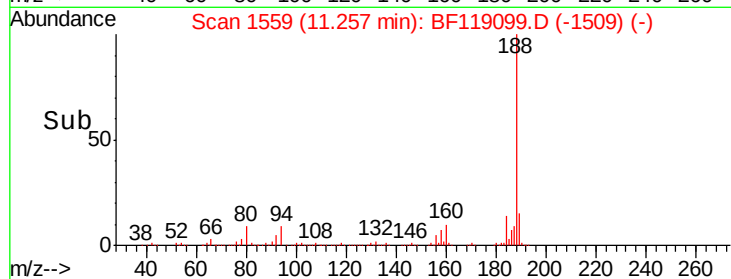
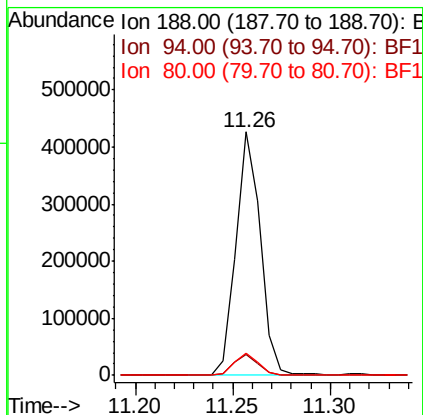
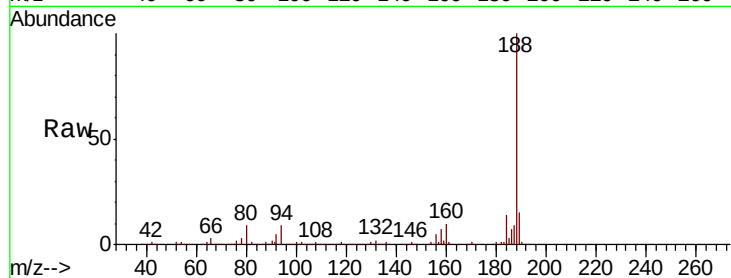




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

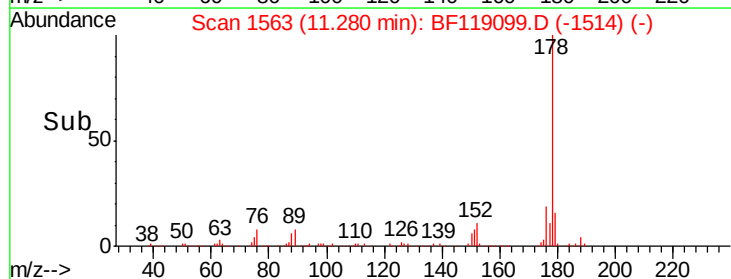
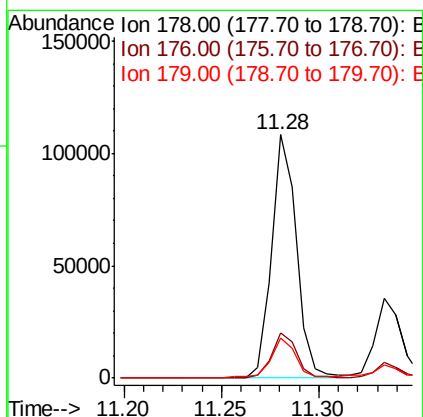
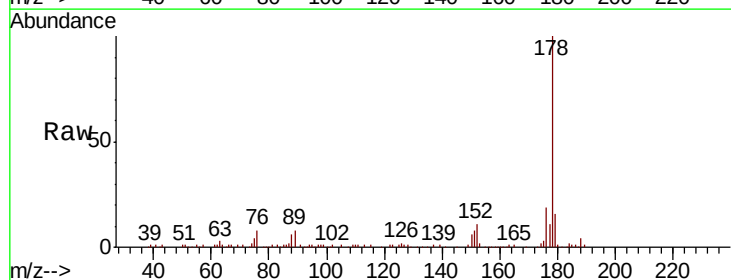
Instrument :
BNA_F
ClientSampleId :

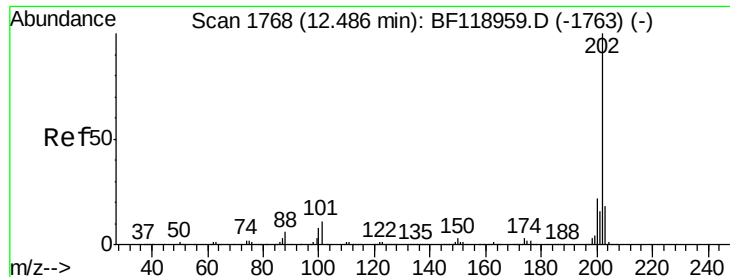
Tot Ion:188 Resp: 371728
Ion Ratio Lower Upper
188 100
94 8.6 7.1 10.7
80 9.1 7.8 11.8



#71
Phenanthrene
Concen: 4.727 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Tgt Ion:178 Resp: 95817
Ion Ratio Lower Upper
178 100
176 18.6 16.5 24.7
179 16.4 13.0 19.6





#75

Fluoranthene

Concen: 7.403 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Instrument :

BNA_F

ClientSampled :

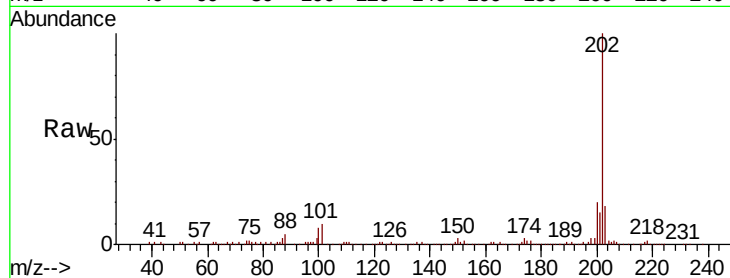
Tot Ion:202 Resp: 159306

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.3

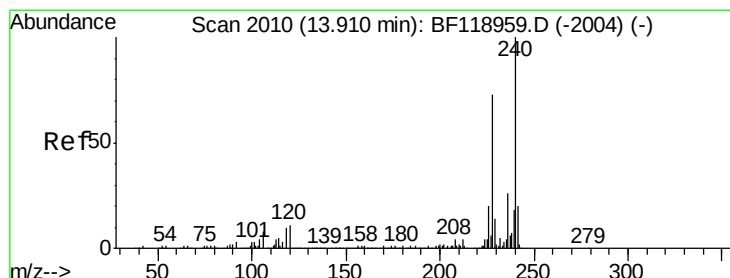
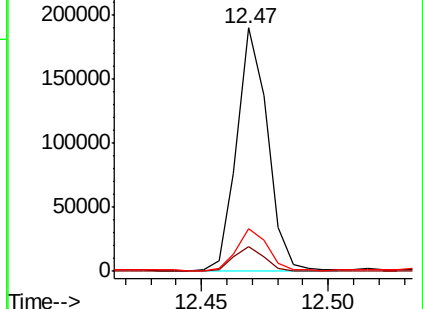
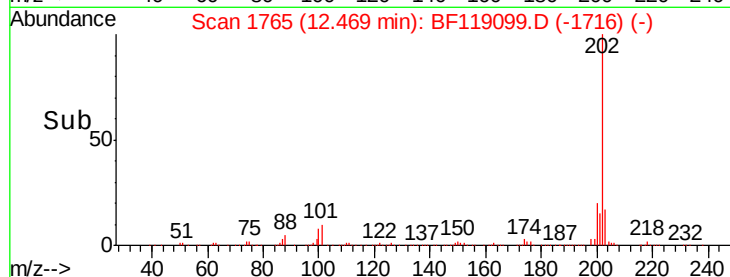
203 17.6 0.0 38.4



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: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

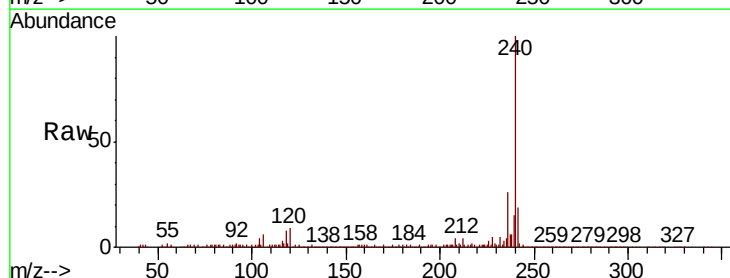
Tgt Ion:240 Resp: 368471

Ion Ratio Lower Upper

240 100

120 8.6 8.4 12.6

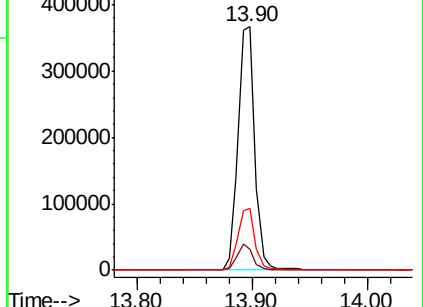
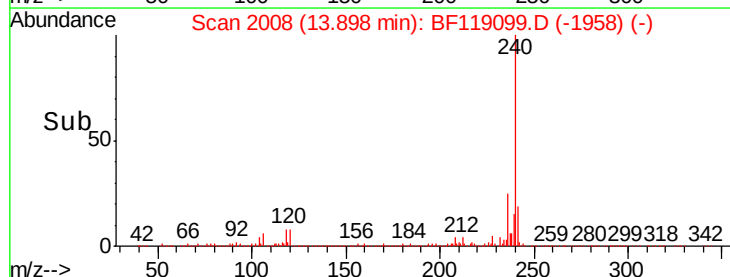
236 25.5 21.0 31.4

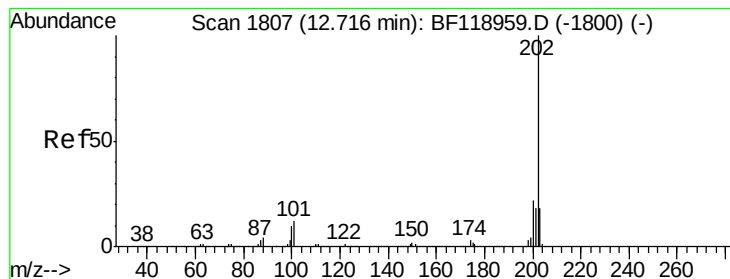


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.960 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Instrument :

BNA_F

ClientSampleId :

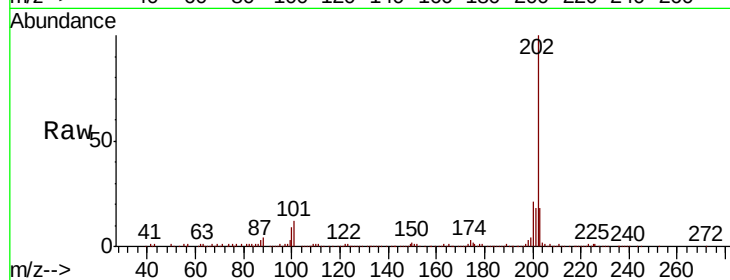
Tot Ion:202 Resp: 176352

Ion Ratio Lower Upper

202 100

200 20.7 18.0 27.0

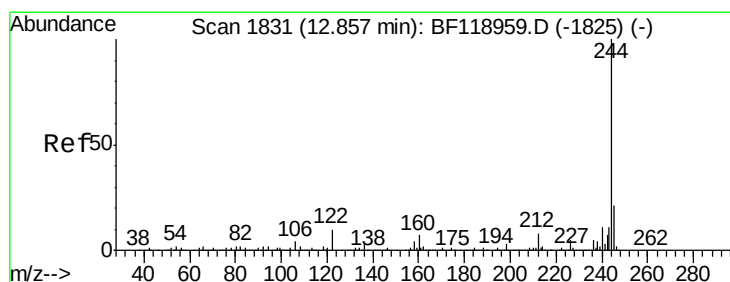
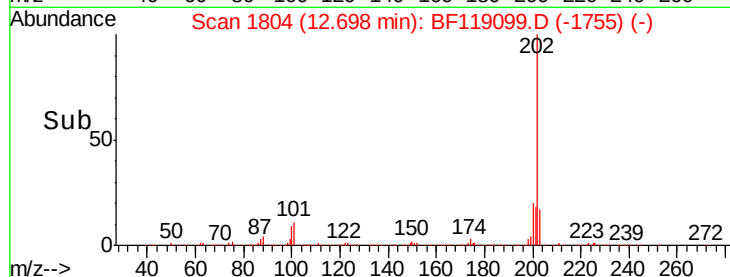
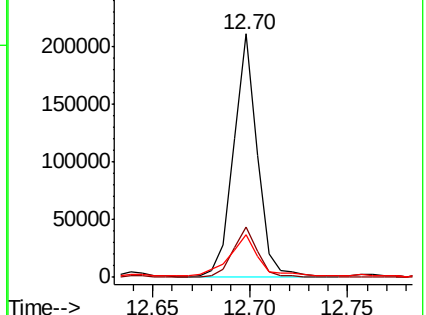
203 17.8 14.6 22.0



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: 22.318 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

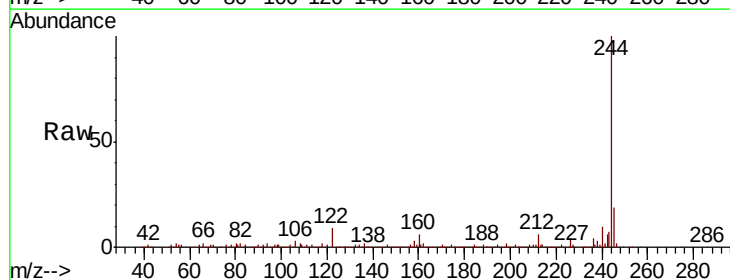
Tgt Ion:244 Resp: 477637

Ion Ratio Lower Upper

244 100

212 6.5 6.6 10.0#

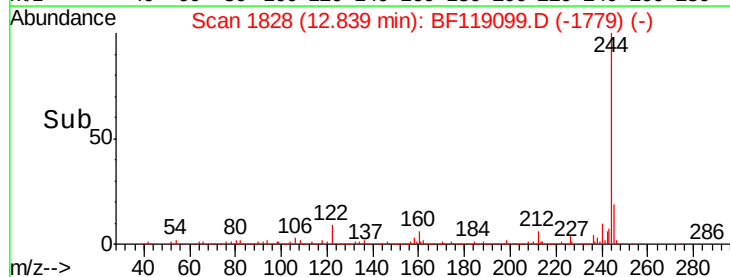
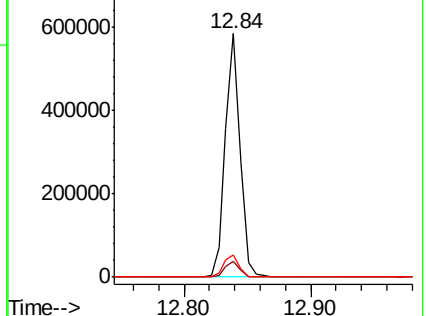
122 9.1 8.2 12.2

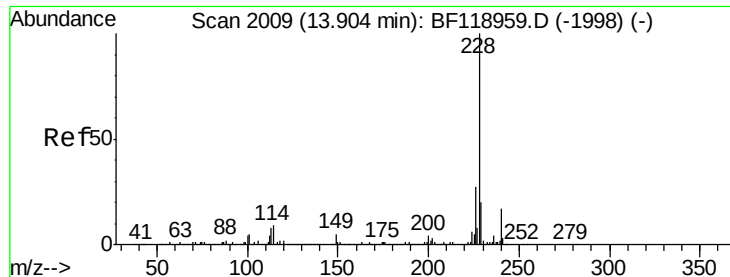


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.824 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Instrument :

BNA_F

ClientSampled :

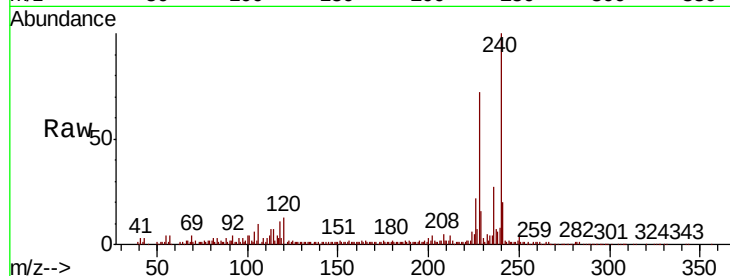
Tot Ion:228 Resp: 96002

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

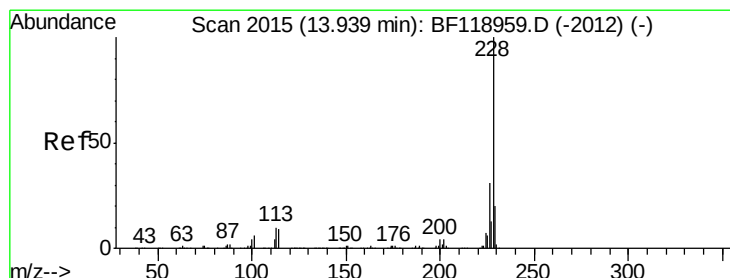
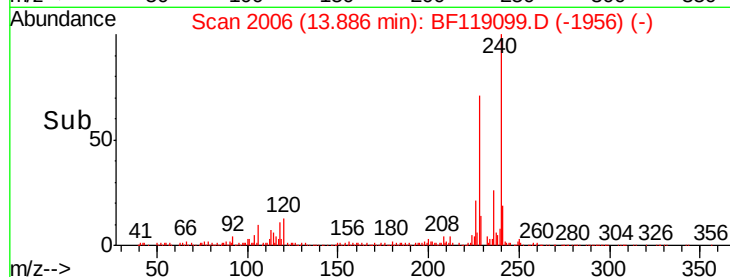
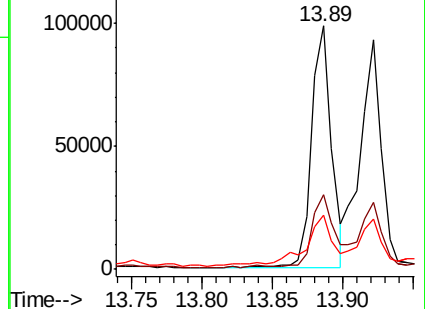
229 22.4 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.888 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

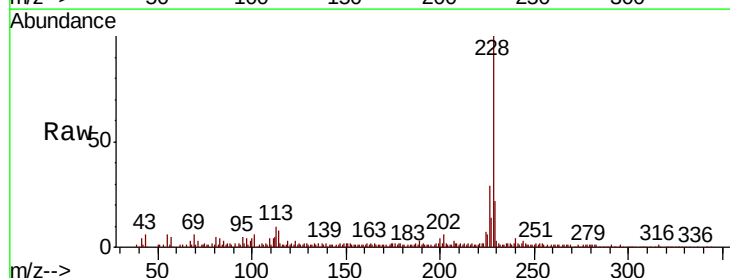
Tgt Ion:228 Resp: 97271

Ion Ratio Lower Upper

228 100

226 28.9 25.1 37.7

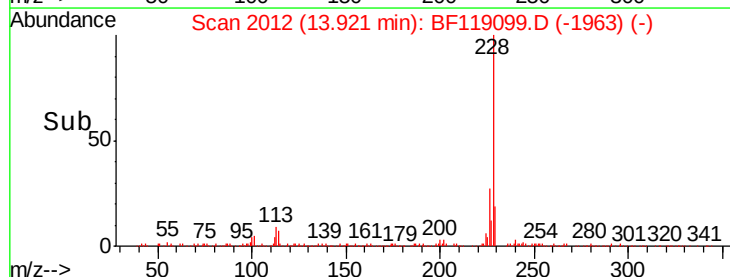
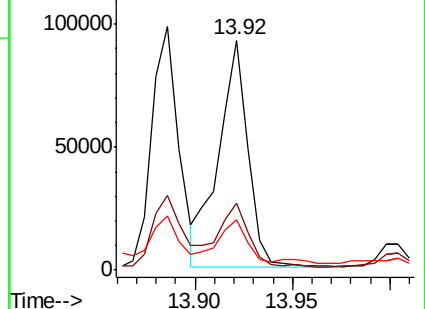
229 22.1 16.3 24.5

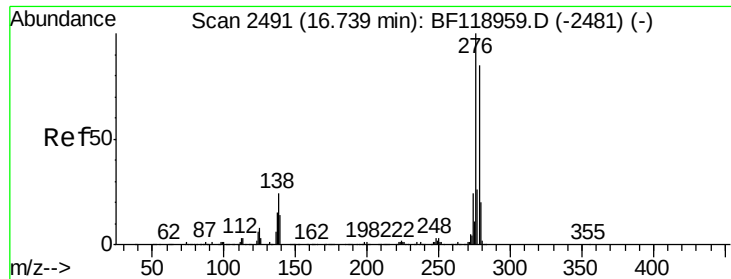


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

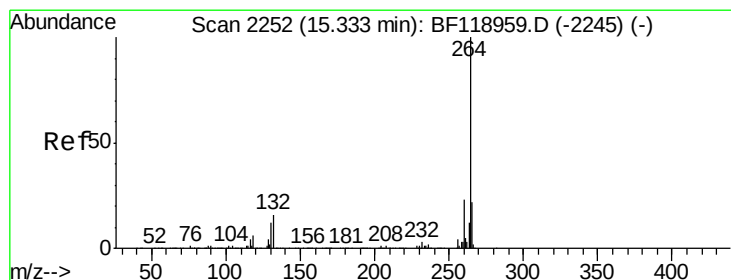
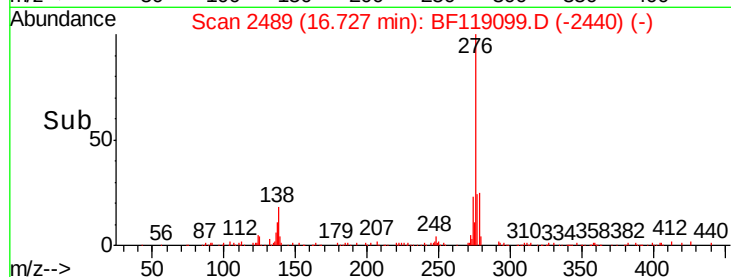
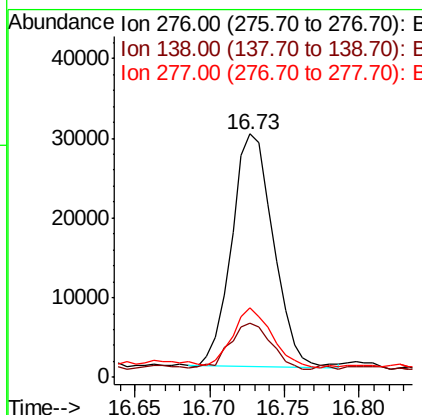
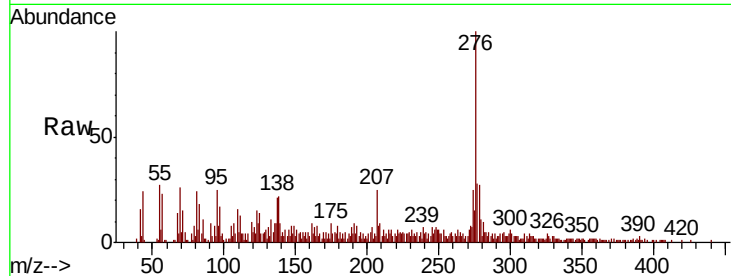




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.337 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. -0.01 min
 Lab File: BF119099.D
 Acq: 26 Feb 2020 17:23

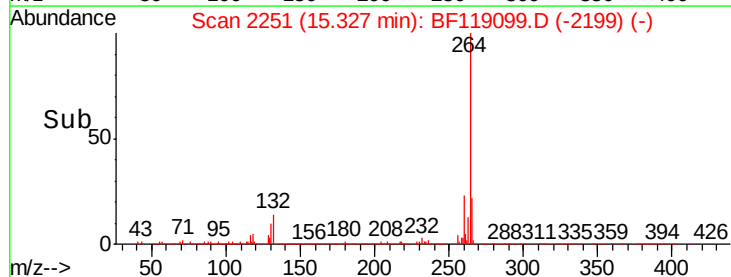
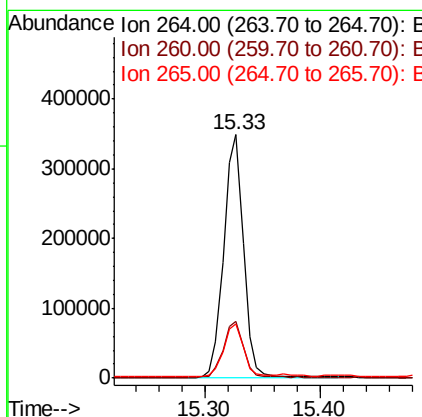
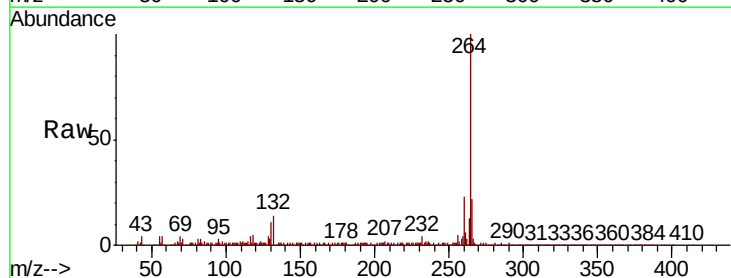
Instrument :
 BNA_F
 ClientSampleId :

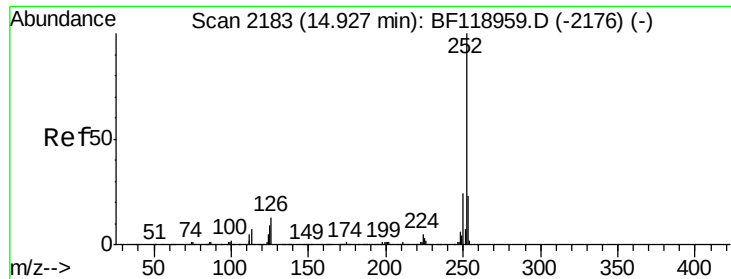
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	17.4	26.0
277	24.0	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF119099.D
 Acq: 26 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	22.0	17.7	26.5

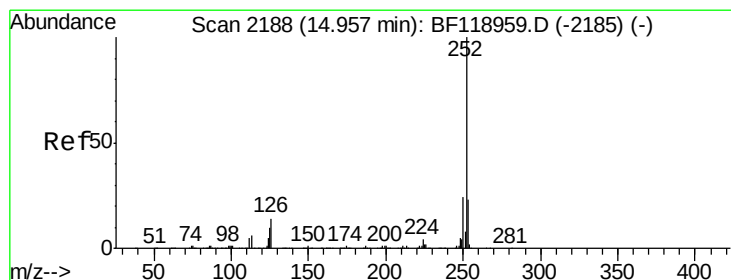
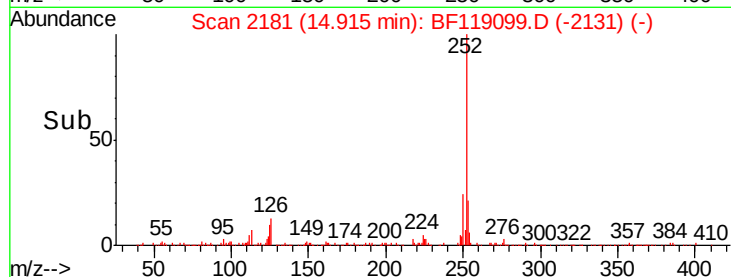
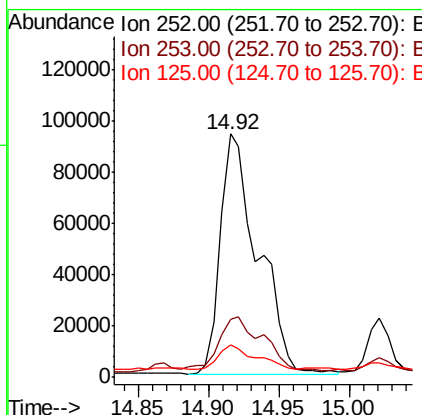
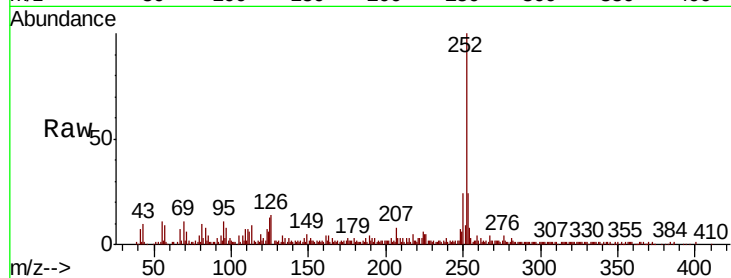




#88
Benzo(b)fluoranthene
Concen: 6.434 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

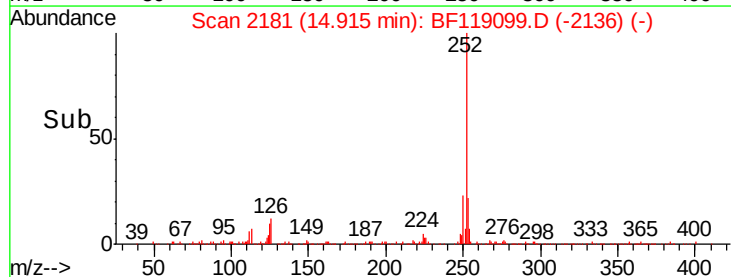
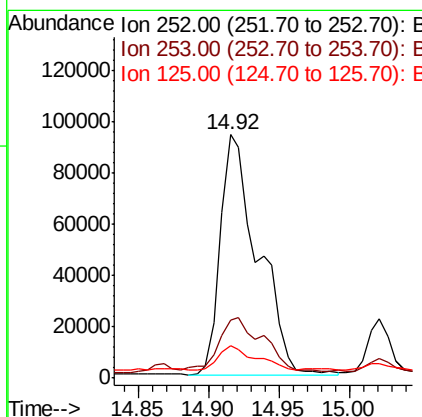
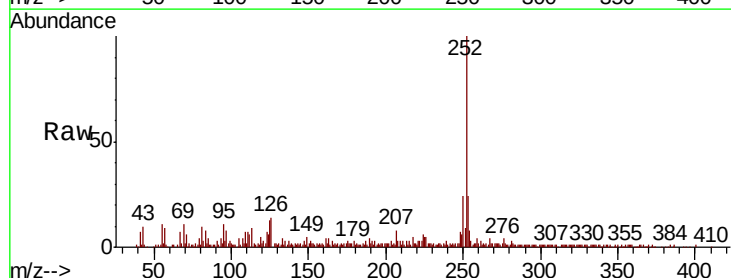
Instrument :
BNA_F
ClientSampleId :

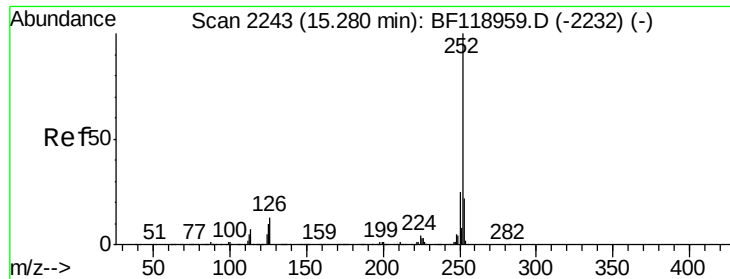
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	13.2	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 6.943 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	13.2	7.5	11.3

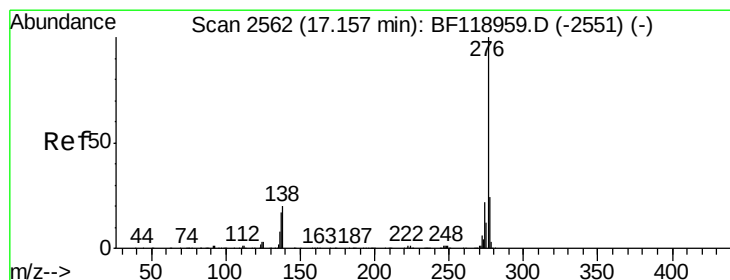
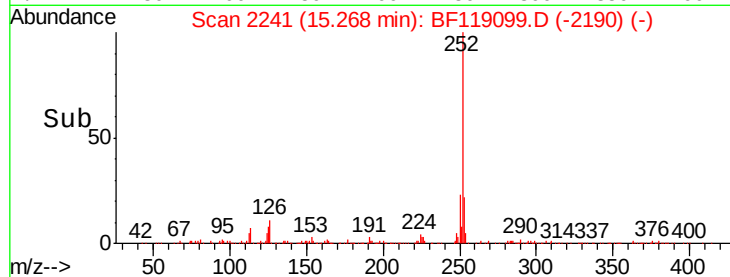
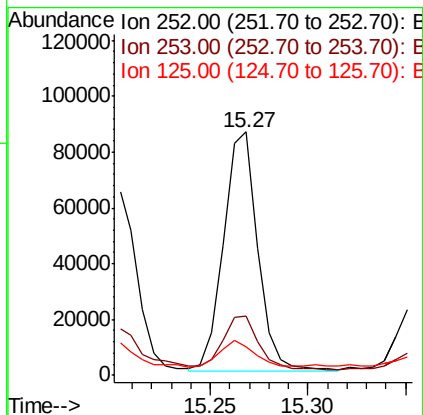
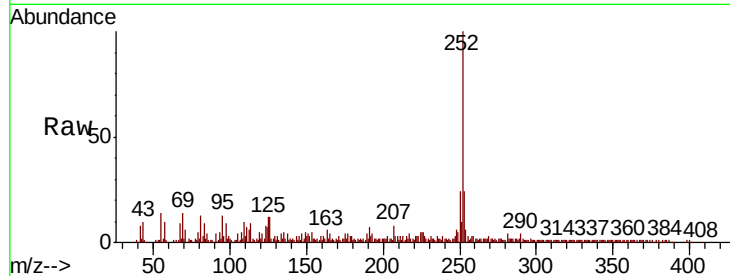




#90
Benzo(a)pyrene
Concen: 4.289 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	11.6	8.6	12.8



#92
Benzo(g,h,i)perylene
Concen: 2.748 ng
RT: 17.15 min Scan# 2561
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	18.7	28.1
138	19.6	14.3	21.5

