

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118983.D
 Acq On : 21 Feb 2020 2:56
 Operator : CG/JU
 Sample : L1551-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 03:29:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	163432	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	565630	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	255108	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	392864	20.00	ng	0.00
76) Chrysene-d12	13.91	240	409971	20.00	ng	0.00
87) Perylene-d12	15.34	264	377934	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	109544	11.20	ng	0.00
7) Phenol-d6	6.40	99	411098	34.56	ng	0.00
23) Nitrobenzene-d5	7.32	82	305819	28.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.58	330	7562	2.27	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	577065	33.32	ng	0.00
79) Terphenyl-d14	12.85	244	570766	23.97	ng	0.00

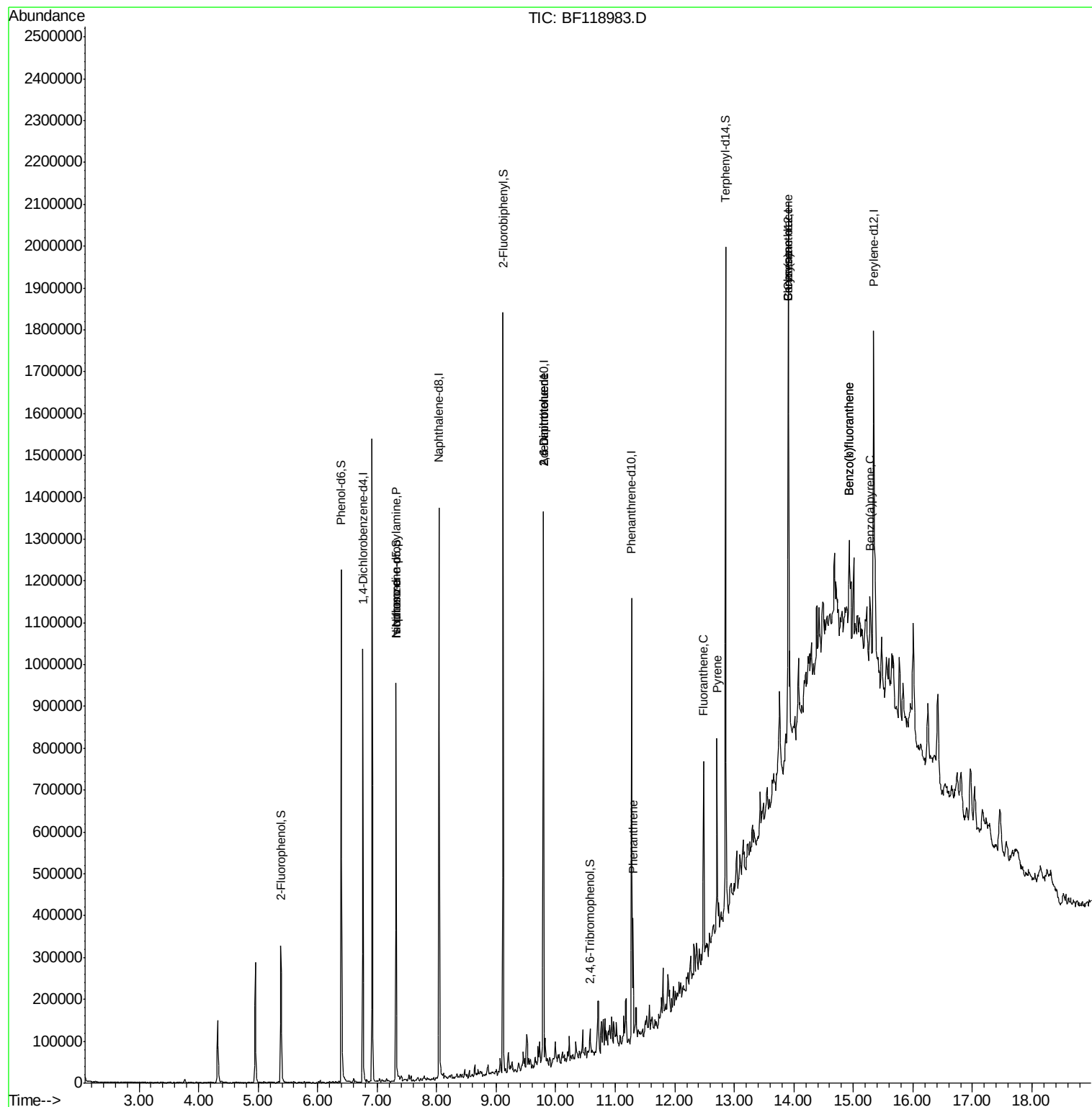
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	40994	5.915	ng	# 77
25) Isophorone	7.32	82	305813	16.437	ng	# 63
51) 2,6-Dinitrotoluene	9.79	165	33997	7.844	ng	# 30
57) 2,4-Dinitrotoluene	9.79	165	33997	6.052	ng	# 29
71) Phenanthrene	11.30	178	110187	5.143	ng	98
75) Fluoranthene	12.48	202	200460	8.815	ng	100
78) Pyrene	12.71	202	188912	5.738	ng	99
81) Benzo(a)anthracene	13.90	228	100321	3.591	ng	95
83) Chrysene	13.90	228	100321	3.604	ng	98
88) Benzo(b)fluoranthene	14.93	252	139879	5.615	ng	# 86
89) Benzo(k)fluoranthene	14.93	252	139879	6.059	ng	# 85
90) Benzo(a)pyrene	15.28	252	69886	3.108	ng	# 82

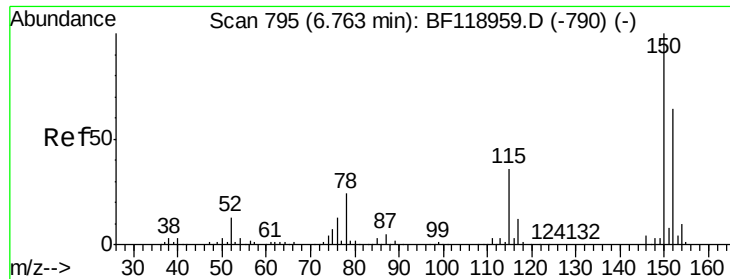
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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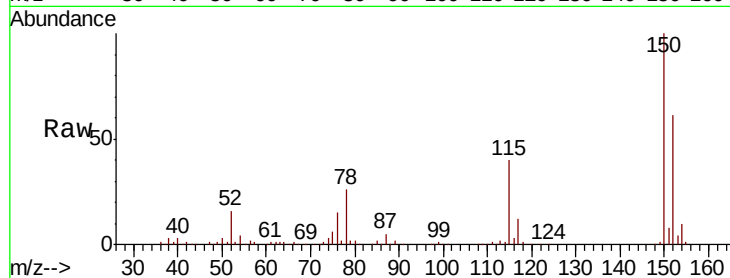


#1

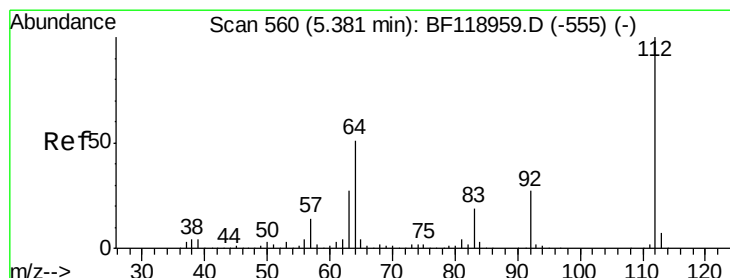
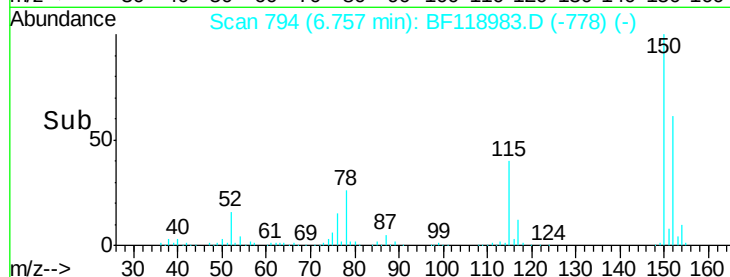
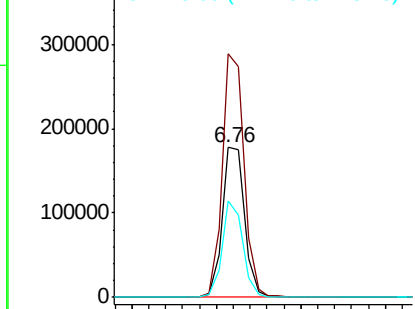
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.8	124.3	186.5
115	64.4	44.6	67.0



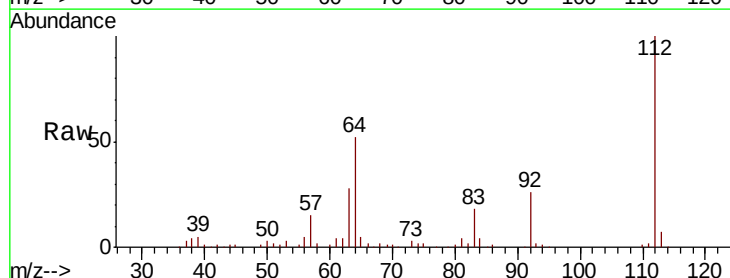
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



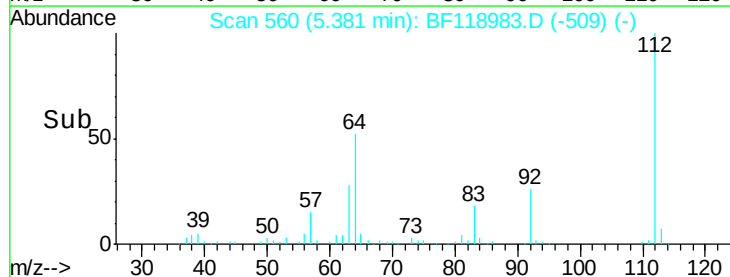
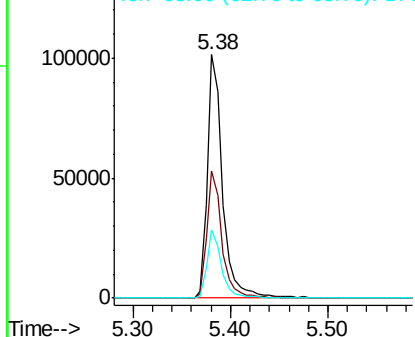
#5

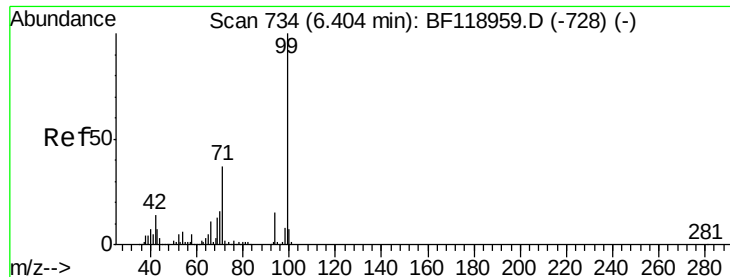
2-Fluorophenol
Concen: 11.201 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	40.4	60.6
63	27.9	21.3	31.9



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: 34.565 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Instrument :

BNA_F

ClientSampleId :

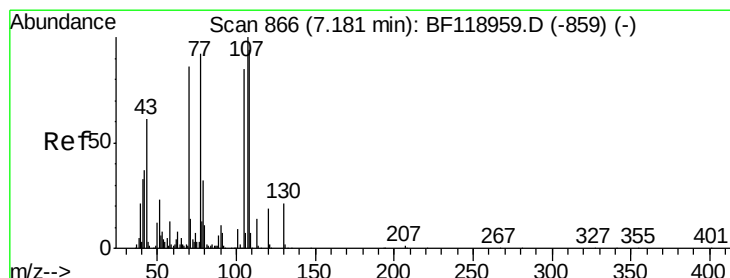
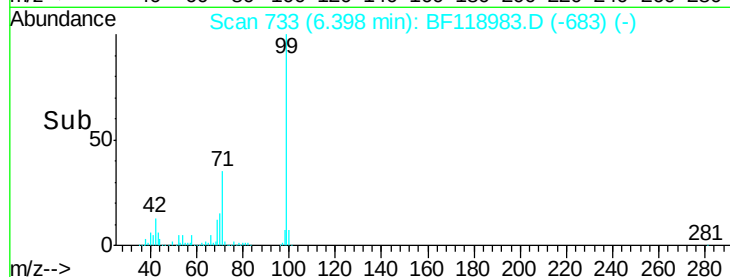
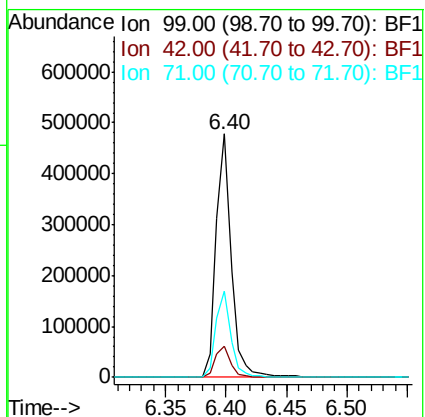
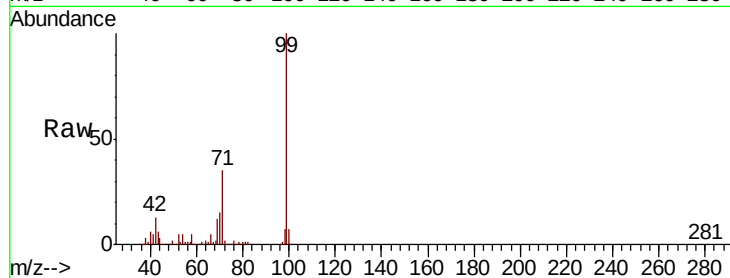
Tot Ion: 99 Resp: 411098

Ion Ratio Lower Upper

99 100

42 13.0 11.4 17.0

71 35.3 29.8 44.6



#19

n-Nitroso-di-n-propylamine

Concen: 5.915 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Tgt Ion: 70 Resp: 40994

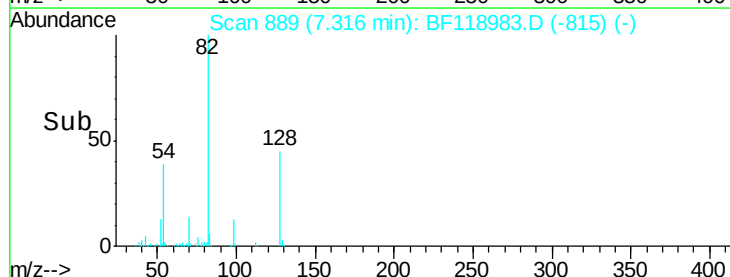
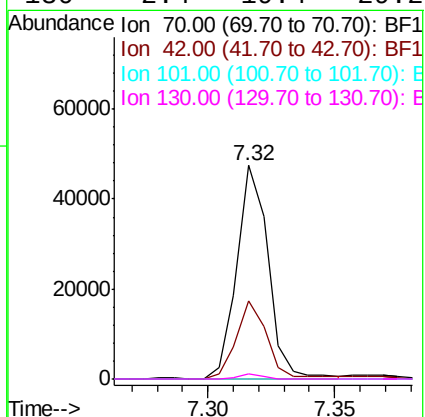
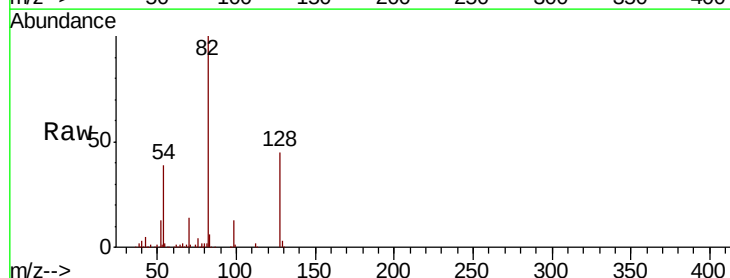
Ion Ratio Lower Upper

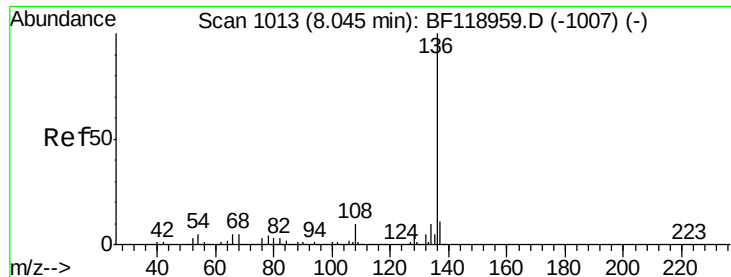
70 100

42 36.3 34.6 51.8

101 0.0 8.1 12.1#

130 2.4 19.4 29.2#

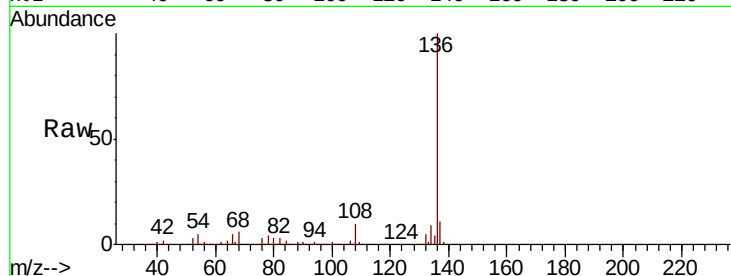




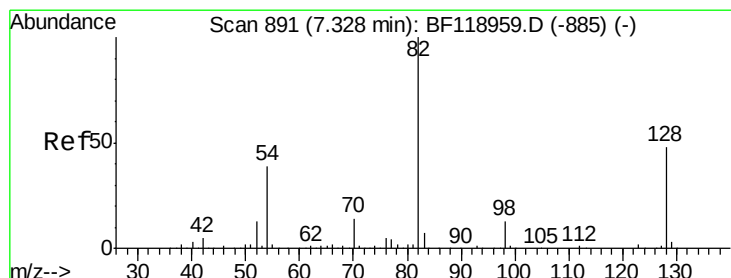
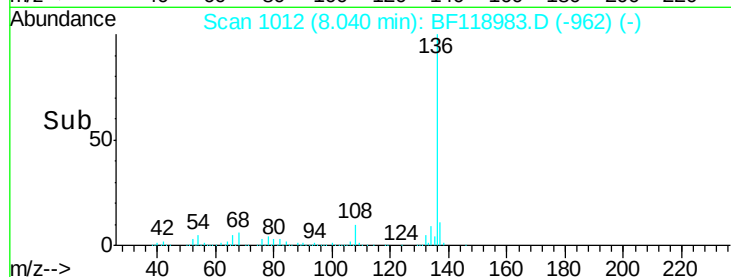
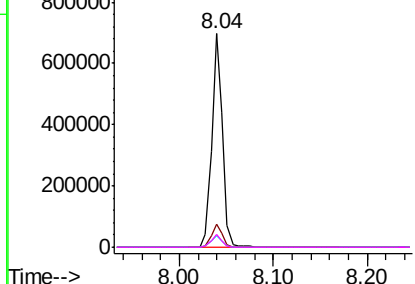
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	565630
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	5.1	3.8 5.6
68	5.7	4.2 6.2

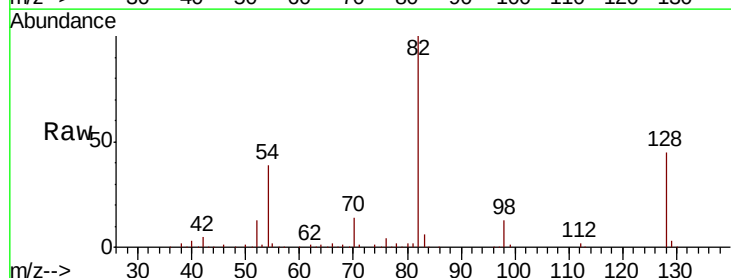


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

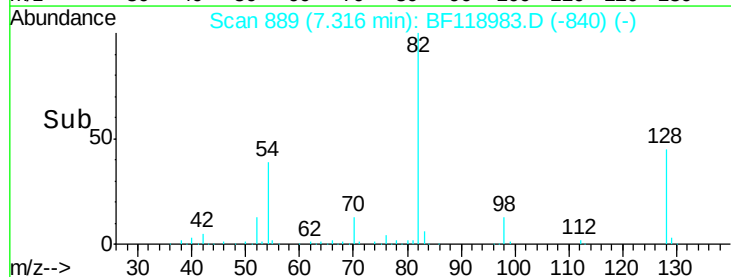
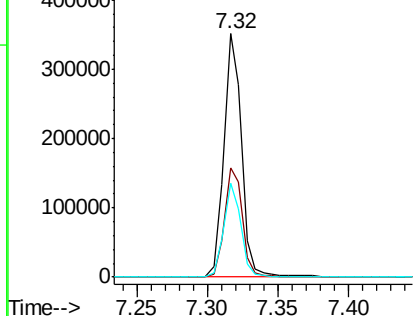


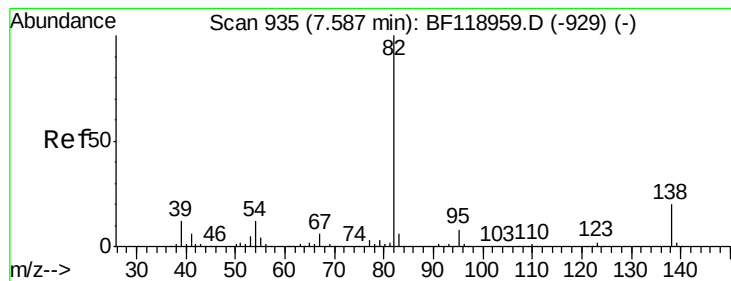
#23
Nitrobenzene-d5
Concen: 28.547 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

Tgt Ion: 82	Resp:	305819
Ion Ratio	Lower	Upper
82	100	
128	44.7	38.2 57.2
54	38.6	31.3 46.9



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: 16.437 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Instrument :

BNA_F

ClientSampleId :

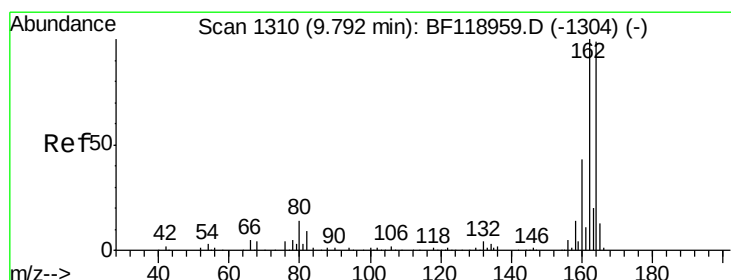
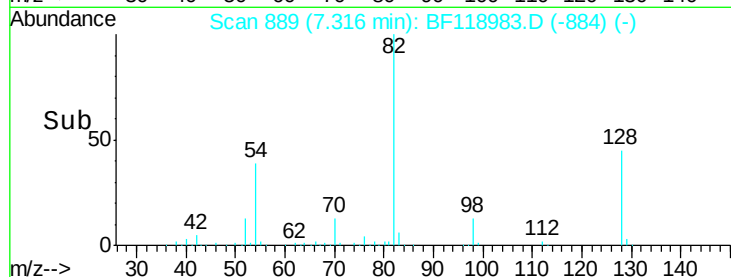
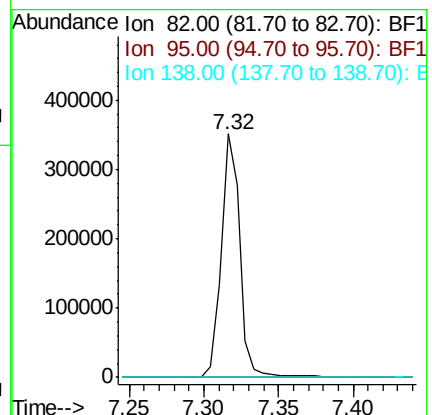
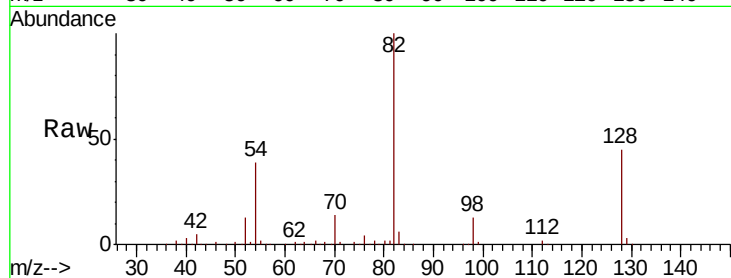
Tot Ion: 82 Resp: 305813

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

138 0.0 15.8 23.6#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

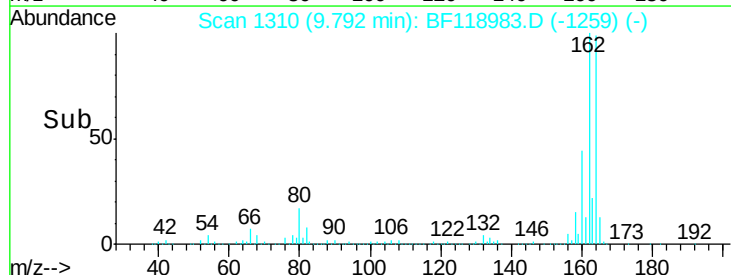
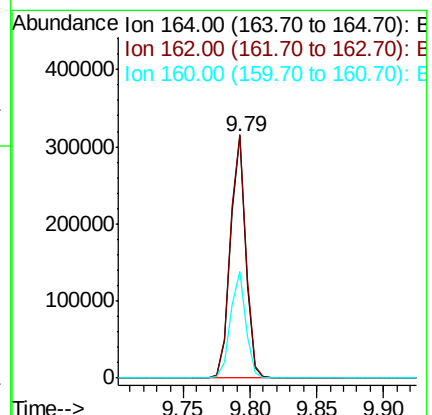
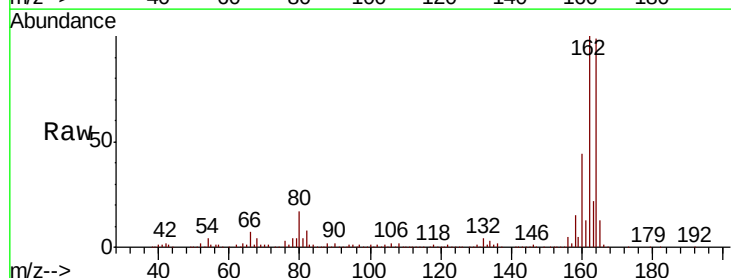
Tgt Ion:164 Resp: 255108

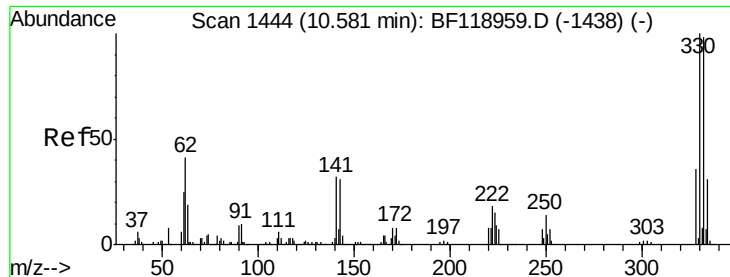
Ion Ratio Lower Upper

164 100

162 100.7 81.2 121.8

160 44.0 35.2 52.8

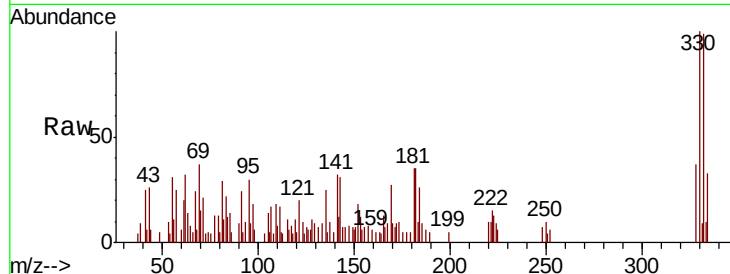




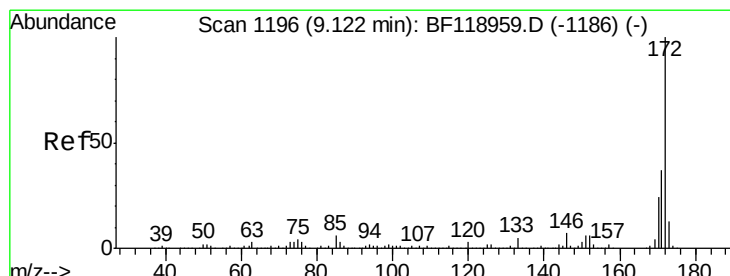
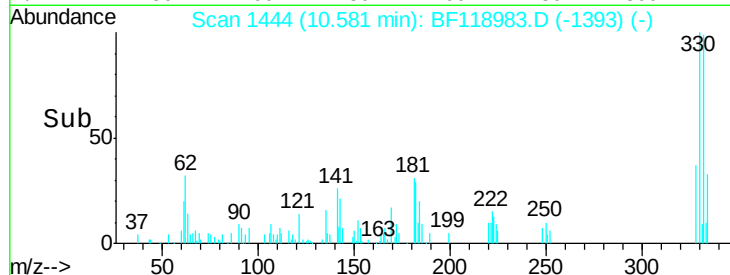
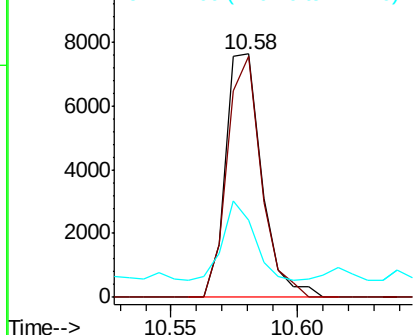
#42
 2,4,6-Tribromophenol
 Concen: 2.266 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: BF118983.D
 Acq: 21 Feb 2020 2:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.1	115.7
141	28.7	23.0	34.6

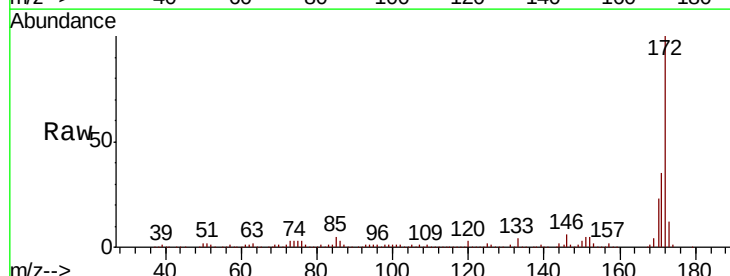


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

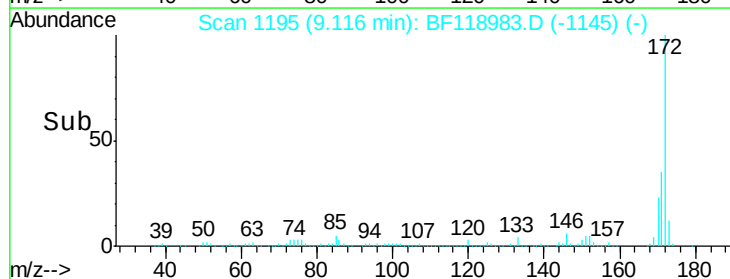
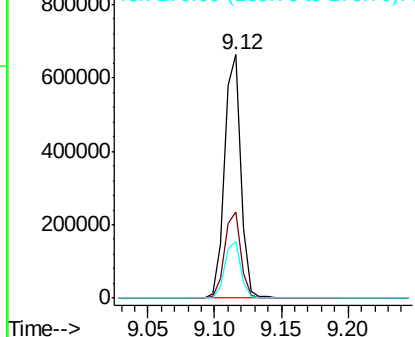


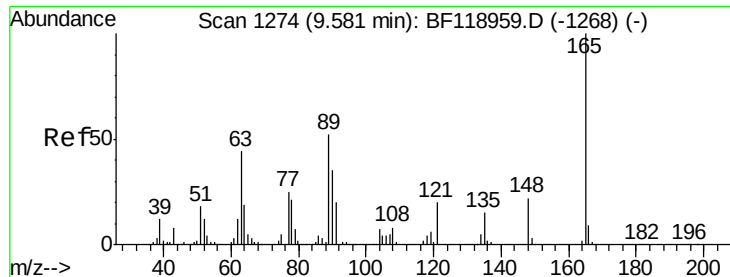
#45
 2-Fluorobiphenyl
 Concen: 33.324 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF118983.D
 Acq: 21 Feb 2020 2:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.2
170	23.2	19.6	29.4



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

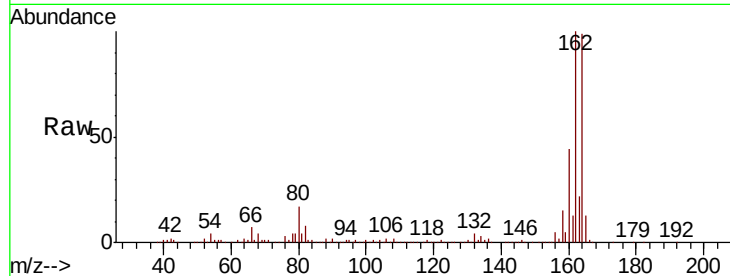




#51
 2,6-Dinitrotoluene
 Concen: 7.844 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF118983.D
 Acq: 21 Feb 2020 2:56

Instrument :
 BNA_F
 ClientSampleId :

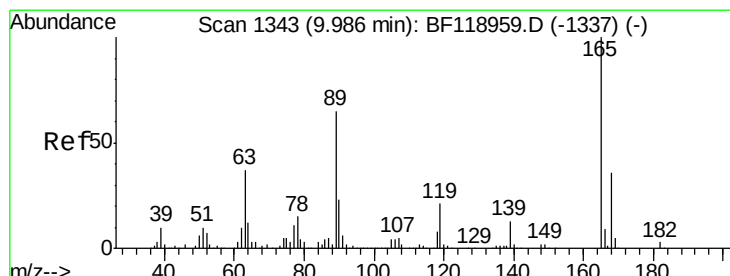
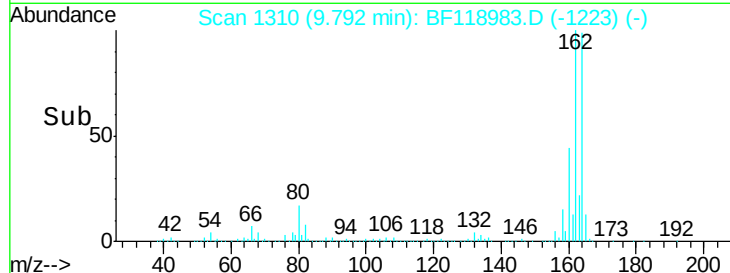
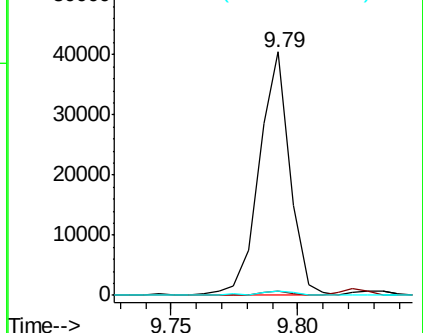
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	37.9	56.9#
89	1.5	41.4	62.0#



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: 6.052 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF118983.D
 Acq: 21 Feb 2020 2:56

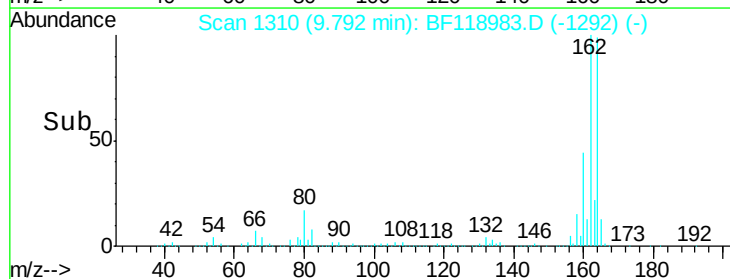
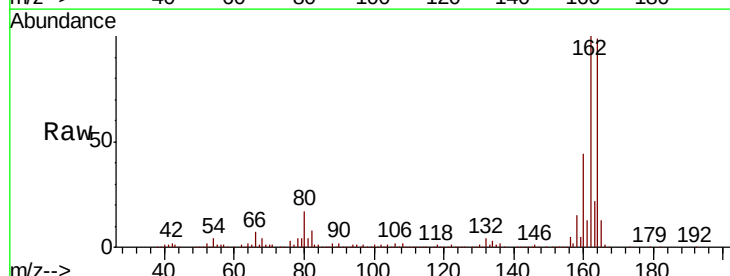
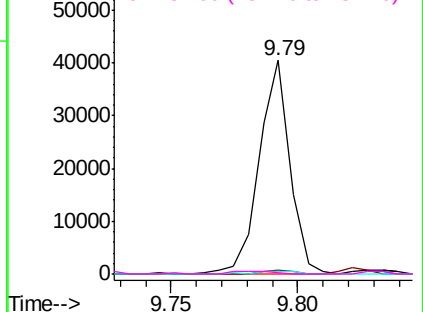
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	29.8	44.8#
89	1.5	51.9	77.9#
182	0.8	2.3	3.5#

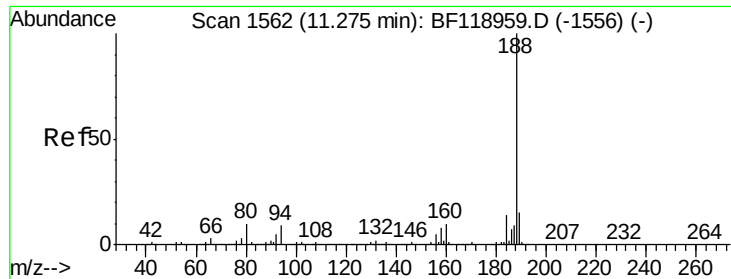
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Instrument :

BNA_F

ClientSampleId :

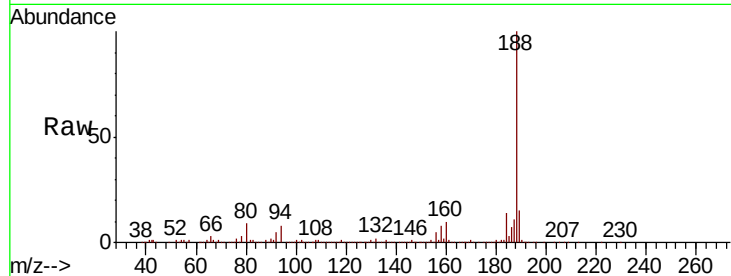
Tot Ion:188 Resp: 392864

Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.6

80 8.8 7.9 11.9



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

11.27

600000

500000

400000

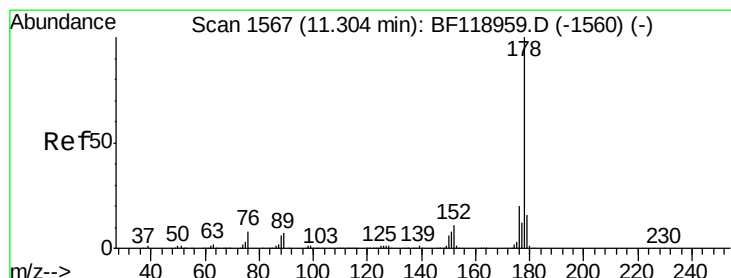
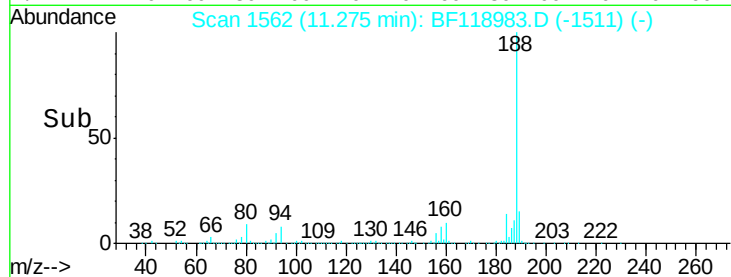
300000

200000

100000

0

Time-->



#71

Phenanthrene

Concen: 5.143 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

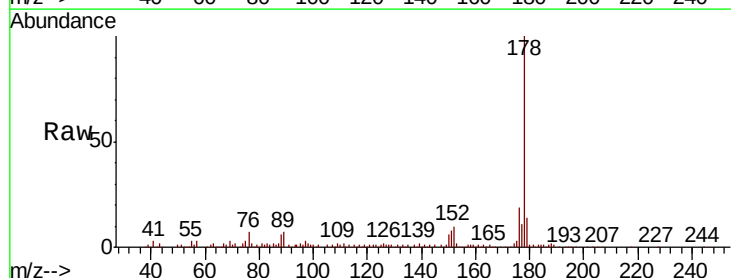
Tgt Ion:178 Resp: 110187

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

179 14.4 12.6 18.8



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

11.30

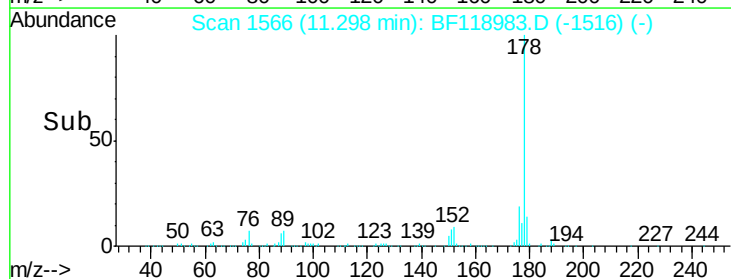
150000

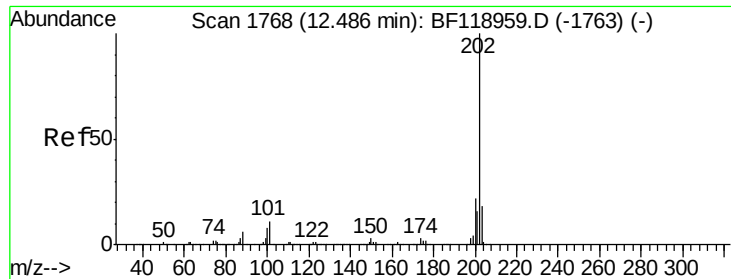
100000

50000

0

Time-->





#75

Fluoranthene

Concen: 8.815 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Instrument :

BNA_F

ClientSampleId :

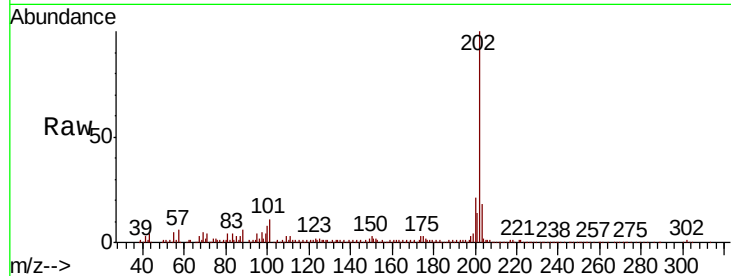
Tot Ion:202 Resp: 200460

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.1

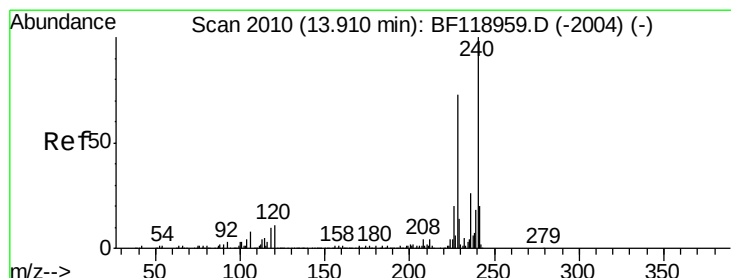
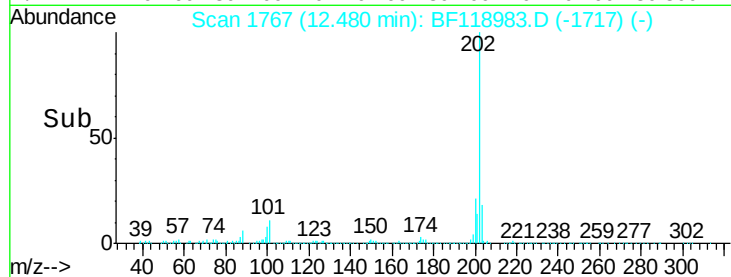
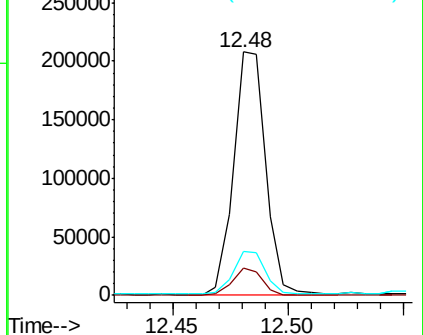
203 18.3 0.0 38.1



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: 13.91 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

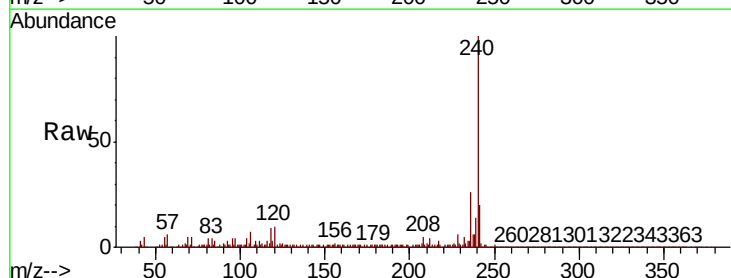
Tgt Ion:240 Resp: 409971

Ion Ratio Lower Upper

240 100

120 10.5 8.9 13.3

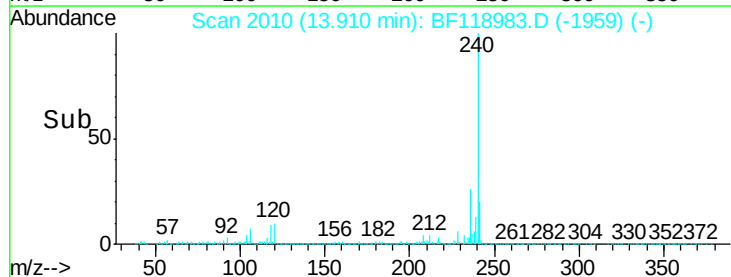
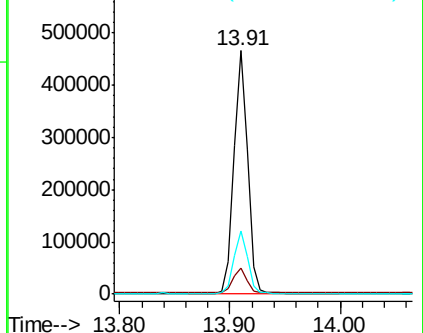
236 25.8 20.6 30.8

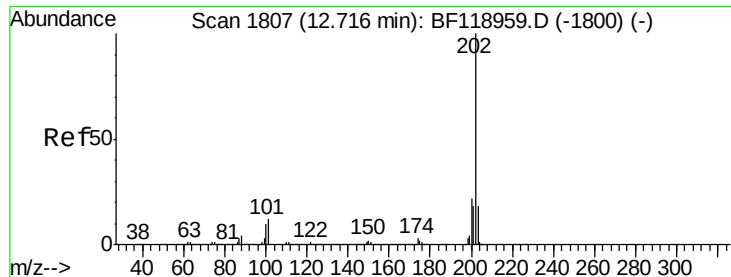


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

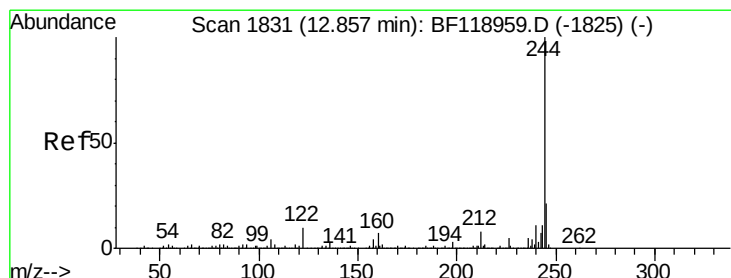
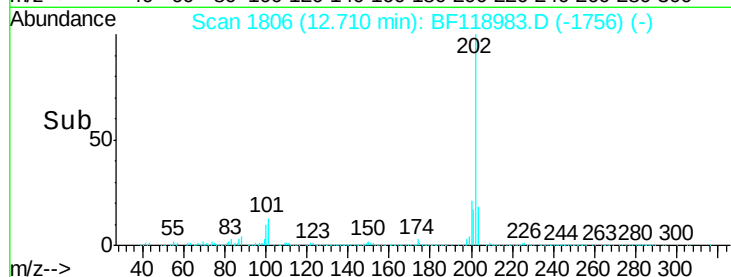
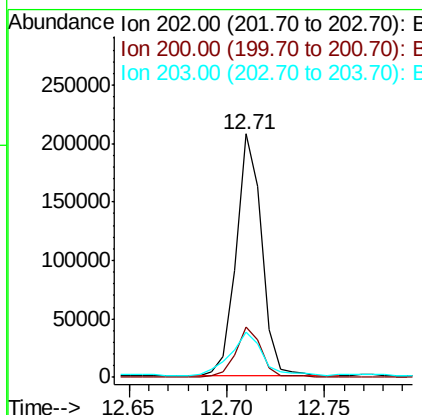
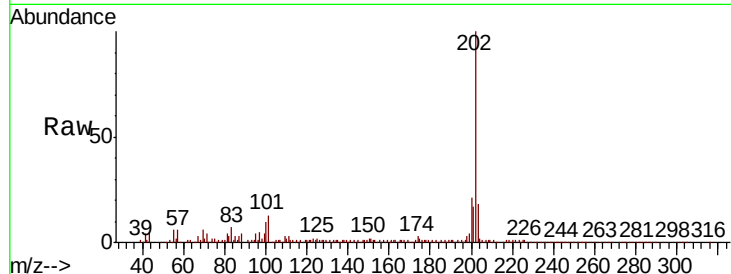




#78
Pvrene
Concen: 5.738 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

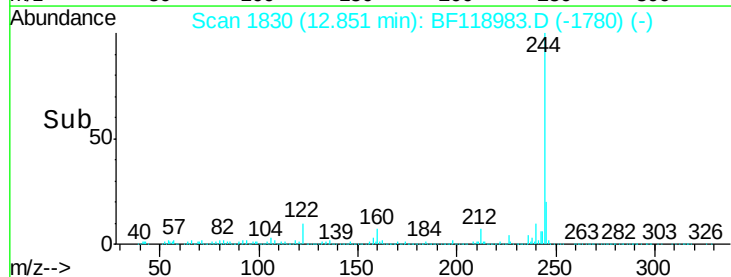
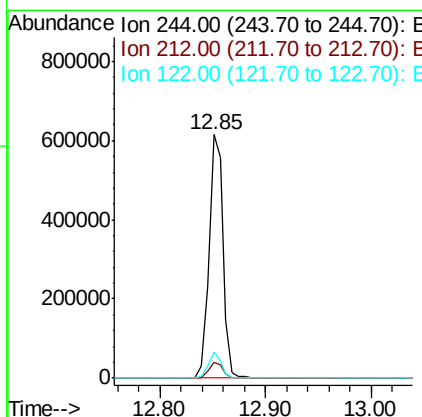
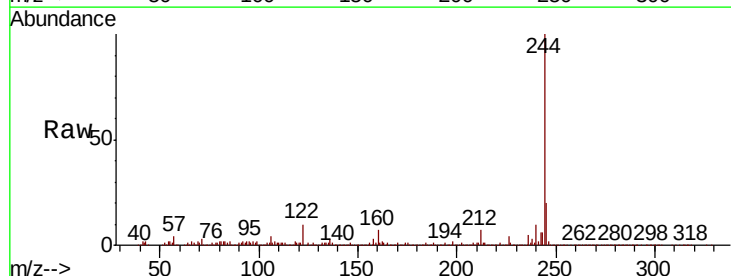
Instrument :
BNA_F
ClientSampleId :

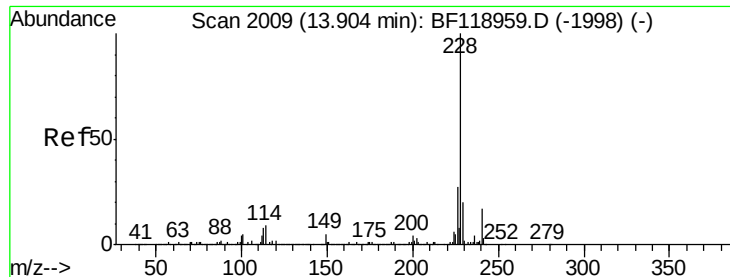
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.0
203	18.4	14.5	21.7



#79
Terphenyl-d14
Concen: 23.969 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.3	9.5
122	10.5	8.4	12.6





#81

Benzo(a)anthracene

Concen: 3.591 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF118983.D

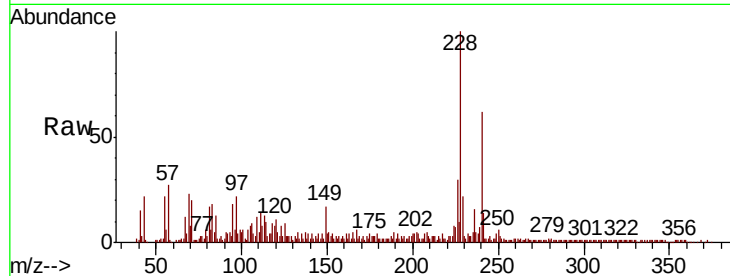
Acq: 21 Feb 2020 2:56

Instrument :

BNA_F

ClientSampleId :

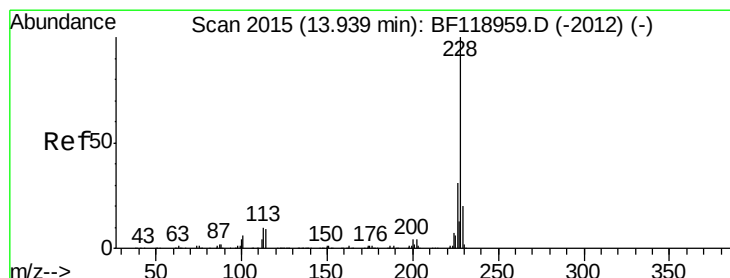
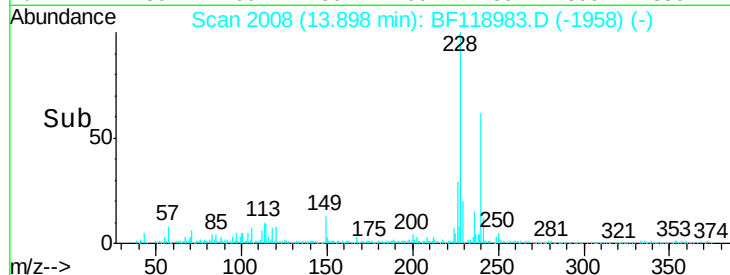
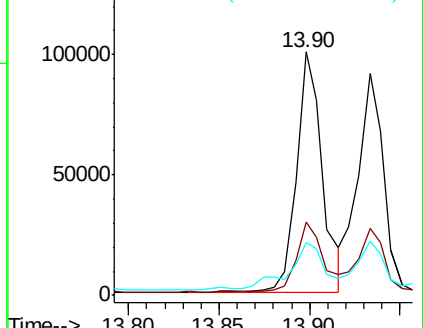
Tot Ion:228	Resp:	100321
Ion Ratio	Lower	Upper
228	100	
226	30.3	21.8 32.8
229	22.0	16.0 24.0



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: 3.604 ng

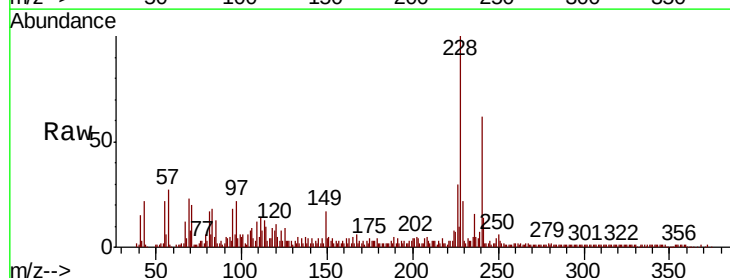
RT: 13.90 min Scan# 2008

Delta R.T. -0.04 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

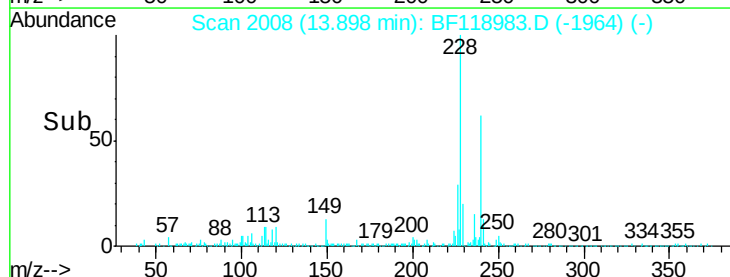
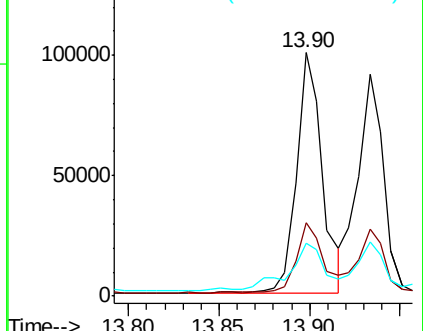
Tgt Ion:228	Resp:	100321
Ion Ratio	Lower	Upper
228	100	
226	30.3	24.6 37.0
229	22.0	16.2 24.2

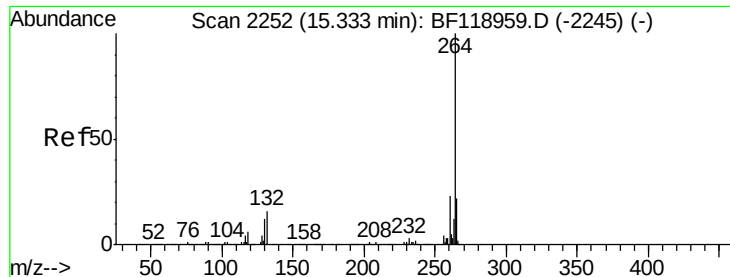


Abundance Ion 228.00 (227.70 to 228.70): E

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: 15.34 min Scan# 2253

Delta R.T. 0.01 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

Instrument :

BNA_F

ClientSampleId :

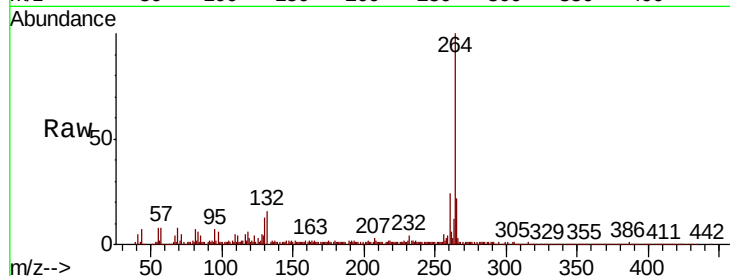
Tot Ion:264 Resp: 377934

Ion Ratio Lower Upper

264 100

260 24.2 18.6 28.0

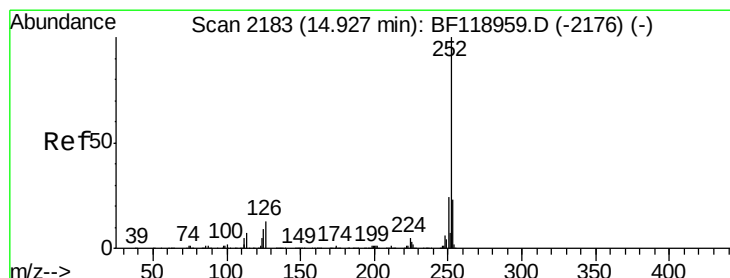
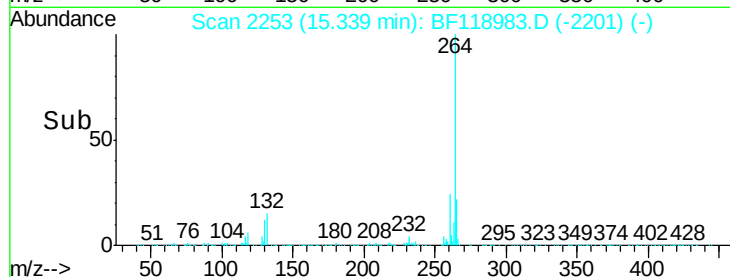
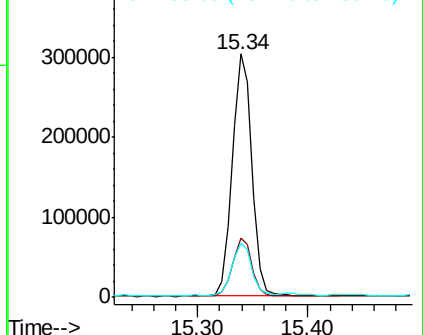
265 22.5 17.3 25.9



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: 5.615 ng

RT: 14.93 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BF118983.D

Acq: 21 Feb 2020 2:56

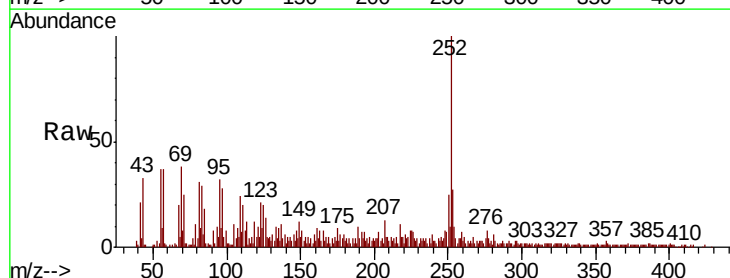
Tgt Ion:252 Resp: 139879

Ion Ratio Lower Upper

252 100

253 26.5 18.2 27.2

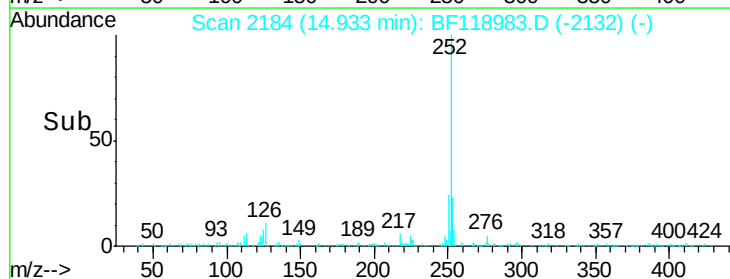
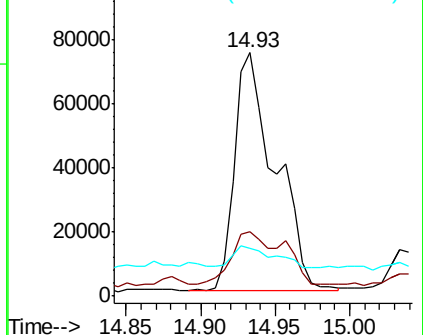
125 19.8 7.4 11.0#

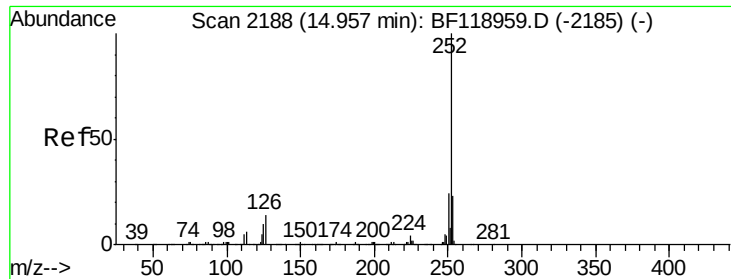


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

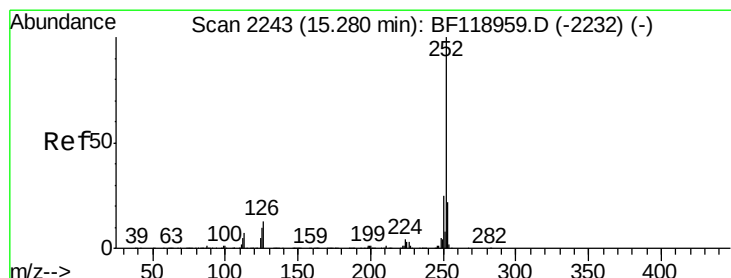
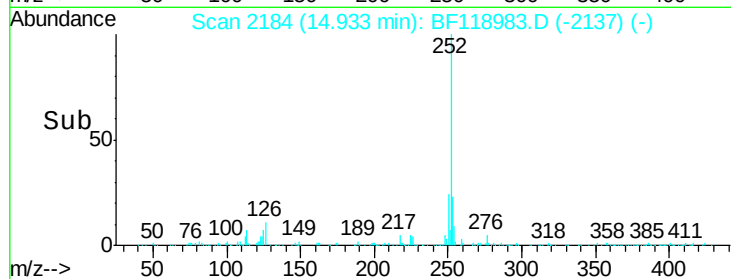
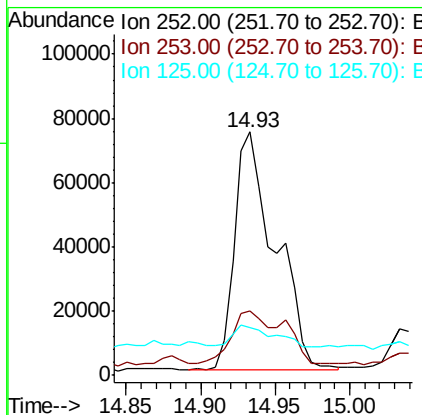
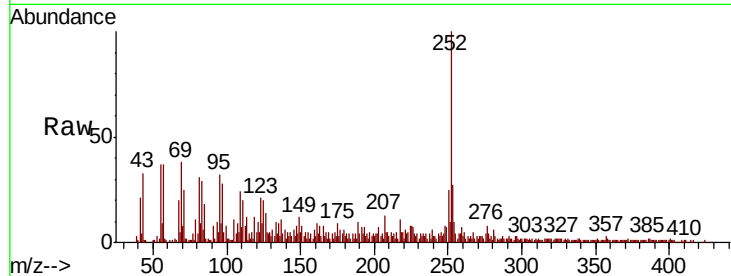




#89
Benzo(k)fluoranthene
Concen: 6.059 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	19.8	7.3	10.9



#90
Benzo(a)pyrene
Concen: 3.108 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.00 min
Lab File: BF118983.D
Acq: 21 Feb 2020 2:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.9	26.9
125	21.5	7.8	11.6

