

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118982.D
 Acq On : 21 Feb 2020 2:27
 Operator : CG/JU
 Sample : L1554-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 03:29:28 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	186114	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	677468	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	323064	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	484559	20.00	ng	0.00
76) Chrysene-d12	13.91	240	425399	20.00	ng	0.00
87) Perylene-d12	15.34	264	419381	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	160143	14.38	ng	0.00
7) Phenol-d6	6.40	99	613664	45.31	ng	0.00
23) Nitrobenzene-d5	7.32	82	424004	33.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	12460	2.95	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	827396	37.73	ng	0.00
79) Terphenyl-d14	12.85	244	714234	28.91	ng	0.00

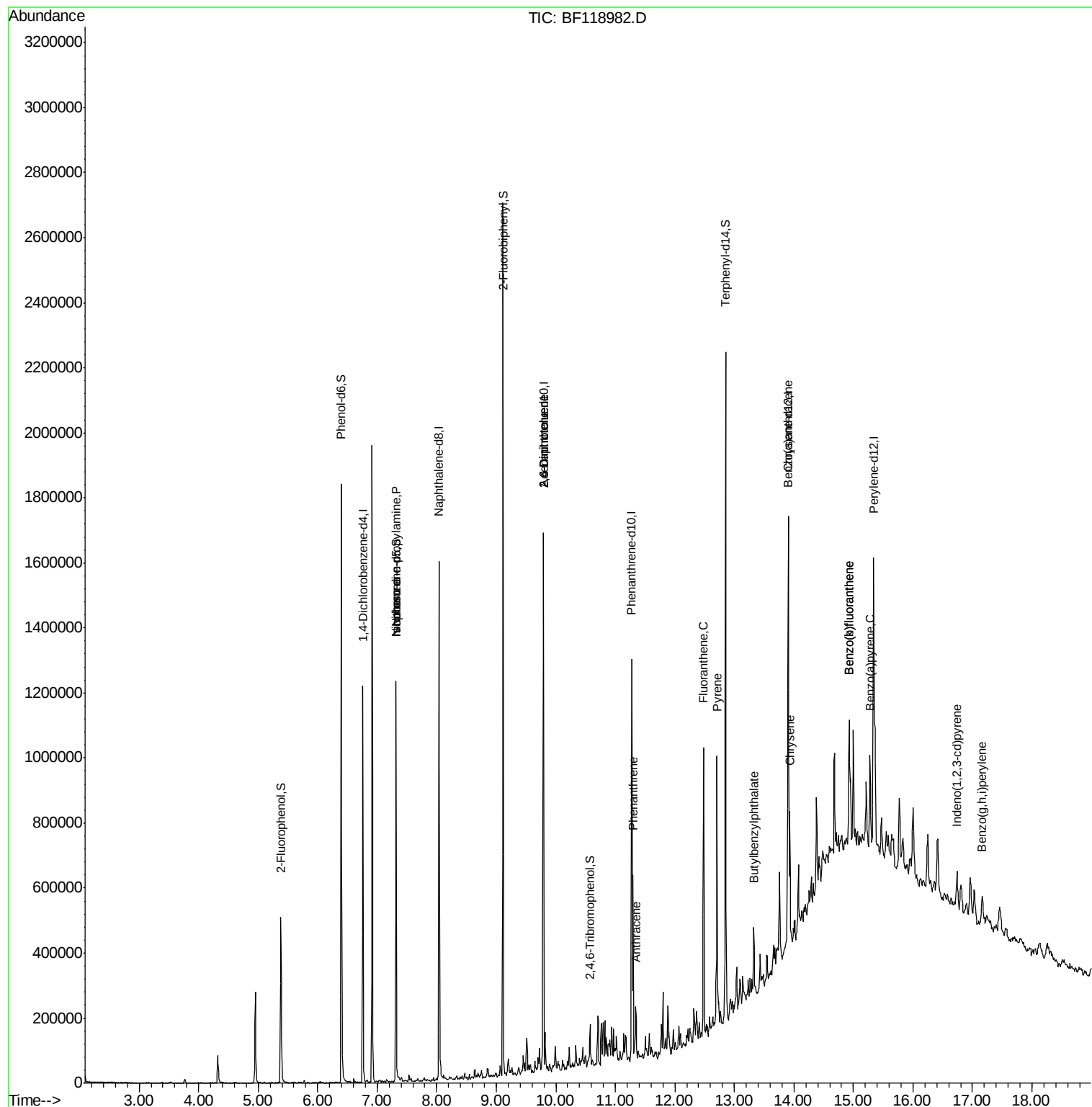
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	57440	7.278	ng	# 76
25) Isophorone	7.32	82	424000	19.028	ng	# 63
51) 2,6-Dinitrotoluene	9.79	165	42891	7.815	ng	# 30
57) 2,4-Dinitrotoluene	9.79	165	42891	6.029	ng	# 29
71) Phenanthrene	11.30	178	227306	8.602	ng	99
72) Anthracene	11.35	178	61064	2.313	ng	99
75) Fluoranthene	12.48	202	368897	13.151	ng	99
78) Pyrene	12.71	202	331957	9.718	ng	98
80) Butylbenzylphthalate	13.33	149	45992	3.199	ng	96
81) Benzo(a)anthracene	13.90	228	184752	6.374	ng	98
83) Chrysene	13.93	228	156388	5.415	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	72757	2.602	ng	95
88) Benzo(b)fluoranthene	14.93	252	256861	9.292	ng	# 95
89) Benzo(k)fluoranthene	14.93	252	256861	10.027	ng	# 94
90) Benzo(a)pyrene	15.28	252	130133	5.216	ng	# 93
92) Benzo(g,h,i)perylene	17.16	276	67924	3.132	ng	97

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

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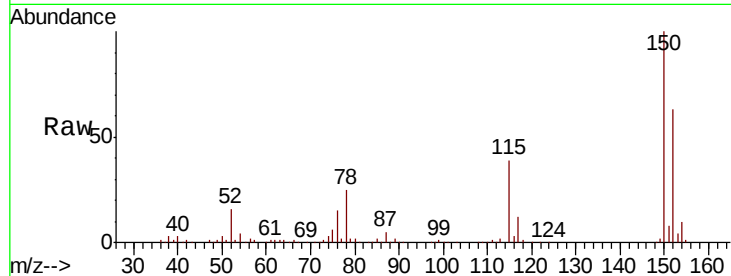


#1

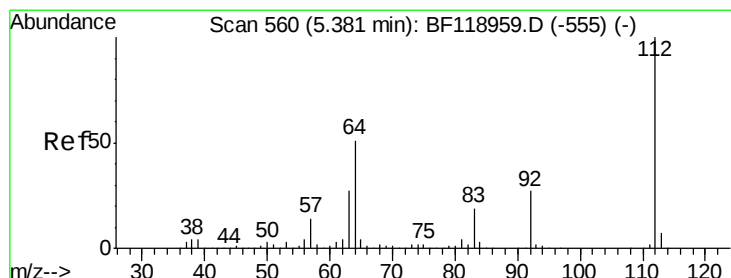
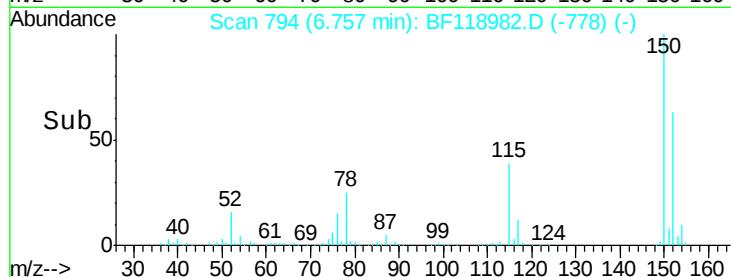
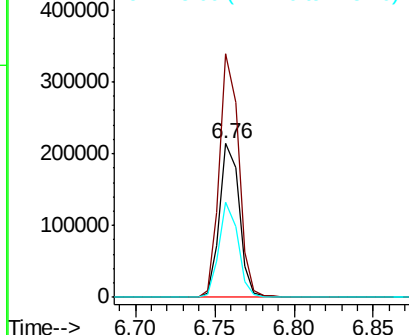
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 186114
Ion Ratio Lower Upper
152 100
150 158.7 124.3 186.5
115 62.2 44.6 67.0



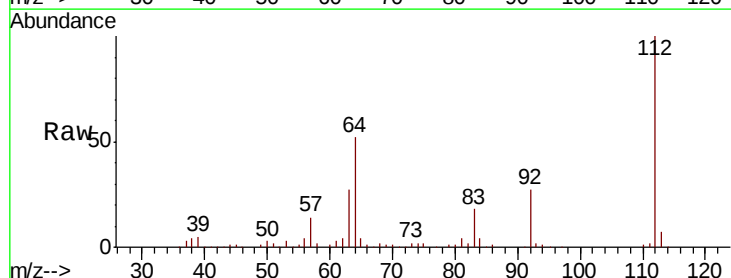
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



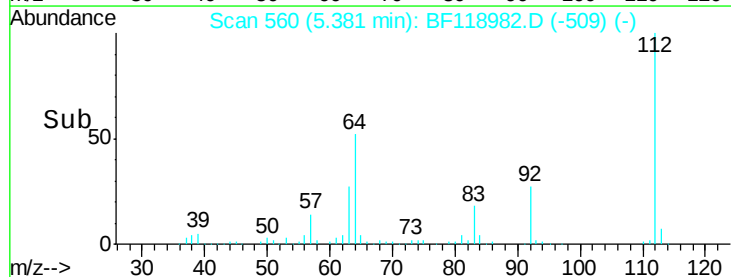
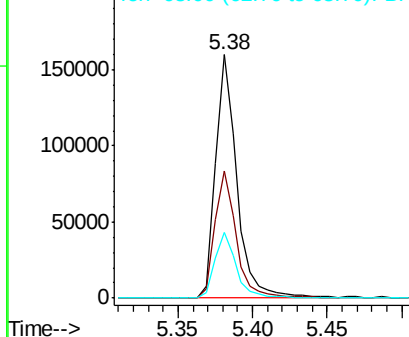
#5

2-Fluorophenol
Concen: 14.380 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion:112 Resp: 160143
Ion Ratio Lower Upper
112 100
64 52.1 40.4 60.6
63 27.0 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: 45.308 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Instrument :

BNA_F

ClientSampleId :

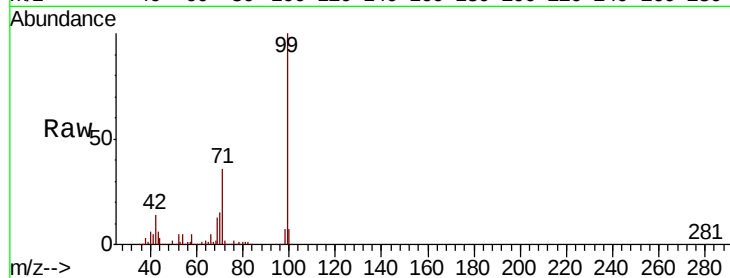
Tot Ion: 99 Resp: 613664

Ion Ratio Lower Upper

99 100

42 13.9 11.4 17.0

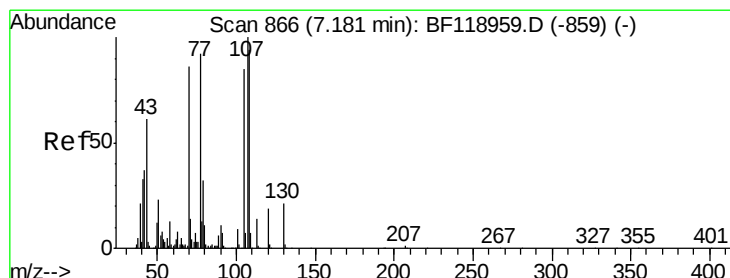
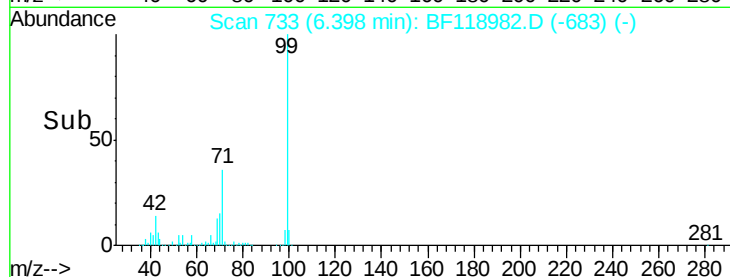
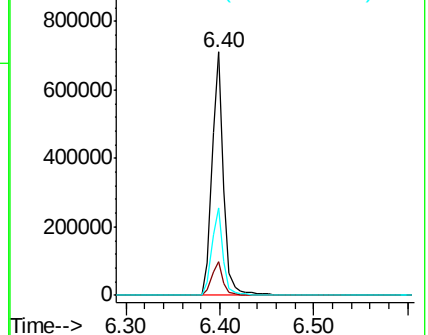
71 35.8 29.8 44.6



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: 7.278 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Tgt Ion: 70 Resp: 57440

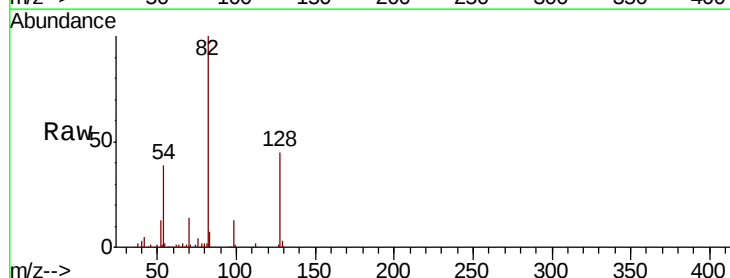
Ion Ratio Lower Upper

70 100

42 36.1 34.6 51.8

101 0.0 8.1 12.1#

130 1.8 19.4 29.2#

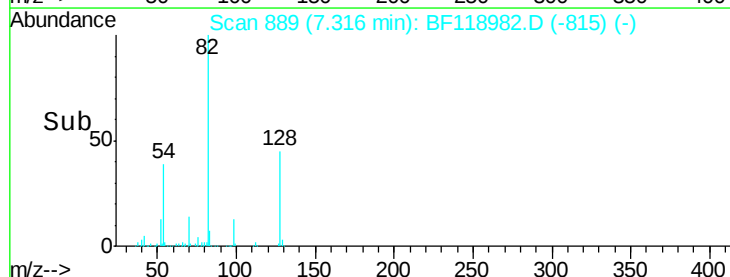
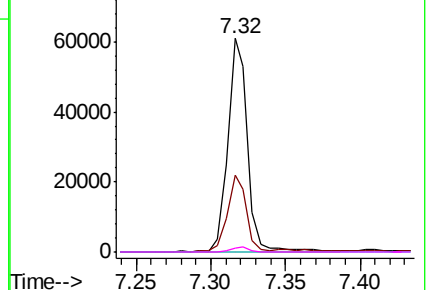


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 677468

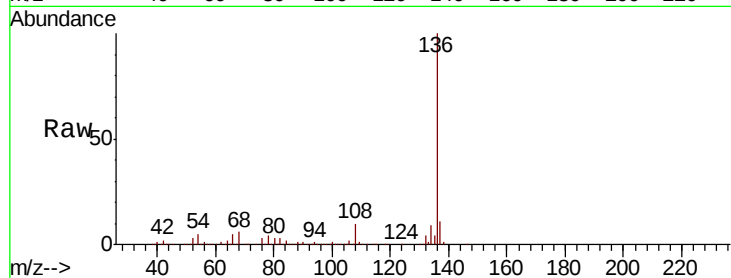
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 5.1 3.8 5.6

68 5.6 4.2 6.2

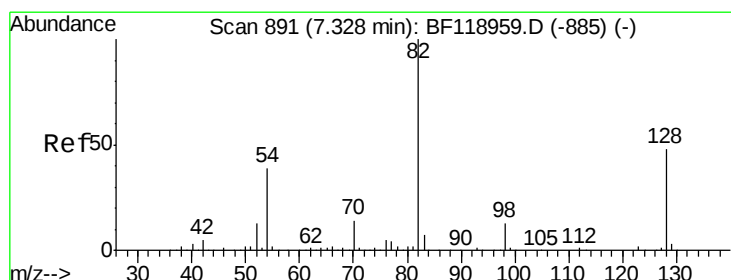
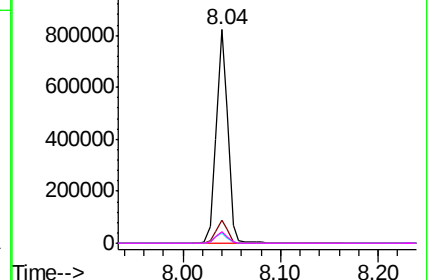
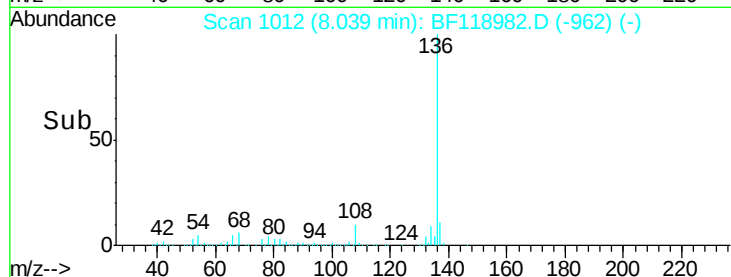


Abundance Ion 136.00 (135.70 to 136.70): E

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: 33.046 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

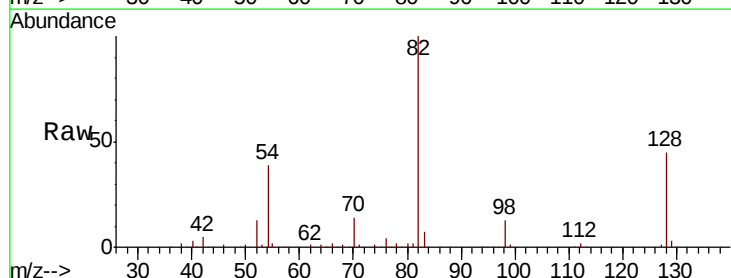
Tgt Ion: 82 Resp: 424004

Ion Ratio Lower Upper

82 100

128 45.2 38.2 57.2

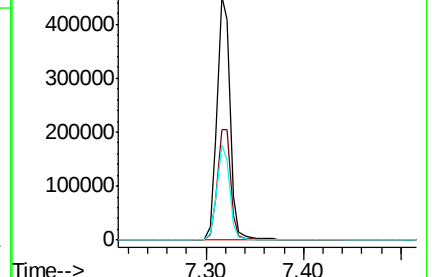
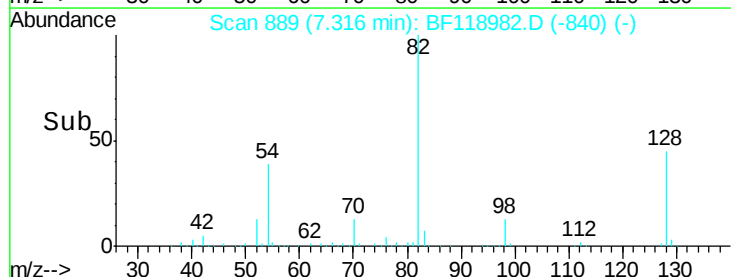
54 39.0 31.3 46.9

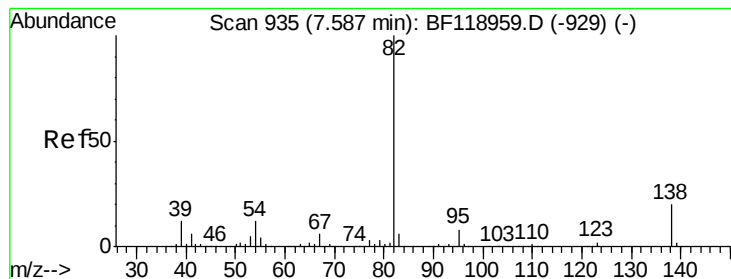


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 19.028 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Instrument :

BNA_F

ClientSampleId :

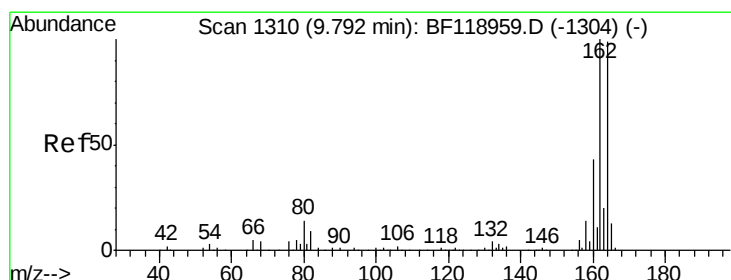
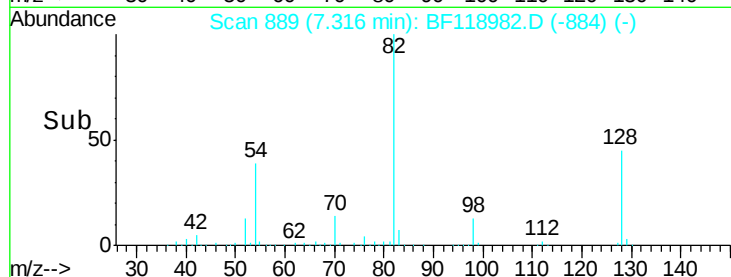
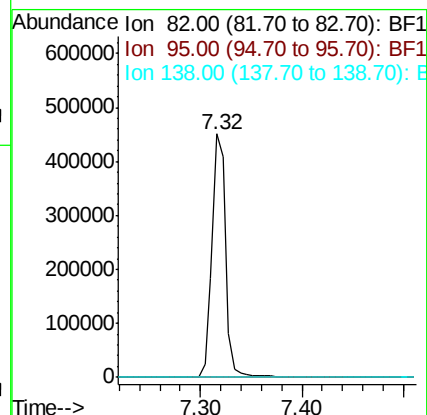
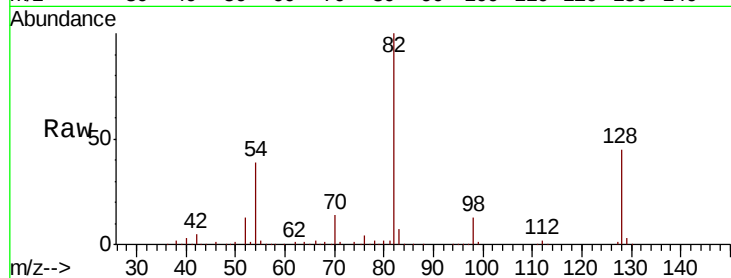
Tot Ion: 82 Resp: 424000

Ion Ratio Lower Upper

82 100

95 0.1 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: BF118982.D

Acq: 21 Feb 2020 2:27

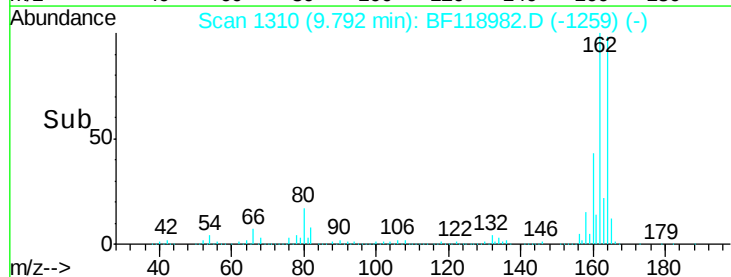
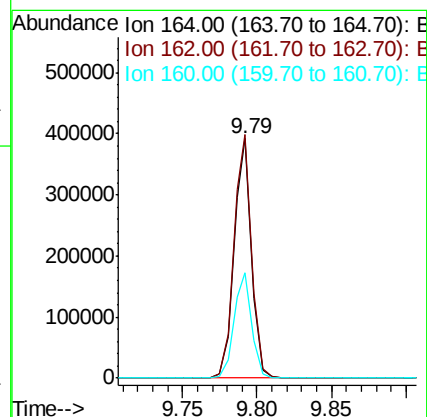
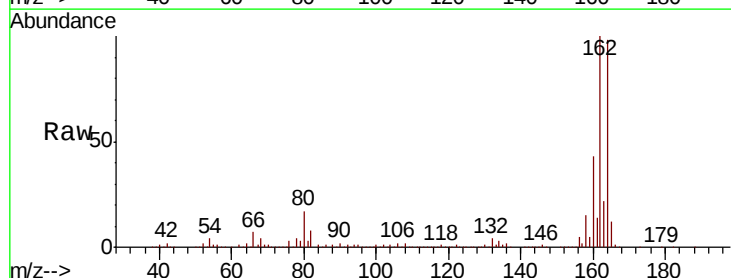
Tgt Ion:164 Resp: 323064

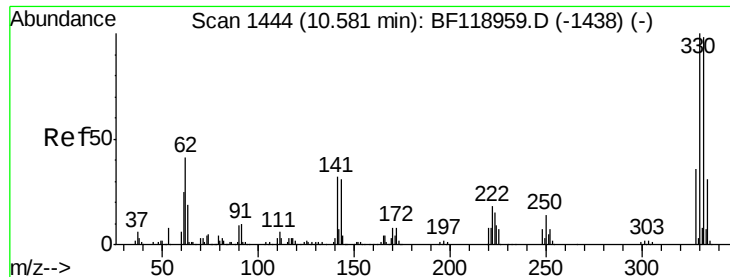
Ion Ratio Lower Upper

164 100

162 101.8 81.2 121.8

160 44.0 35.2 52.8

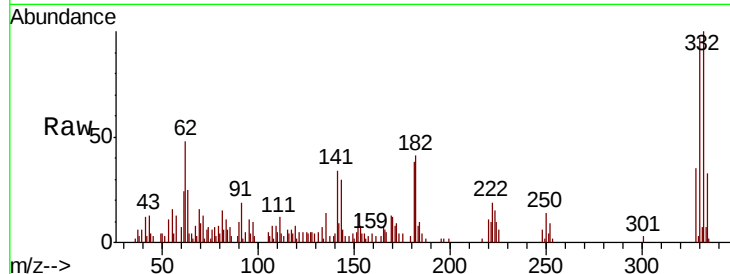




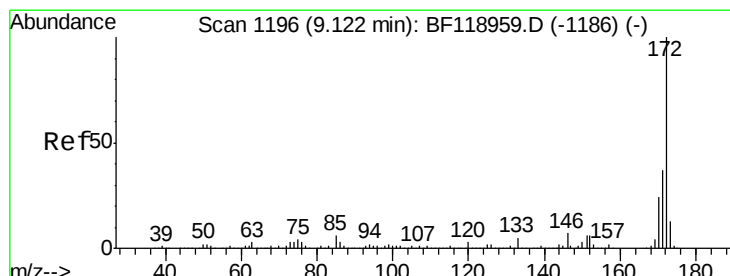
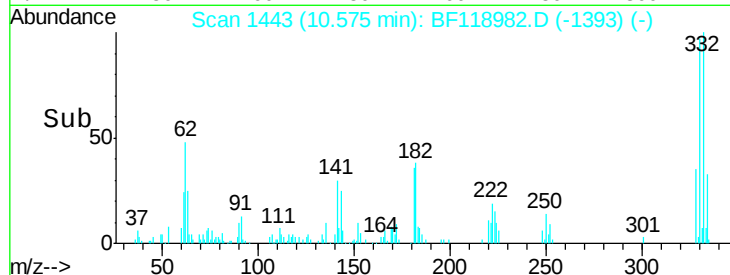
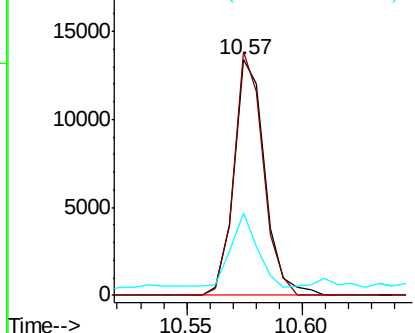
#42
 2,4,6-Tribromophenol
 Concen: 2.948 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF118982.D
 Acq: 21 Feb 2020 2:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.1	115.7
141	27.0	23.0	34.6

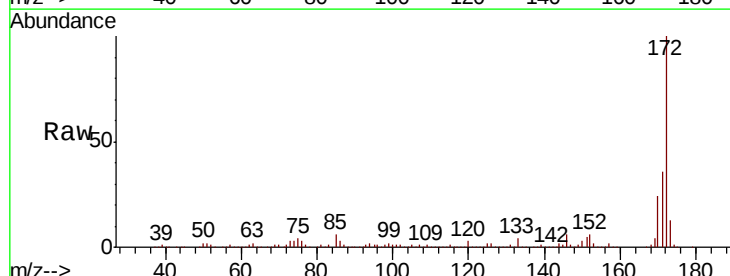


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

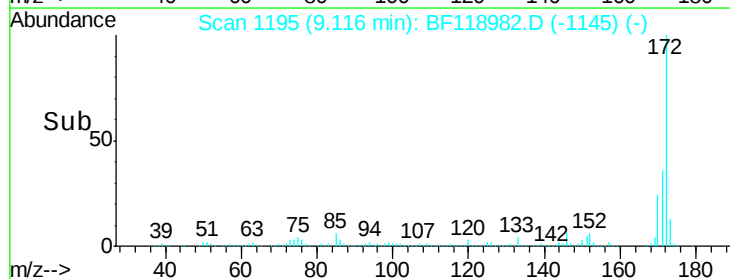
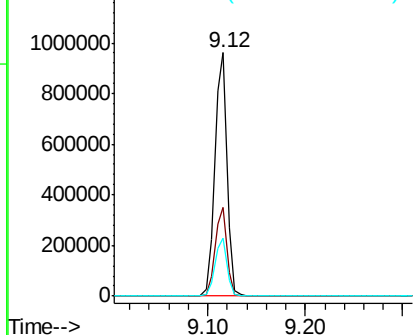


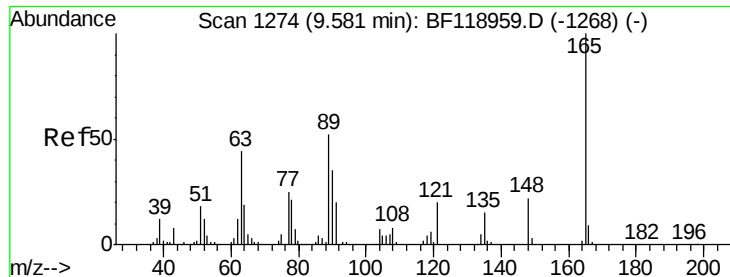
#45
 2-Fluorobiphenyl
 Concen: 37.729 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF118982.D
 Acq: 21 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.2
170	23.8	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: 7.815 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Instrument :

BNA_F

ClientSampleId :

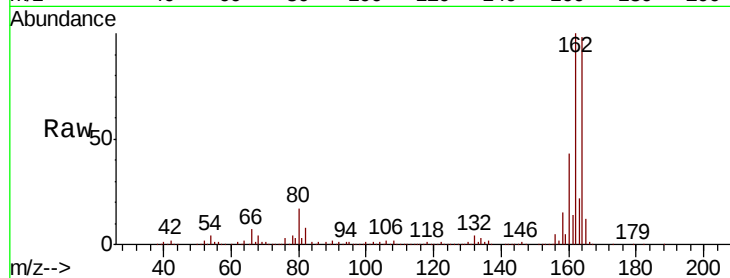
Tot Ion:165 Resp: 42891

Ion Ratio Lower Upper

165 100

63 1.4 37.9 56.9#

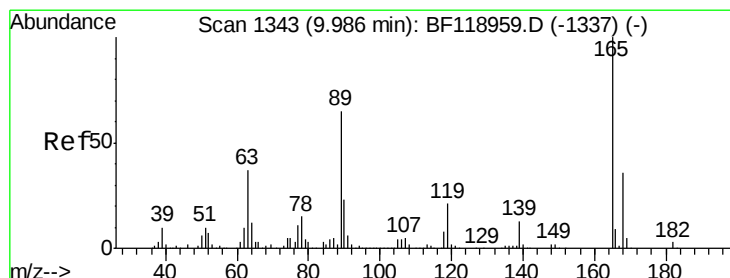
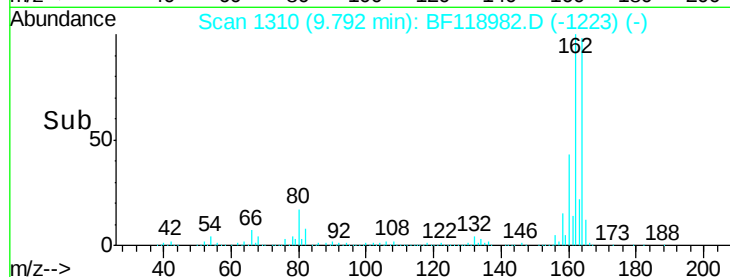
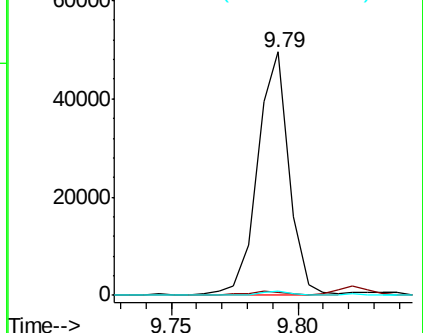
89 1.8 41.4 62.0#



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: 6.029 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.19 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Tgt Ion:165 Resp: 42891

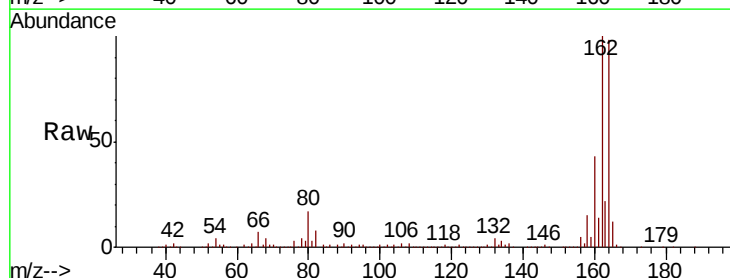
Ion Ratio Lower Upper

165 100

63 1.4 29.8 44.8#

89 1.8 51.9 77.9#

182 0.7 2.3 3.5#

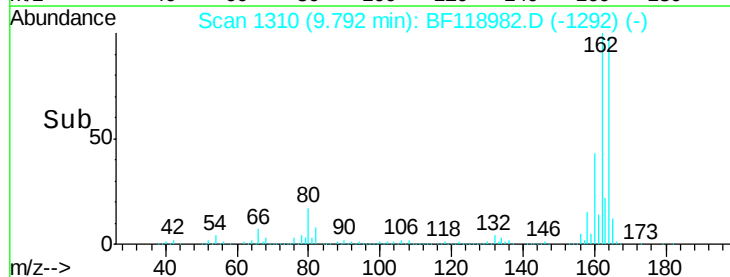
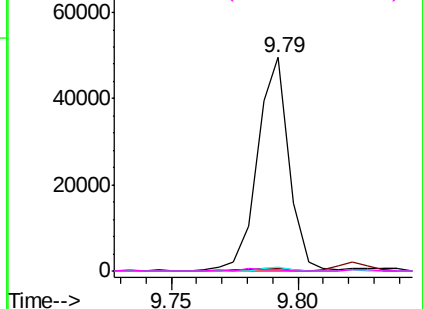


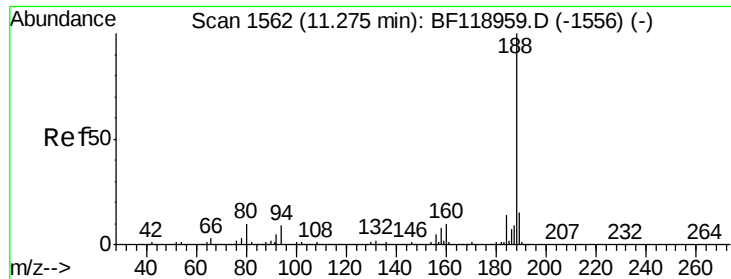
Abundance Ion 165.00 (164.70 to 165.70): E

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

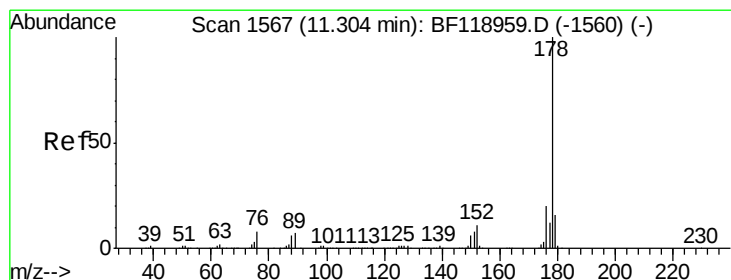
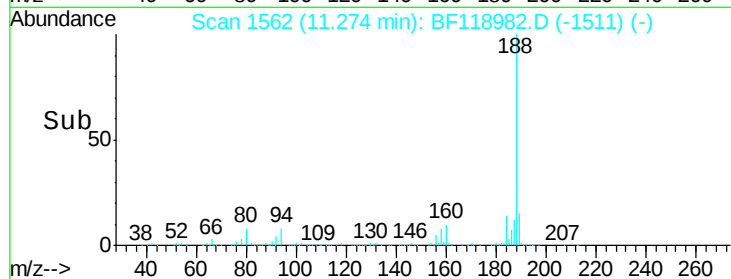
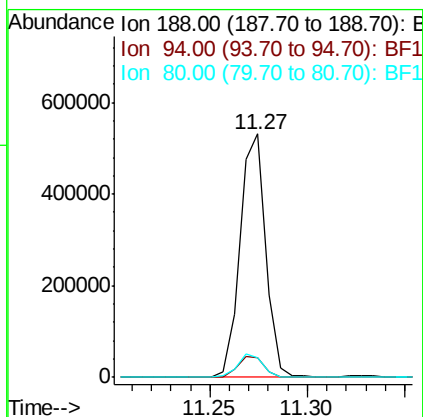
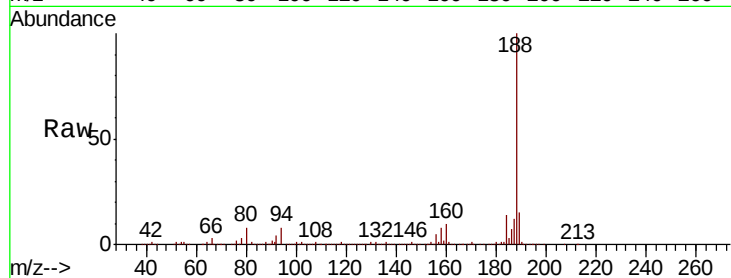




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

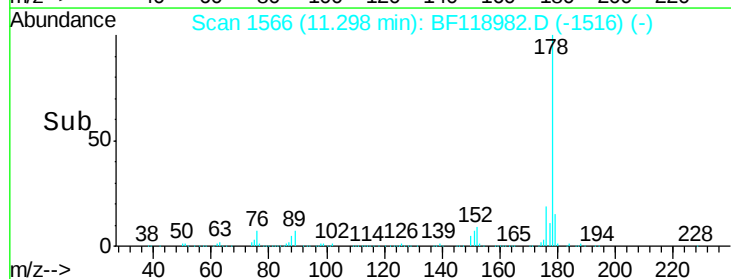
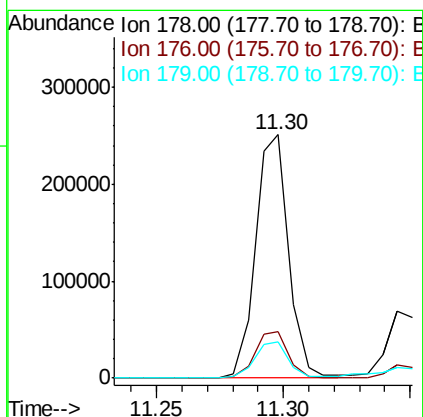
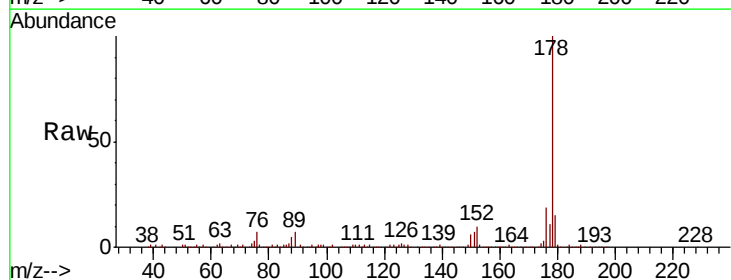
Instrument :
BNA_F
ClientSampleId :

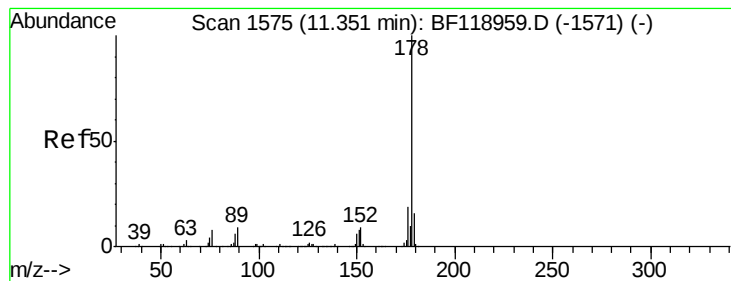
Tot Ion:188 Resp: 484559
Ion Ratio Lower Upper
188 100
94 8.0 7.0 10.6
80 8.3 7.9 11.9



#71
Phenanthrene
Concen: 8.602 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion:178 Resp: 227306
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.0 12.6 18.8





#72

Anthracene

Concen: 2.313 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Instrument :

BNA_F

ClientSampleId :

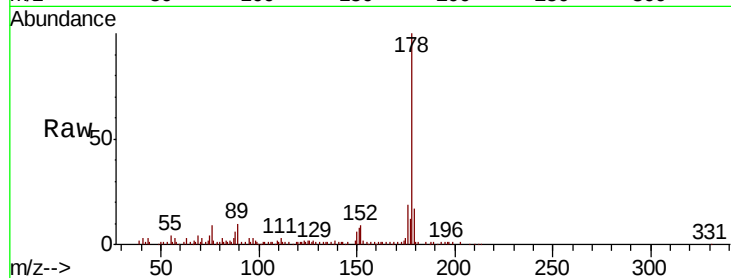
Tot Ion:178 Resp: 61064

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

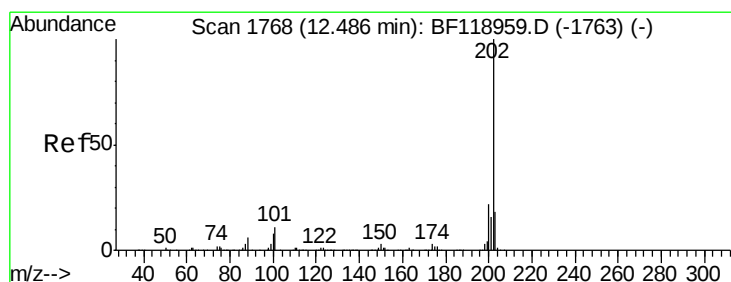
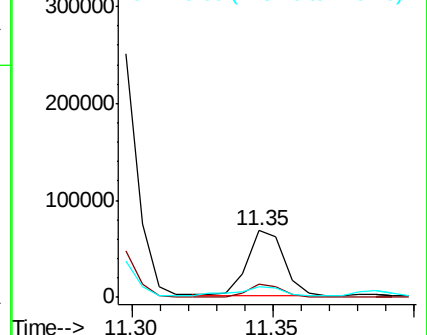
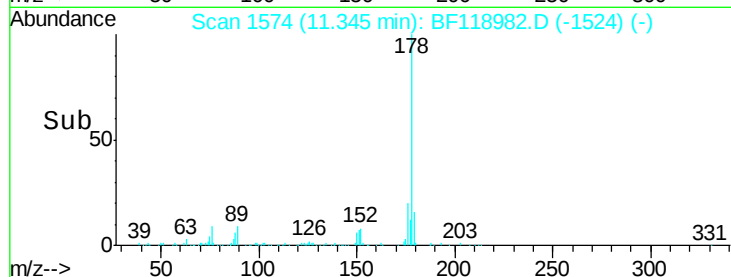
179 16.8 12.8 19.2



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: 13.151 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

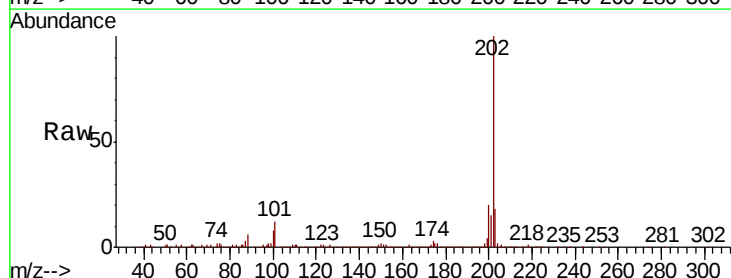
Tgt Ion:202 Resp: 368897

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.1

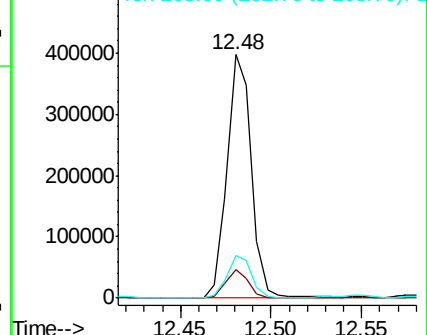
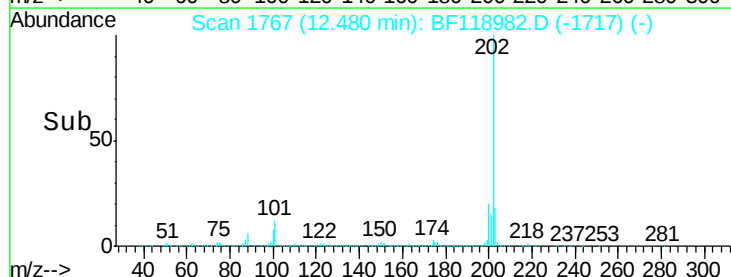
203 17.7 0.0 38.1

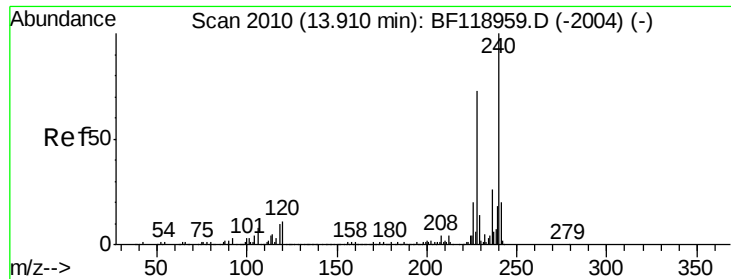


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

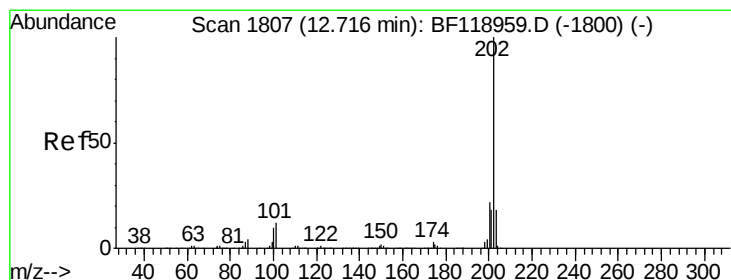
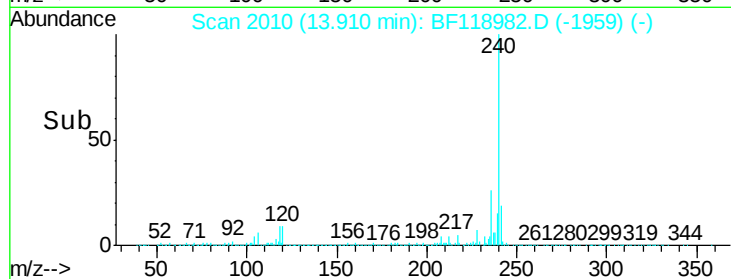
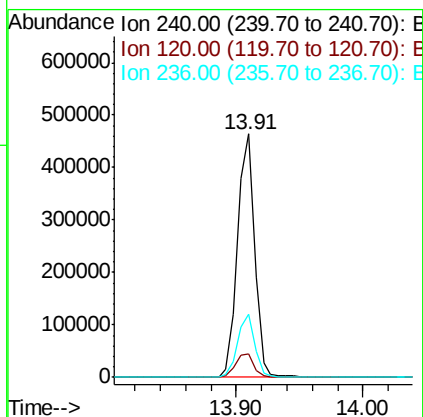
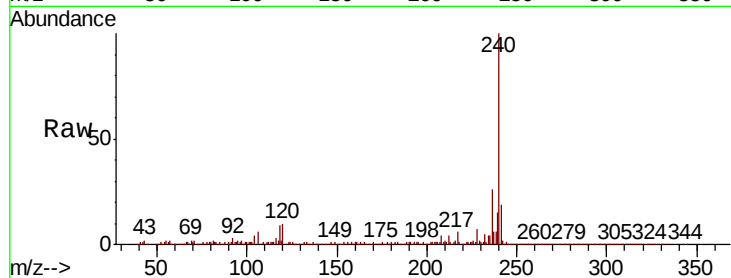




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

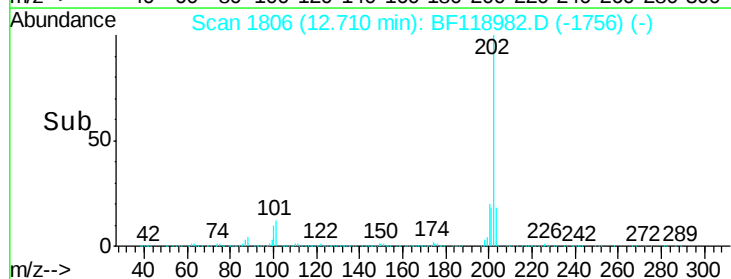
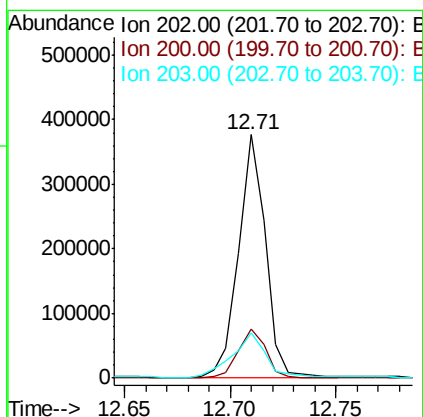
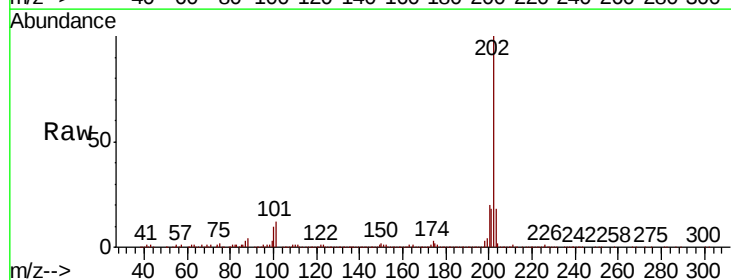
Instrument :
BNA_F
ClientSampleId :

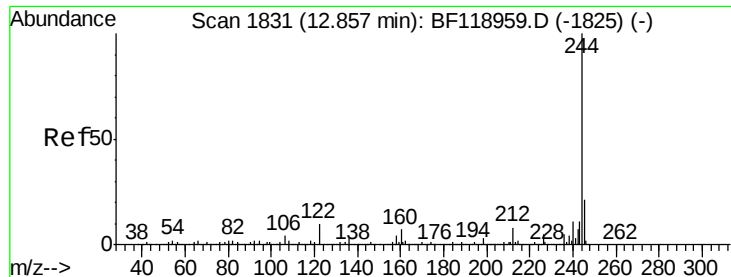
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.9	13.3
236	25.9	20.6	30.8



#78
Pyrene
Concen: 9.718 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.0
203	18.3	14.5	21.7





#79

Terphenyl-d14

Concen: 28.906 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Instrument :

BNA_F

ClientSampleId :

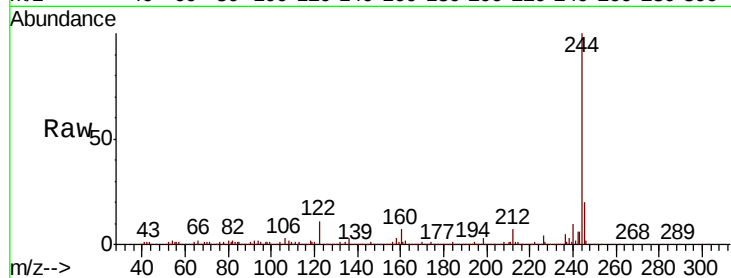
Tot Ion:244 Resp: 714234

Ion Ratio Lower Upper

244 100

212 6.9 6.3 9.5

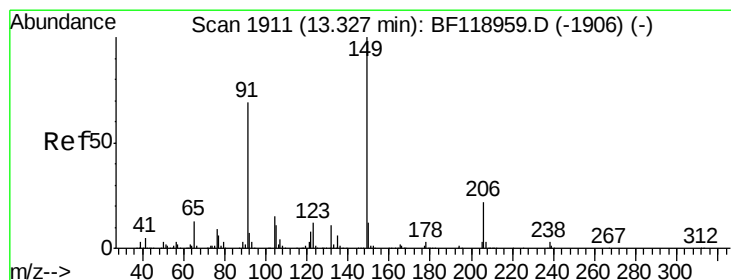
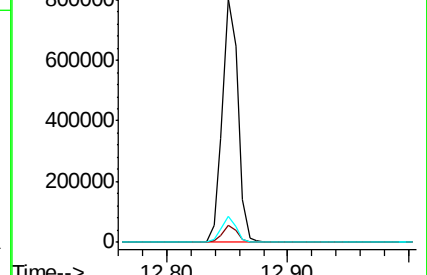
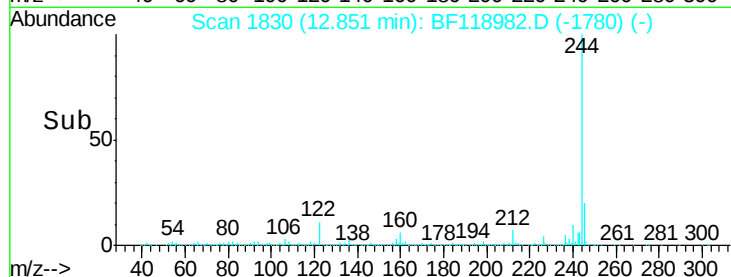
122 10.9 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 3.199 ng

RT: 13.33 min Scan# 1911

Delta R.T. -0.00 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

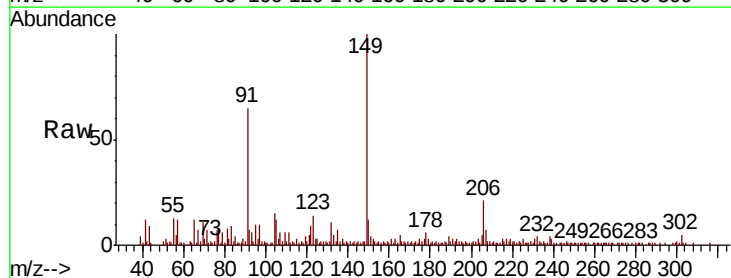
Tgt Ion:149 Resp: 45992

Ion Ratio Lower Upper

149 100

91 65.4 55.4 83.2

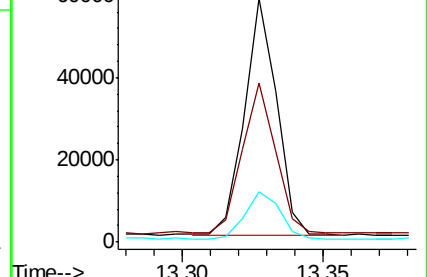
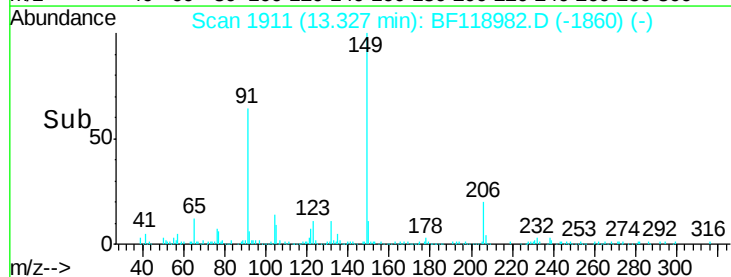
206 20.7 17.7 26.5

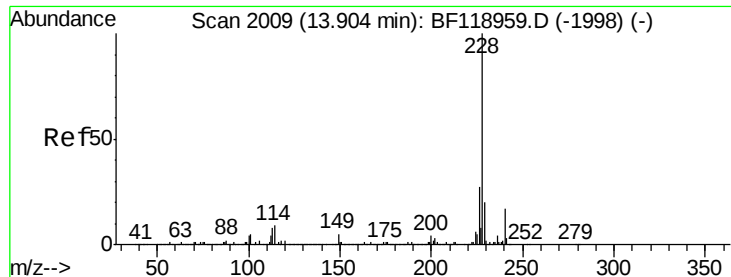


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

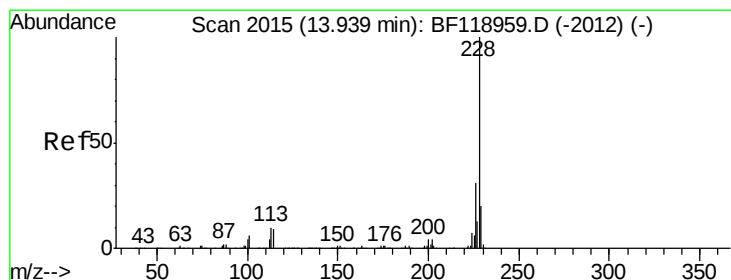
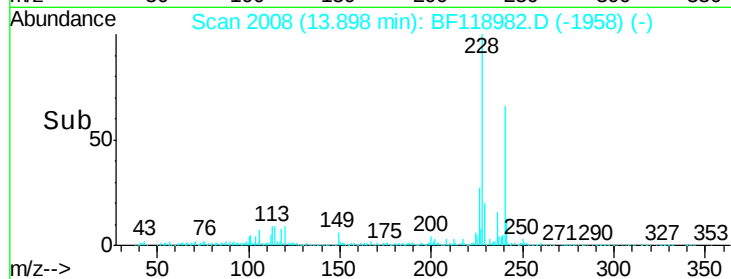
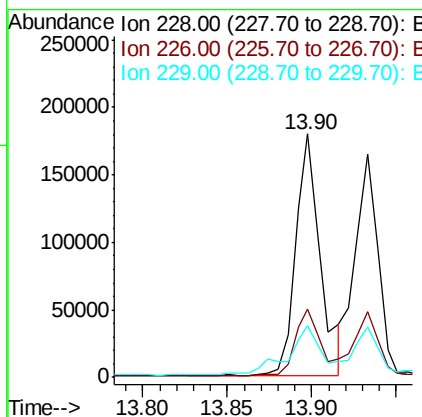
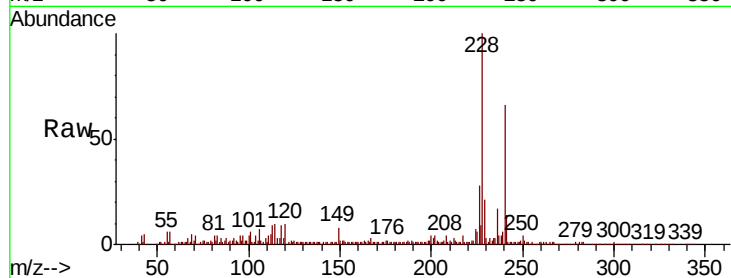




#81
Benzo(a)anthracene
Concen: 6.374 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

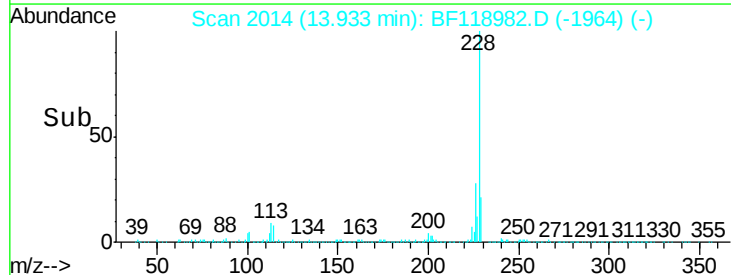
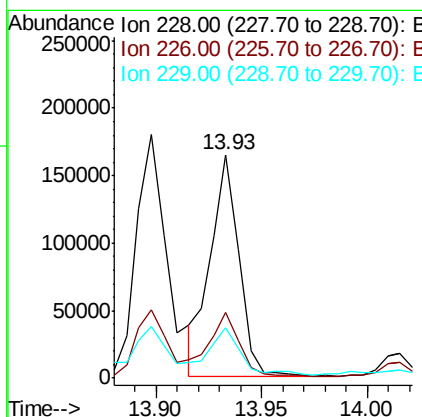
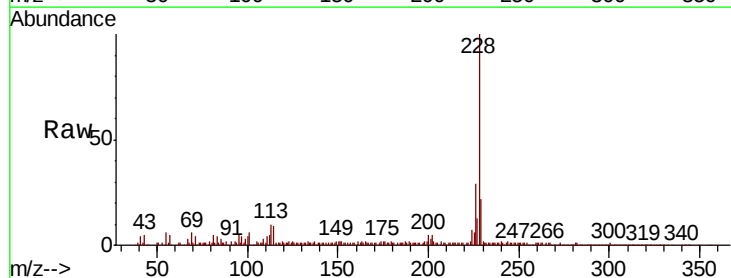
Instrument :
BNA_F
ClientSampleId :

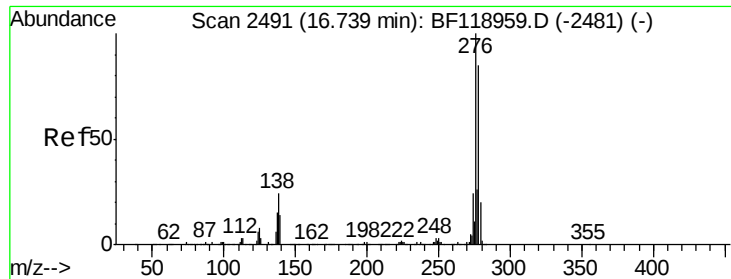
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.8	32.8
229	21.2	16.0	24.0



#83
Chrysene
Concen: 5.415 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.6	37.0
229	22.3	16.2	24.2

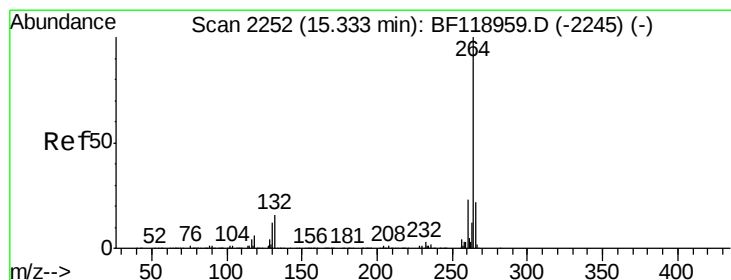
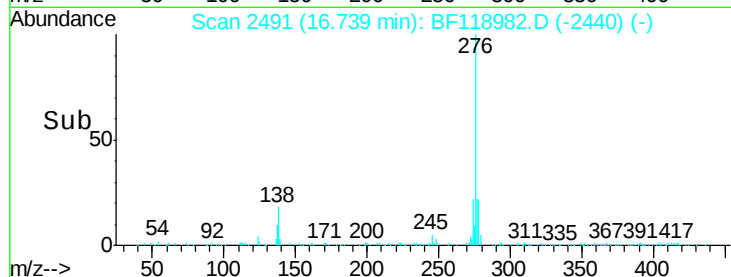
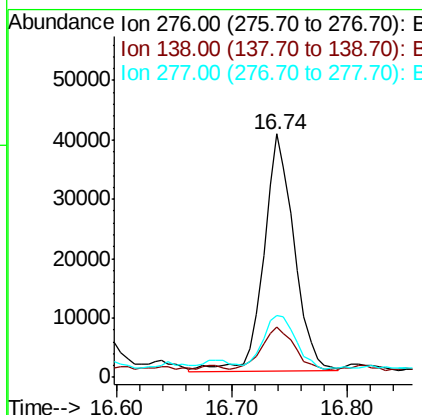
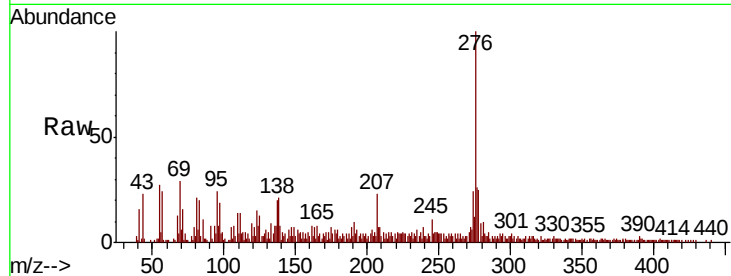




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.602 ng
 RT: 16.74 min Scan# 2491
 Delta R.T. -0.00 min
 Lab File: BF118982.D
 Acq: 21 Feb 2020 2:27

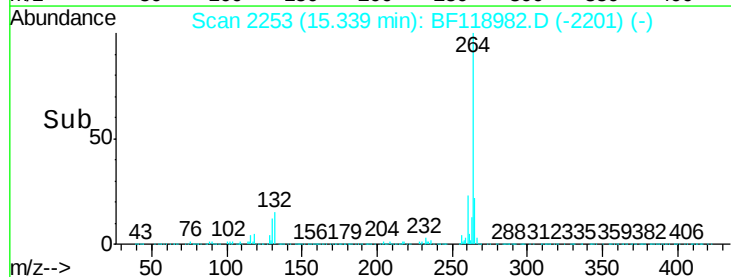
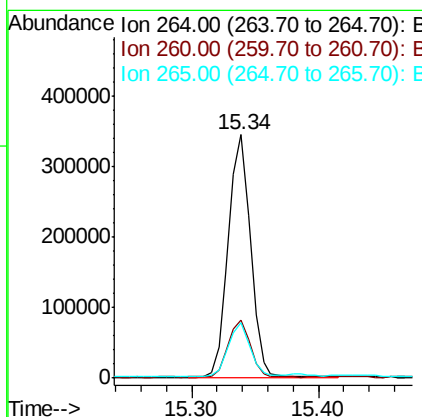
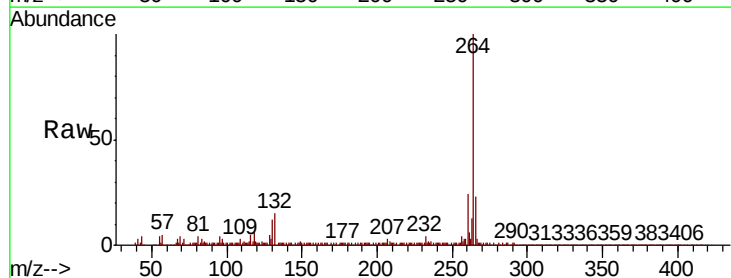
Instrument :
 BNA_F
 ClientSampled :

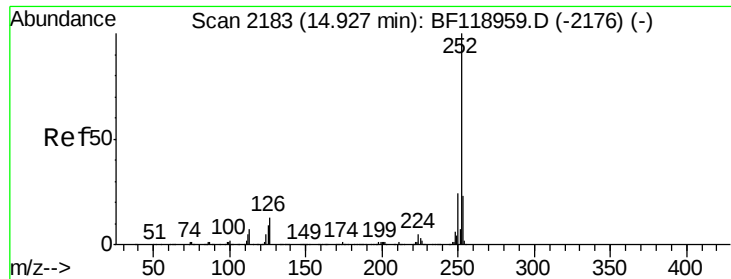
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	18.7	28.1
277	24.3	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: BF118982.D
 Acq: 21 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	22.9	17.3	25.9

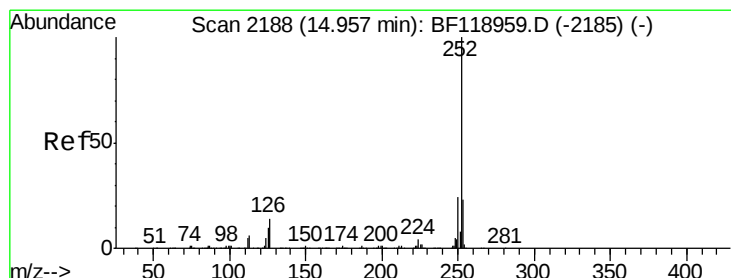
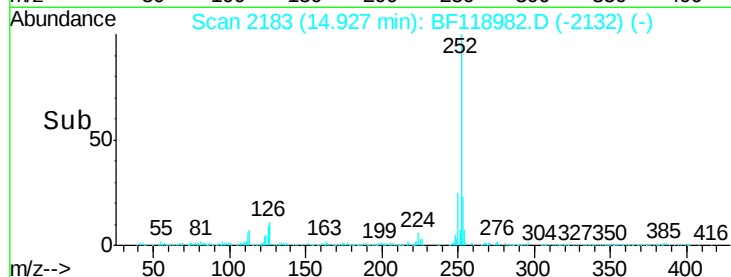
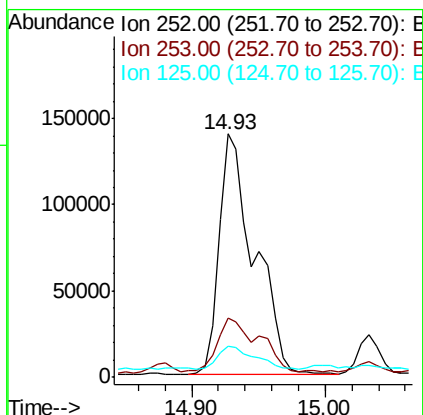
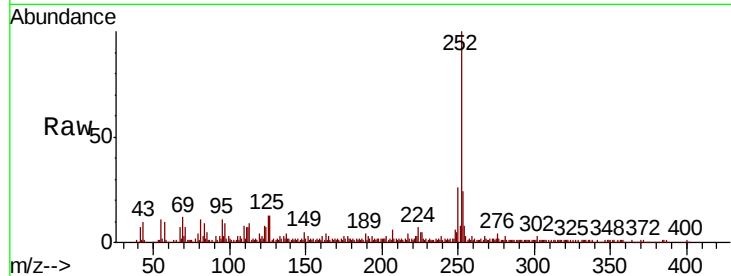




#88
Benzo(b)fluoranthene
Concen: 9.292 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

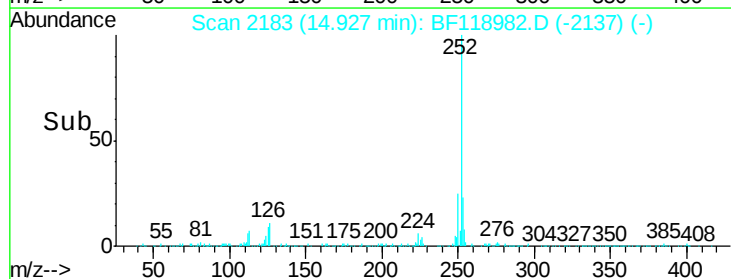
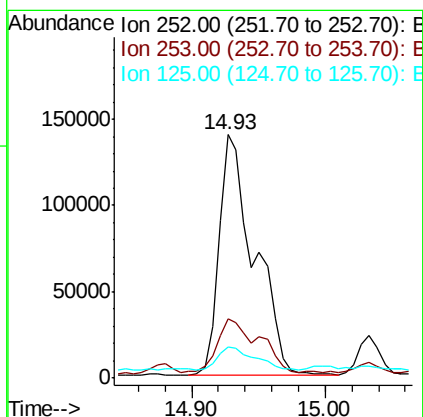
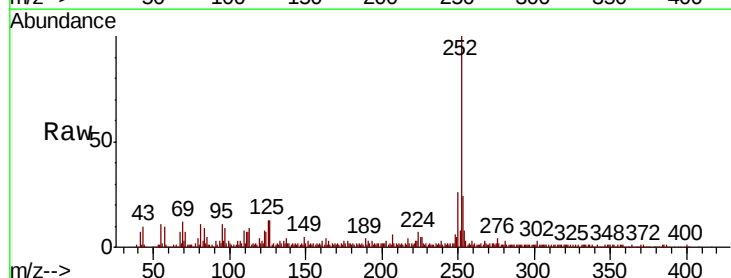
Instrument :
BNA_F
ClientSampleId :

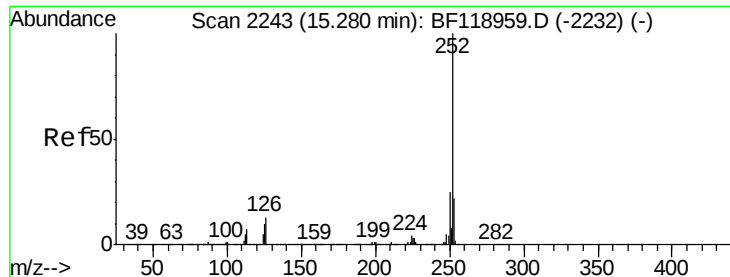
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	12.7	7.4	11.0#



#89
Benzo(k)fluoranthene
Concen: 10.027 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.03 min
Lab File: BF118982.D
Acq: 21 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	12.7	7.3	10.9#





#90

Benzo(a)pyrene

Concen: 5.216 ng

RT: 15.28 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BF118982.D

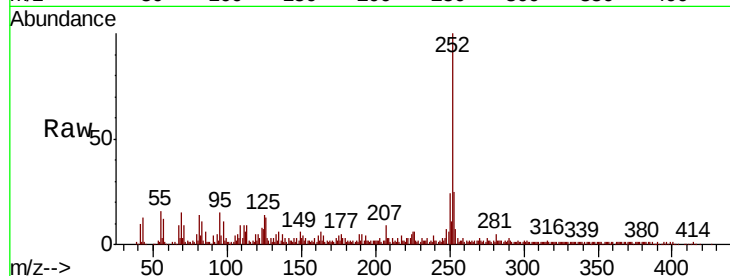
Acq: 21 Feb 2020 2:27

Instrument :

BNA_F

ClientSampleId :

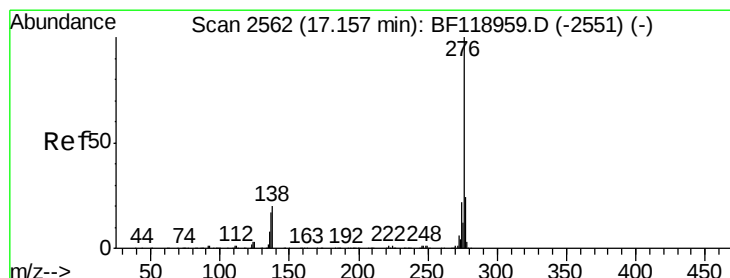
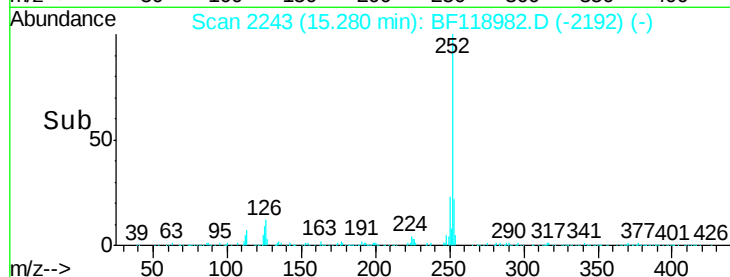
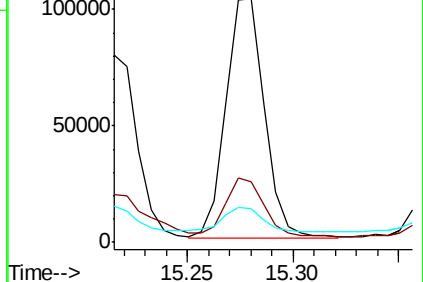
Tot Ion:	252	Resp:	130133
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	13.7	7.8	11.6#



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



#92

Benzo(g,h,i)perylene

Concen: 3.132 ng

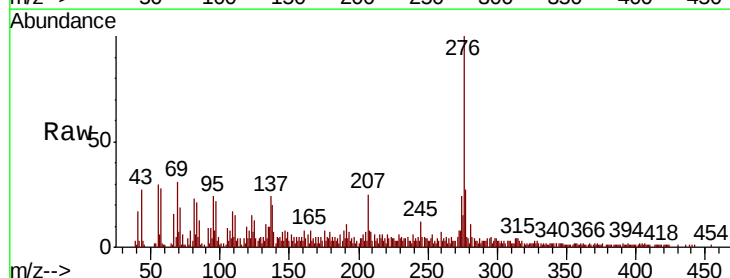
RT: 17.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BF118982.D

Acq: 21 Feb 2020 2:27

Tgt Ion:	276	Resp:	67924
Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.2	28.8
138	20.2	16.2	24.4



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

