

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
 Data File : BF119144.D
 Acq On : 28 Feb 2020 21:51
 Operator : CG/JU
 Sample : L1718-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 02:41:07 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	6.73	152	131854	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	509991	20.00	ng	-0.02
39) Acenaphthene-d10	9.76	164	283193	20.00	ng	-0.02
64) Phenanthrene-d10	11.24	188	523487	20.00	ng	-0.02
76) Chrysene-d12	13.89	240	331641	20.00	ng	-0.02
87) Perylene-d12	15.30	264	359843	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	732539	92.85	ng	-0.01
7) Phenol-d6	6.38	99	896114	93.39	ng	-0.02
23) Nitrobenzene-d5	7.30	82	577546	59.79	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	315447	85.15	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	1093192	56.87	ng	-0.02
79) Terphenyl-d14	12.83	244	1188070	61.68	ng	-0.02

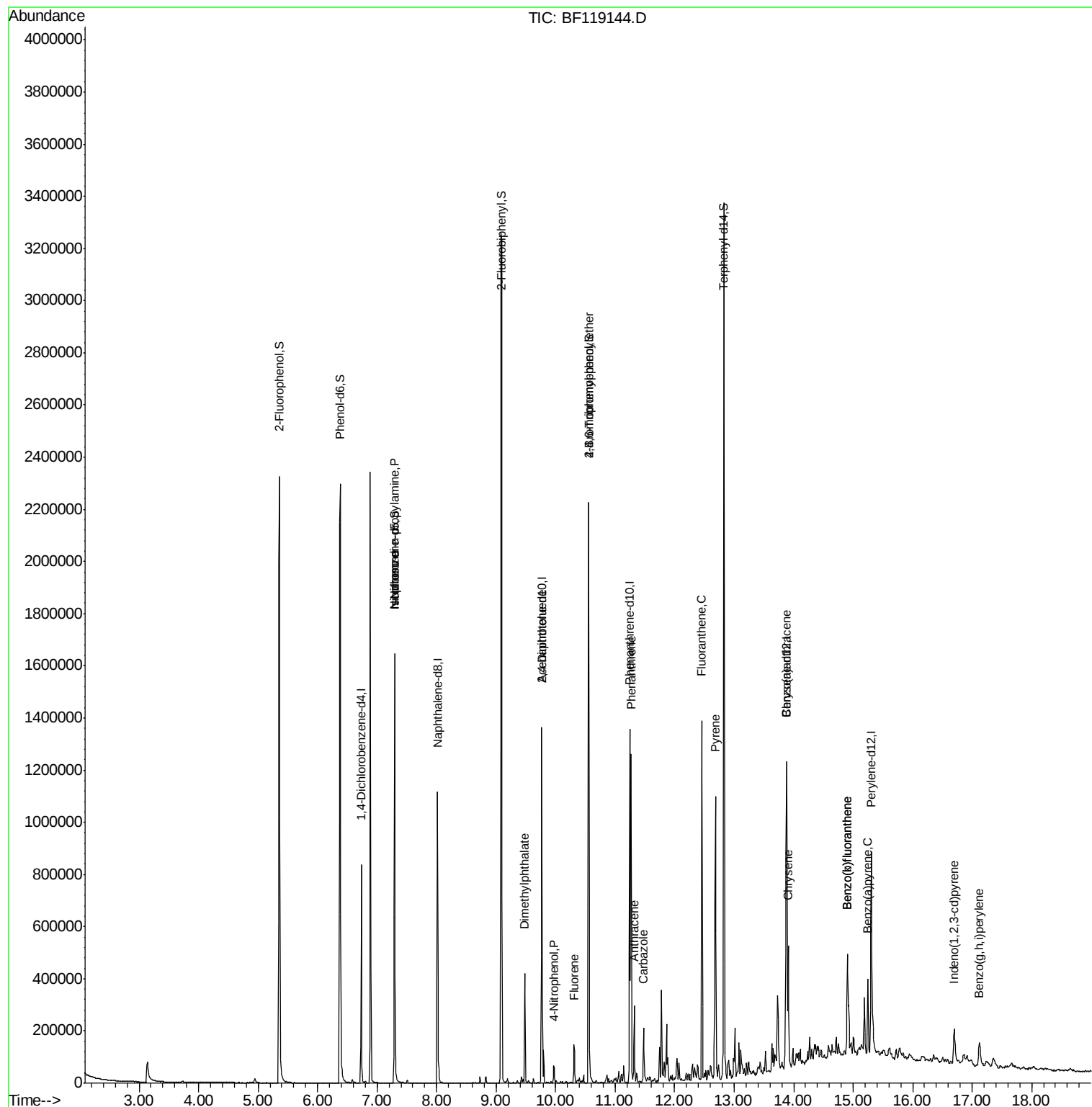
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	79546	14.227	ng	# 75
25) Isophorone	7.30	82	571381	34.062	ng	# 63
50) Dimethylphthalate	9.48	163	171444	7.917	ng	99
56) 4-Nitrophenol	9.97	139	10191	3.180	ng	# 9
57) 2,4-Dinitrotoluene	9.76	165	37045	5.940	ng	# 20
58) Fluorene	10.31	166	42098	2.260	ng	99
67) 4-Bromophenyl-phenylether	10.56	248	20789	3.038	ng	# 1
71) Phenanthrene	11.27	178	488681	17.118	ng	96
72) Anthracene	11.32	178	111256	3.900	ng	98
73) Carbazole	11.48	167	67097	2.640	ng	97
75) Fluoranthene	12.46	202	546708	18.041	ng	98
78) Pylene	12.69	202	413969	15.545	ng	97
81) Benzo(a)anthracene	13.87	228	195250	8.641	ng	97
83) Chrysene	13.91	228	168161	7.469	ng	97
86) Indeno(1,2,3-cd)pyrene	16.70	276	81460	3.736	ng	96
88) Benzo(b)fluoranthene	14.90	252	282484	11.910	ng	98
89) Benzo(k)fluoranthene	14.90	252	282484	12.851	ng	99
90) Benzo(a)pyrene	15.24	252	145650	6.804	ng	99
92) Benzo(a,h,i)perylene	17.12	276	74113	3.982	ng	96

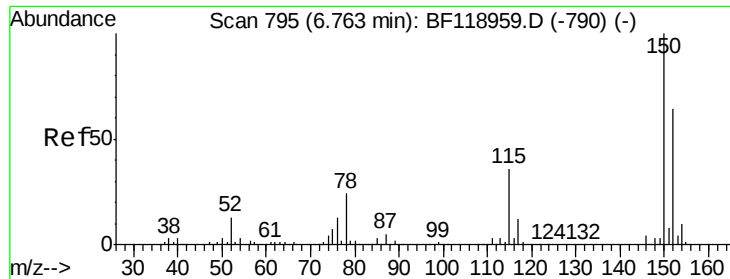
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
Data File : BF119144.D
Acq On : 28 Feb 2020 21:51
Operator : CG/JU
Sample : L1718-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 02 02:41:07 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



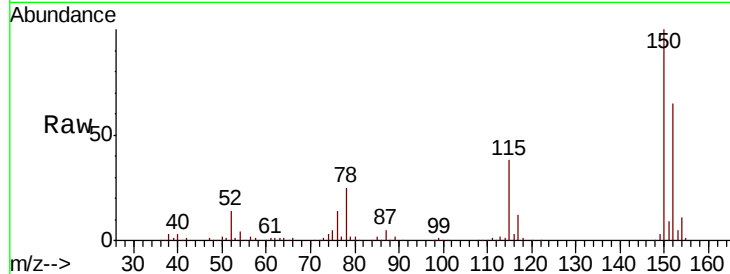


#1

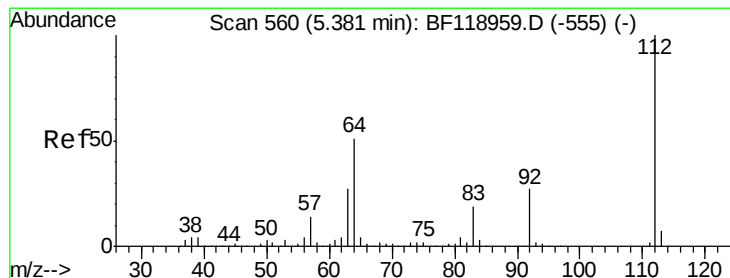
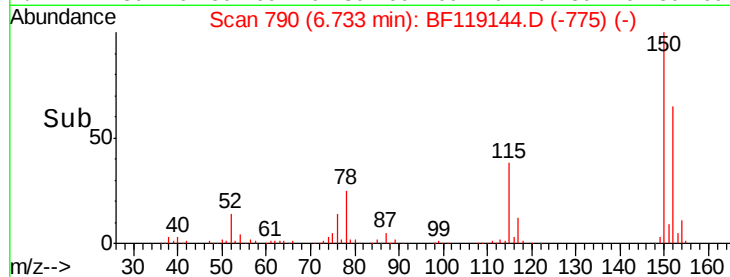
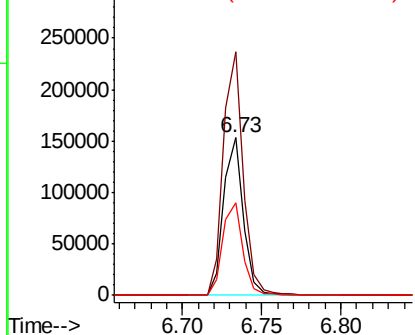
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.0	184.6
115	58.9	49.5	74.3



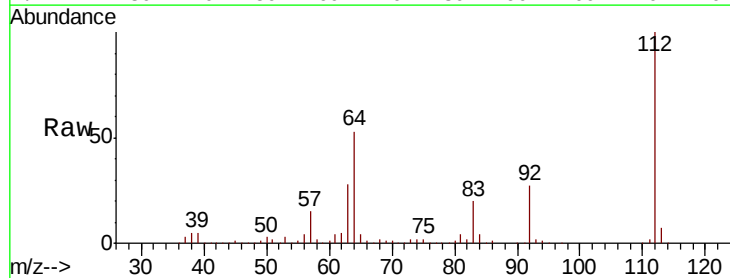
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



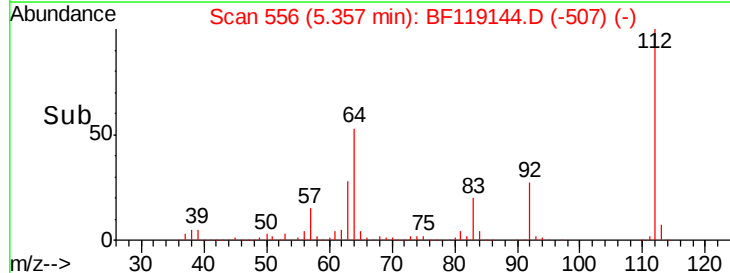
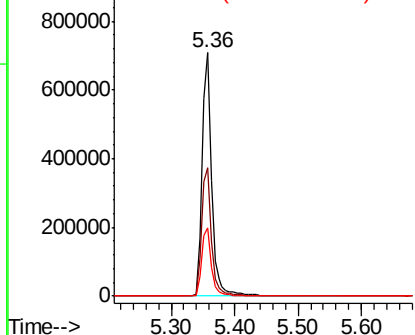
#5

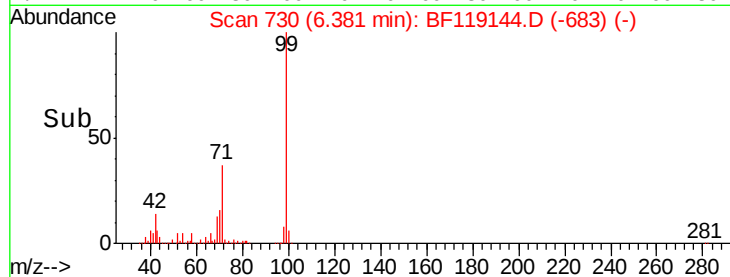
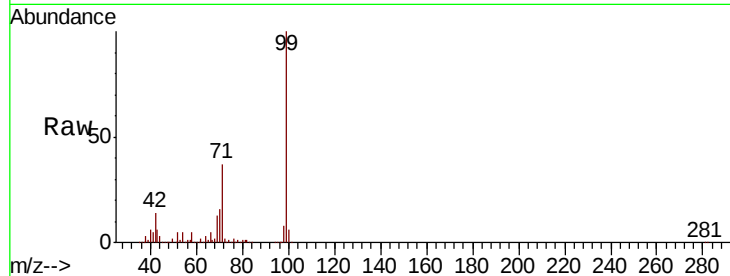
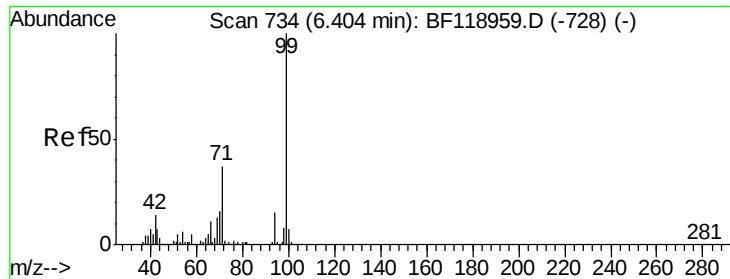
2-Fluorophenol
Concen: 92.845 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	45.0	67.4
63	28.2	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: 93.388 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Instrument :

BNA_F

ClientSampleId :

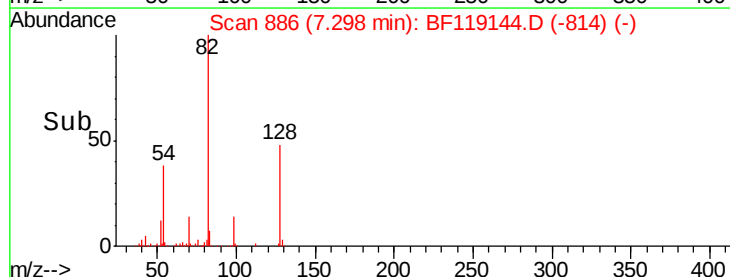
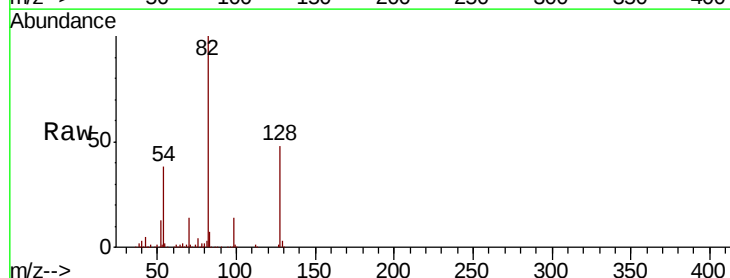
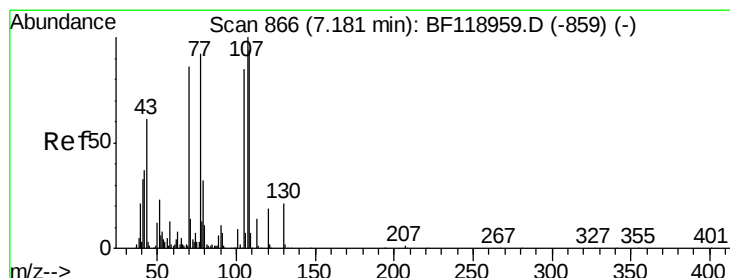
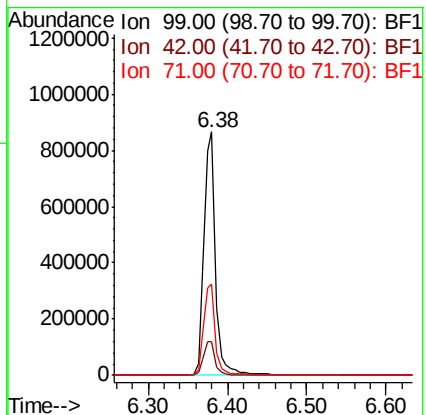
Tot Ion: 99 Resp: 896114

Ion Ratio Lower Upper

99 100

42 13.8 12.6 18.8

71 37.4 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.227 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Tgt Ion: 70 Resp: 79546

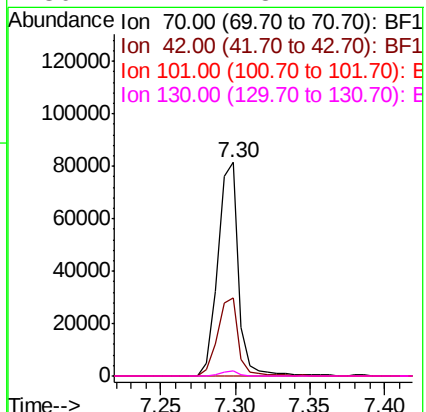
Ion Ratio Lower Upper

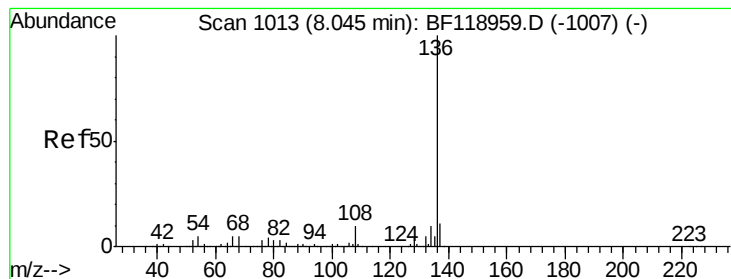
70 100

42 36.6 38.0 57.0#

101 0.0 8.2 12.4#

130 2.2 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 509991

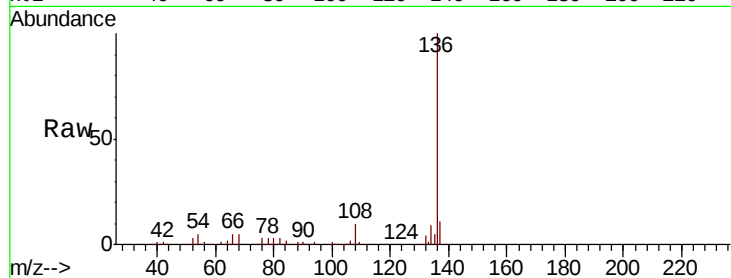
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 4.5 3.8 5.6

68 4.7 3.9 5.9

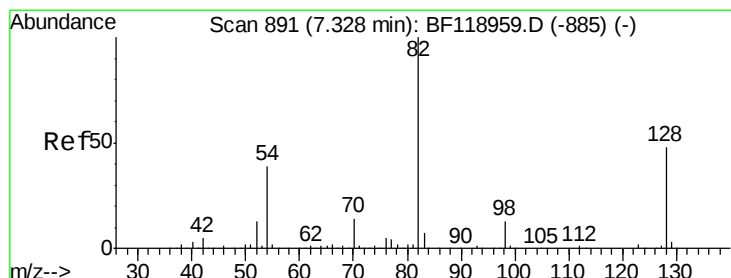
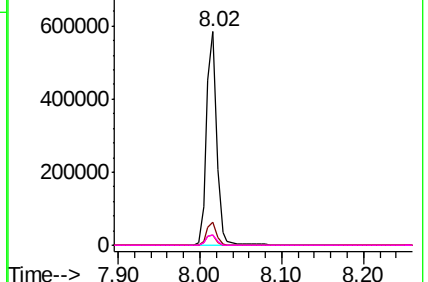
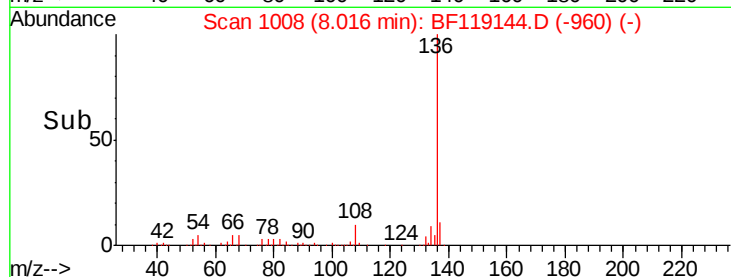


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.794 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

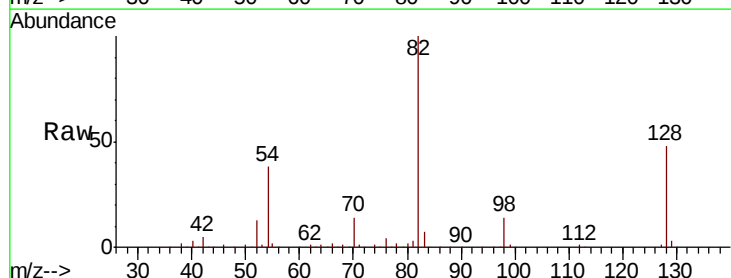
Tgt Ion: 82 Resp: 577546

Ion Ratio Lower Upper

82 100

128 48.2 37.9 56.9

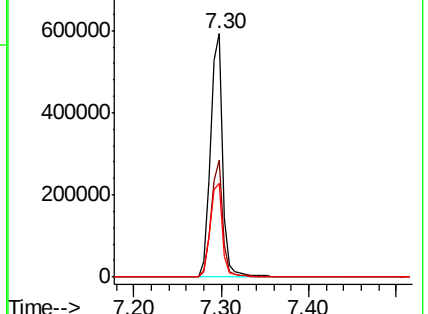
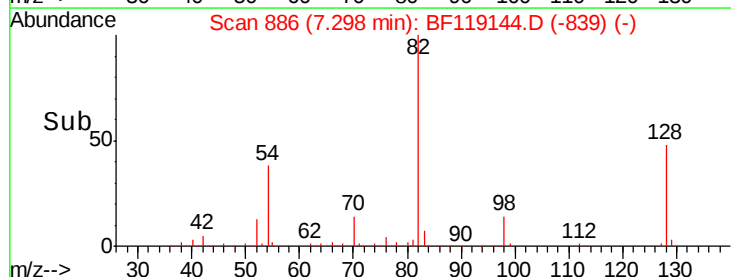
54 38.4 33.4 50.2

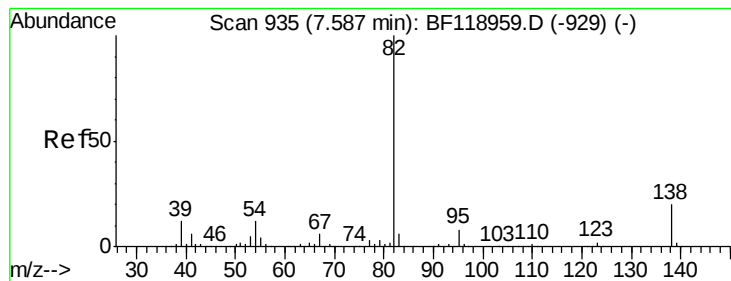


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.062 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

Instrument :

BNA_F

ClientSampleId :

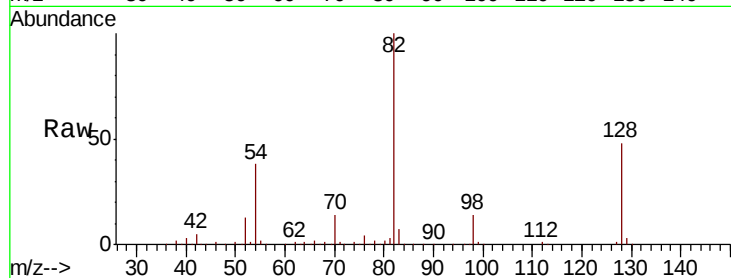
Tot Ion: 82 Resp: 571381

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

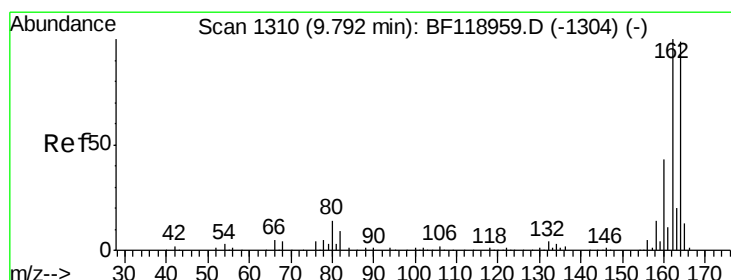
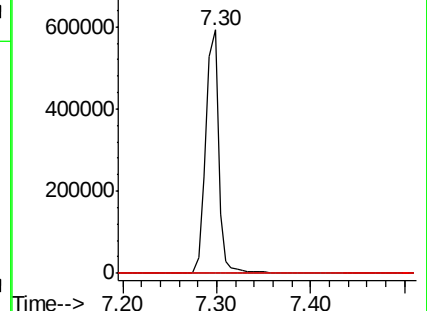
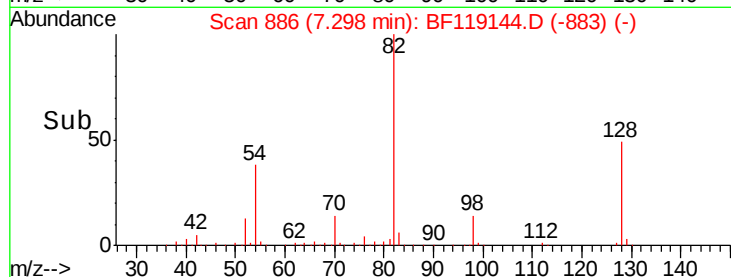
138 0.0 15.7 23.5#



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) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF119144.D

Acq: 28 Feb 2020 21:51

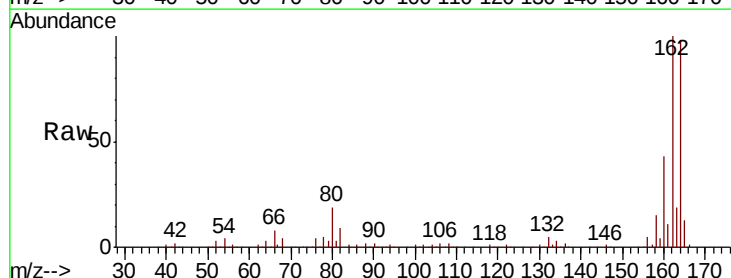
Tgt Ion: 164 Resp: 283193

Ion Ratio Lower Upper

164 100

162 102.1 81.8 122.8

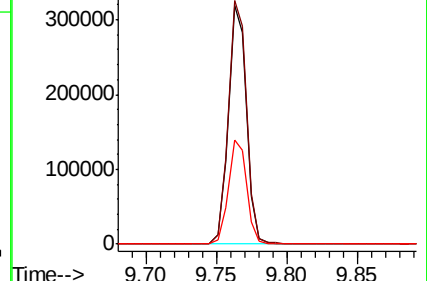
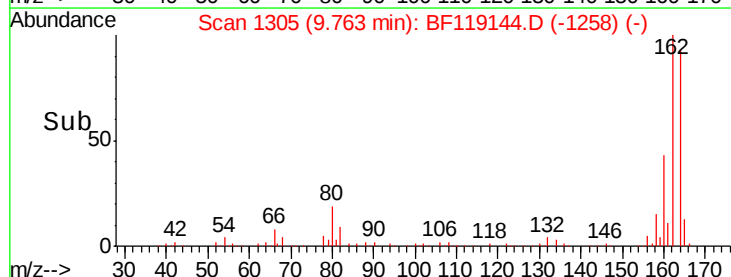
160 43.6 36.0 54.0

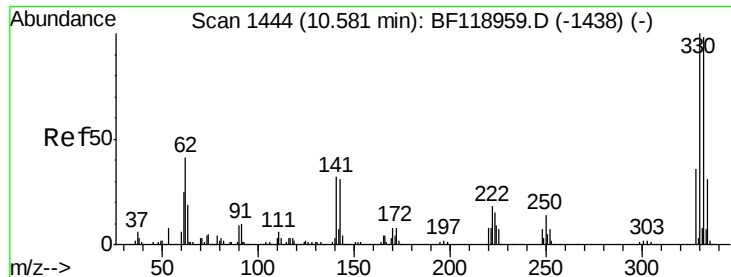


Abundance Ion 164.00 (163.70 to 164.70): BF118959.D (-1304) (-)

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

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

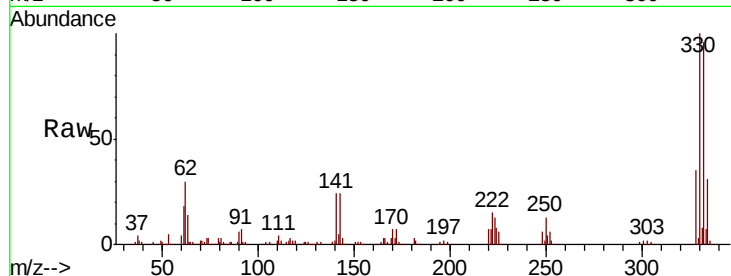




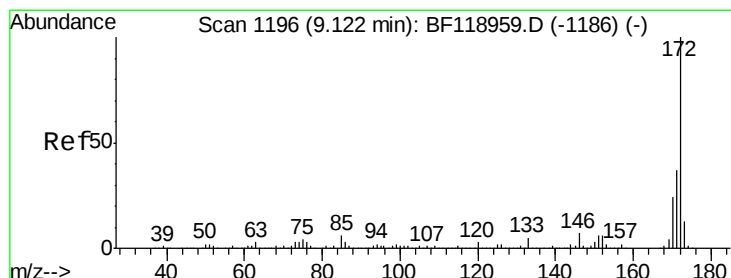
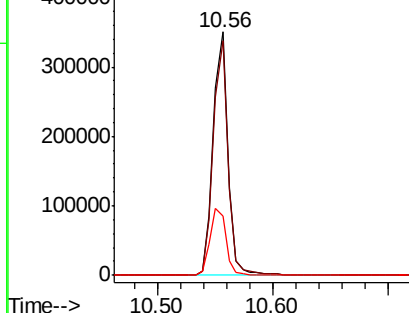
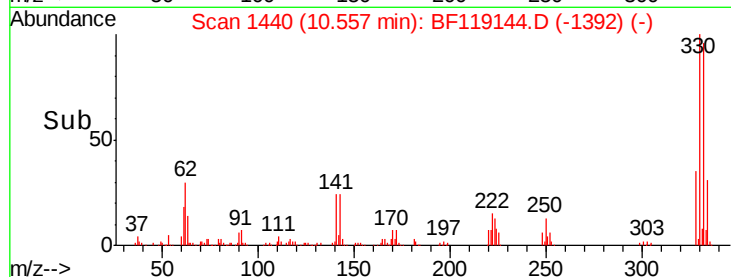
#42
 2,4,6-Tribromophenol
 Concen: 85.149 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.0	114.0
141	29.7	22.9	34.3

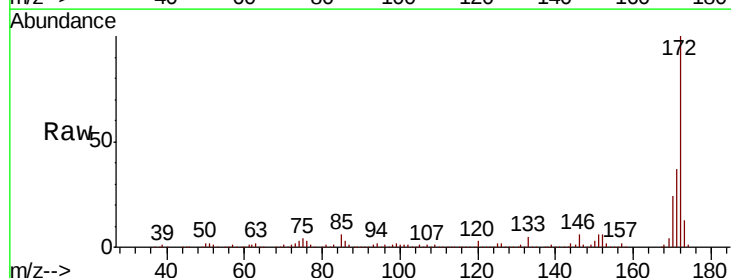


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

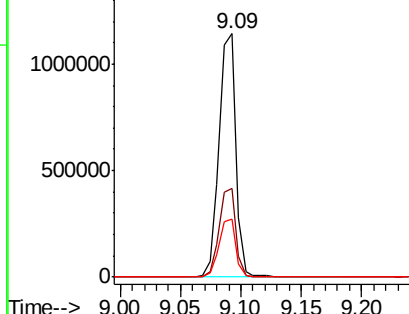
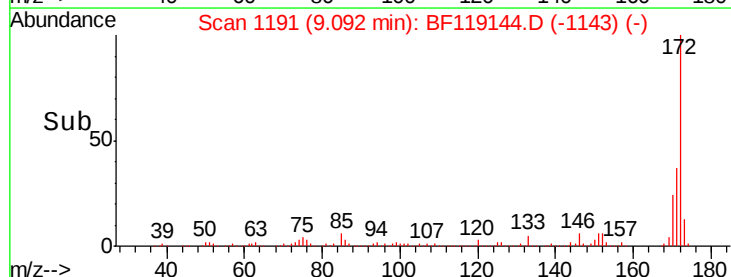


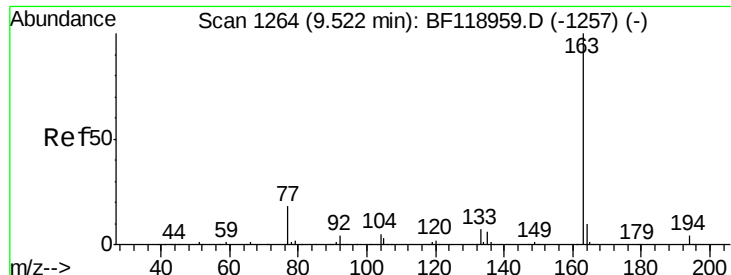
#45
 2-Fluorobiphenyl
 Concen: 56.868 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.6	45.8
170	24.0	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

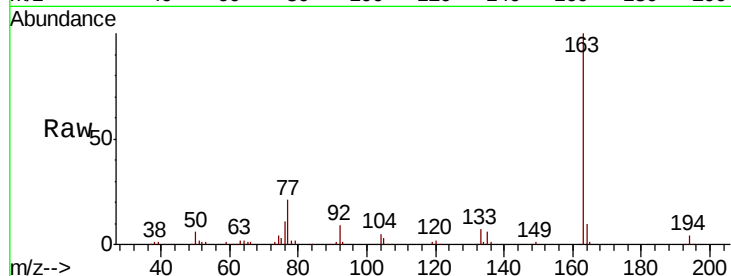




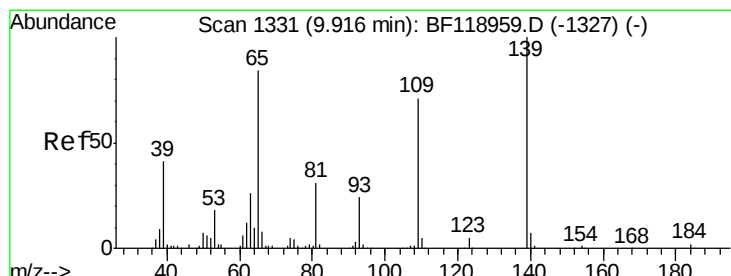
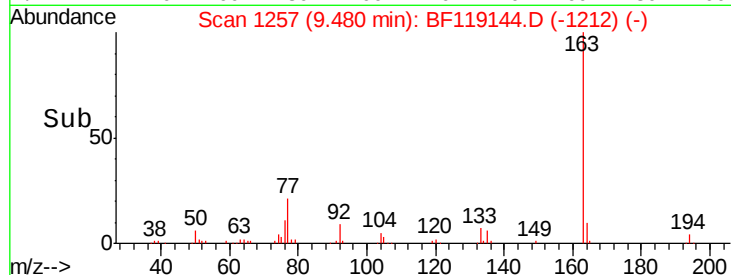
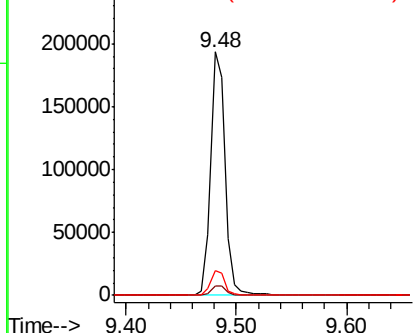
#50
Dimethylphthalate
Concen: 7.917 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 171444
Ion Ratio Lower Upper
163 100
194 4.0 3.5 5.3
164 10.3 8.4 12.6

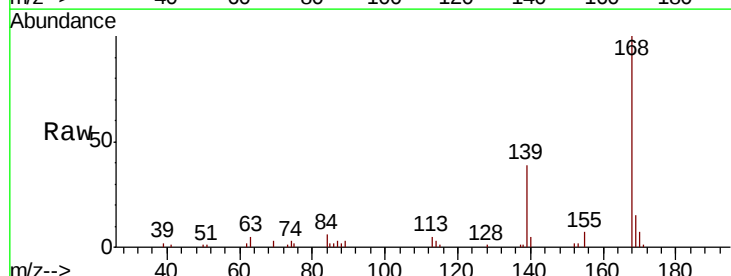


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

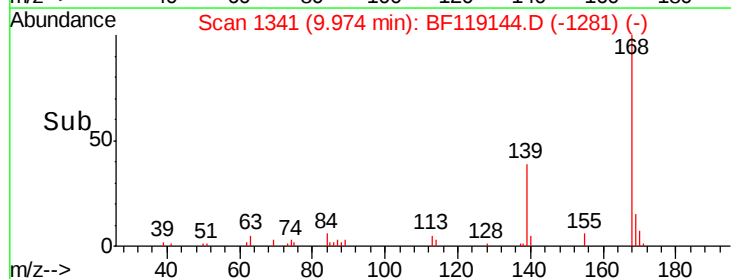
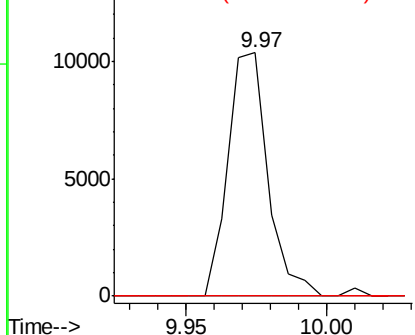


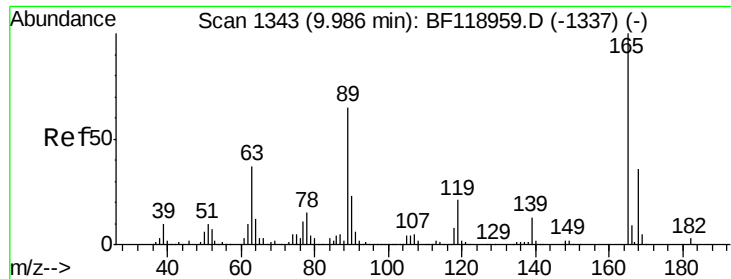
#56
4-Nitrophenol
Concen: 3.180 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.05 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Tgt Ion:139 Resp: 10191
Ion Ratio Lower Upper
139 100
109 0.0 56.7 96.7#
65 0.0 65.0 105.0#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

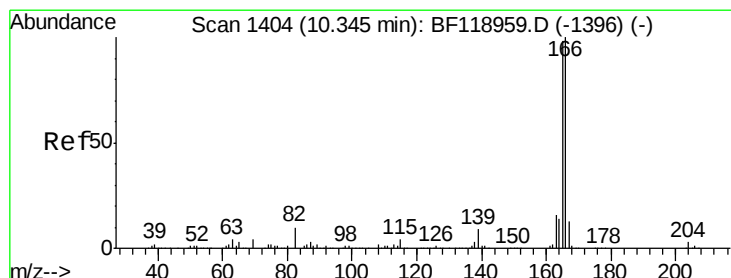
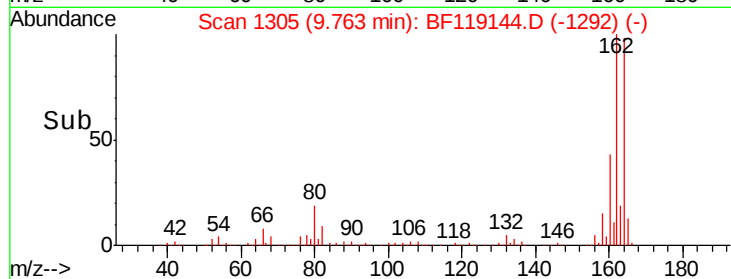
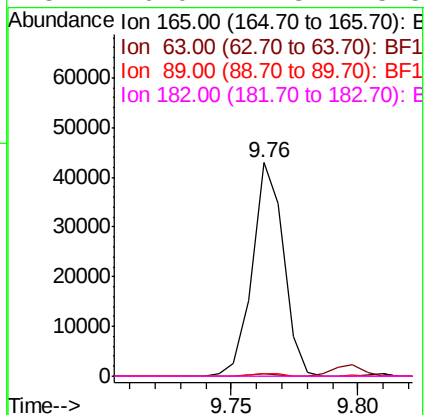
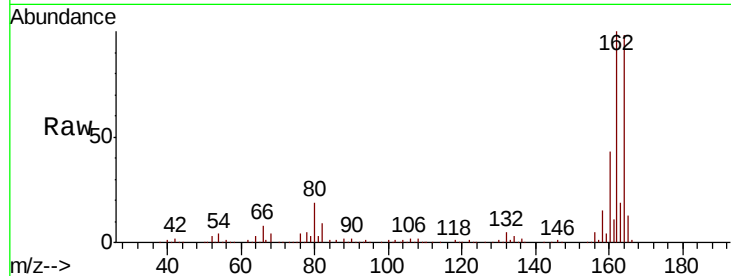




#57
 2,4-Dinitrotoluene
 Concen: 5.940 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.22 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

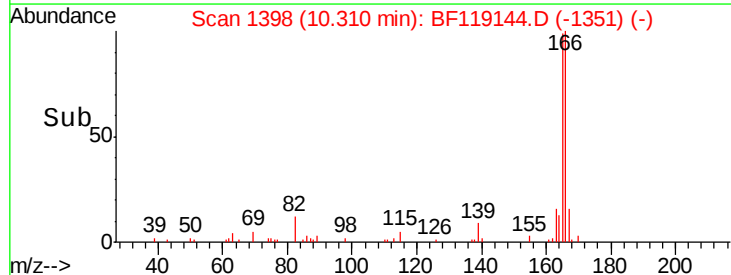
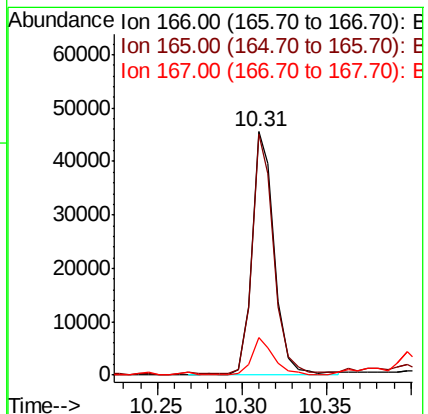
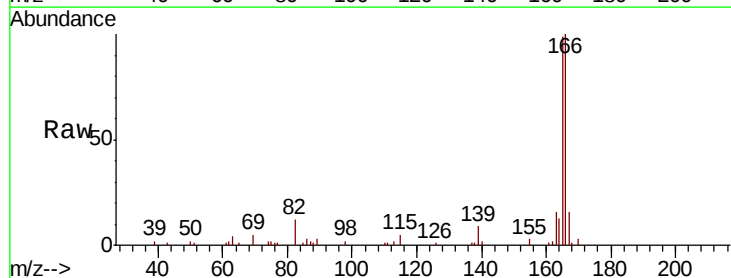
Instrument :
 BNA_F
 ClientSampleId :

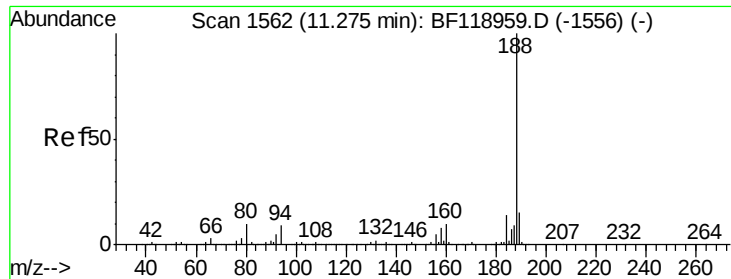
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.3	63.5#
89	1.2	60.2	90.4#
182	0.0	2.3	3.5#



#58
 Fluorene
 Concen: 2.260 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.5	117.7
167	15.7	11.0	16.4

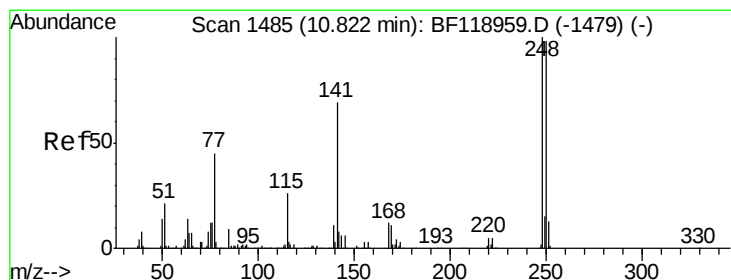
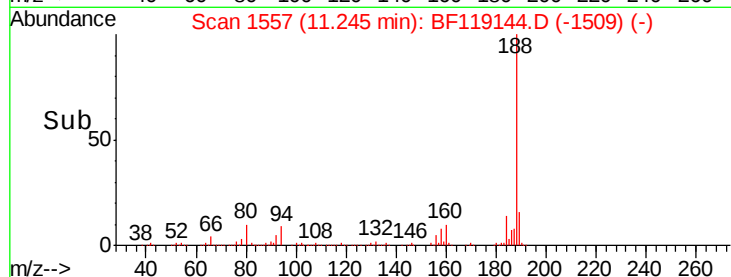
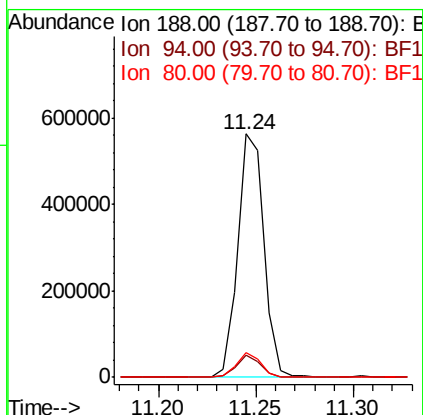
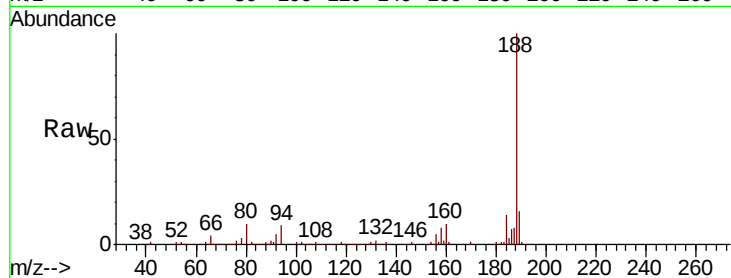




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

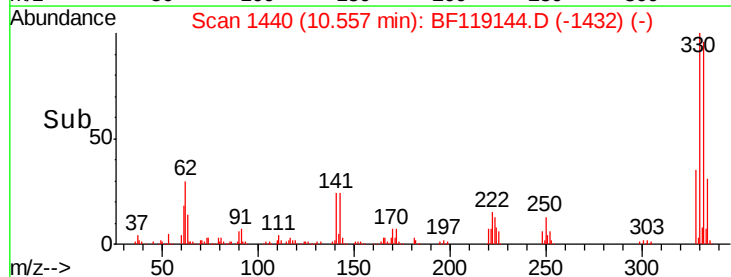
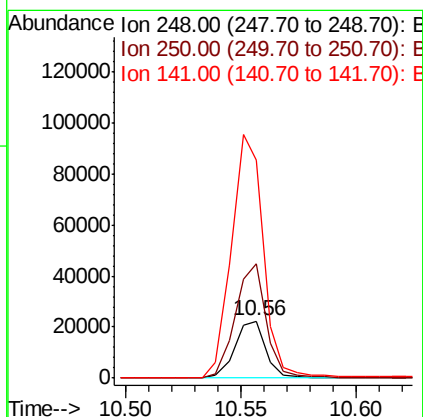
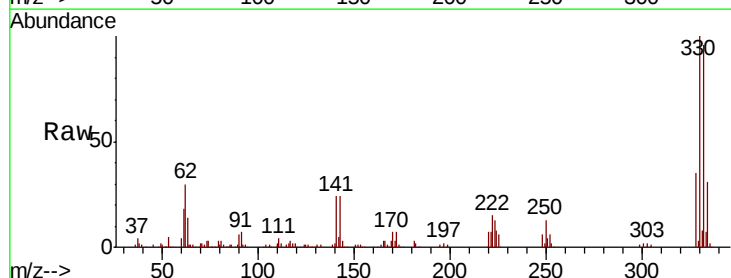
Instrument :
 BNA_F
 ClientSampleId :

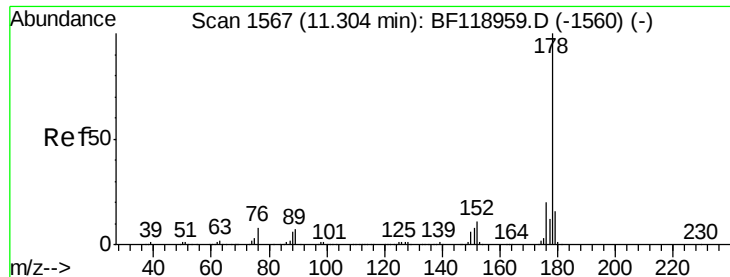
Tot Ion:188 Resp: 523487
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.1 10.7
 80 10.3 7.8 11.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.038 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Tgt Ion:248 Resp: 20789
 Ion Ratio Lower Upper
 248 100
 250 200.4 76.7 115.1#
 141 382.3 60.7 91.1#

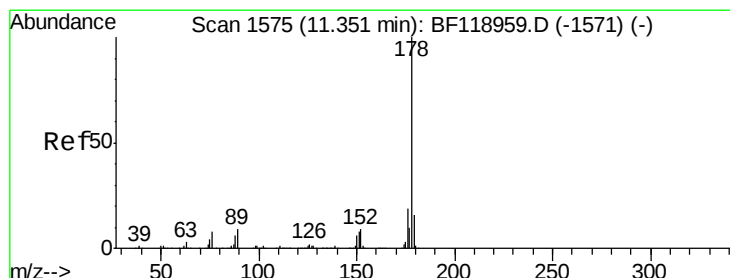
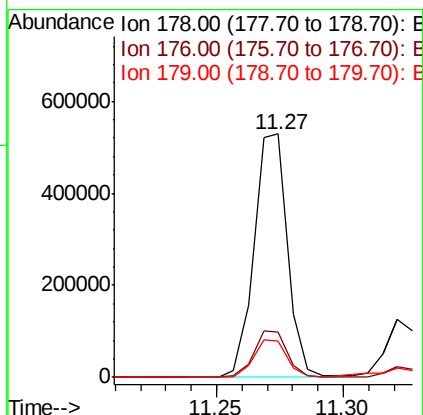
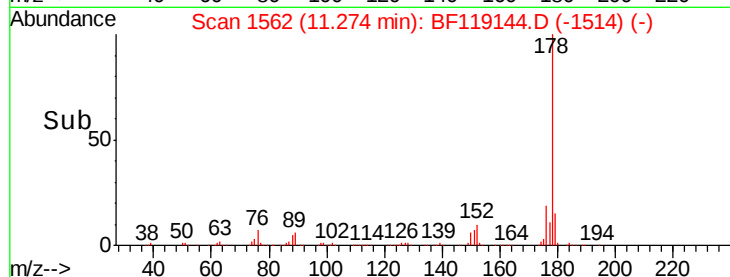
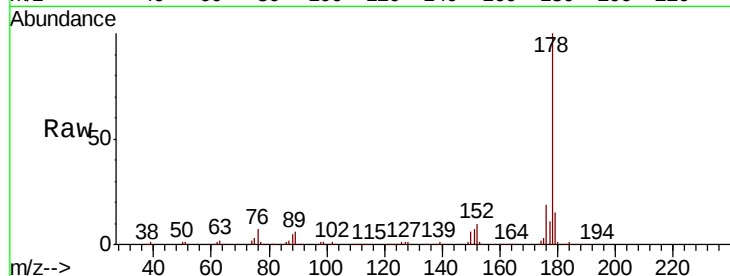




#71
Phenanthrene
Concen: 17.118 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

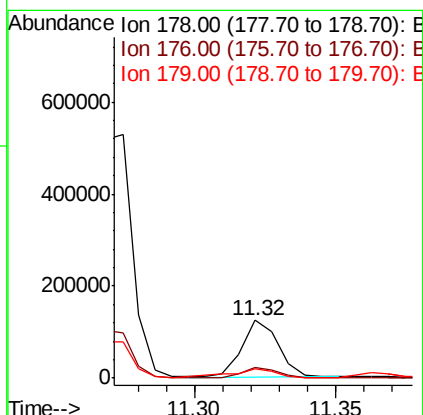
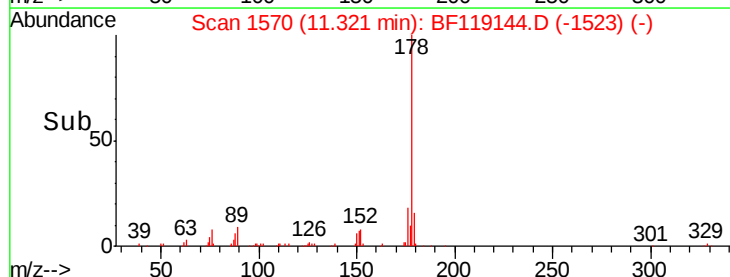
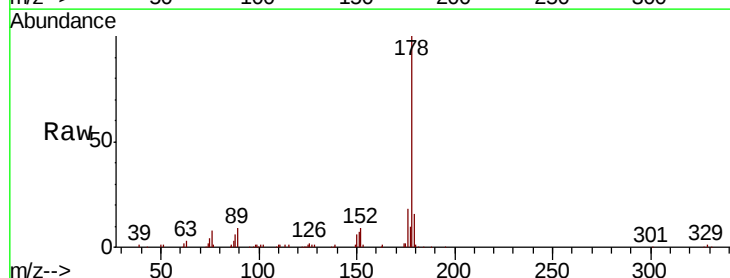
Instrument :
BNA_F
ClientSampleId :

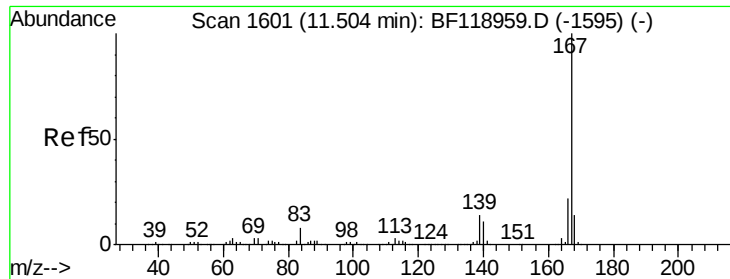
Tot Ion:178 Resp: 488681
Ion Ratio Lower Upper
178 100
176 18.8 16.5 24.7
179 15.0 13.0 19.6



#72
Anthracene
Concen: 3.900 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Tgt Ion:178 Resp: 111256
Ion Ratio Lower Upper
178 100
176 18.2 16.0 24.0
179 16.4 13.1 19.7

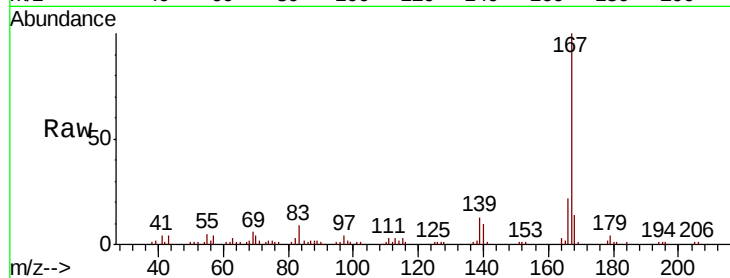




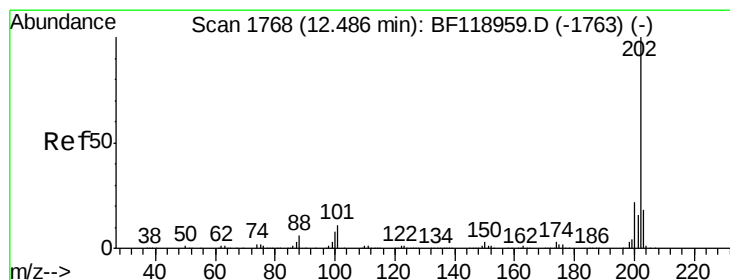
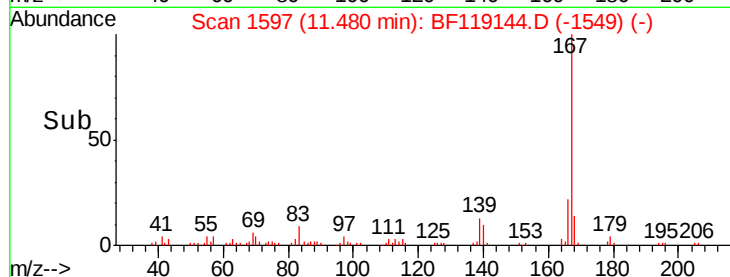
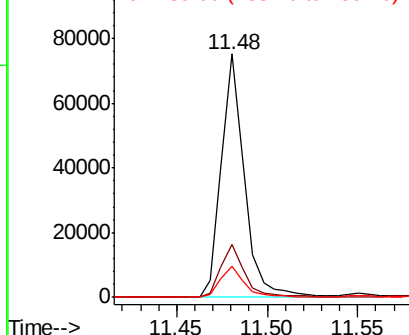
#73
 Carbazole
 Concen: 2.640 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.2	27.4
139	12.9	11.7	17.5

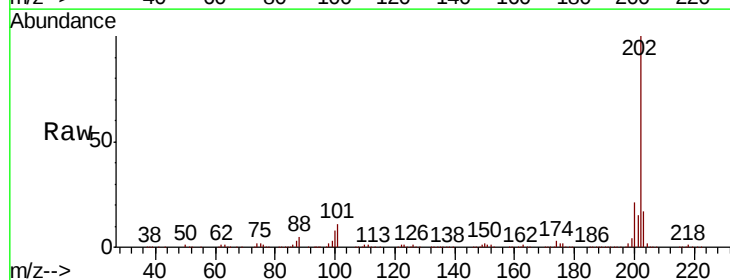


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

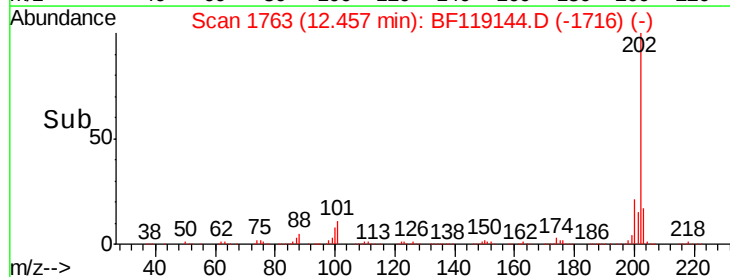
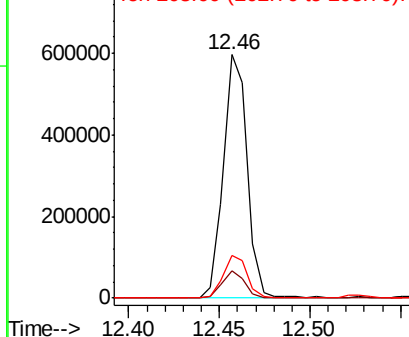


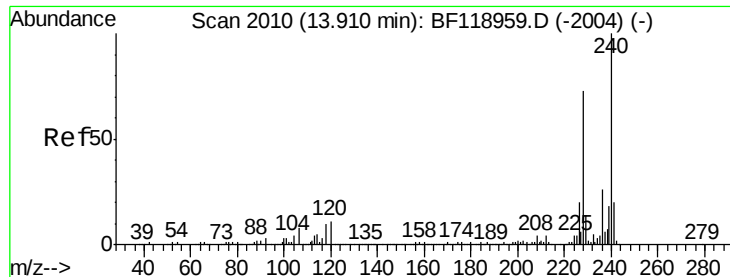
#75
 Fluoranthene
 Concen: 18.041 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	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

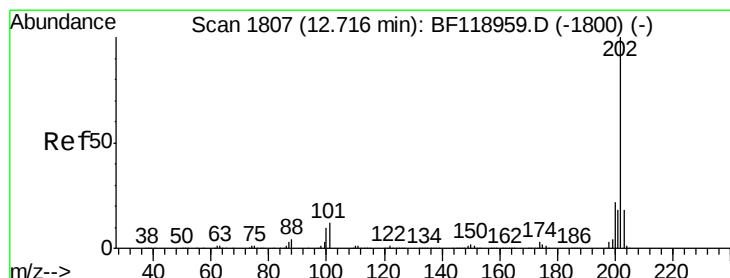
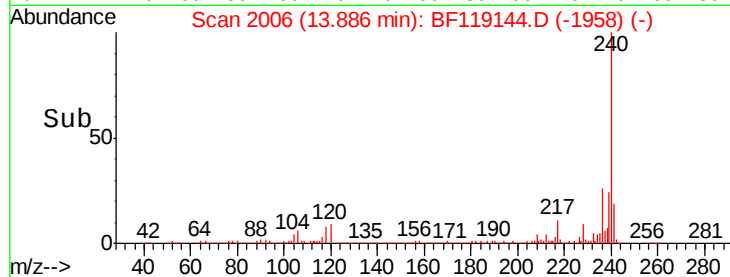
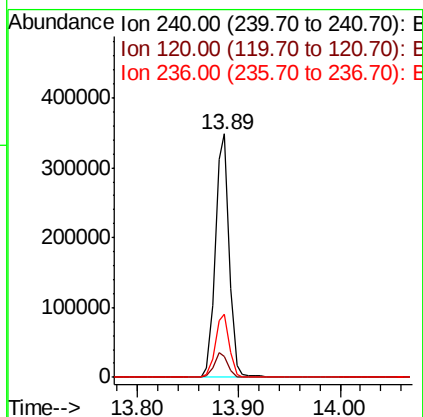
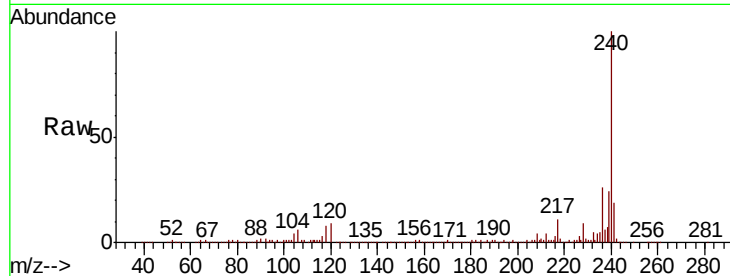




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

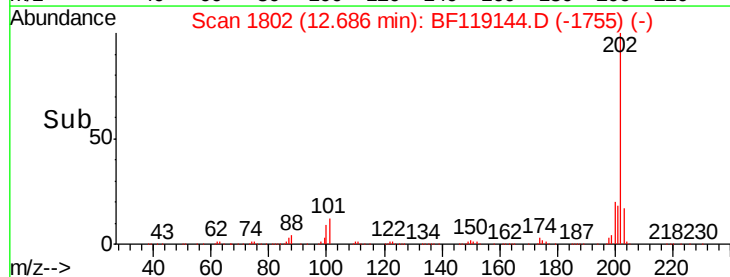
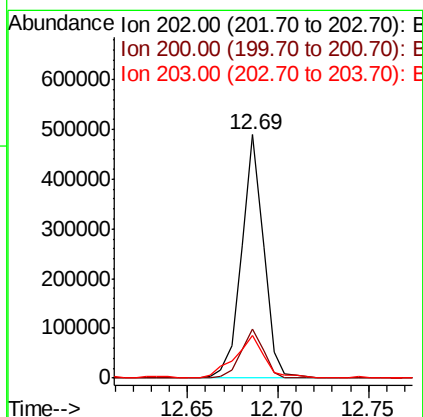
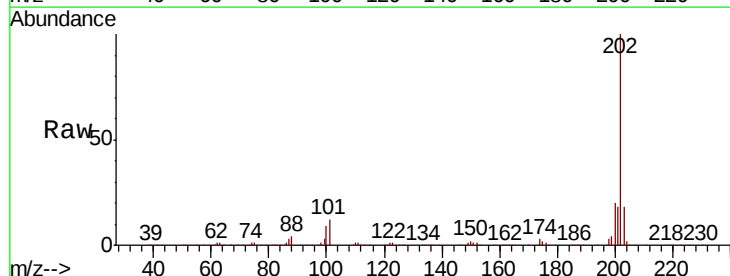
Instrument :
 BNA_F
 ClientSampleId :

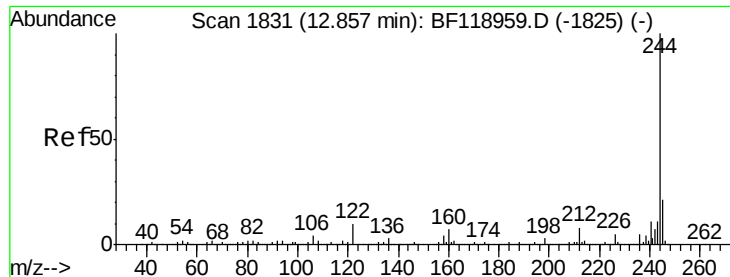
Tot Ion:240 Resp: 331641
 Ion Ratio Lower Upper
 240 100
 120 8.7 8.4 12.6
 236 25.8 21.0 31.4



#78
 Pyrene
 Concen: 15.545 ng
 RT: 12.69 min Scan# 1802
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Tgt Ion:202 Resp: 413969
 Ion Ratio Lower Upper
 202 100
 200 20.4 18.0 27.0
 203 17.5 14.6 22.0



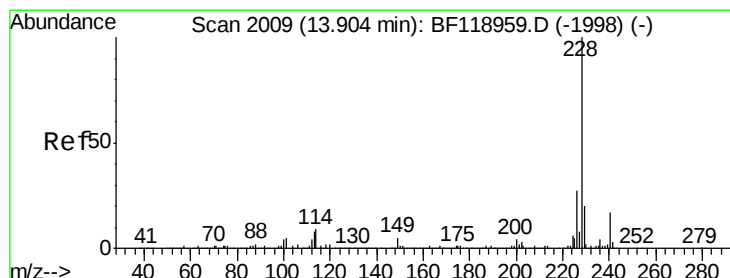
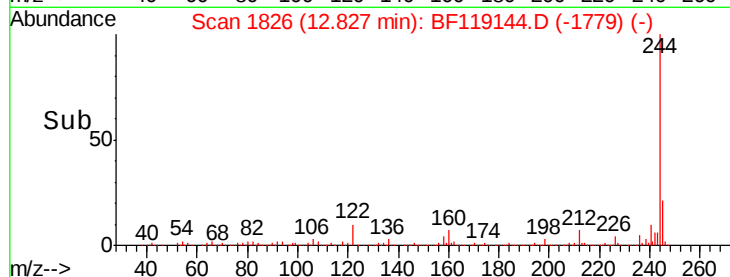
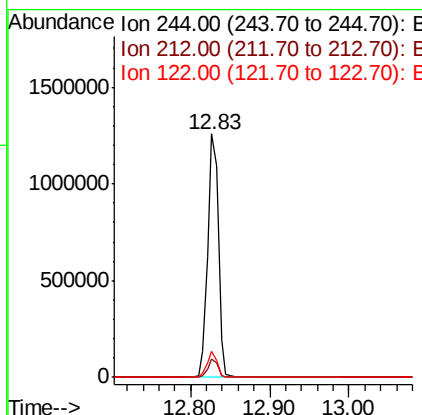
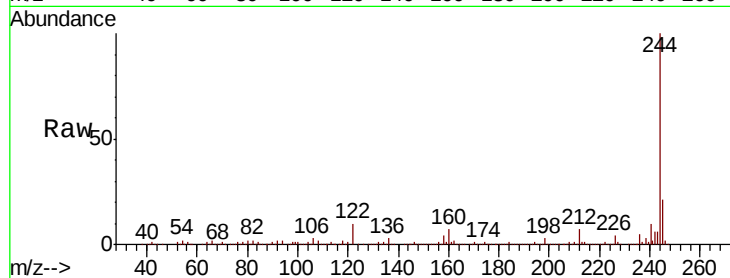


#79
 Terphenyl-d14
 Concen: 61.677 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1188070

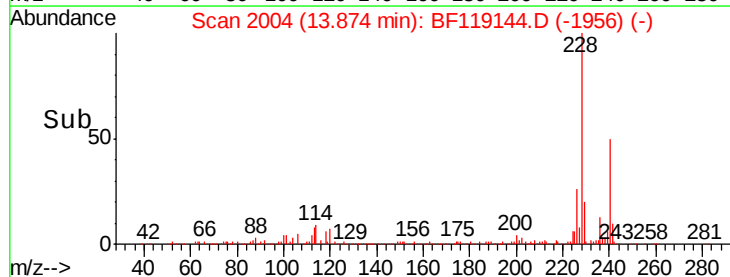
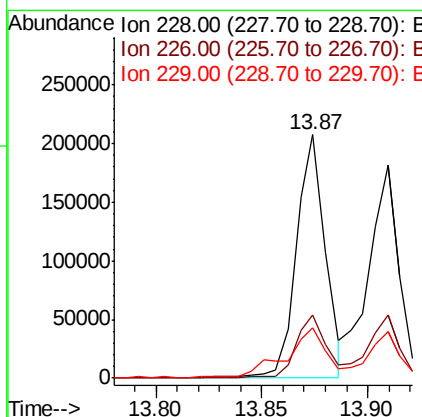
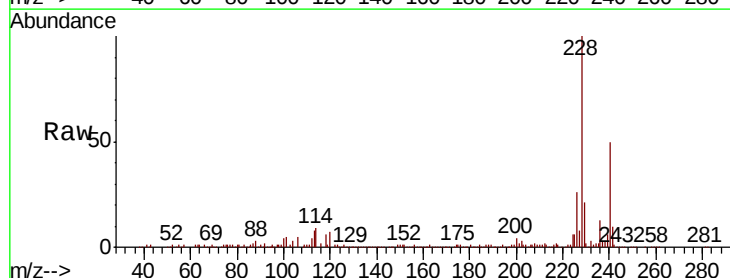
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.6	10.0
122	10.5	8.2	12.2

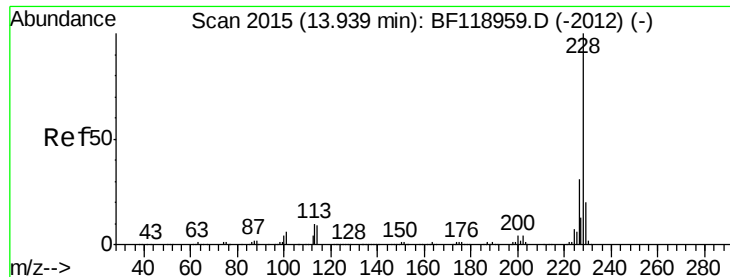


#81
 Benzo(a)anthracene
 Concen: 8.641 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.02 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Tgt Ion:228 Resp: 195250

Ion	Ratio	Lower	Upper
228	100		
226	25.9	22.6	33.8
229	20.8	16.6	24.8

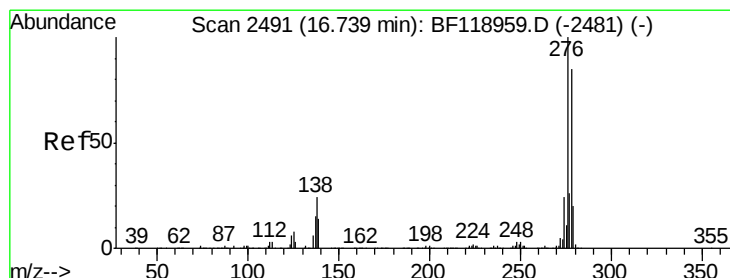
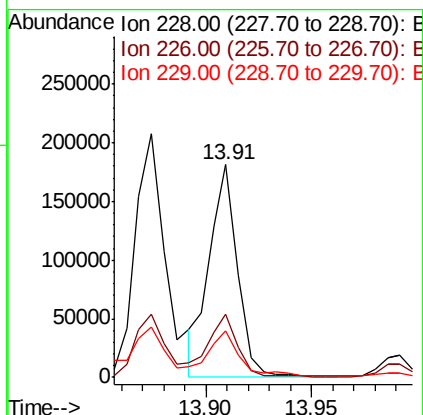
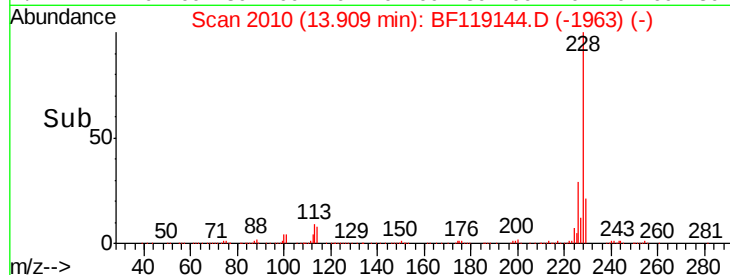
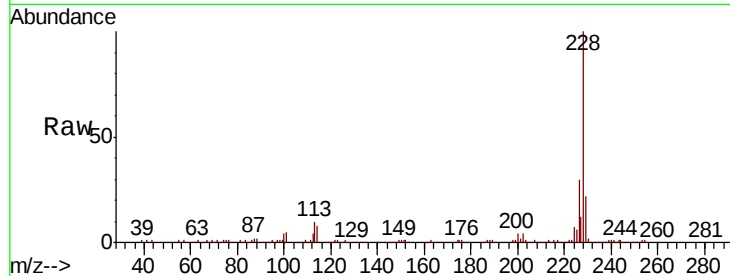




#83
Chrysene
Concen: 7.469 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

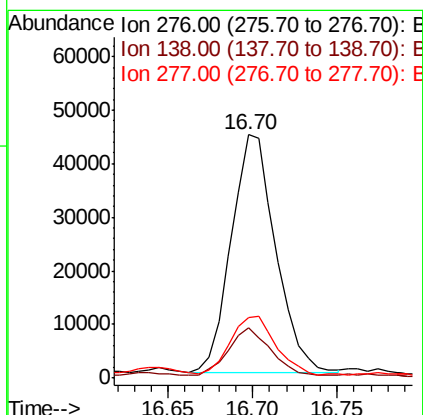
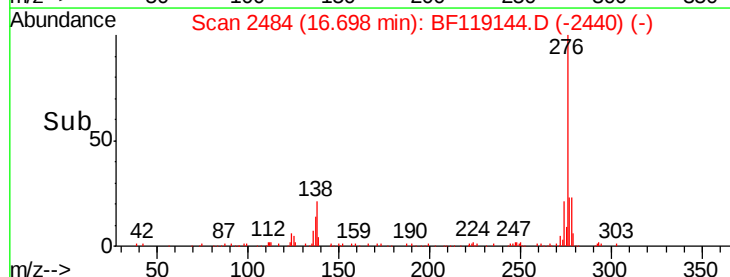
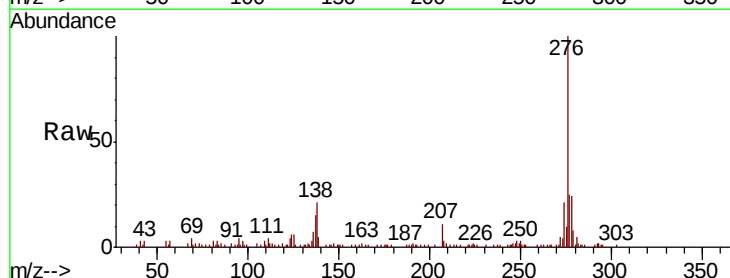
Instrument :
BNA_F
ClientSampleId :

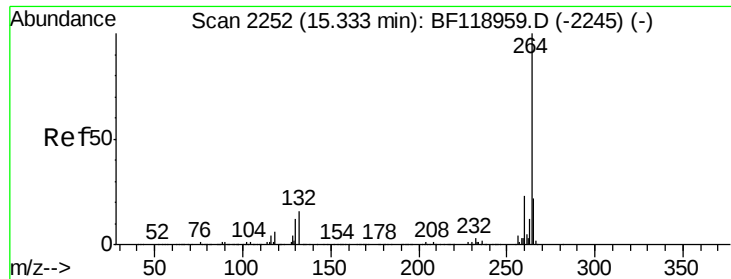
Tot Ion:228 Resp: 168161
Ion Ratio Lower Upper
228 100
226 29.5 25.1 37.7
229 22.0 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.736 ng
RT: 16.70 min Scan# 2484
Delta R.T. -0.04 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Tgt Ion:276 Resp: 81460
Ion Ratio Lower Upper
276 100
138 18.2 17.4 26.0
277 24.5 20.3 30.5

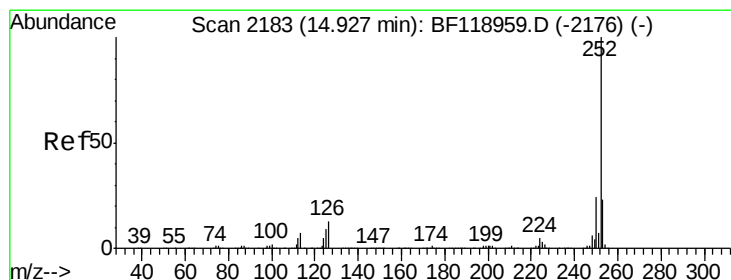
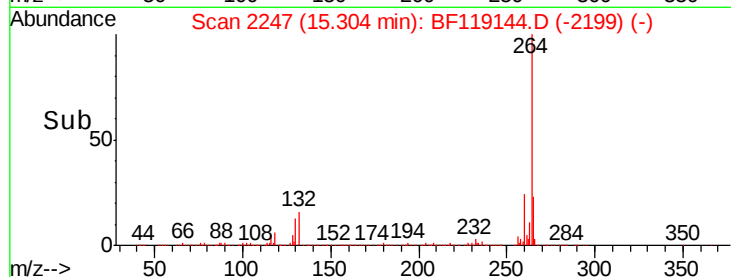
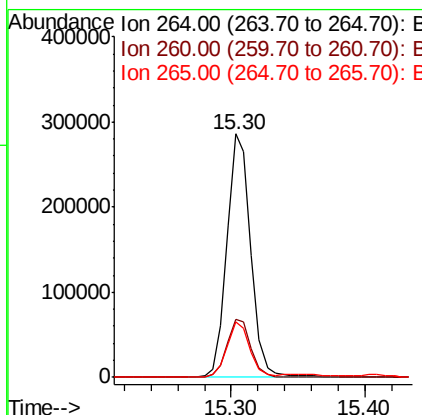
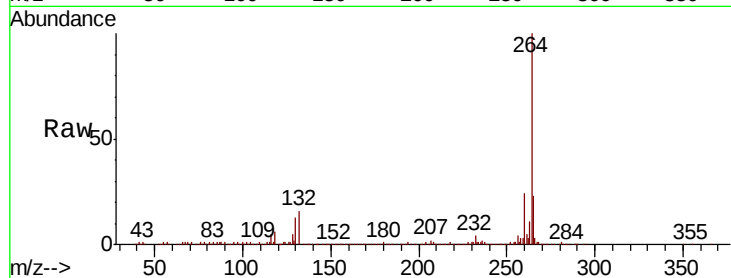




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

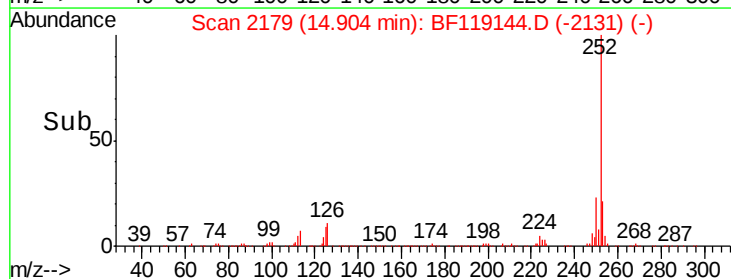
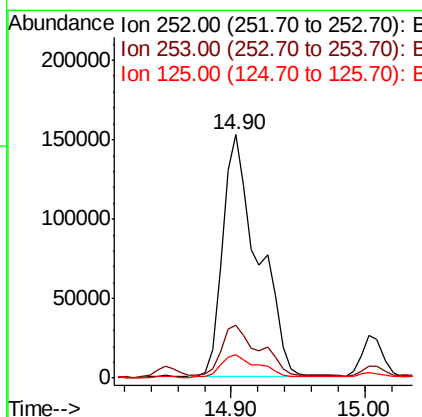
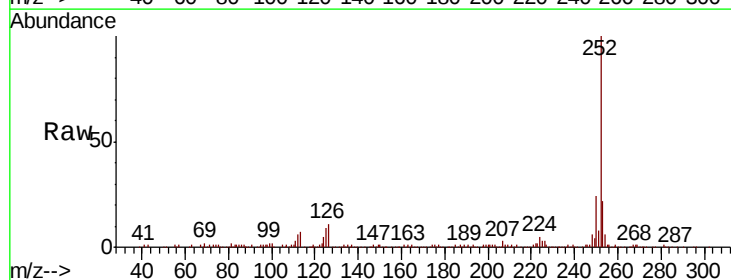
Instrument :
BNA_F
ClientSampleId :

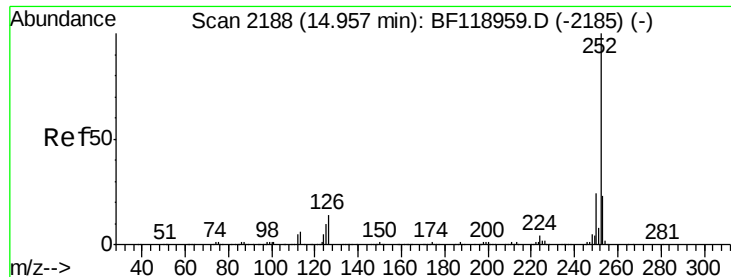
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	22.7	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 11.910 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	9.5	7.4	11.0

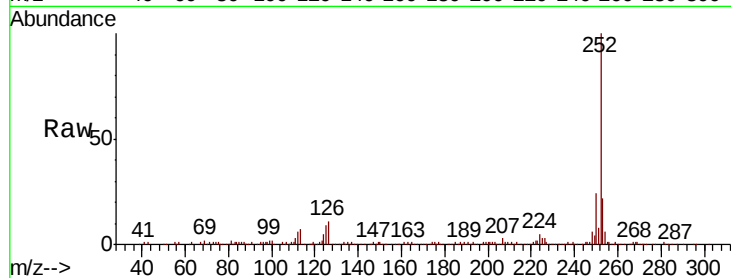




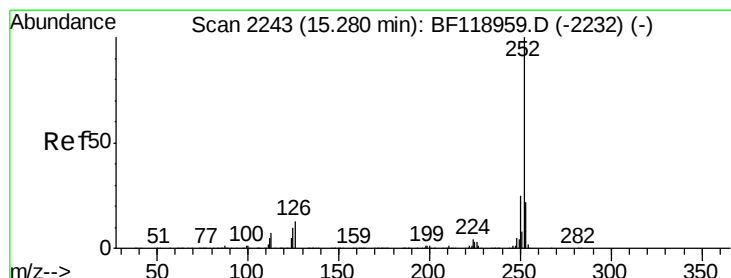
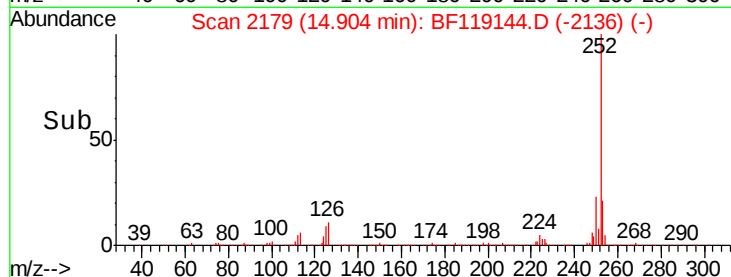
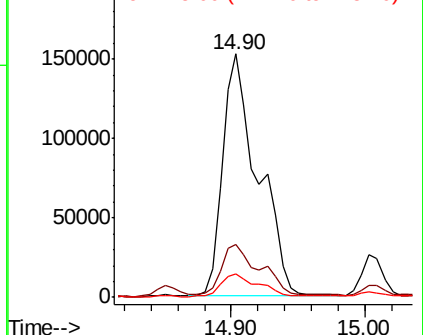
#89
Benzo(k)fluoranthene
Concen: 12.851 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.05 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 282484
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.8
125 9.5 7.5 11.3

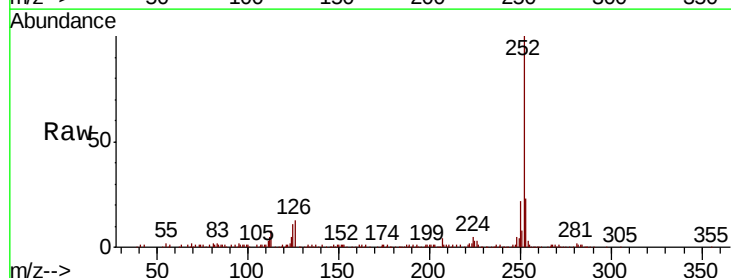


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

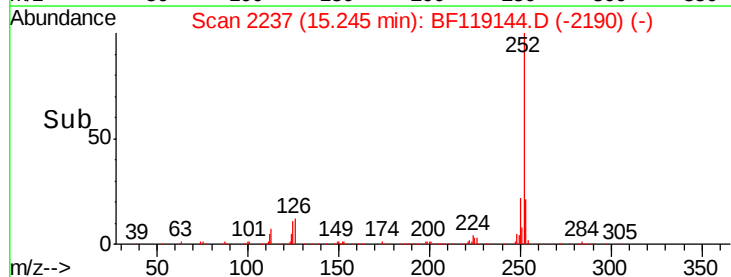
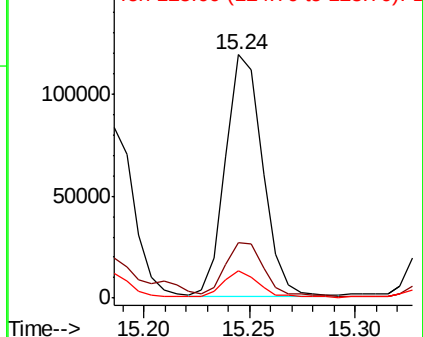


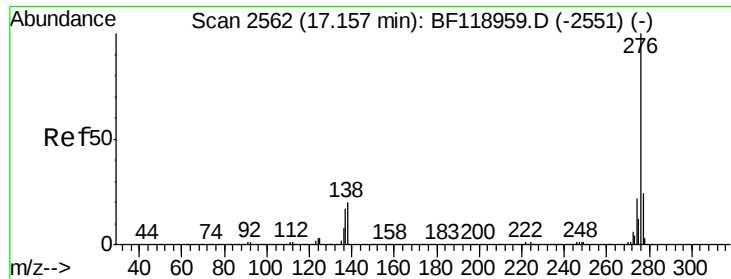
#90
Benzo(a)pyrene
Concen: 6.804 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF119144.D
Acq: 28 Feb 2020 21:51

Tgt Ion:252 Resp: 145650
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 11.3 8.6 12.8



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

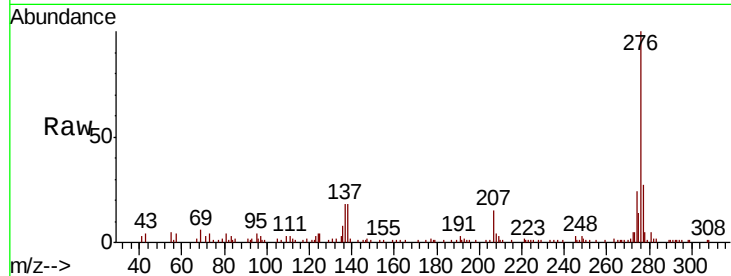




#92
 Benzo(a,h,i)perylene
 Concen: 3.982 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.04 min
 Lab File: BF119144.D
 Acq: 28 Feb 2020 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.7	28.1
138	17.9	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

