

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
 Data File : BF112973.D
 Acq On : 11 Mar 2019 23:44
 Operator : JU/SJ
 Sample : K1691-05 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-C

Quant Time: Mar 12 04:43:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	167237	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	643934	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	384914	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	783071	20.00	ng	0.00
76) Chrysene-d12	13.86	240	551328	20.00	ng	-0.01
87) Perylene-d12	15.27	264	444186	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	175384	16.31	ng	-0.02
7) Phenol-d6	6.36	99	244235	18.08	ng	0.00
23) Nitrobenzene-d5	7.29	82	133021	12.36	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	94493	23.12	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	322281	10.06	ng	-0.01
79) Terphenyl-d14	12.82	244	330756	11.63	ng	-0.01

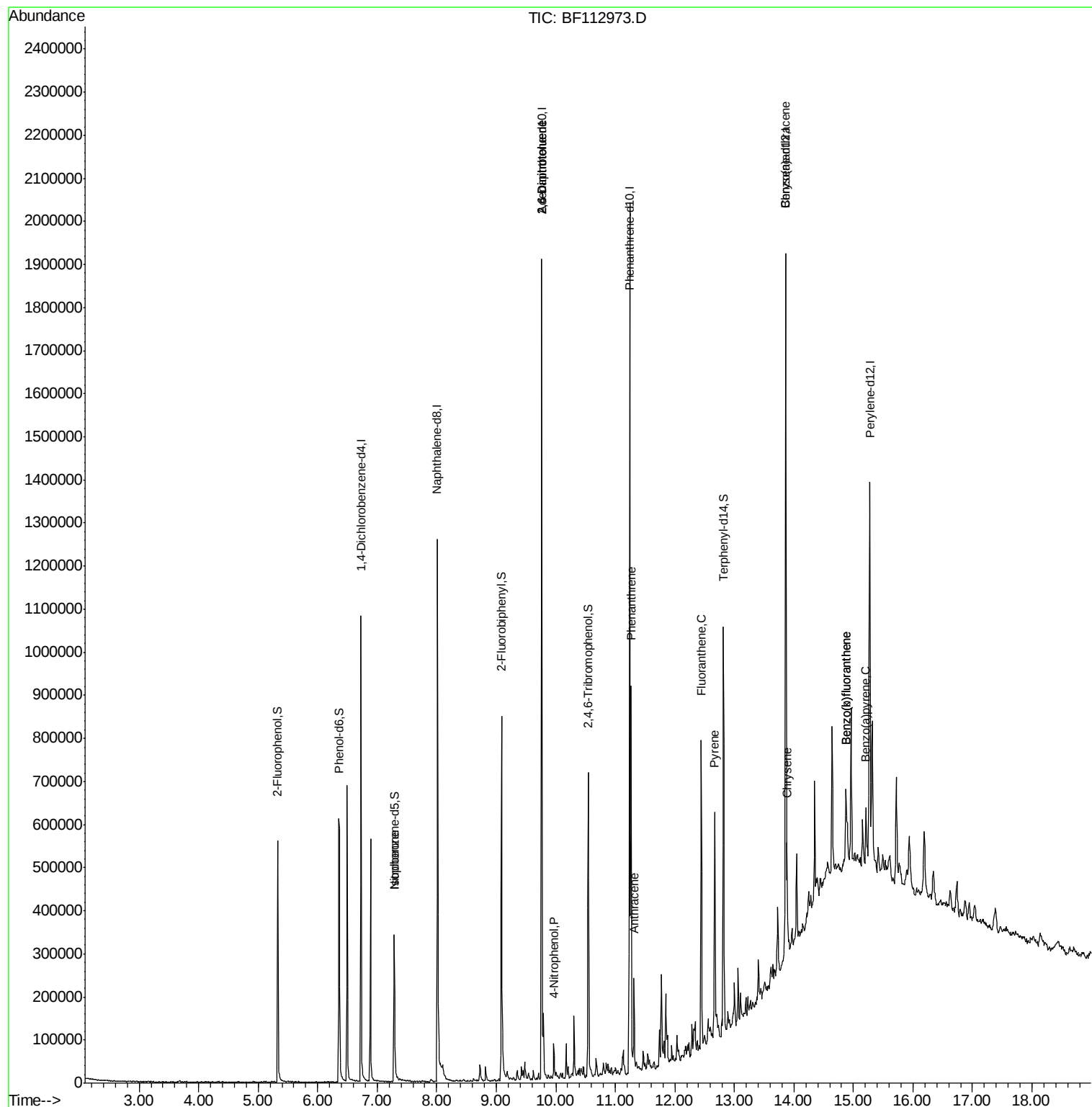
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.29	82	133019	5.738	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	49976	8.456	ng	# 18
56) 4-Nitrophenol	9.97	139	11708	2.000	ng	# 8
57) 2,4-Dinitrotoluene	9.76	165	50098	6.819	ng	# 18
71) Phenanthrene	11.26	178	310330	7.965	ng	97
72) Anthracene	11.32	178	94323	2.313	ng	97
75) Fluoranthene	12.45	202	291170	6.975	ng	96
78) Pyrene	12.67	202	243434	5.238	ng	97
81) Benzo(a)anthracene	13.86	228	102071	2.671	ng	97
83) Chrysene	13.89	228	98132	2.622	ng	95
88) Benzo(b)fluoranthene	14.87	252	128964	4.489	ng	94
89) Benzo(k)fluoranthene	14.87	252	128964	4.955	ng	# 94
90) Benzo(a)pyrene	15.21	252	66283	2.608	ng	# 93

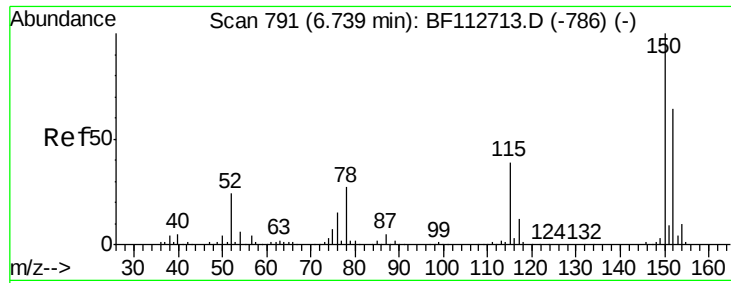
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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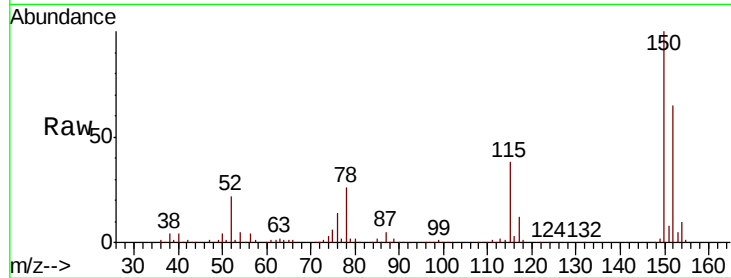




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF112973.D
 Acq: 11 Mar 2019 23:44

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.2	186.2
115	59.2	48.2	72.4

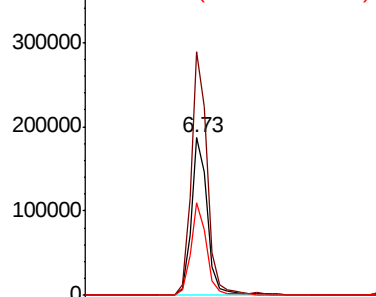


Abundance

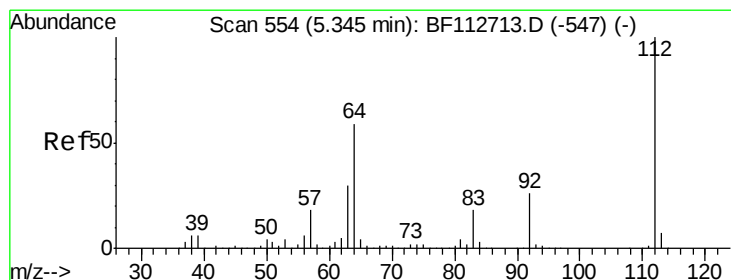
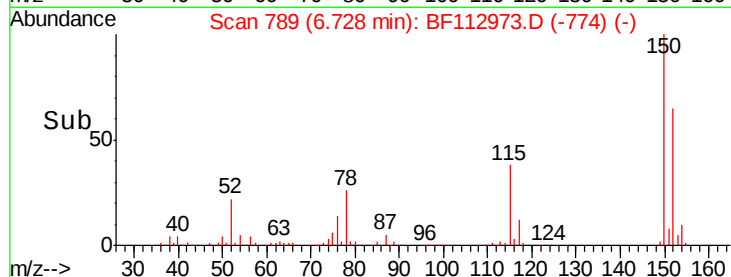
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

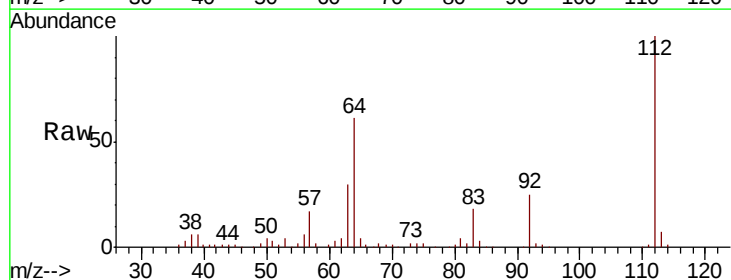


Time-->



#5
 2-Fluorophenol
 Concen: 16.313 ng
 RT: 5.33 min Scan# 551
 Delta R.T. -0.02 min
 Lab File: BF112973.D
 Acq: 11 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.6	71.4
63	29.6	24.4	36.6

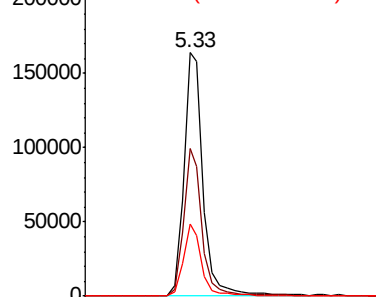


Abundance

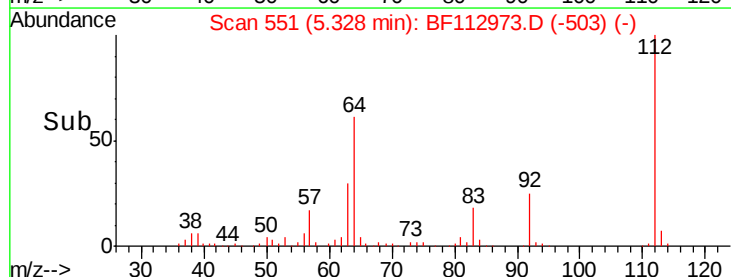
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 18.085 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-C

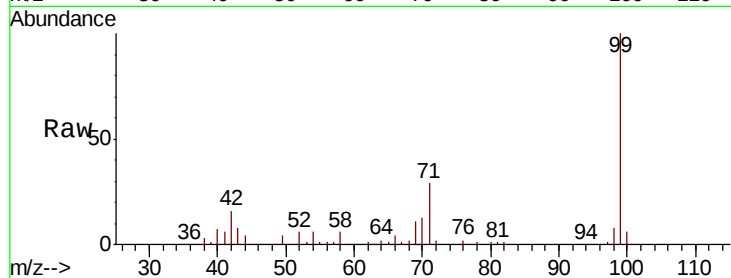
Tgt Ion: 99 Resp: 244235

Ion Ratio Lower Upper

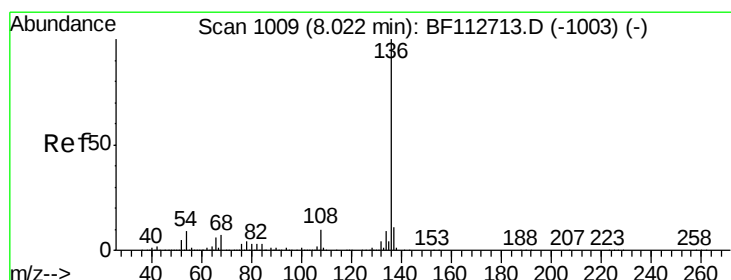
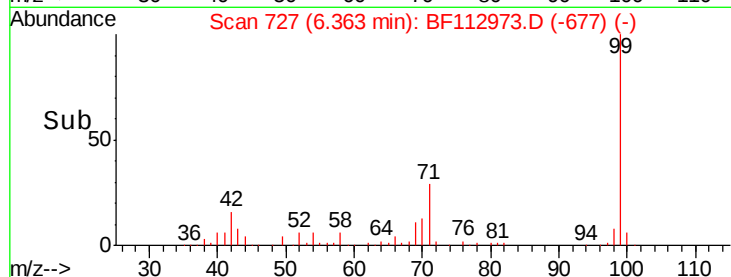
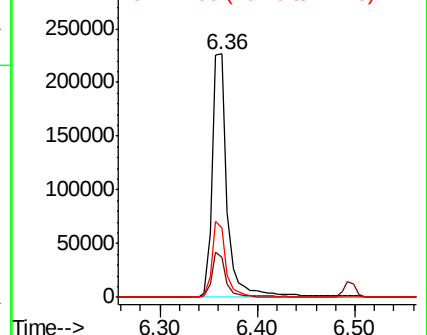
99 100

42 16.5 16.3 24.5

71 28.8 26.2 39.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Tgt Ion: 136 Resp: 643934

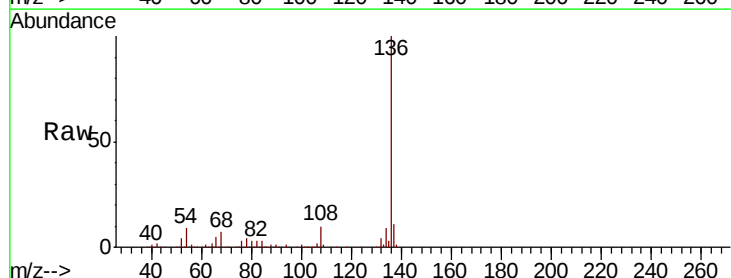
Ion Ratio Lower Upper

136 100

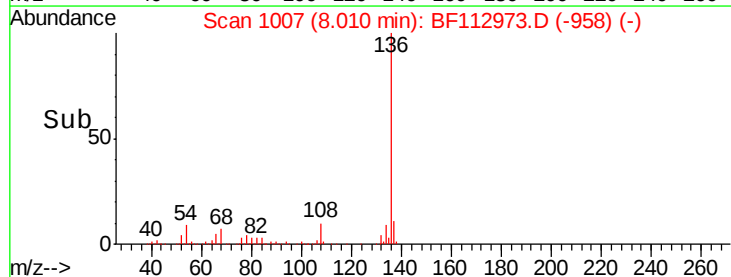
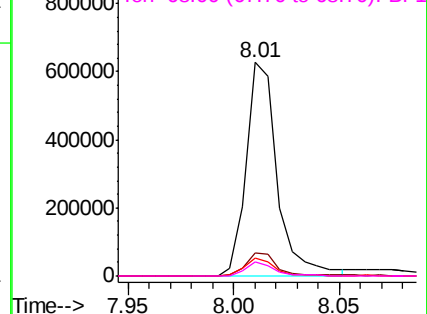
137 11.1 8.9 13.3

54 8.6 7.3 10.9

68 6.5 5.4 8.2



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

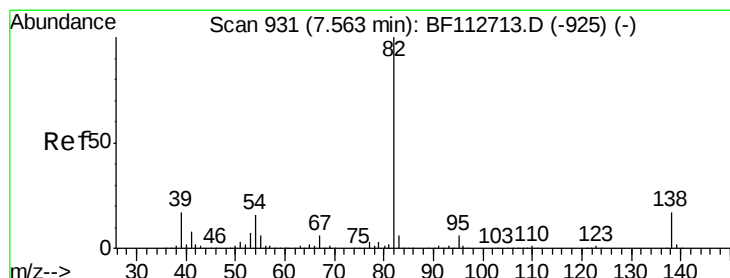
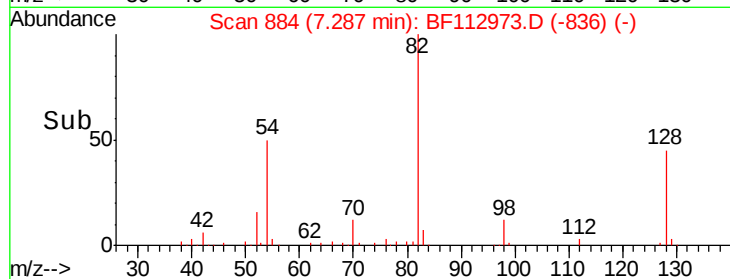
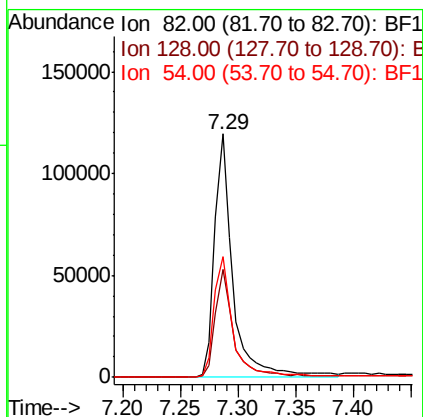
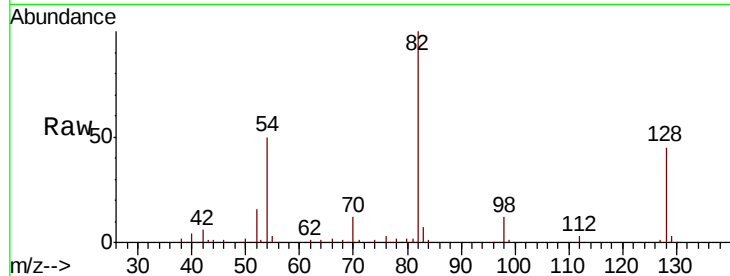




#23
Nitrobenzene-d5
Concen: 12.361 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

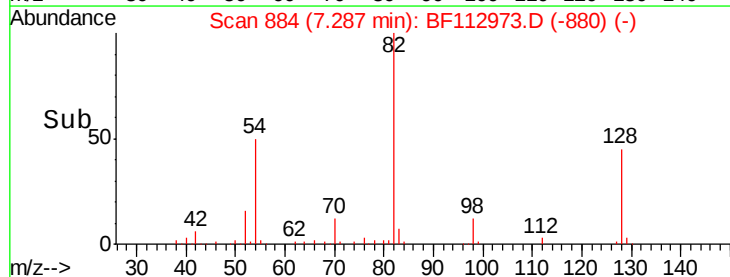
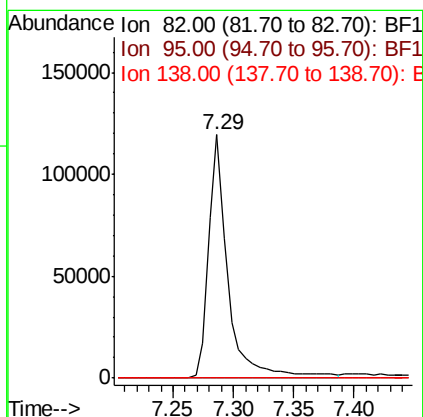
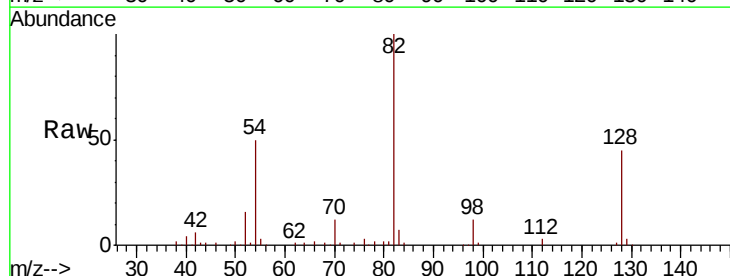
Instrument :
BNA_F
ClientSampleId :
CL-02-030819-C

Tgt Ion: 82 Resp: 133021
Ion Ratio Lower Upper
82 100
128 44.6 36.3 54.5
54 49.7 43.7 65.5



#25
Isophorone
Concen: 5.738 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Tgt Ion: 82 Resp: 133019
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#

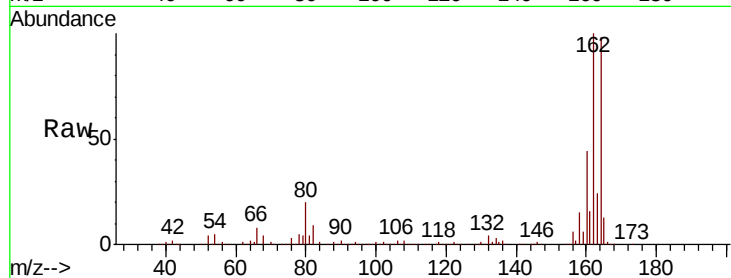




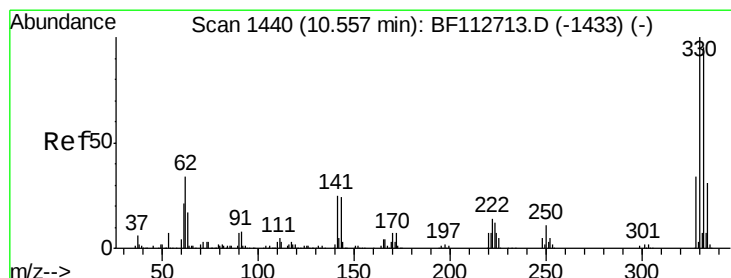
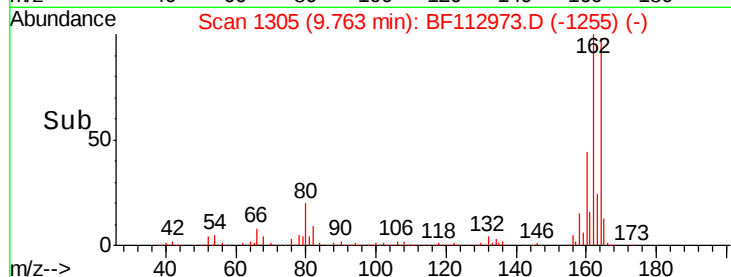
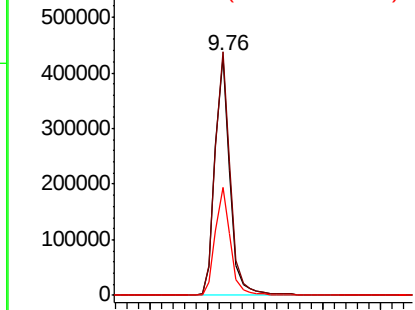
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-C

Tgt Ion:164 Resp: 384914
Ion Ratio Lower Upper
164 100
162 102.0 80.6 120.8
160 45.2 36.0 54.0

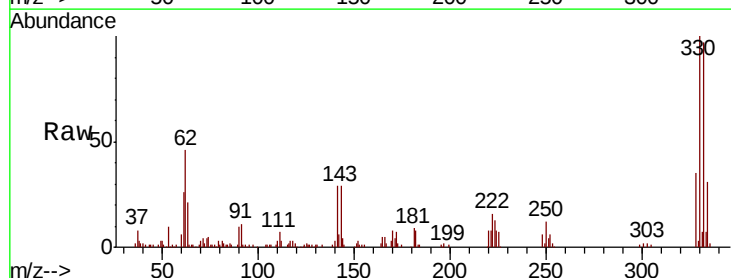


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

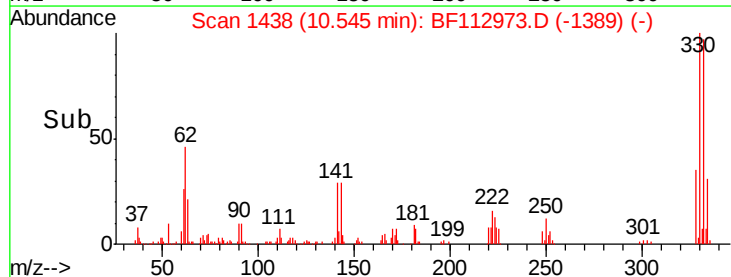
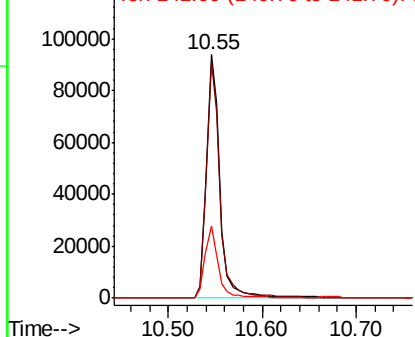


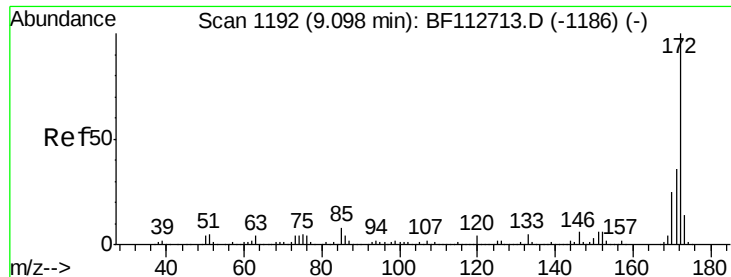
#42
2,4,6-Tribromophenol
Concen: 23.124 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Tgt Ion:330 Resp: 94493
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 29.3 27.0 40.6



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

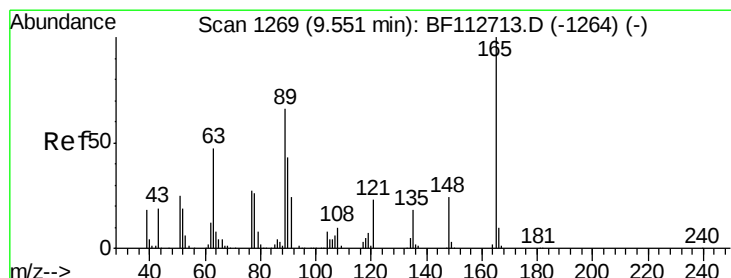
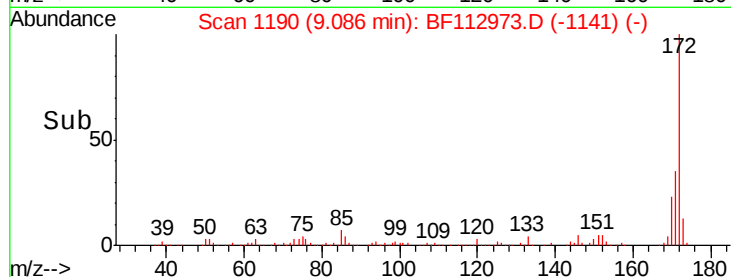
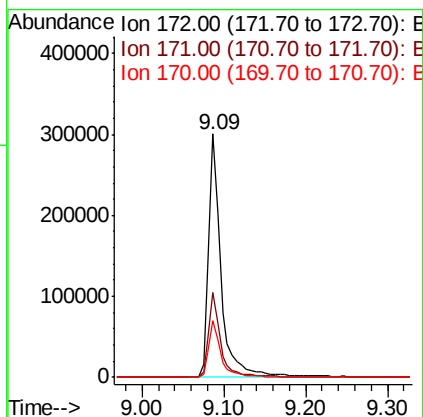
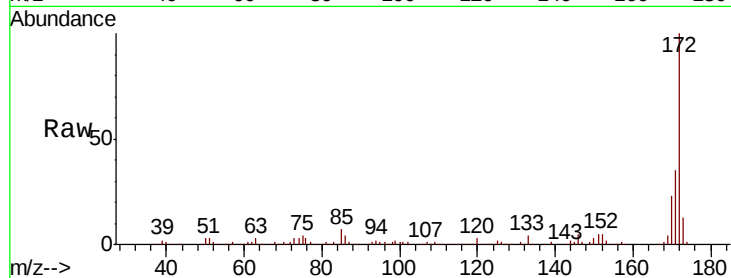




#45
 2-Fluorobiphenyl
 Concen: 10.065 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112973.D
 Acq: 11 Mar 2019 23:44

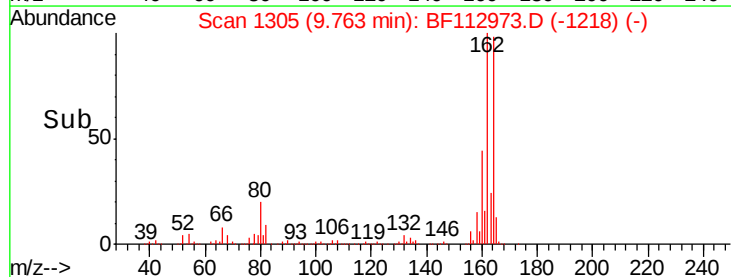
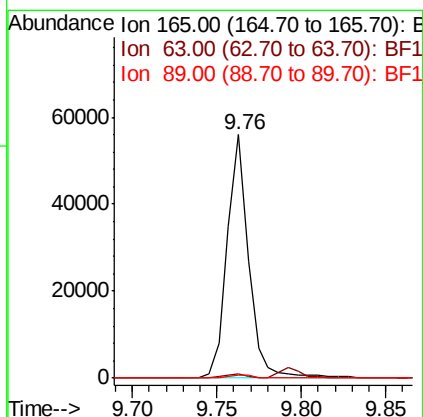
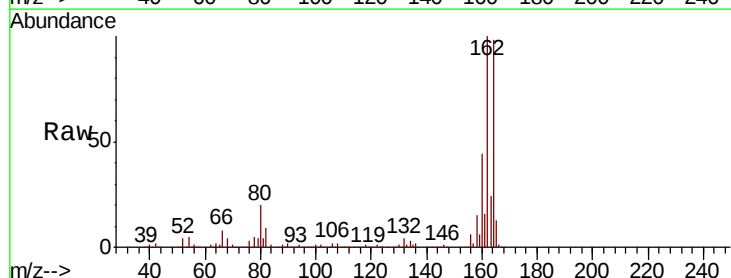
Instrument :
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 CL-02-030819-C

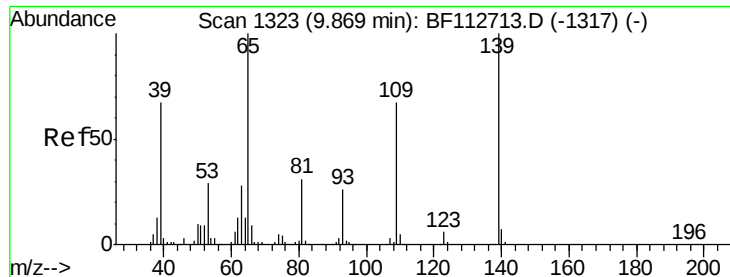
Tgt Ion:172 Resp: 322281
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.0 43.4
 170 23.4 20.0 30.0



#51
 2,6-Dinitrotoluene
 Concen: 8.456 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.21 min
 Lab File: BF112973.D
 Acq: 11 Mar 2019 23:44

Tgt Ion:165 Resp: 49976
 Ion Ratio Lower Upper
 165 100
 63 1.6 54.1 81.1#
 89 1.2 52.8 79.2#

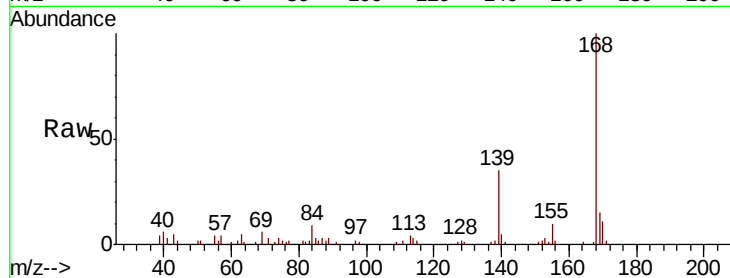




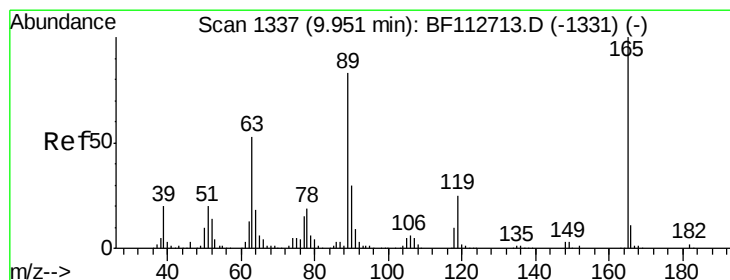
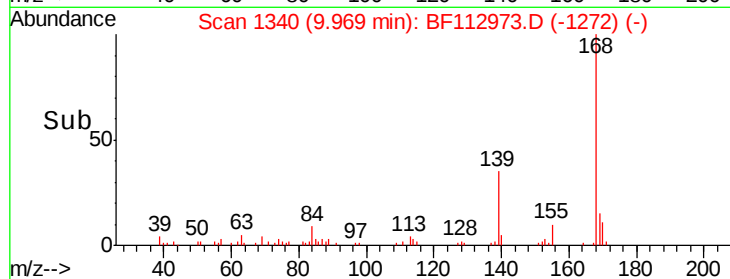
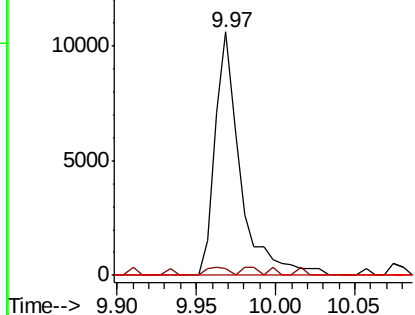
#56
4-Nitrophenol
Concen: 2.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.10 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-C

Tgt Ion:139 Resp: 11708
Ion Ratio Lower Upper
139 100
109 2.9 46.8 86.8#
65 0.0 80.7 120.7#

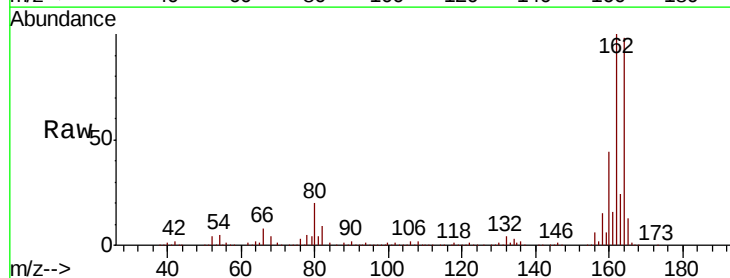


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

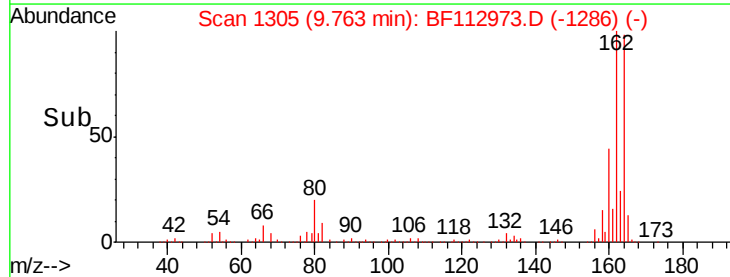
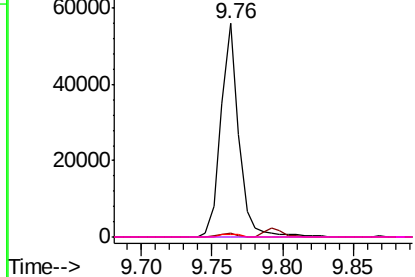


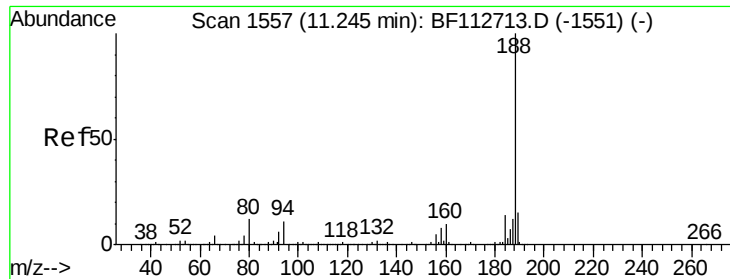
#57
2,4-Dinitrotoluene
Concen: 6.819 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Tgt Ion:165 Resp: 50098
Ion Ratio Lower Upper
165 100
63 1.6 42.2 63.2#
89 1.2 66.2 99.4#
182 0.0 1.8 2.6#



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

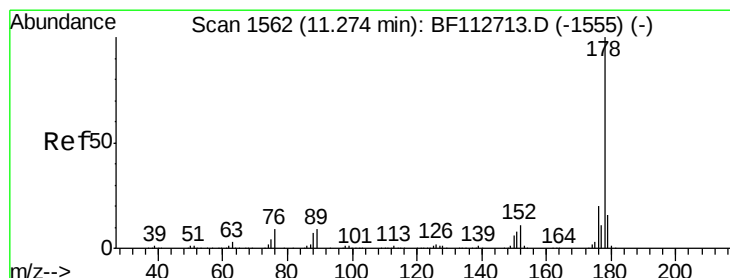
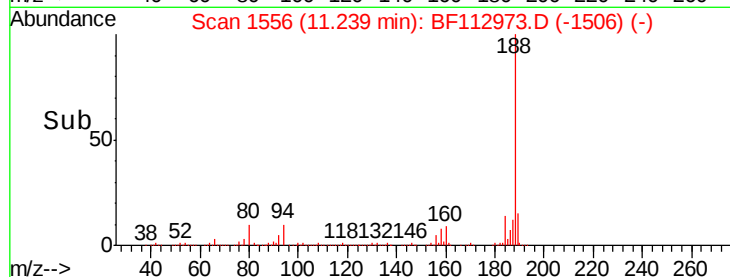
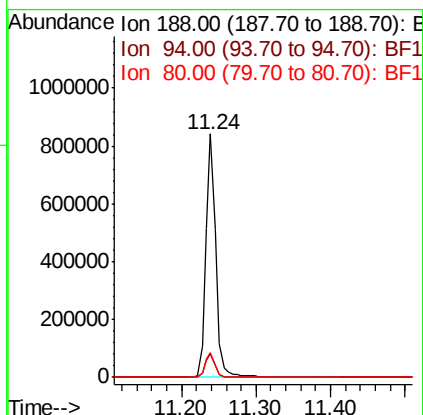
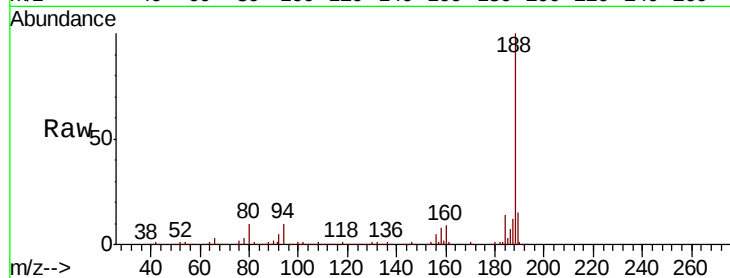




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

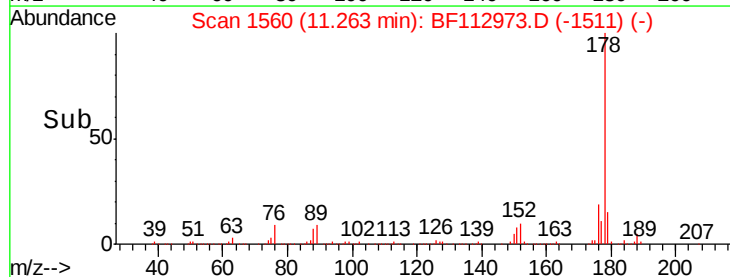
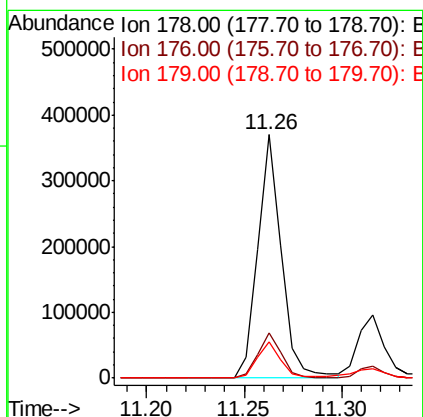
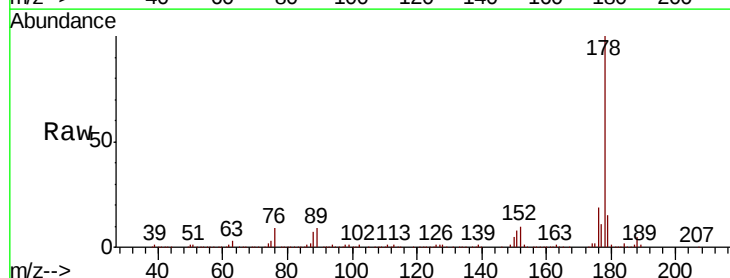
Instrument :
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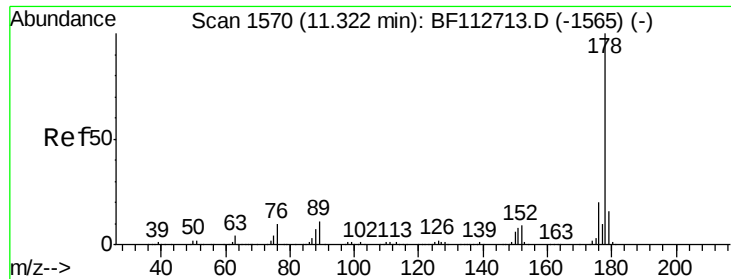
Tgt Ion:188 Resp: 783071
Ion Ratio Lower Upper
188 100
94 9.6 9.0 13.4
80 10.2 9.2 13.8



#71
Phenanthrene
Concen: 7.965 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Tgt Ion:178 Resp: 310330
Ion Ratio Lower Upper
178 100
176 18.7 16.3 24.5
179 14.8 12.7 19.1





#72

Anthracene

Concen: 2.313 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-C

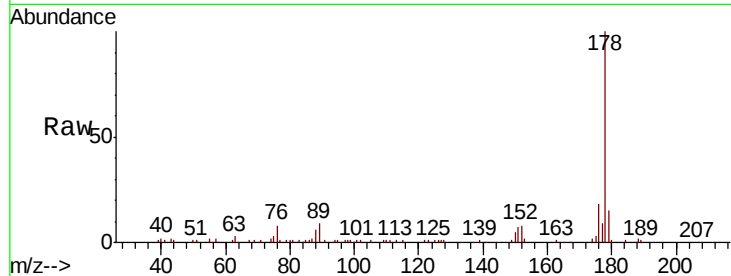
Tgt Ion:178 Resp: 94323

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.6

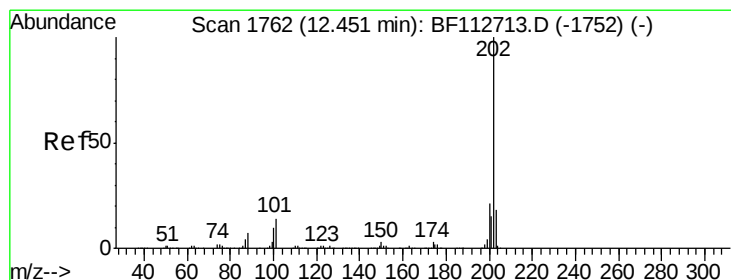
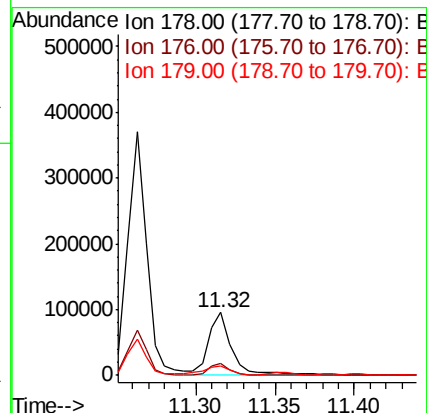
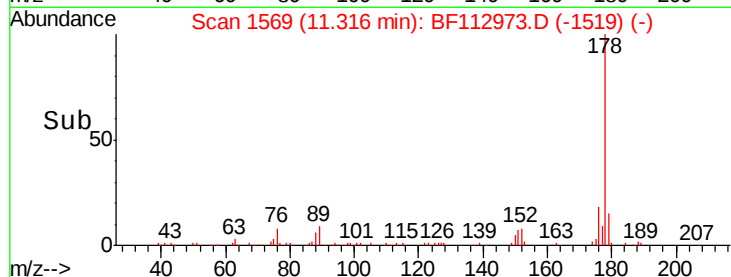
179 15.4 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.975 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112973.D

Acq: 11 Mar 2019 23:44

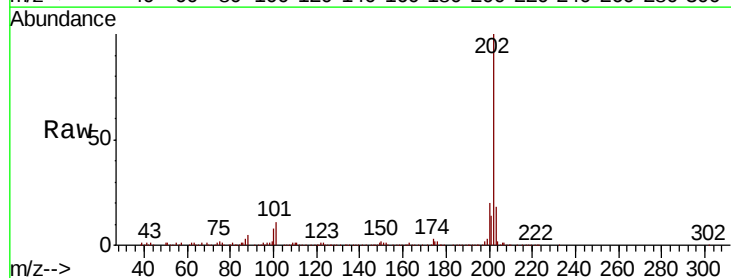
Tgt Ion:202 Resp: 291170

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.8

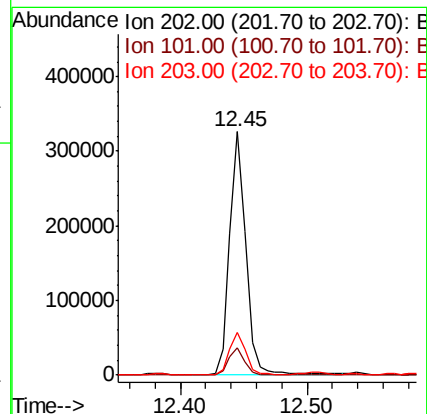
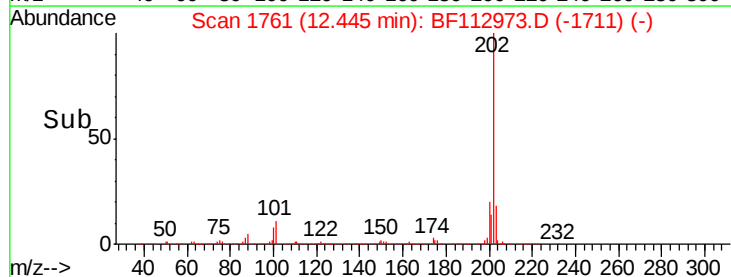
203 17.5 0.0 38.4

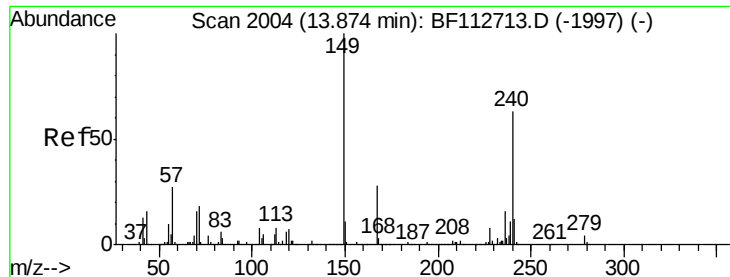


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

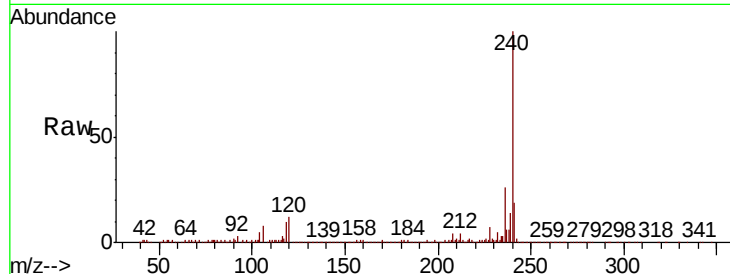




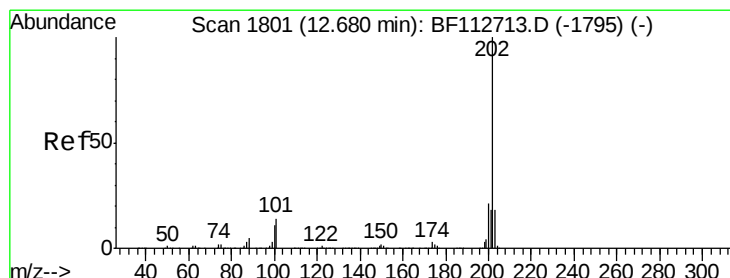
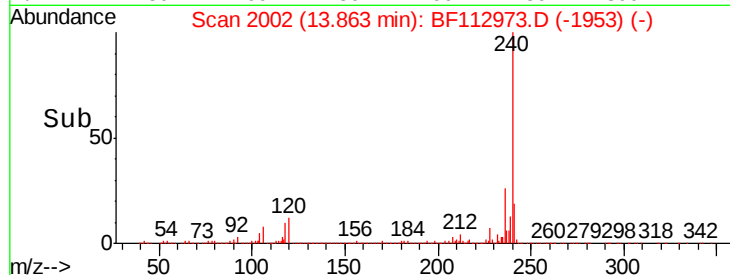
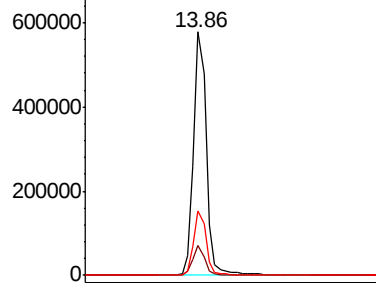
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Instrument :
BNA_F
ClientSampleId :
CL-02-030819-C

Tgt Ion:240 Resp: 551328
Ion Ratio Lower Upper
240 100
120 12.1 8.9 13.3
236 26.5 20.7 31.1

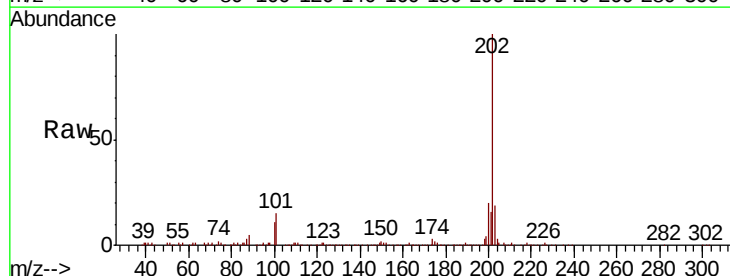


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

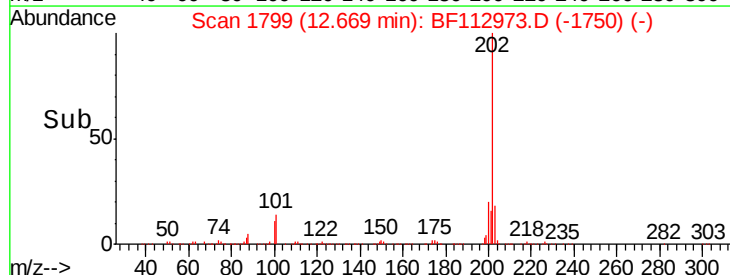
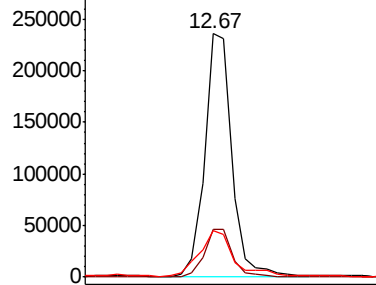


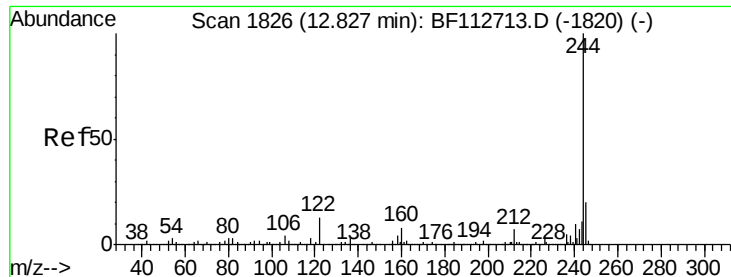
#78
Pyrene
Concen: 5.238 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Tgt Ion:202 Resp: 243434
Ion Ratio Lower Upper
202 100
200 19.7 17.0 25.4
203 18.9 14.4 21.6



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

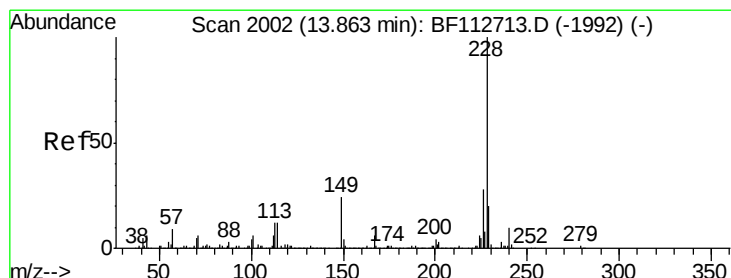
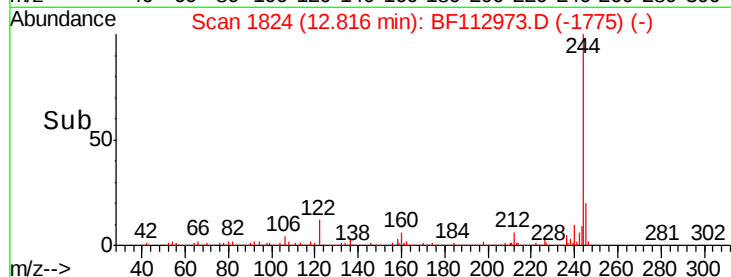
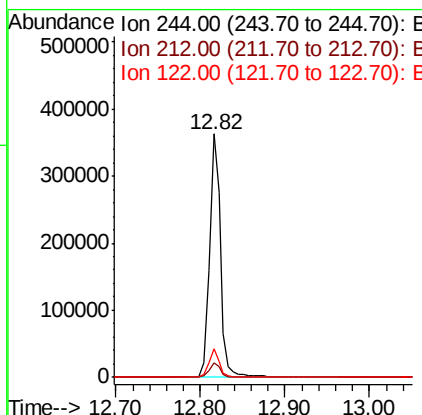
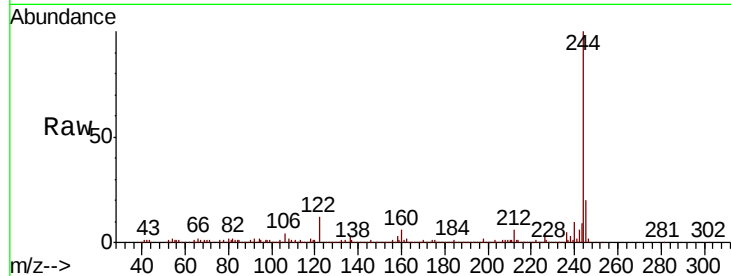




#79
 Terphenyl-d14
 Concen: 11.630 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112973.D
 Acq: 11 Mar 2019 23:44

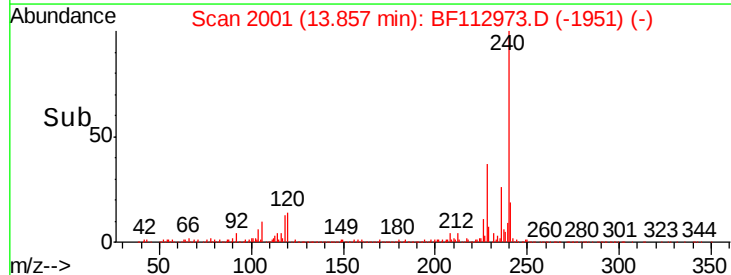
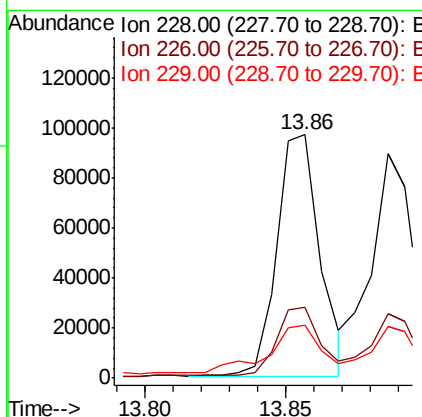
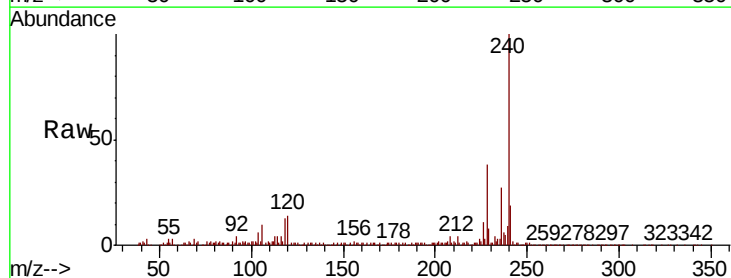
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-C

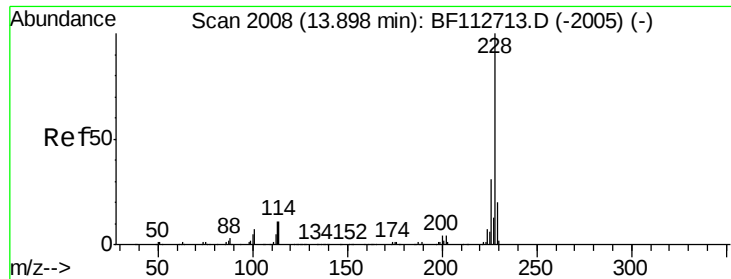
Tgt Ion:244 Resp: 330756
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.6 8.4
 122 11.7 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 2.671 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF112973.D
 Acq: 11 Mar 2019 23:44

Tgt Ion:228 Resp: 102071
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.2 33.4
 229 21.6 16.0 24.0

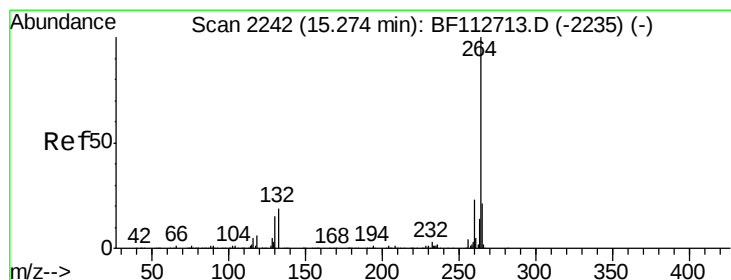
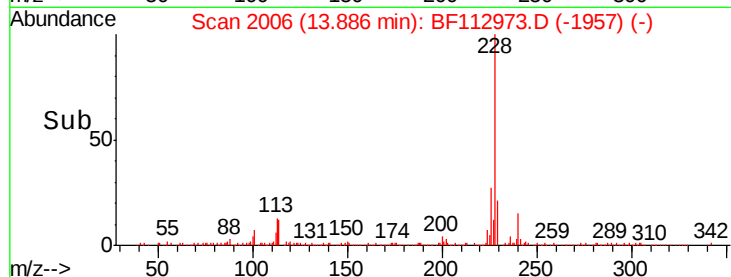
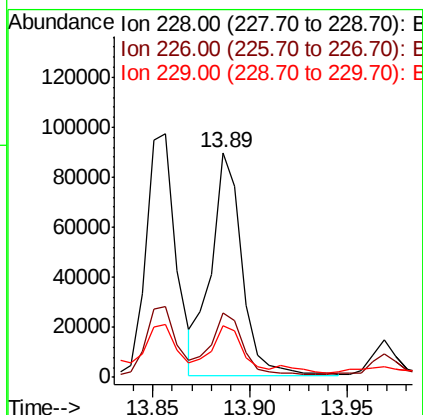
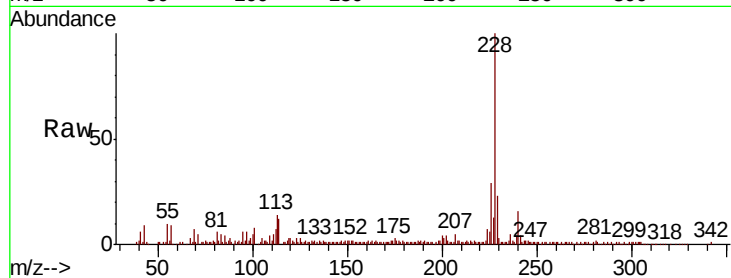




#83
Chrysene
Concen: 2.622 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

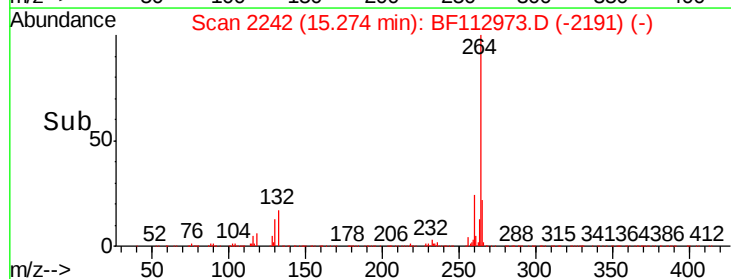
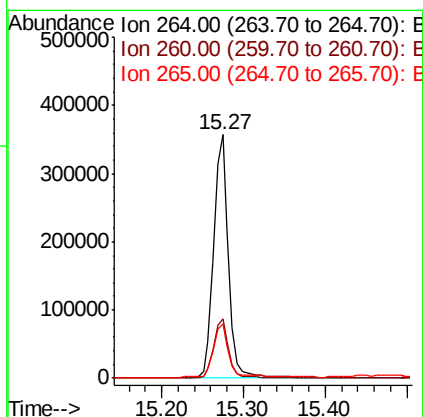
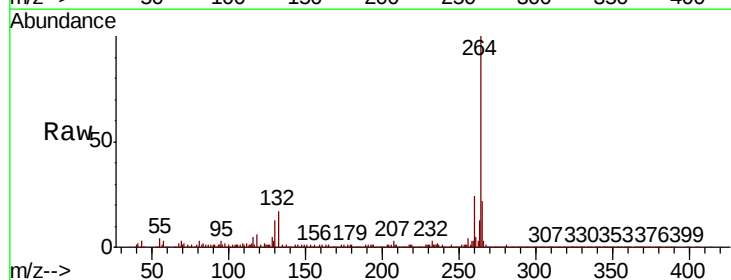
Instrument :
BNA_F
ClientSampleId :
CL-02-030819-C

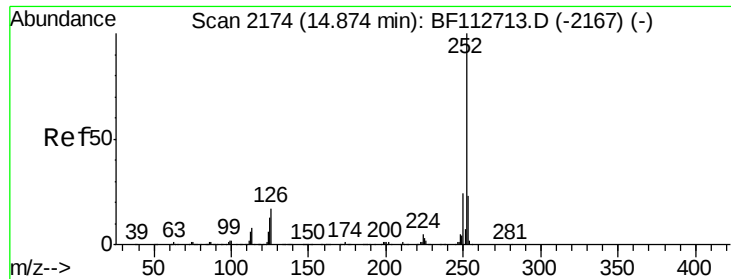
Tgt Ion:228 Resp: 98132
Ion Ratio Lower Upper
228 100
226 28.7 24.9 37.3
229 23.1 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Tgt Ion:264 Resp: 444186
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 22.1 17.2 25.8

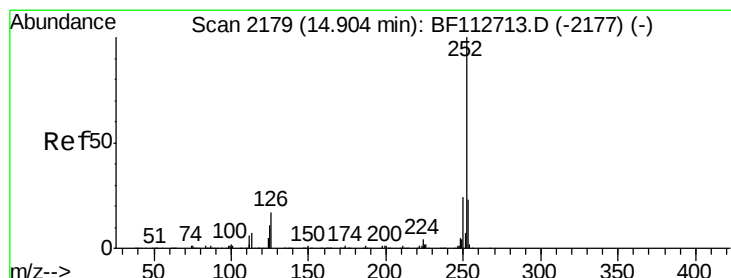
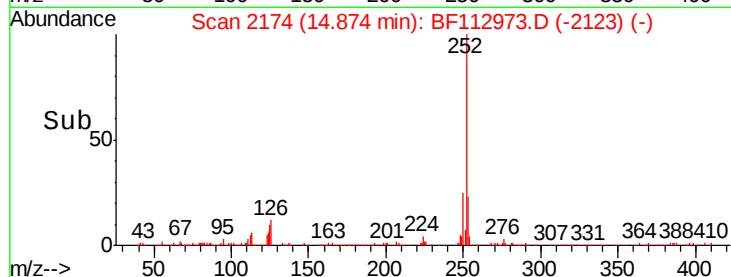
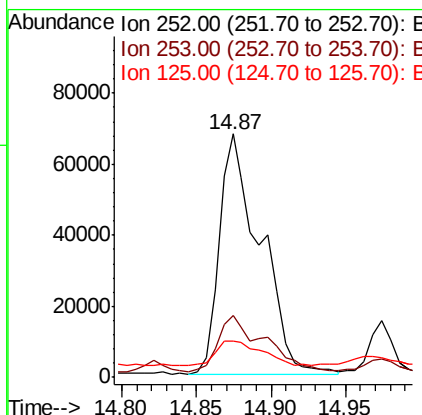
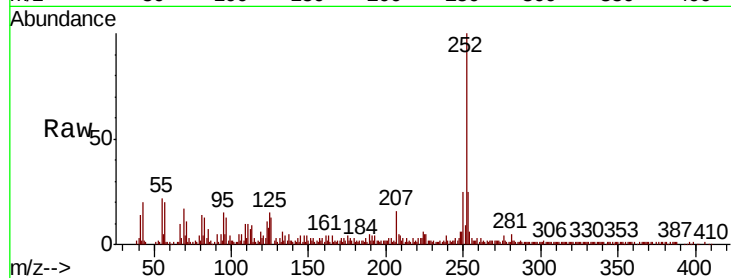




#88
Benzo(b)fluoranthene
Concen: 4.489 ng
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

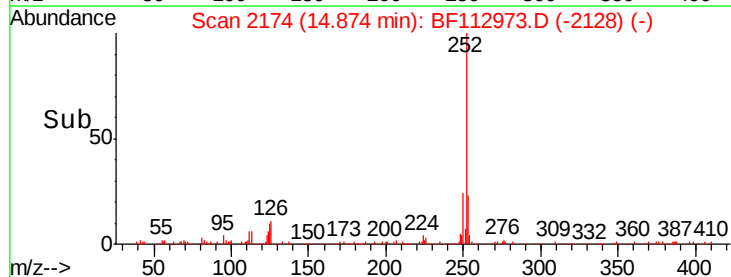
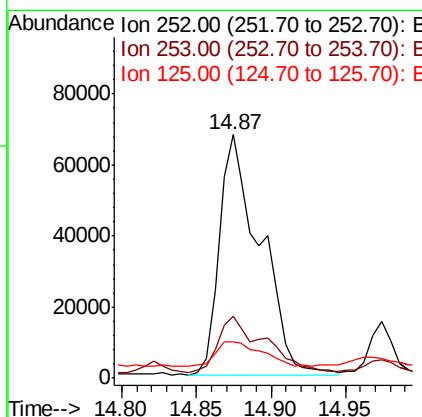
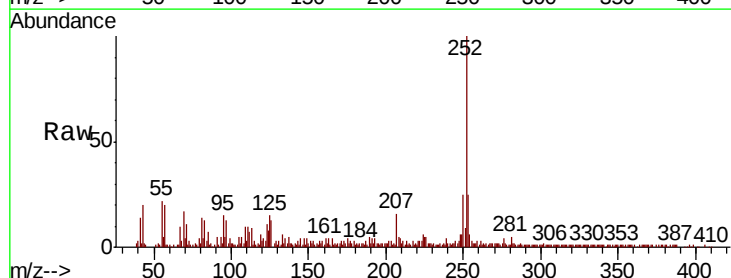
Instrument :
BNA_F
ClientSampleId :
CL-02-030819-C

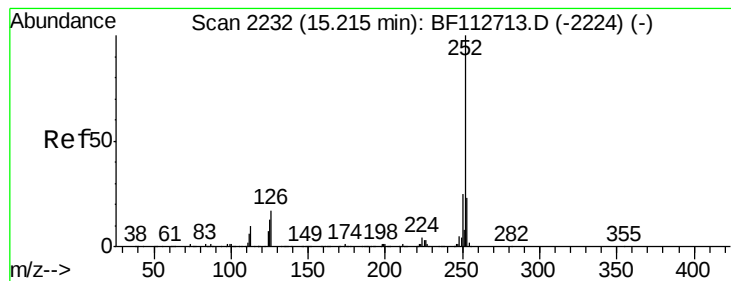
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	14.8	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 4.955 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF112973.D
Acq: 11 Mar 2019 23:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.2	27.2
125	14.8	9.8	14.6#





#90

Benzo(a)pyrene

Concen: 2.608 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF112973.D

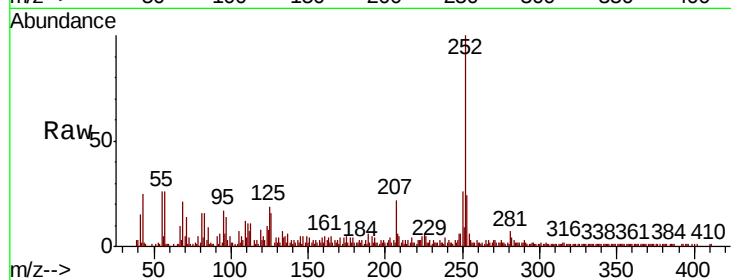
Acq: 11 Mar 2019 23:44

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-C



Tgt Ion:	252	Resp:	66283
Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	18.8	10.7	16.1

