

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
 Data File : BF112972.D
 Acq On : 11 Mar 2019 23:17
 Operator : JU/SJ
 Sample : K1691-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Mar 12 04:43:13 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

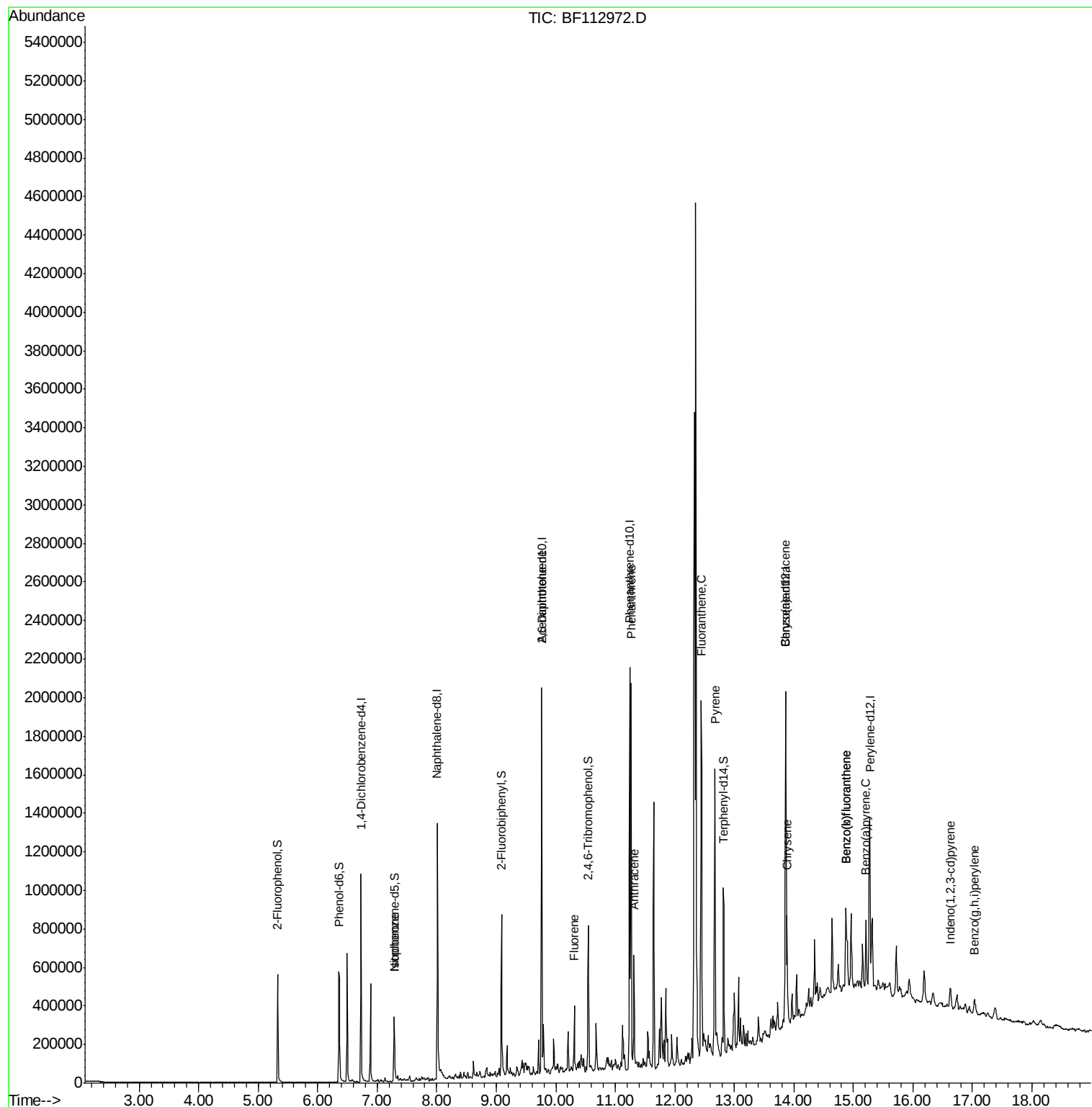
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	164970	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	633809	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	385819	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	799425	20.00	ng	0.00
76) Chrysene-d12	13.86	240	539371	20.00	ng	-0.01
87) Perylene-d12	15.27	264	469377	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	162307	15.30	ng	-0.02
7) Phenol-d6	6.36	99	231521	17.38	ng	-0.01
23) Nitrobenzene-d5	7.29	82	126988	11.99	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	93633	22.86	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	301714	9.28	ng	-0.01
79) Terphenyl-d14	12.82	244	316425	11.37	ng	-0.01
Target Compounds						
25) Isophorone	7.29	82	124586	5.460	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	51651	8.719	ng	# 19
58) Fluorene	10.31	166	104287	4.144	ng	99
71) Phenanthrene	11.26	178	708204	17.805	ng	99
72) Anthracene	11.32	178	267088	6.415	ng	97
75) Fluoranthene	12.45	202	763099	17.907	ng	98
78) Pyrene	12.67	202	614763	13.520	ng	99
81) Benzo(a)anthracene	13.86	228	261665	7.000	ng	99
83) Chrysene	13.89	228	227388	6.210	ng	95
86) Indeno(1,2,3-cd)pyrene	16.63	276	76750	2.459	ng	# 92
88) Benzo(b)fluoranthene	14.87	252	334616	11.021	ng	98
89) Benzo(k)fluoranthene	14.87	252	334616	12.168	ng	98
90) Benzo(a)pyrene	15.21	252	176818	6.584	ng	99
92) Benzo(g,h,i)perylene	17.04	276	67192	2.920	ng	100

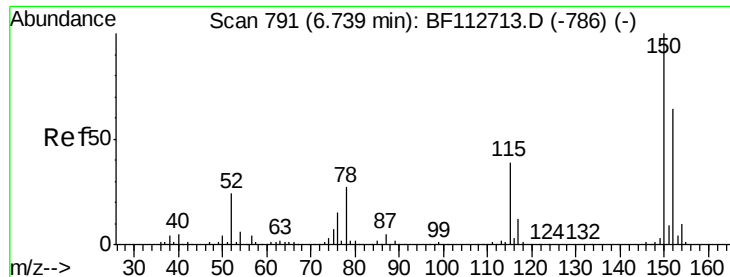
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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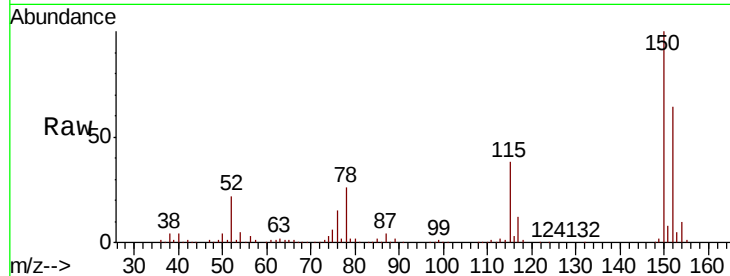


#1

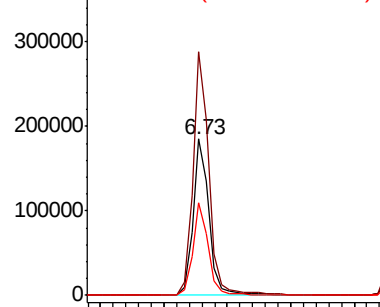
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

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

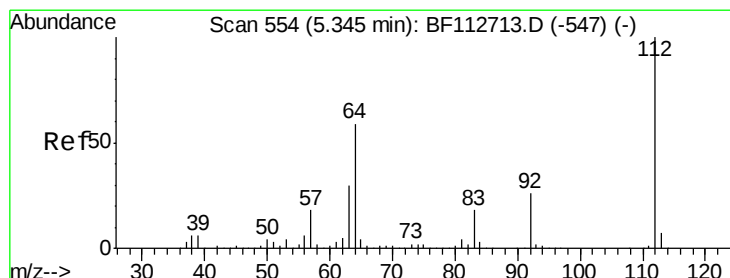
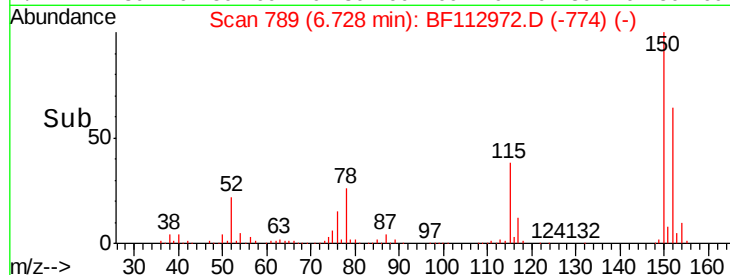
Tgt Ion:152 Resp: 164970
Ion Ratio Lower Upper
152 100
150 155.5 124.2 186.2
115 59.2 48.2 72.4



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



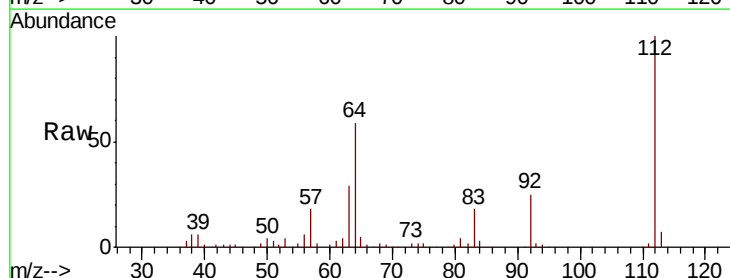
Time--> 6.65 6.70 6.75 6.80 6.85



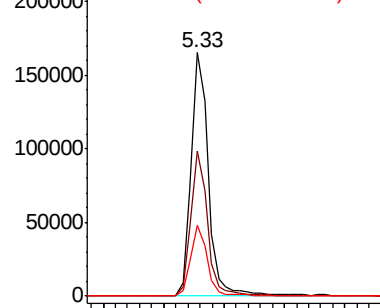
#5

2-Fluorophenol
Concen: 15.304 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

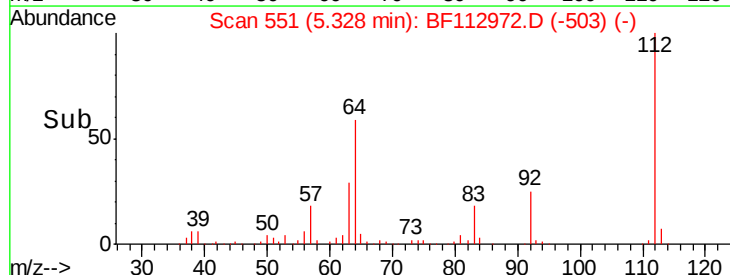
Tgt Ion:112 Resp: 162307
Ion Ratio Lower Upper
112 100
64 59.5 47.6 71.4
63 29.0 24.4 36.6



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--> 5.25 5.30 5.35 5.40 5.45





#7

Phenol-d6

Concen: 17.379 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-B

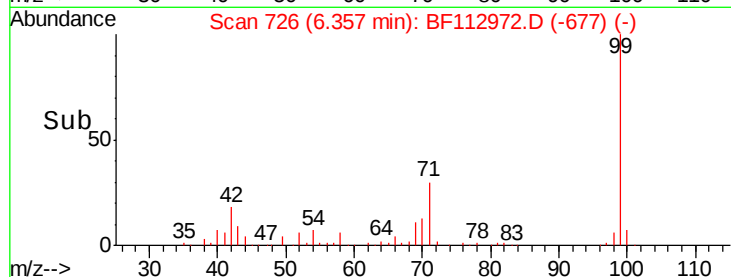
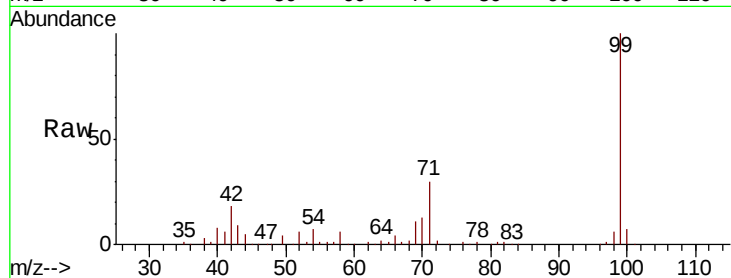
Tgt Ion: 99 Resp: 231521

Ion Ratio Lower Upper

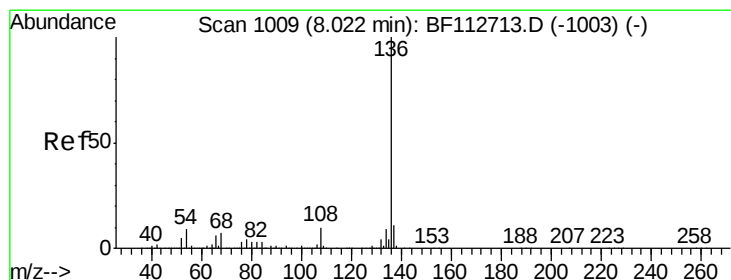
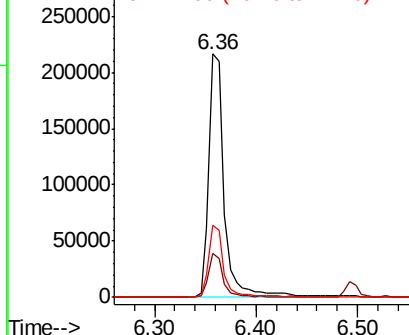
99 100

42 18.0 16.3 24.5

71 29.9 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: BF112972.D

Acq: 11 Mar 2019 23:17

Tgt Ion: 136 Resp: 633809

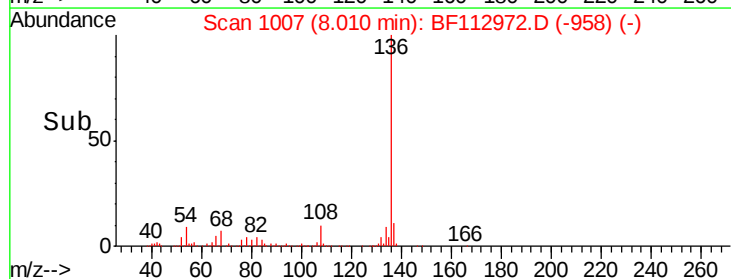
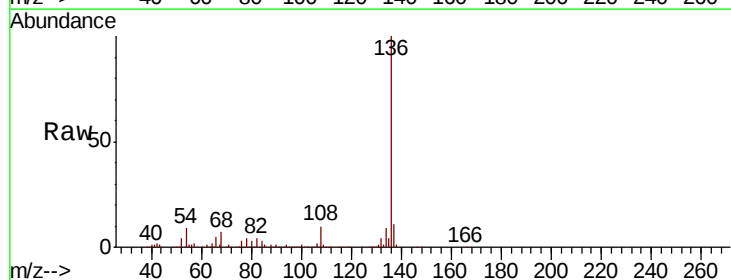
Ion Ratio Lower Upper

136 100

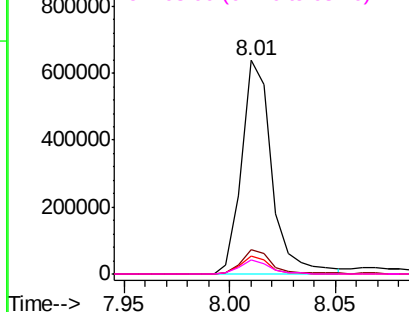
137 11.3 8.9 13.3

54 8.6 7.3 10.9

68 6.8 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

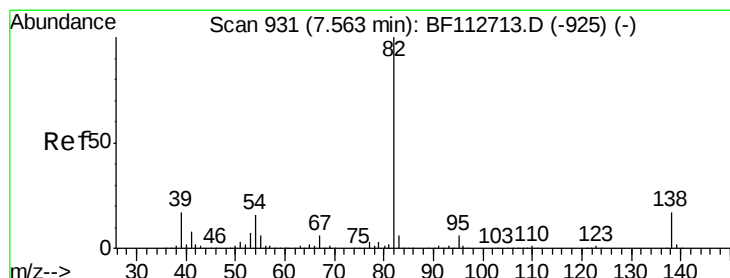
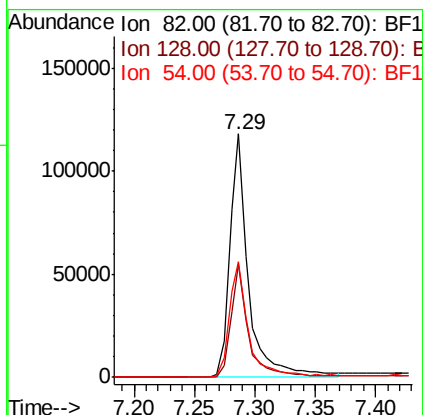
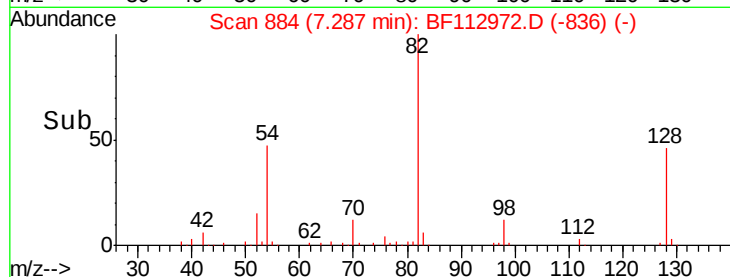
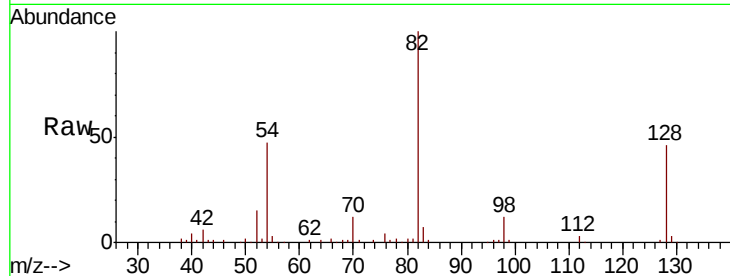




#23
Nitrobenzene-d5
Concen: 11.989 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

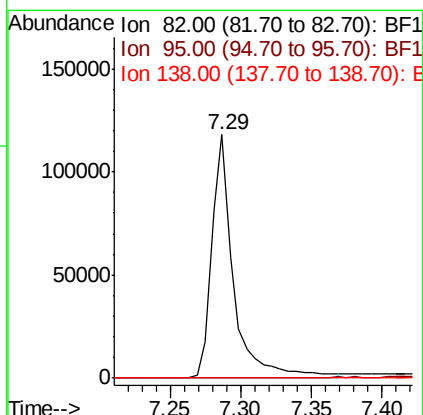
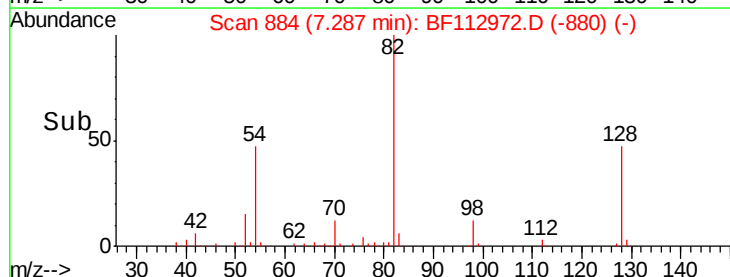
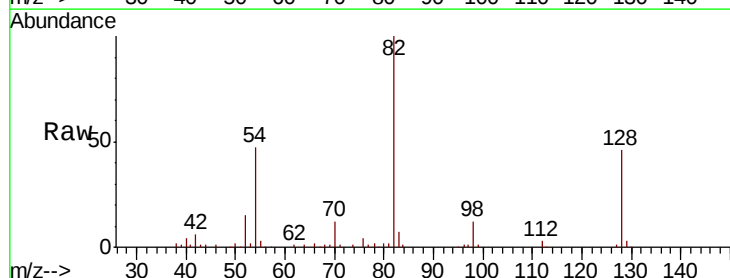
Instrument :
BNA_F
ClientSampleId :
CL-02-030819-B

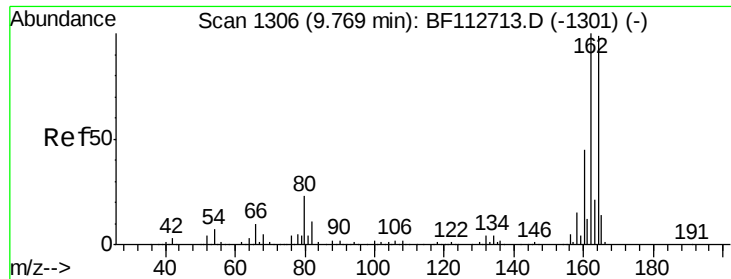
Tgt Ion: 82 Resp: 126988
Ion Ratio Lower Upper
82 100
128 46.4 36.3 54.5
54 47.4 43.7 65.5



#25
Isophorone
Concen: 5.460 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Tgt Ion: 82 Resp: 124586
Ion Ratio Lower Upper
82 100
95 0.3 5.2 7.8#
138 0.0 13.8 20.8#

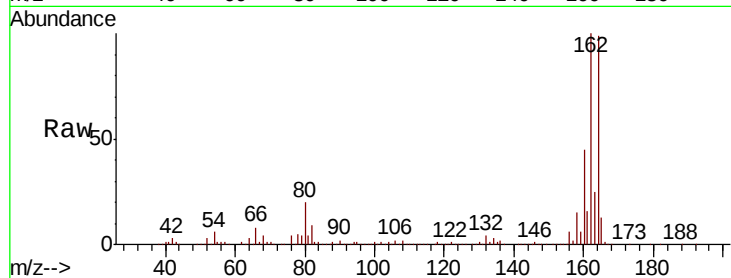




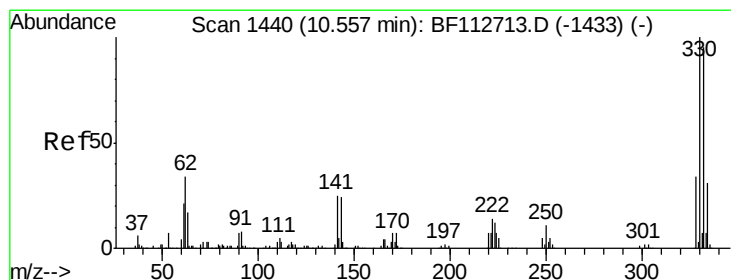
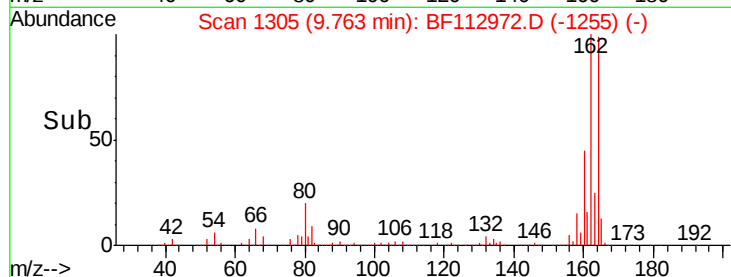
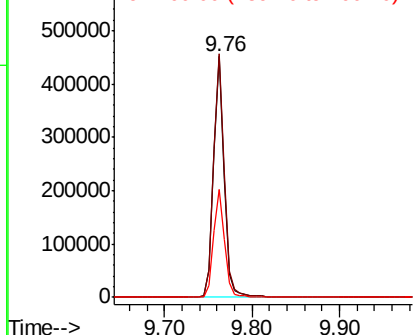
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

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

Tgt Ion:164 Resp: 385819
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 45.1 36.0 54.0

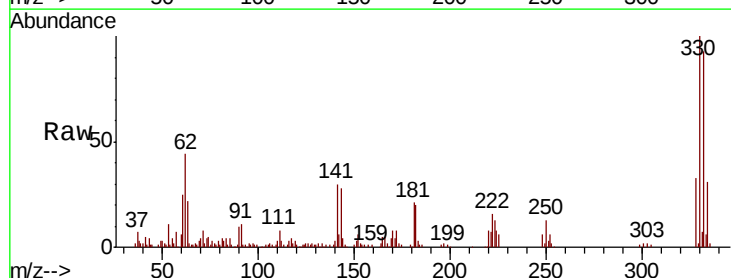


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

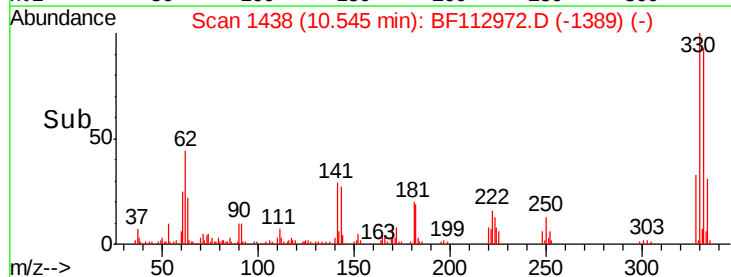
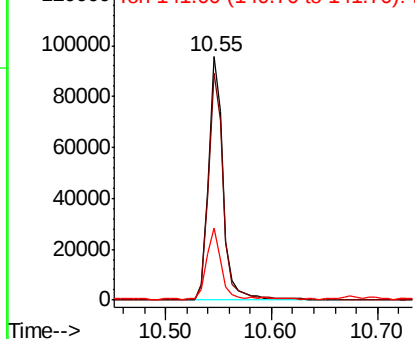


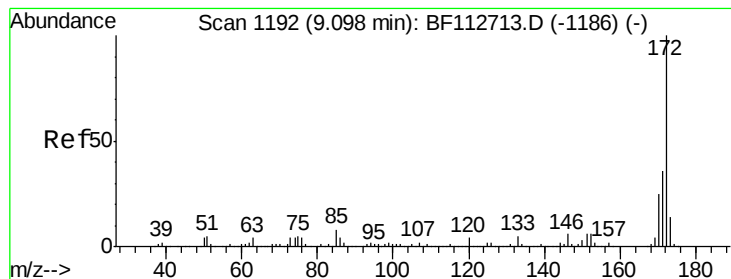
#42
2,4,6-Tribromophenol
Concen: 22.860 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Tgt Ion:330 Resp: 93633
Ion Ratio Lower Upper
330 100
332 94.5 76.2 114.4
141 29.0 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: 9.279 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-B

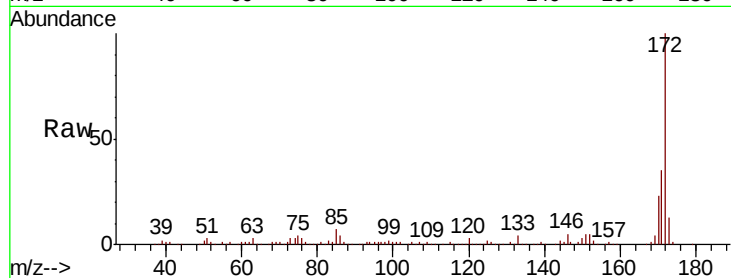
Tgt Ion:172 Resp: 301714

Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.4

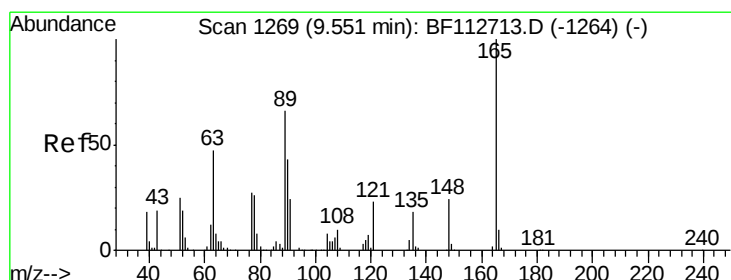
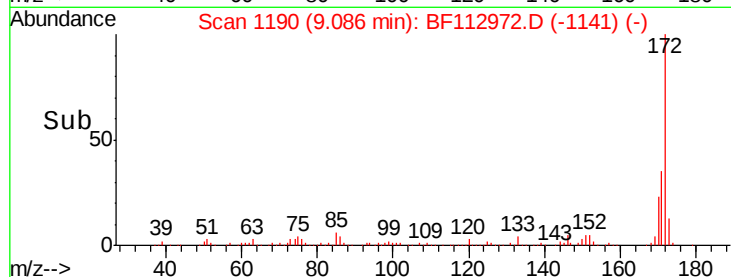
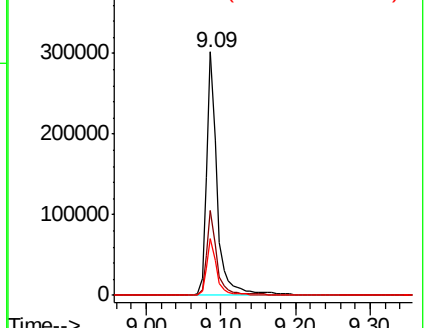
170 23.3 20.0 30.0



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: 8.719 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

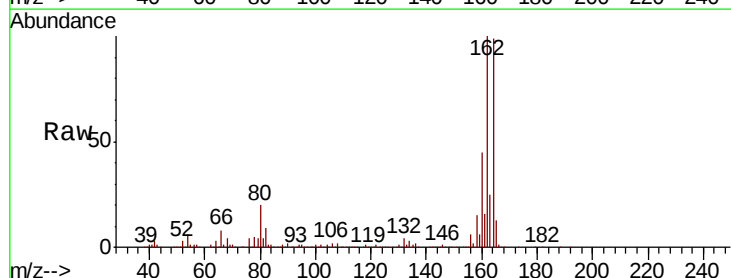
Tgt Ion:165 Resp: 51651

Ion Ratio Lower Upper

165 100

63 1.7 54.1 81.1#

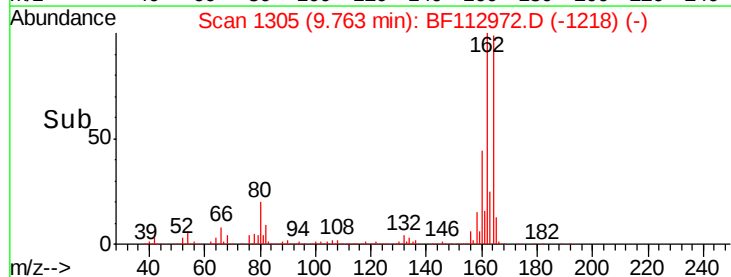
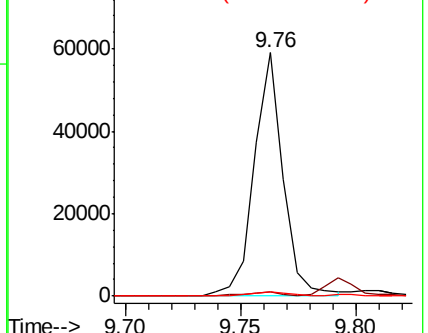
89 1.5 52.8 79.2#

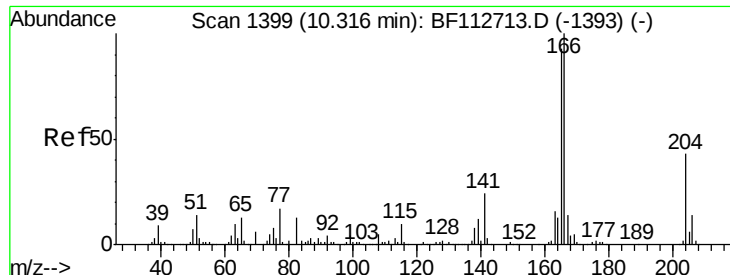


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#58

Fluorene

Concen: 4.144 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

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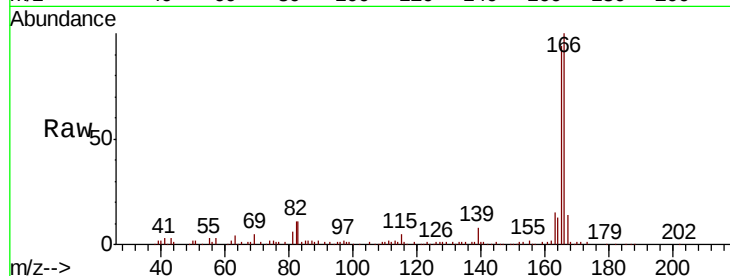
Tgt Ion:166 Resp: 104287

Ion Ratio Lower Upper

166 100

165 94.3 74.7 112.1

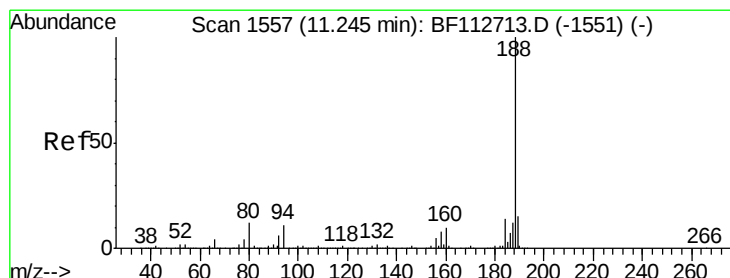
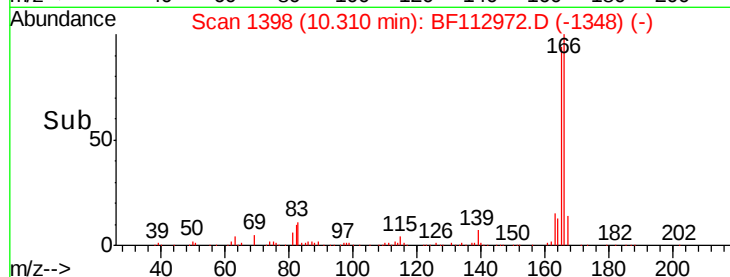
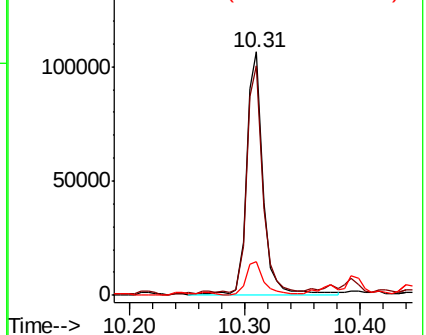
167 13.7 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

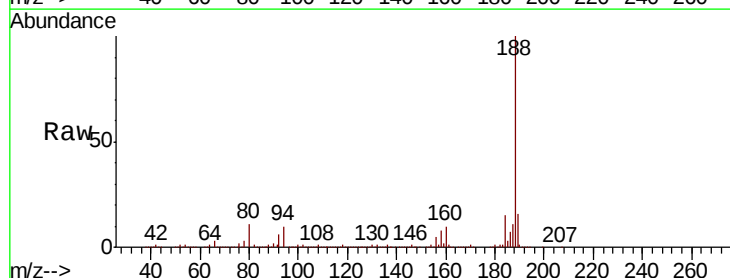
Tgt Ion:188 Resp: 799425

Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.4

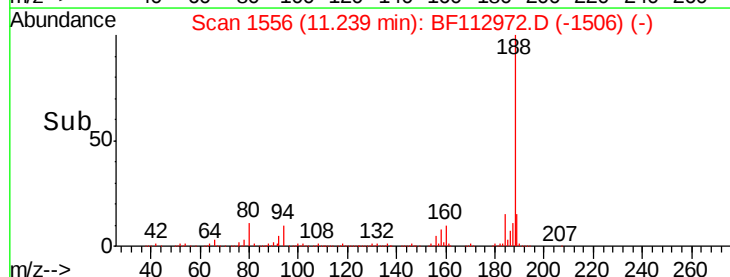
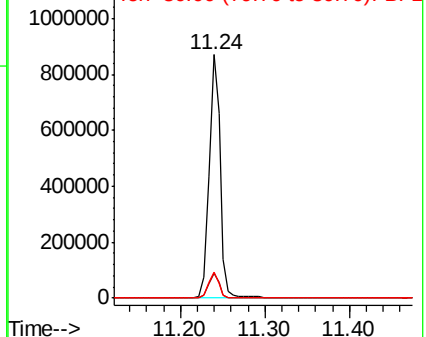
80 10.6 9.2 13.8

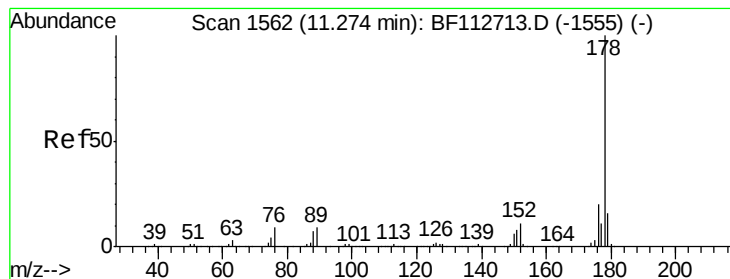


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 17.805 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

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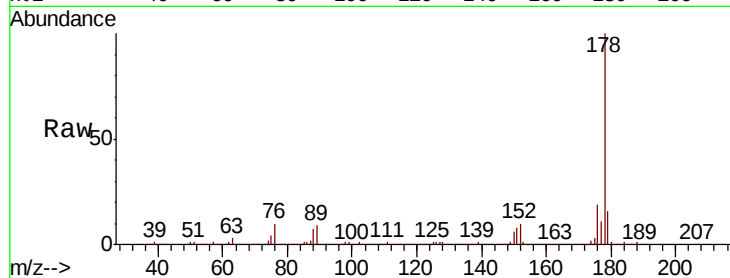
Tgt Ion:178 Resp: 708204

Ion Ratio Lower Upper

178 100

176 19.5 16.3 24.5

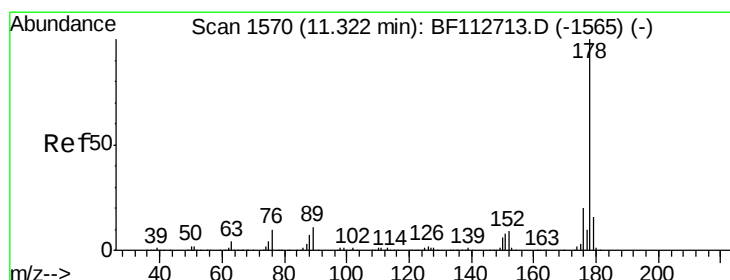
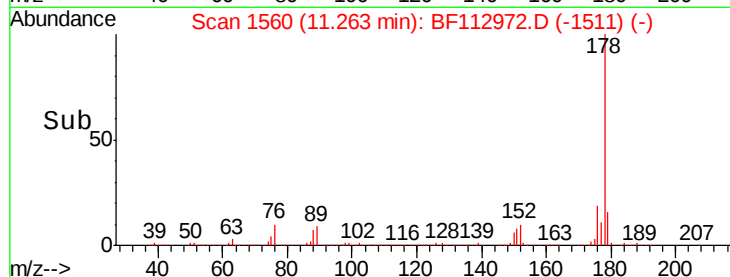
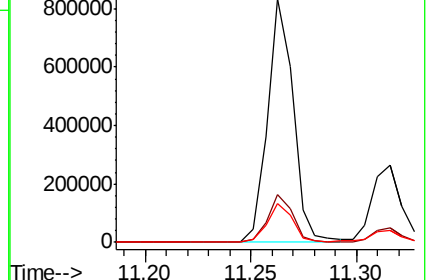
179 15.7 12.7 19.1



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



#72

Anthracene

Concen: 6.415 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

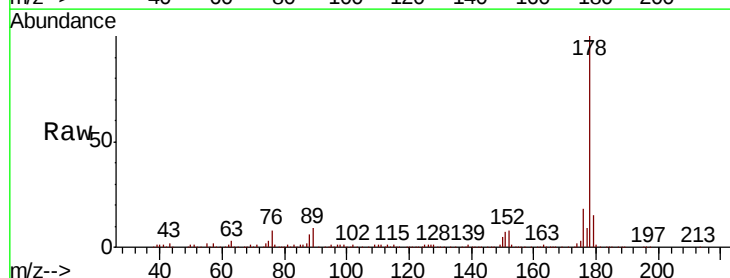
Tgt Ion:178 Resp: 267088

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.6

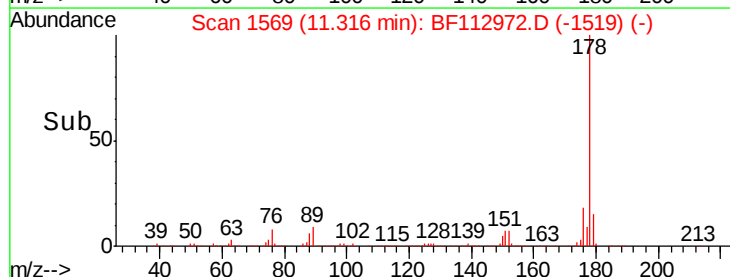
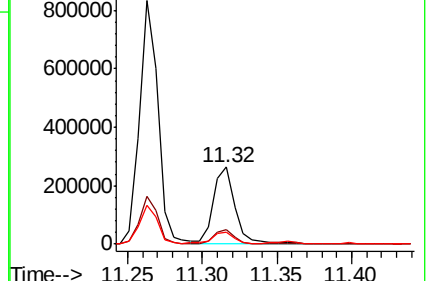
179 15.4 13.0 19.6

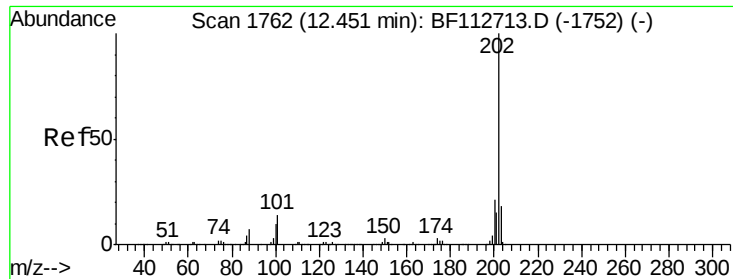


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 17.907 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-B

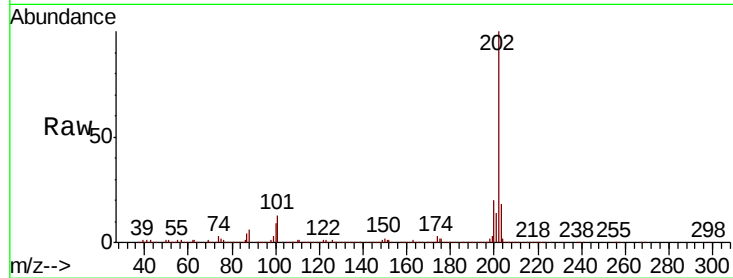
Tgt Ion:202 Resp: 763099

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.8

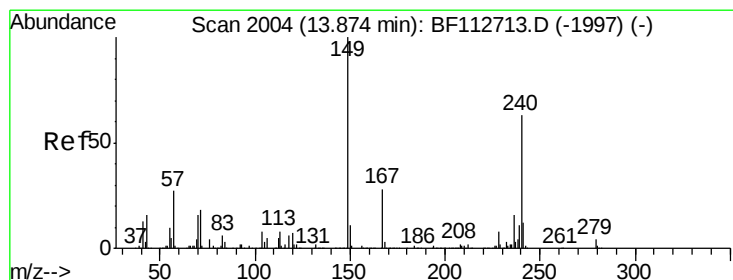
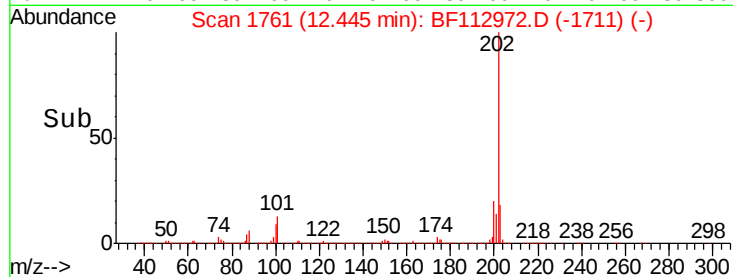
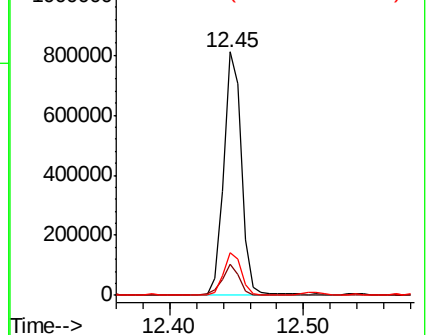
203 17.7 0.0 38.4



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: BF112972.D

Acq: 11 Mar 2019 23:17

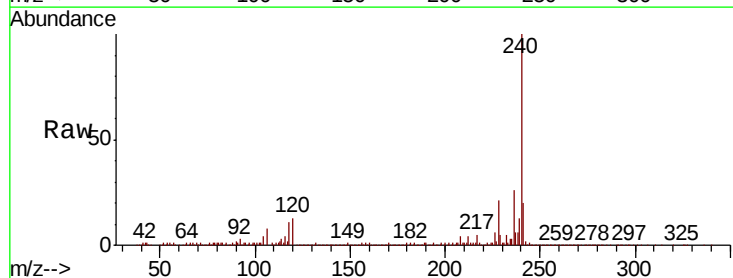
Tgt Ion:240 Resp: 539371

Ion Ratio Lower Upper

240 100

120 12.5 8.9 13.3

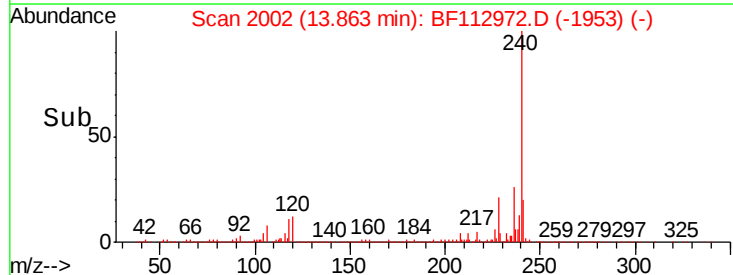
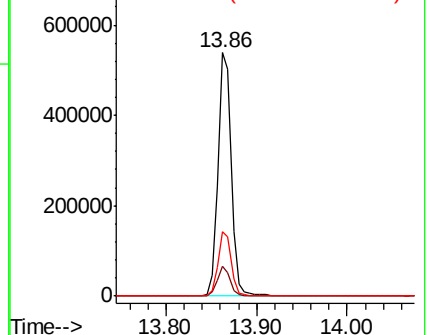
236 26.3 20.7 31.1

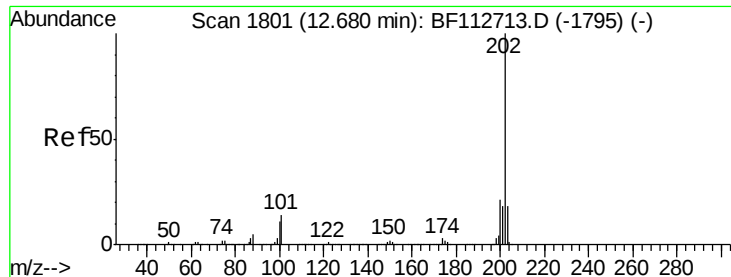


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

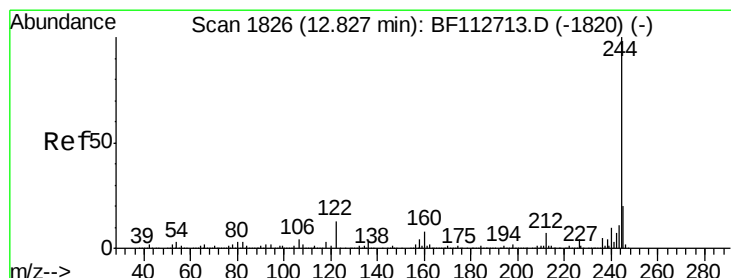
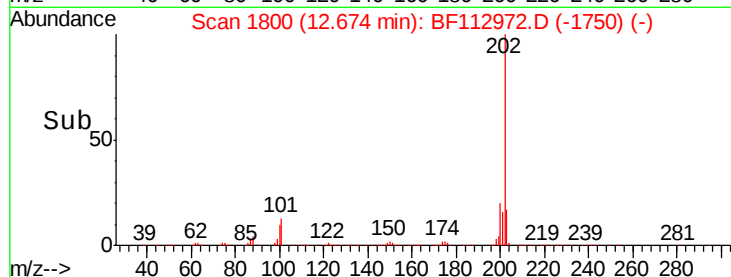
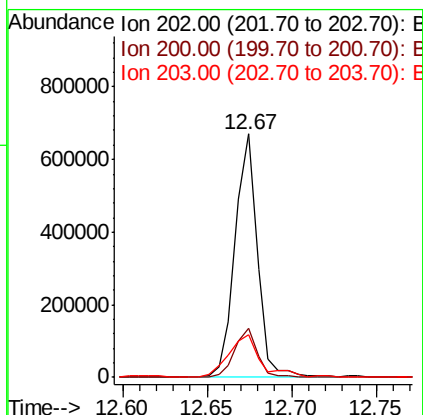
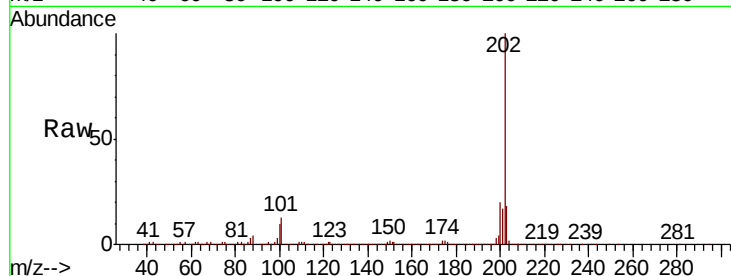




#78
 Pyrene
 Concen: 13.520 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BF112972.D
 Acq: 11 Mar 2019 23:17

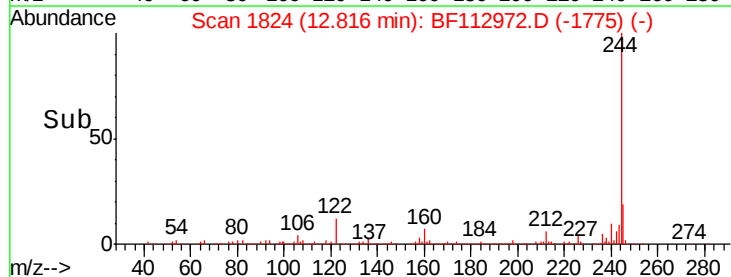
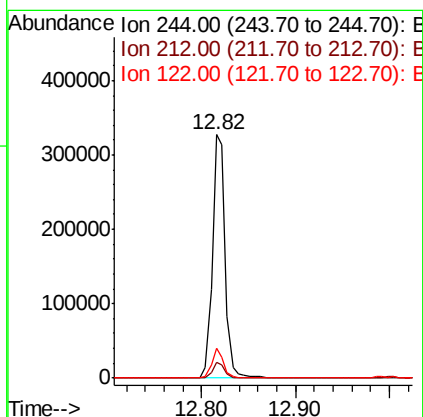
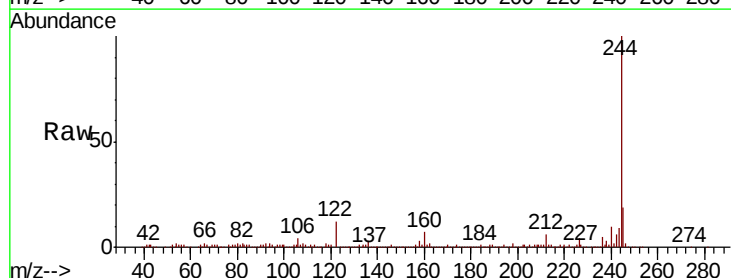
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-B

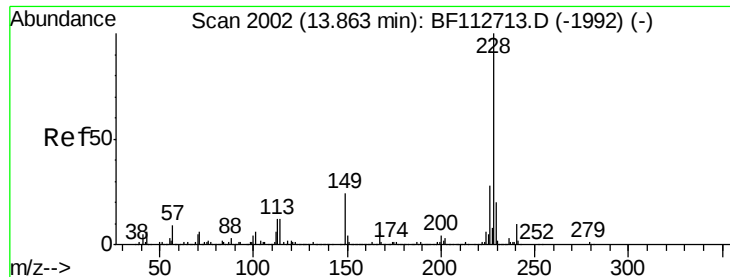
Tgt Ion: 202 Resp: 614763
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.0 25.4
 203 17.7 14.4 21.6



#79
 Terphenyl-d14
 Concen: 11.372 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112972.D
 Acq: 11 Mar 2019 23:17

Tgt Ion: 244 Resp: 316425
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 12.4 10.5 15.7

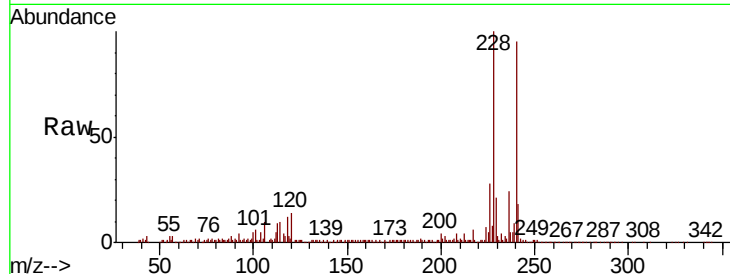




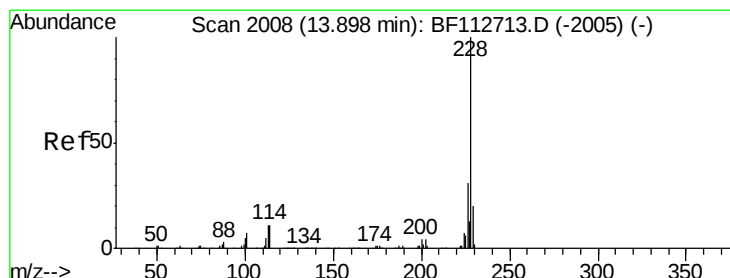
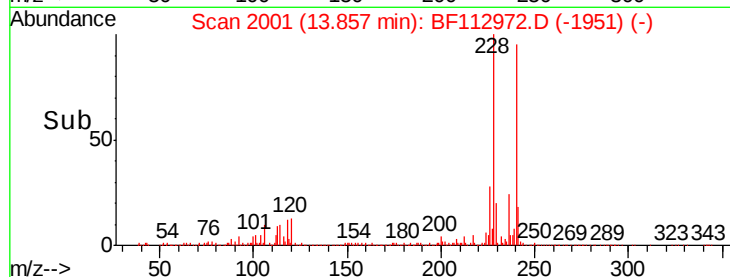
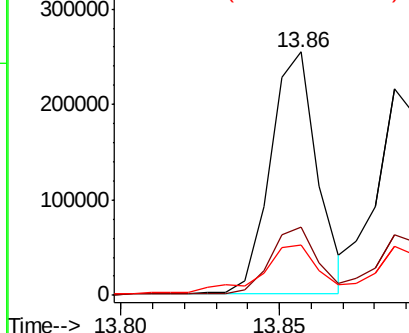
#81
Benzo(a)anthracene
Concen: 7.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

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

Tgt Ion:228 Resp: 261665
Ion Ratio Lower Upper
228 100
226 28.0 22.2 33.4
229 20.9 16.0 24.0

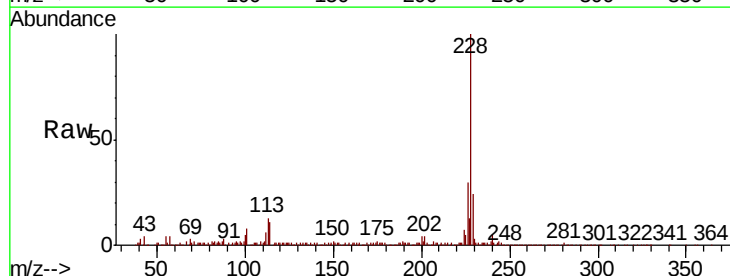


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

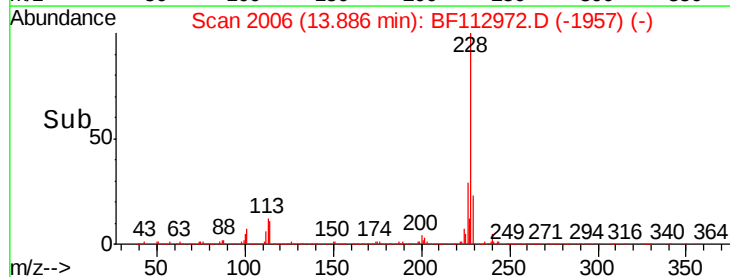
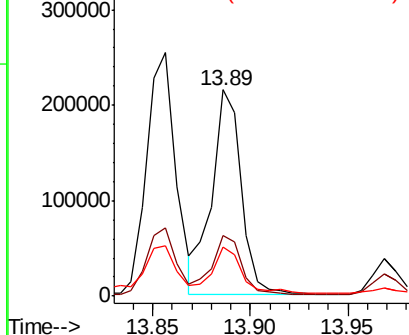


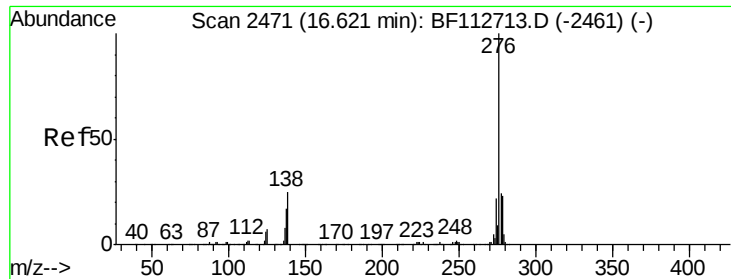
#83
Chrysene
Concen: 6.210 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Tgt Ion:228 Resp: 227388
Ion Ratio Lower Upper
228 100
226 29.5 24.9 37.3
229 23.9 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

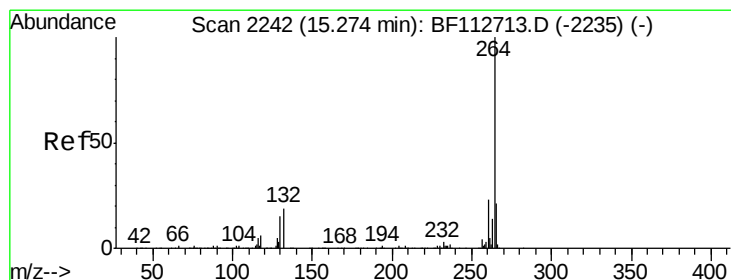
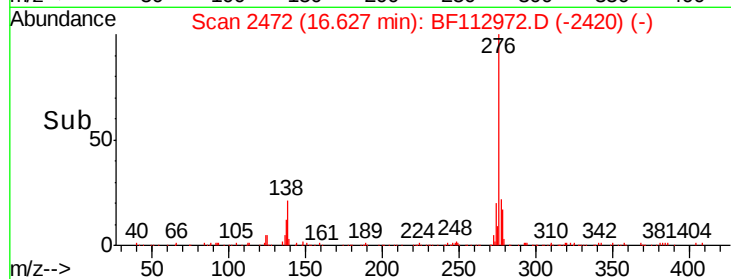
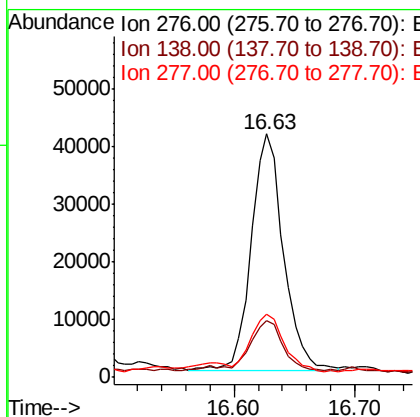
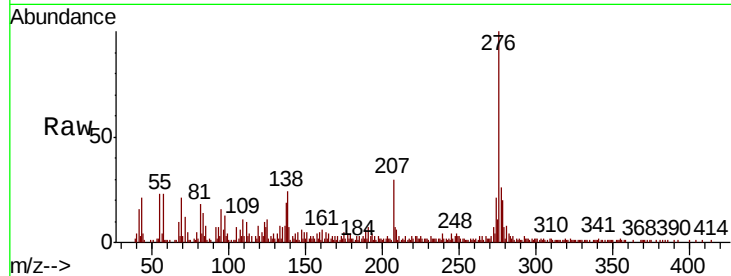




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.459 ng
 RT: 16.63 min Scan# 2472
 Delta R.T. 0.01 min
 Lab File: BF112972.D
 Acq: 11 Mar 2019 23:17

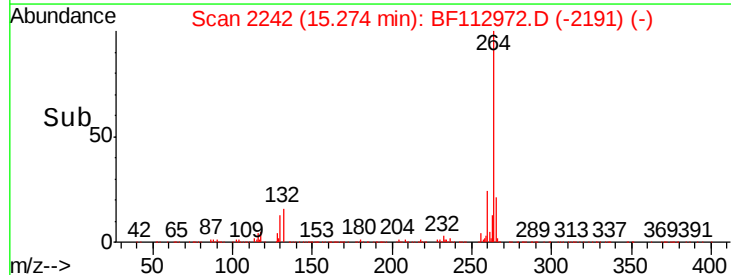
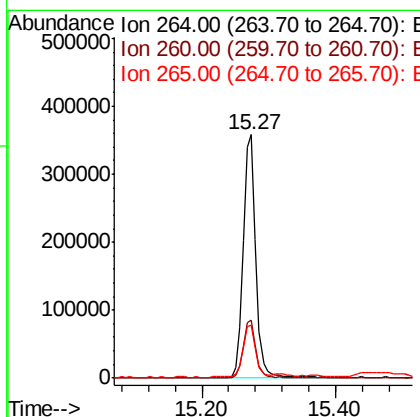
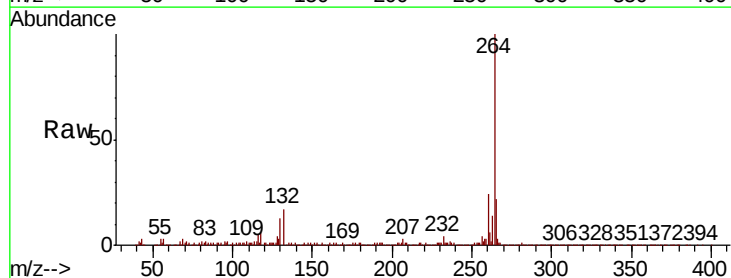
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-030819-B

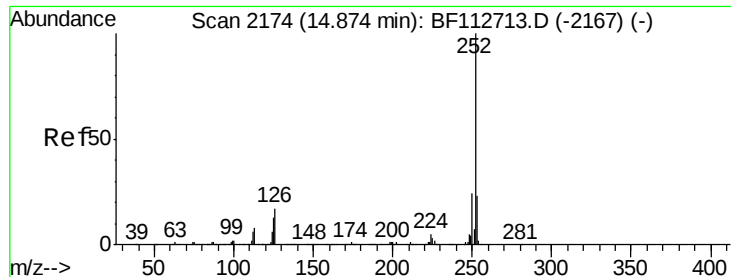
Tgt Ion:276 Resp: 76750
 Ion Ratio Lower Upper
 276 100
 138 21.2 23.2 34.8#
 277 24.9 19.9 29.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. 0.00 min
 Lab File: BF112972.D
 Acq: 11 Mar 2019 23:17

Tgt Ion:264 Resp: 469377
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.7 28.1
 265 21.7 17.2 25.8

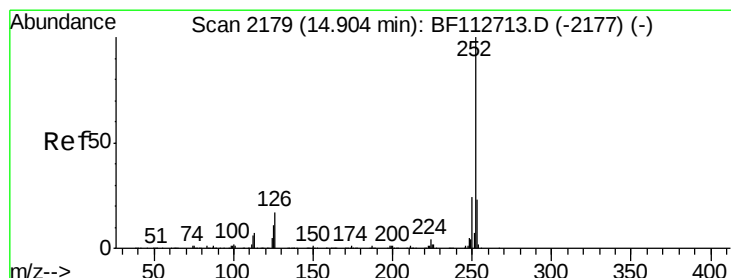
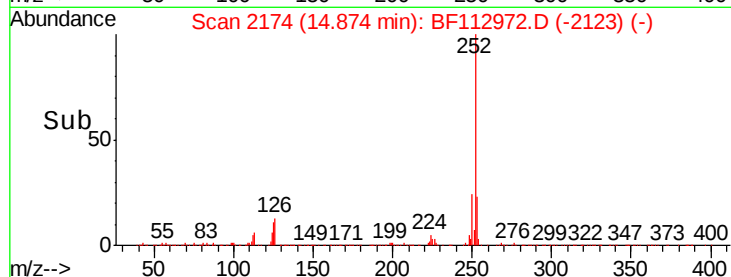
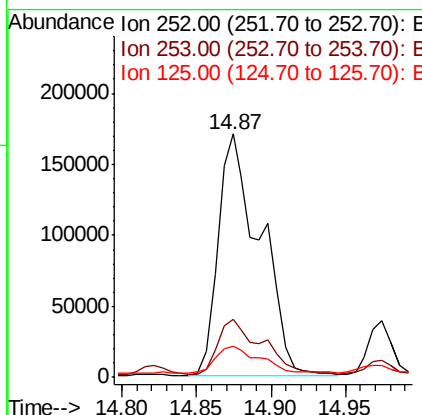
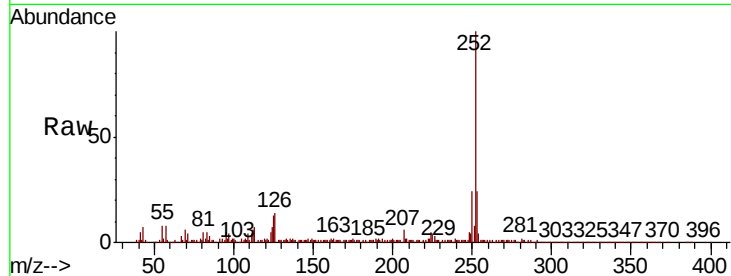




#88
Benzo(b)fluoranthene
Concen: 11.021 ng
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

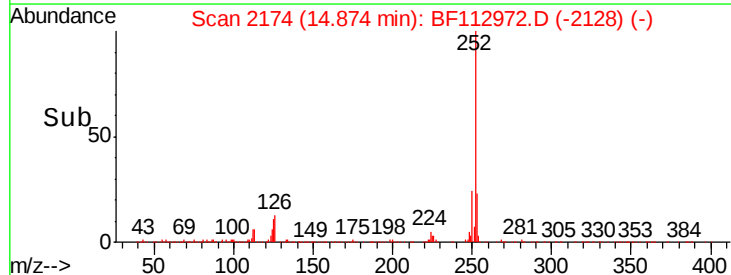
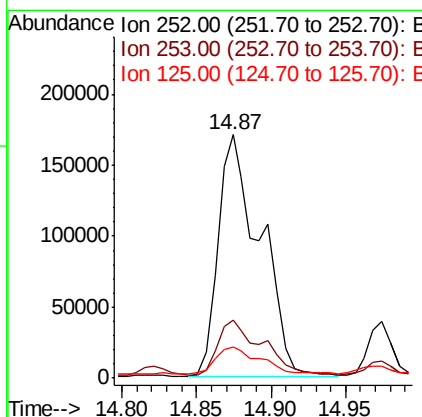
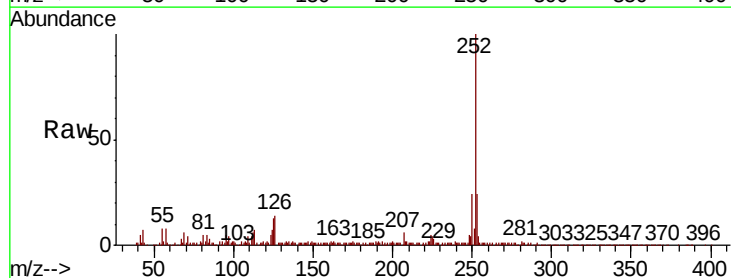
Instrument :
BNA_F
ClientSampleId :
CL-02-030819-B

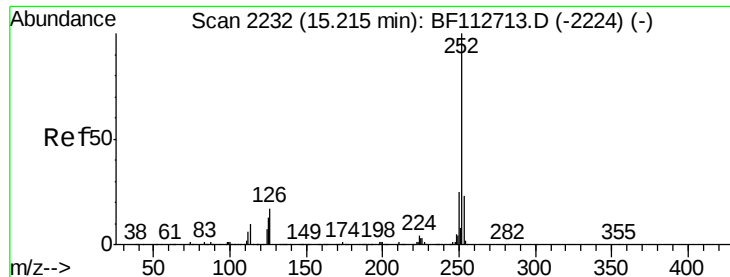
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	13.0	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 12.168 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF112972.D
Acq: 11 Mar 2019 23:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	13.0	9.8	14.6





#90

Benzo(a)pyrene

Concen: 6.584 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

Instrument :

BNA_F

ClientSampleId :

CL-02-030819-B

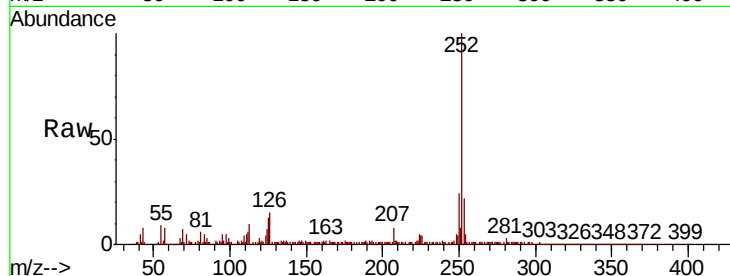
Tgt Ion:252 Resp: 176818

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

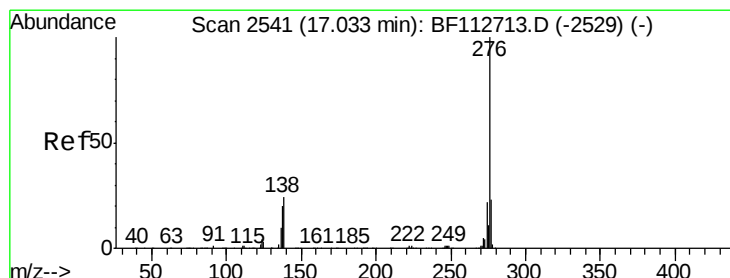
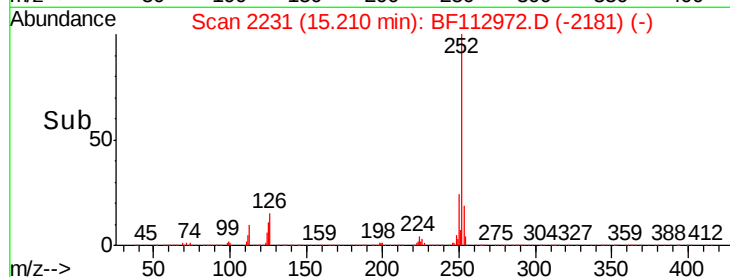
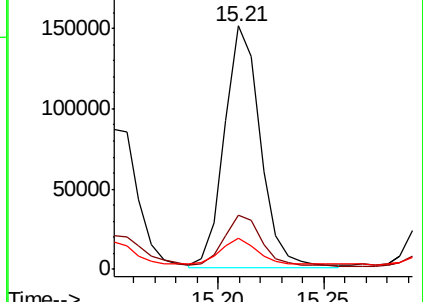
125 12.9 10.7 16.1



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: 2.920 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.01 min

Lab File: BF112972.D

Acq: 11 Mar 2019 23:17

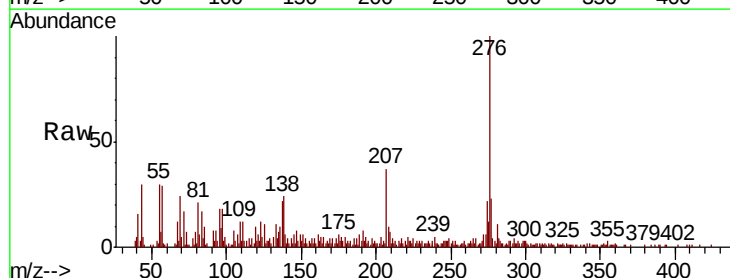
Tgt Ion:276 Resp: 67192

Ion Ratio Lower Upper

276 100

277 23.1 18.6 27.8

138 23.9 19.4 29.0



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

