

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
 Data File : BF112959.D
 Acq On : 11 Mar 2019 17:20
 Operator : JU/SJ
 Sample : K1785-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2019-03-05-DUP-SD

Quant Time: Mar 12 04:39:08 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	158238	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	626793	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	329285	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	742468	20.00	ng	0.00
76) Chrysene-d12	13.86	240	600705	20.00	ng	-0.01
87) Perylene-d12	15.27	264	555817	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1094633	107.61	ng	0.00
7) Phenol-d6	6.37	99	1422963	111.36	ng	0.00
23) Nitrobenzene-d5	7.29	82	885745	84.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	476950	136.44	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1308732	61.15	ng	-0.01
79) Terphenyl-d14	12.82	244	1570994	50.70	ng	0.00

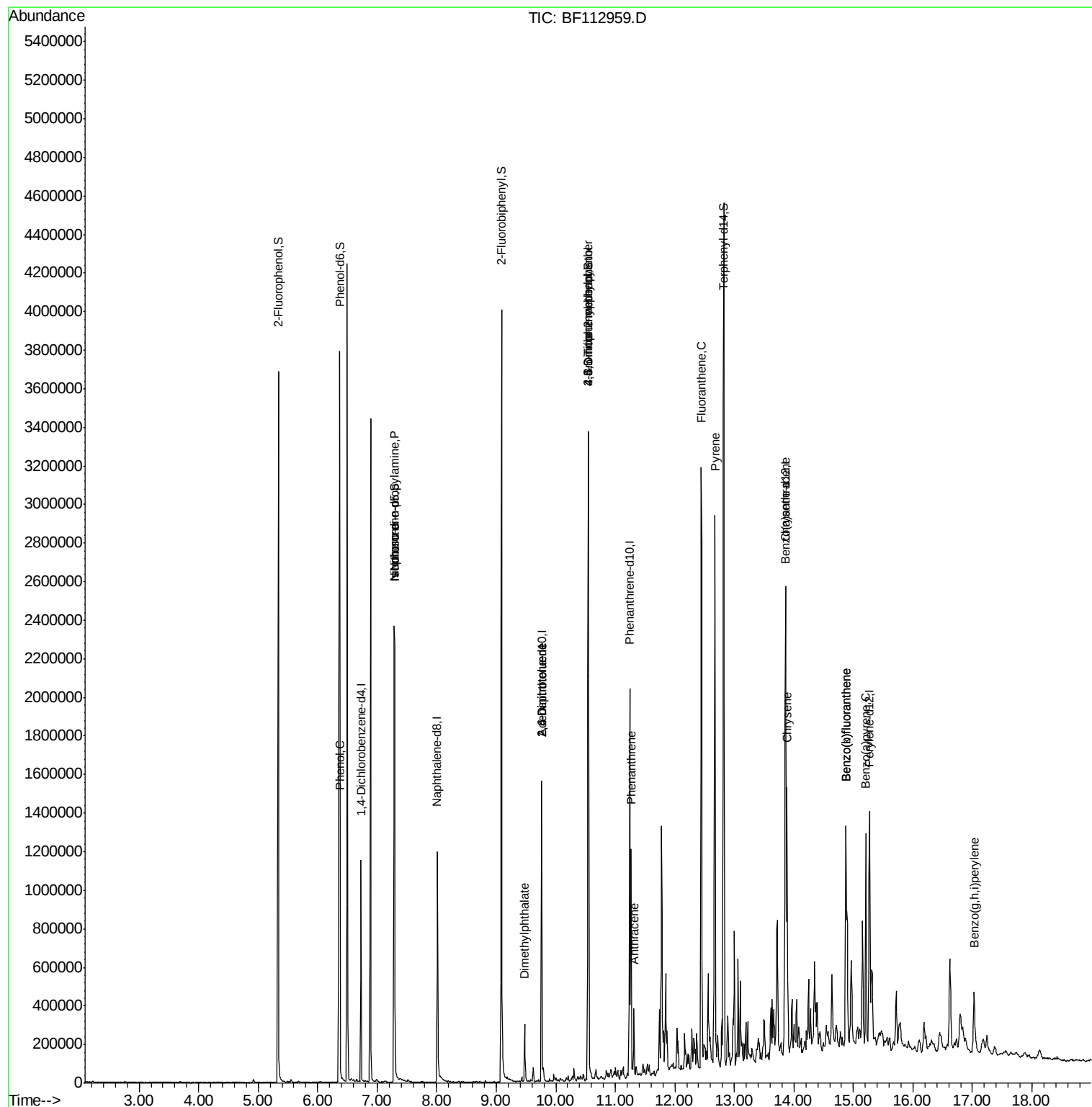
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	35938	2.410	ng	91
19) n-Nitroso-di-n-propylamine	7.29	70	113607	14.038	ng	# 77
25) Isophorone	7.29	82	880178	39.004	ng	# 66
50) Dimethylphthalate	9.48	163	125664	5.176	ng	97
51) 2,6-Dinitrotoluene	9.76	165	41413	8.191	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	41413	6.589	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	735	4.831	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	26500	3.389	ng	# 1
71) Phenanthrene	11.26	178	424703	11.497	ng	98
72) Anthracene	11.31	178	132918	3.437	ng	98
75) Fluoranthene	12.44	202	1334995	33.731	ng	98
78) Pyrene	12.67	202	1216024	24.013	ng	100
81) Benzo(a)anthracene	13.85	228	687429	16.512	ng	97
83) Chrysene	13.89	228	587168	14.398	ng	97
88) Benzo(b)fluoranthene	14.87	252	909051	25.285	ng	99
89) Benzo(k)fluoranthene	14.87	252	909051	27.915	ng	99
90) Benzo(a)pyrene	15.21	252	486377	15.295	ng	97
92) Benzo(g,h,i)perylene	17.03	276	256664	9.420	ng	98

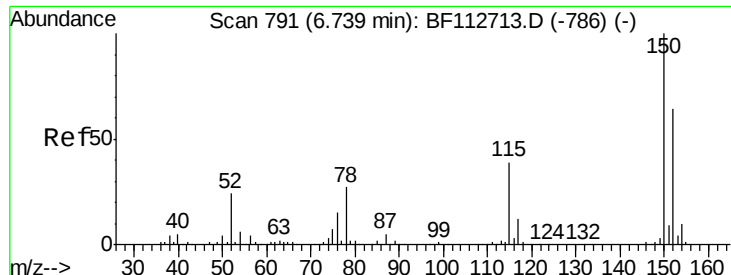
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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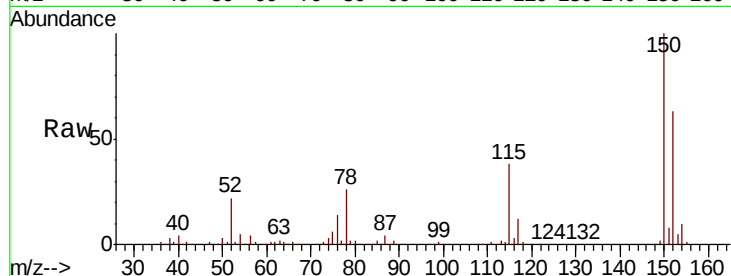




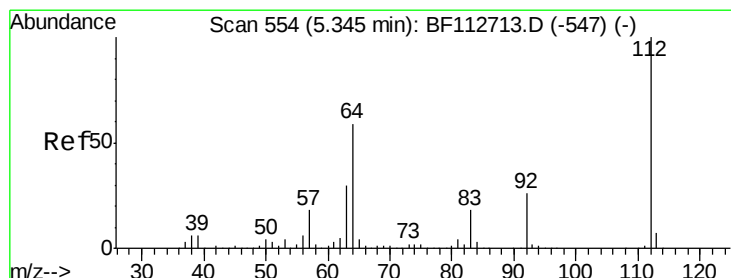
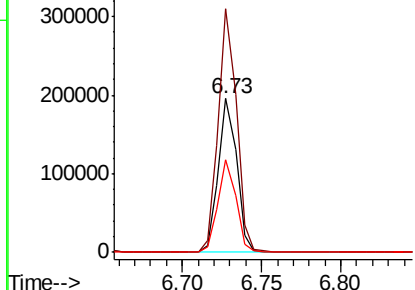
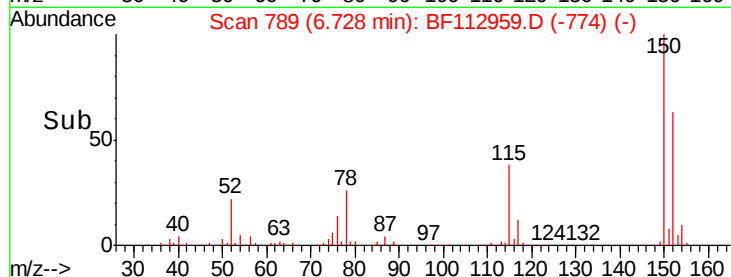
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF112959.D
 Acq: 11 Mar 2019 17:20

Instrument :
 BNA_F
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 2019-03-05-DUP-SD

Tgt Ion:152 Resp: 158238
 Ion Ratio Lower Upper
 152 100
 150 158.4 124.2 186.2
 115 60.3 48.2 72.4

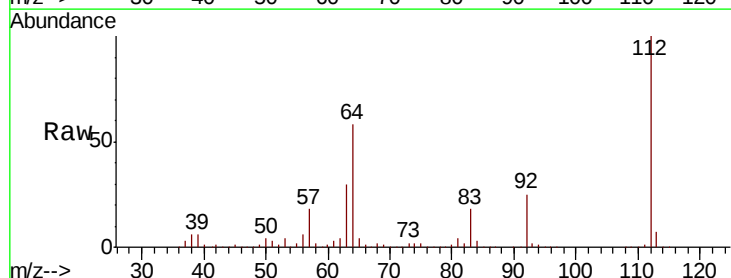


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

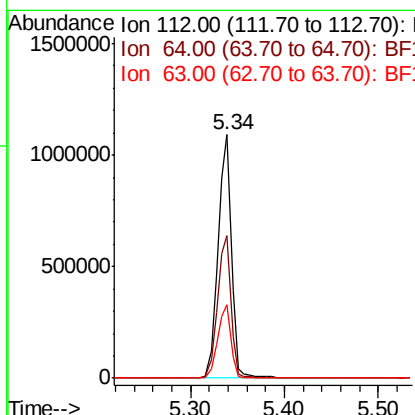
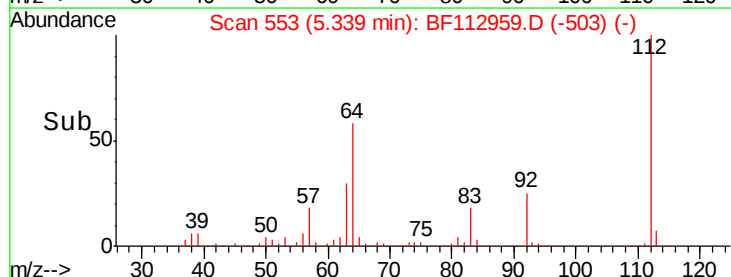


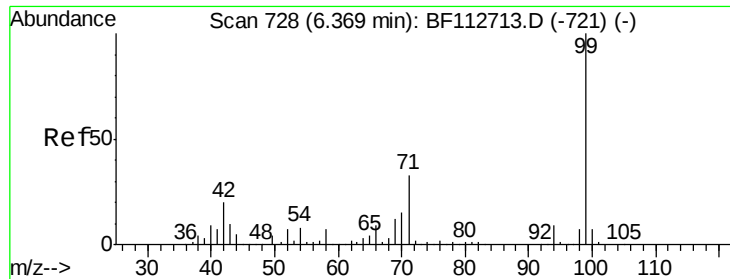
#5
 2-Fluorophenol
 Concen: 107.607 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF112959.D
 Acq: 11 Mar 2019 17:20

Tgt Ion:112 Resp: 1094633
 Ion Ratio Lower Upper
 112 100
 64 58.4 47.6 71.4
 63 29.9 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





#7

Phenol-d6

Concen: 111.357 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112959.D

Acq: 11 Mar 2019 17:20

Instrument :

BNA_F

ClientSampleId :

2019-03-05-DUP-SD

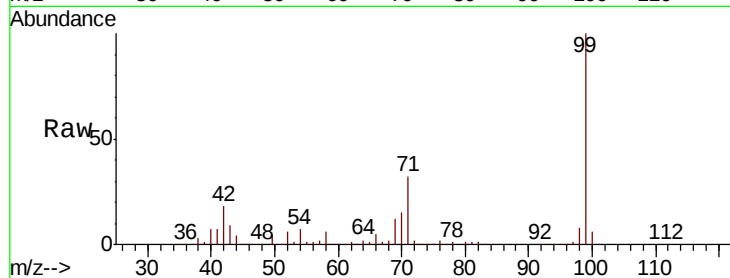
Tgt Ion: 99 Resp: 1422963

Ion Ratio Lower Upper

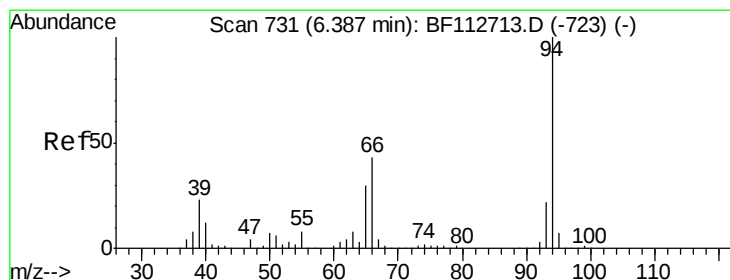
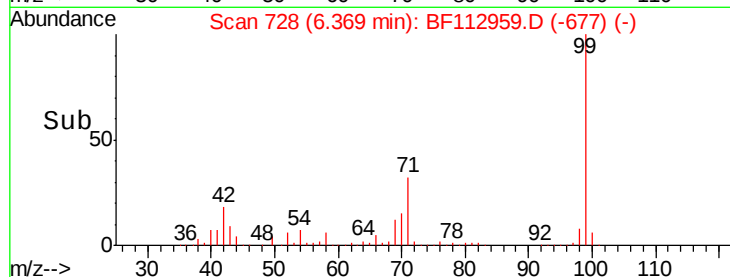
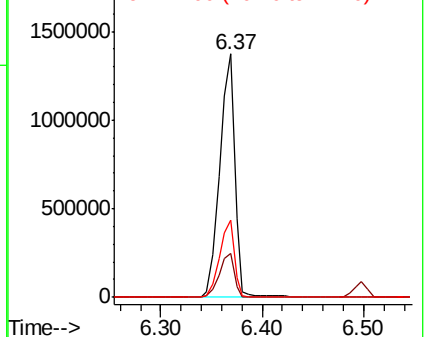
99 100

42 18.3 16.3 24.5

71 31.6 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



#10

Phenol

Concen: 2.410 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF112959.D

Acq: 11 Mar 2019 17:20

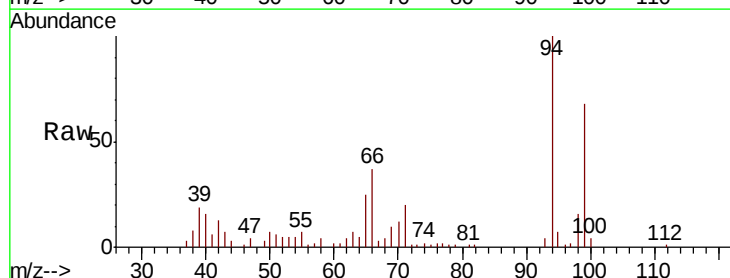
Tgt Ion: 94 Resp: 35938

Ion Ratio Lower Upper

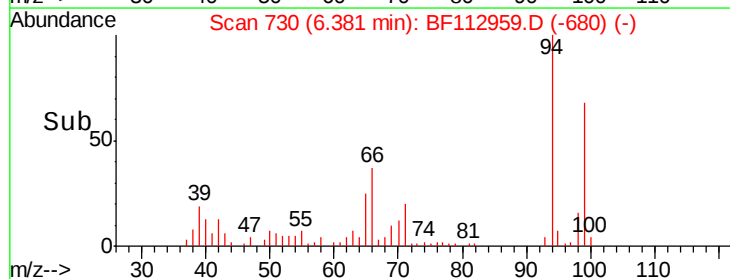
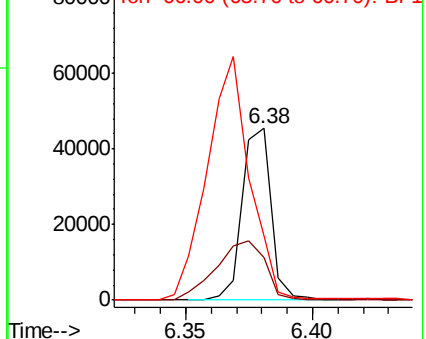
94 100

65 24.8 10.5 50.5

66 37.3 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

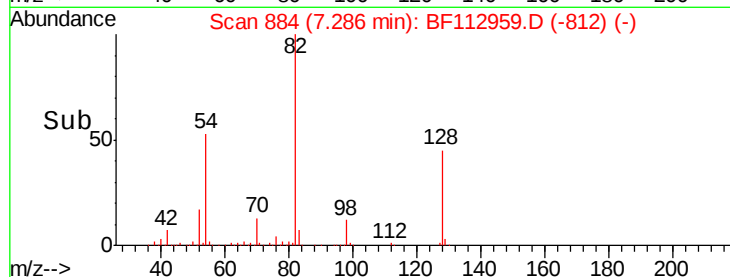
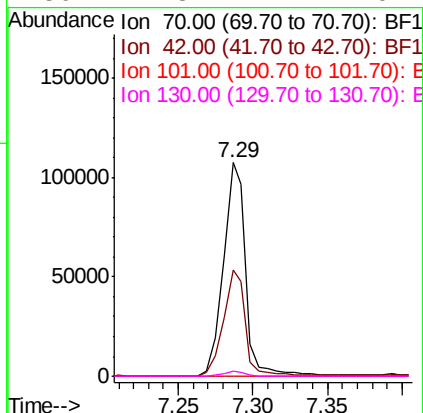
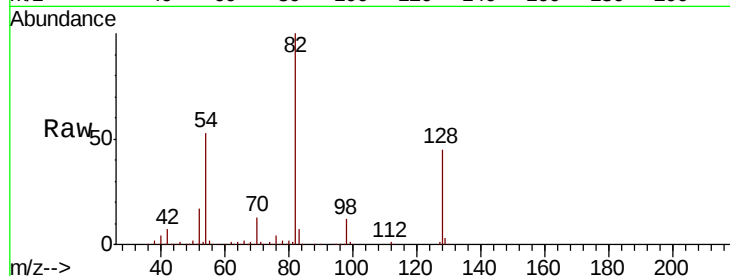




#19
n-Nitroso-di-n-propylamine
Concen: 14.038 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.12 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

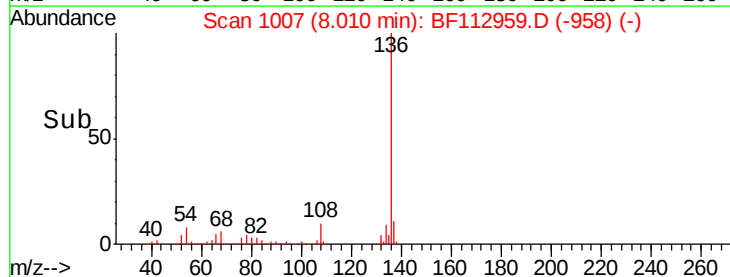
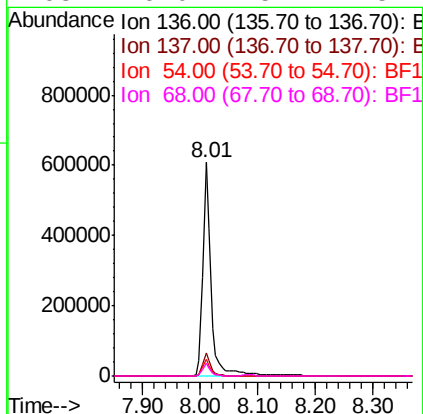
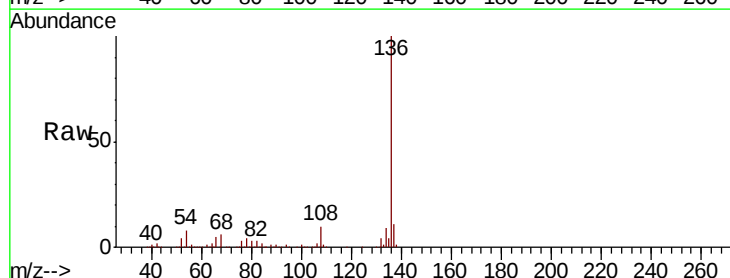
Instrument :
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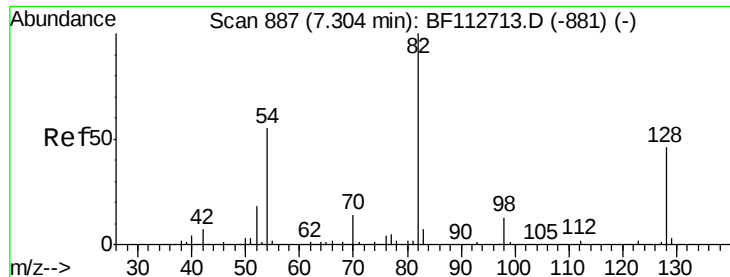
Tgt Ion:	70	Resp:	113607
Ion	Ratio	Lower	Upper
70	100		
42	49.6	49.9	74.9#
101	0.0	7.4	11.2#
130	2.3	17.4	26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

Tgt Ion:	136	Resp:	626793
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.1	7.3	10.9
68	6.0	5.4	8.2

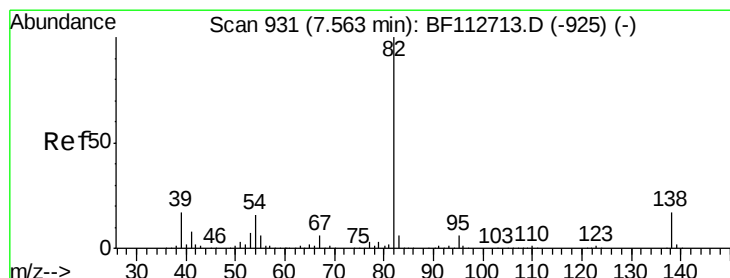
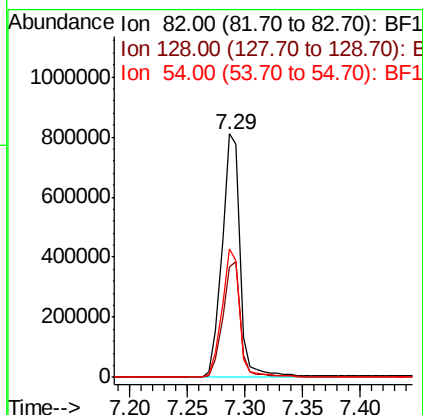
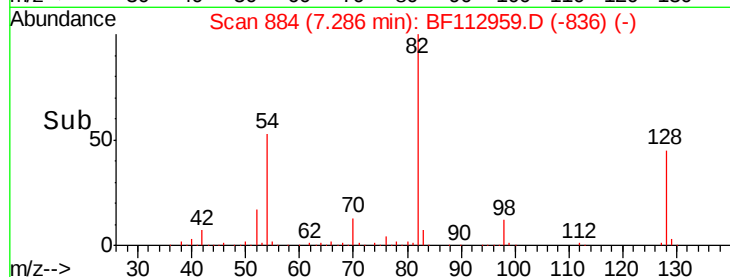
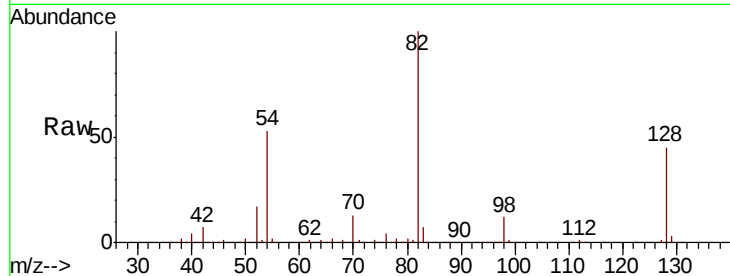




#23
 Nitrobenzene-d5
 Concen: 84.559 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.02 min
 Lab File: BF112959.D
 Acq: 11 Mar 2019 17:20

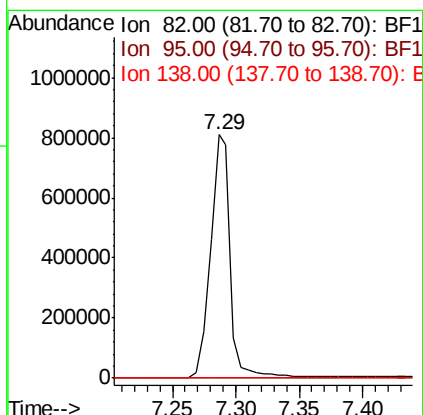
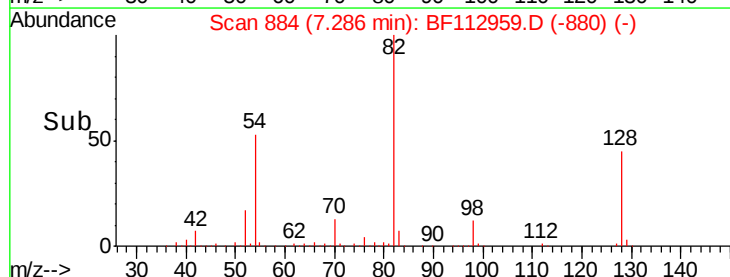
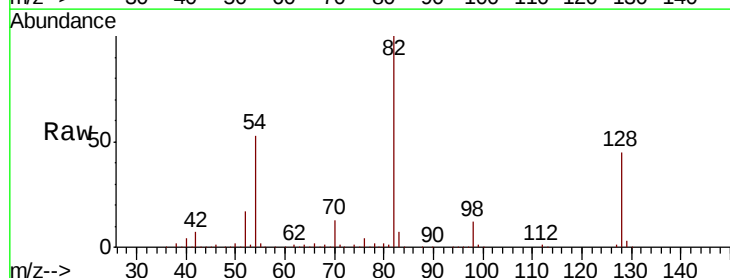
Instrument :
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 ClientSampleId :
 2019-03-05-DUP-SD

Tgt Ion: 82 Resp: 885745
 Ion Ratio Lower Upper
 82 100
 128 45.4 36.3 54.5
 54 52.7 43.7 65.5



#25
 Isophorone
 Concen: 39.004 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.28 min
 Lab File: BF112959.D
 Acq: 11 Mar 2019 17:20

Tgt Ion: 82 Resp: 880178
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 13.8 20.8#

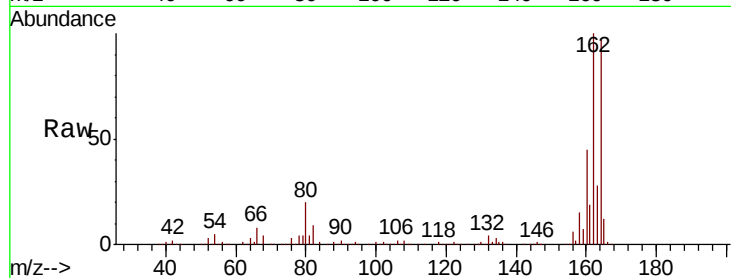




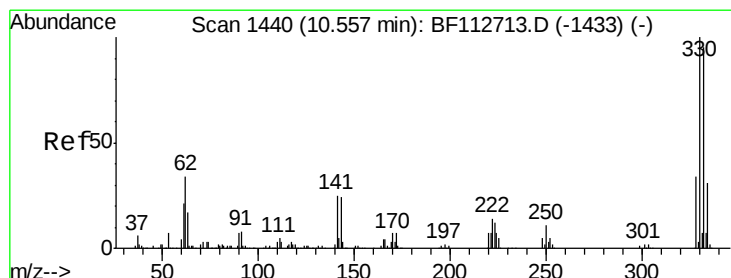
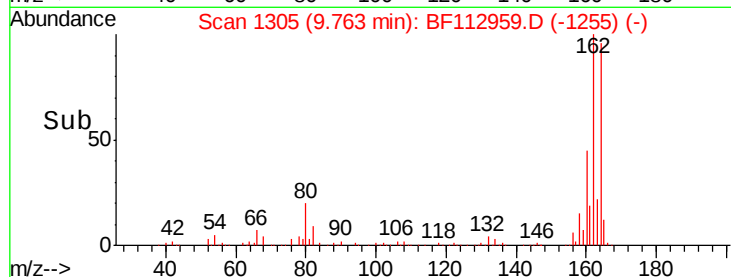
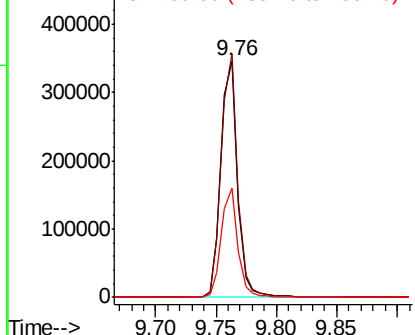
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

Instrument :
BNA_F
ClientSampleId :
2019-03-05-DUP-SD

Tgt Ion:164 Resp: 329285
Ion Ratio Lower Upper
164 100
162 103.2 80.6 120.8
160 46.3 36.0 54.0

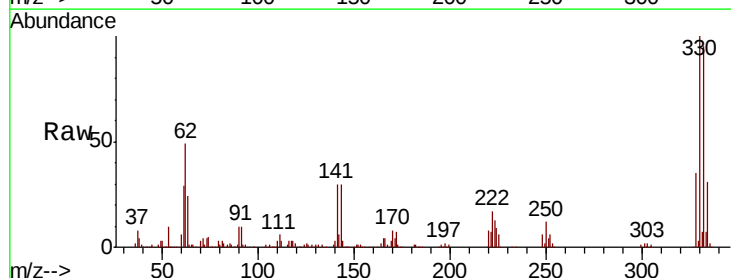


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

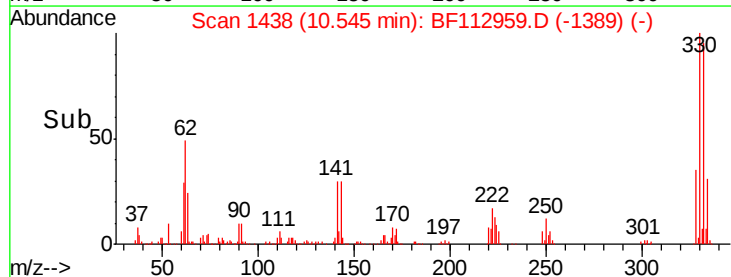
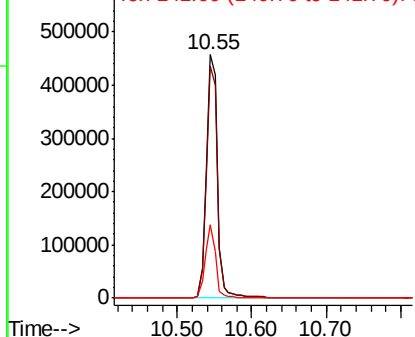


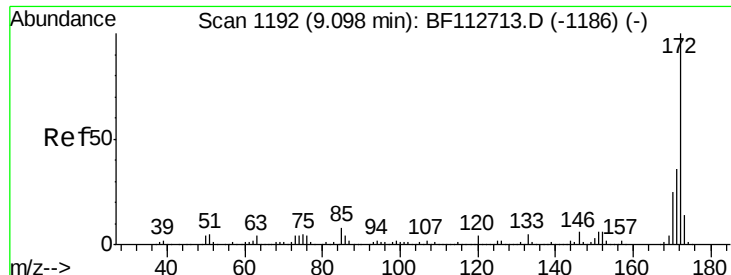
#42
2,4,6-Tribromophenol
Concen: 136.436 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

Tgt Ion:330 Resp: 476950
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 28.5 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

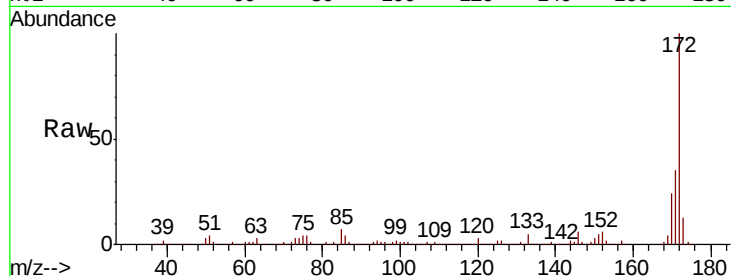




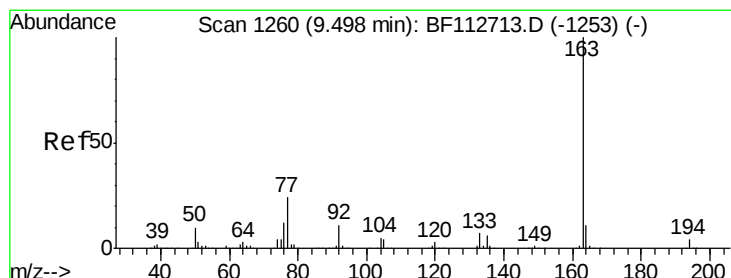
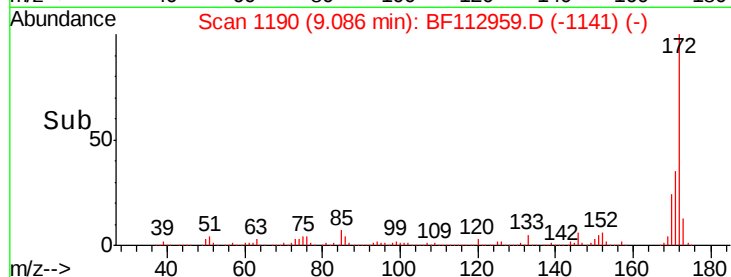
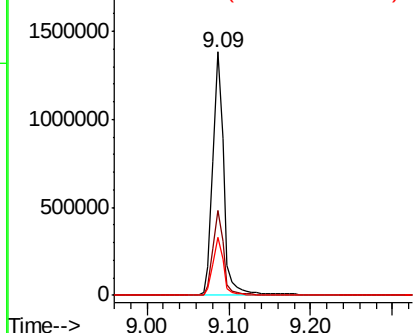
#45
 2-Fluorobiphenyl
 Concen: 61.153 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112959.D
 Acq: 11 Mar 2019 17:20

Instrument :
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 2019-03-05-DUP-SD

Tgt Ion:172 Resp: 1308732
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.0 43.4
 170 23.7 20.0 30.0

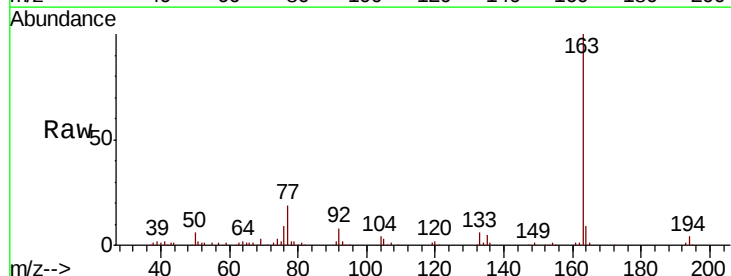


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

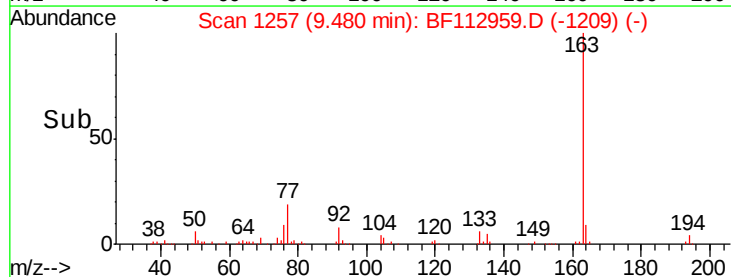
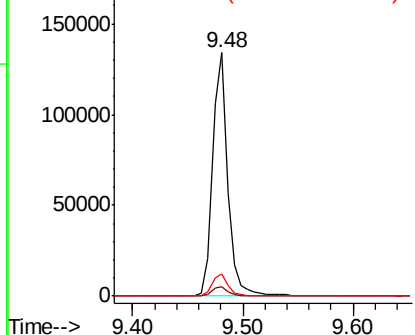


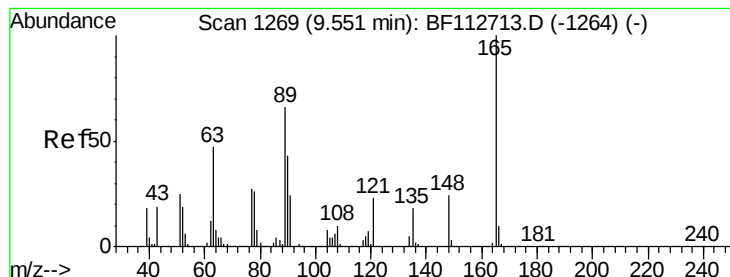
#50
 Dimethylphthalate
 Concen: 5.176 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.02 min
 Lab File: BF112959.D
 Acq: 11 Mar 2019 17:20

Tgt Ion:163 Resp: 125664
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.4
 164 9.2 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





#51

2,6-Dinitrotoluene

Concen: 8.191 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF112959.D

Acq: 11 Mar 2019 17:20

Instrument :

BNA_F

ClientSampleId :

2019-03-05-DUP-SD

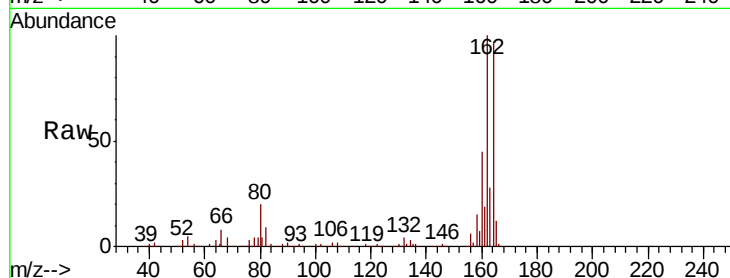
Tgt Ion:165 Resp: 41413

Ion Ratio Lower Upper

165 100

63 1.5 54.1 81.1#

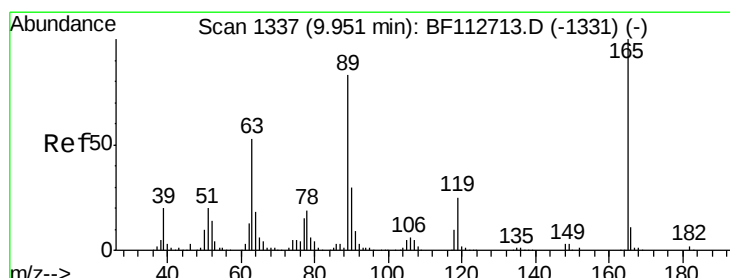
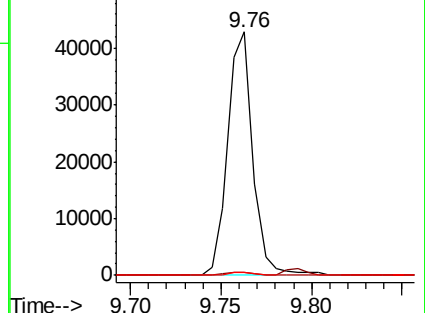
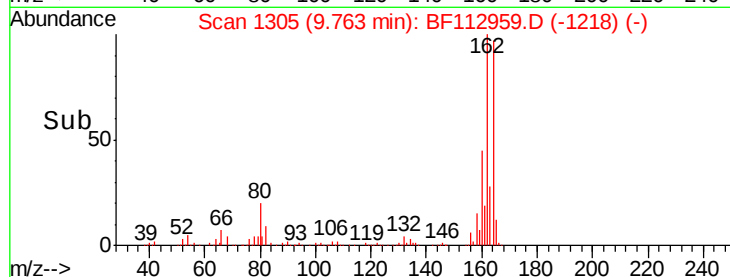
89 1.4 52.8 79.2#



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



#57

2,4-Dinitrotoluene

Concen: 6.589 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.19 min

Lab File: BF112959.D

Acq: 11 Mar 2019 17:20

Tgt Ion:165 Resp: 41413

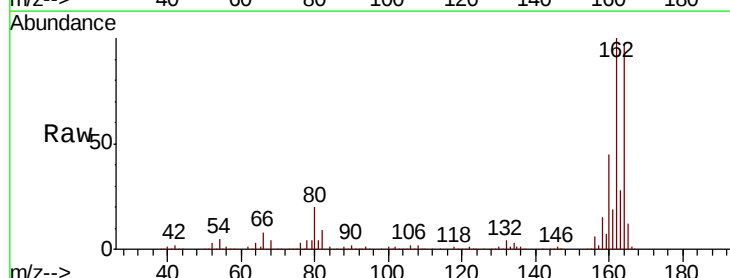
Ion Ratio Lower Upper

165 100

63 1.5 42.2 63.2#

89 1.4 66.2 99.4#

182 0.0 1.8 2.6#

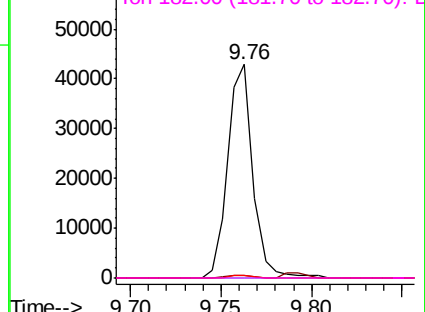
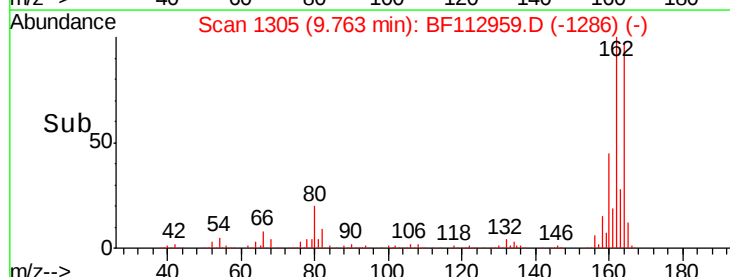


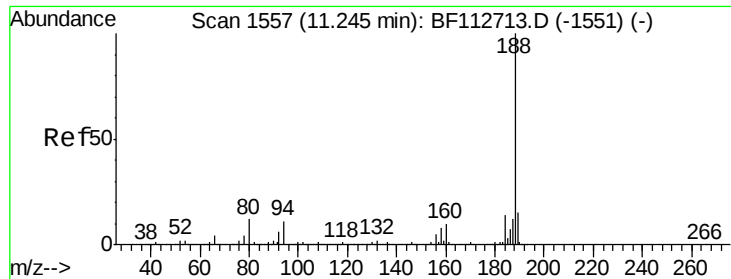
Abundance Ion 165.00 (164.70 to 165.70): E

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

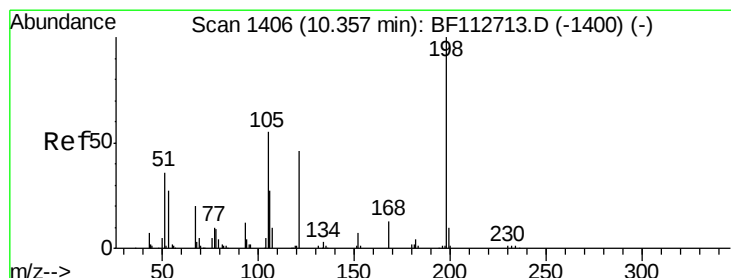
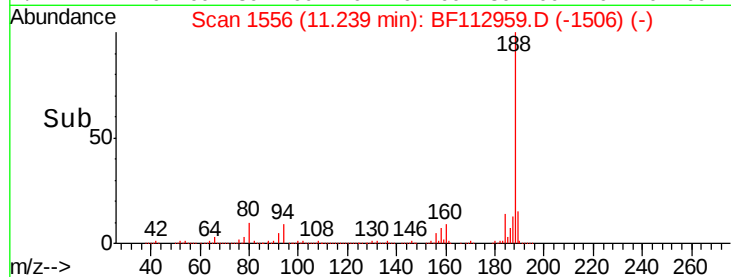
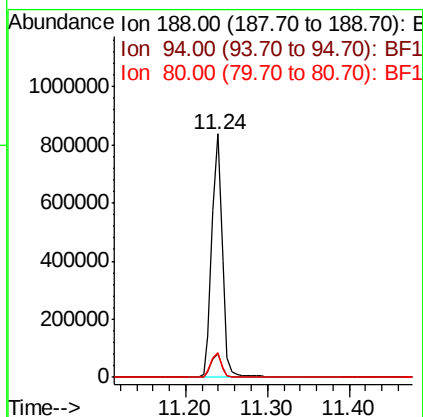
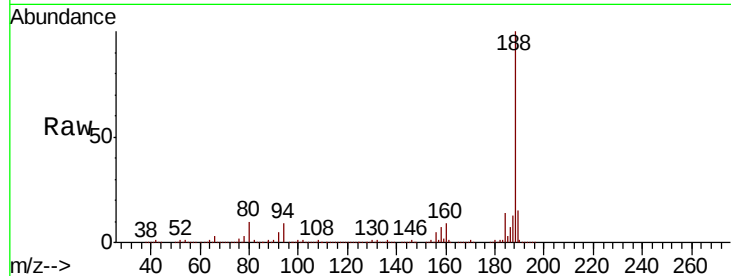




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

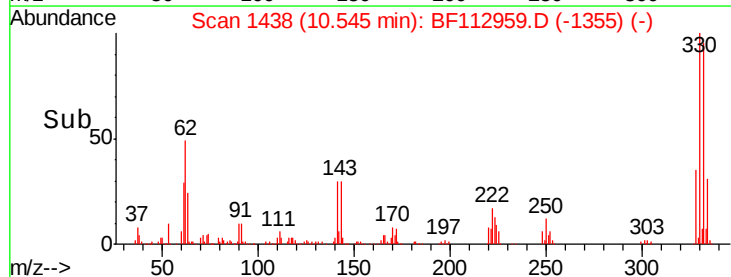
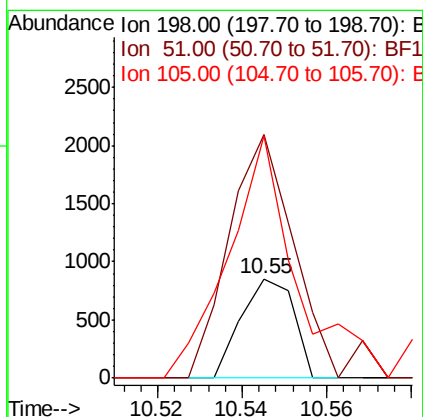
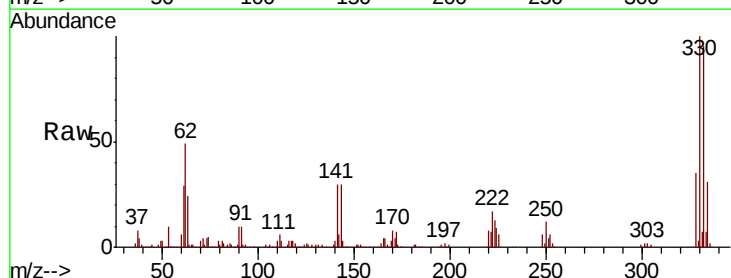
Instrument :
BNA_F
ClientSampleId :
2019-03-05-DUP-SD

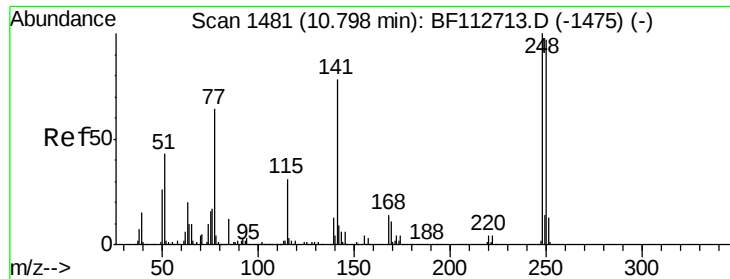
Tgt Ion:188 Resp: 742468
Ion Ratio Lower Upper
188 100
94 9.4 9.0 13.4
80 10.0 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.831 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

Tgt Ion:198 Resp: 735
Ion Ratio Lower Upper
198 100
51 245.2 43.8 83.8#
105 244.3 36.5 76.5#

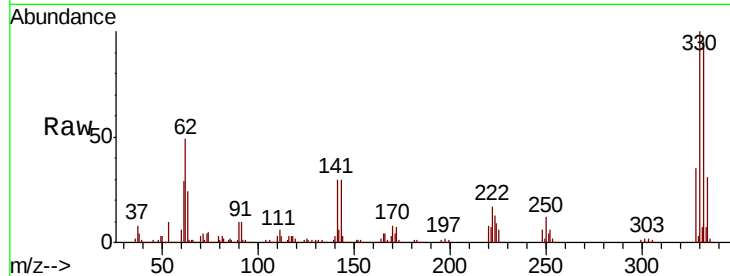




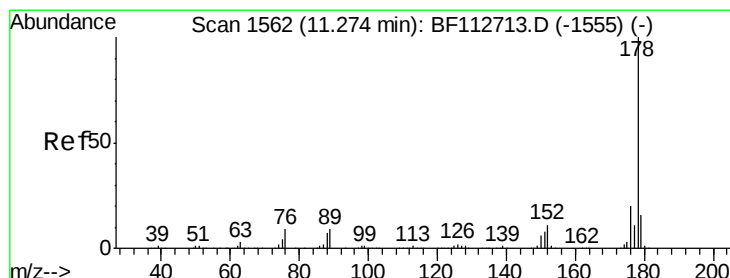
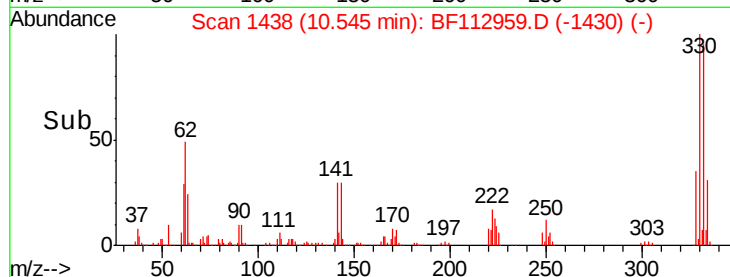
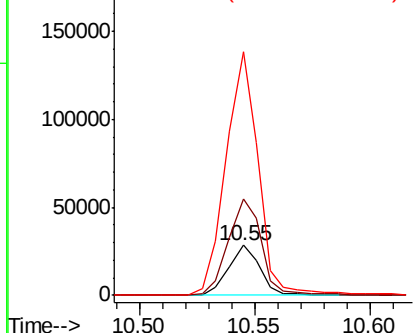
#67
 4-Bromophenyl-phenylether
 Concen: 3.389 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112959.D
 Acq: 11 Mar 2019 17:20

Instrument :
 BNA_F
 ClientSampleId :
 2019-03-05-DUP-SD

Tgt Ion: 248 Resp: 26500
 Ion Ratio Lower Upper
 248 100
 250 194.2 77.5 116.3#
 141 489.6 62.4 93.6#

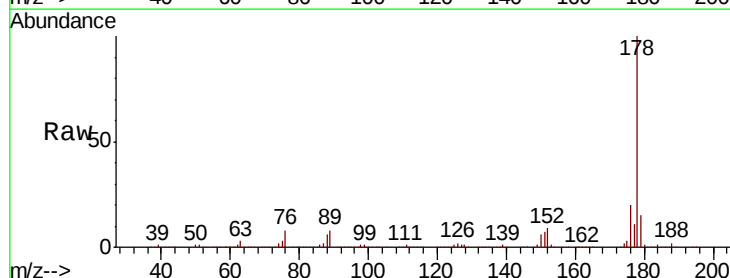


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

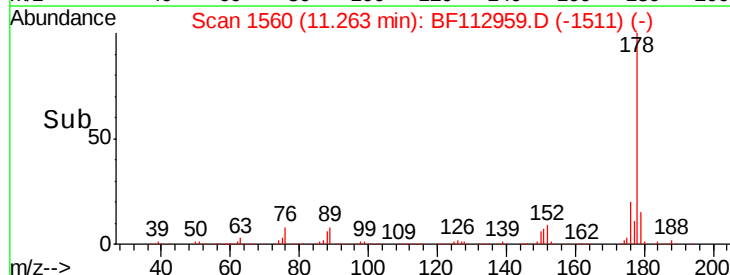
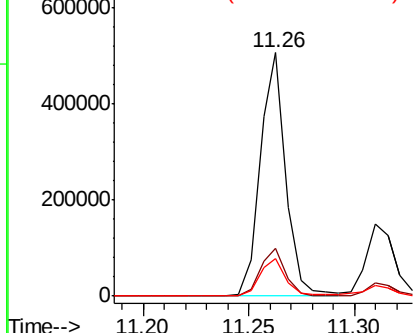


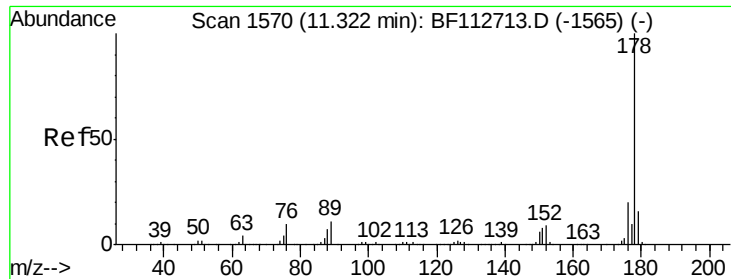
#71
 Phenanthrene
 Concen: 11.497 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF112959.D
 Acq: 11 Mar 2019 17:20

Tgt Ion: 178 Resp: 424703
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.3 24.5
 179 15.3 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: 3.437 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF112959.D

Acq: 11 Mar 2019 17:20

Instrument :

BNA_F

ClientSampleId :

2019-03-05-DUP-SD

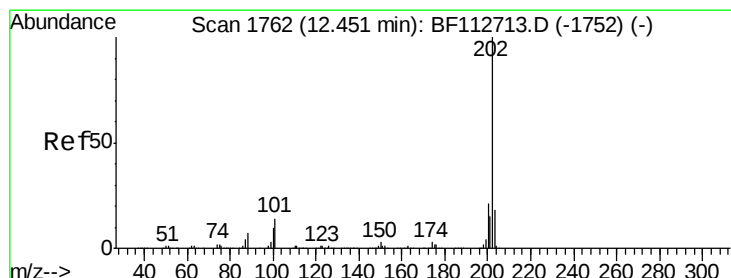
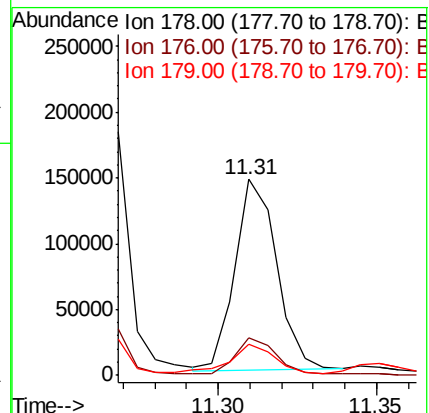
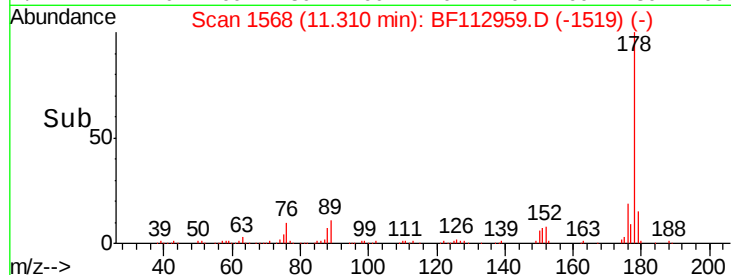
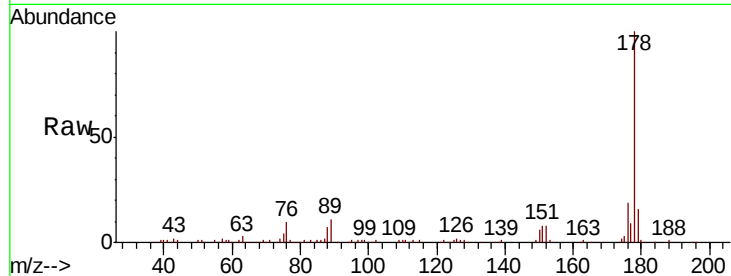
Tgt Ion:178 Resp: 132918

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.6

179 15.6 13.0 19.6



#75

Fluoranthene

Concen: 33.731 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112959.D

Acq: 11 Mar 2019 17:20

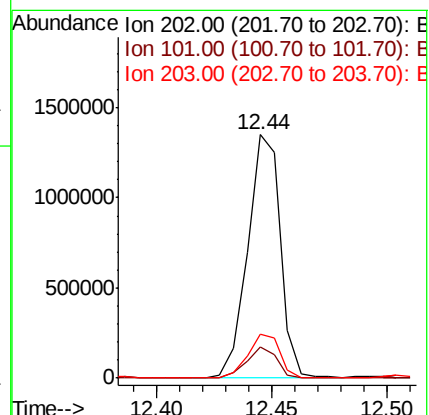
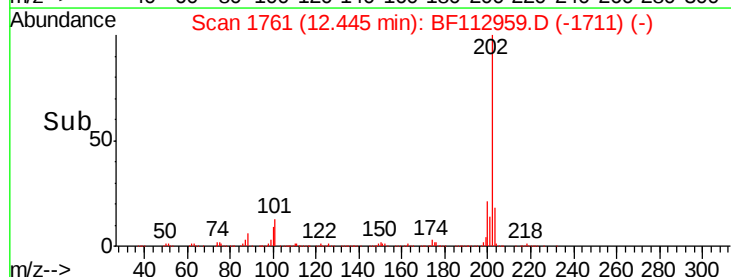
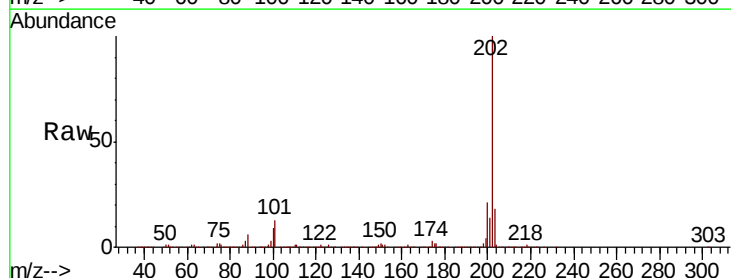
Tgt Ion:202 Resp: 1334995

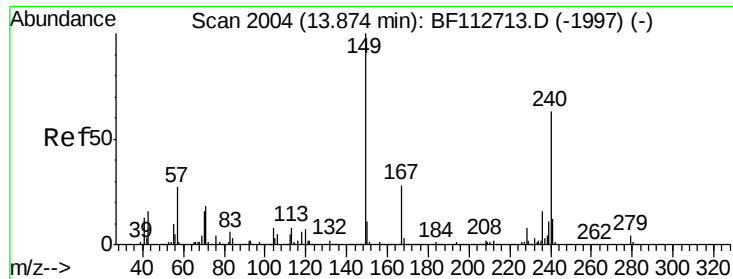
Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.8

203 18.2 0.0 38.4

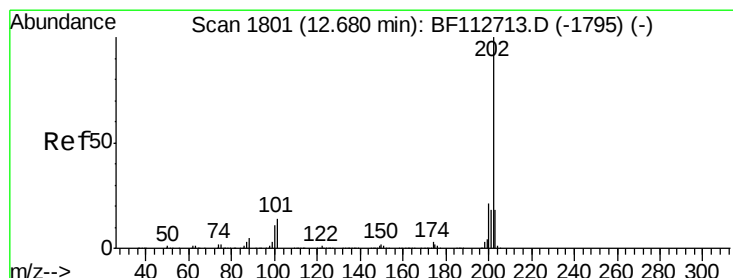
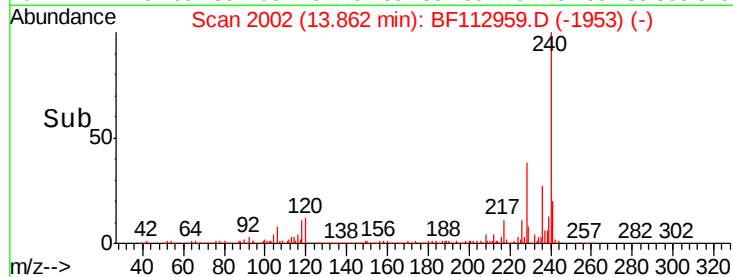
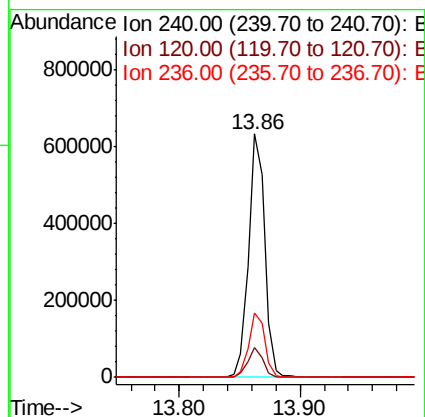
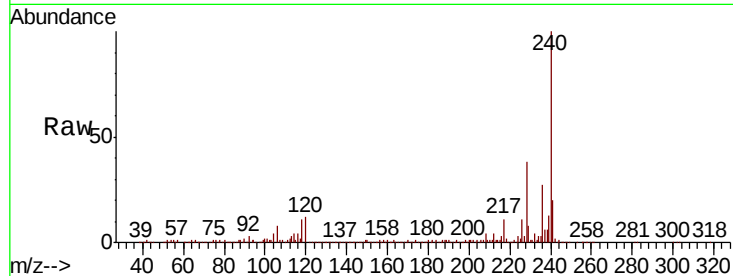




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

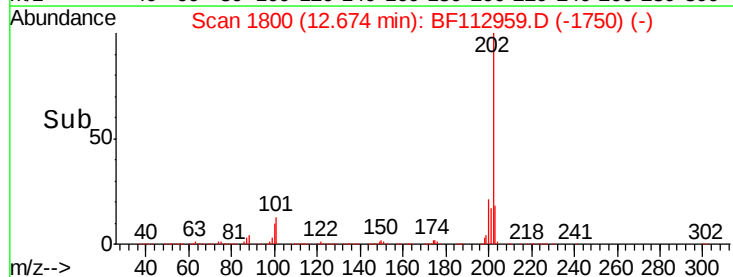
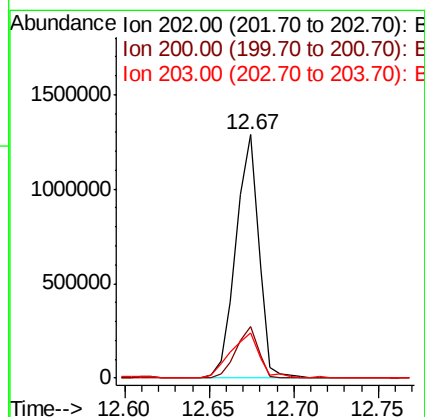
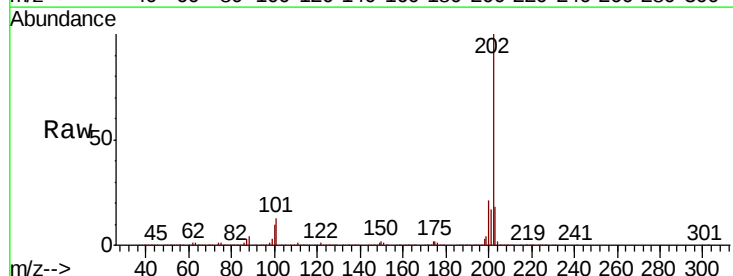
Instrument :
BNA_F
ClientSampleId :
2019-03-05-DUP-SD

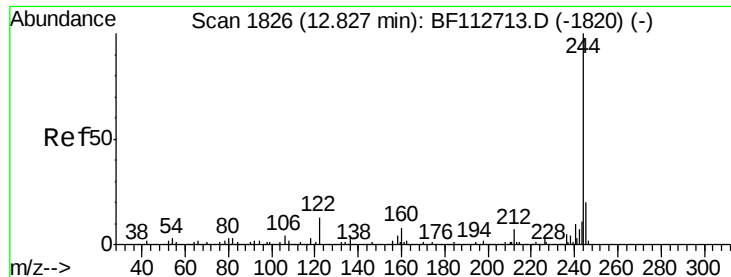
Tgt Ion:240 Resp: 600705
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 26.6 20.7 31.1



#78
Pyrene
Concen: 24.013 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

Tgt Ion:202 Resp: 1216024
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 18.4 14.4 21.6





#79

Terphenyl-d14

Concen: 50.697 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112959.D

Acq: 11 Mar 2019 17:20

Instrument :

BNA_F

ClientSampleId :

2019-03-05-DUP-SD

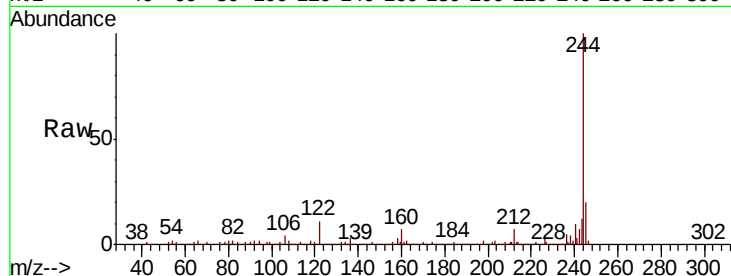
Tgt Ion:244 Resp: 1570994

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

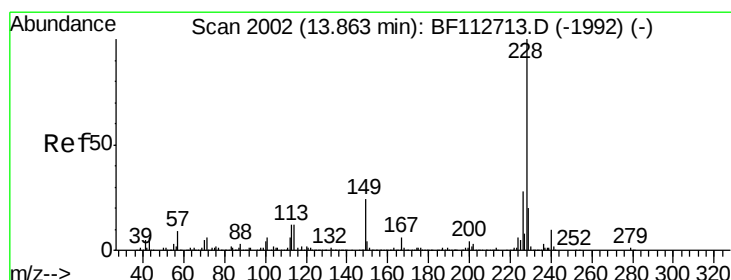
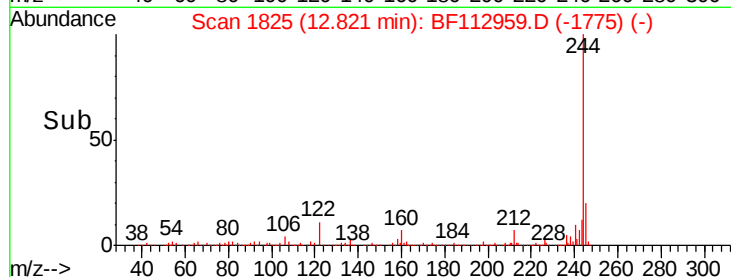
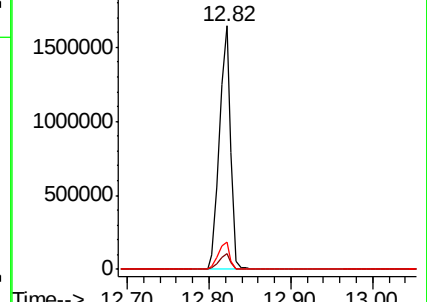
122 11.1 10.5 15.7



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



#81

Benzo(a)anthracene

Concen: 16.512 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF112959.D

Acq: 11 Mar 2019 17:20

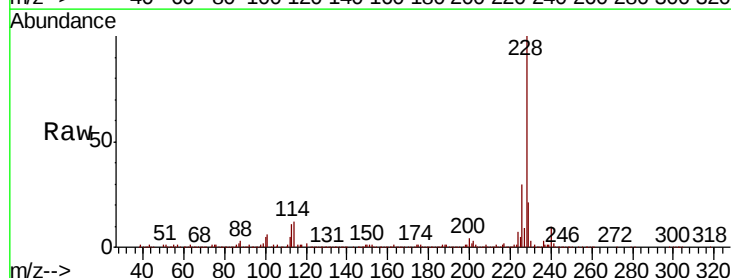
Tgt Ion:228 Resp: 687429

Ion Ratio Lower Upper

228 100

226 29.7 22.2 33.4

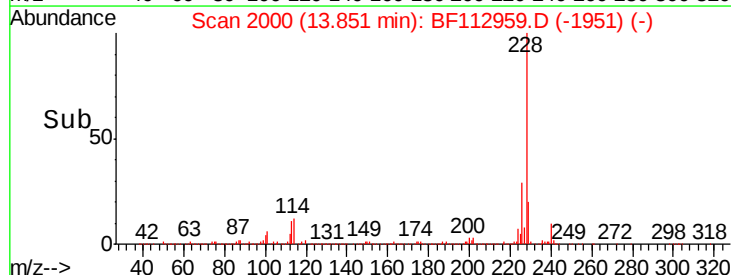
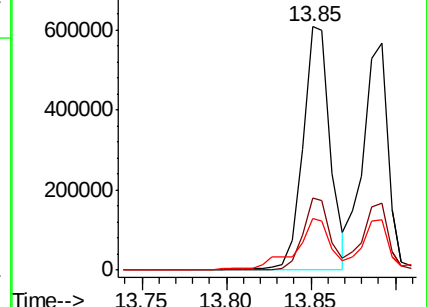
229 21.0 16.0 24.0

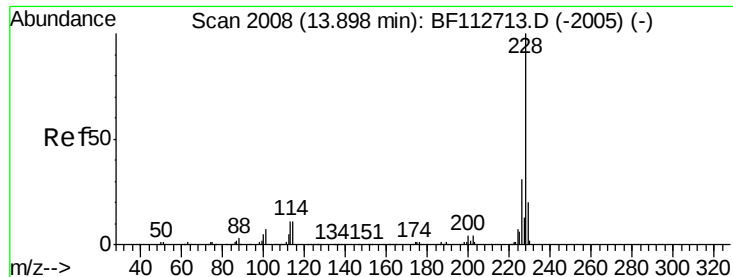


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

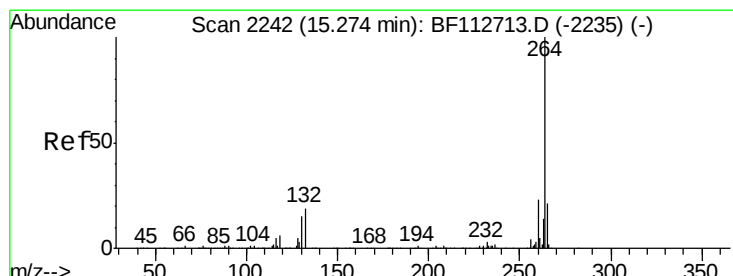
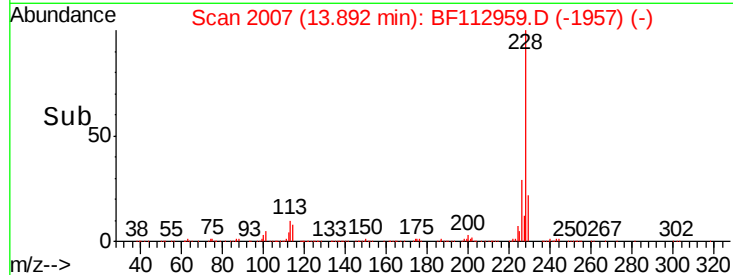
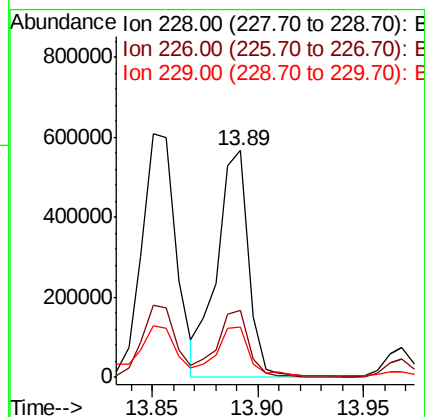
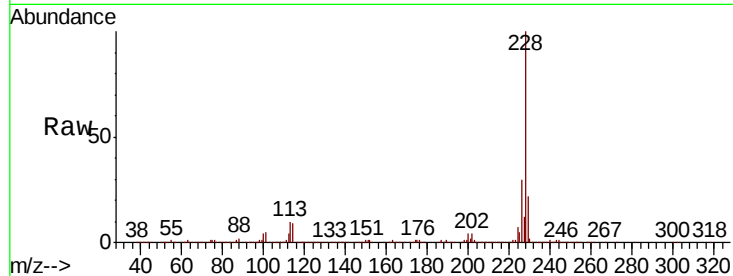




#83
Chrysene
Concen: 14.398 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

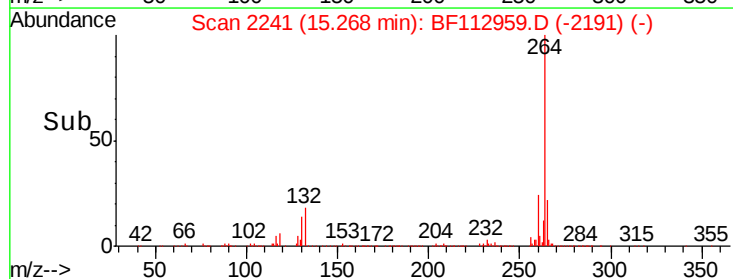
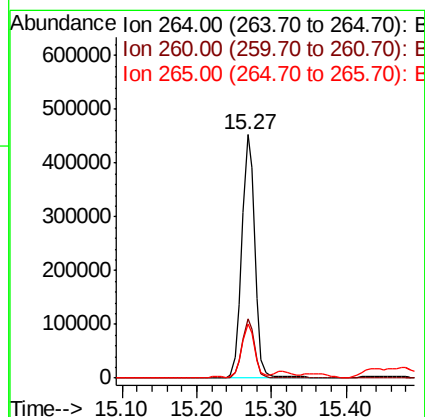
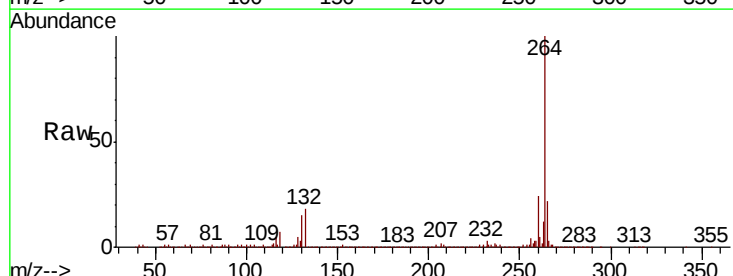
Instrument :
BNA_F
ClientSampleId :
2019-03-05-DUP-SD

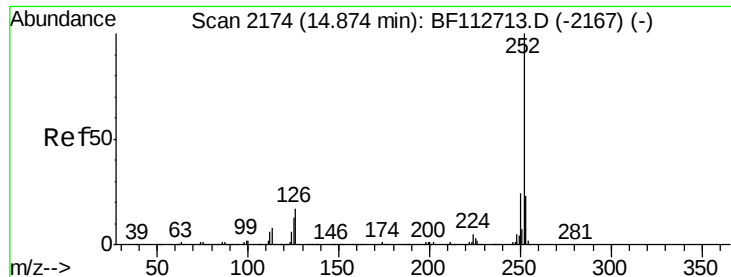
Tgt Ion:	228	Resp:	587168
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	22.4	16.3	24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

Tgt Ion:	264	Resp:	555817
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.1	17.2	25.8

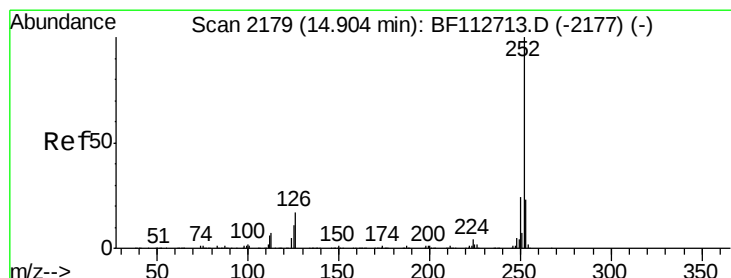
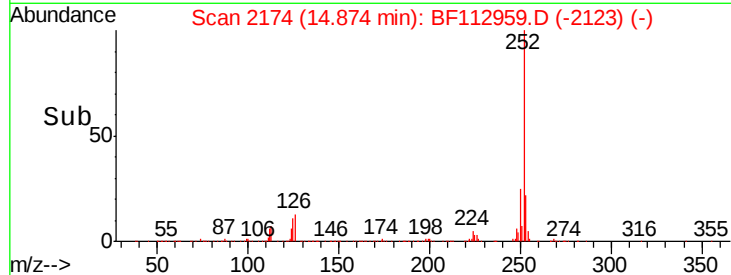
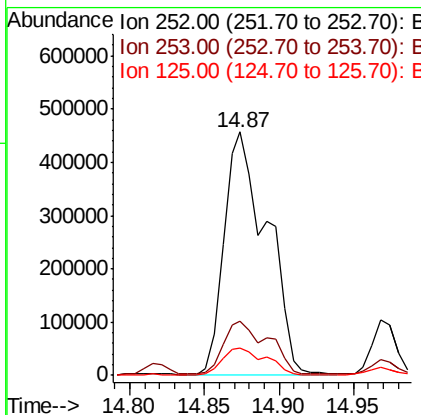
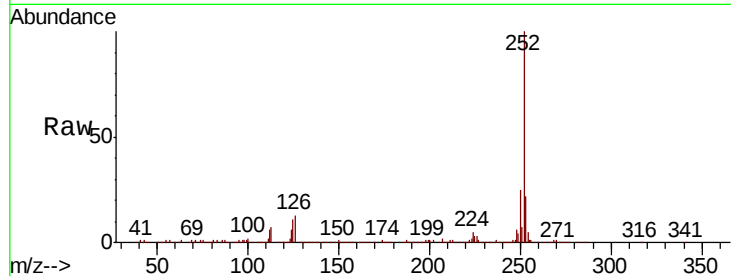




#88
Benzo(b)fluoranthene
Concen: 25.285 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

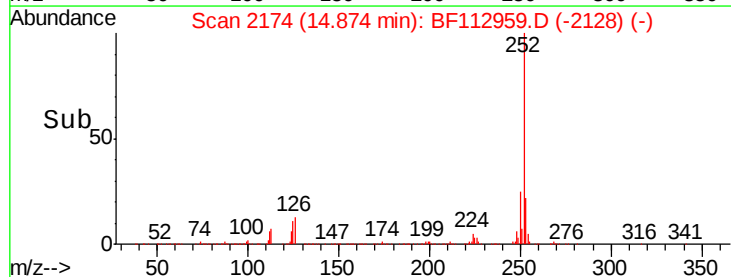
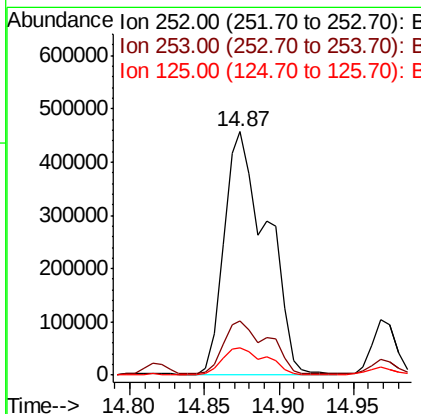
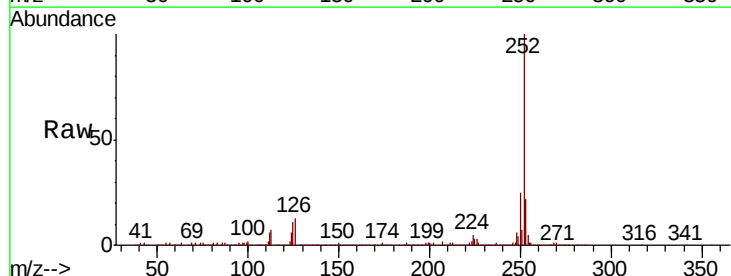
Instrument :
BNA_F
ClientSampleId :
2019-03-05-DUP-SD

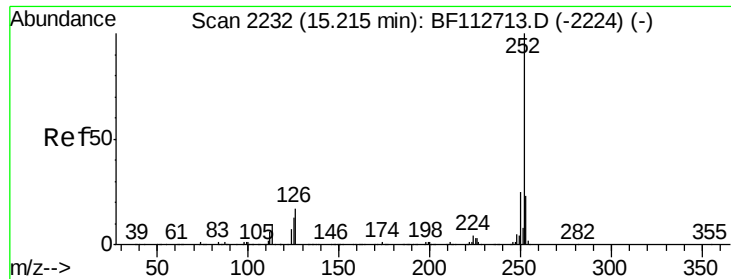
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	11.2	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 27.915 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	11.2	9.8	14.6

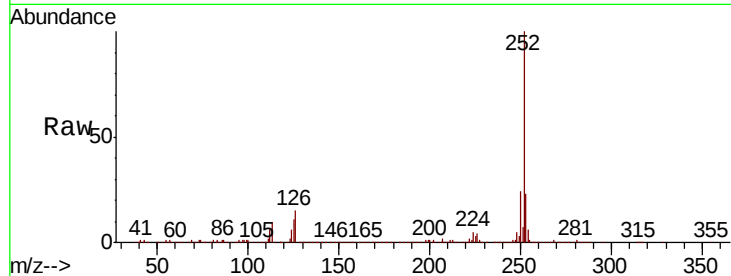




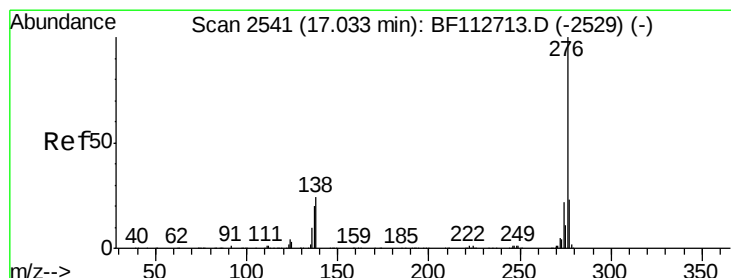
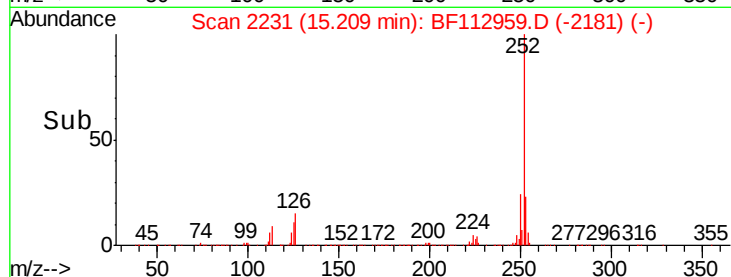
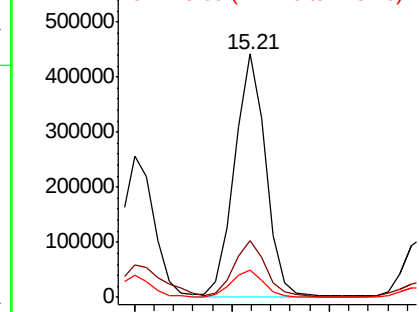
#90
Benzo(a)pyrene
Concen: 15.295 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

Instrument :
BNA_F
ClientSampleId :
2019-03-05-DUP-SD

Tgt Ion: 252 Resp: 486377
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 11.1 10.7 16.1

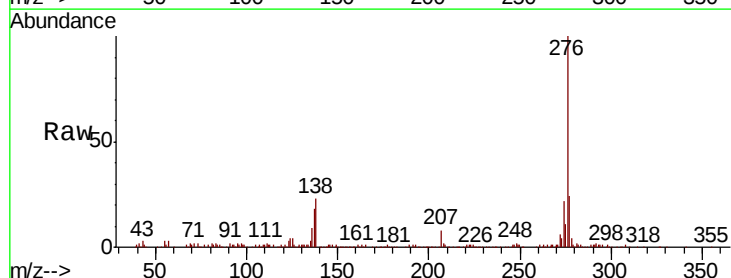


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 9.420 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF112959.D
Acq: 11 Mar 2019 17:20

Tgt Ion: 276 Resp: 256664
Ion Ratio Lower Upper
276 100
277 24.3 18.6 27.8
138 23.3 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

