

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
 Data File : BF112826.D
 Acq On : 4 Mar 2019 16:06
 Operator : JU/SJ
 Sample : K1688-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-D

Quant Time: Mar 05 00:37:22 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	6.75	152	158038	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	535604	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	221795	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	440688	20.00	ng	0.00
76) Chrysene-d12	13.88	240	435976	20.00	ng	0.00
87) Perylene-d12	15.30	264	316163	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	629905	62.00	ng	0.00
7) Phenol-d6	6.37	99	799071	62.61	ng	0.00
23) Nitrobenzene-d5	7.30	82	448499	50.11	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	190398	80.86	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	727441	48.47	ng	0.00
79) Terphenyl-d14	12.84	244	795372	35.36	ng	0.01

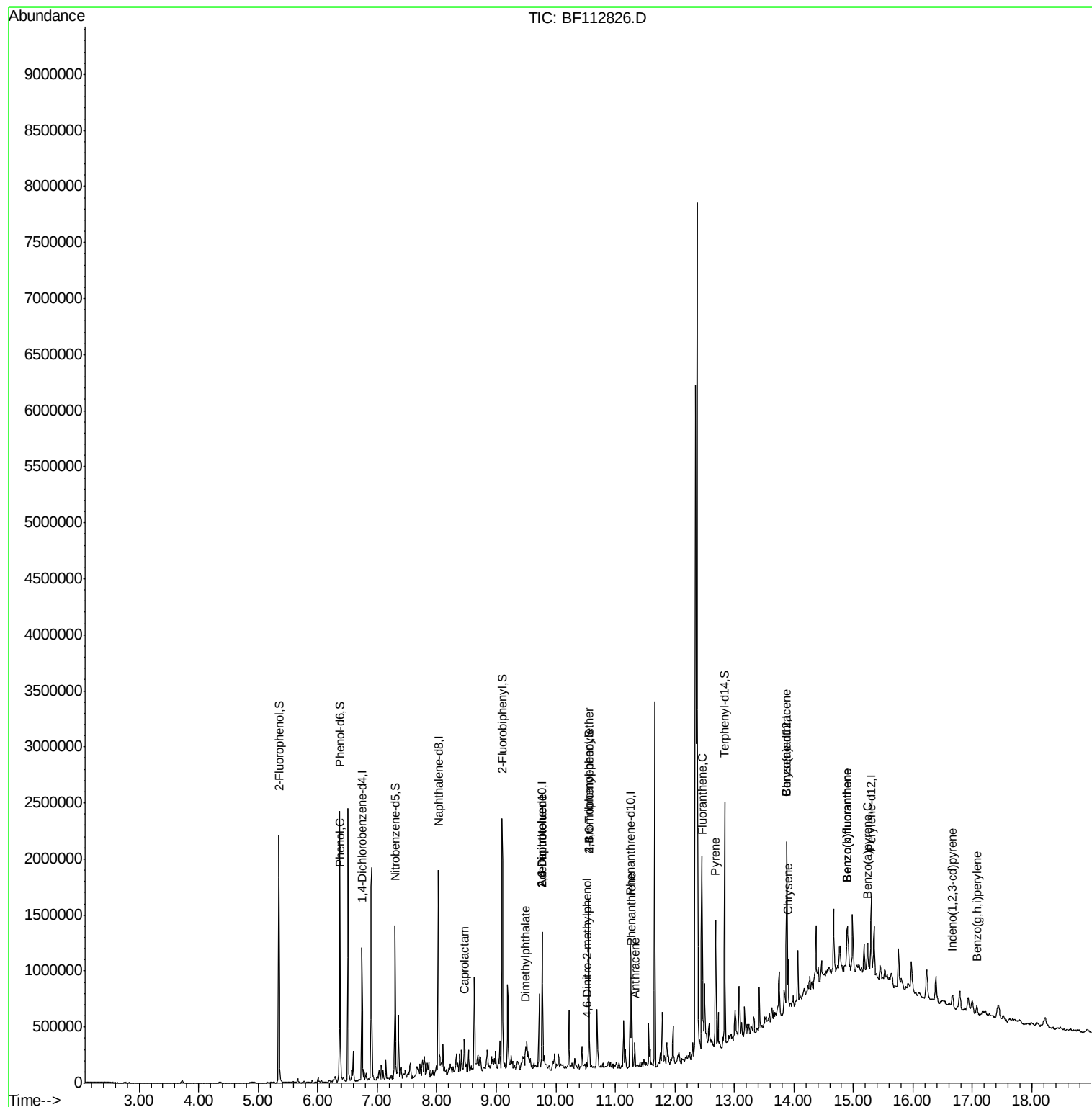
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	35994	2.417	ng	96
35) Caprolactam	8.46	113	5740	2.178	ng	# 1
50) Dimethylphthalate	9.49	163	53129	3.249	ng	# 98
51) 2,6-Dinitrotoluene	9.77	165	31976	9.389	ng	# 19
57) 2,4-Dinitrotoluene	9.77	165	31976	7.554	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.53	198	112	4.669	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	10583	2.280	ng	# 1
71) Phenanthrene	11.27	178	245904	11.215	ng	99
72) Anthracene	11.33	178	70423	3.068	ng	98
75) Fluoranthene	12.46	202	450797	19.190	ng	96
78) Pyrene	12.69	202	406781	11.068	ng	97
81) Benzo(a)anthracene	13.87	228	222671	7.369	ng	98
83) Chrysene	13.91	228	202107	6.829	ng	97
86) Indeno(1,2,3-cd)pyrene	16.66	276	73997	2.933	ng	# 93
88) Benzo(b)fluoranthene	14.90	252	275262	13.460	ng	94
89) Benzo(k)fluoranthene	14.90	252	275262	14.860	ng	# 94
90) Benzo(a)pyrene	15.24	252	130131	7.194	ng	97
92) Benzo(g,h,i)perylene	17.07	276	68993	4.451	ng	95

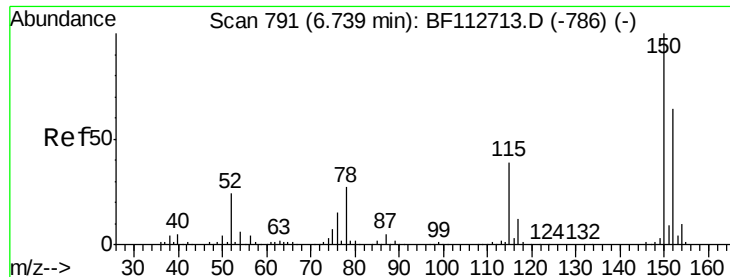
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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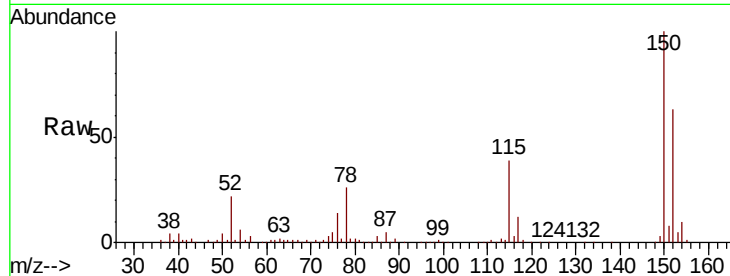


#1

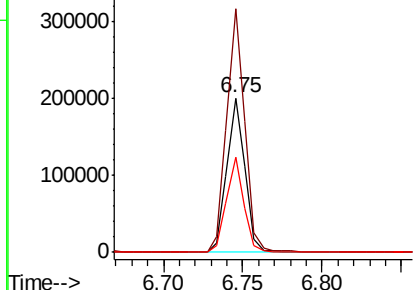
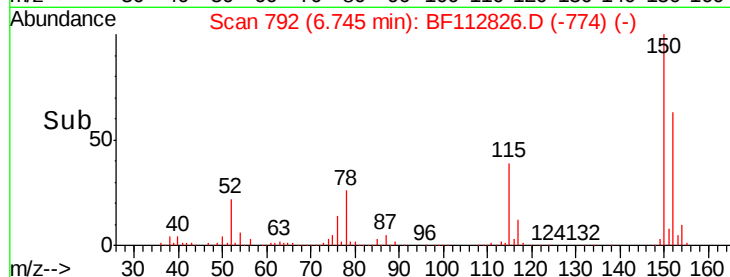
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

Tgt Ion:152 Resp: 158038
Ion Ratio Lower Upper
152 100
150 157.7 124.2 186.2
115 61.6 48.2 72.4



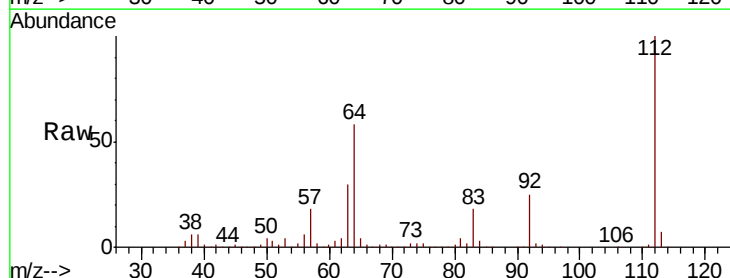
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



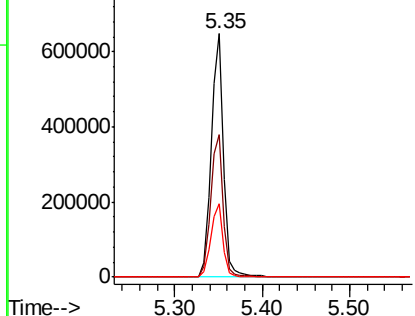
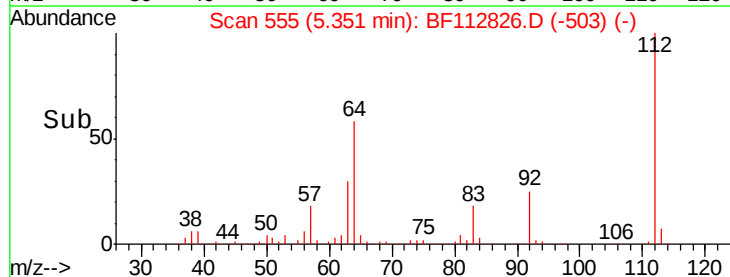
#5

2-Fluorophenol
Concen: 62.001 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Tgt Ion:112 Resp: 629905
Ion Ratio Lower Upper
112 100
64 58.5 47.6 71.4
63 30.2 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: 62.612 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-D

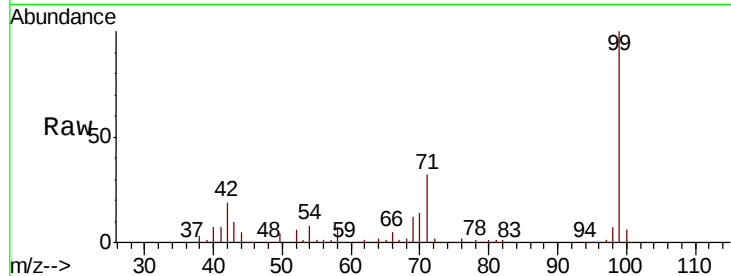
Tgt Ion: 99 Resp: 799071

Ion Ratio Lower Upper

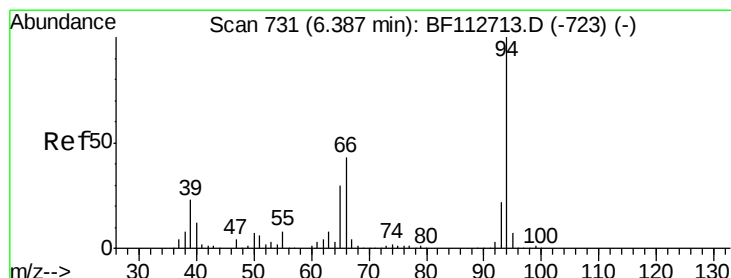
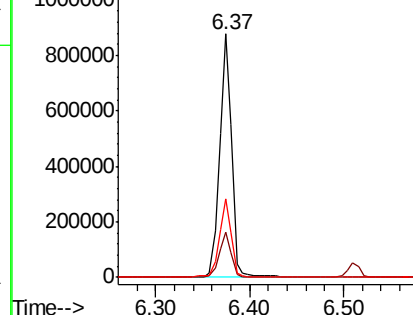
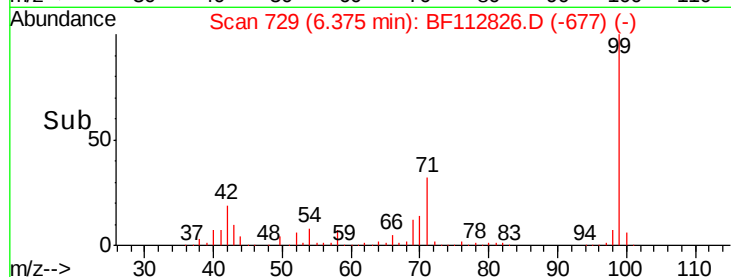
99 100

42 18.8 16.3 24.5

71 32.3 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: 2.417 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

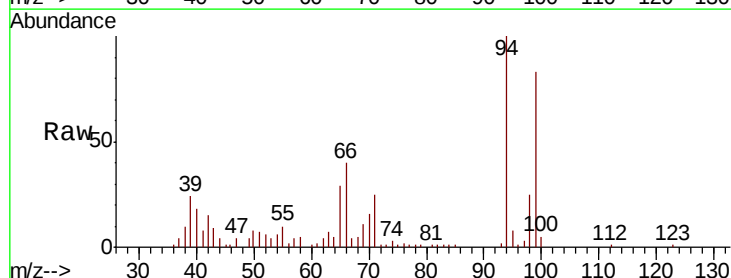
Tgt Ion: 94 Resp: 35994

Ion Ratio Lower Upper

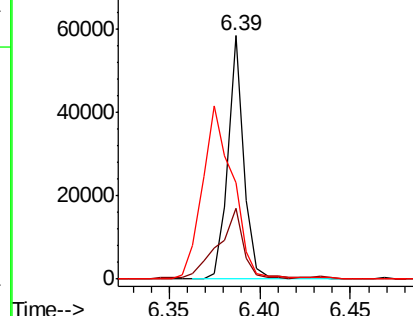
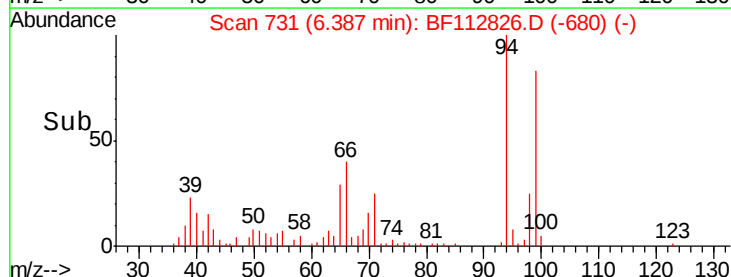
94 100

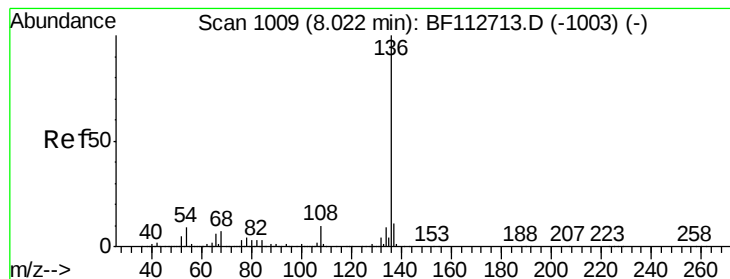
65 29.1 10.5 50.5

66 39.8 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-D

Tgt Ion: 136 Resp: 535604

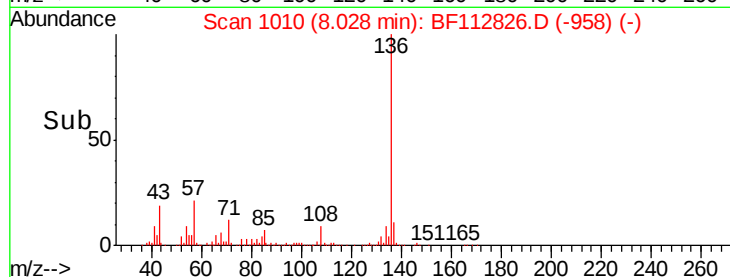
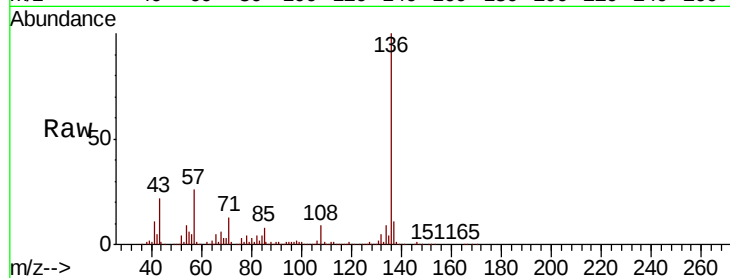
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.8 7.3 10.9

68 6.2 5.4 8.2



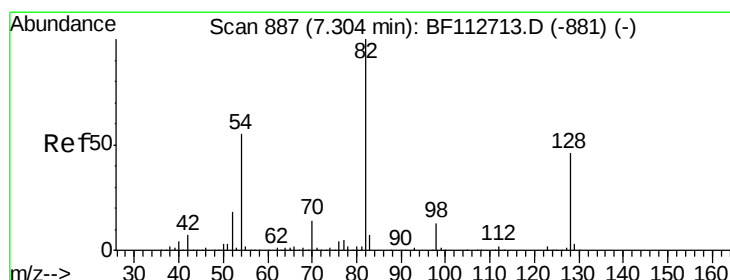
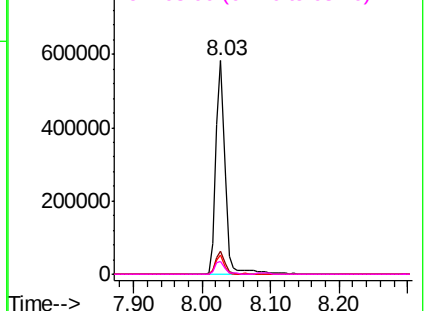
Abundance

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: 50.107 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

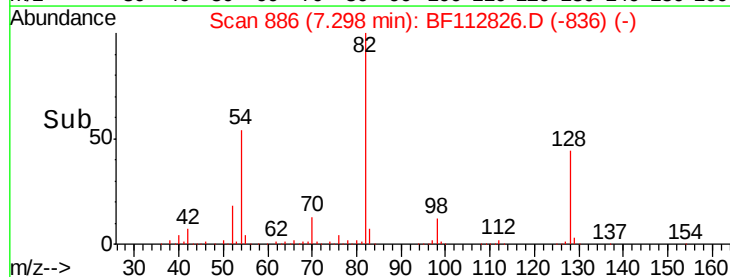
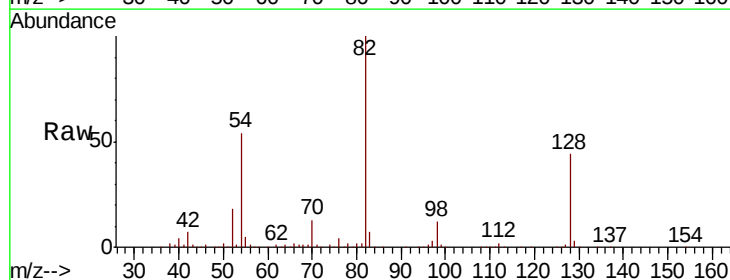
Tgt Ion: 82 Resp: 448499

Ion Ratio Lower Upper

82 100

128 43.6 36.3 54.5

54 54.5 43.7 65.5

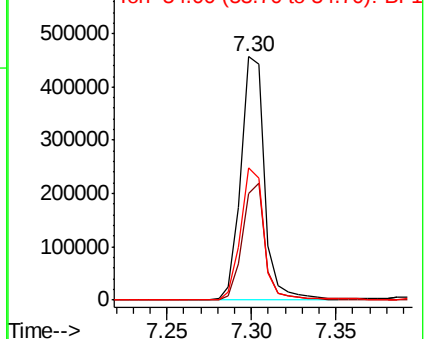


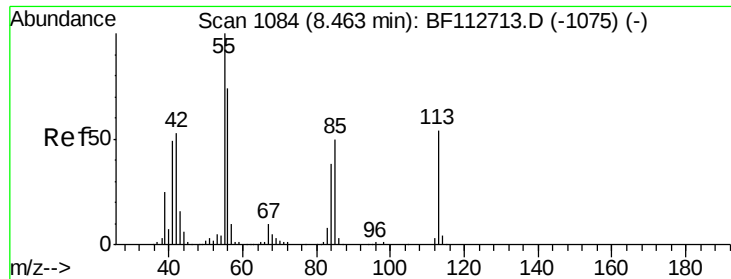
Abundance

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





#35

Caprolactam

Concen: 2.178 ng

RT: 8.46 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Instrument :

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ClientSampleId :

JC-03-030119-D

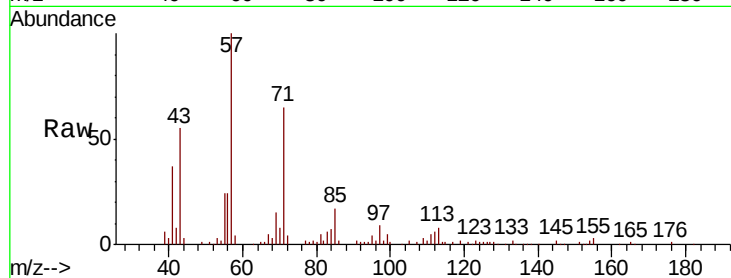
Tgt Ion:113 Resp: 5740

Ion Ratio Lower Upper

113 100

55 302.2 163.5 203.5#

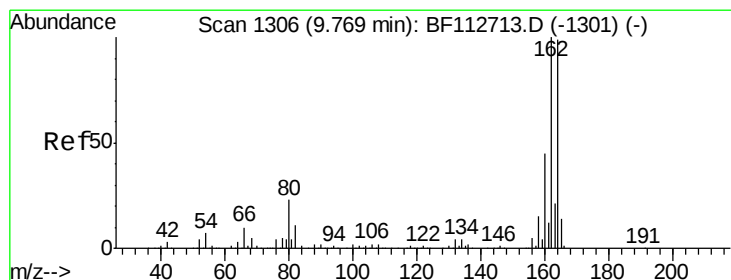
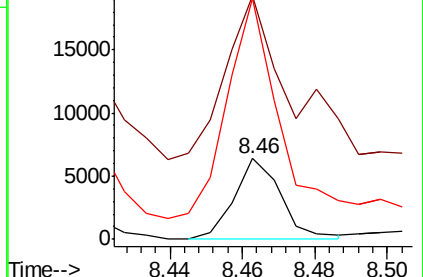
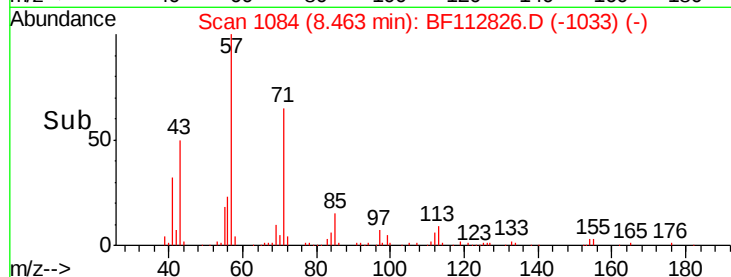
56 298.8 115.3 155.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

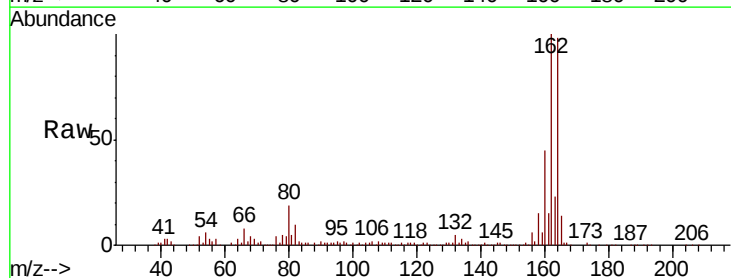
Tgt Ion:164 Resp: 221795

Ion Ratio Lower Upper

164 100

162 102.1 80.6 120.8

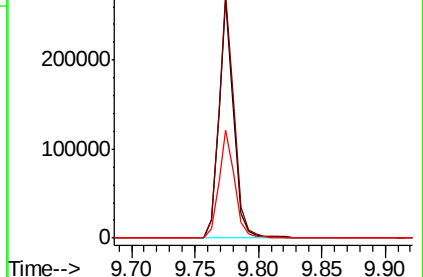
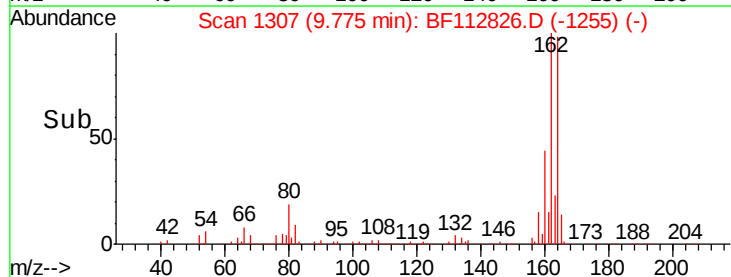
160 45.4 36.0 54.0



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

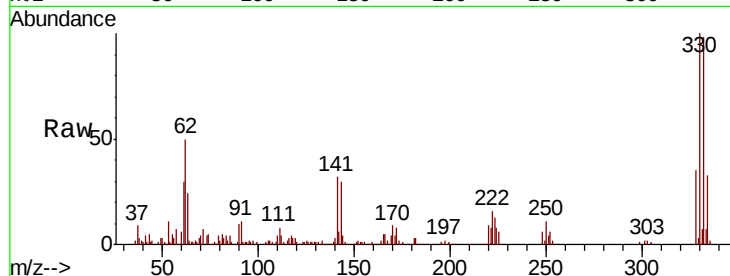




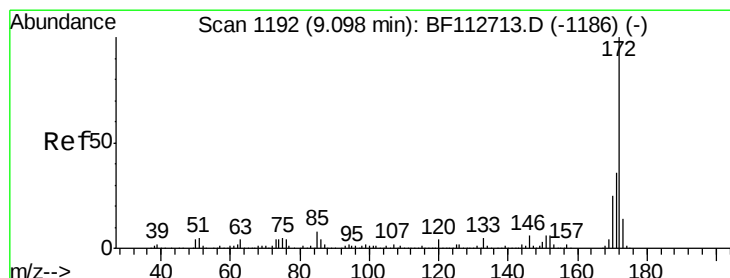
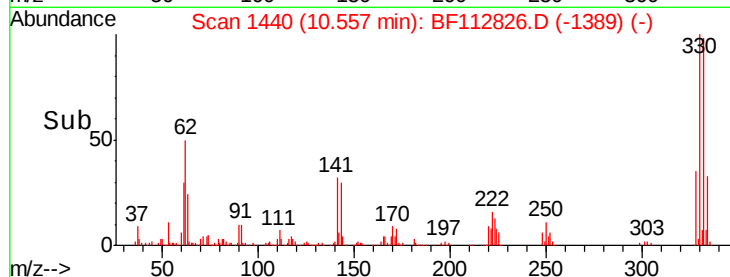
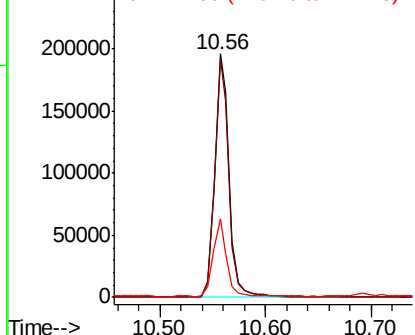
#42
 2,4,6-Tribromophenol
 Concen: 80.861 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112826.D
 Acq: 4 Mar 2019 16:06

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-D

Tgt Ion: 330 Resp: 190398
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.2 114.4
 141 29.0 27.0 40.6

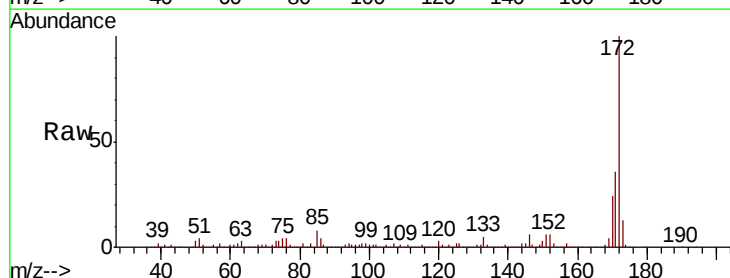


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

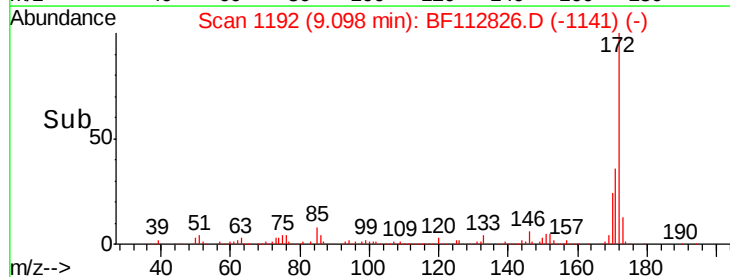
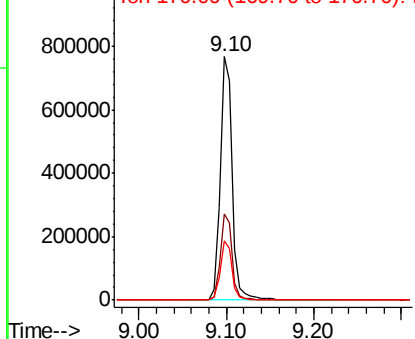


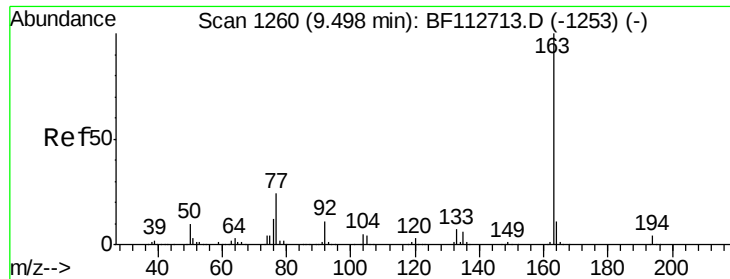
#45
 2-Fluorobiphenyl
 Concen: 48.470 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112826.D
 Acq: 4 Mar 2019 16:06

Tgt Ion: 172 Resp: 727441
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.0 43.4
 170 24.3 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

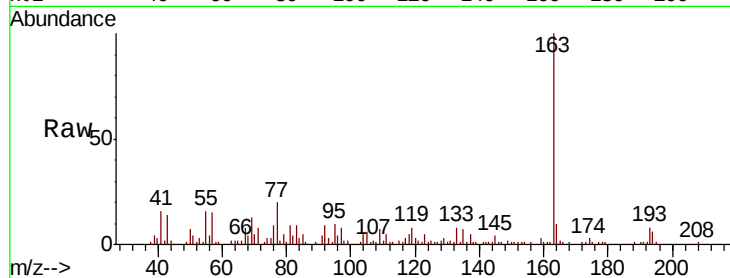




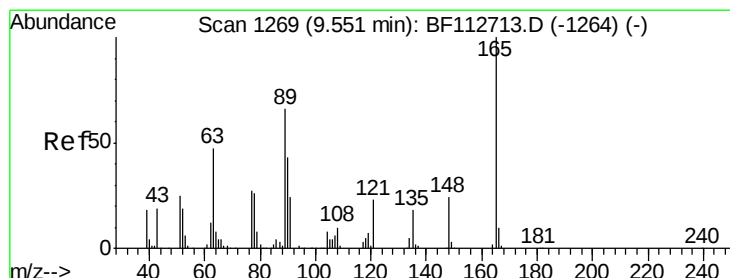
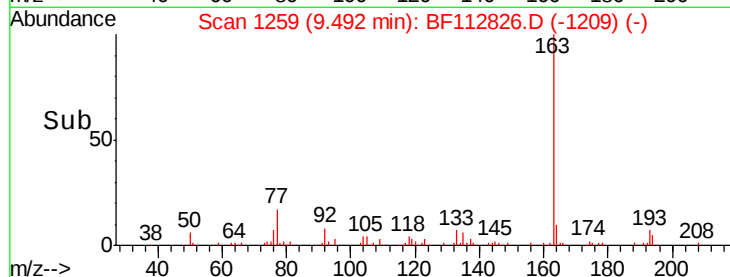
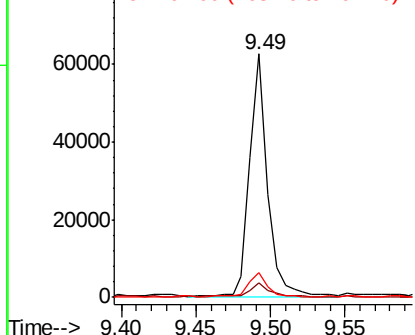
#50
Dimethylphthalate
Concen: 3.249 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

Tgt Ion:163 Resp: 53129
Ion Ratio Lower Upper
163 100
194 5.7 3.0 4.4#
164 10.2 8.4 12.6

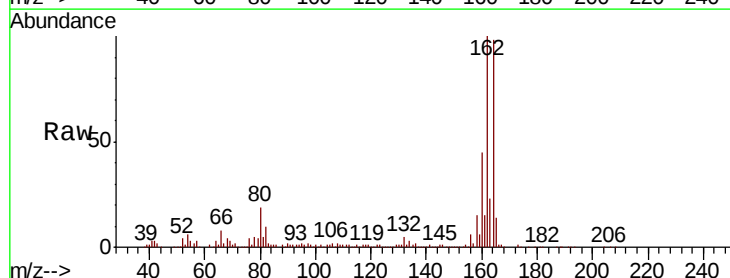


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

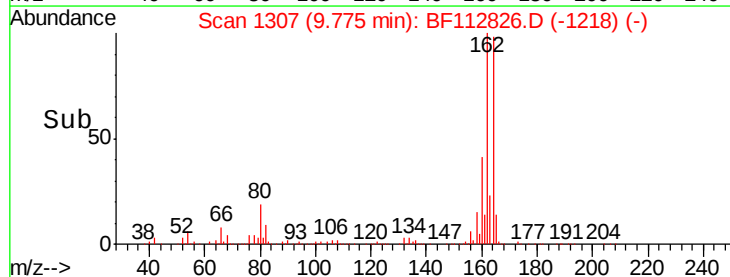
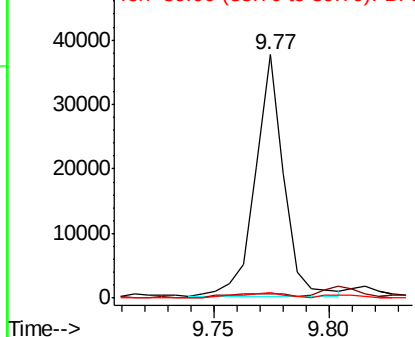


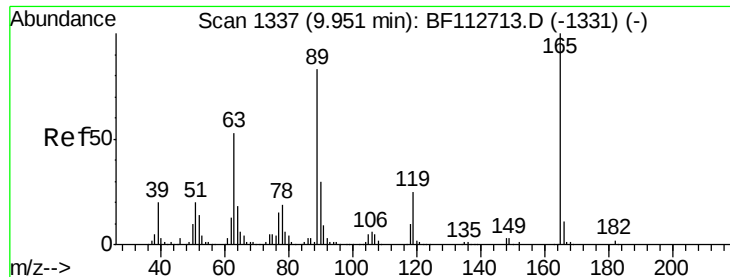
#51
2,6-Dinitrotoluene
Concen: 9.389 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.22 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Tgt Ion:165 Resp: 31976
Ion Ratio Lower Upper
165 100
63 1.8 54.1 81.1#
89 2.4 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

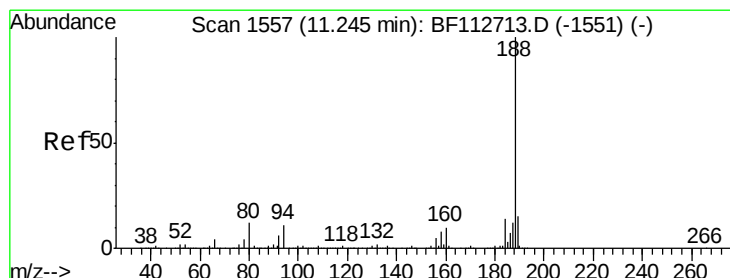
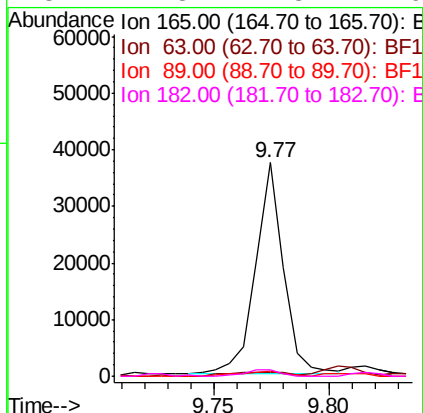
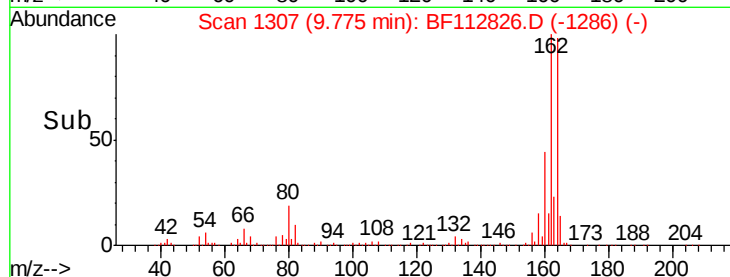
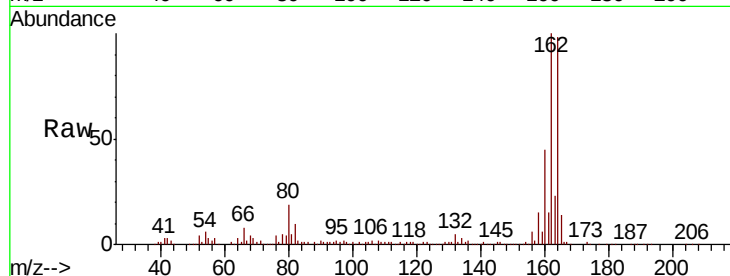




#57
 2,4-Dinitrotoluene
 Concen: 7.554 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.18 min
 Lab File: BF112826.D
 Acq: 4 Mar 2019 16:06

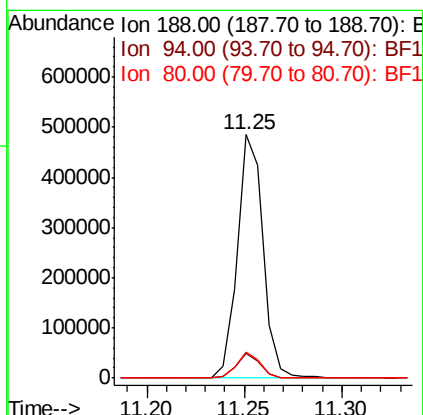
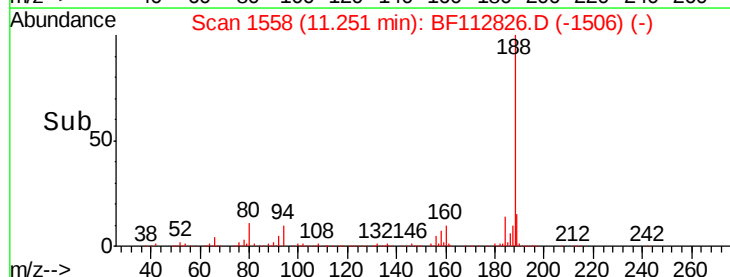
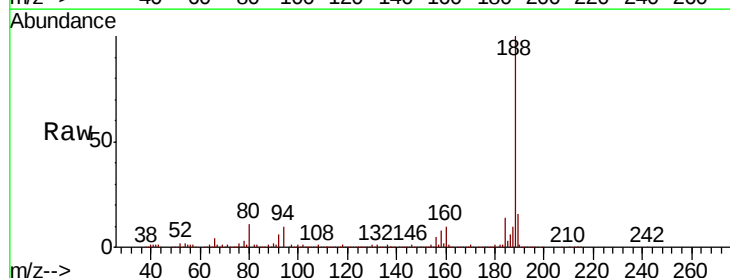
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-D

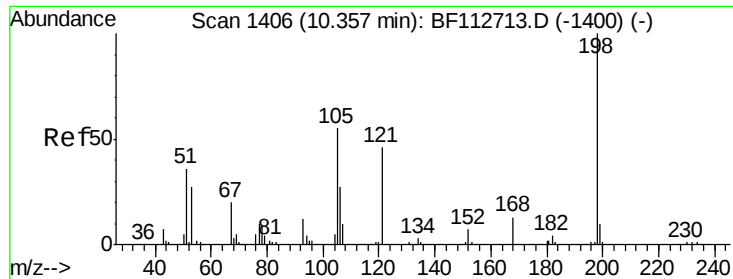
Tgt Ion:	165	Resp:	31976
Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.2	63.2#
89	2.4	66.2	99.4#
182	2.8	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF112826.D
 Acq: 4 Mar 2019 16:06

Tgt Ion:	188	Resp:	440688
Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.0	13.4
80	10.9	9.2	13.8

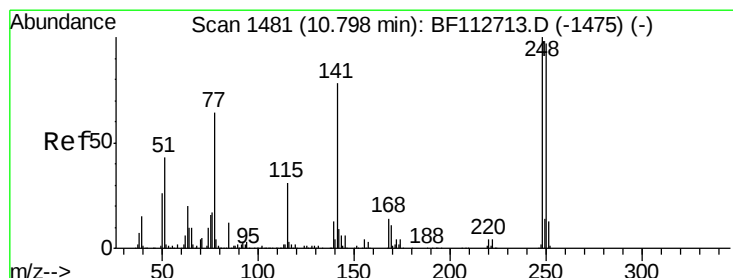
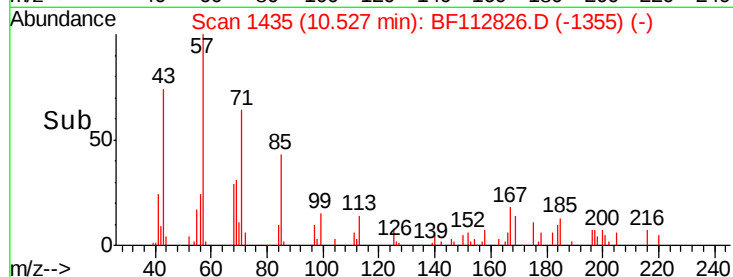
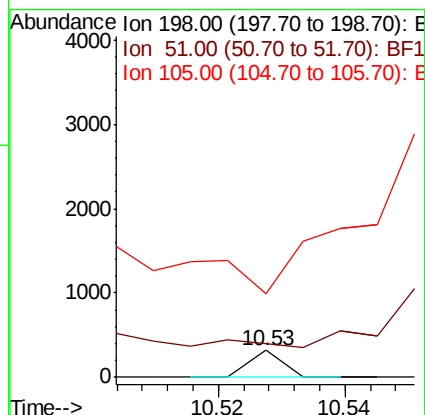
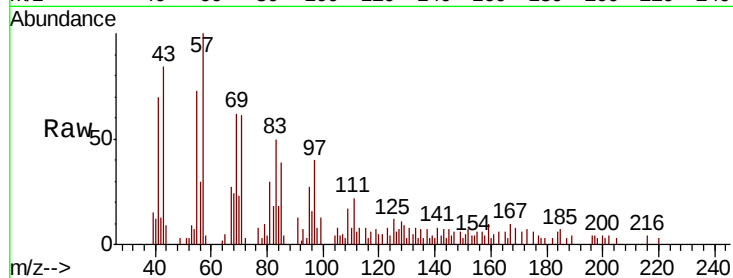




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.669 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.17 min
 Lab File: BF112826.D
 Acq: 4 Mar 2019 16:06

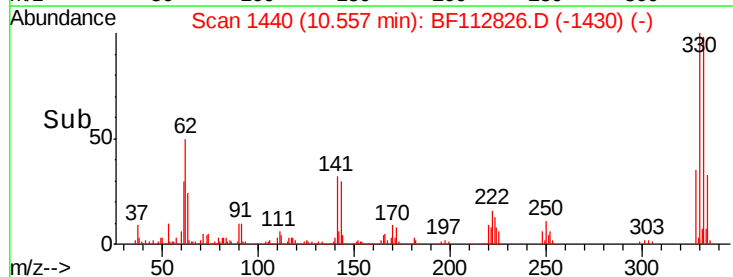
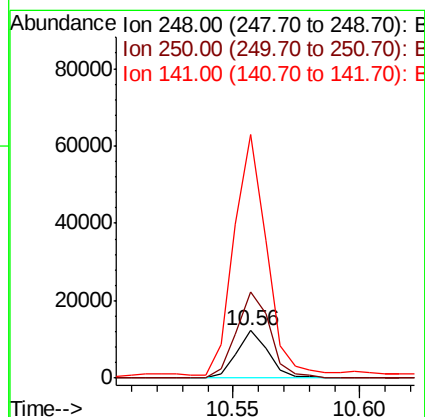
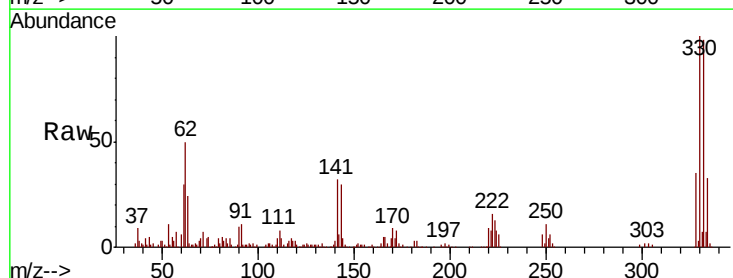
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-030119-D

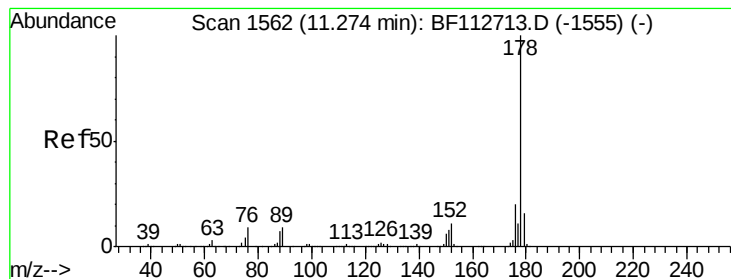
Tgt Ion:198 Resp: 112
 Ion Ratio Lower Upper
 198 100
 51 124.7 43.8 83.8#
 105 312.3 36.5 76.5#



#67
 4-Bromophenyl-phenylether
 Concen: 2.280 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112826.D
 Acq: 4 Mar 2019 16:06

Tgt Ion:248 Resp: 10583
 Ion Ratio Lower Upper
 248 100
 250 180.0 77.5 116.3#
 141 511.5 62.4 93.6#





#71

Phenanthrene

Concen: 11.215 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-D

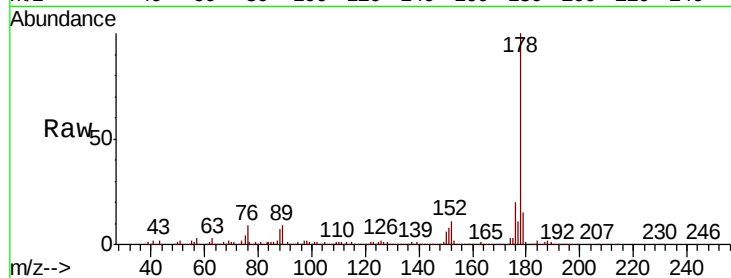
Tgt Ion:178 Resp: 245904

Ion Ratio Lower Upper

178 100

176 19.9 16.3 24.5

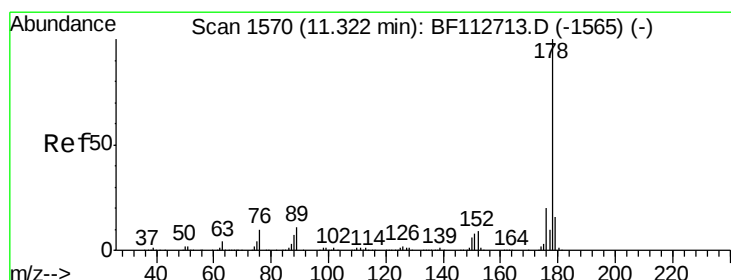
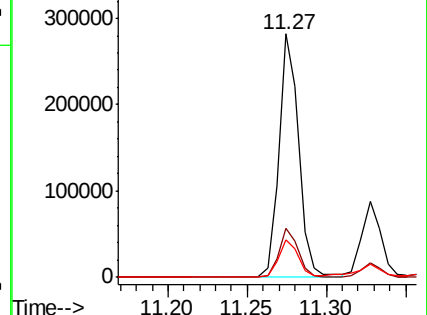
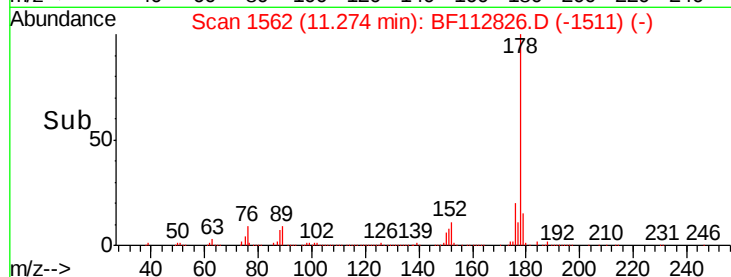
179 15.4 12.7 19.1



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: 3.068 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

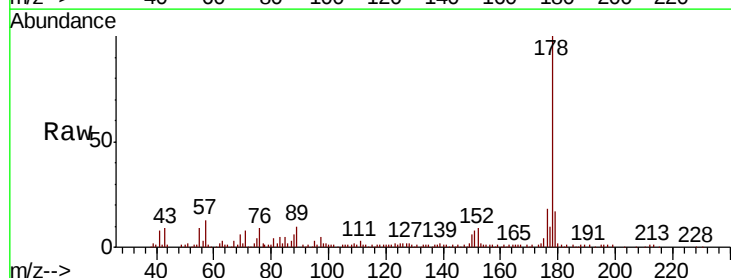
Tgt Ion:178 Resp: 70423

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.6

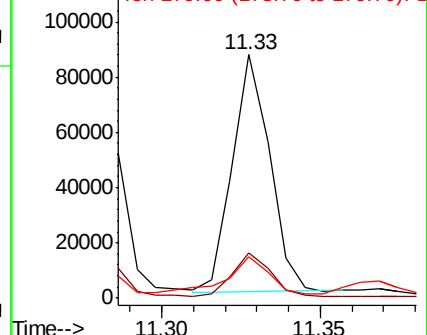
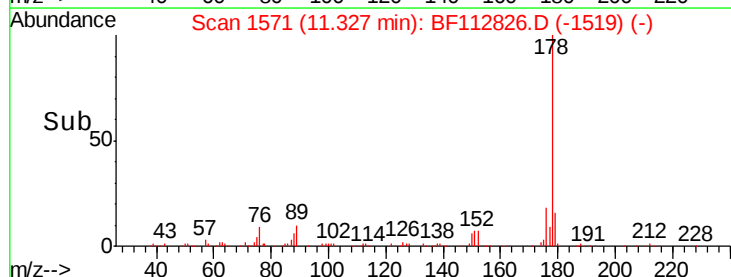
179 16.9 13.0 19.6

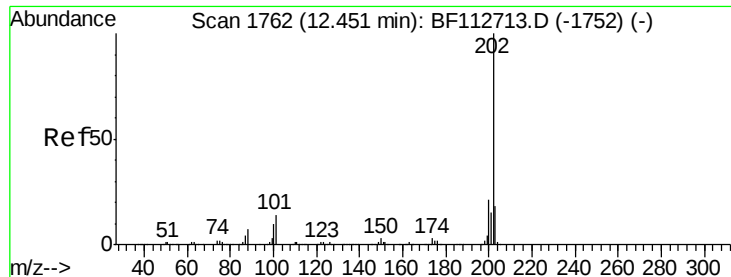


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 19.190 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-D

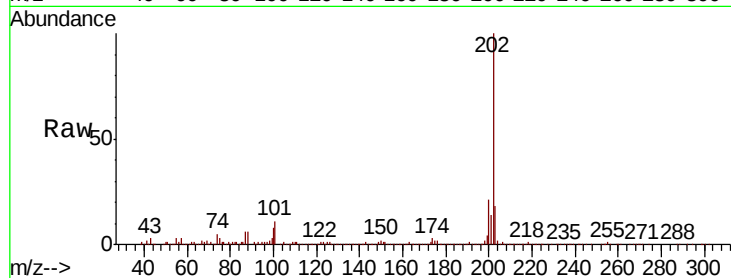
Tgt Ion:202 Resp: 450797

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.8

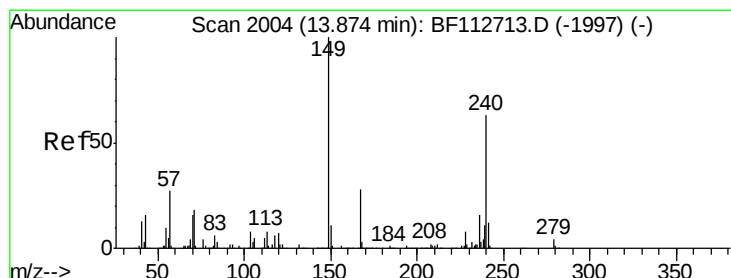
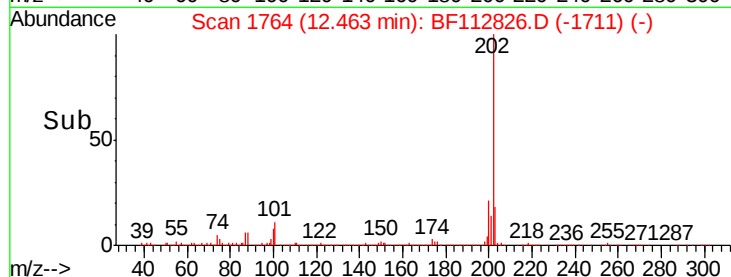
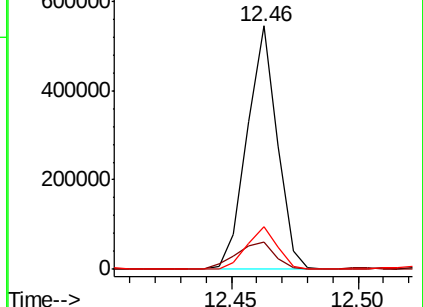
203 17.7 0.0 38.4



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: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

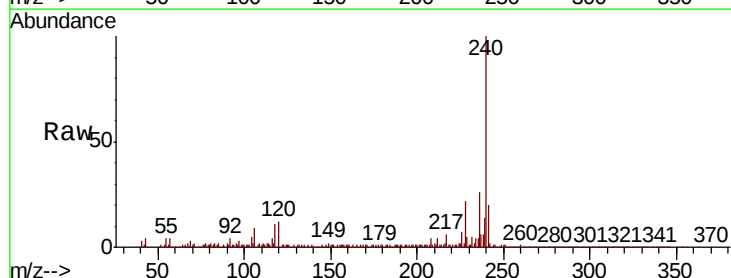
Tgt Ion:240 Resp: 435976

Ion Ratio Lower Upper

240 100

120 12.2 8.9 13.3

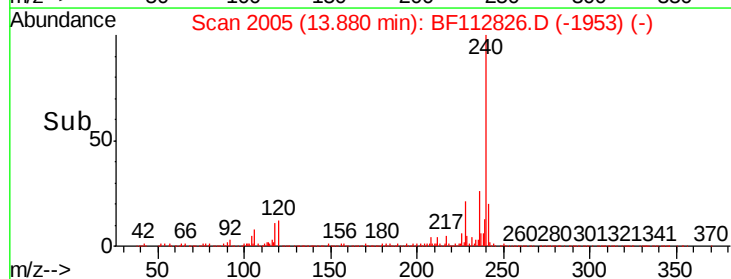
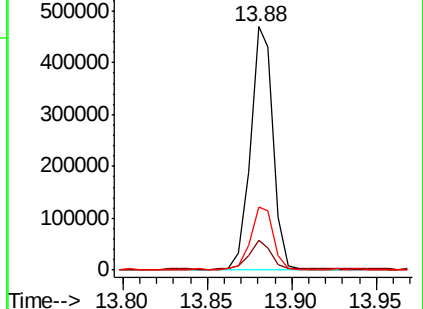
236 26.2 20.7 31.1

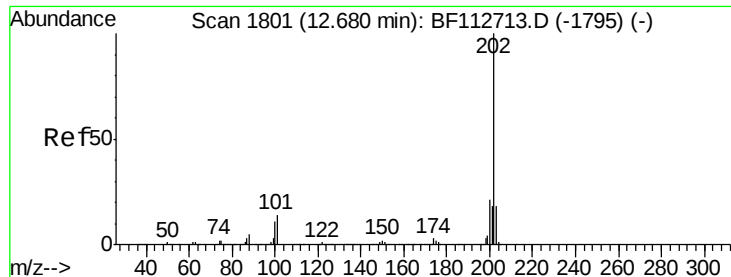


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 11.068 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-D

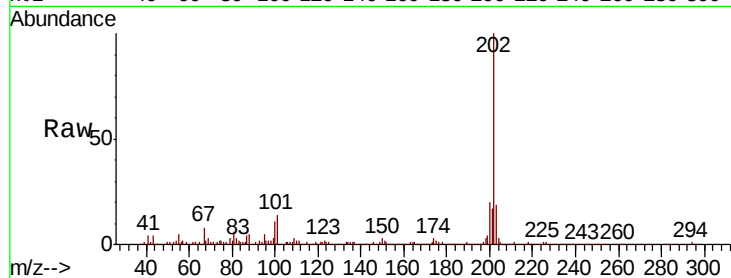
Tgt Ion:202 Resp: 406781

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.4

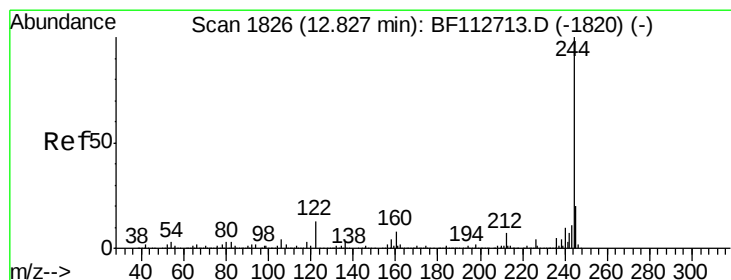
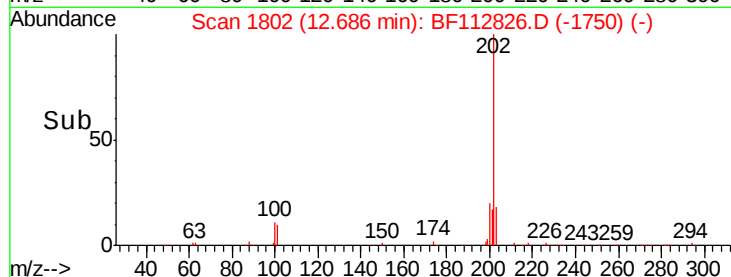
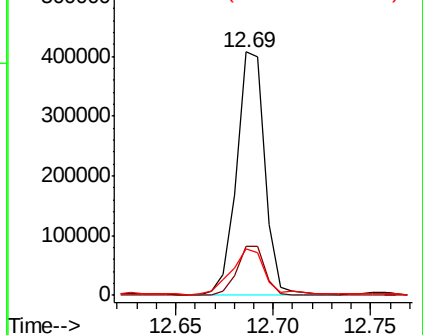
203 19.0 14.4 21.6



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: 35.365 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

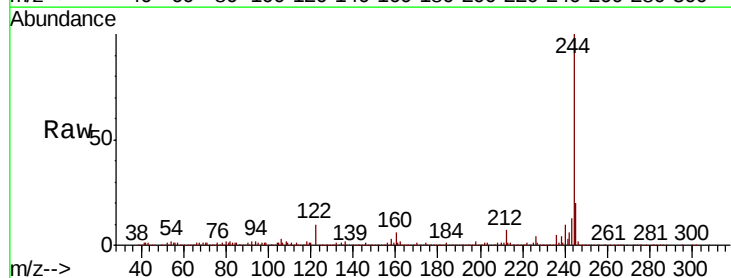
Tgt Ion:244 Resp: 795372

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

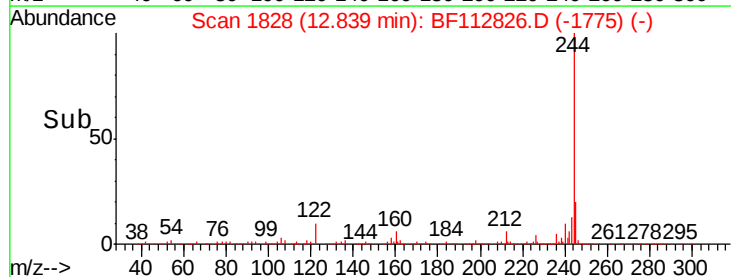
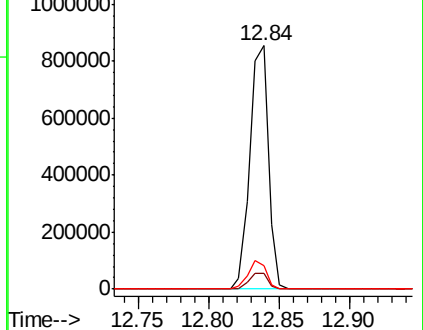
122 9.7 10.5 15.7#

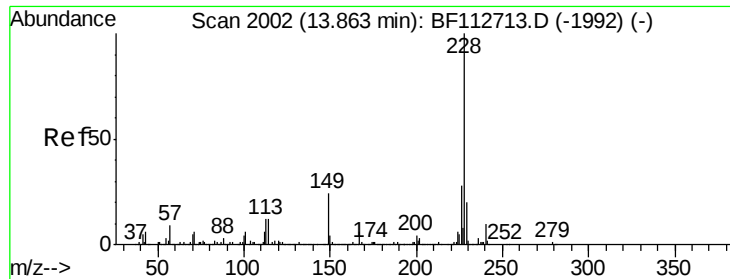


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

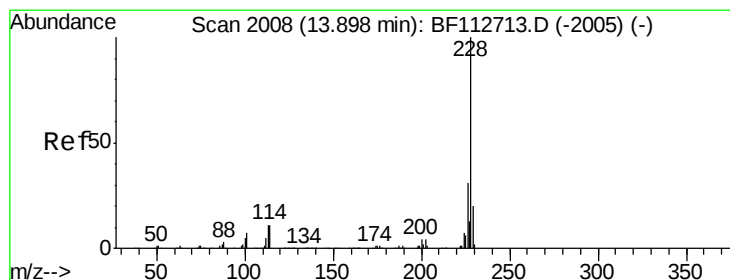
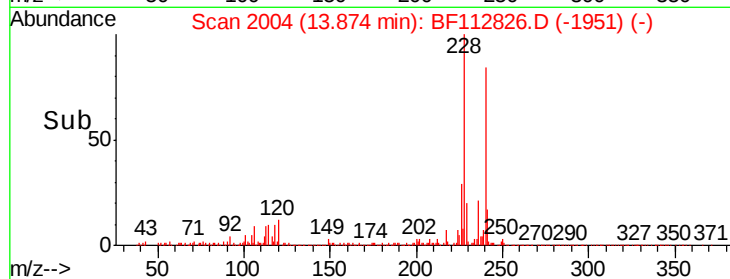
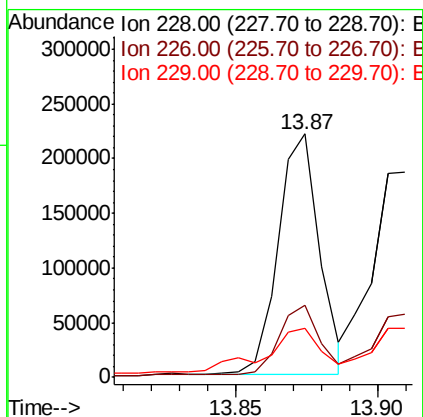
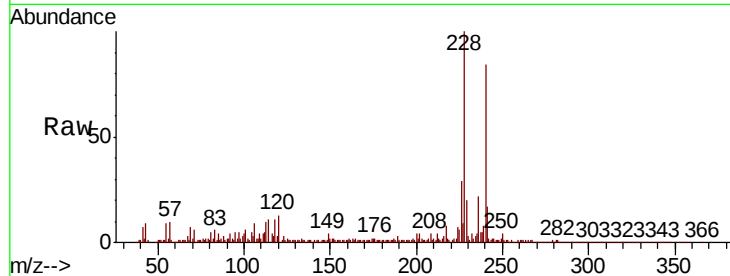




#81
Benzo(a)anthracene
Concen: 7.369 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

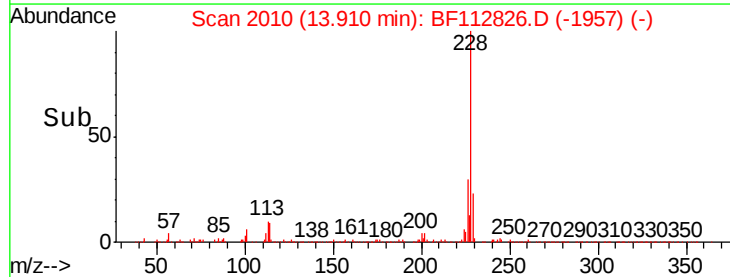
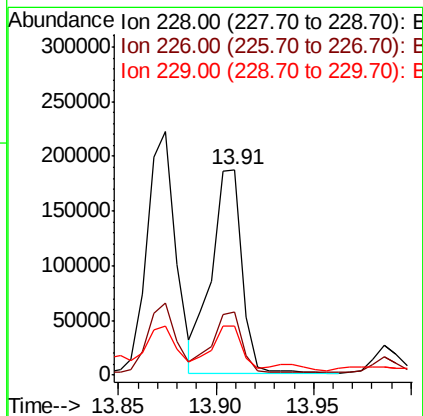
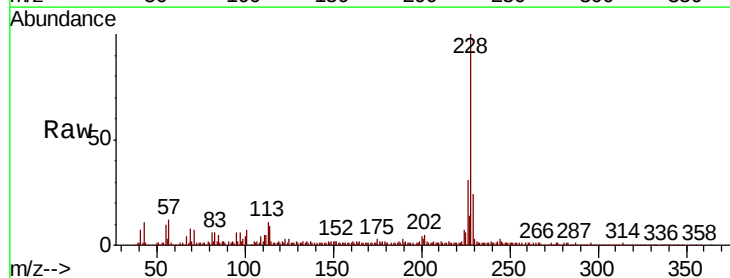
Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

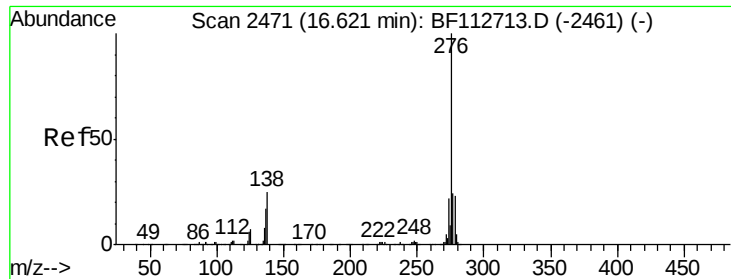
Tgt Ion:228 Resp: 222671
Ion Ratio Lower Upper
228 100
226 29.4 22.2 33.4
229 20.3 16.0 24.0



#83
Chrysene
Concen: 6.829 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Tgt Ion:228 Resp: 202107
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 24.0 16.3 24.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.933 ng

RT: 16.66 min Scan# 2478

Delta R.T. 0.04 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Instrument :

BNA_F

ClientSampleId :

JC-03-030119-D

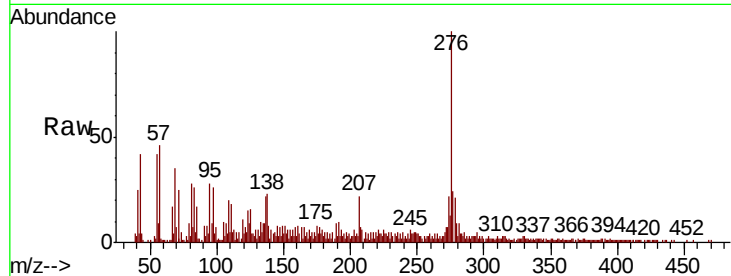
Tgt Ion:276 Resp: 73997

Ion Ratio Lower Upper

276 100

138 23.0 23.2 34.8#

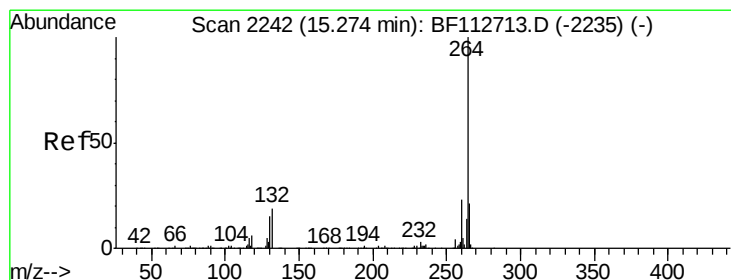
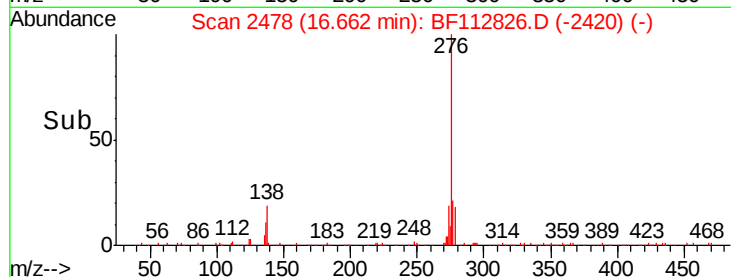
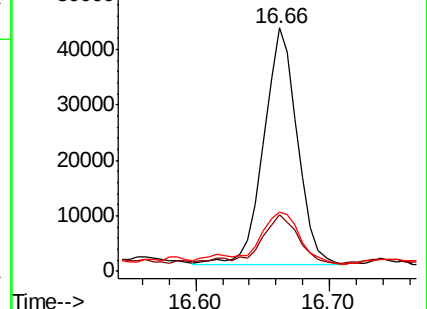
277 26.3 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.02 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

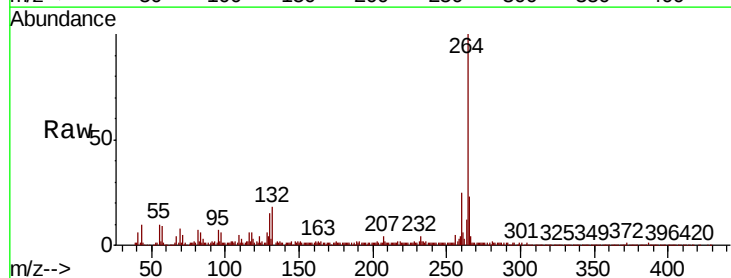
Tgt Ion:264 Resp: 316163

Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

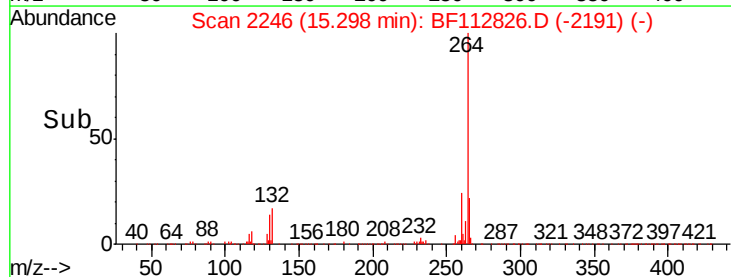
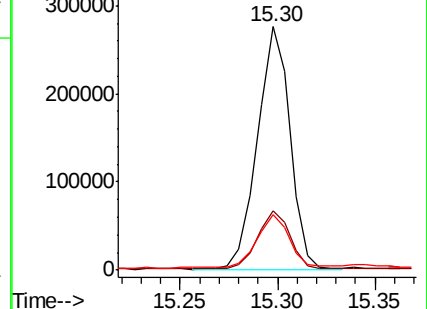
265 22.9 17.2 25.8

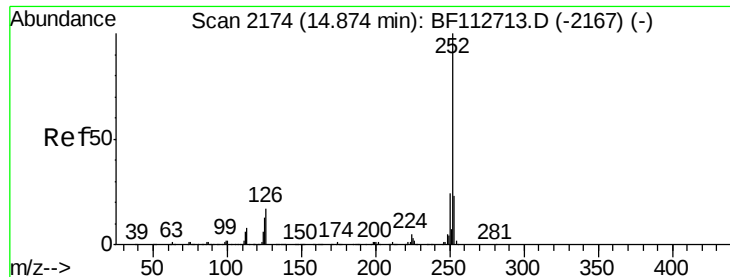


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

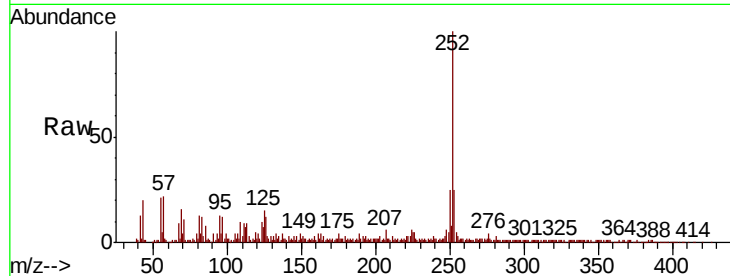




#88
Benzo(b)fluoranthene
Concen: 13.460 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Instrument :
BNA_F
ClientSampleId :
JC-03-030119-D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	14.9	10.2	15.2

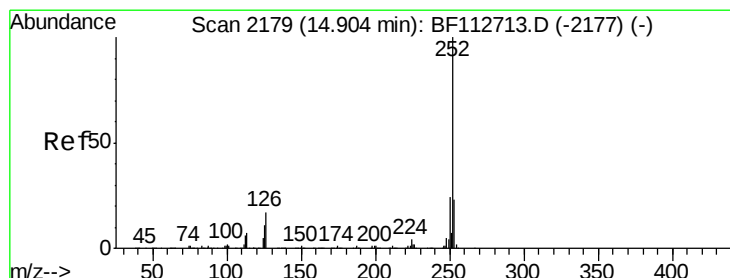
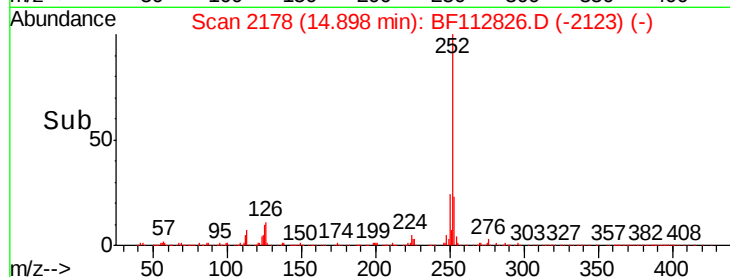
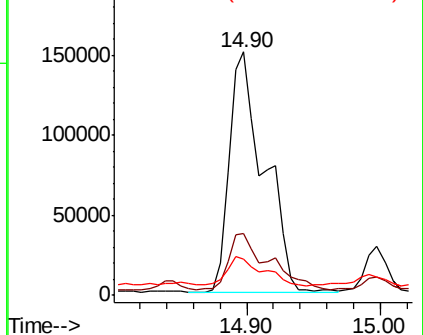


Abundance

Ion 252.00 (251.70 to 252.70): E

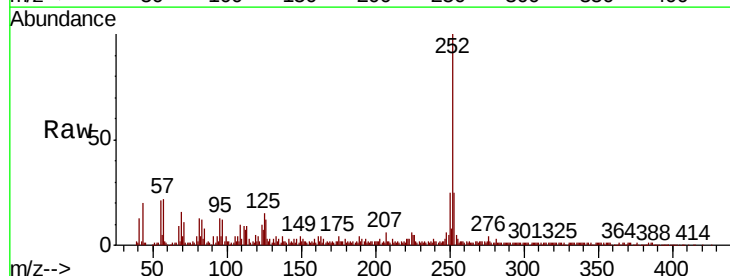
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 14.860 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF112826.D
Acq: 4 Mar 2019 16:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.2	27.2
125	14.9	9.8	14.6#

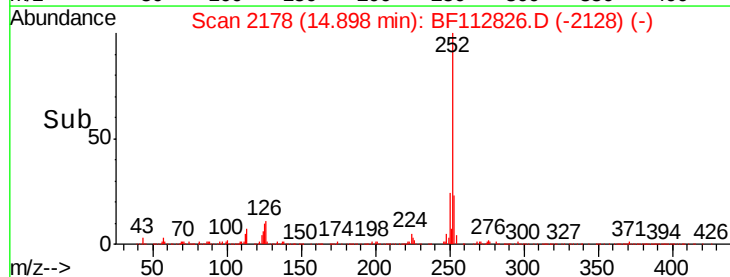
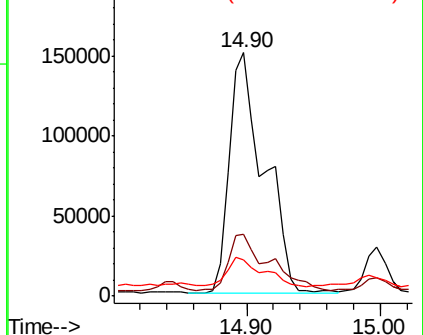


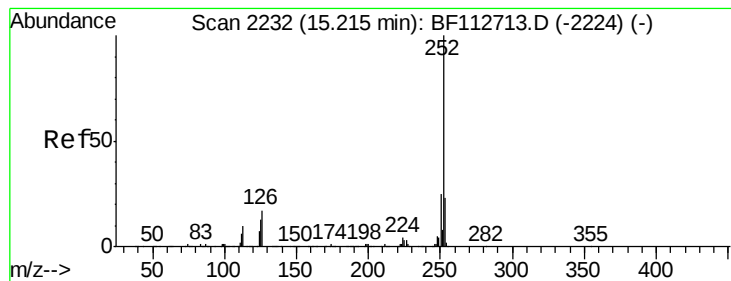
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.194 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.02 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

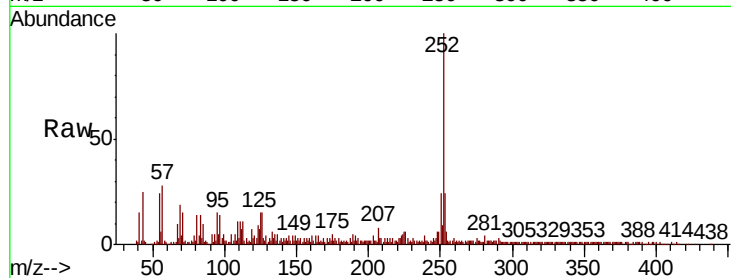
Instrument :

BNA_F

ClientSampleId :

JC-03-030119-D

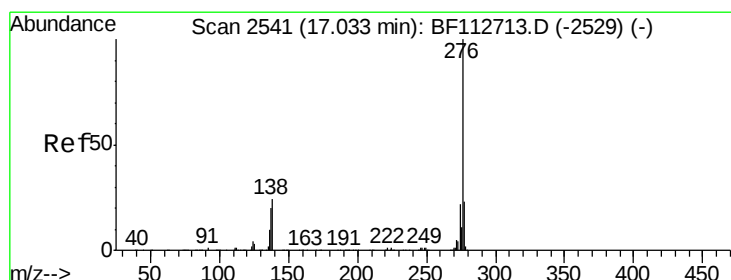
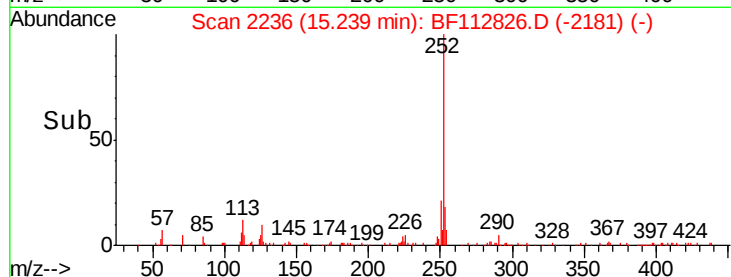
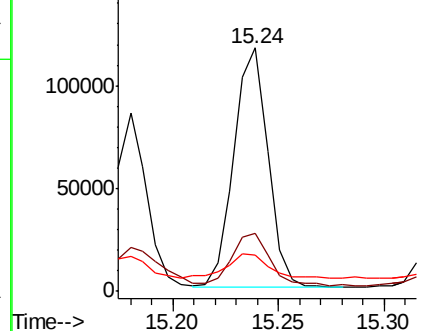
Tgt Ion:	252	Resp:	130131
Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	14.8	10.7	16.1



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: 4.451 ng

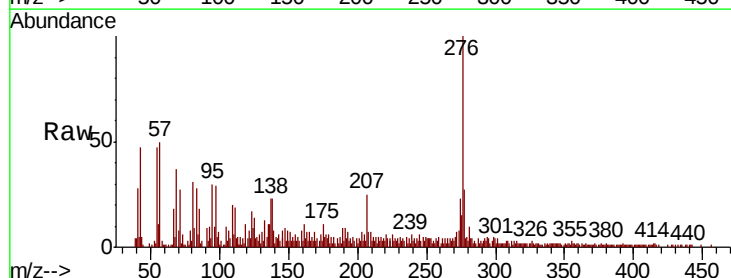
RT: 17.07 min Scan# 2548

Delta R.T. 0.04 min

Lab File: BF112826.D

Acq: 4 Mar 2019 16:06

Tgt Ion:	276	Resp:	68993
Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.6	27.8
138	23.5	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

