

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112878.D
 Acq On : 6 Mar 2019 3:24
 Operator : JU/SJ
 Sample : K1705-16
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B101-022719

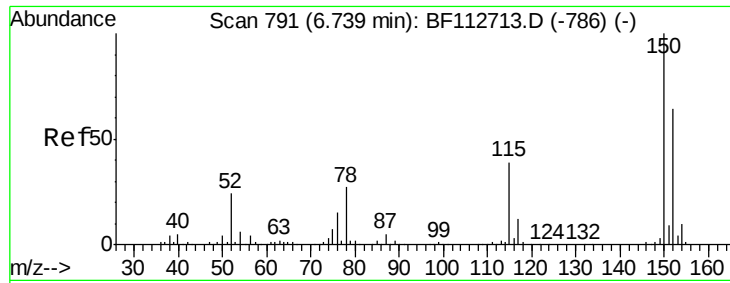
Quant Time: Mar 06 04:17:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	159379	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	577240	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	249489	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	477079	20.00	ng	0.00
76) Chrysene-d12	13.87	240	454576	20.00	ng	0.00
87) Perylene-d12	15.29	264	305564	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	900391	87.88	ng	0.00
7) Phenol-d6	6.37	99	1180355	91.71	ng	0.00
23) Nitrobenzene-d5	7.30	82	696174	72.17	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	301294	113.75	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1130849	72.17	ng	0.00
79) Terphenyl-d14	12.83	244	1073325	45.77	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.45	93	192856	10.886	ng	# 49
19) n-Nitroso-di-n-propylamine	7.30	70	92239	11.316	ng	# 78
25) Isophorone	7.30	82	673426	32.404	ng	# 66
50) Dimethylphthalate	9.49	163	94476	5.136	ng	# 99
65) 4,6-Dinitro-2-methylphenol	10.56	198	399	4.797	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	17077	3.398	ng	# 1
71) Phenanthrene	11.27	178	82181	3.462	ng	96
75) Fluoranthene	12.46	202	115625	4.547	ng	95
78) Pyrene	12.68	202	109418	2.855	ng	98
88) Benzo(b)fluoranthene	14.89	252	59557	3.013	ng	95
89) Benzo(k)fluoranthene	14.89	252	59557	3.327	ng	95

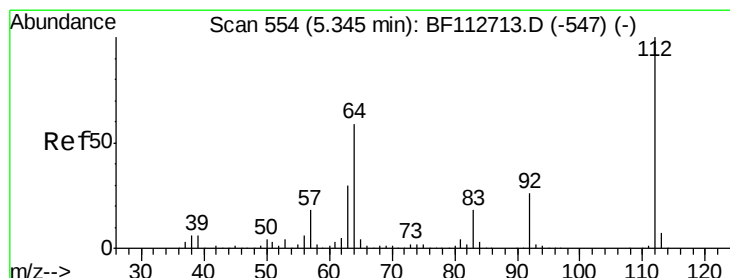
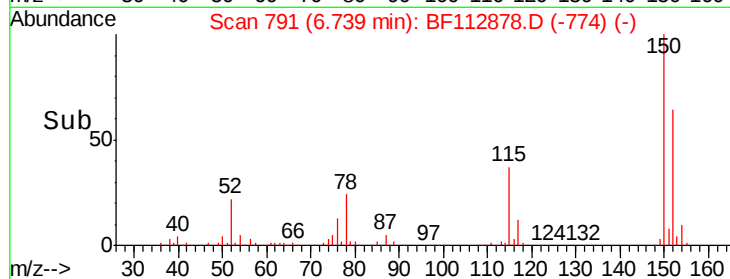
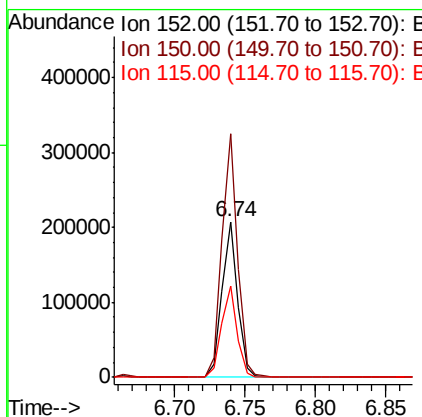
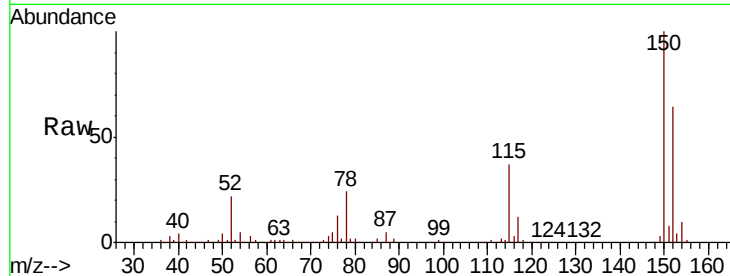
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF112878.D
 Acq: 6 Mar 2019 3:24

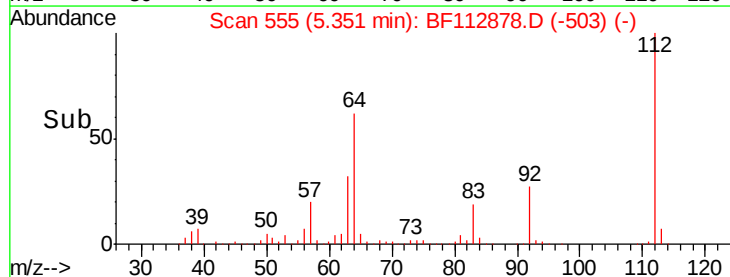
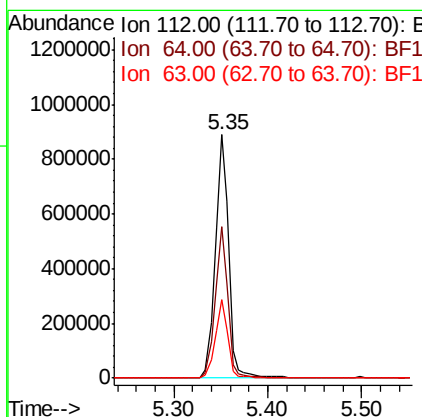
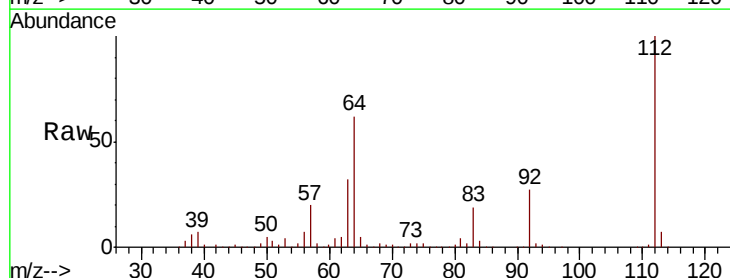
Instrument :
 BNA_F
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 PST-028-B101-022719

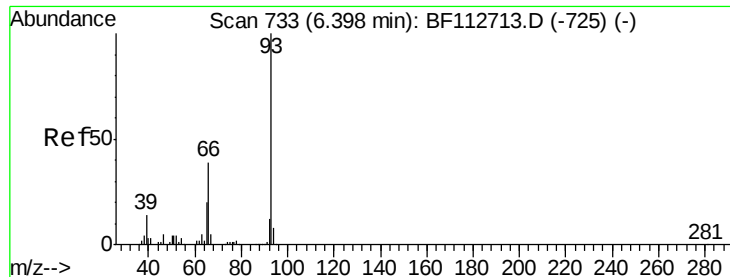
Tgt Ion:152 Resp: 159379
 Ion Ratio Lower Upper
 152 100
 150 156.5 124.2 186.2
 115 58.5 48.2 72.4



#5
 2-Fluorophenol
 Concen: 87.878 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF112878.D
 Acq: 6 Mar 2019 3:24

Tgt Ion:112 Resp: 900391
 Ion Ratio Lower Upper
 112 100
 64 62.1 47.6 71.4
 63 32.0 24.4 36.6





#6

Aniline

Concen: 10.886 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.05 min

Lab File: BF112878.D

Acq: 6 Mar 2019 3:24

Instrument :

BNA_F

ClientSampleId :

PST-028-B101-022719

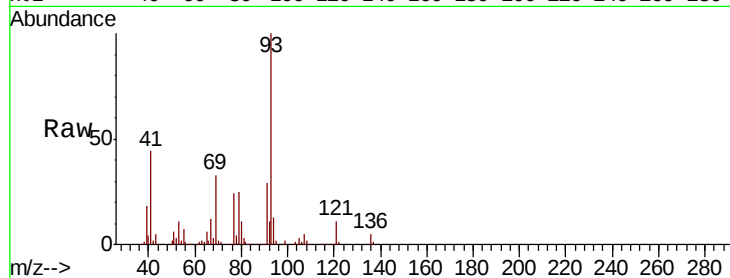
Tgt Ion: 93 Resp: 192856

Ion Ratio Lower Upper

93 100

66 2.4 32.2 48.2#

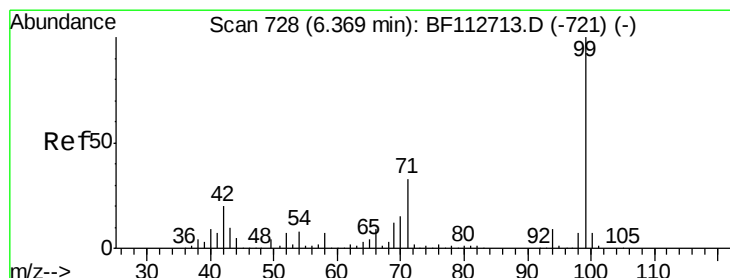
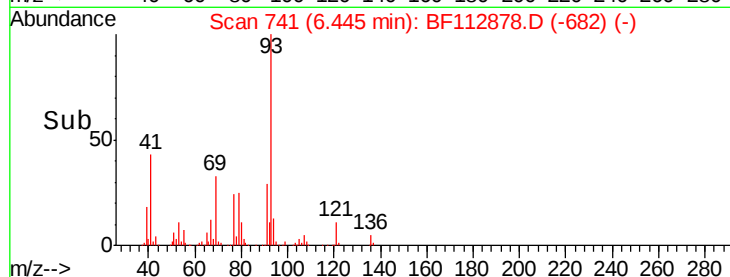
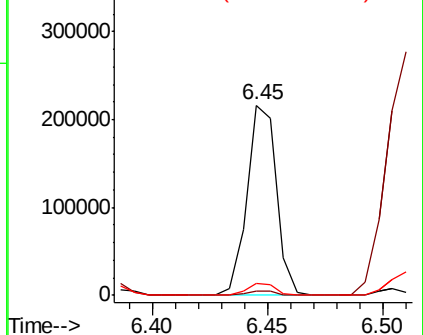
65 6.1 16.2 24.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 91.710 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112878.D

Acq: 6 Mar 2019 3:24

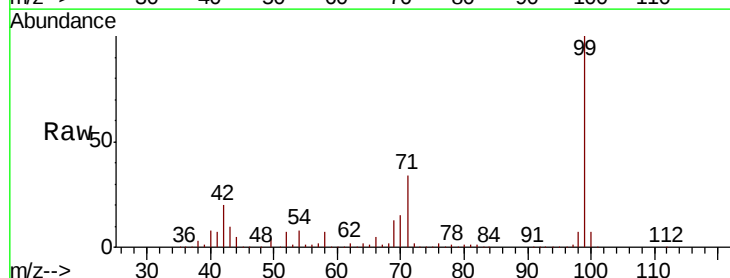
Tgt Ion: 99 Resp: 1180355

Ion Ratio Lower Upper

99 100

42 19.9 16.3 24.5

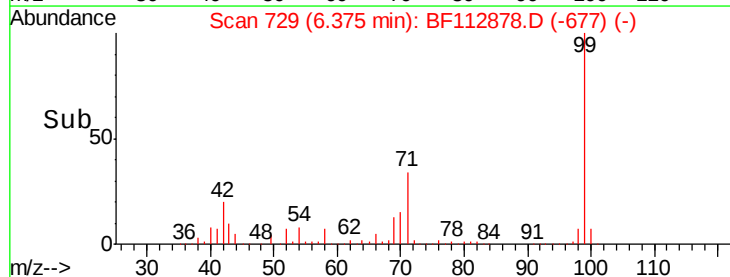
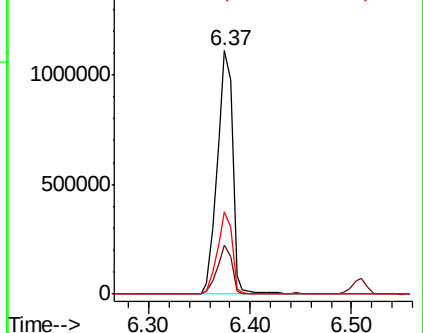
71 33.6 26.2 39.4

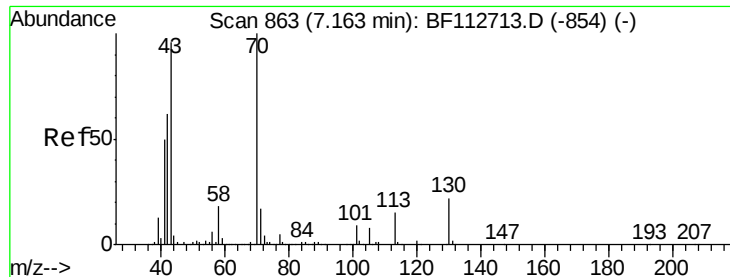


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

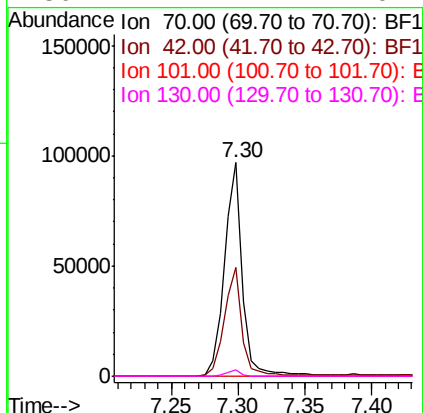
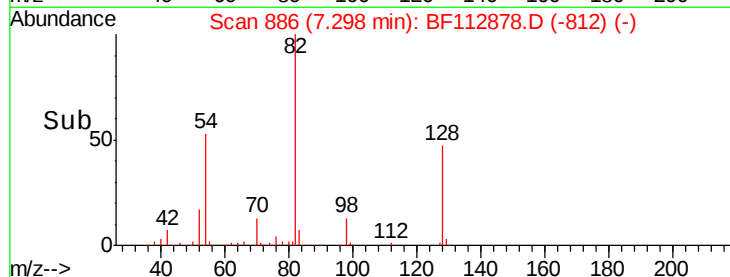
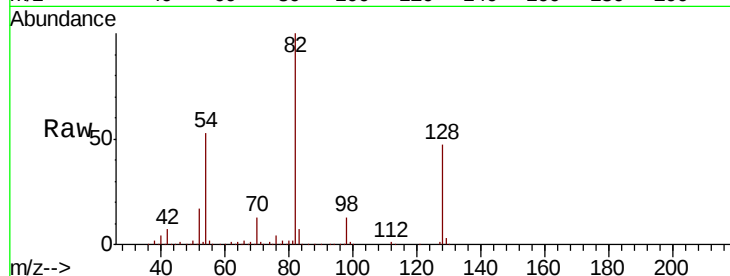




#19
n-Nitroso-di-n-propylamine
Concen: 11.316 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF112878.D
Acq: 6 Mar 2019 3:24

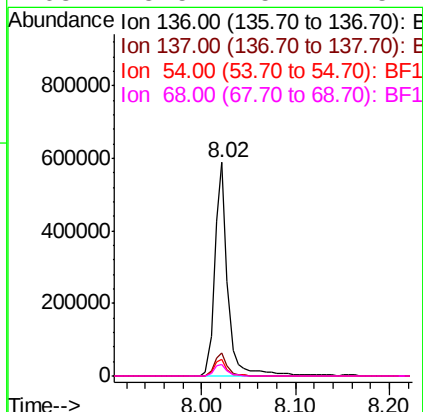
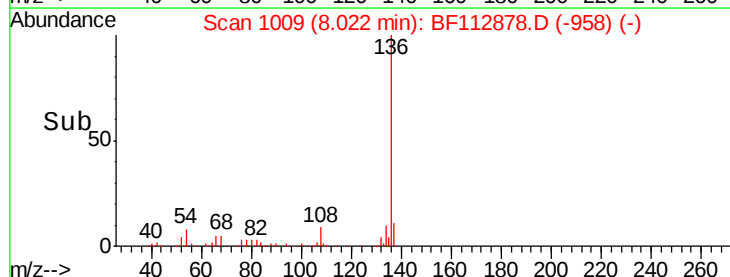
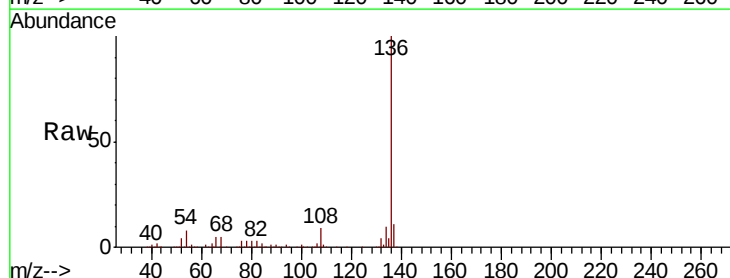
Instrument :
BNA_F
ClientSampleId :
PST-028-B101-022719

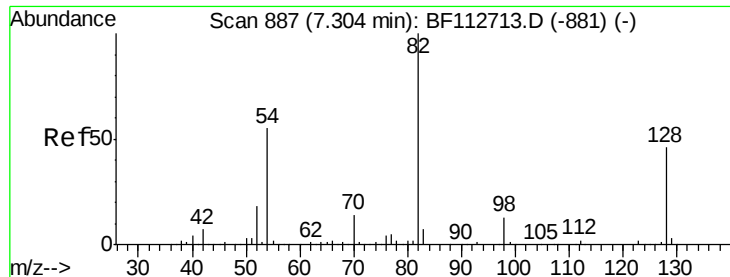
Tgt Ion: 70 Resp: 92239
Ion Ratio Lower Upper
70 100
42 51.1 49.9 74.9
101 0.0 7.4 11.2#
130 2.7 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112878.D
Acq: 6 Mar 2019 3:24

Tgt Ion: 136 Resp: 577240
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.0 7.3 10.9
68 5.5 5.4 8.2

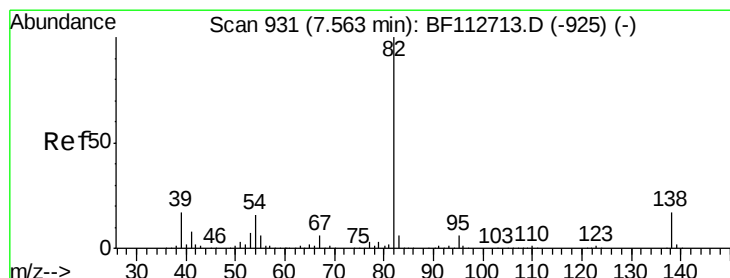
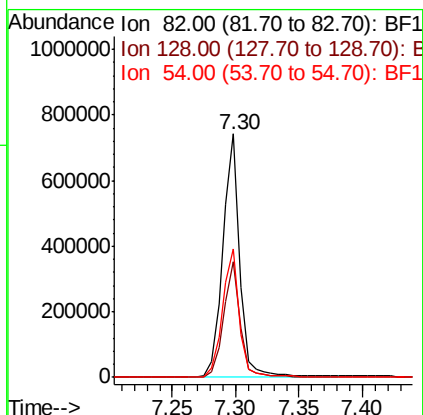
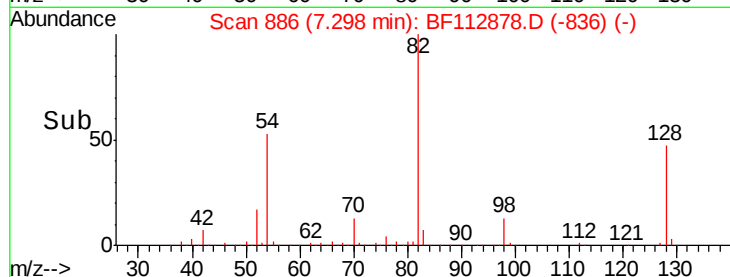
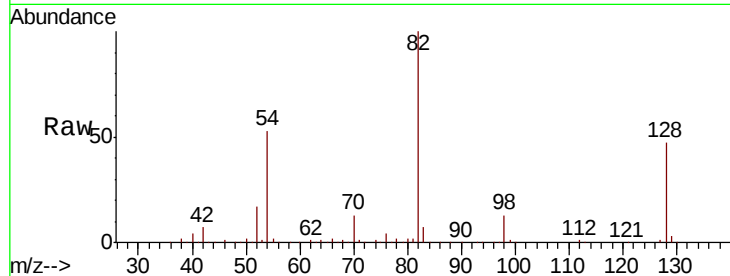




#23
Nitrobenzene-d5
Concen: 72.167 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112878.D
Acq: 6 Mar 2019 3:24

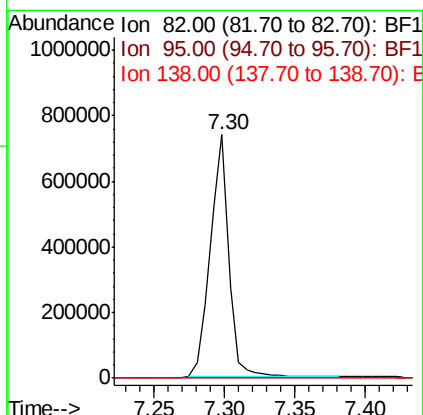
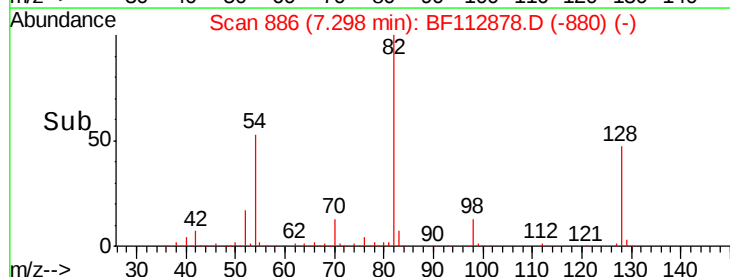
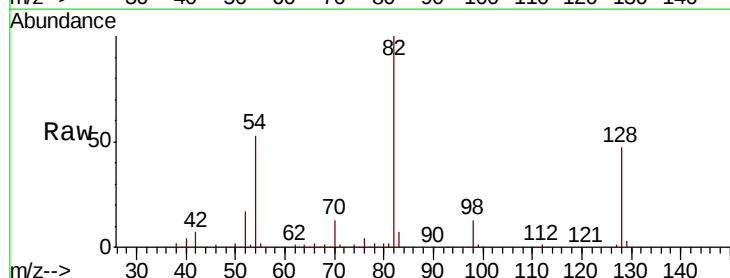
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ClientSampleId :
PST-028-B101-022719

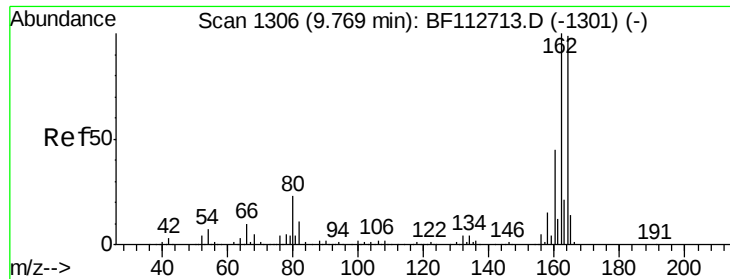
Tgt Ion: 82 Resp: 696174
Ion Ratio Lower Upper
82 100
128 47.2 36.3 54.5
54 52.7 43.7 65.5



#25
Isophorone
Concen: 32.404 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112878.D
Acq: 6 Mar 2019 3:24

Tgt Ion: 82 Resp: 673426
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#

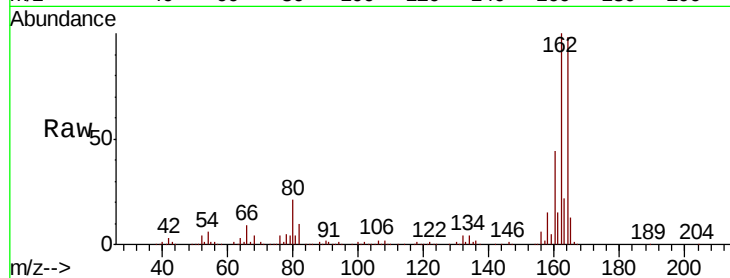




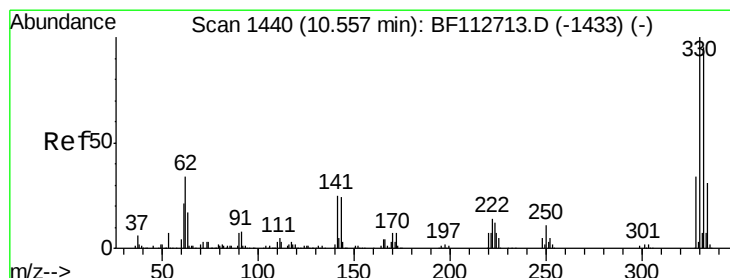
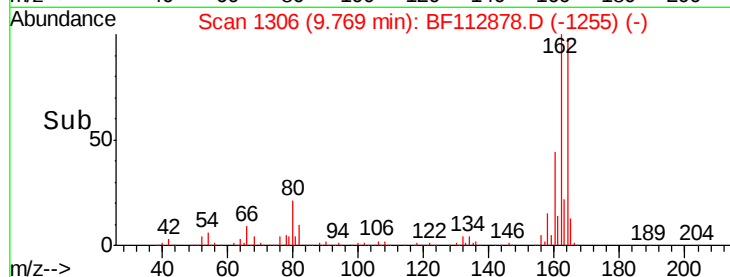
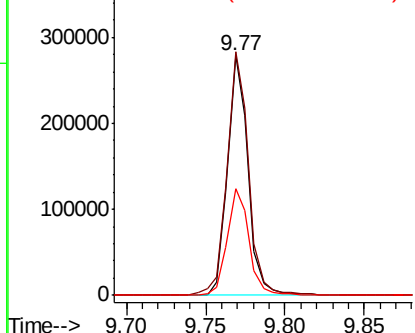
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF112878.D
 Acq: 6 Mar 2019 3:24

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B101-022719

Tgt Ion:164 Resp: 249489
 Ion Ratio Lower Upper
 164 100
 162 101.7 80.6 120.8
 160 44.8 36.0 54.0

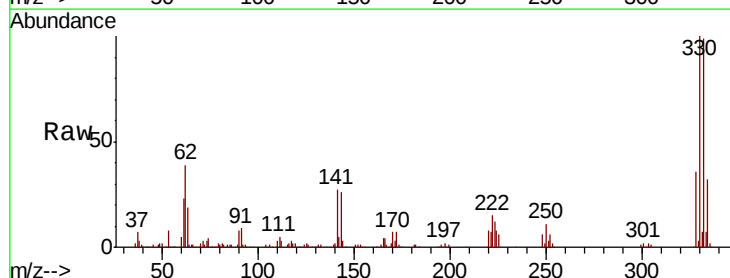


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

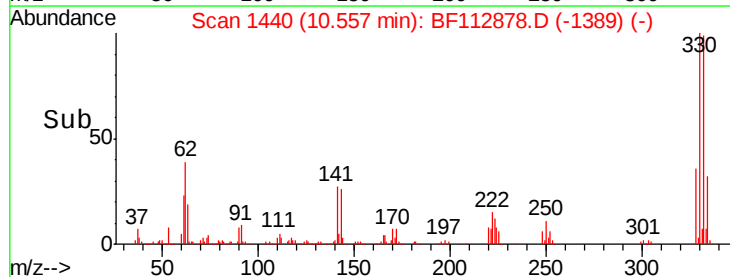
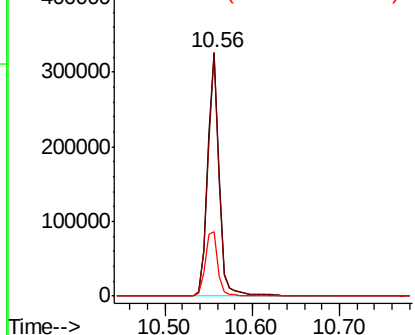


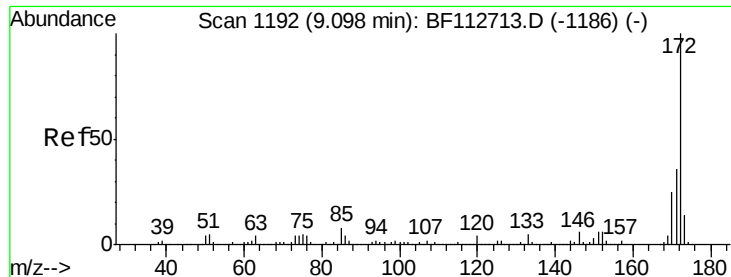
#42
 2,4,6-Tribromophenol
 Concen: 113.754 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112878.D
 Acq: 6 Mar 2019 3:24

Tgt Ion:330 Resp: 301294
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.2 114.4
 141 29.3 27.0 40.6



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

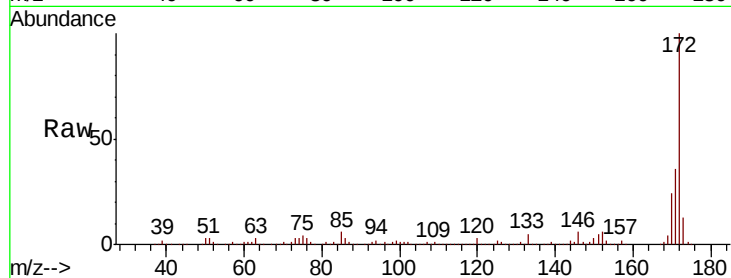




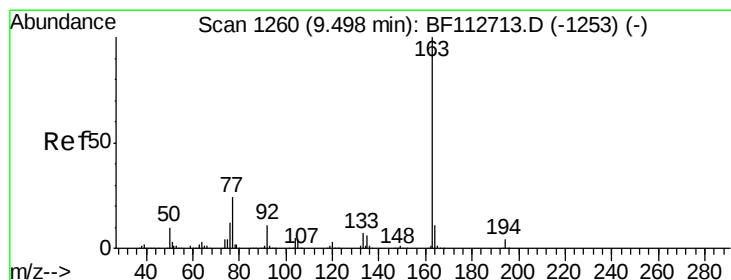
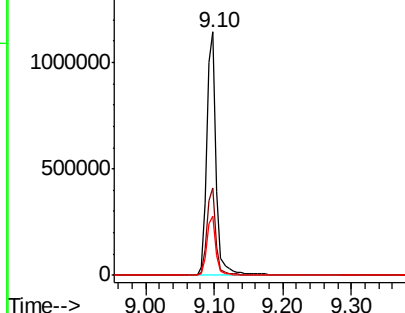
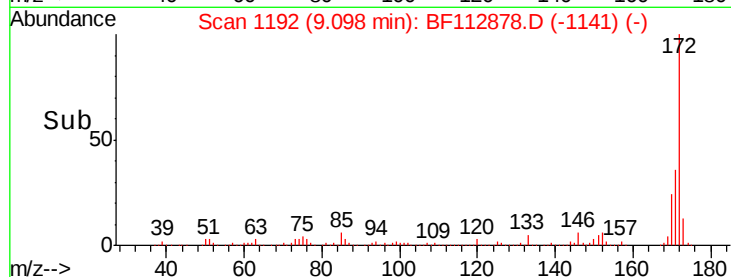
#45
2-Fluorobiphenyl
Concen: 72.166 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112878.D
Acq: 6 Mar 2019 3:24

Instrument :
BNA_F
ClientSampleId :
PST-028-B101-022719

Tgt Ion:172 Resp: 1130849
Ion Ratio Lower Upper
172 100
171 36.1 29.0 43.4
170 24.1 20.0 30.0

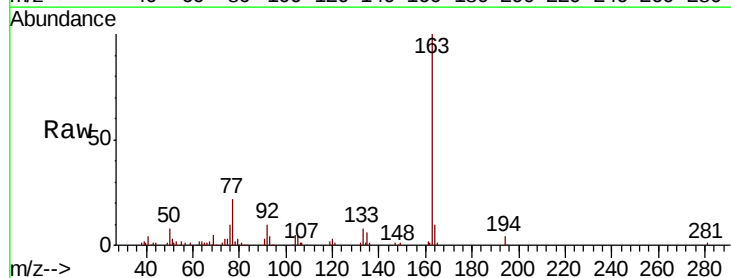


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

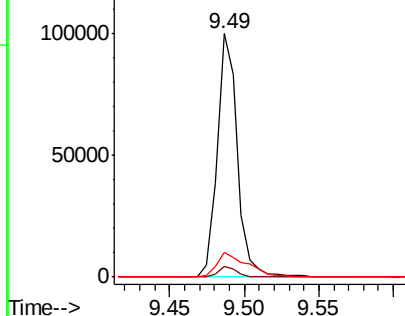
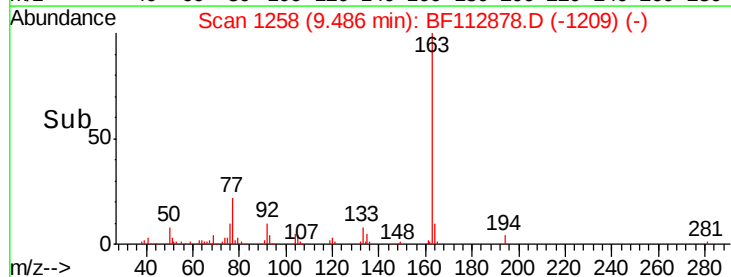


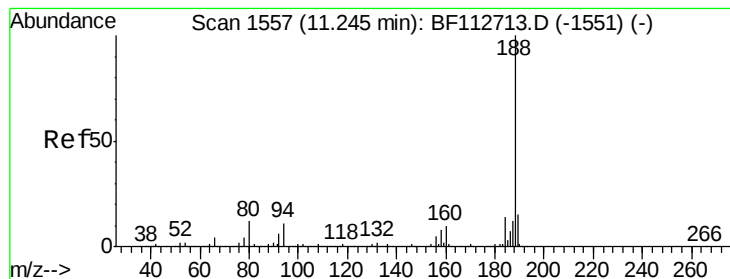
#50
Dimethylphthalate
Concen: 5.136 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112878.D
Acq: 6 Mar 2019 3:24

Tgt Ion:163 Resp: 94476
Ion Ratio Lower Upper
163 100
194 4.4 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112878.D

Acq: 6 Mar 2019 3:24

Instrument :

BNA_F

ClientSampleId :

PST-028-B101-022719

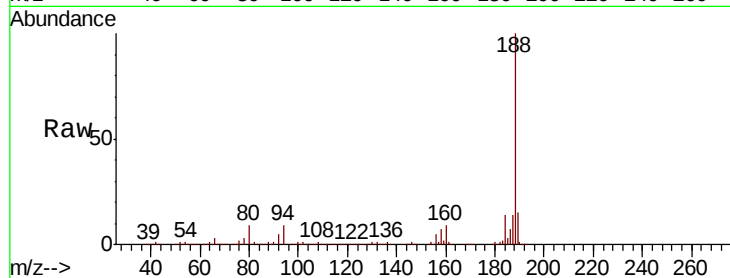
Tgt Ion:188 Resp: 477079

Ion Ratio Lower Upper

188 100

94 9.0 9.0 13.4

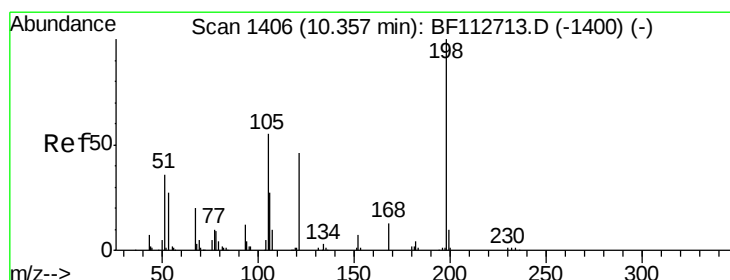
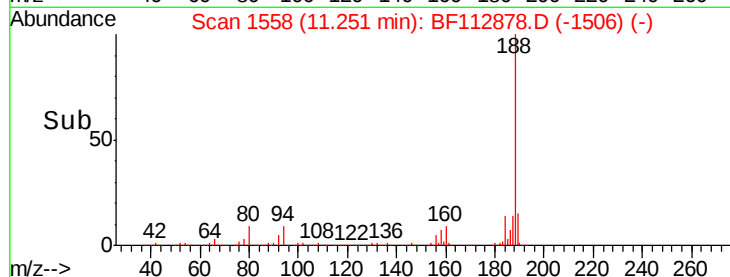
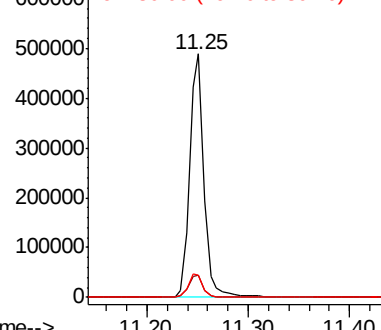
80 9.2 9.2 13.8#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.797 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.20 min

Lab File: BF112878.D

Acq: 6 Mar 2019 3:24

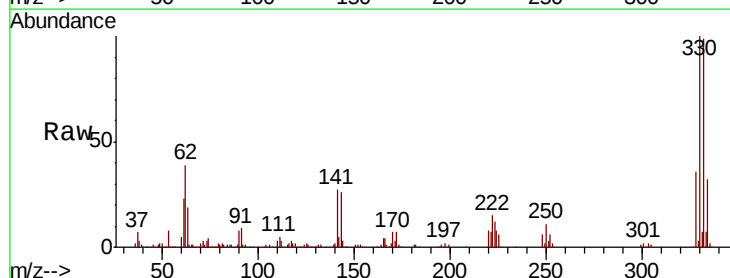
Tgt Ion:198 Resp: 399

Ion Ratio Lower Upper

198 100

51 227.6 43.8 83.8#

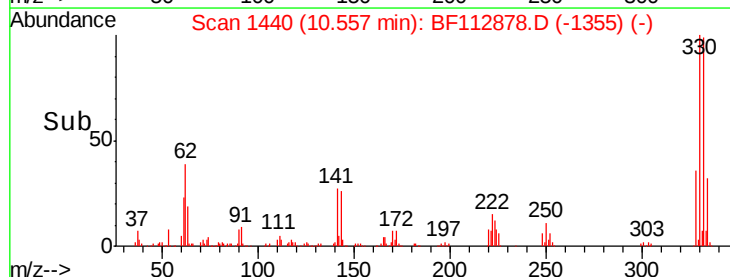
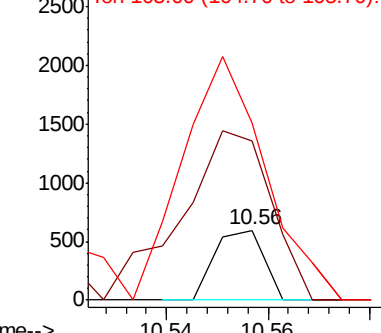
105 253.8 36.5 76.5#

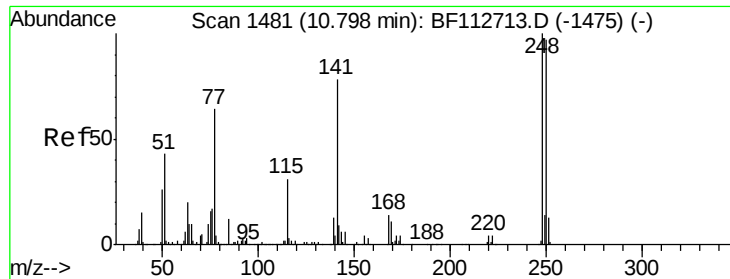


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

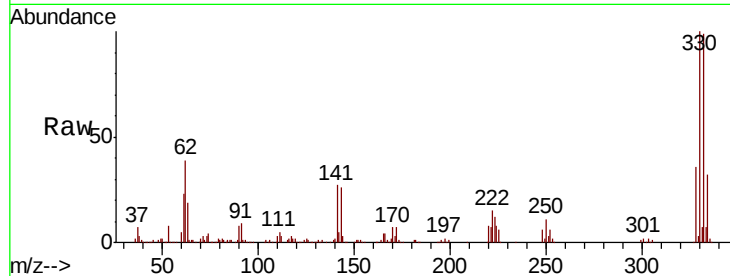




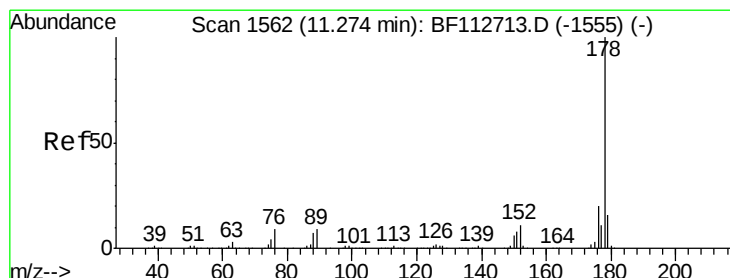
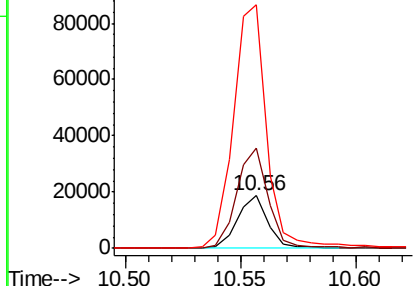
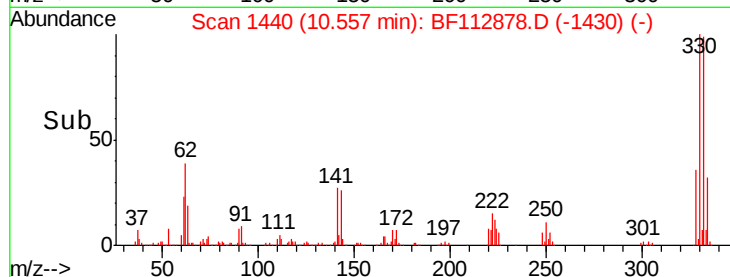
#67
 4-Bromophenyl-phenylether
 Concen: 3.398 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112878.D
 Acq: 6 Mar 2019 3:24

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B101-022719

Tgt Ion:248 Resp: 17077
 Ion Ratio Lower Upper
 248 100
 250 190.4 77.5 116.3#
 141 461.3 62.4 93.6#

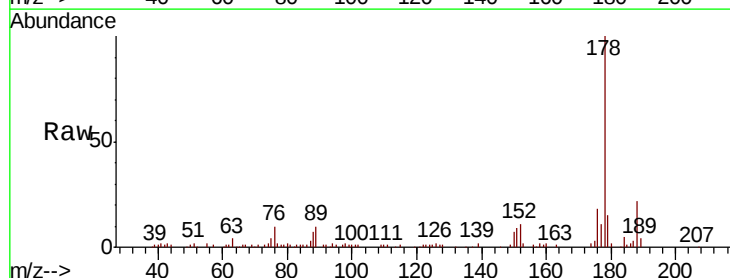


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

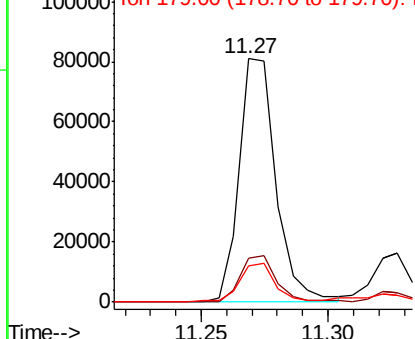
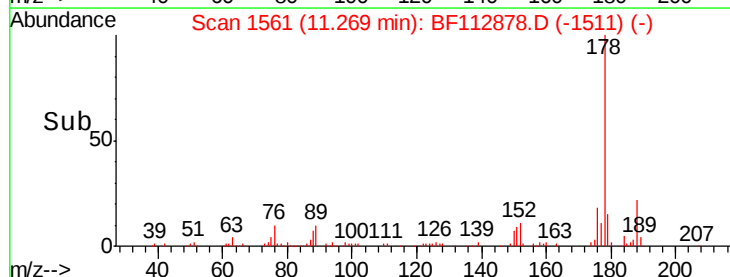


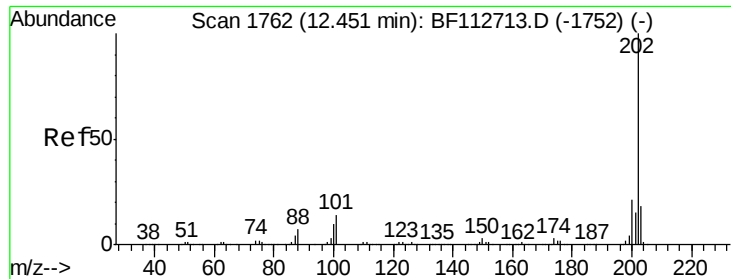
#71
 Phenanthrene
 Concen: 3.462 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF112878.D
 Acq: 6 Mar 2019 3:24

Tgt Ion:178 Resp: 82181
 Ion Ratio Lower Upper
 178 100
 176 18.0 16.3 24.5
 179 15.1 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





#75

Fluoranthene

Concen: 4.547 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112878.D

Acq: 6 Mar 2019 3:24

Instrument :

BNA_F

ClientSampleId :

PST-028-B101-022719

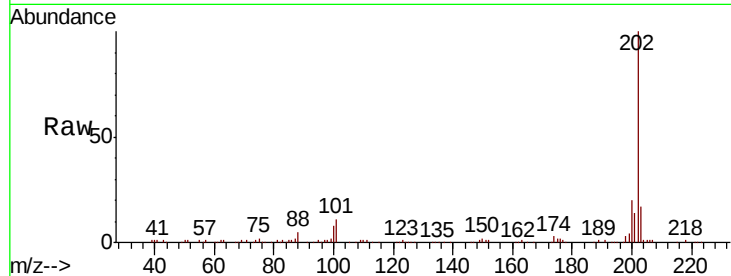
Tgt Ion: 202 Resp: 115625

Ion Ratio Lower Upper

202 100

101 10.5 0.0 33.8

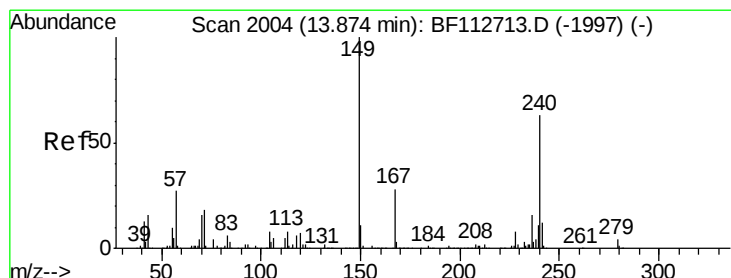
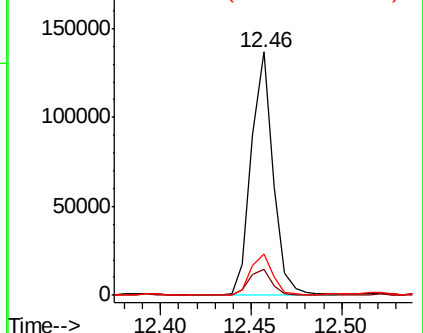
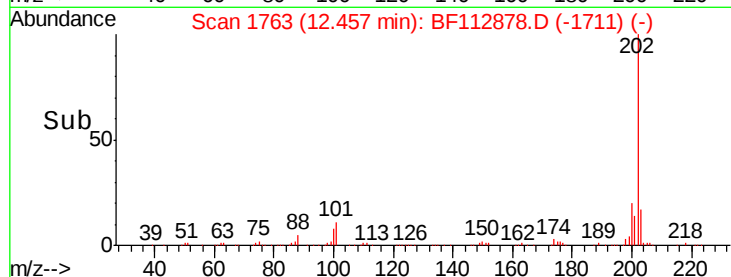
203 16.9 0.0 38.4



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: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112878.D

Acq: 6 Mar 2019 3:24

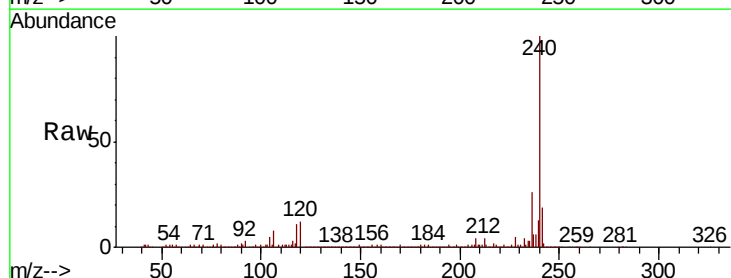
Tgt Ion: 240 Resp: 454576

Ion Ratio Lower Upper

240 100

120 12.1 8.9 13.3

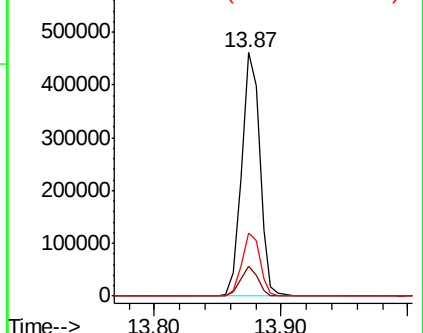
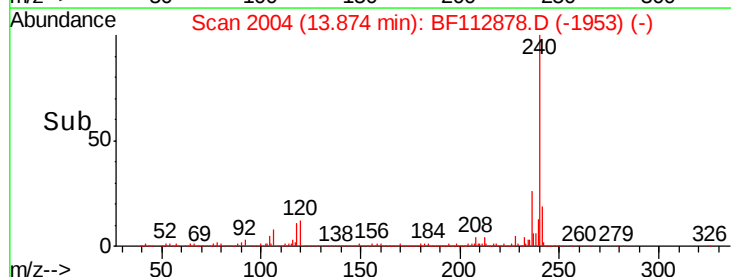
236 26.0 20.7 31.1

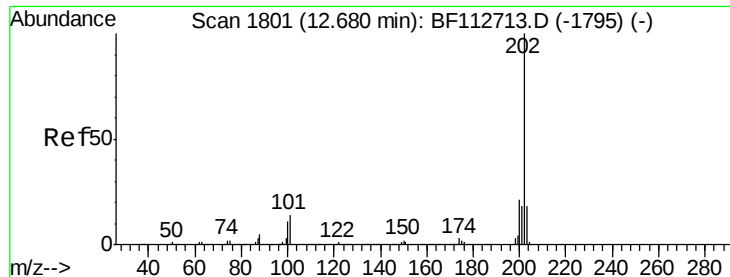


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

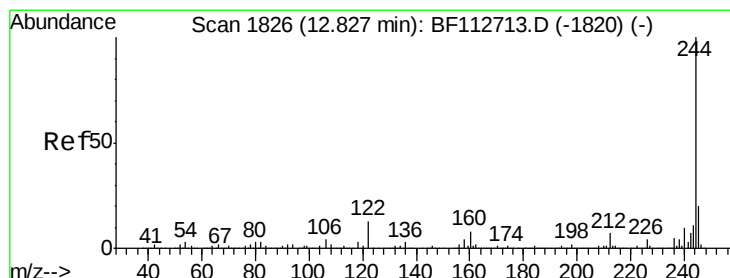
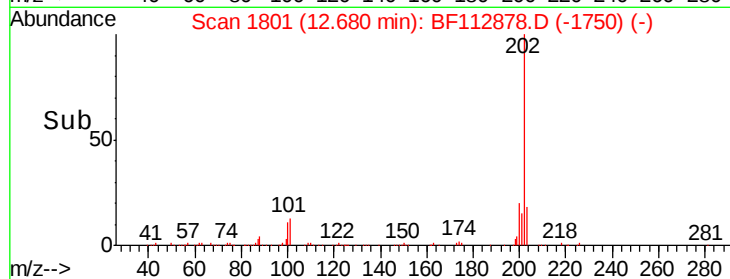
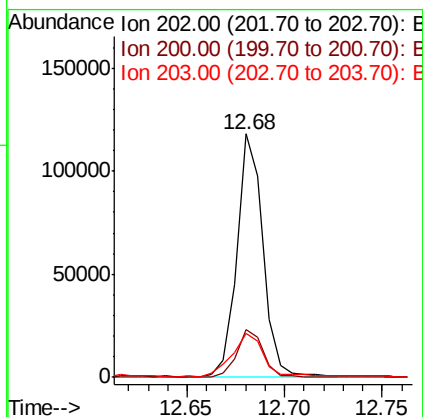
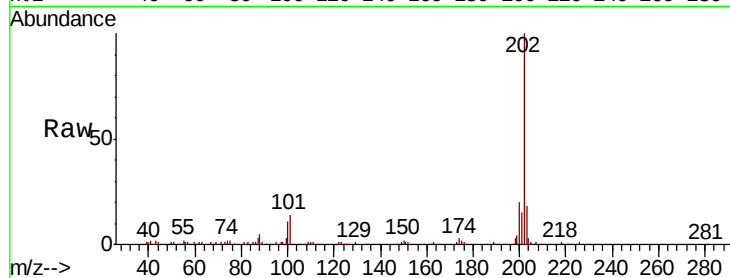




#78
 Pyrene
 Concen: 2.855 ng
 RT: 12.68 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BF112878.D
 Acq: 6 Mar 2019 3:24

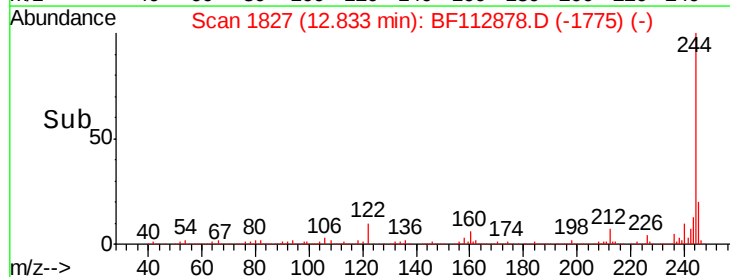
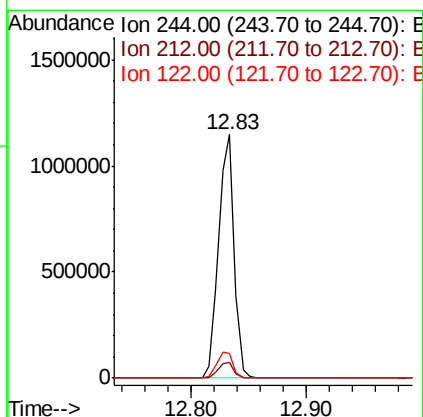
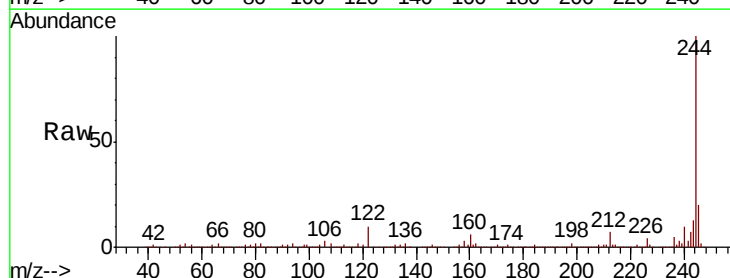
Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B101-022719

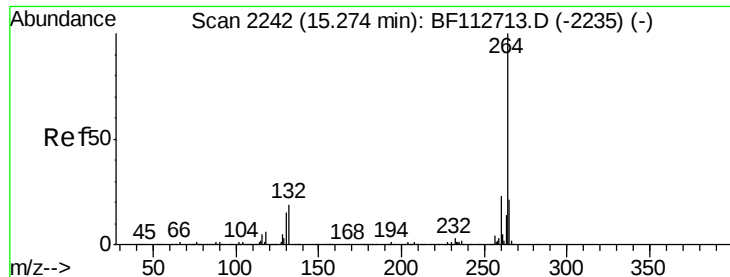
Tgt Ion: 202 Resp: 109418
 Ion Ratio Lower Upper
 202 100
 200 19.7 17.0 25.4
 203 17.9 14.4 21.6



#79
 Terphenyl-d14
 Concen: 45.771 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112878.D
 Acq: 6 Mar 2019 3:24

Tgt Ion: 244 Resp: 1073325
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.3 10.5 15.7#

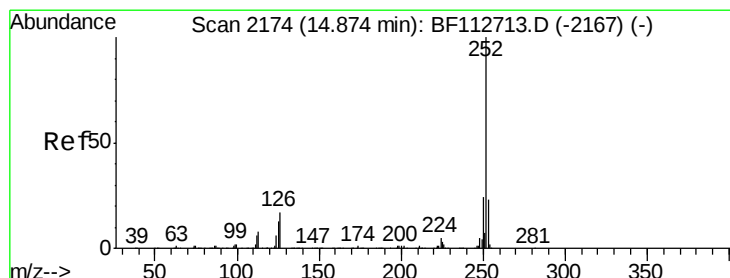
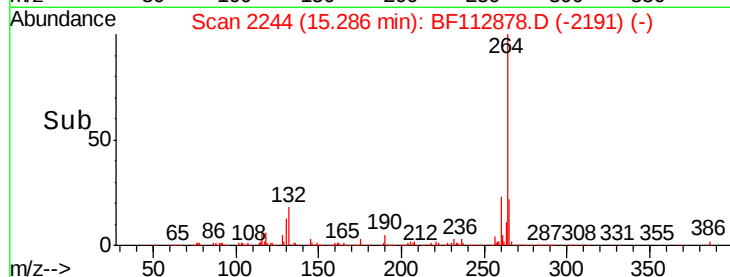
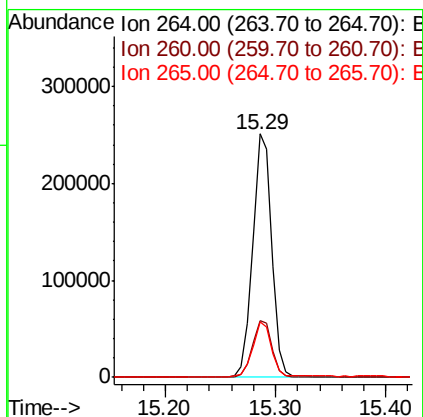
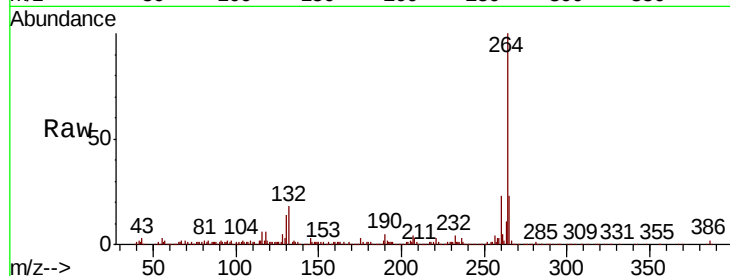




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112878.D
Acq: 6 Mar 2019 3:24

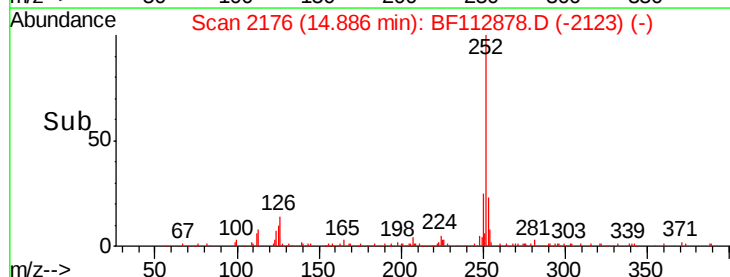
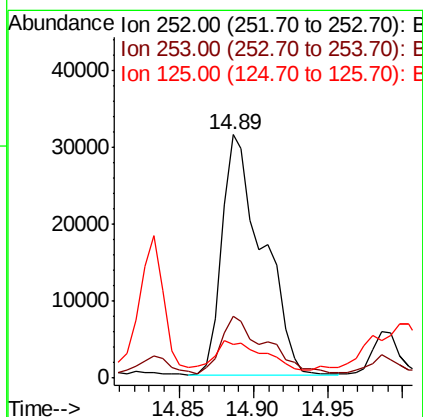
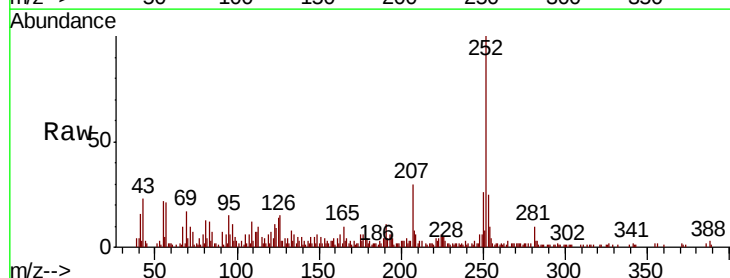
Instrument :
BNA_F
ClientSampleId :
PST-028-B101-022719

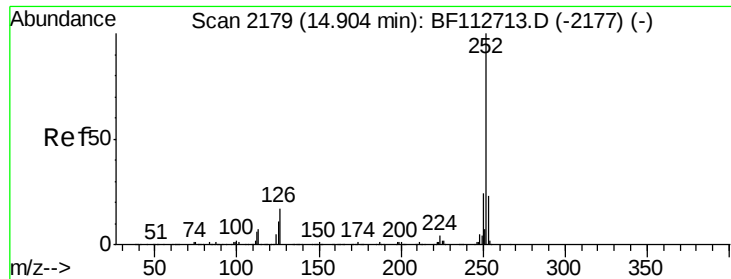
Tgt Ion:264 Resp: 305564
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 22.7 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 3.013 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112878.D
Acq: 6 Mar 2019 3:24

Tgt Ion:252 Resp: 59557
Ion Ratio Lower Upper
252 100
253 25.3 18.0 27.0
125 13.8 10.2 15.2





#89

Benzo(k)fluoranthene

Concen: 3.327 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.02 min

Lab File: BF112878.D

Acq: 6 Mar 2019 3:24

Instrument :

BNA_F

ClientSampleId :

PST-028-B101-022719

Tgt Ion: 252 Resp: 59557

Ion Ratio Lower Upper

252 100

253 25.3 18.2 27.2

125 13.8 9.8 14.6

