

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112879.D
 Acq On : 6 Mar 2019 3:52
 Operator : JU/SJ
 Sample : K1705-18
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B004-022719

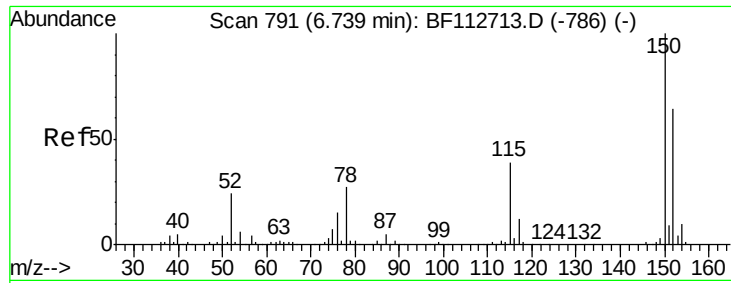
Quant Time: Mar 06 04:47:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	149398	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	520928	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	221709	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	420290	20.00	ng	0.00
76) Chrysene-d12	13.87	240	436399	20.00	ng	0.00
87) Perylene-d12	15.29	264	288404	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	1095063	114.02	ng	0.01
7) Phenol-d6	6.38	99	1368684	113.45	ng	0.01
23) Nitrobenzene-d5	7.30	82	829572	95.29	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	329624	140.04	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1207012	92.28	ng	0.00
79) Terphenyl-d14	12.83	244	1205781	53.56	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	111786	14.630	ng	# 76
25) Isophorone	7.30	82	807223	43.040	ng	# 66
50) Dimethylphthalate	9.49	163	92733	5.673	ng	100
57) 2,4-Dinitrotoluene	9.77	165	27535	6.507	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.56	198	408	4.826	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	18782	4.243	ng	# 1
71) Phenanthrene	11.27	178	56740	2.713	ng	95
75) Fluoranthene	12.46	202	95463	4.261	ng	94
78) Pyrene	12.68	202	95353	2.592	ng	99
88) Benzo(b)fluoranthene	14.89	252	52700	2.825	ng	97
89) Benzo(k)fluoranthene	14.89	252	52700	3.119	ng	# 97

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

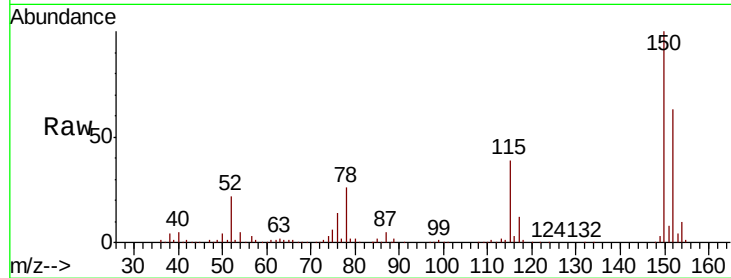


#1

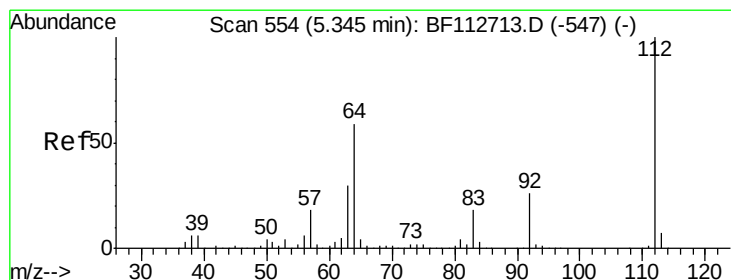
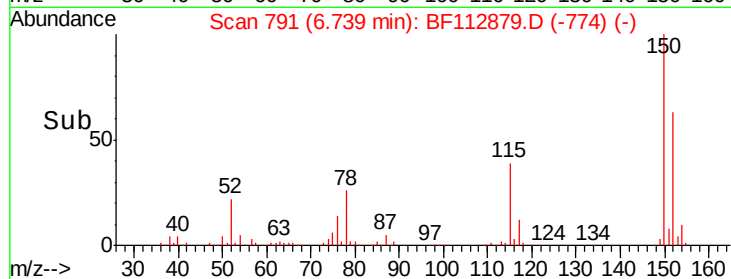
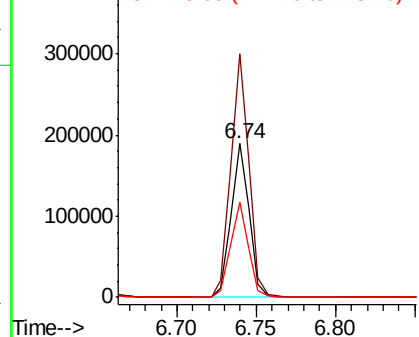
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF112879.D
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PST-028-B004-022719

Tgt Ion:152 Resp: 149398
Ion Ratio Lower Upper
152 100
150 158.6 124.2 186.2
115 62.0 48.2 72.4



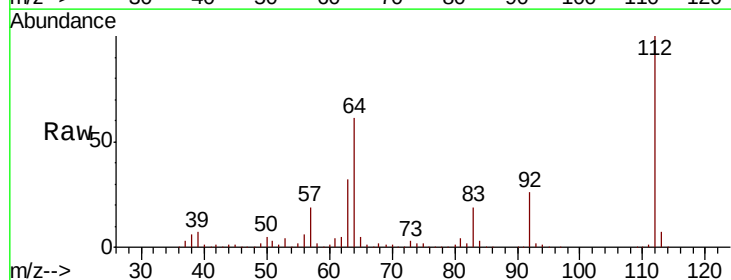
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



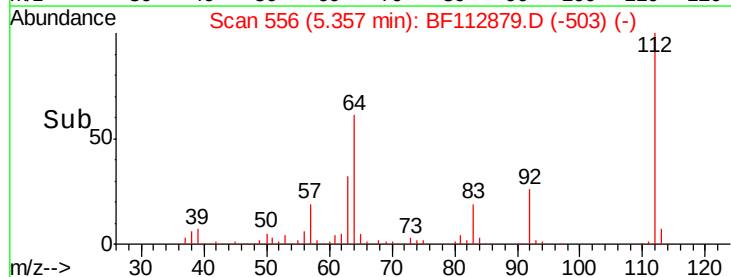
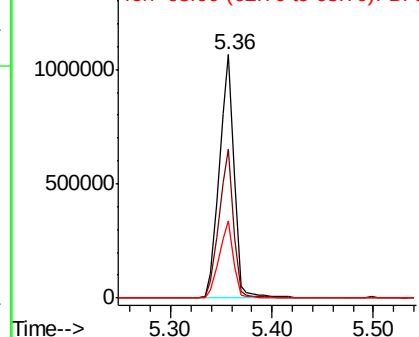
#5

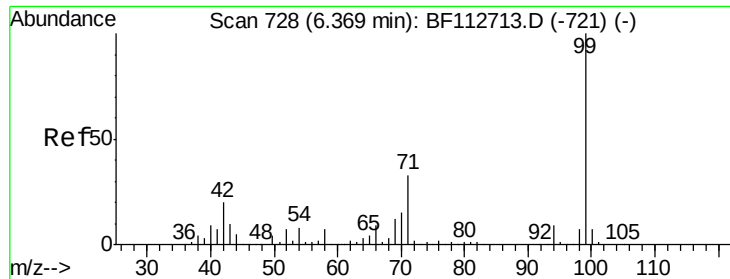
2-Fluorophenol
Concen: 114.019 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112879.D
Acq: 6 Mar 2019 3:52

Tgt Ion:112 Resp: 1095063
Ion Ratio Lower Upper
112 100
64 61.0 47.6 71.4
63 31.6 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 113.447 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112879.D

Acq: 6 Mar 2019 3:52

Instrument :

BNA_F

ClientSampleId :

PST-028-B004-022719

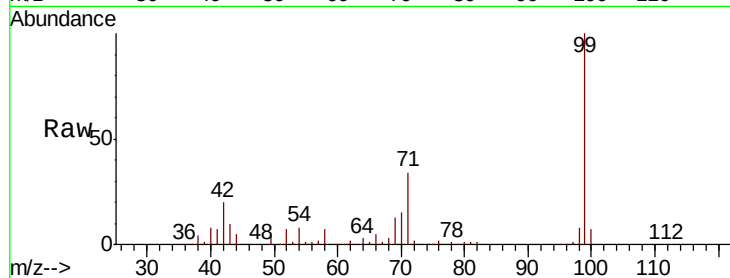
Tgt Ion: 99 Resp: 1368684

Ion Ratio Lower Upper

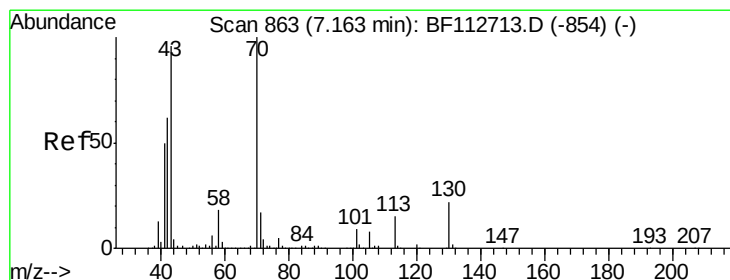
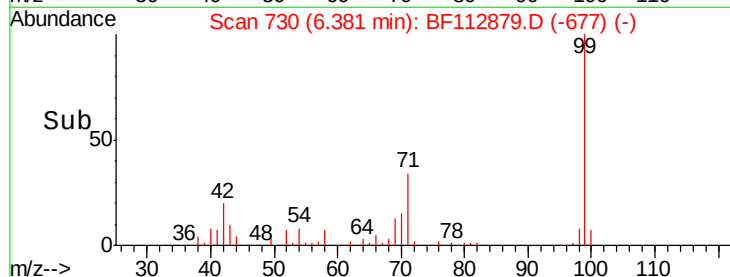
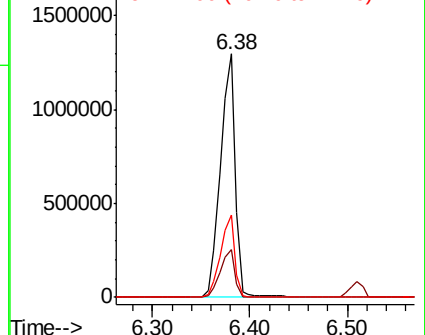
99 100

42 19.9 16.3 24.5

71 34.0 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: 14.630 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112879.D

Acq: 6 Mar 2019 3:52

Tgt Ion: 70 Resp: 111786

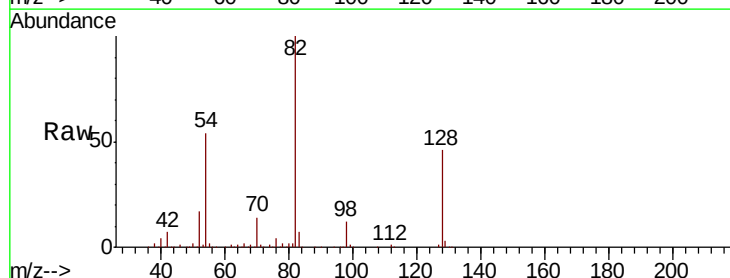
Ion Ratio Lower Upper

70 100

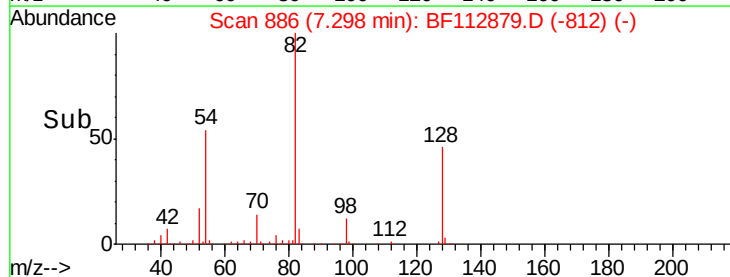
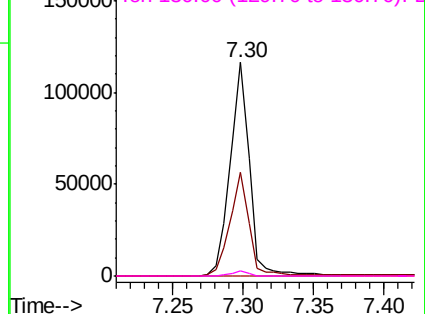
42 48.4 49.9 74.9#

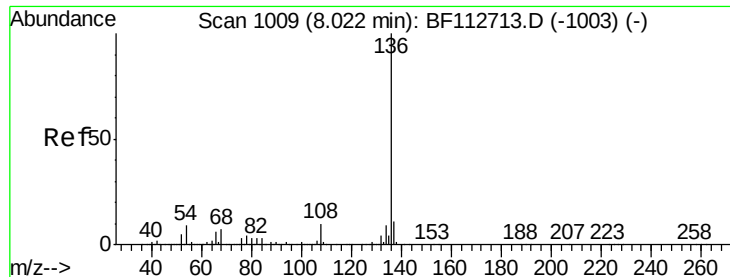
101 0.0 7.4 11.2#

130 2.1 17.4 26.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

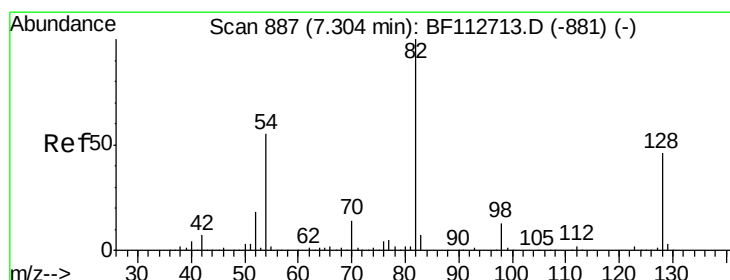
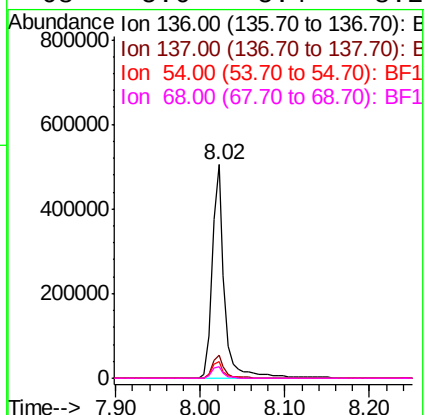
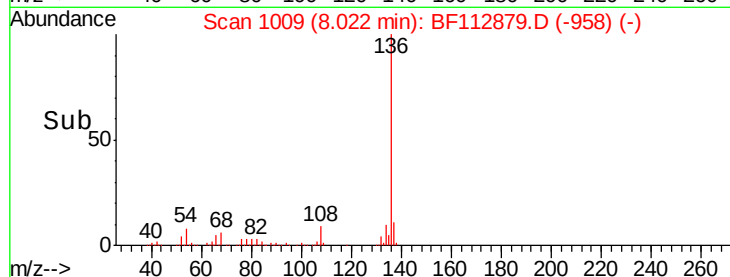
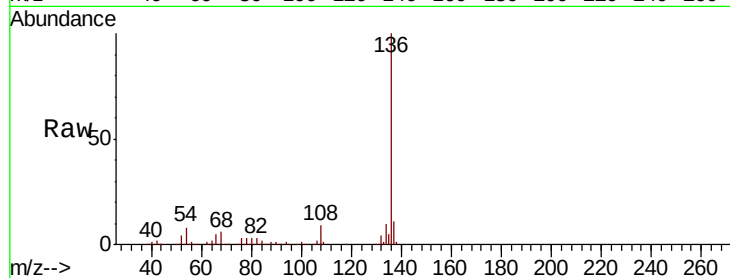




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112879.D
Acq: 6 Mar 2019 3:52

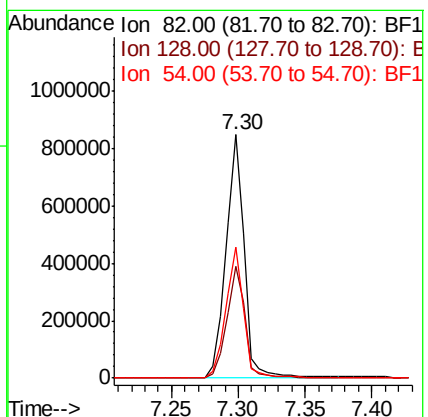
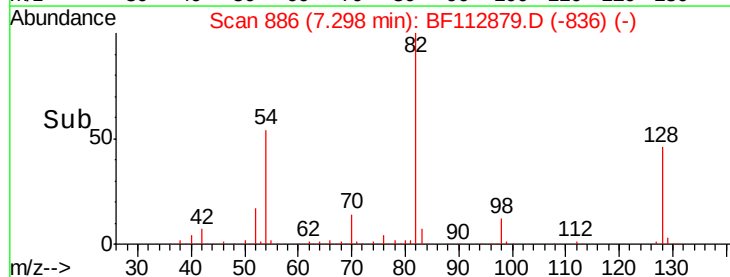
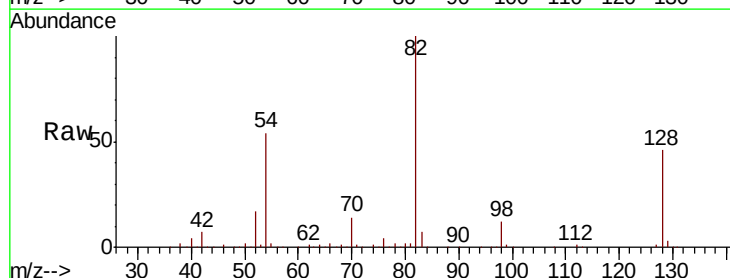
Instrument :
BNA_F
ClientSampleId :
PST-028-B004-022719

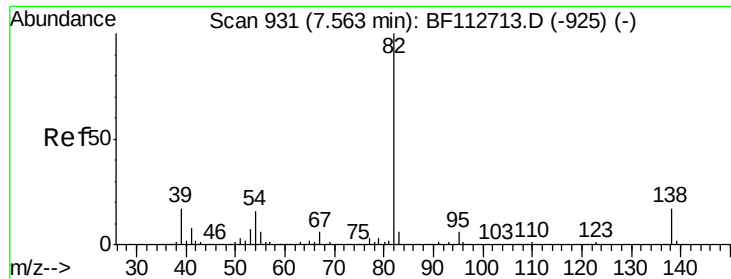
Tgt Ion:	136	Resp:	520928
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.6	7.3	10.9
68	5.6	5.4	8.2



#23
Nitrobenzene-d5
Concen: 95.291 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112879.D
Acq: 6 Mar 2019 3:52

Tgt Ion:	82	Resp:	829572
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.3	54.5
54	53.9	43.7	65.5





#25

Isophorone

Concen: 43.040 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF112879.D

Acq: 6 Mar 2019 3:52

Instrument :

BNA_F

ClientSampleId :

PST-028-B004-022719

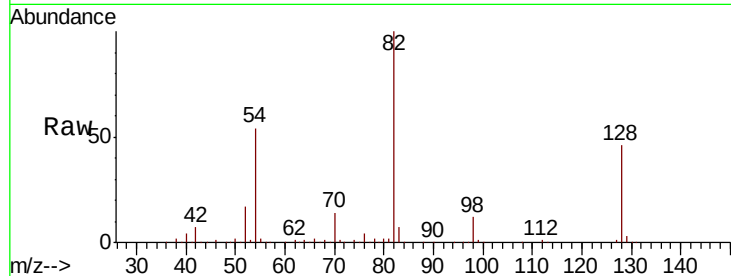
Tgt Ion: 82 Resp: 807223

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

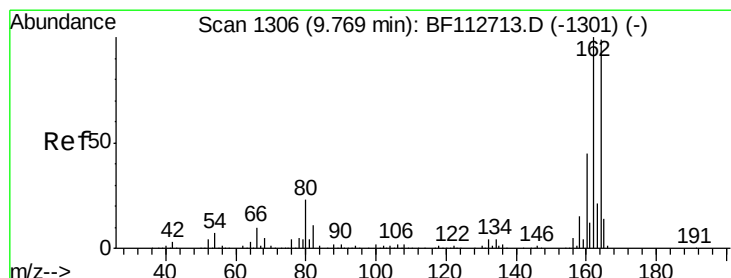
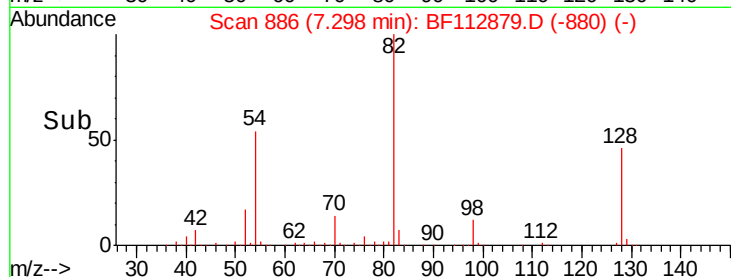
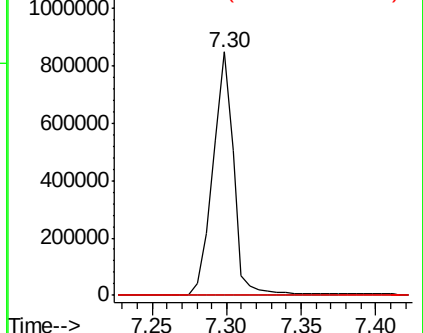
138 0.0 13.8 20.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF112879.D

Acq: 6 Mar 2019 3:52

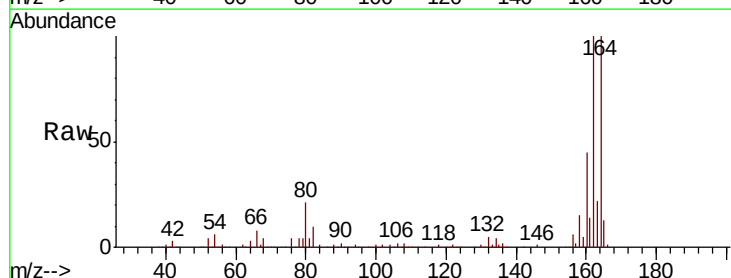
Tgt Ion: 164 Resp: 221709

Ion Ratio Lower Upper

164 100

162 100.2 80.6 120.8

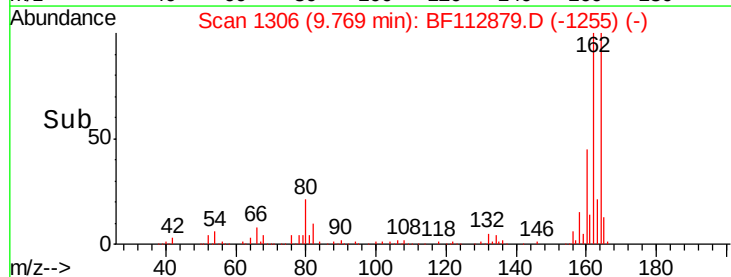
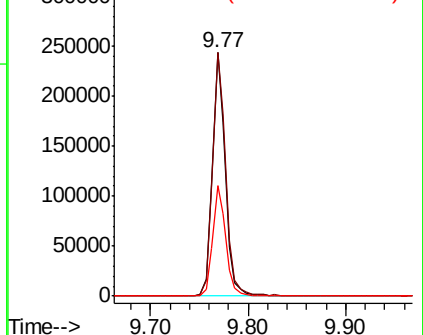
160 45.5 36.0 54.0

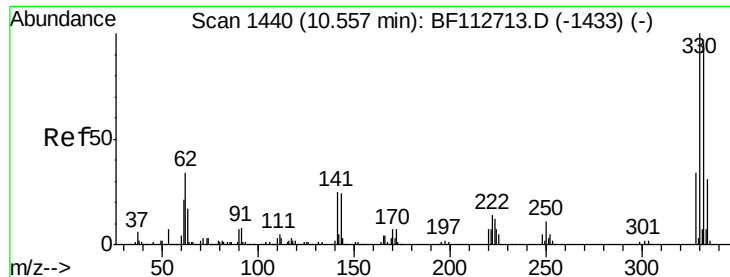


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

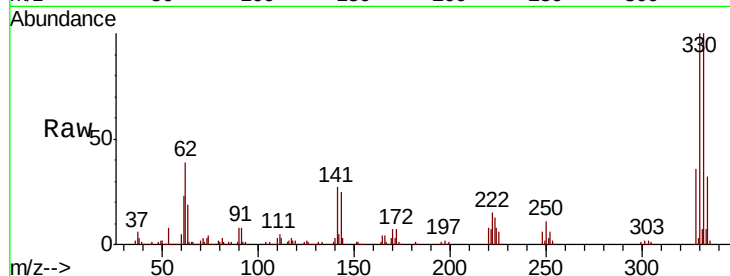




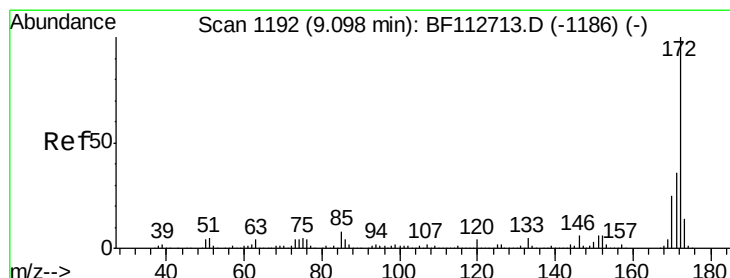
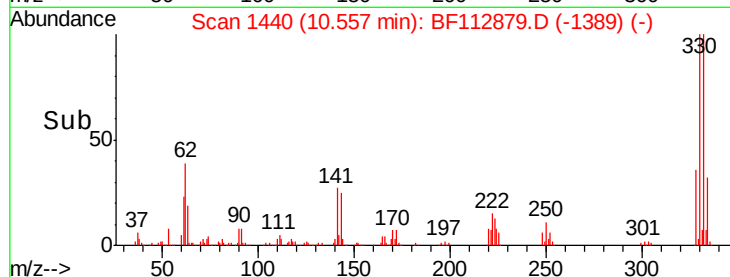
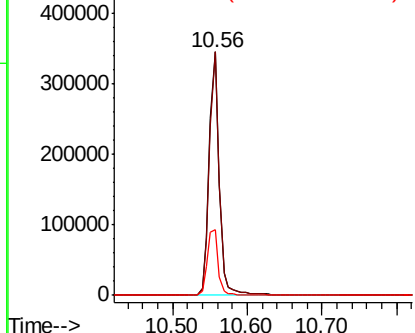
#42
 2,4,6-Tribromophenol
 Concen: 140.044 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF112879.D
 Acq: 6 Mar 2019 3:52

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B004-022719

Tgt Ion:330 Resp: 329624
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.2 114.4
 141 29.8 27.0 40.6

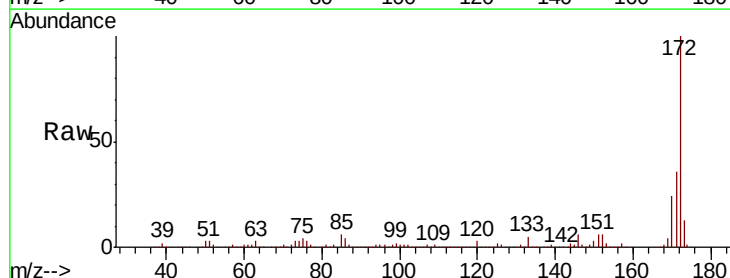


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

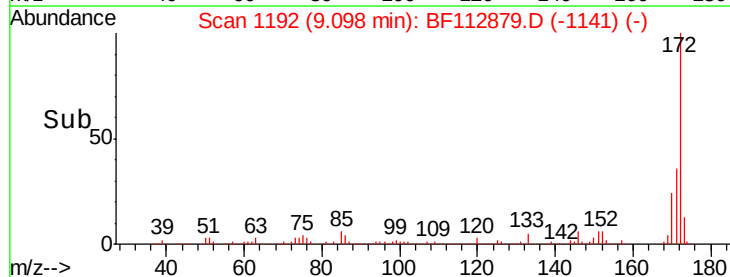
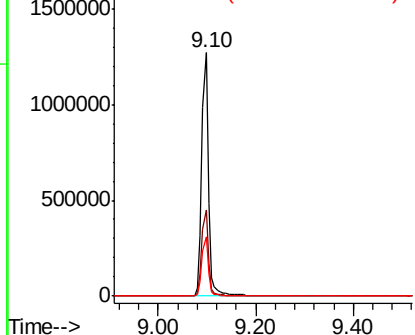


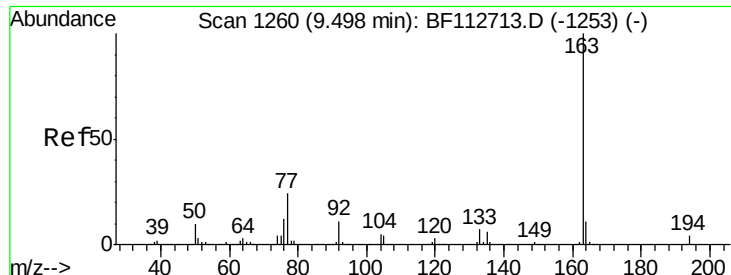
#45
 2-Fluorobiphenyl
 Concen: 92.285 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112879.D
 Acq: 6 Mar 2019 3:52

Tgt Ion:172 Resp: 1207012
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.0 43.4
 170 24.5 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

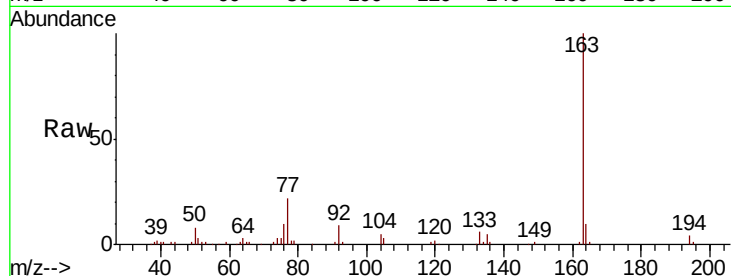




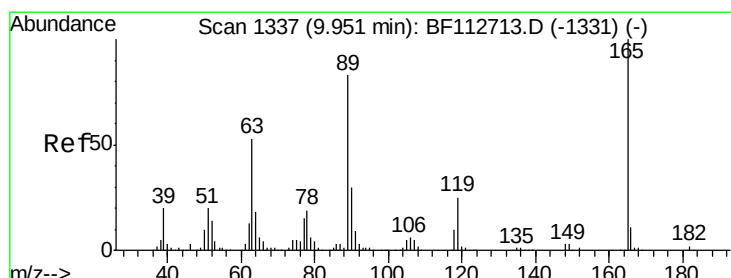
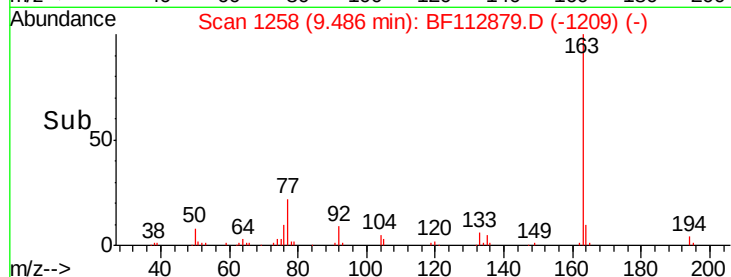
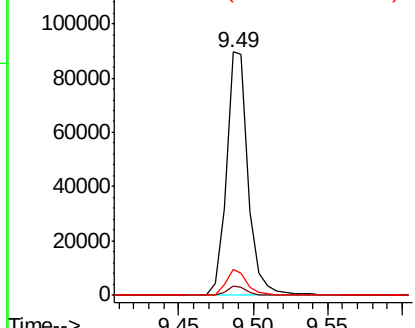
#50
Dimethylphthalate
Concen: 5.673 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112879.D
Acq: 6 Mar 2019 3:52

Instrument :
BNA_F
ClientSampleId :
PST-028-B004-022719

Tgt Ion:163 Resp: 92733
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.5 8.4 12.6

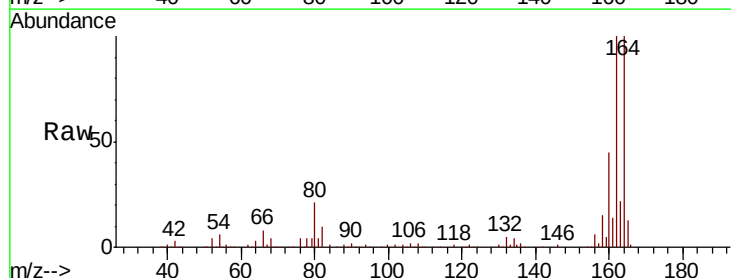


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

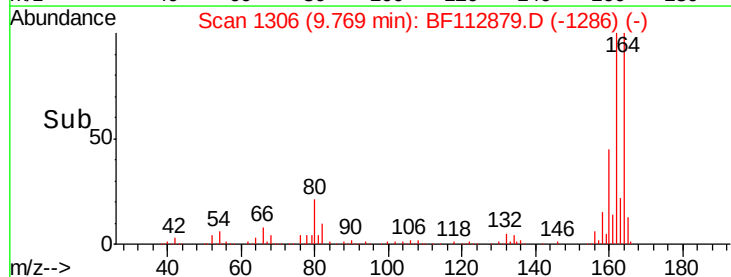
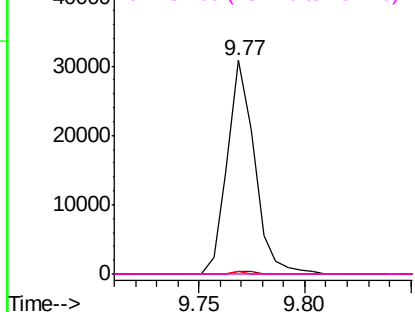


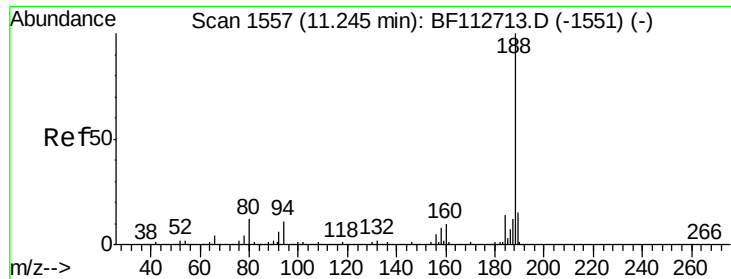
#57
2,4-Dinitrotoluene
Concen: 6.507 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112879.D
Acq: 6 Mar 2019 3:52

Tgt Ion:165 Resp: 27535
Ion Ratio Lower Upper
165 100
63 1.4 42.2 63.2#
89 1.3 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: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112879.D

Acq: 6 Mar 2019 3:52

Instrument :

BNA_F

ClientSampleId :

PST-028-B004-022719

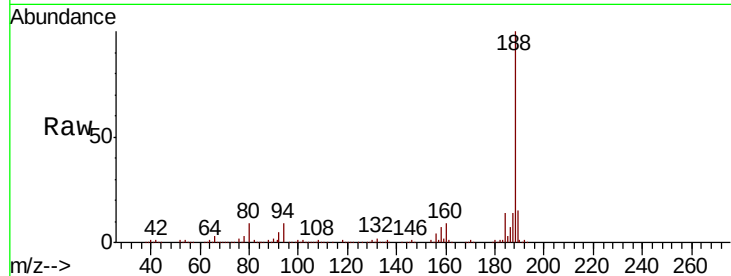
Tgt Ion:188 Resp: 420290

Ion Ratio Lower Upper

188 100

94 8.6 9.0 13.4#

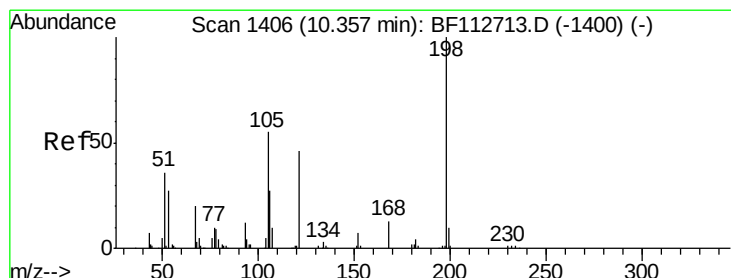
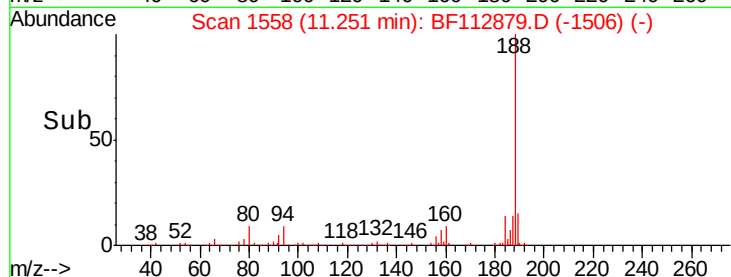
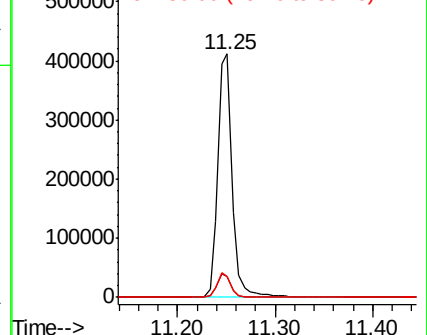
80 8.8 9.2 13.8#



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: 4.826 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.20 min

Lab File: BF112879.D

Acq: 6 Mar 2019 3:52

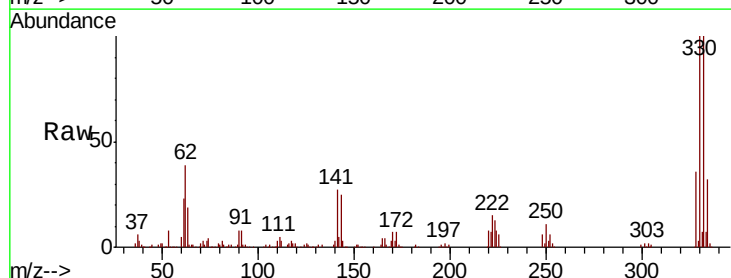
Tgt Ion:198 Resp: 408

Ion Ratio Lower Upper

198 100

51 190.3 43.8 83.8#

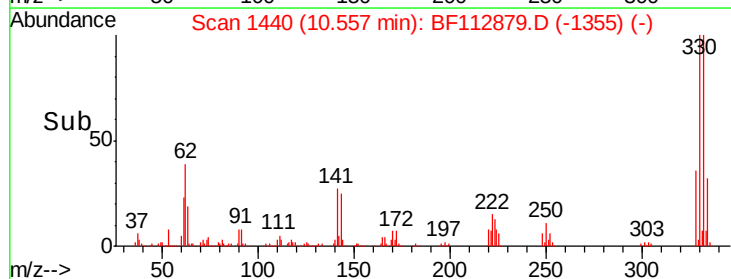
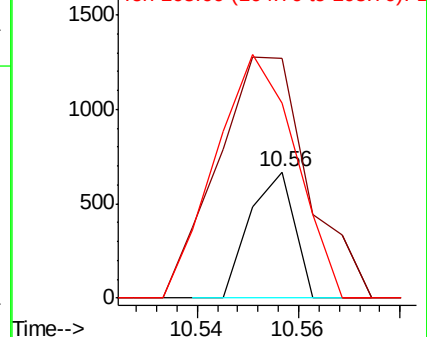
105 154.1 36.5 76.5#

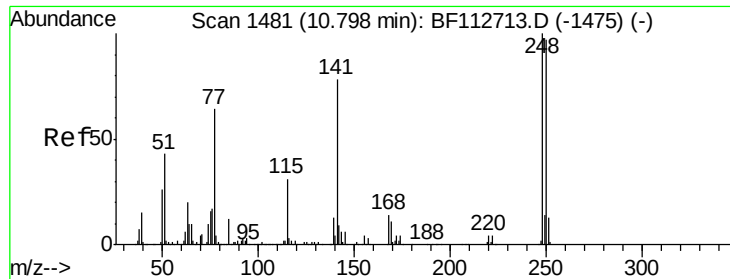


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

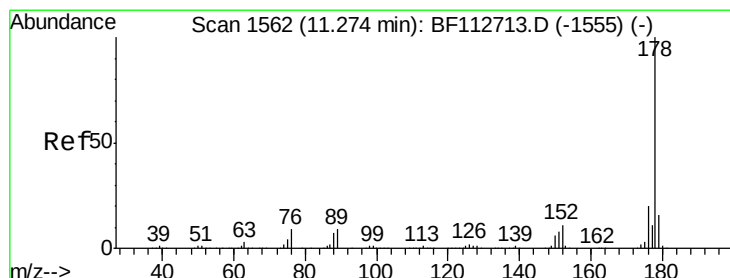
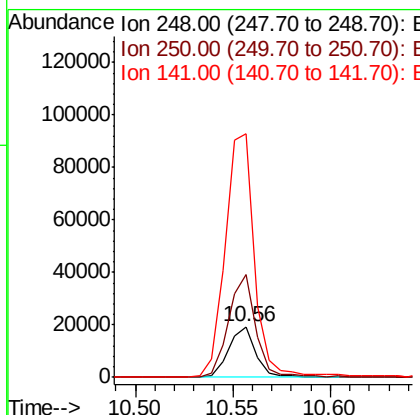
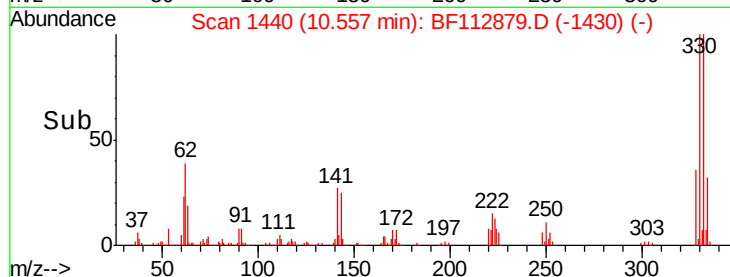
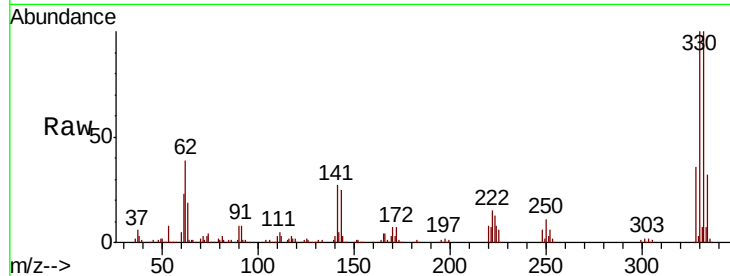




#67
 4-Bromophenyl-phenylether
 Concen: 4.243 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112879.D
 Acq: 6 Mar 2019 3:52

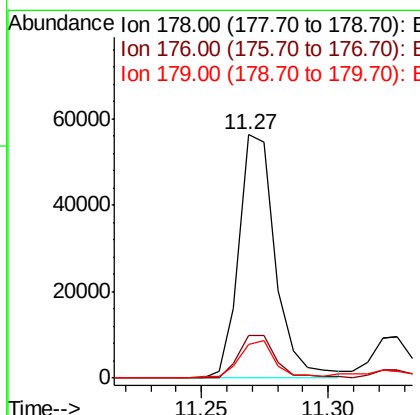
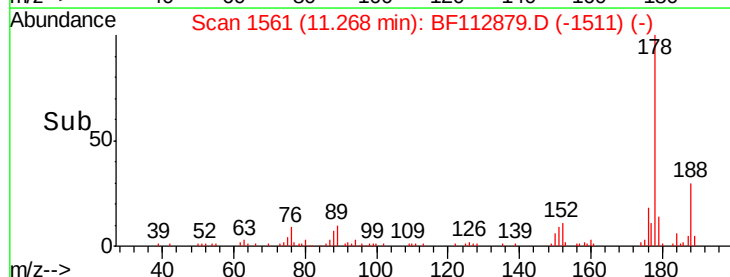
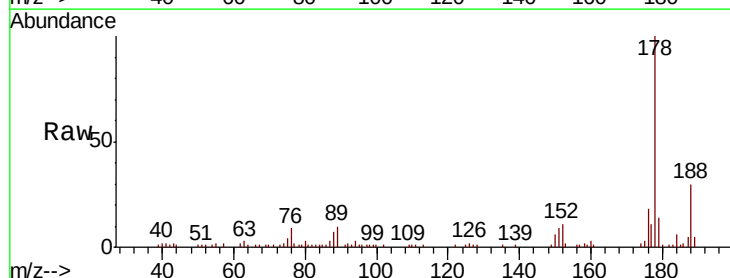
Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B004-022719

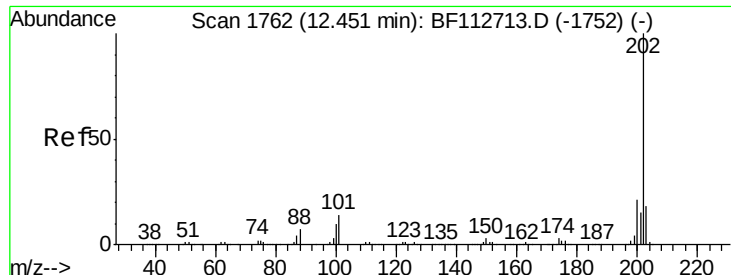
Tgt Ion:248 Resp: 18782
 Ion Ratio Lower Upper
 248 100
 250 201.7 77.5 116.3#
 141 478.0 62.4 93.6#



#71
 Phenanthrene
 Concen: 2.713 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF112879.D
 Acq: 6 Mar 2019 3:52

Tgt Ion:178 Resp: 56740
 Ion Ratio Lower Upper
 178 100
 176 17.5 16.3 24.5
 179 14.1 12.7 19.1





#75

Fluoranthene

Concen: 4.261 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112879.D

Acq: 6 Mar 2019 3:52

Instrument :

BNA_F

ClientSampleId :

PST-028-B004-022719

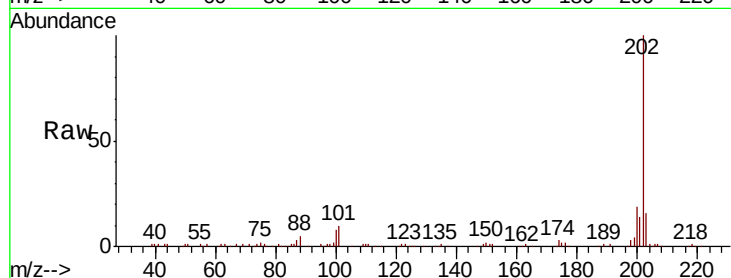
Tgt Ion: 202 Resp: 95463

Ion Ratio Lower Upper

202 100

101 10.2 0.0 33.8

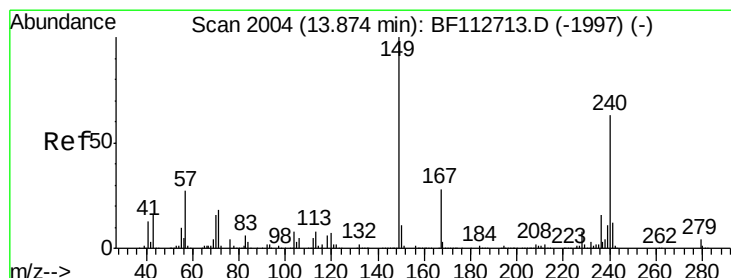
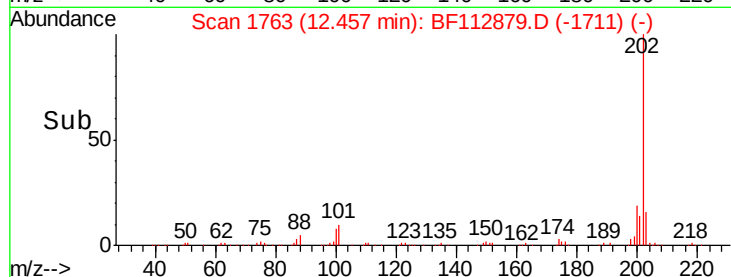
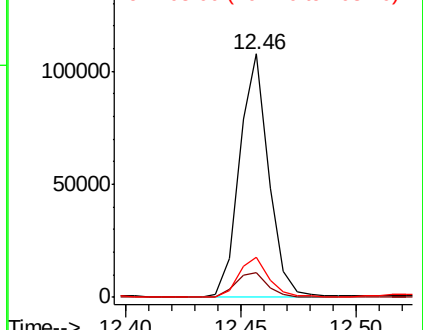
203 16.4 0.0 38.4



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: BF112879.D

Acq: 6 Mar 2019 3:52

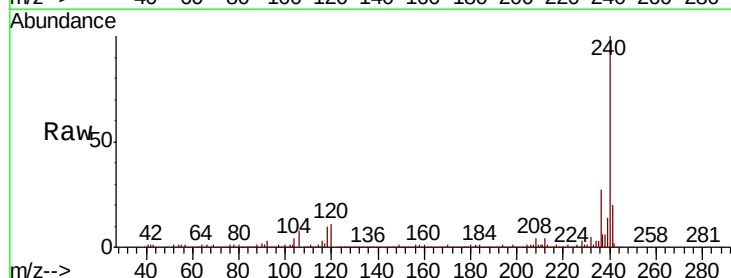
Tgt Ion: 240 Resp: 436399

Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

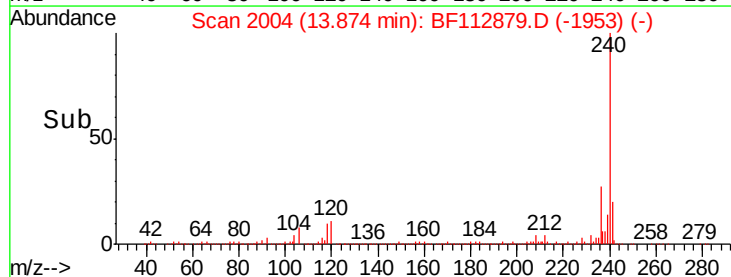
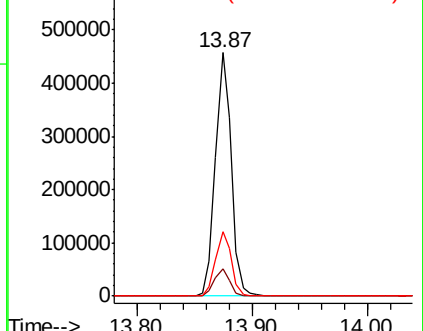
236 26.6 20.7 31.1

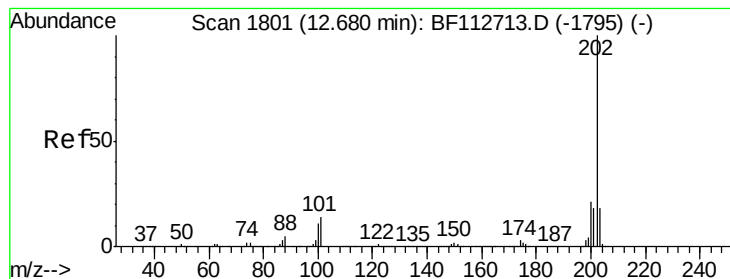


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 2.592 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF112879.D

Acq: 6 Mar 2019 3:52

Instrument :

BNA_F

ClientSampleId :

PST-028-B004-022719

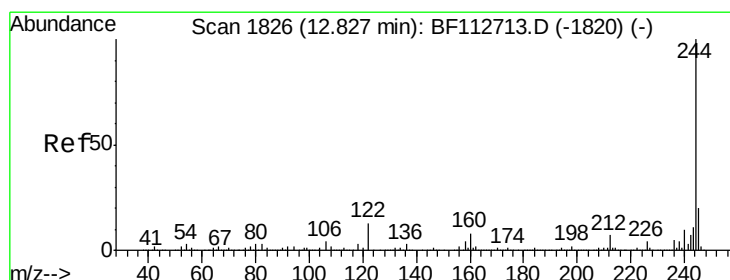
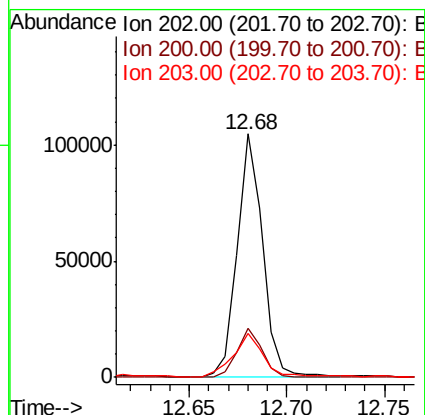
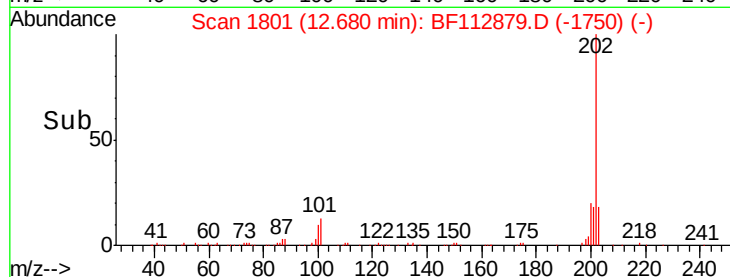
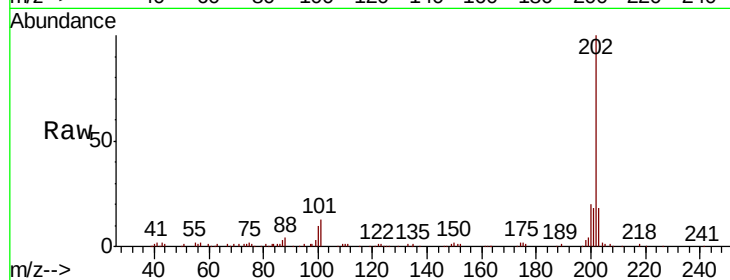
Tgt Ion:202 Resp: 95353

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

203 18.1 14.4 21.6



#79

Terphenyl-d14

Concen: 53.561 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112879.D

Acq: 6 Mar 2019 3:52

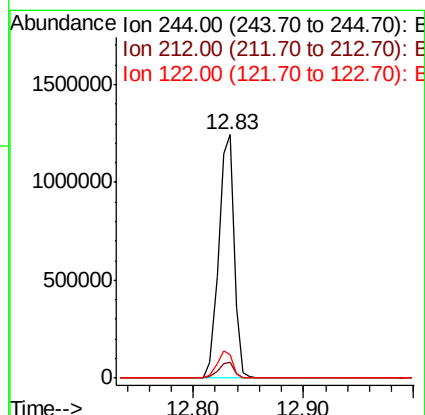
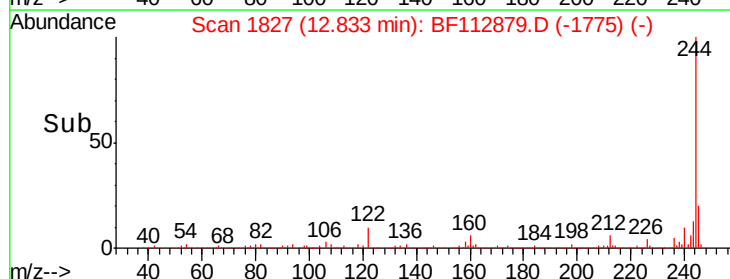
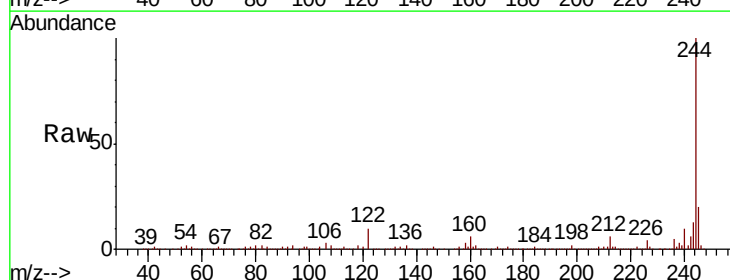
Tgt Ion:244 Resp: 1205781

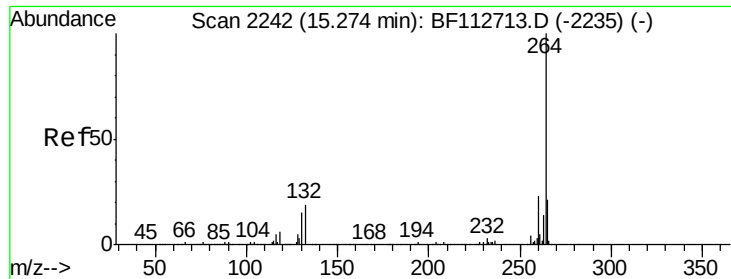
Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 9.6 10.5 15.7#

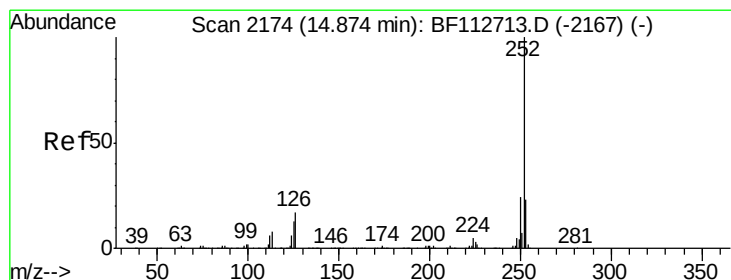
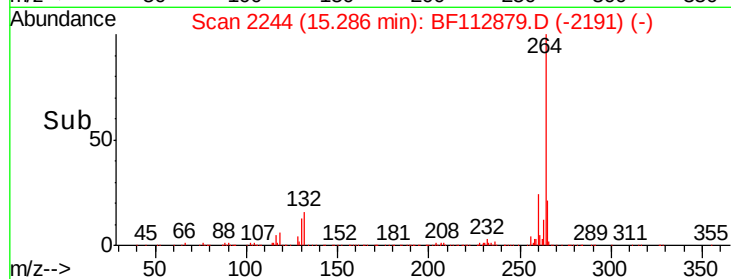
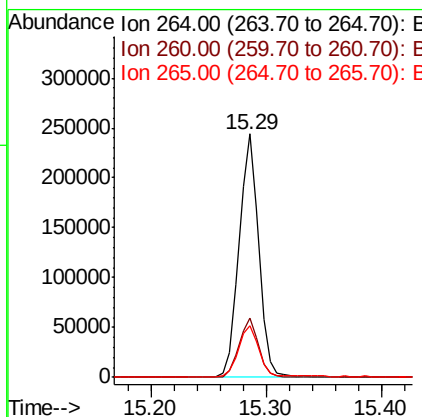
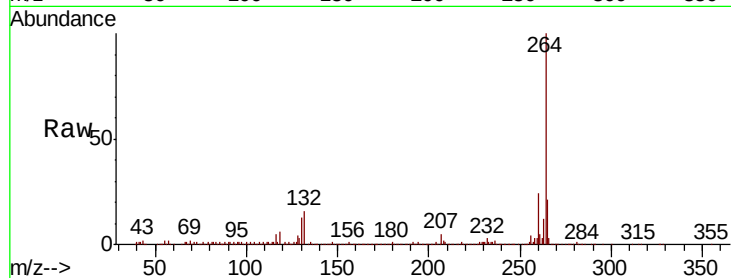




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112879.D
Acq: 6 Mar 2019 3:52

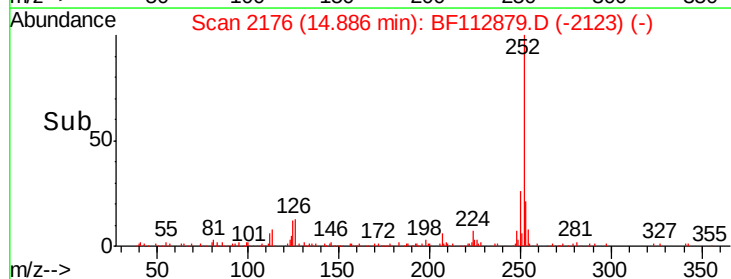
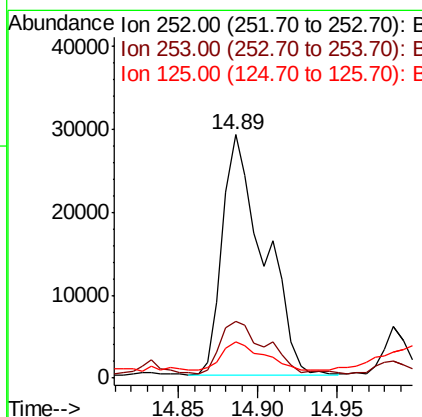
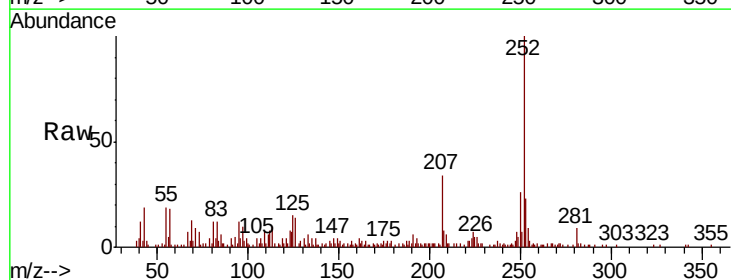
Instrument :
BNA_F
ClientSampleId :
PST-028-B004-022719

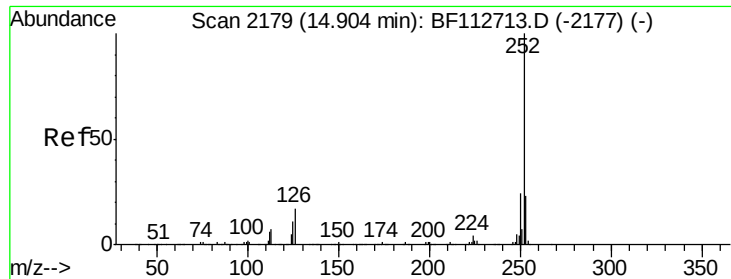
Tgt Ion:264 Resp: 288404
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 21.4 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 2.825 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112879.D
Acq: 6 Mar 2019 3:52

Tgt Ion:252 Resp: 52700
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 15.0 10.2 15.2





#89

Benzo(k)fluoranthene

Concen: 3.119 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.02 min

Lab File: BF112879.D

Acq: 6 Mar 2019 3:52

Instrument :

BNA_F

ClientSampleId :

PST-028-B004-022719

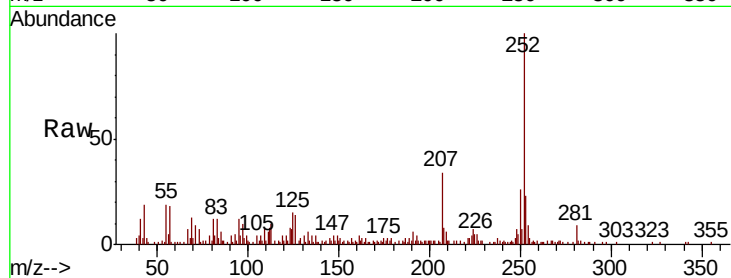
Tgt Ion: 252 Resp: 52700

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

125 15.0 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

