

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113221.D
 Acq On : 21 Mar 2019 21:13
 Operator : JU/SJ
 Sample : K2004-07 20X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19B(7-8)

Quant Time: Mar 22 00:45:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

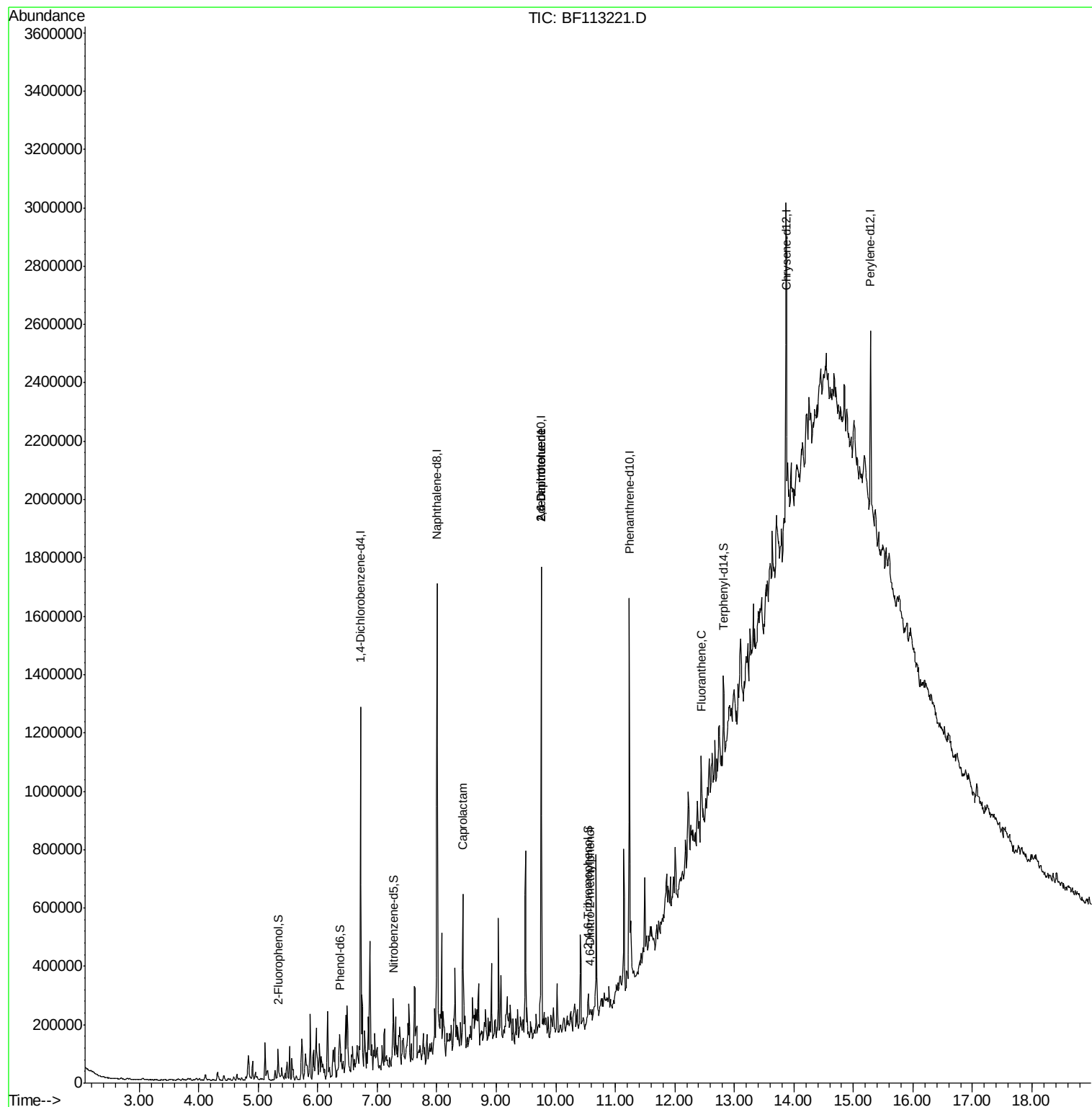
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	176458	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	700024	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	309716	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	575193	20.00	ng	-0.01
76) Chrysene-d12	13.87	240	436899	20.00	ng	0.00
87) Perylene-d12	15.29	264	336192	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	40932	3.61	ng	-0.01
7) Phenol-d6	6.36	99	65053	4.57	ng	-0.01
23) Nitrobenzene-d5	7.28	82	36037	3.08	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	14684	4.47	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	78362	1.91	ng	-0.01
79) Terphenyl-d14	12.82	244	65419	2.90	ng	0.00
Target Compounds						
35) Caprolactam	8.44	113	10757	3.123	ng	# 49
51) 2,6-Dinitrotoluene	9.76	165	40202	8.454	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	40202	6.801	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.57	198	687	4.875	ng	# 1
75) Fluoranthene	12.45	202	63603	2.074	ng	96

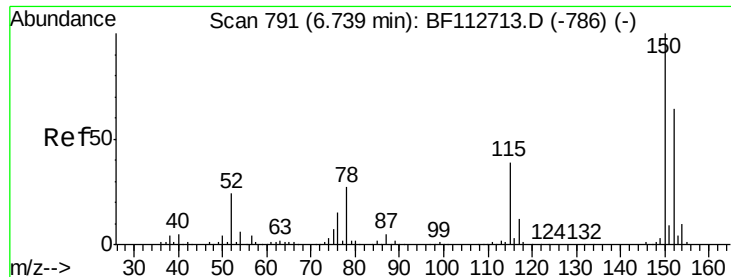
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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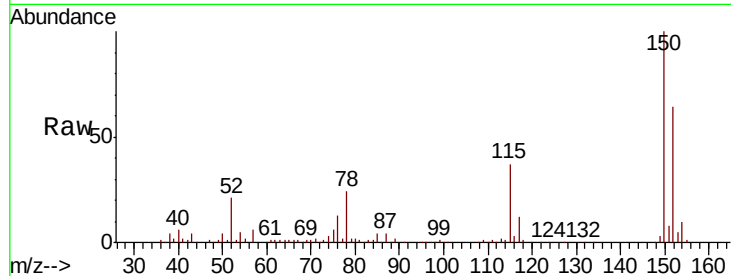




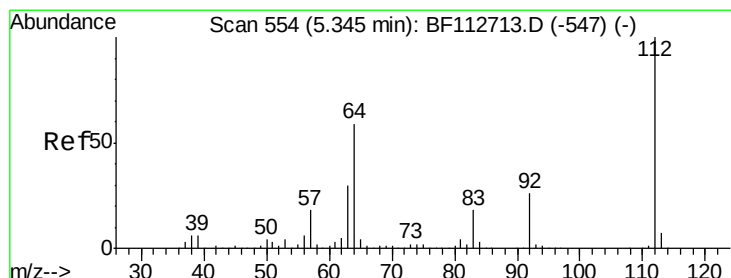
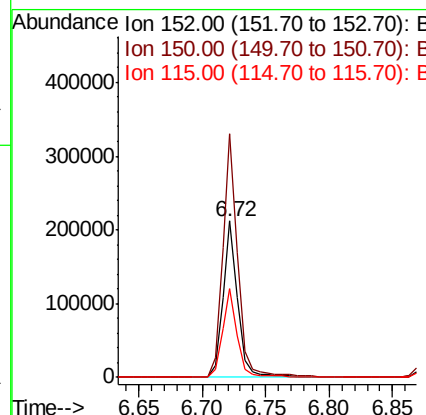
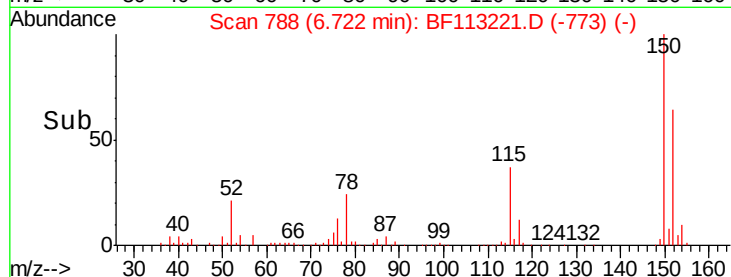
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113221.D
 Acq: 21 Mar 2019 21:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-19B(7-8)

Tgt Ion:152 Resp: 176458
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.2 186.2
 115 57.0 48.2 72.4

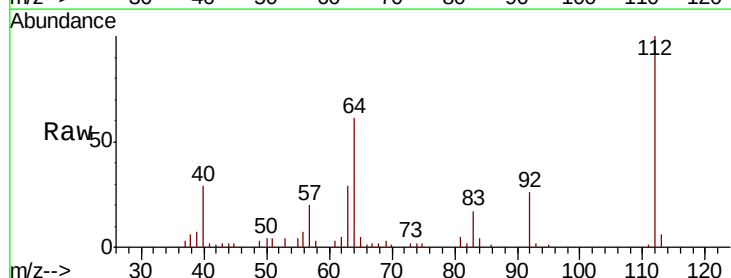


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

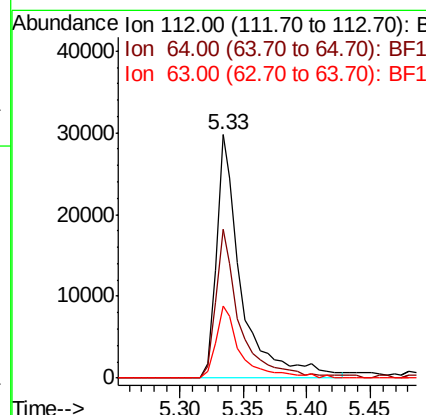
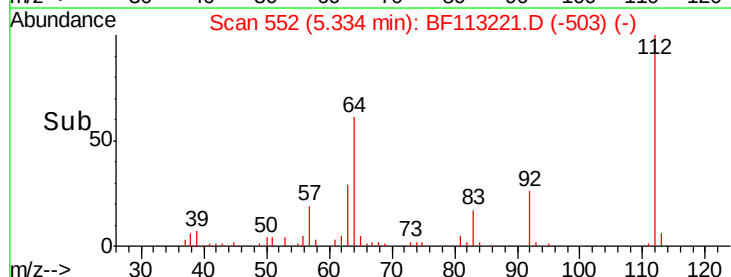


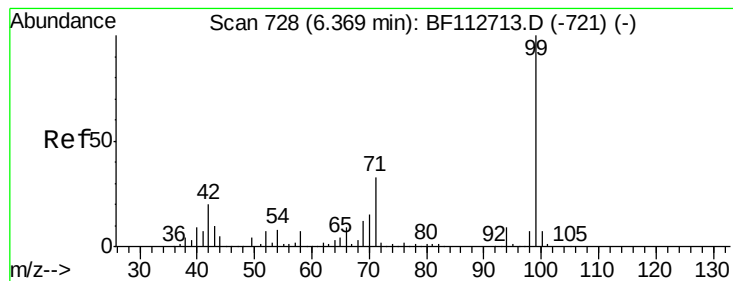
#5
 2-Fluorophenol
 Concen: 3.608 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113221.D
 Acq: 21 Mar 2019 21:13

Tgt Ion:112 Resp: 40932
 Ion Ratio Lower Upper
 112 100
 64 61.4 47.6 71.4
 63 29.4 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: 4.565 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113221.D

Acq: 21 Mar 2019 21:13

Instrument :

BNA_F

ClientSampled :

SB-19B(7-8)

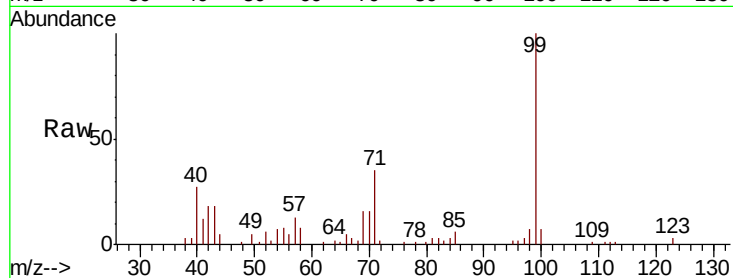
Tgt Ion: 99 Resp: 65053

Ion Ratio Lower Upper

99 100

42 18.5 16.3 24.5

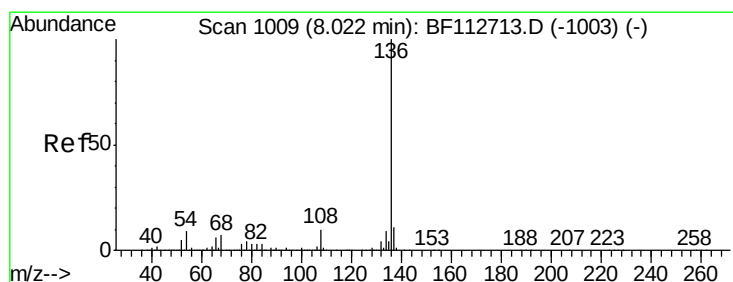
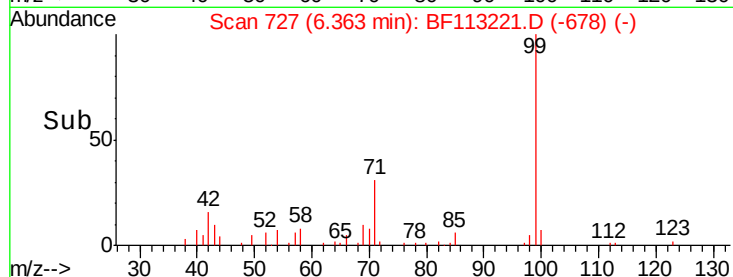
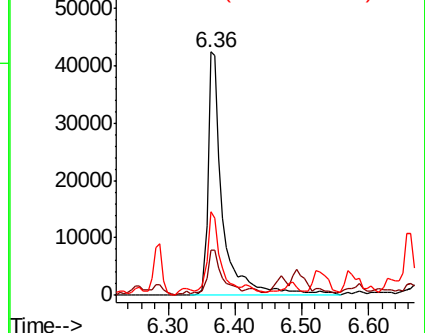
71 34.6 26.2 39.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113221.D

Acq: 21 Mar 2019 21:13

Tgt Ion: 136 Resp: 700024

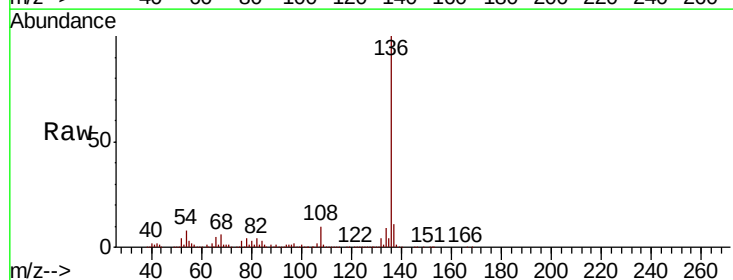
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.2 7.3 10.9

68 6.2 5.4 8.2

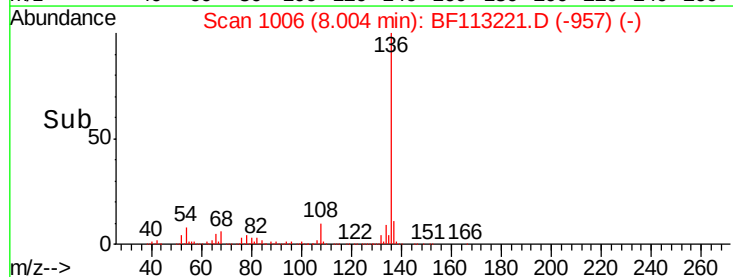
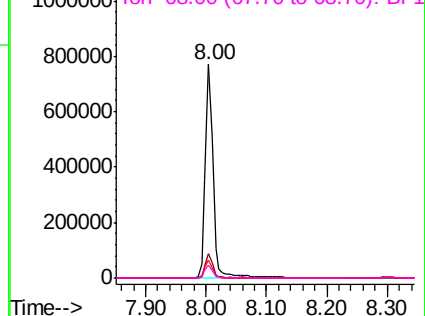


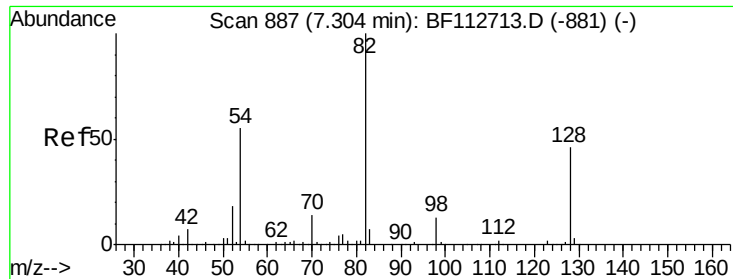
Abundance Ion 136.00 (135.70 to 136.70): E

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

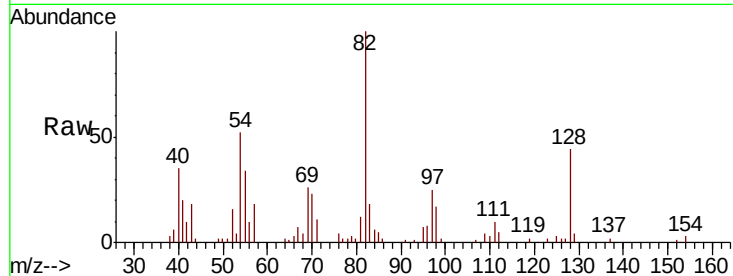




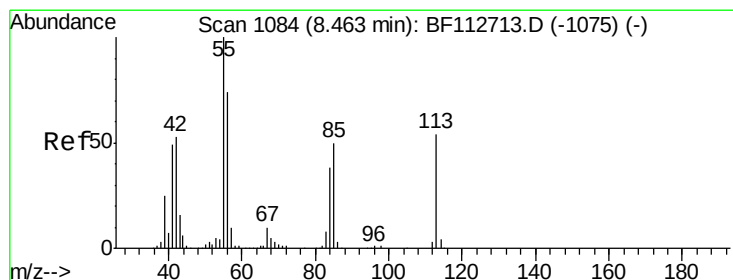
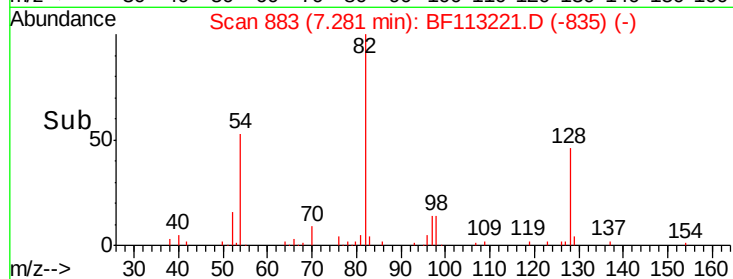
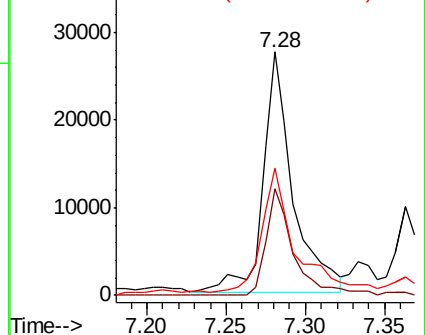
#23
 Nitrobenzene-d5
 Concen: 3.080 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF113221.D
 Acq: 21 Mar 2019 21:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-19B(7-8)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.3	54.5
54	52.3	43.7	65.5

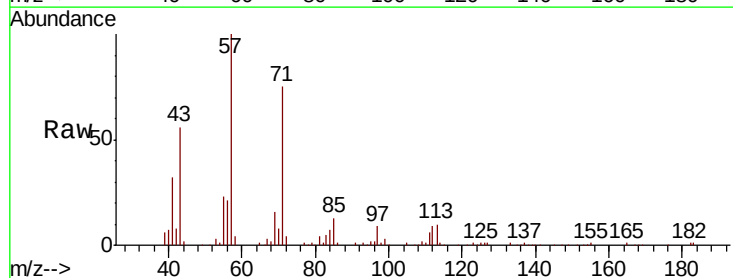


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

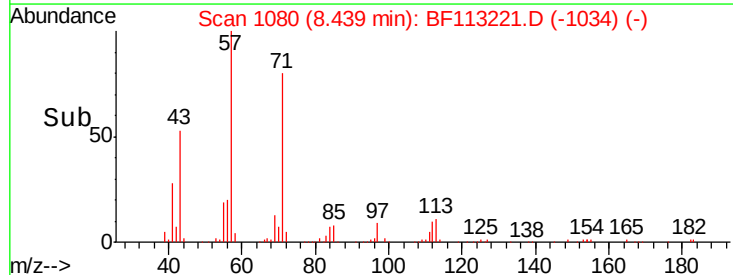
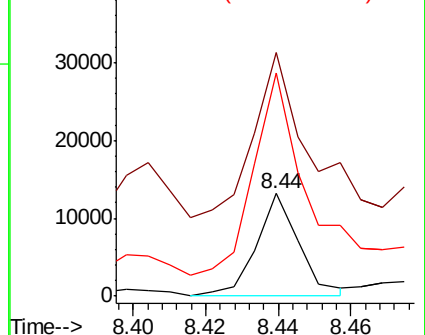


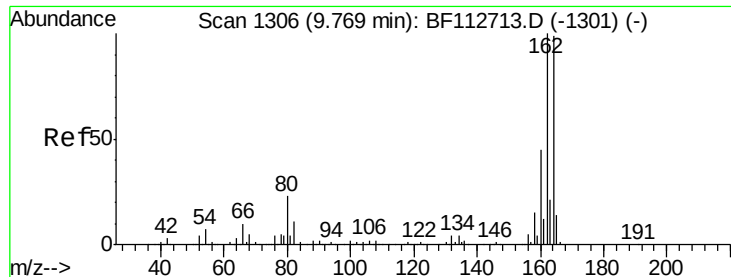
#35
 Caprolactam
 Concen: 3.123 ng
 RT: 8.44 min Scan# 1080
 Delta R.T. -0.03 min
 Lab File: BF113221.D
 Acq: 21 Mar 2019 21:13

Tgt Ion	Ratio	Lower	Upper
113	100		
55	237.3	163.5	203.5#
56	217.2	115.3	155.3#



Abundance Ion 113.00 (112.70 to 113.70): BF1
 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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113221.D

Acq: 21 Mar 2019 21:13

Instrument :

BNA_F

ClientSampleId :

SB-19B(7-8)

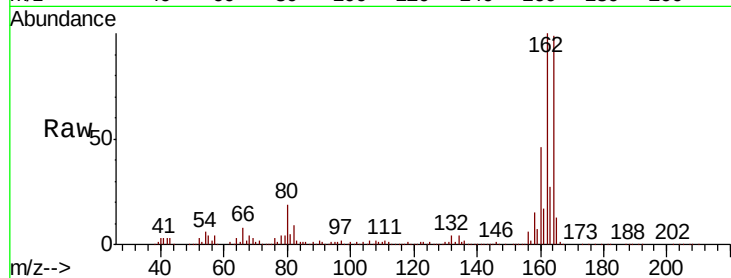
Tgt Ion:164 Resp: 309716

Ion Ratio Lower Upper

164 100

162 101.4 80.6 120.8

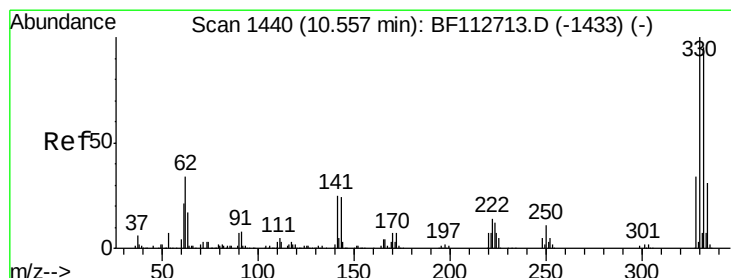
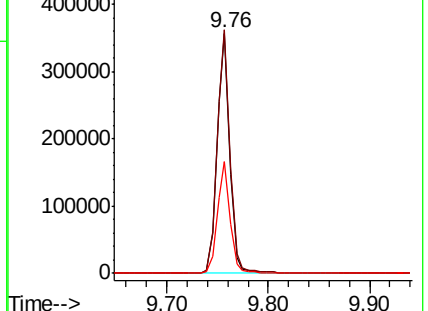
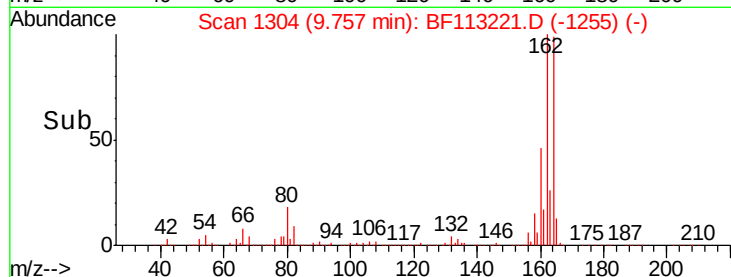
160 46.3 36.0 54.0



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: 4.466 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113221.D

Acq: 21 Mar 2019 21:13

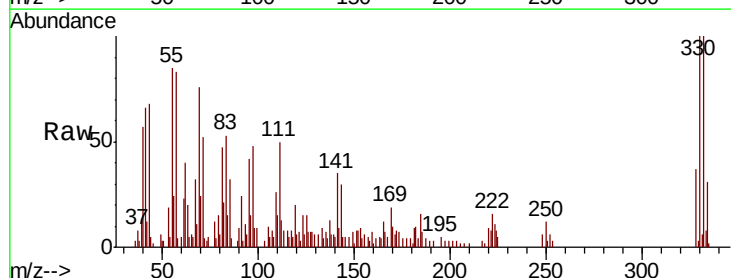
Tgt Ion:330 Resp: 14684

Ion Ratio Lower Upper

330 100

332 99.0 76.2 114.4

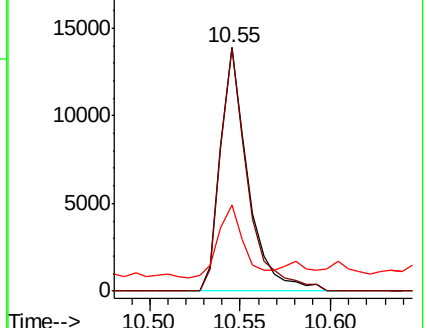
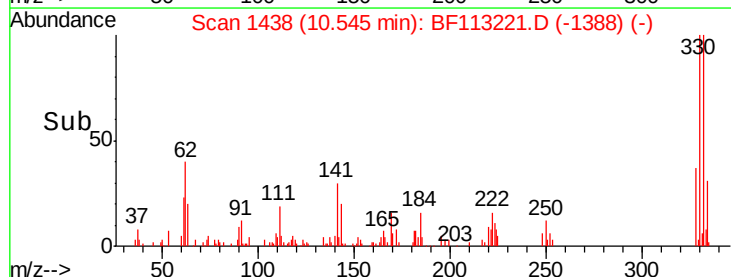
141 28.1 27.0 40.6

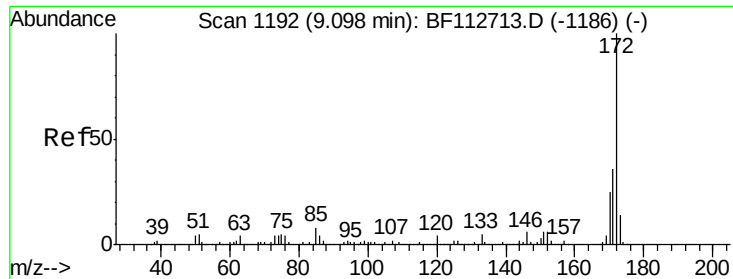


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

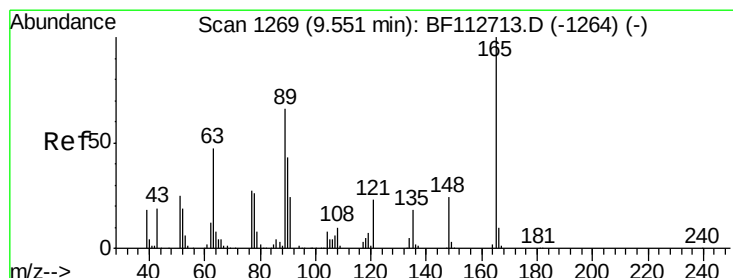
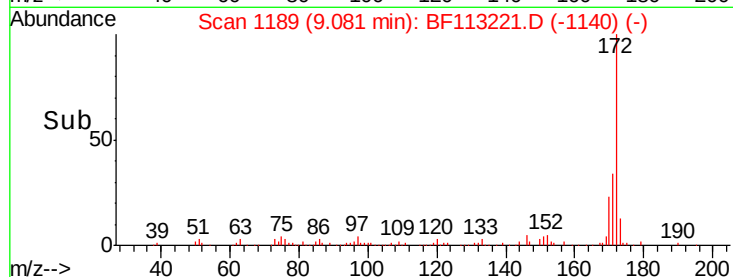
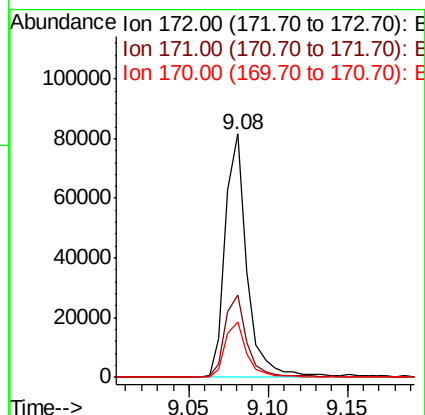
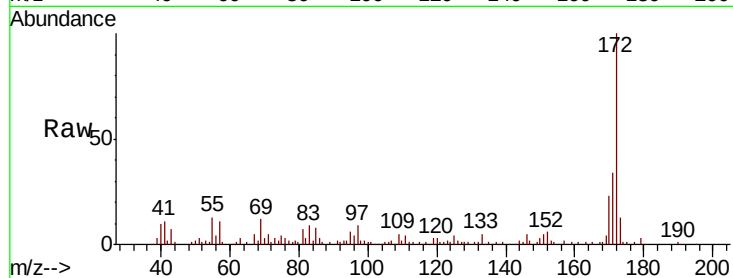




#45
 2-Fluorobiphenyl
 Concen: 1.909 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113221.D
 Acq: 21 Mar 2019 21:13

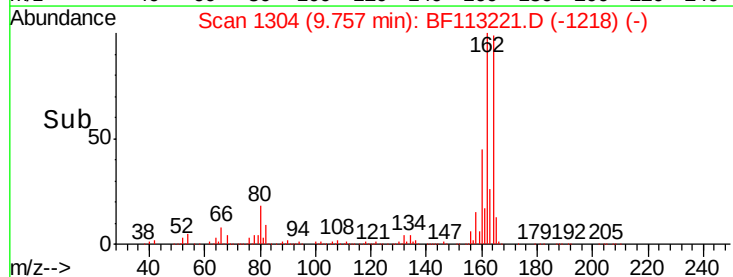
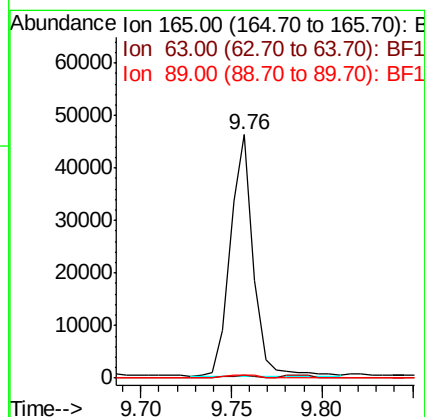
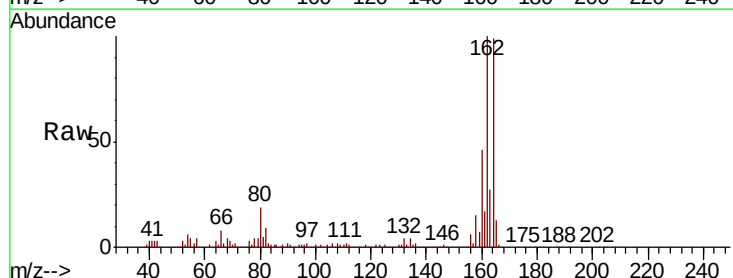
Instrument :
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 SB-19B(7-8)

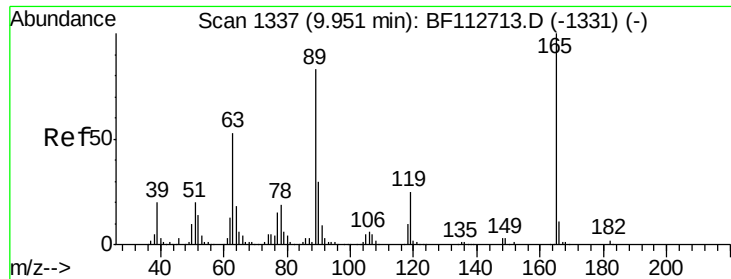
Tgt Ion:172 Resp: 78362
 Ion Ratio Lower Upper
 172 100
 171 33.6 29.0 43.4
 170 22.8 20.0 30.0



#51
 2,6-Dinitrotoluene
 Concen: 8.454 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113221.D
 Acq: 21 Mar 2019 21:13

Tgt Ion:165 Resp: 40202
 Ion Ratio Lower Upper
 165 100
 63 1.1 54.1 81.1#
 89 1.4 52.8 79.2#

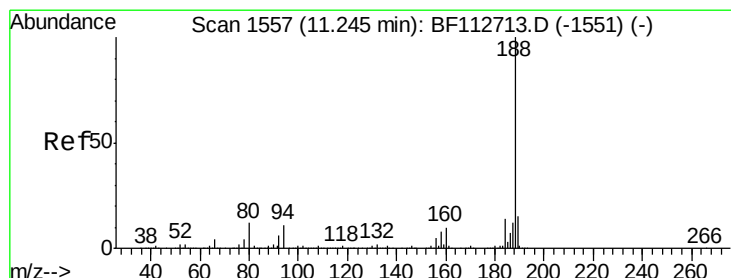
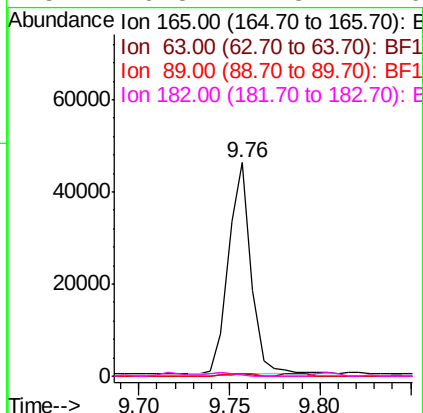
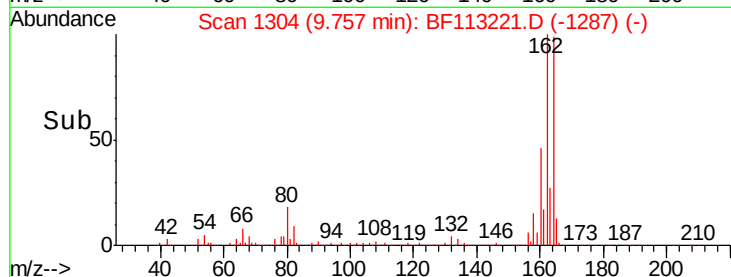
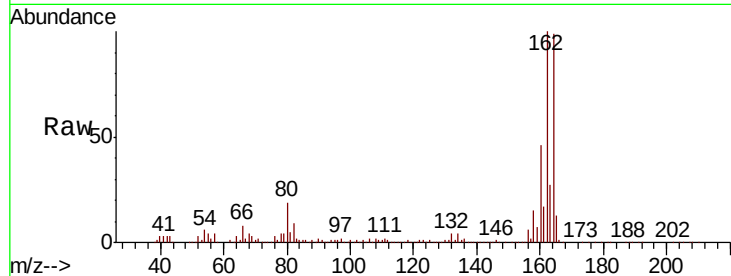




#57
 2,4-Dinitrotoluene
 Concen: 6.801 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113221.D
 Acq: 21 Mar 2019 21:13

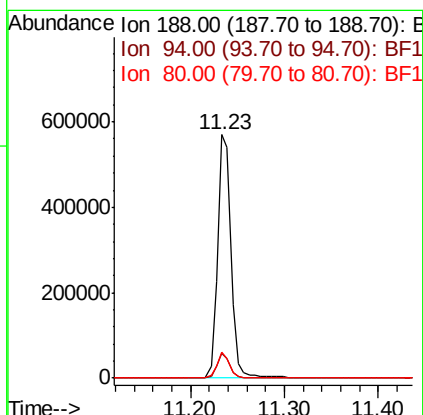
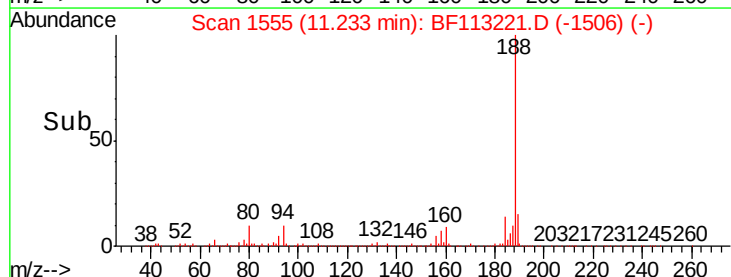
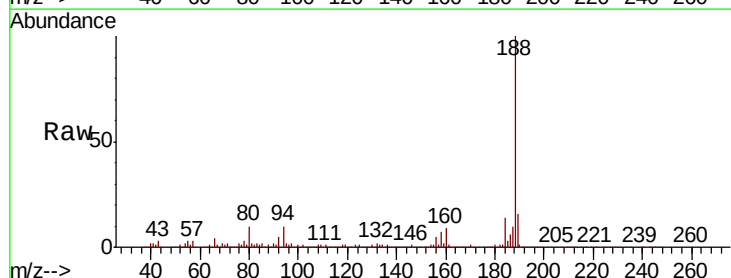
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 SB-19B(7-8)

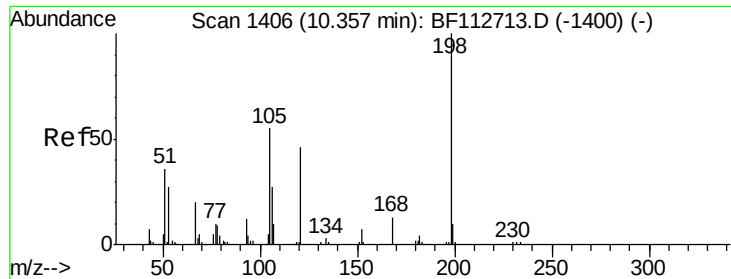
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.2	63.2#
89	1.4	66.2	99.4#
182	0.8	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113221.D
 Acq: 21 Mar 2019 21:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.0	13.4
80	10.4	9.2	13.8

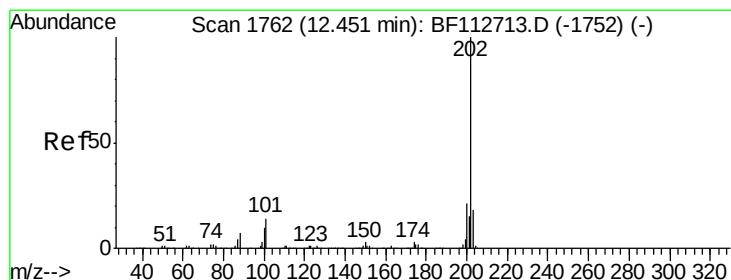
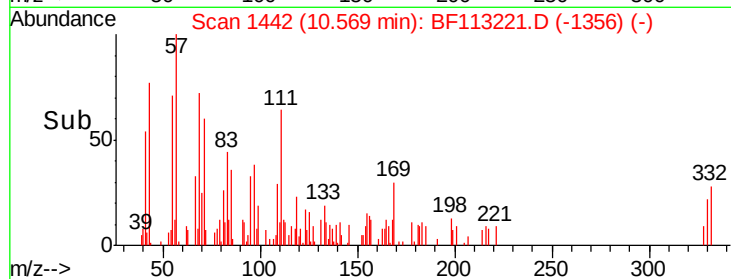
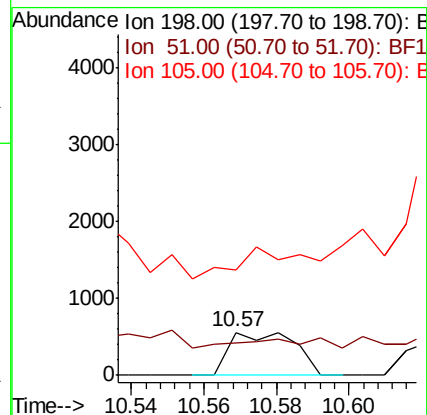
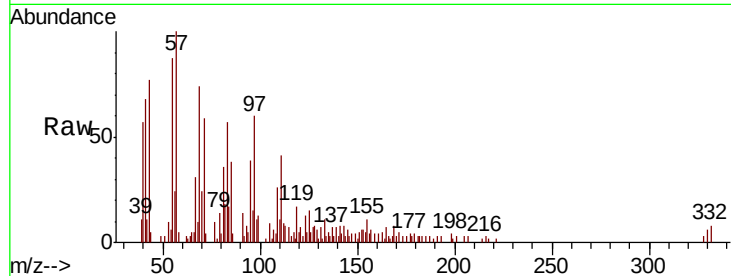




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.875 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.21 min
 Lab File: BF113221.D
 Acq: 21 Mar 2019 21:13

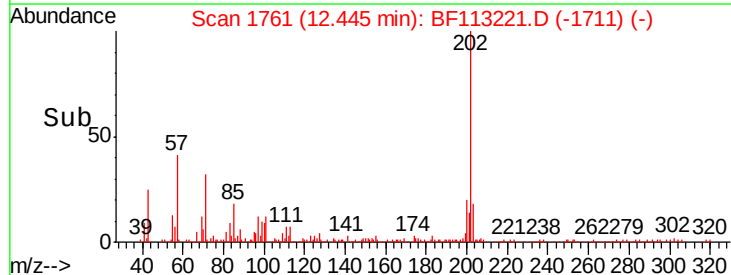
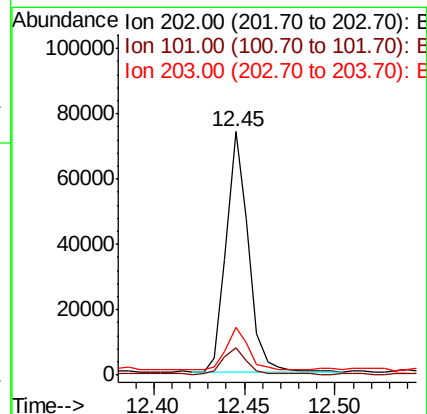
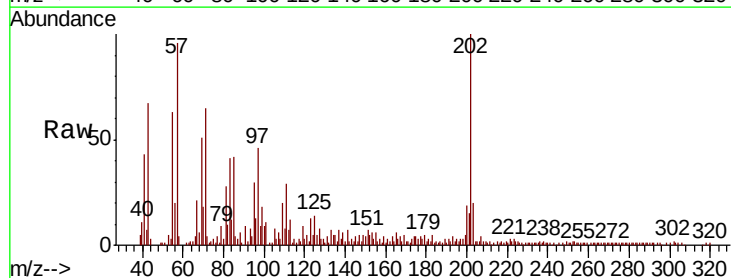
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 SB-19B(7-8)

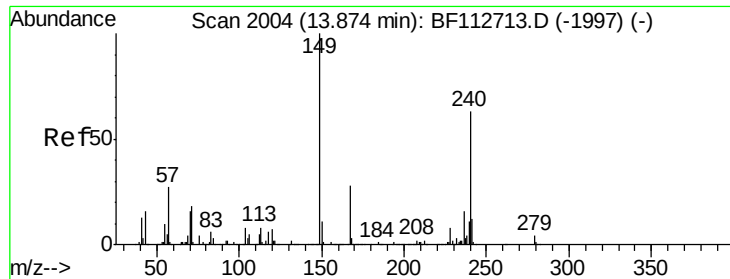
Tgt Ion:198 Resp: 687
 Ion Ratio Lower Upper
 198 100
 51 75.1 43.8 83.8
 105 246.5 36.5 76.5#



#75
 Fluoranthene
 Concen: 2.074 ng
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF113221.D
 Acq: 21 Mar 2019 21:13

Tgt Ion:202 Resp: 63603
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 33.8
 203 19.8 0.0 38.4

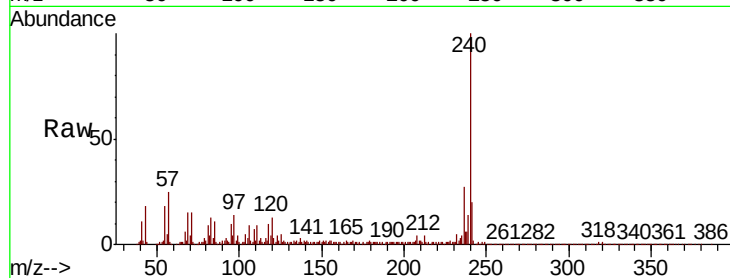




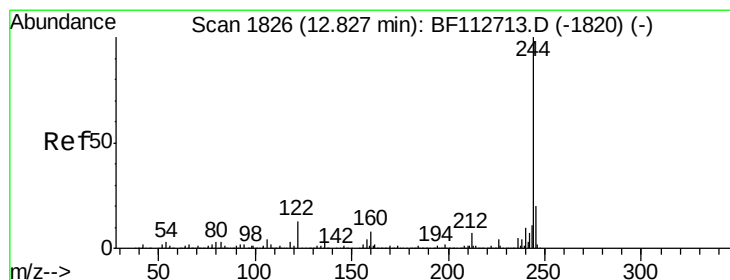
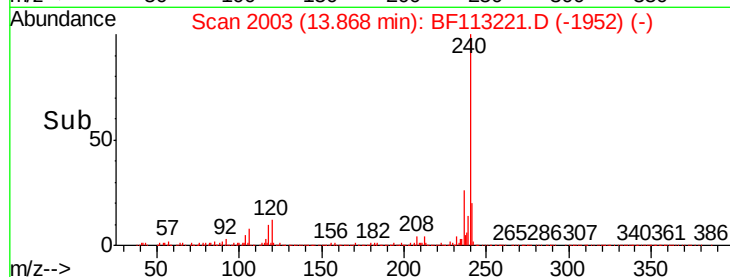
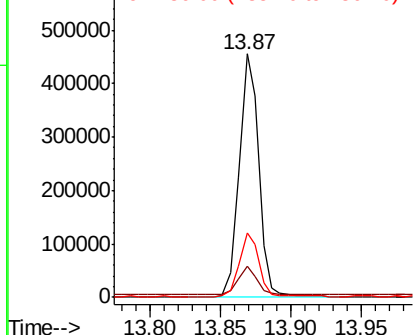
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF113221.D
Acq: 21 Mar 2019 21:13

Instrument :
BNA_F
ClientSampleId :
SB-19B(7-8)

Tgt Ion:240 Resp: 436899
Ion Ratio Lower Upper
240 100
120 12.6 8.9 13.3
236 26.7 20.7 31.1

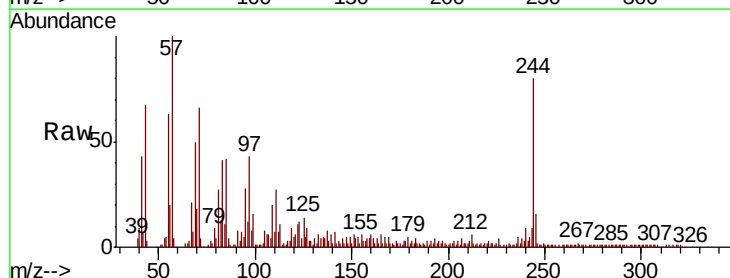


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

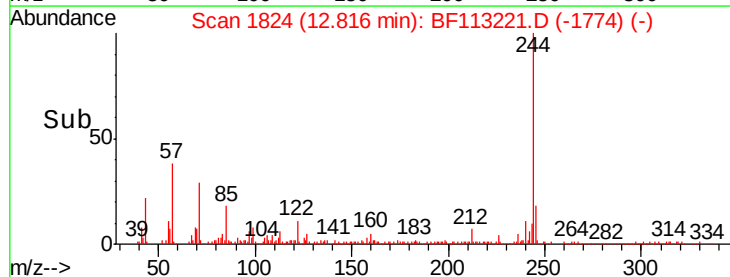
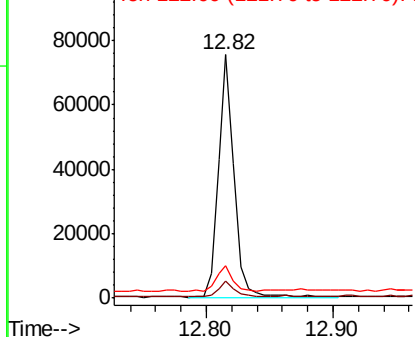


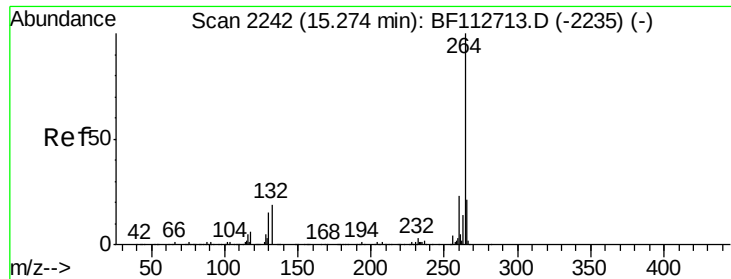
#79
Terphenyl-d14
Concen: 2.903 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113221.D
Acq: 21 Mar 2019 21:13

Tgt Ion:244 Resp: 65419
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 13.4 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

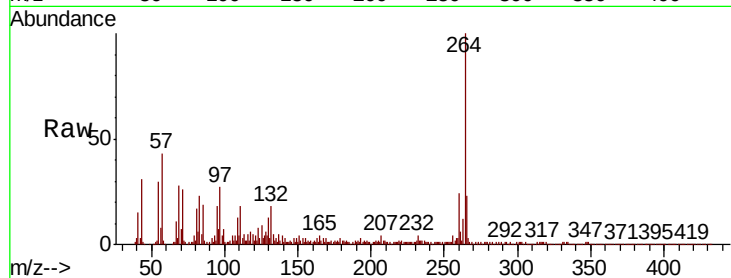




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF113221.D
Acq: 21 Mar 2019 21:13

Instrument :
BNA_F
ClientSampleId :
SB-19B(7-8)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.7	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

