

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113214.D
 Acq On : 21 Mar 2019 17:55
 Operator : JU/SJ
 Sample : K2004-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20(14-15)

Quant Time: Mar 22 00:44:23 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	171102	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	626661	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	252099	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	482357	20.00	ng	-0.01
76) Chrysene-d12	13.87	240	384314	20.00	ng	0.00
87) Perylene-d12	15.28	264	325341	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1101669	100.16	ng	0.00
7) Phenol-d6	6.37	99	1552875	112.39	ng	0.00
23) Nitrobenzene-d5	7.29	82	949385	90.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	410663	153.44	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1527255	107.98	ng	-0.01
79) Terphenyl-d14	12.82	244	1202709	60.67	ng	0.00

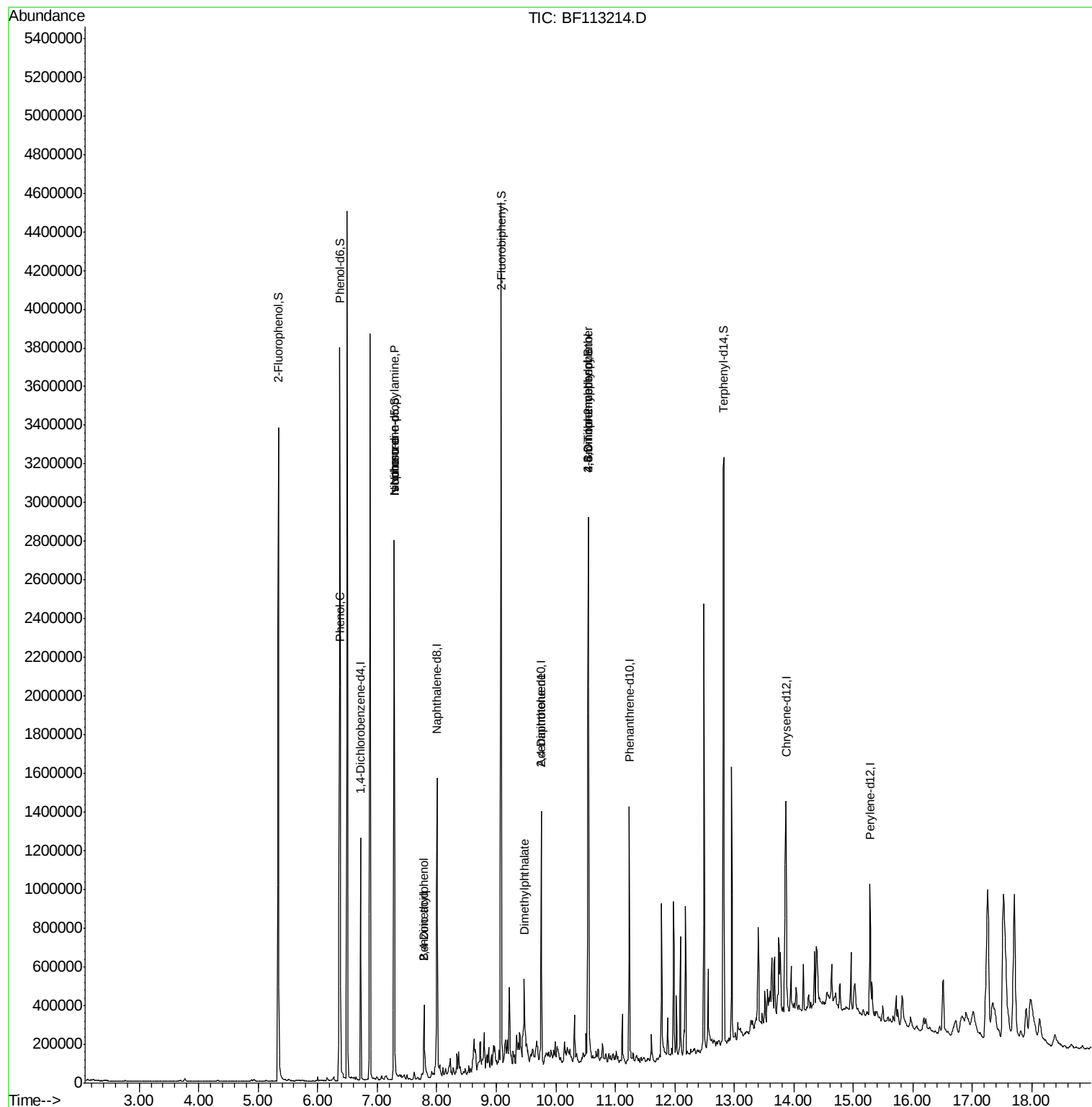
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	93352	5.790	ng	89
19) n-Nitroso-di-n-propylamine	7.29	70	126407	14.445	ng	# 77
25) Isophorone	7.29	82	945223	41.895	ng	# 66
27) 2,4-Dimethylphenol	7.79	122	75065	8.316	ng	# 3
32) Benzoic acid	7.79	122	75196	11.885	ng	# 22
50) Dimethylphthalate	9.47	163	164813	8.866	ng	98
57) 2,4-Dinitrotoluene	9.76	165	32899	6.837	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.55	198	648	4.908	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	23411	4.608	ng	# 1

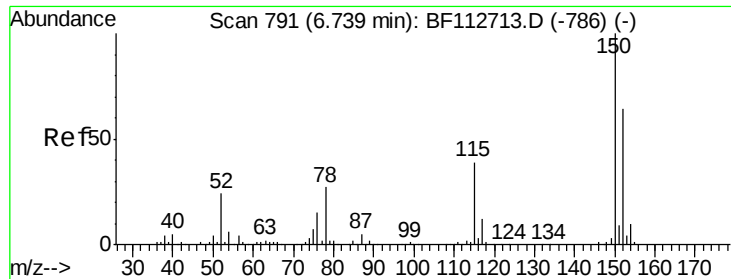
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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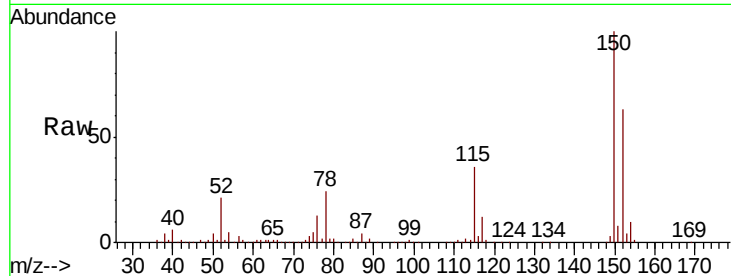


#1

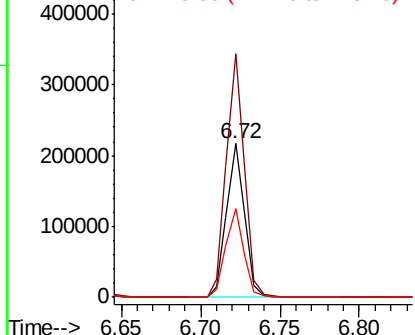
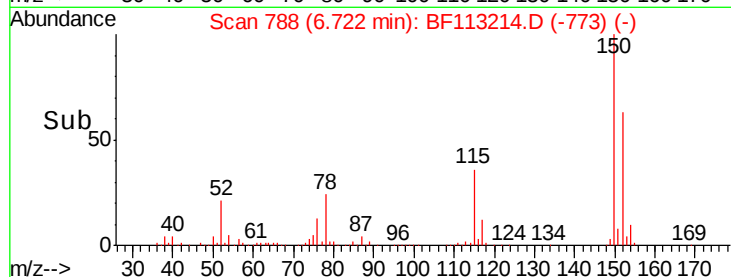
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113214.D
Acq: 21 Mar 2019 17:55

Instrument :
BNA_F
ClientSampleId :
SB-20(14-15)

Tgt Ion:152 Resp: 171102
Ion Ratio Lower Upper
152 100
150 158.2 124.2 186.2
115 57.3 48.2 72.4



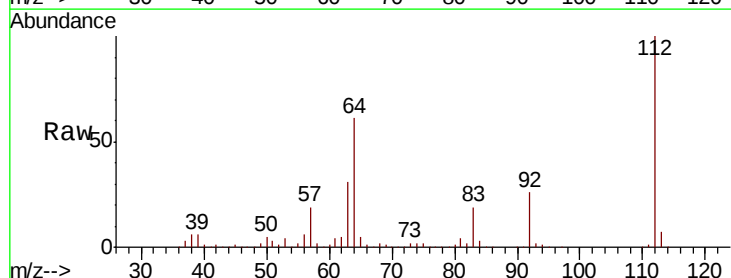
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



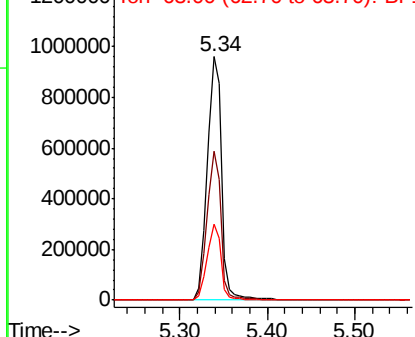
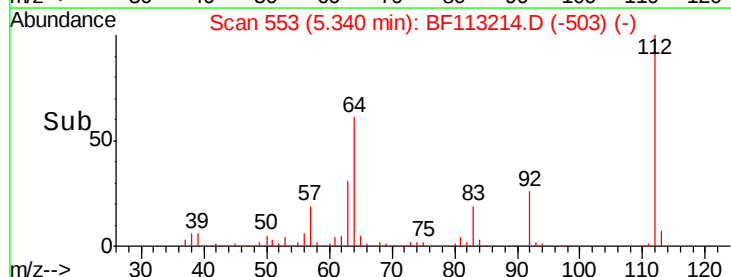
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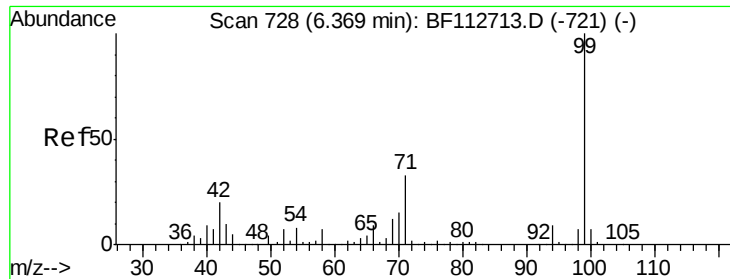
2-Fluorophenol
Concen: 100.156 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113214.D
Acq: 21 Mar 2019 17:55

Tgt Ion:112 Resp: 1101669
Ion Ratio Lower Upper
112 100
64 61.3 47.6 71.4
63 31.4 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: 112.387 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113214.D

Acq: 21 Mar 2019 17:55

Instrument :

BNA_F

ClientSampleId :

SB-20(14-15)

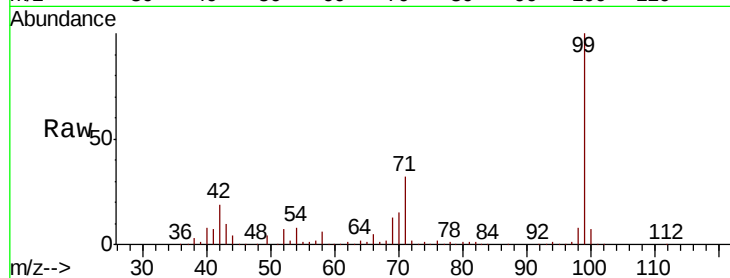
Tgt Ion: 99 Resp: 1552875

Ion Ratio Lower Upper

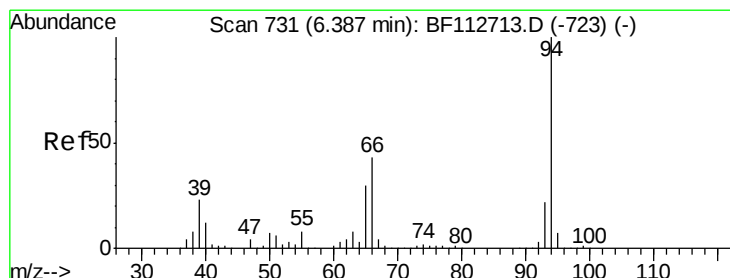
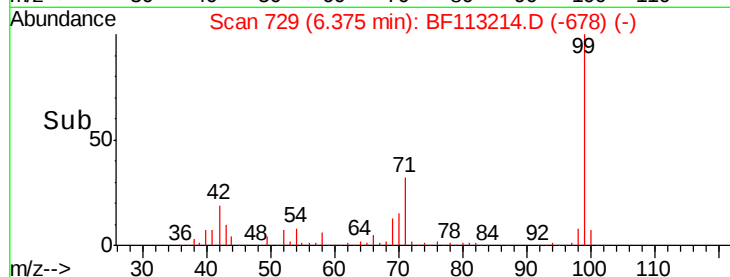
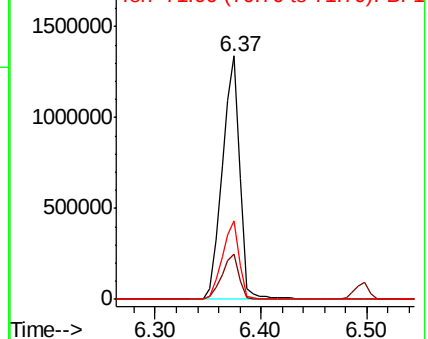
99 100

42 18.7 16.3 24.5

71 32.5 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: 5.790 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF113214.D

Acq: 21 Mar 2019 17:55

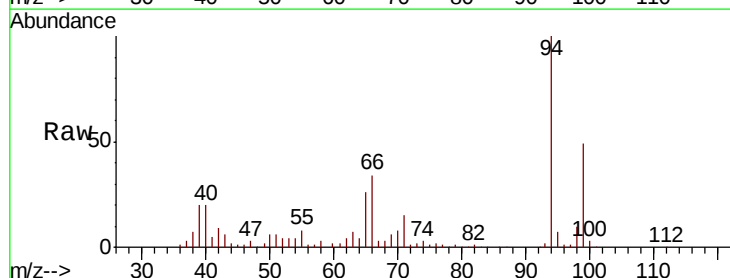
Tgt Ion: 94 Resp: 93352

Ion Ratio Lower Upper

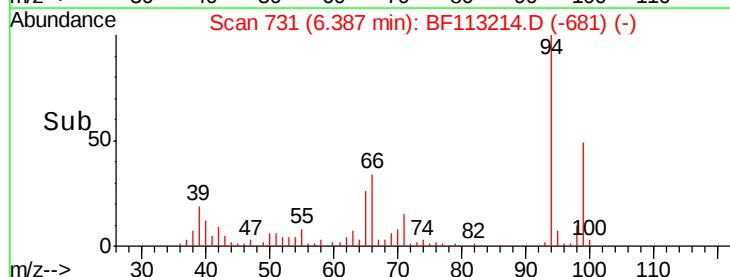
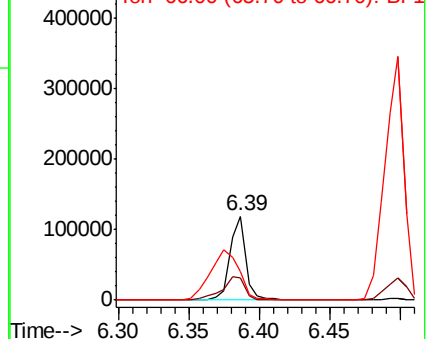
94 100

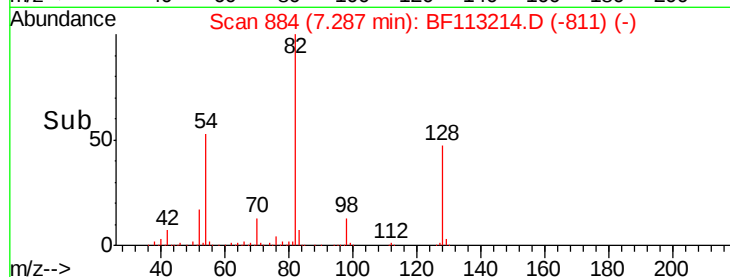
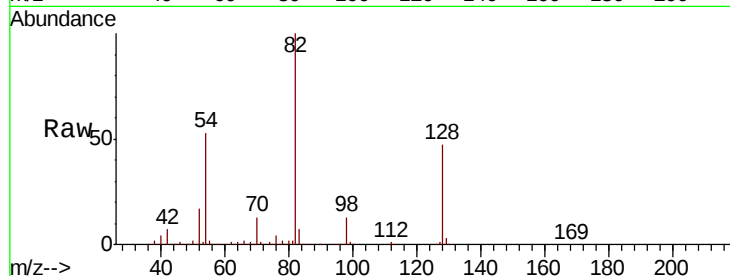
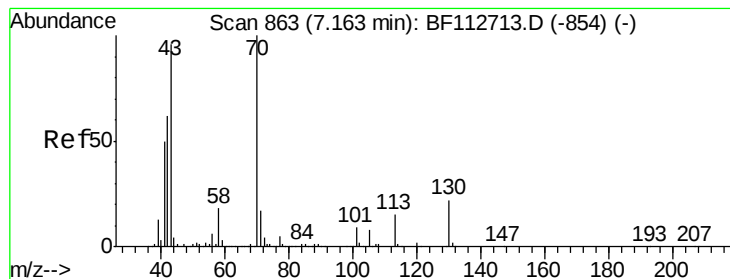
65 26.0 10.5 50.5

66 34.4 22.6 62.6



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





#19

n-Nitroso-di-n-propylamine

Concen: 14.445 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF113214.D

Acq: 21 Mar 2019 17:55

Instrument :

BNA_F

ClientSampleId :

SB-20(14-15)

Tgt Ion: 70 Resp: 126407

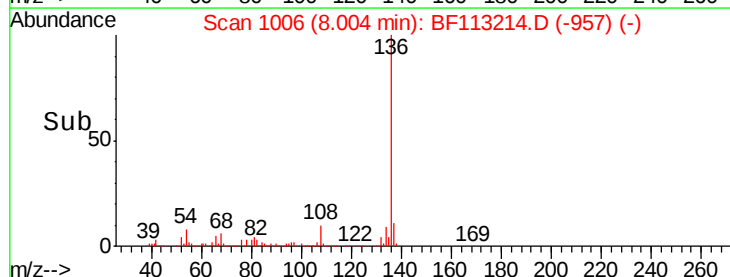
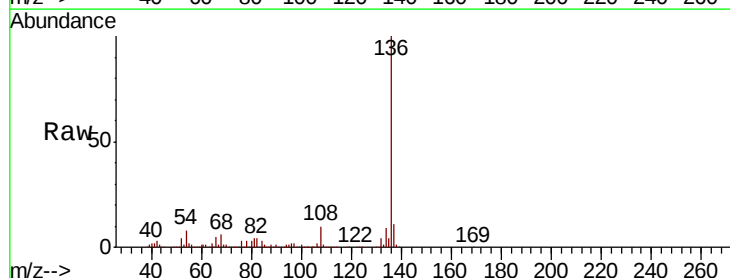
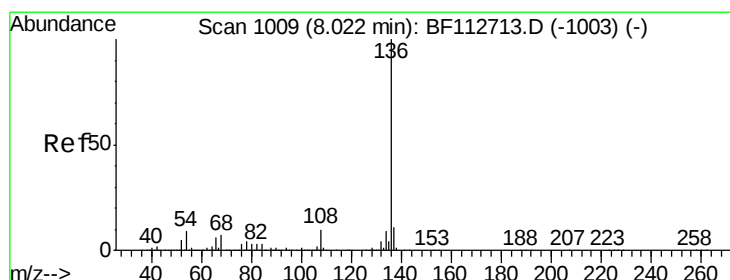
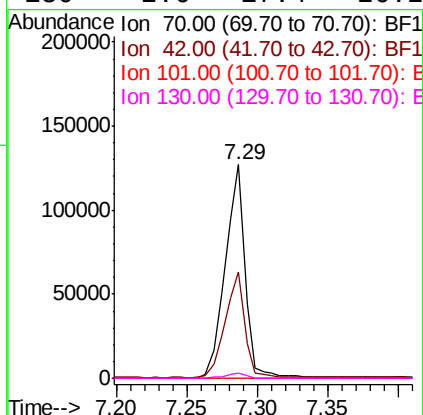
Ion Ratio Lower Upper

70 100

42 50.0 49.9 74.9

101 0.0 7.4 11.2#

130 2.6 17.4 26.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113214.D

Acq: 21 Mar 2019 17:55

Tgt Ion: 136 Resp: 626661

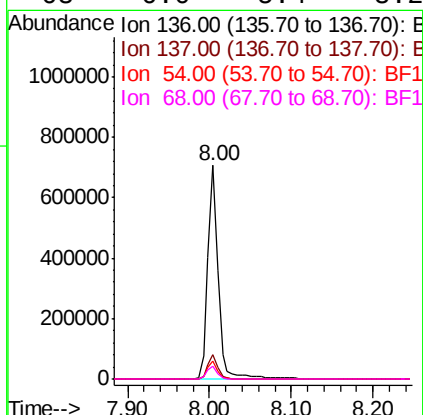
Ion Ratio Lower Upper

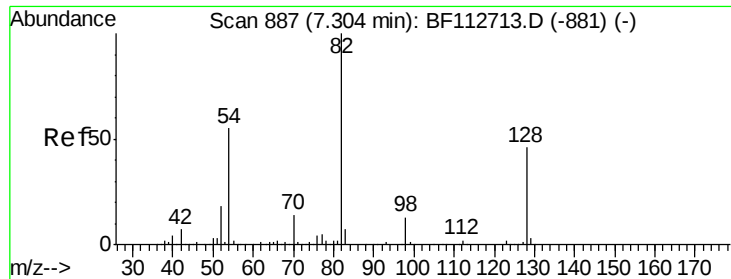
136 100

137 11.3 8.9 13.3

54 8.4 7.3 10.9

68 6.0 5.4 8.2

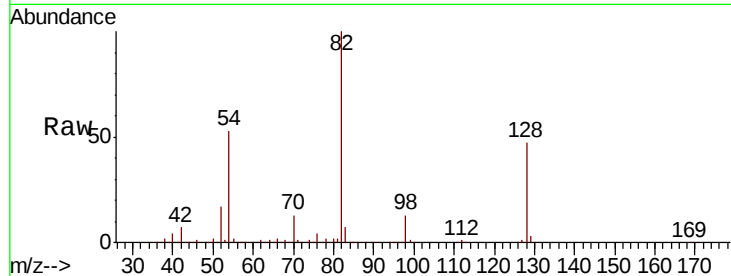




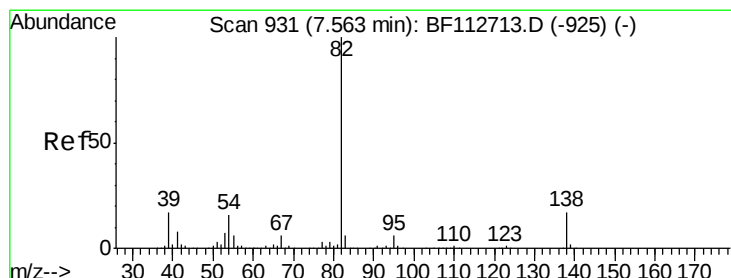
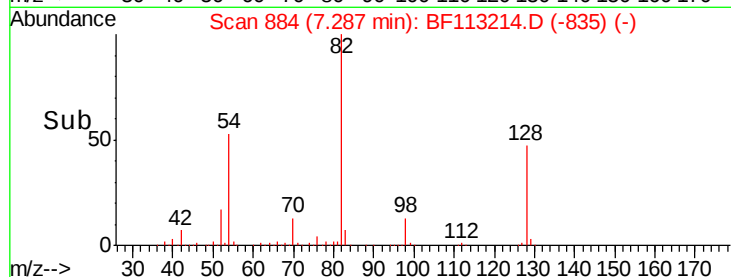
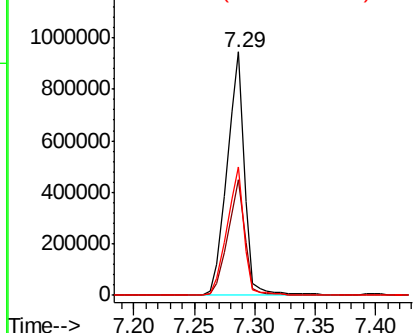
#23
 Nitrobenzene-d5
 Concen: 90.654 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF113214.D
 Acq: 21 Mar 2019 17:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-20(14-15)

Tgt Ion: 82 Resp: 949385
 Ion Ratio Lower Upper
 82 100
 128 47.3 36.3 54.5
 54 52.6 43.7 65.5

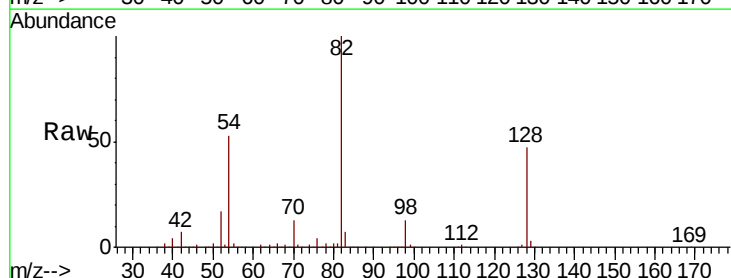


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

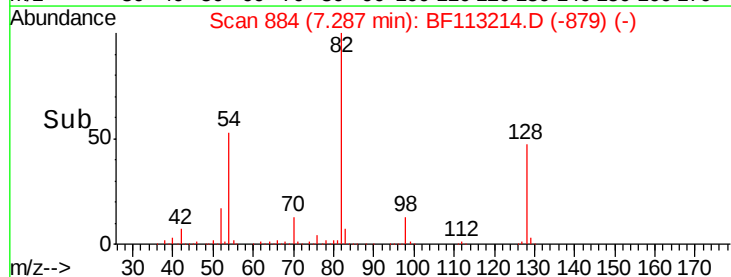
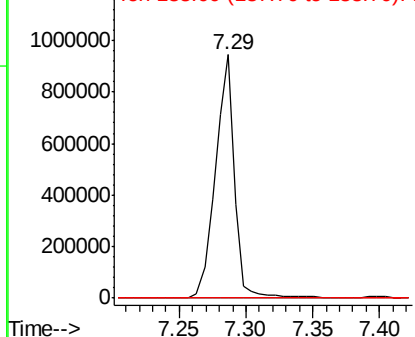


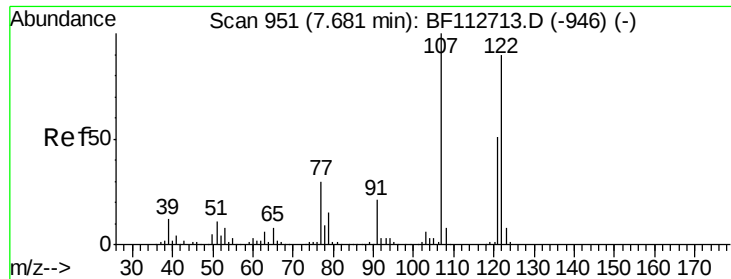
#25
 Isophorone
 Concen: 41.895 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.27 min
 Lab File: BF113214.D
 Acq: 21 Mar 2019 17:55

Tgt Ion: 82 Resp: 945223
 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

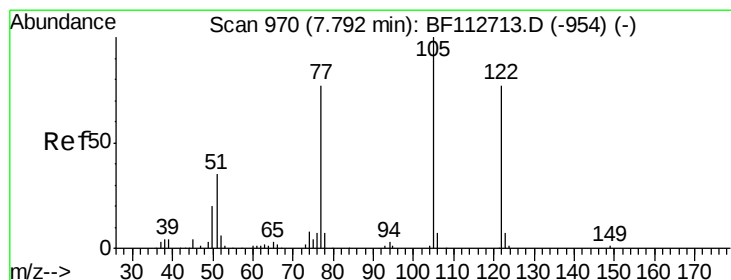
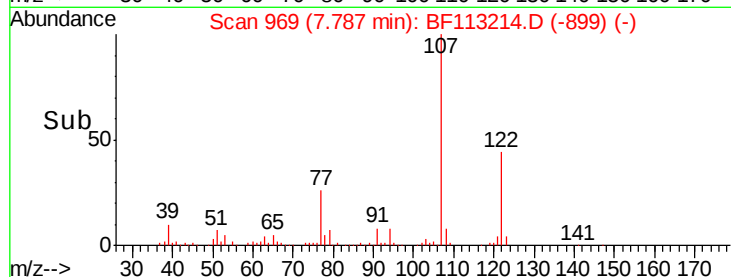
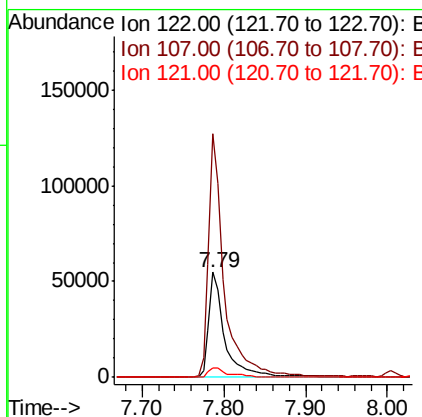
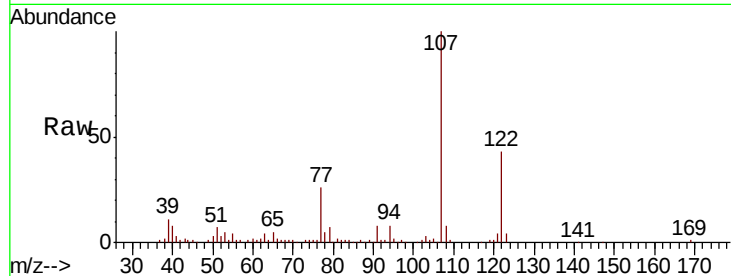




#27
2,4-Dimethylphenol
Concen: 8.316 ng
RT: 7.79 min Scan# 969
Delta R.T. 0.11 min
Lab File: BF113214.D
Acq: 21 Mar 2019 17:55

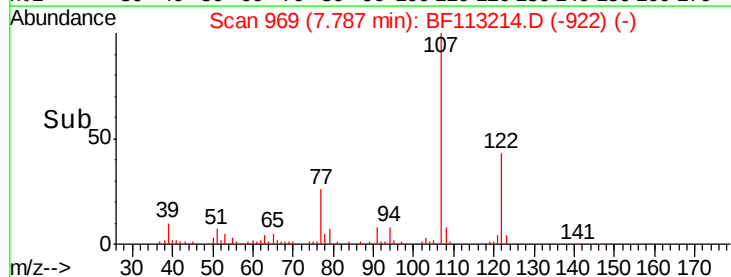
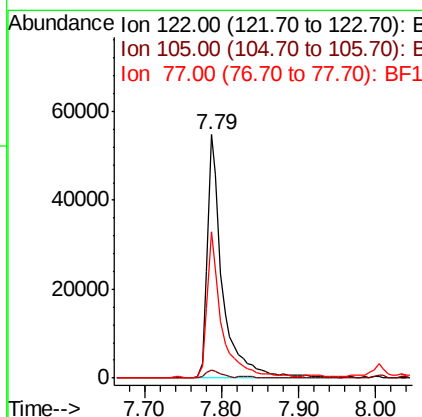
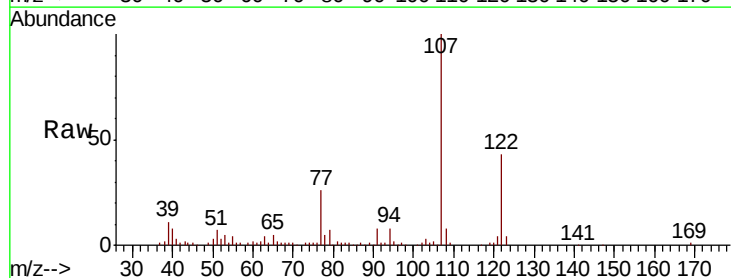
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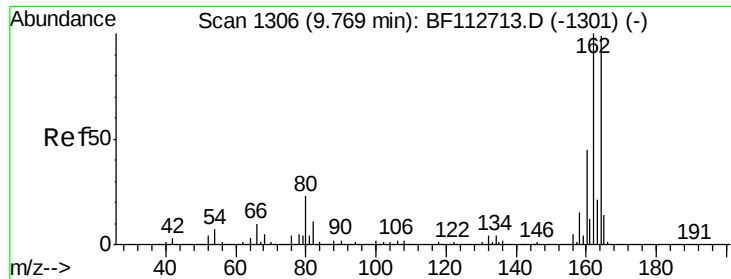
Tgt Ion:122 Resp: 75065
Ion Ratio Lower Upper
122 100
107 231.9 89.4 134.0#
121 9.4 45.5 68.3#



#32
Benzoic acid
Concen: 11.885 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF113214.D
Acq: 21 Mar 2019 17:55

Tgt Ion:122 Resp: 75196
Ion Ratio Lower Upper
122 100
105 3.5 106.8 146.8#
77 60.1 79.4 119.4#

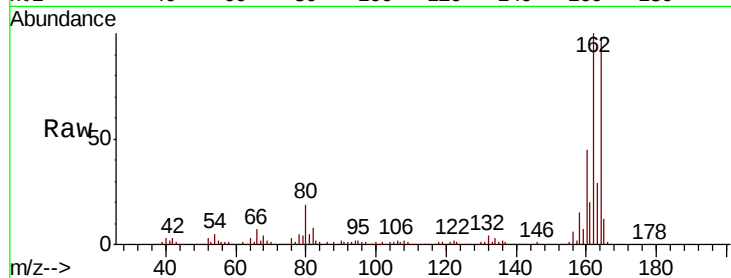




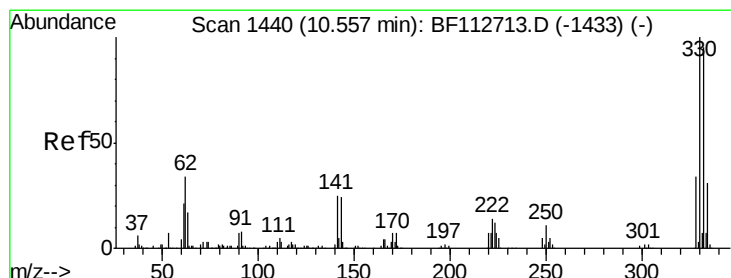
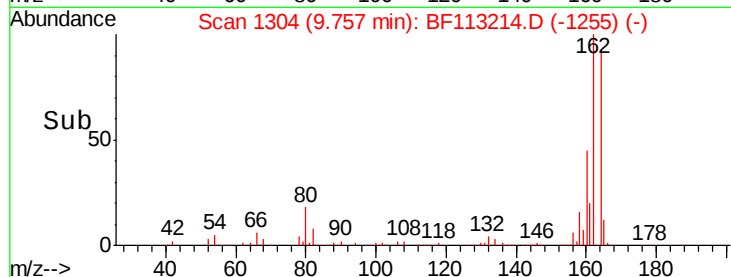
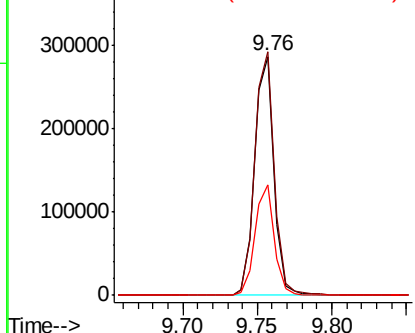
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113214.D
 Acq: 21 Mar 2019 17:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-20(14-15)

Tgt Ion:164 Resp: 252099
 Ion Ratio Lower Upper
 164 100
 162 102.0 80.6 120.8
 160 46.2 36.0 54.0

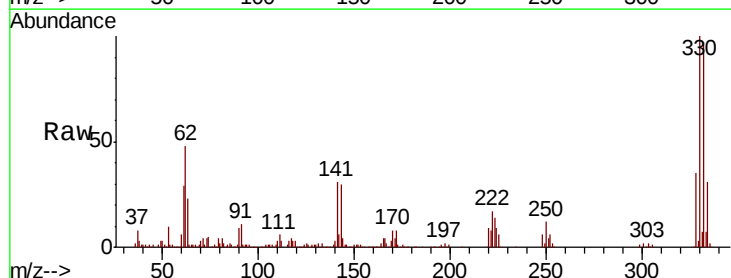


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

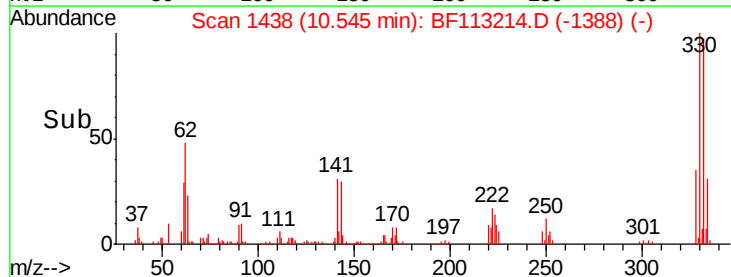
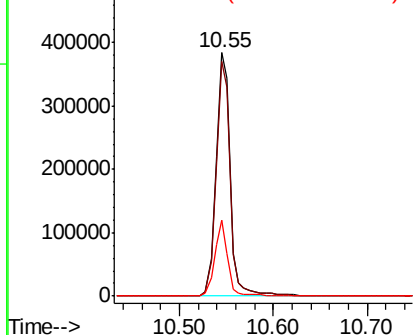


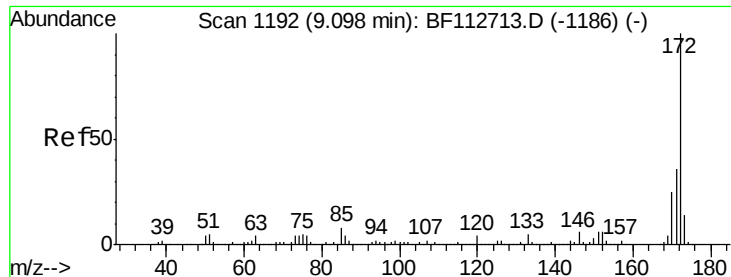
#42
 2,4,6-Tribromophenol
 Concen: 153.442 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113214.D
 Acq: 21 Mar 2019 17:55

Tgt Ion:330 Resp: 410663
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.2 114.4
 141 28.6 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

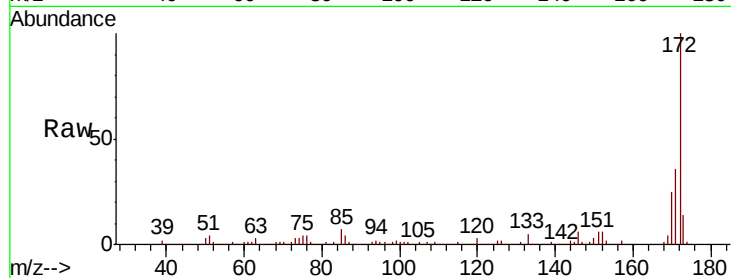




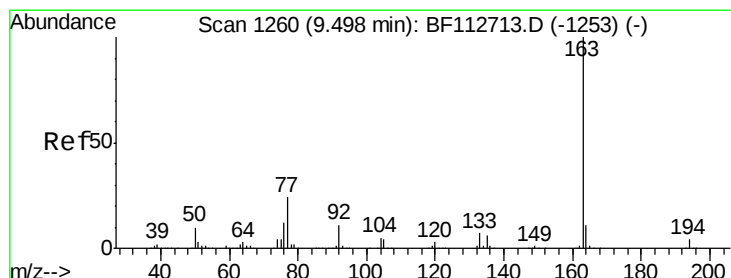
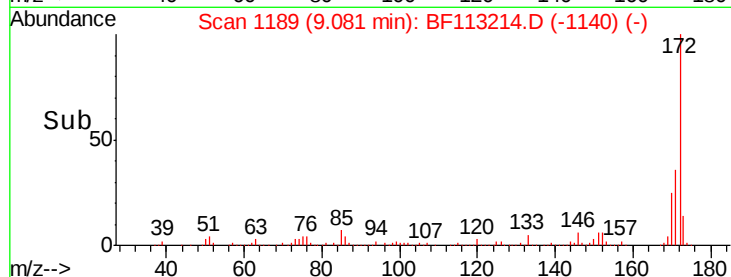
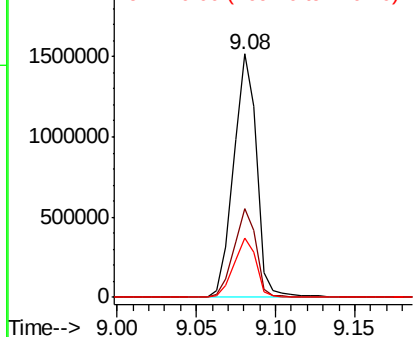
#45
 2-Fluorobiphenyl
 Concen: 107.981 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113214.D
 Acq: 21 Mar 2019 17:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-20(14-15)

Tgt Ion:172 Resp: 1527255
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.4
 170 24.6 20.0 30.0

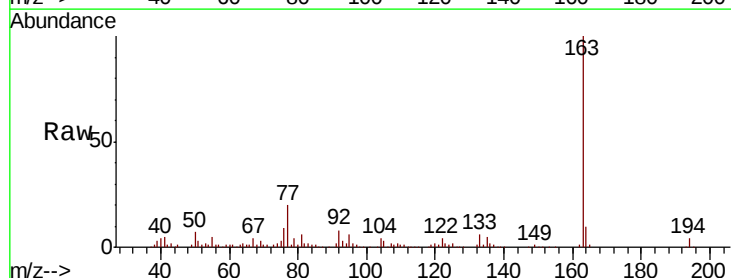


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

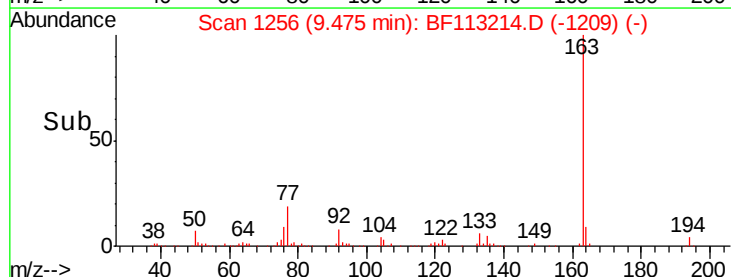
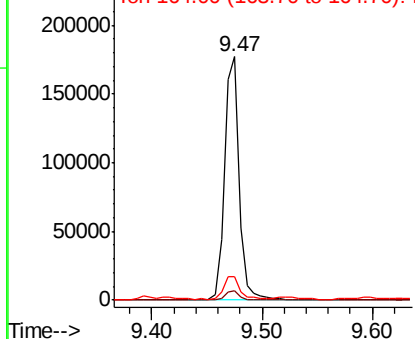


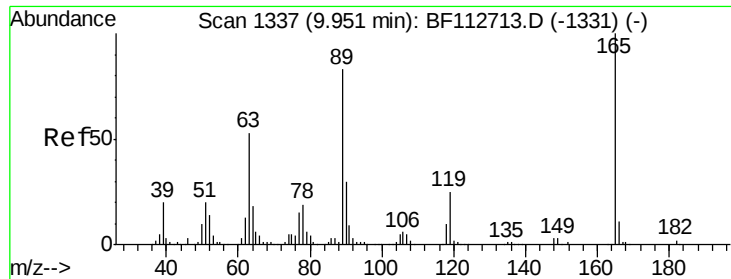
#50
 Dimethylphthalate
 Concen: 8.866 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: BF113214.D
 Acq: 21 Mar 2019 17:55

Tgt Ion:163 Resp: 164813
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.0 4.4
 164 9.6 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: 6.837 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113214.D

Acq: 21 Mar 2019 17:55

Instrument :

BNA_F

ClientSampleId :

SB-20(14-15)

Tgt Ion:165 Resp: 32899

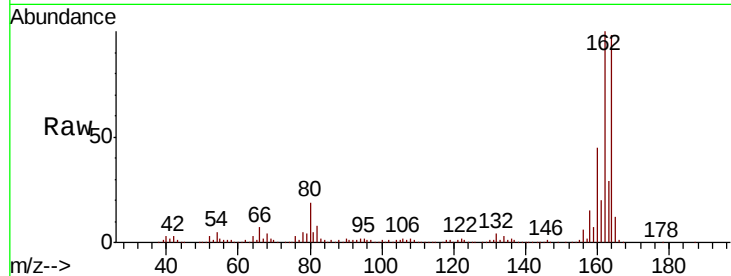
Ion Ratio Lower Upper

165 100

63 2.5 42.2 63.2#

89 2.0 66.2 99.4#

182 0.0 1.8 2.6#

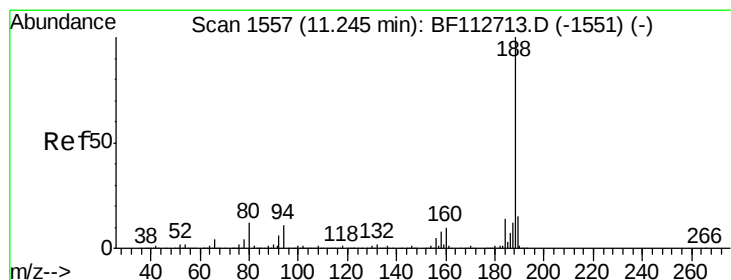
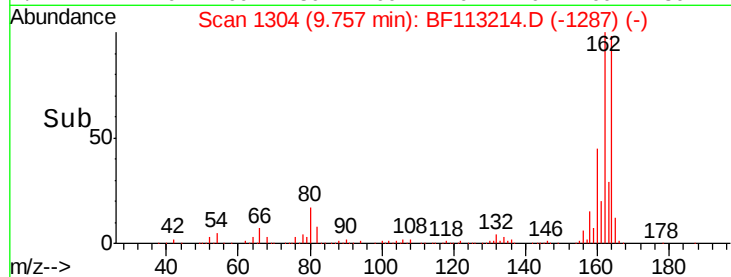
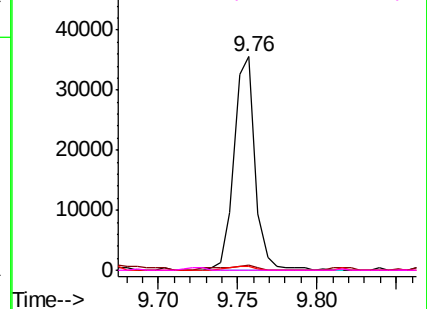


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113214.D

Acq: 21 Mar 2019 17:55

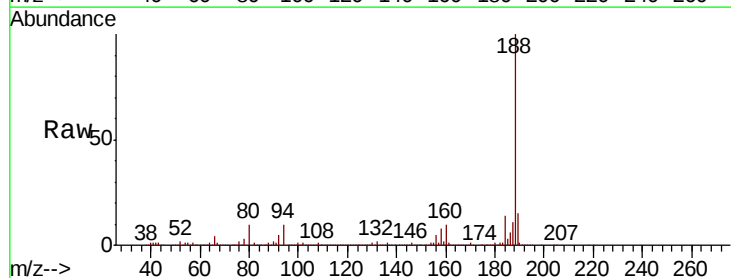
Tgt Ion:188 Resp: 482357

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.4

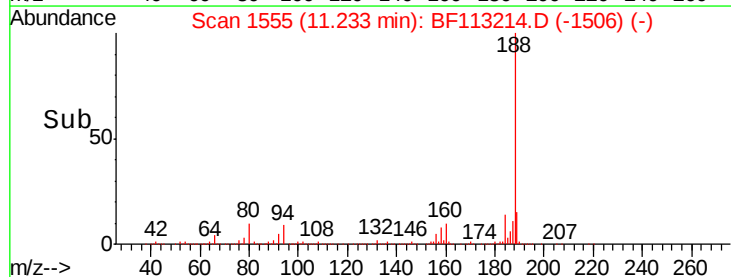
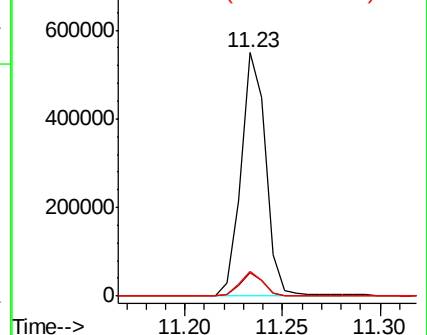
80 10.0 9.2 13.8

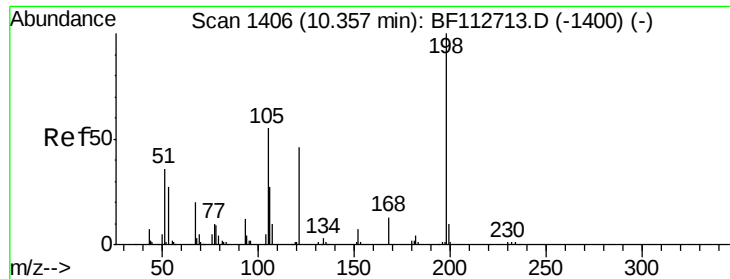


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

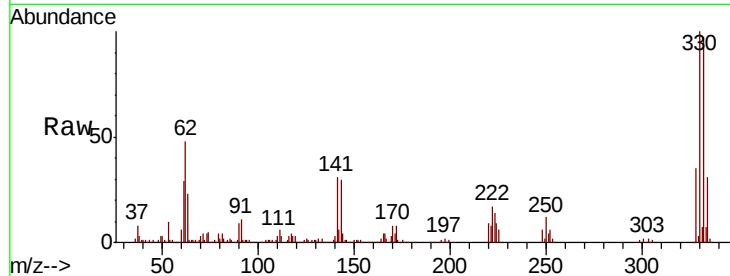




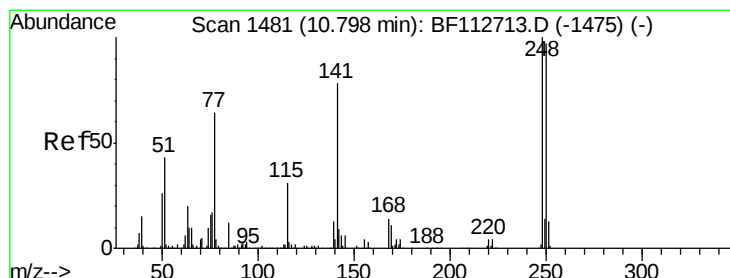
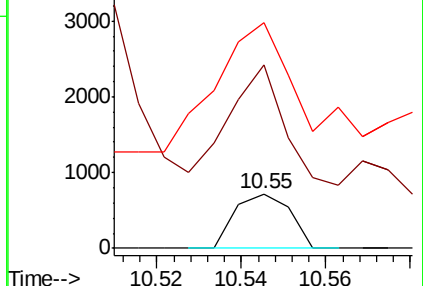
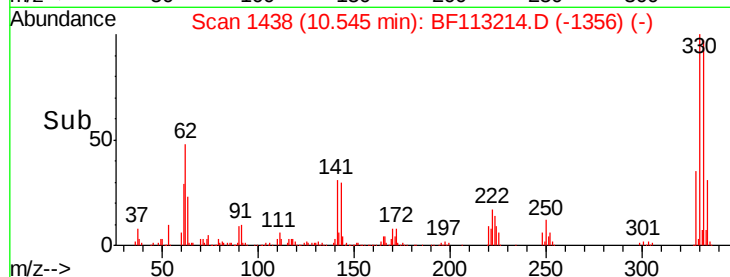
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.908 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF113214.D
 Acq: 21 Mar 2019 17:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-20(14-15)

Tgt Ion:198 Resp: 648
 Ion Ratio Lower Upper
 198 100
 51 337.5 43.8 83.8#
 105 414.9 36.5 76.5#

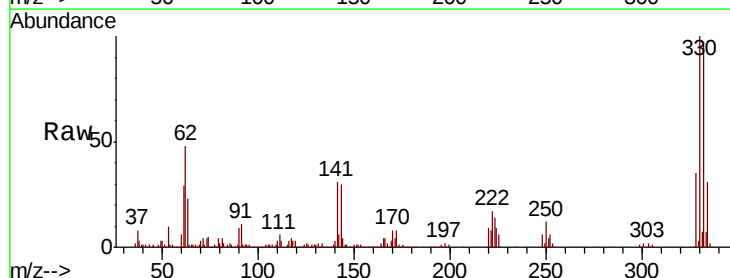


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

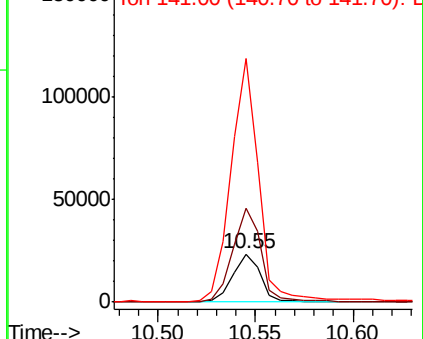
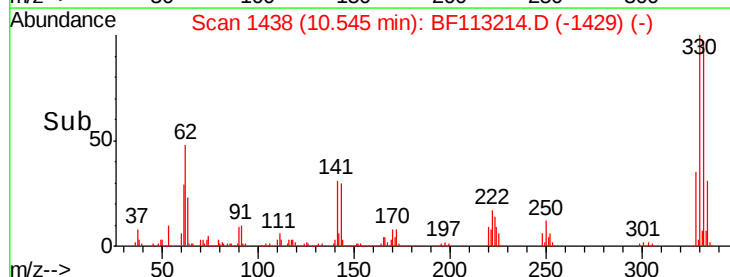


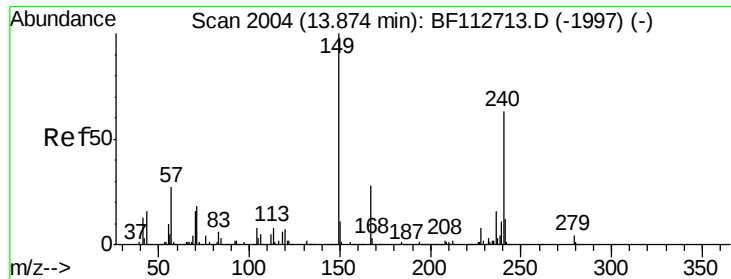
#67
 4-Bromophenyl-phenylether
 Concen: 4.608 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113214.D
 Acq: 21 Mar 2019 17:55

Tgt Ion:248 Resp: 23411
 Ion Ratio Lower Upper
 248 100
 250 196.5 77.5 116.3#
 141 508.9 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

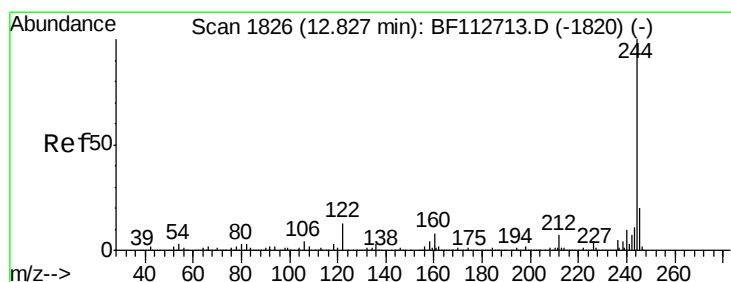
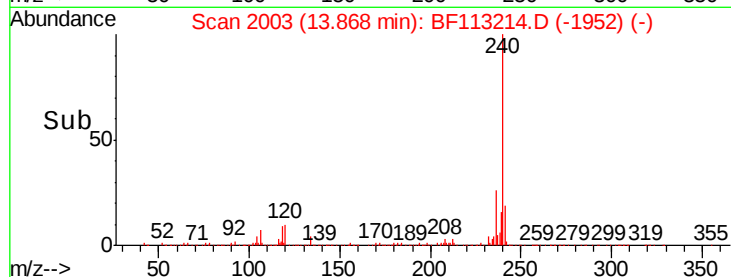
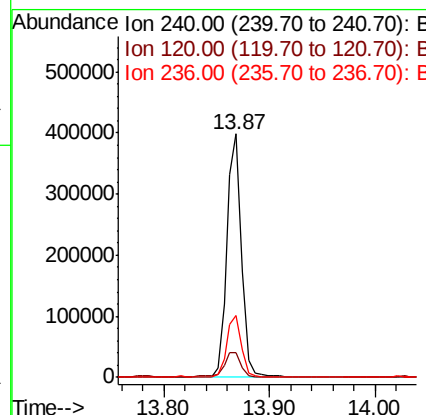
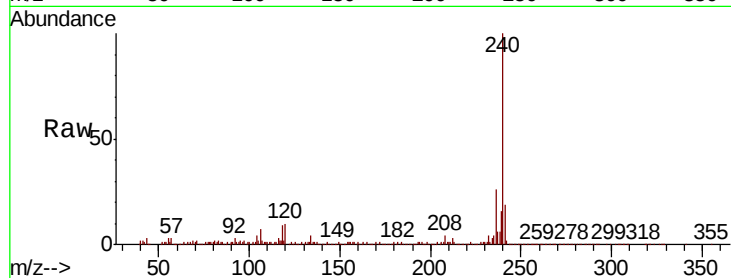




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF113214.D
Acq: 21 Mar 2019 17:55

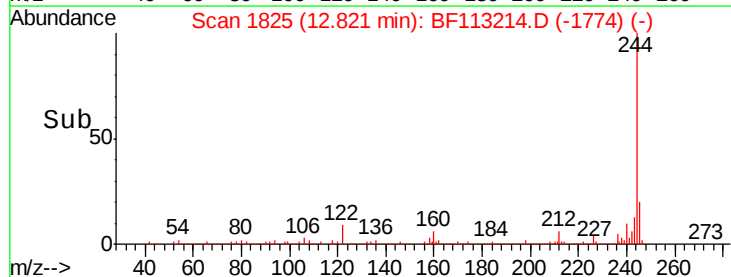
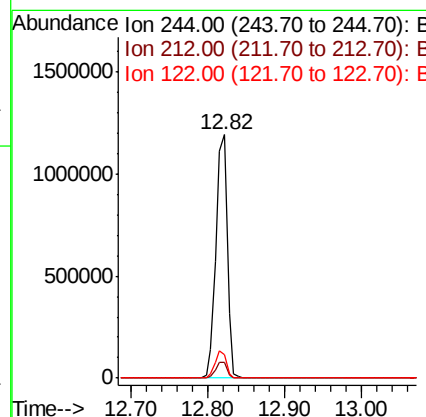
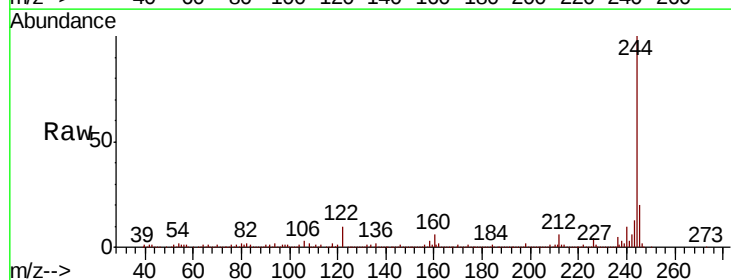
Instrument :
BNA_F
ClientSampleId :
SB-20(14-15)

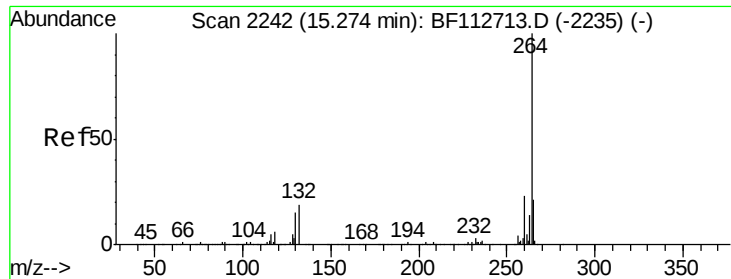
Tgt Ion:240 Resp: 384314
Ion Ratio Lower Upper
240 100
120 10.0 8.9 13.3
236 25.6 20.7 31.1



#79
Terphenyl-d14
Concen: 60.665 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF113214.D
Acq: 21 Mar 2019 17:55

Tgt Ion:244 Resp: 1202709
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 9.5 10.5 15.7#

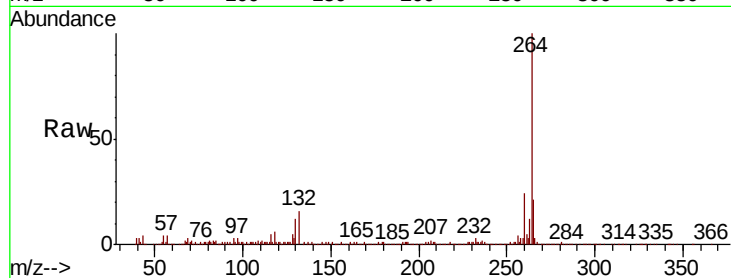




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113214.D
Acq: 21 Mar 2019 17:55

Instrument :
BNA_F
ClientSampleId :
SB-20(14-15)

Tgt Ion: 264 Resp: 325341
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.0 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

