

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030719\
 Data File : BF112931.D
 Acq On : 7 Mar 2019 19:45
 Operator : JU/SJ
 Sample : K1760-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 00:21:14 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	6.73	152	212295	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	831066	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	402936	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	805797	20.00	ng	0.00
76) Chrysene-d12	13.86	240	577531	20.00	ng	-0.02
87) Perylene-d12	15.26	264	598871	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1094134	80.17	ng	0.00
7) Phenol-d6	6.37	99	1426517	83.21	ng	0.00
23) Nitrobenzene-d5	7.29	82	870218	62.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	426008	99.59	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1582403	60.26	ng	-0.01
79) Terphenyl-d14	12.82	244	1559784	52.35	ng	-0.01

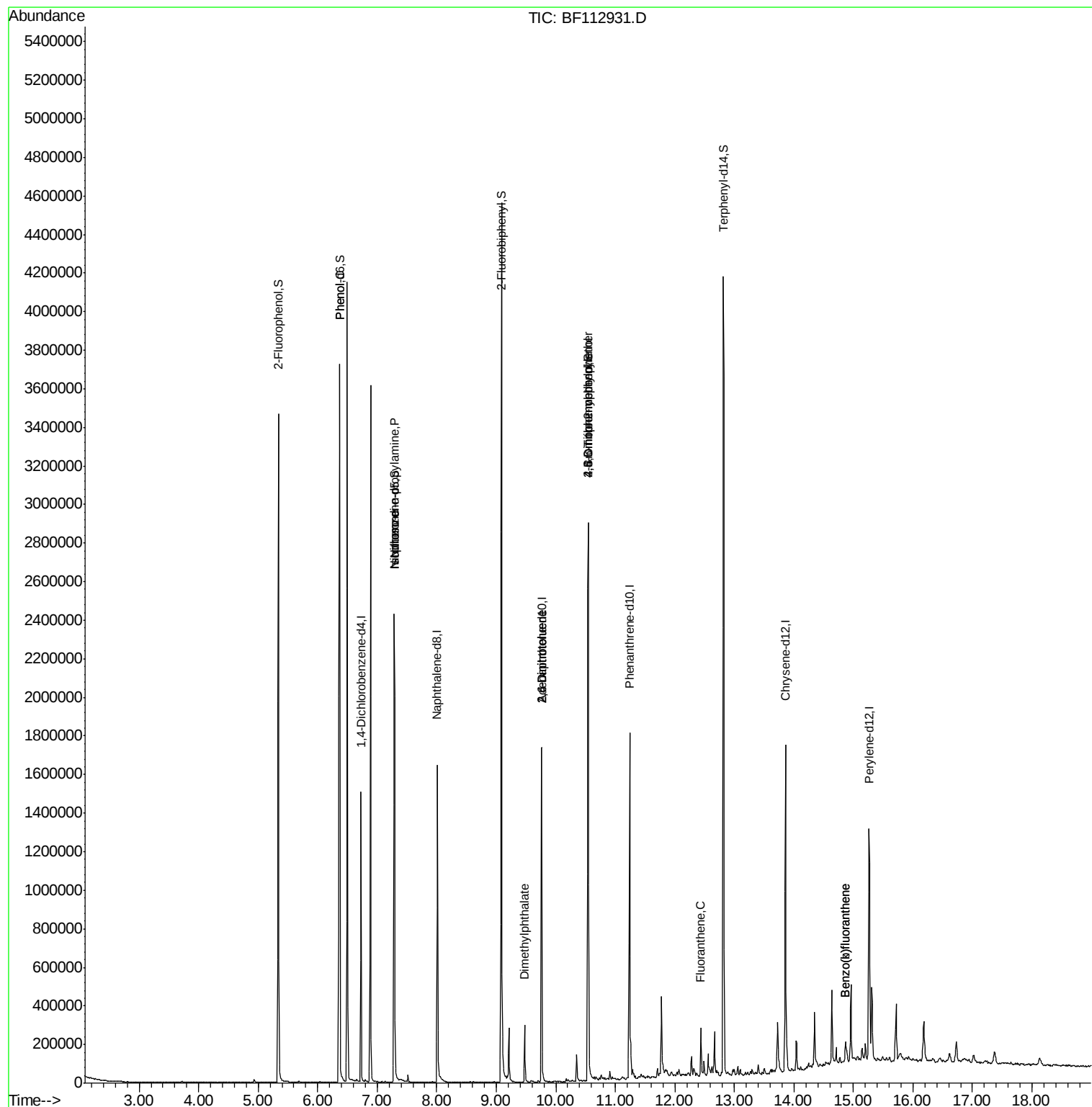
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	58194	2.909	ng	92
19) n-Nitroso-di-n-propylamine	7.29	70	114107	10.509	ng	# 77
25) Isophorone	7.29	82	859383	28.722	ng	# 66
50) Dimethylphthalate	9.48	163	139070	4.681	ng	99
51) 2,6-Dinitrotoluene	9.76	165	50549	8.170	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	50648	6.586	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	702	4.804	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	23812	2.806	ng	# 1
75) Fluoranthene	12.44	202	102310	2.382	ng	97
88) Benzo(b)fluoranthene	14.87	252	78243	2.020	ng	95
89) Benzo(k)fluoranthene	14.87	252	78243	2.230	ng	95

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

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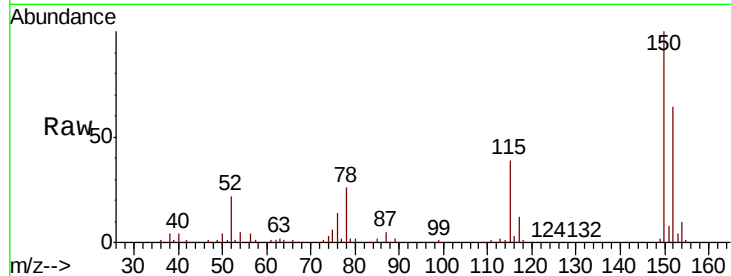


#1

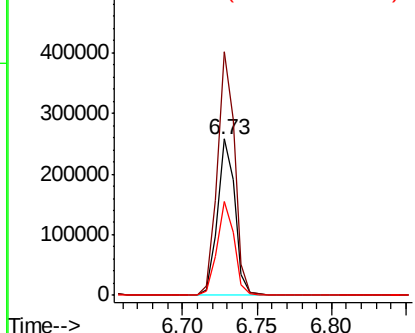
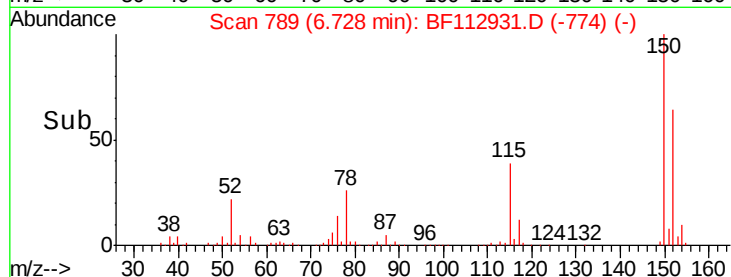
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112931.D
Acq: 7 Mar 2019 19:45

Instrument :
BNA_F
ClientSampled :

Tgt Ion:152 Resp: 212295
Ion Ratio Lower Upper
152 100
150 155.8 124.2 186.2
115 60.0 48.2 72.4



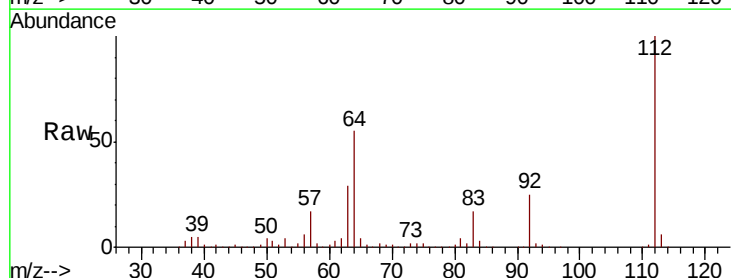
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



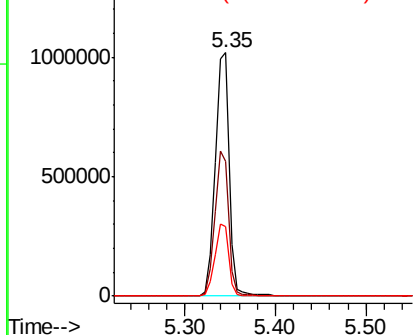
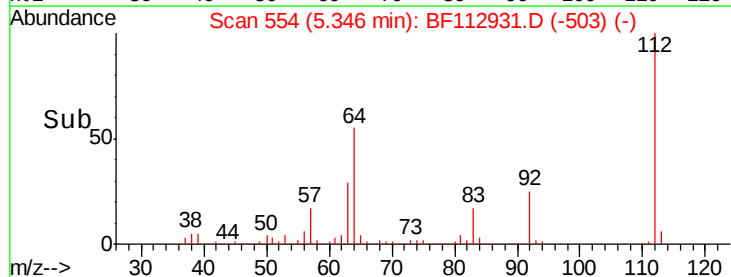
#5

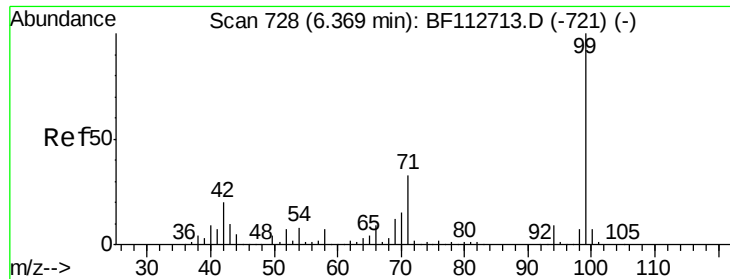
2-Fluorophenol
Concen: 80.170 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112931.D
Acq: 7 Mar 2019 19:45

Tgt Ion:112 Resp: 1094134
Ion Ratio Lower Upper
112 100
64 55.5 47.6 71.4
63 28.5 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: 83.210 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112931.D

Acq: 7 Mar 2019 19:45

Instrument :

BNA_F

ClientSampleId :

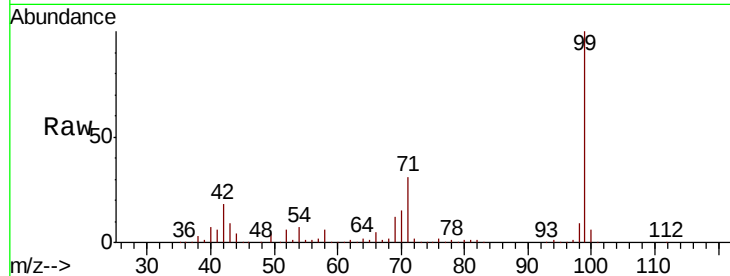
Tgt Ion: 99 Resp: 1426517

Ion Ratio Lower Upper

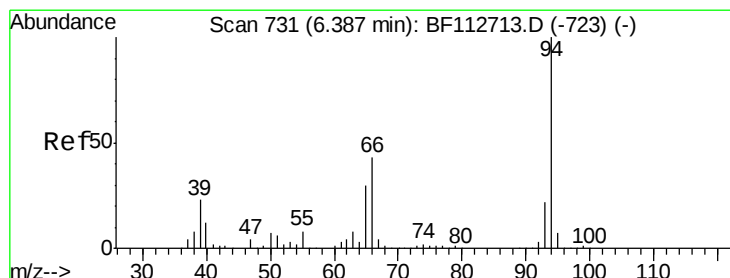
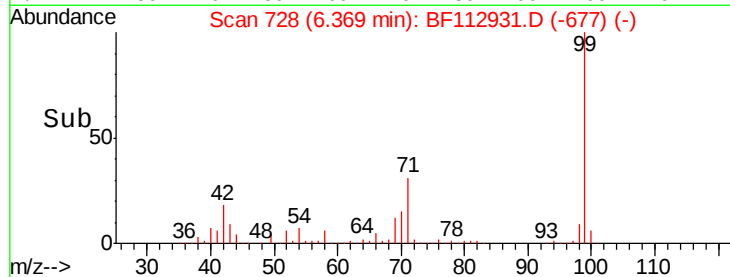
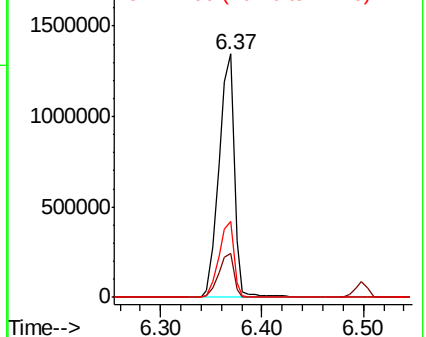
99 100

42 17.8 16.3 24.5

71 31.3 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.909 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112931.D

Acq: 7 Mar 2019 19:45

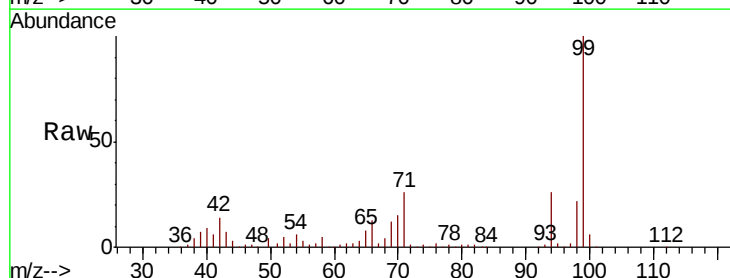
Tgt Ion: 94 Resp: 58194

Ion Ratio Lower Upper

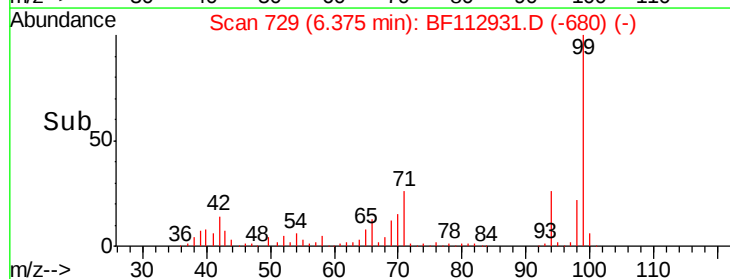
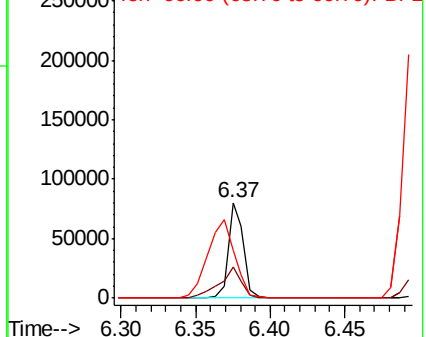
94 100

65 32.0 10.5 50.5

66 50.0 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: 10.509 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112931.D

Acq: 7 Mar 2019 19:45

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 70 Resp: 114107

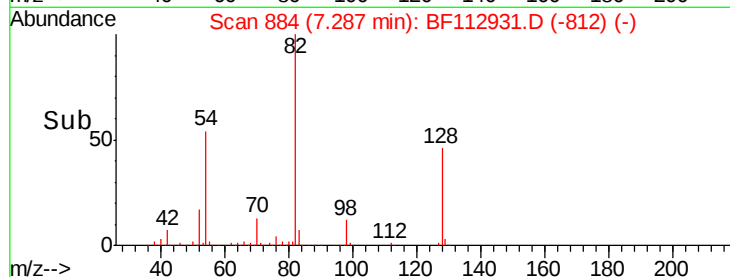
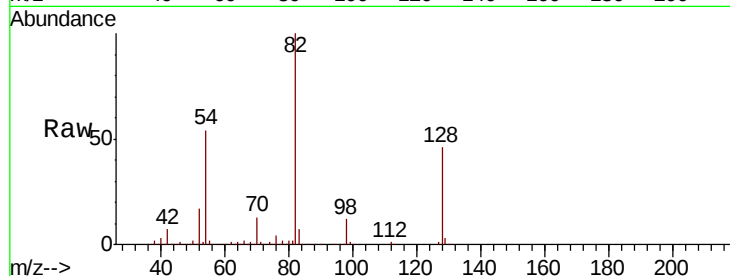
Ion Ratio Lower Upper

70 100

42 49.9 49.9 74.9#

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#

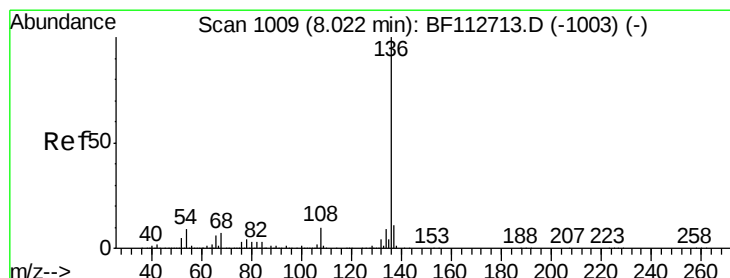
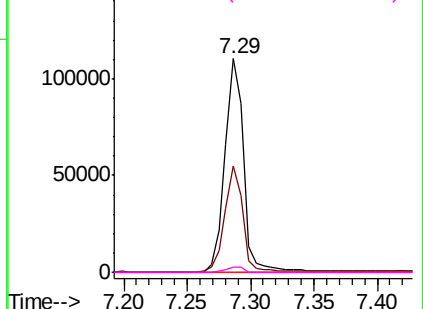


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112931.D

Acq: 7 Mar 2019 19:45

Tgt Ion: 136 Resp: 831066

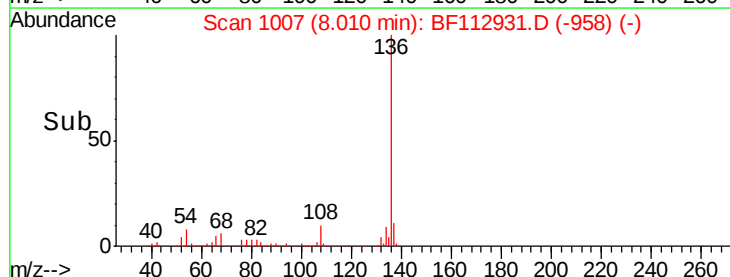
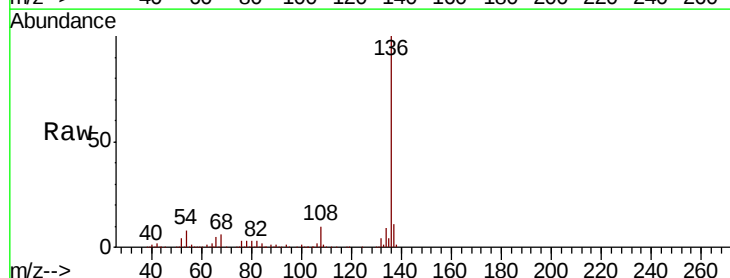
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.2 7.3 10.9

68 6.3 5.4 8.2

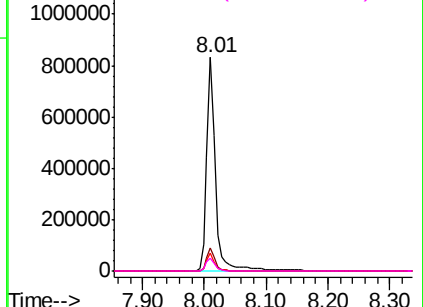


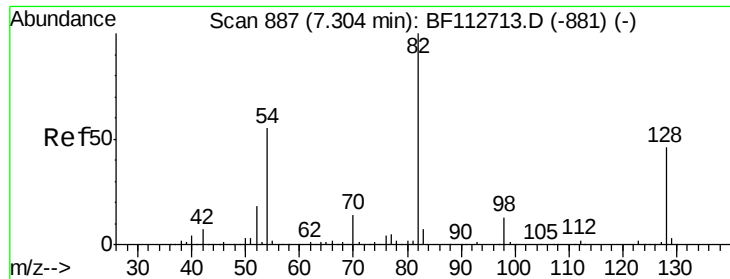
Abundance Ion 136.00 (135.70 to 136.70): E

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

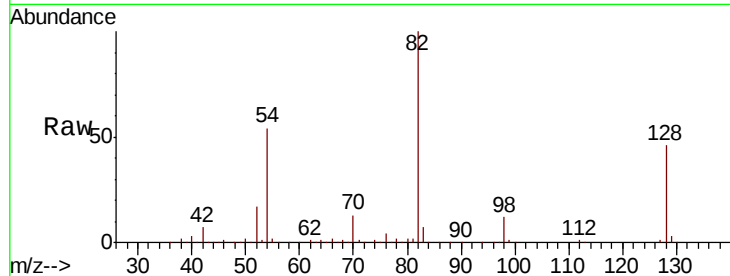




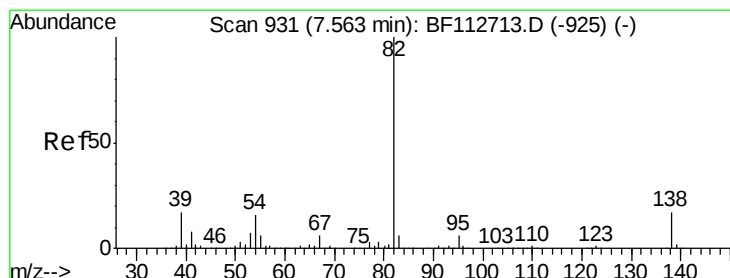
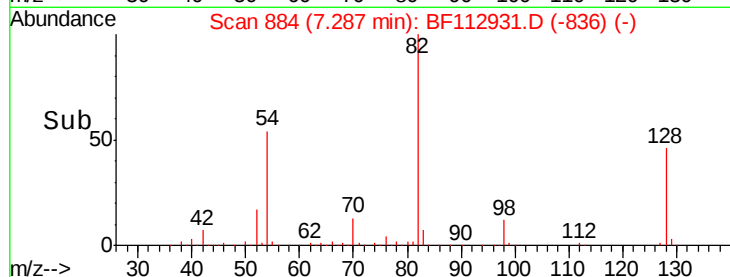
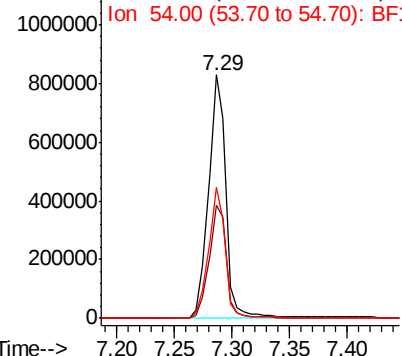
#23
Nitrobenzene-d5
Concen: 62.657 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112931.D
Acq: 7 Mar 2019 19:45

Instrument :
BNA_F
ClientSampled :

Tgt Ion: 82 Resp: 870218
Ion Ratio Lower Upper
82 100
128 46.4 36.3 54.5
54 53.6 43.7 65.5

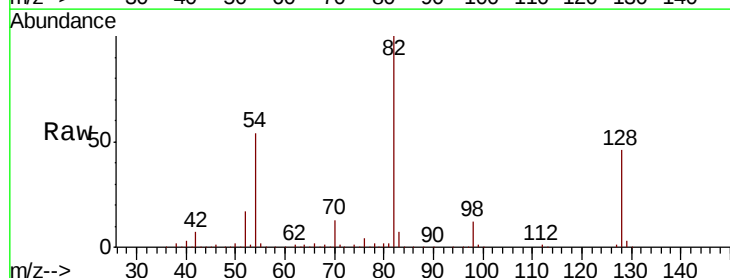


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

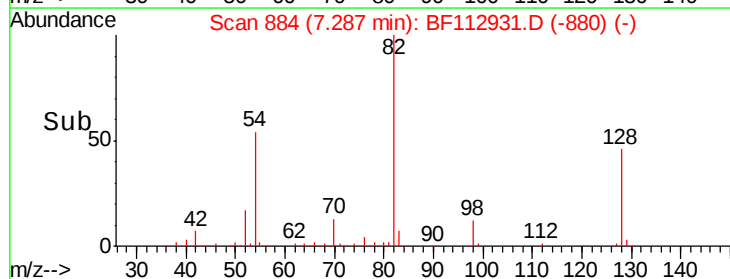
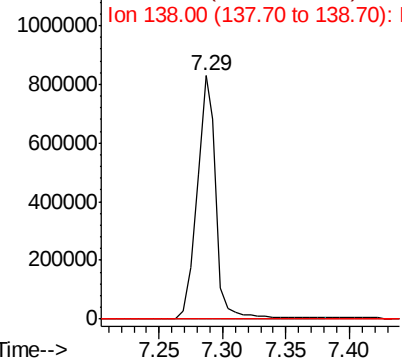


#25
Isophorone
Concen: 28.722 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112931.D
Acq: 7 Mar 2019 19:45

Tgt Ion: 82 Resp: 859383
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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF112931.D

Acq: 7 Mar 2019 19:45

Instrument :

BNA_F

ClientSampleId :

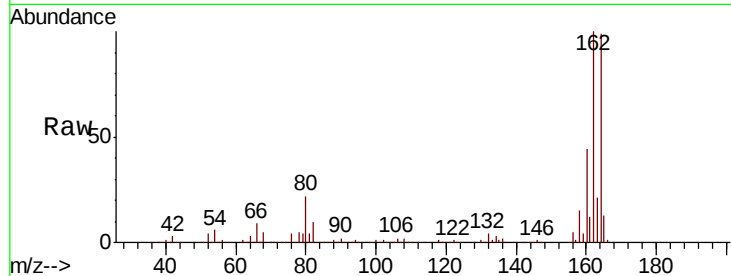
Tgt Ion:164 Resp: 402936

Ion Ratio Lower Upper

164 100

162 101.1 80.6 120.8

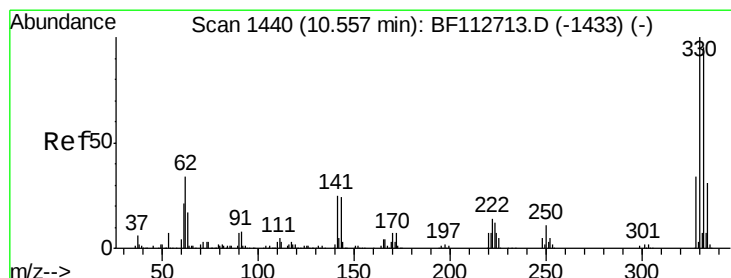
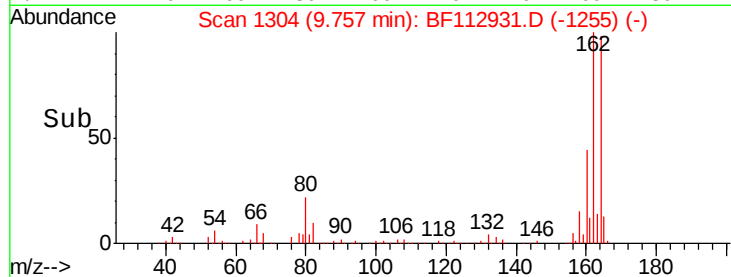
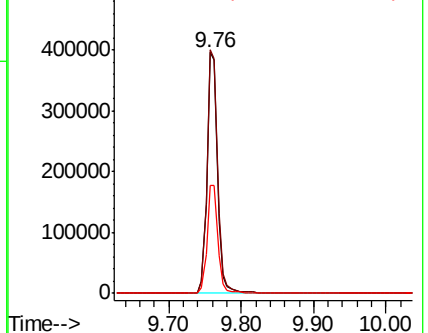
160 44.9 36.0 54.0



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: 99.589 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112931.D

Acq: 7 Mar 2019 19:45

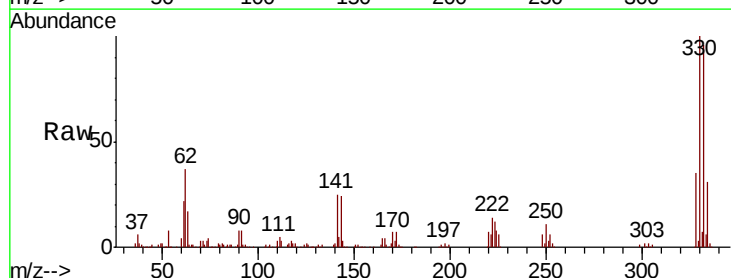
Tgt Ion:330 Resp: 426008

Ion Ratio Lower Upper

330 100

332 96.6 76.2 114.4

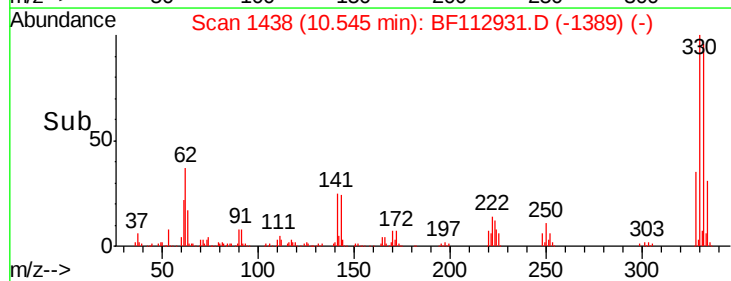
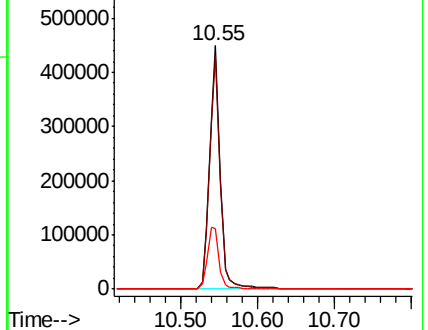
141 28.7 27.0 40.6

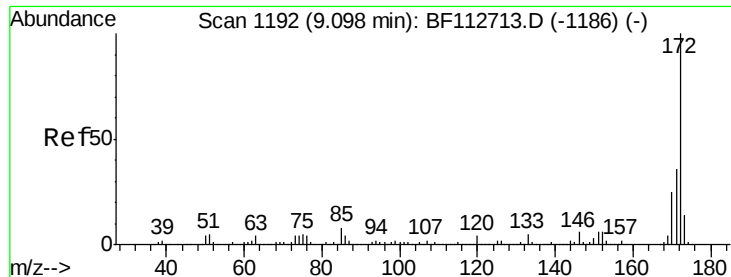


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

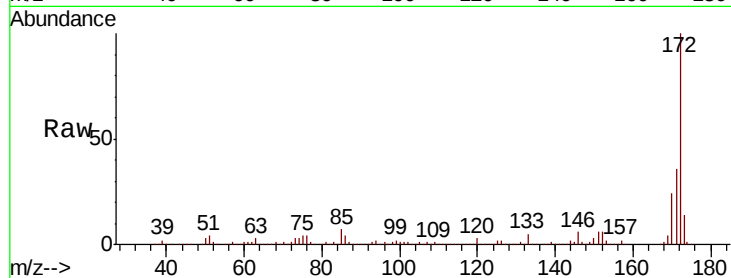




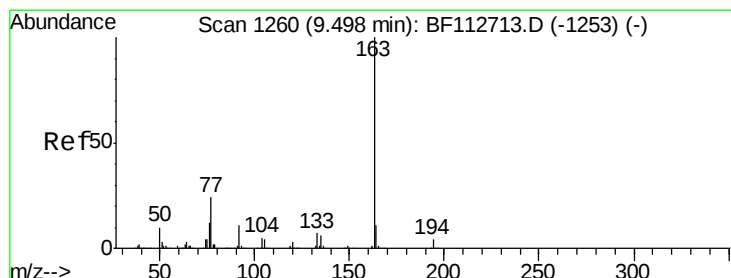
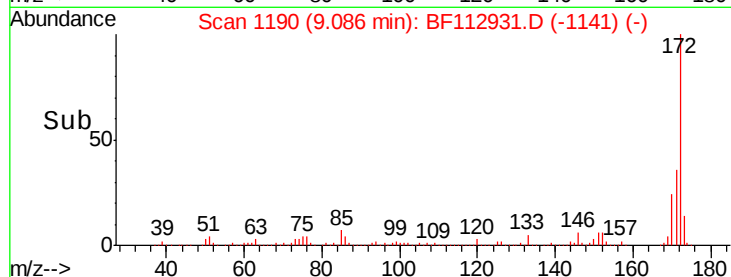
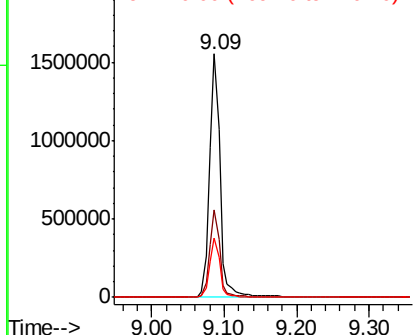
#45
 2-Fluorobiphenyl
 Concen: 60.256 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112931.D
 Acq: 7 Mar 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:172 Resp: 1582403
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.4
 170 24.4 20.0 30.0

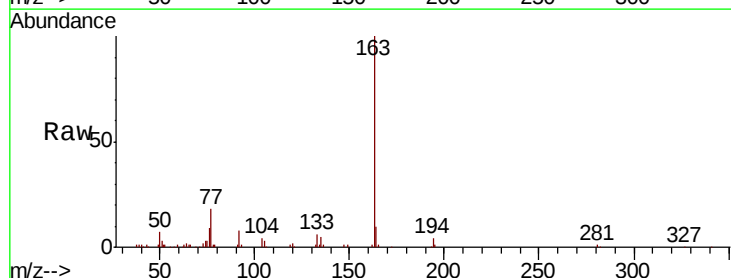


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

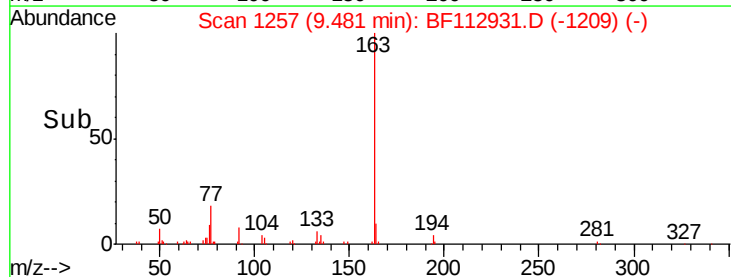
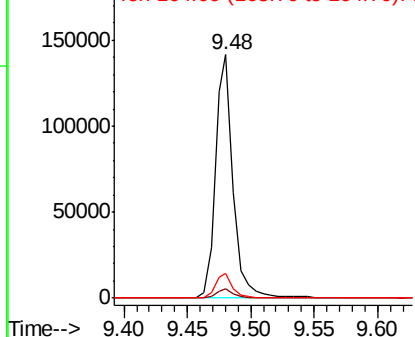


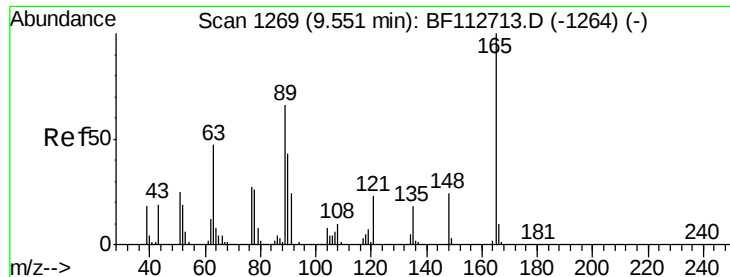
#50
 Dimethylphthalate
 Concen: 4.681 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.02 min
 Lab File: BF112931.D
 Acq: 7 Mar 2019 19:45

Tgt Ion:163 Resp: 139070
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.0 4.4
 164 10.0 8.4 12.6



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

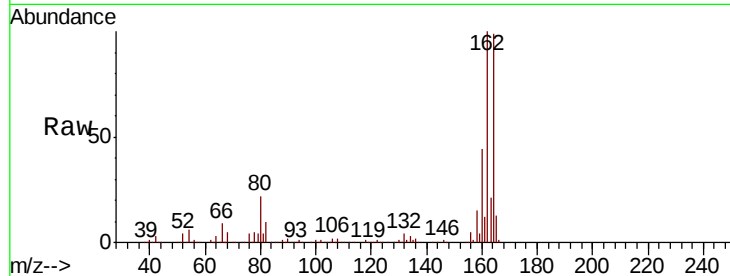




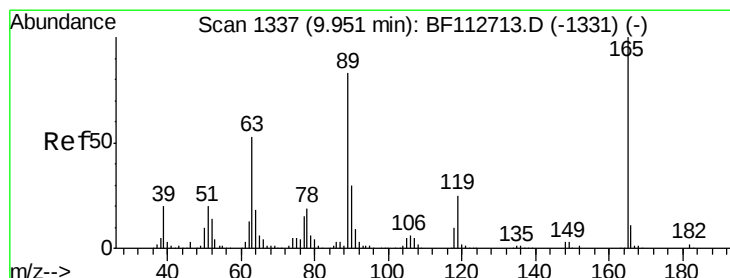
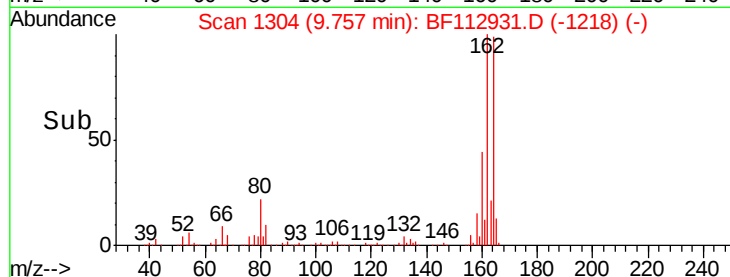
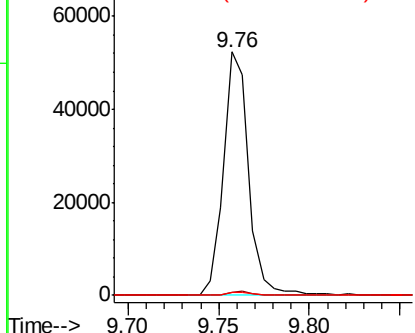
#51
 2,6-Dinitrotoluene
 Concen: 8.170 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF112931.D
 Acq: 7 Mar 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:165 Resp: 50549
 Ion Ratio Lower Upper
 165 100
 63 1.0 54.1 81.1#
 89 1.3 52.8 79.2#

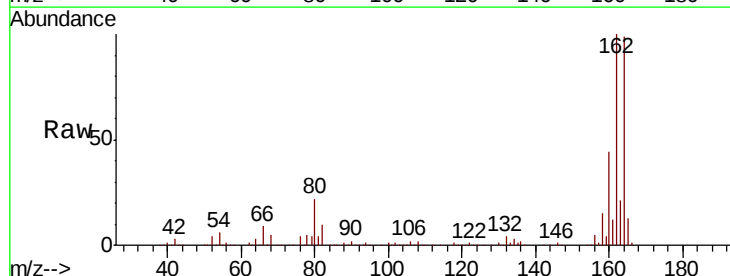


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

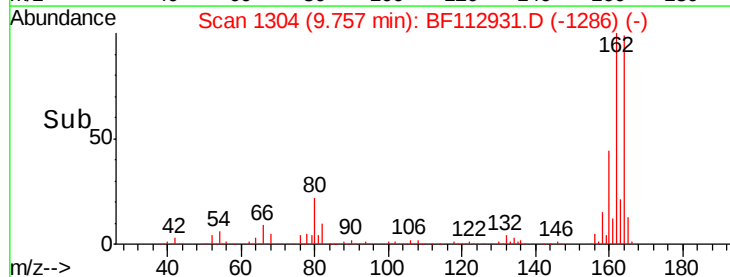
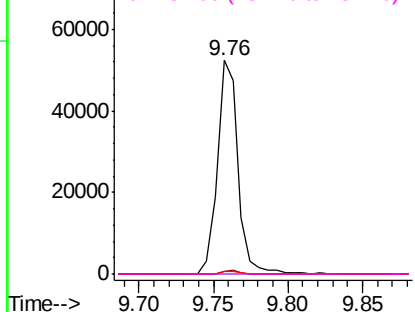


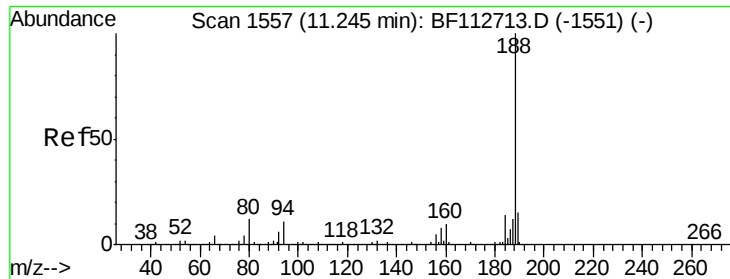
#57
 2,4-Dinitrotoluene
 Concen: 6.586 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.19 min
 Lab File: BF112931.D
 Acq: 7 Mar 2019 19:45

Tgt Ion:165 Resp: 50648
 Ion Ratio Lower Upper
 165 100
 63 1.0 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

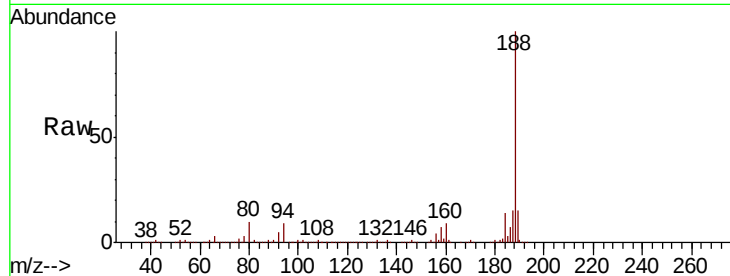




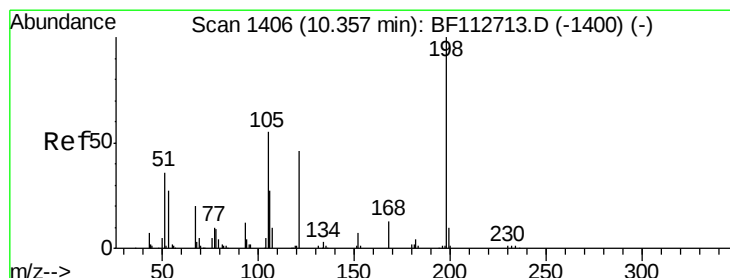
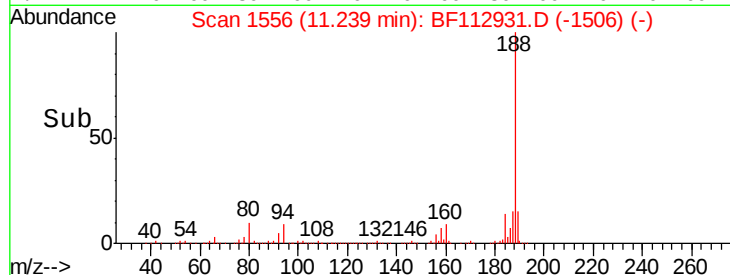
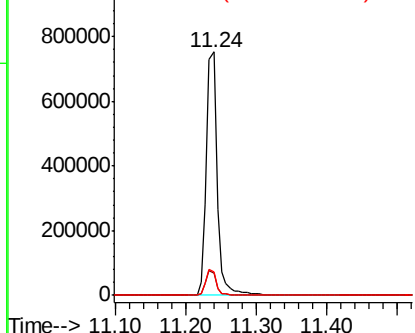
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112931.D
Acq: 7 Mar 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 805797
Ion Ratio Lower Upper
188 100
94 9.0 9.0 13.4
80 9.6 9.2 13.8

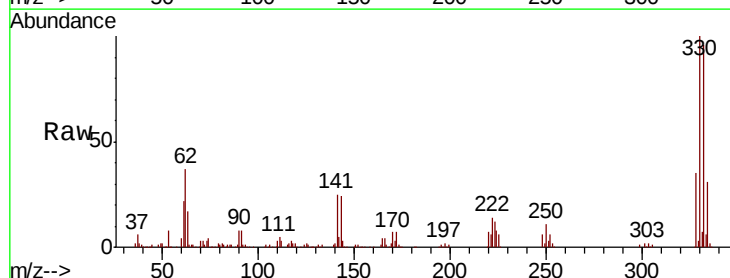


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

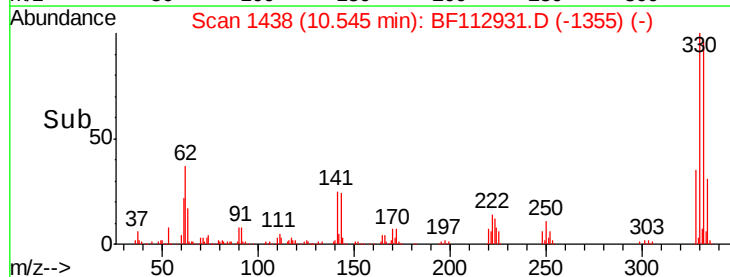
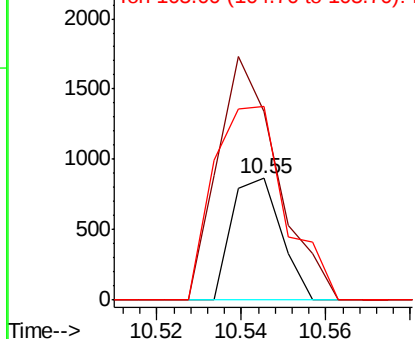


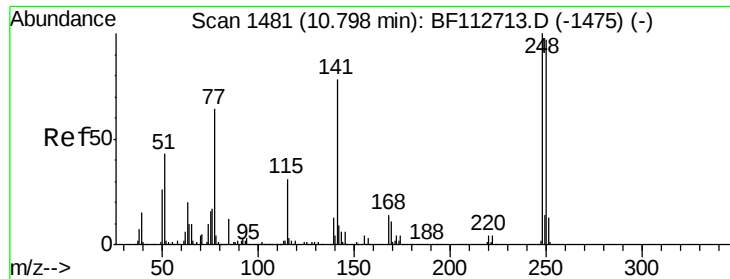
#65
4,6-Dinitro-2-methylphenol
Concen: 4.804 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF112931.D
Acq: 7 Mar 2019 19:45

Tgt Ion:198 Resp: 702
Ion Ratio Lower Upper
198 100
51 155.4 43.8 83.8#
105 159.1 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

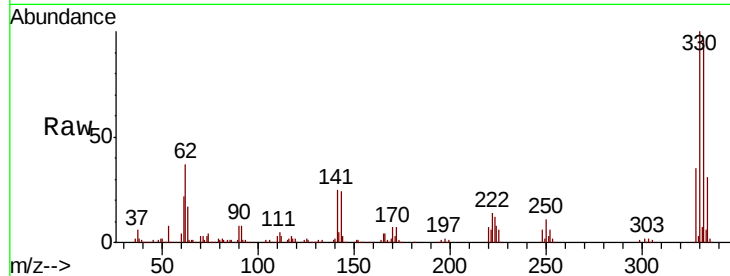




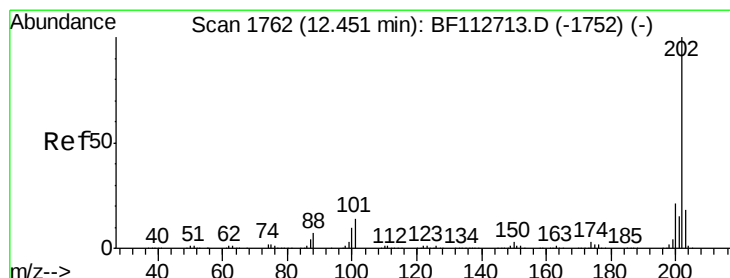
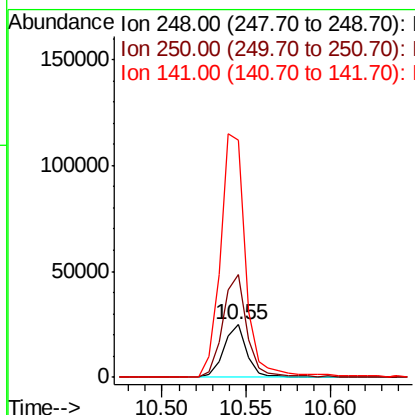
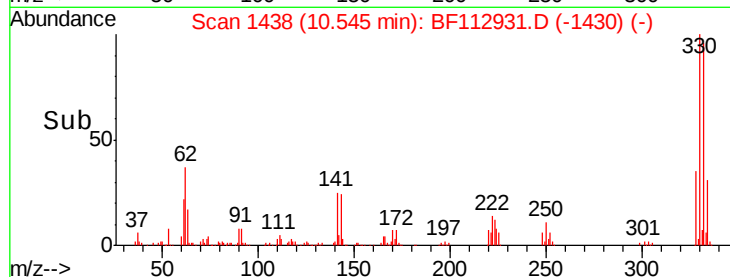
#67
 4-Bromophenyl-phenylether
 Concen: 2.806 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112931.D
 Acq: 7 Mar 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:248 Resp: 23812
 Ion Ratio Lower Upper
 248 100
 250 195.8 77.5 116.3#
 141 450.2 62.4 93.6#

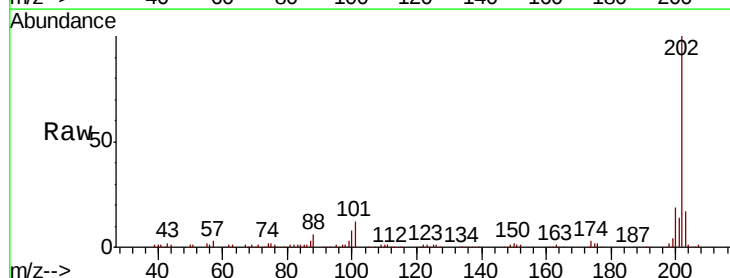


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

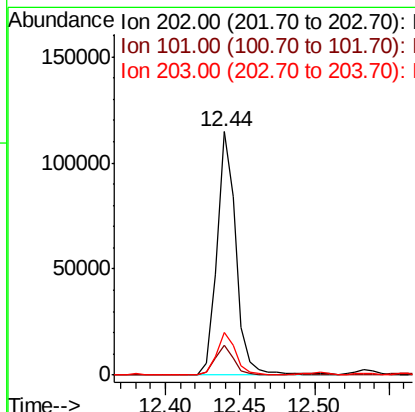
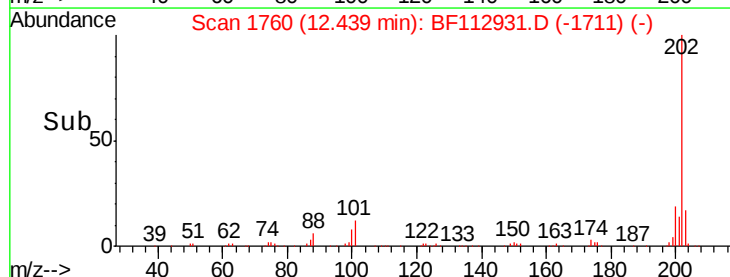


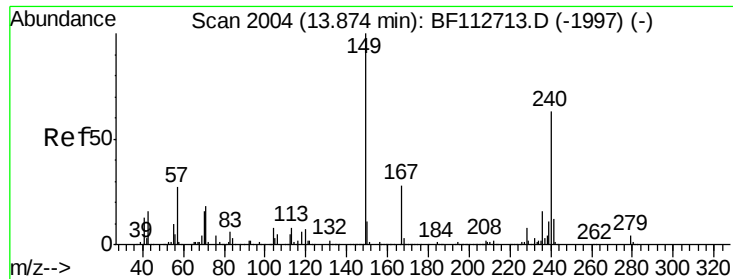
#75
 Fluoranthene
 Concen: 2.382 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BF112931.D
 Acq: 7 Mar 2019 19:45

Tgt Ion:202 Resp: 102310
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 33.8
 203 17.3 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

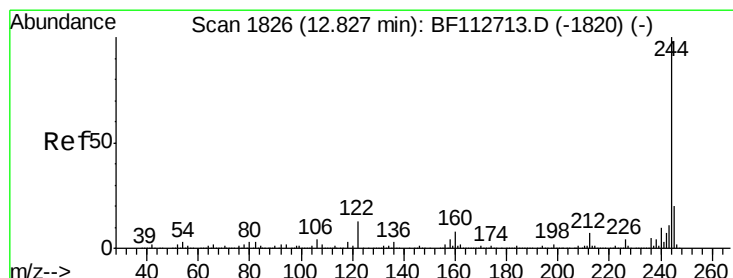
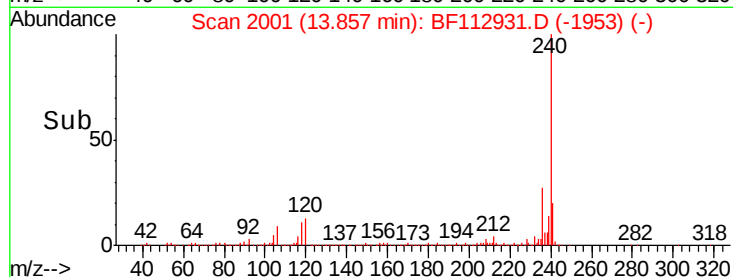
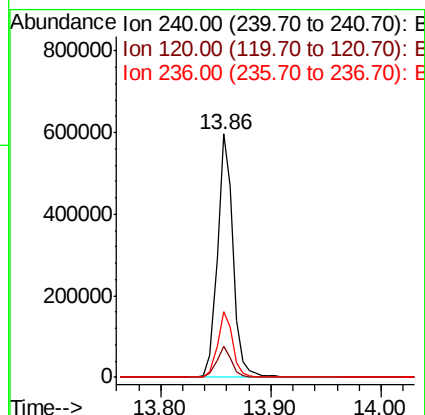
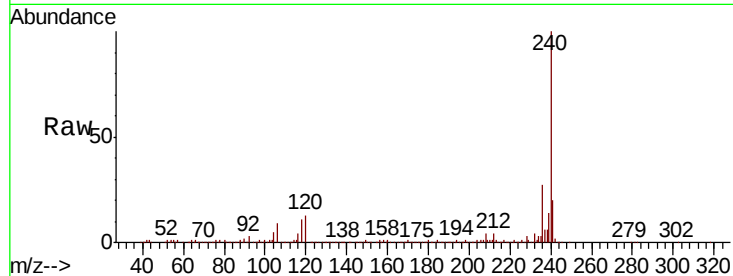




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF112931.D
Acq: 7 Mar 2019 19:45

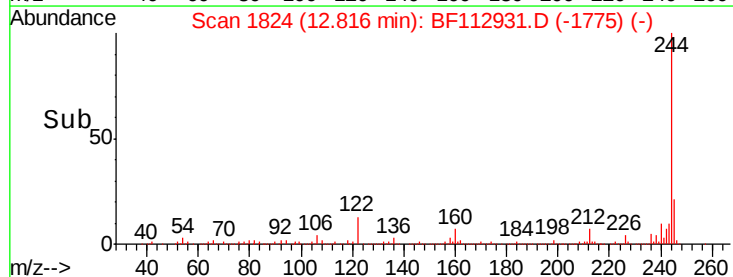
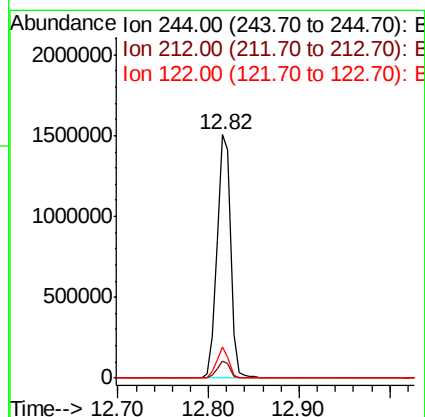
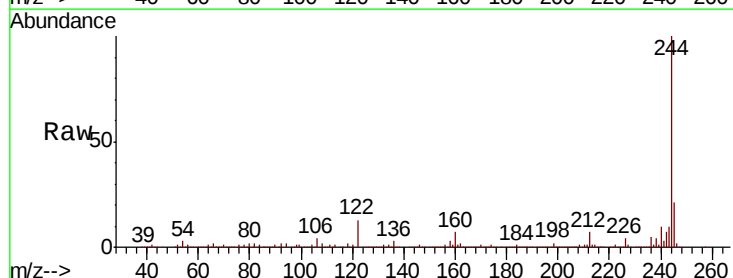
Instrument :
BNA_F
ClientSampleId :

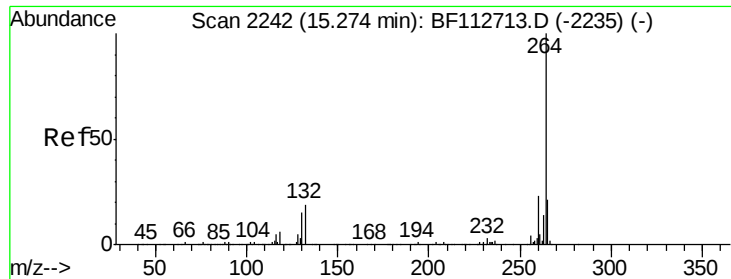
Tgt Ion:240 Resp: 577531
Ion Ratio Lower Upper
240 100
120 12.6 8.9 13.3
236 26.8 20.7 31.1



#79
Terphenyl-d14
Concen: 52.355 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112931.D
Acq: 7 Mar 2019 19:45

Tgt Ion:244 Resp: 1559784
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 12.6 10.5 15.7





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF112931.D

Acq: 7 Mar 2019 19:45

Instrument :

BNA_F

ClientSampleId :

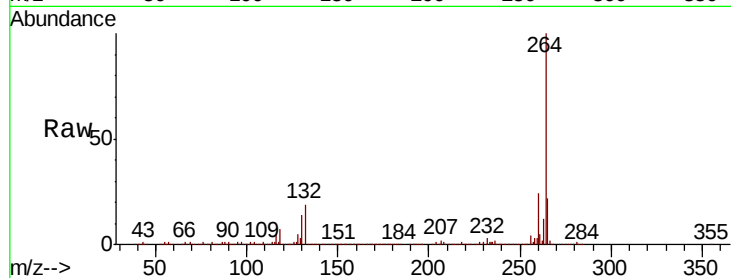
Tgt Ion:264 Resp: 598871

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

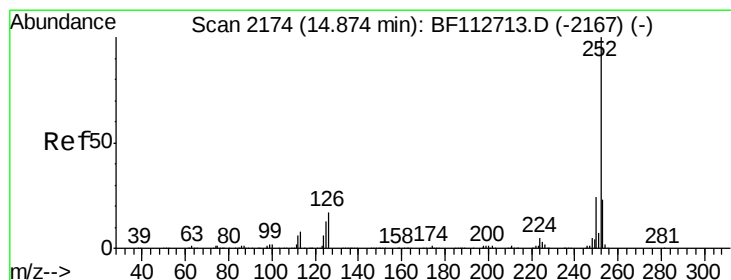
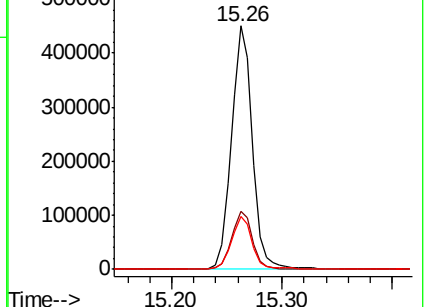
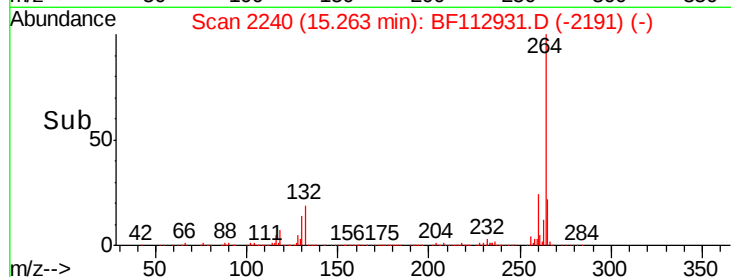
265 21.8 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 2.020 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF112931.D

Acq: 7 Mar 2019 19:45

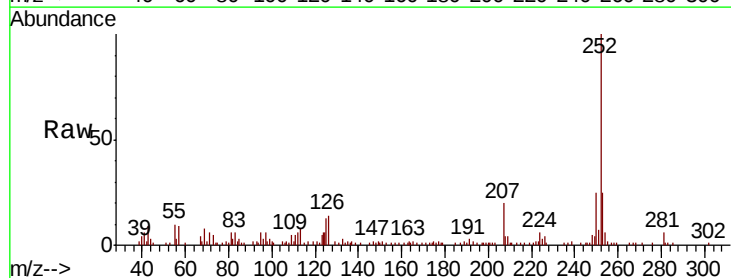
Tgt Ion:252 Resp: 78243

Ion Ratio Lower Upper

252 100

253 25.4 18.0 27.0

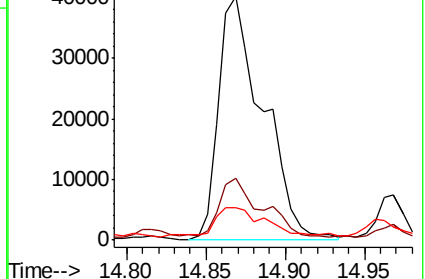
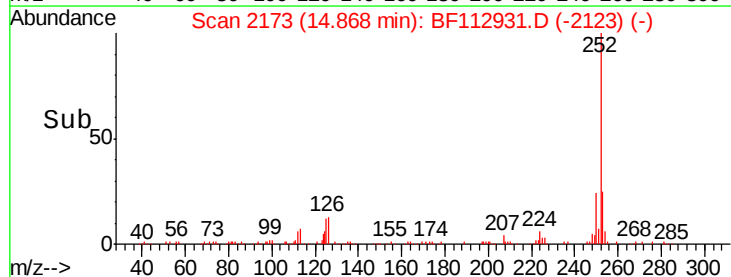
125 13.5 10.2 15.2

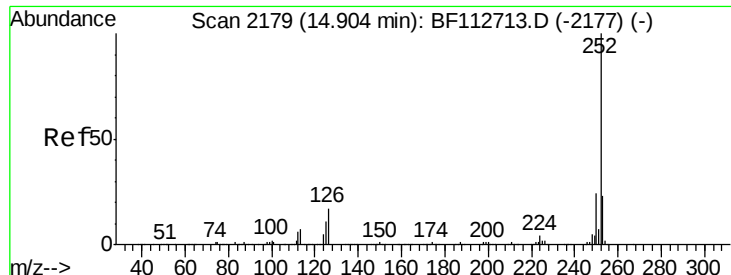


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.230 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.04 min

Lab File: BF112931.D

Acq: 7 Mar 2019 19:45

Instrument :

BNA_F

ClientSampleId :

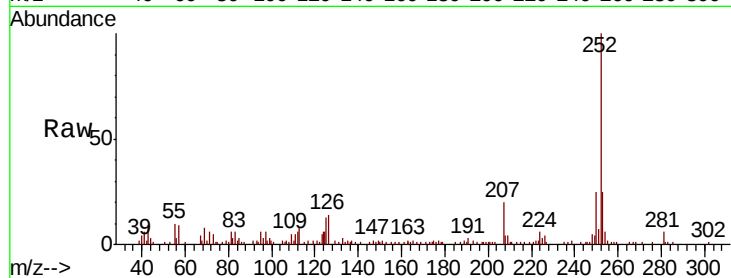
Tgt Ion:252 Resp: 78243

Ion Ratio Lower Upper

252 100

253 25.4 18.2 27.2

125 13.5 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

