

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104549.D
 Acq On : 16 Apr 2018 22:40
 Operator : JU/SJ
 Sample : J2370-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CG-RO-721194

Quant Time: Apr 17 00:58:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	153586	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	605067	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	244995	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	363169	20.00	ng	0.00
75) Chrysene-d12	13.99	240	288563	20.00	ng	0.00
86) Perylene-d12	15.46	264	226970	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	710075	70.69	ng	0.01
7) Phenol-d6	6.45	99	903340	73.20	ng	0.00
23) Nitrobenzene-d5	7.37	82	564140	60.88	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	157984	62.16	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1004126	64.75	ng	0.00
78) Terphenyl-d14	12.93	244	705220	55.72	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.45	77	1299	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	71975	8.925 ng	#	73
25) Isophorone	7.37	82	564132	28.790 ng	#	64
49) Dimethylphthalate	9.56	163	105879	5.480 ng		100
50) 2,6-Dinitrotoluene	9.85	165	32383	9.058 ng	#	25
64) 4,6-Dinitro-2-methylphenol	10.65	198	286	7.484 ng	#	1
66) 4-Bromophenyl-phenylether	10.65	248	9224	2.388 ng	#	1
70) Phenanthrene	11.36	178	204871	10.130 ng		99
74) Fluoranthene	12.56	202	142616	6.749 ng		99
76) Benzidine	12.93	184	9580	Below Cal		97
77) Pyrene	12.79	202	239514	11.198 ng		99
80) Benzo(a)anthracene	14.02	228	79253	4.597 ng		98
82) Chrysene	14.02	228	79253	4.476 ng		97
87) Benzo(b)fluoranthene	15.03	252	68827	4.801 ng	#	89
88) Benzo(k)fluoranthene	15.03	252	68827	5.086 ng	#	92
89) Benzo(a)pyrene	15.39	252	46120	3.596 ng	#	93
91) Benzo(a,h,i)perylene	17.35	276	20792	2.037 ng		95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF104549.D

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Instrument :

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ClientSampleId :

CG-RO-721194

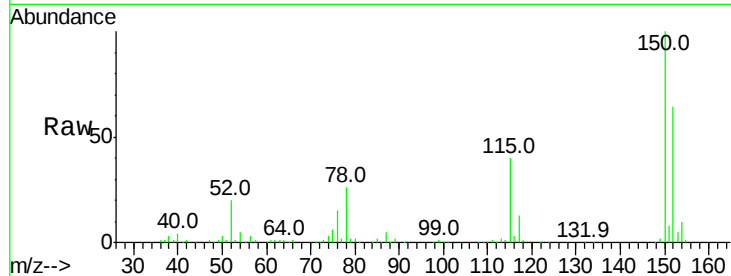
Tot Ion:152 Resp: 153586

Ion Ratio Lower Upper

152 100

150 156.7 124.6 186.8

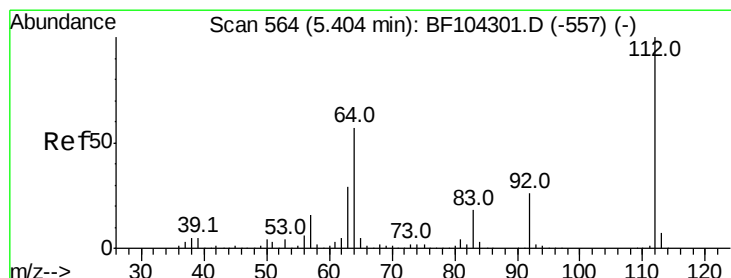
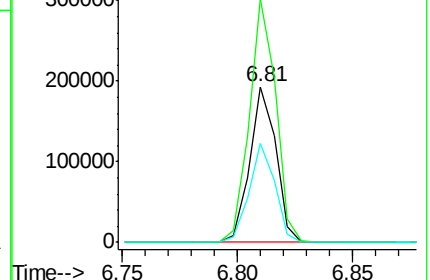
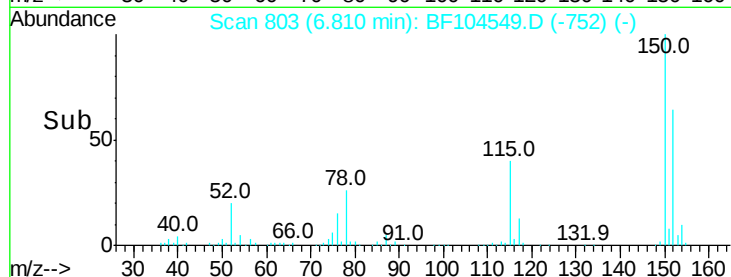
115 63.3 50.1 75.1



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: 70.693 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.01 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

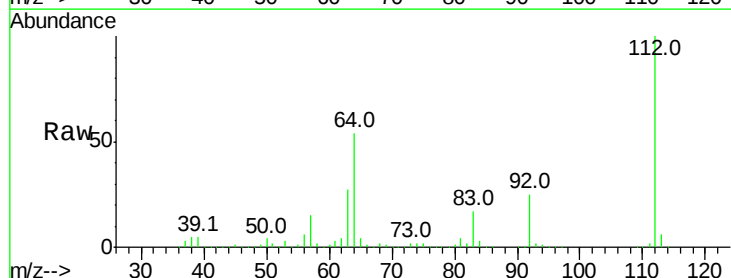
Tgt Ion:112 Resp: 710075

Ion Ratio Lower Upper

112 100

64 53.8 47.9 71.9

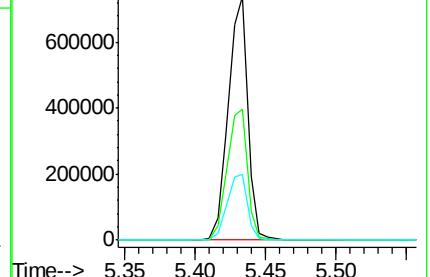
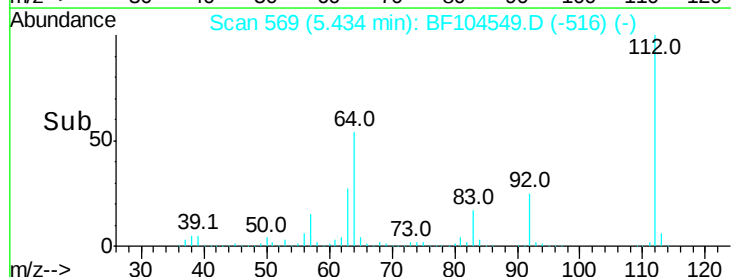
63 27.0 23.7 35.5

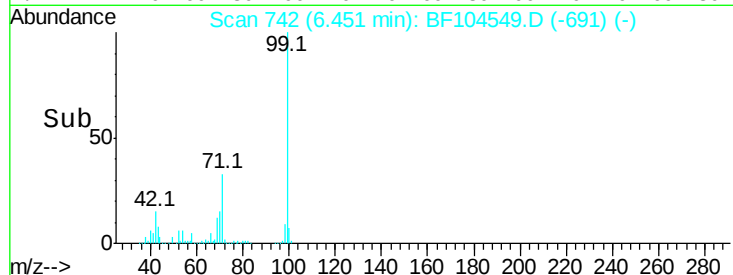
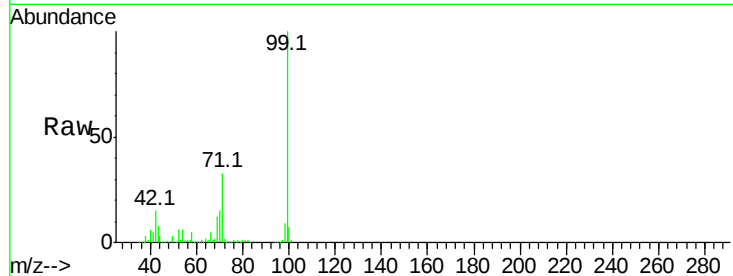


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 73.196 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

Instrument :

BNA_F

ClientSampleId :

CG-RO-721194

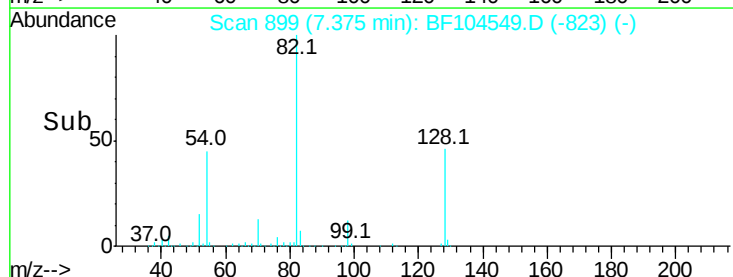
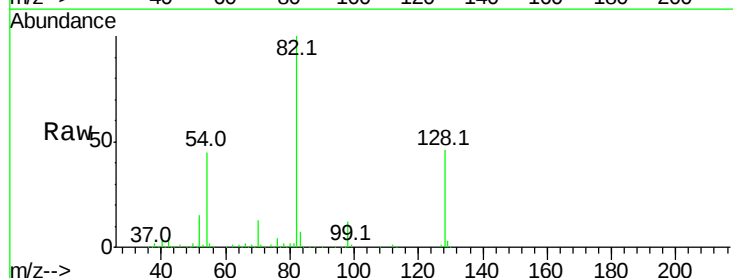
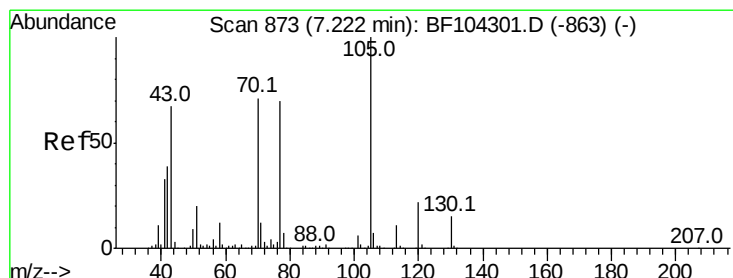
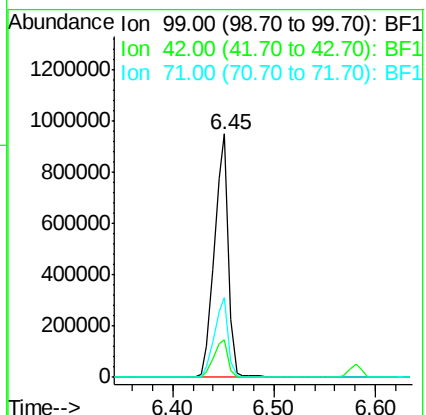
Tot Ion: 99 Resp: 903340

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 32.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 8.925 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

Tgt Ion: 70 Resp: 71975

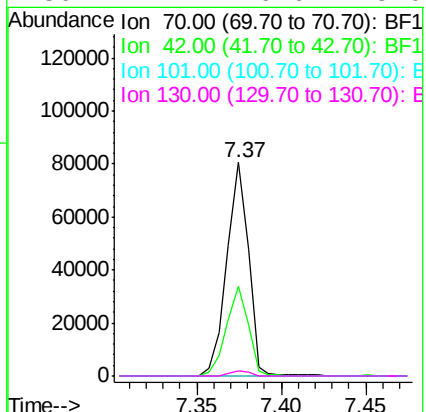
Ion Ratio Lower Upper

70 100

42 42.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

Instrument :

BNA_F

ClientSampleId :

CG-RO-721194

Tot Ion:136 Resp: 605067

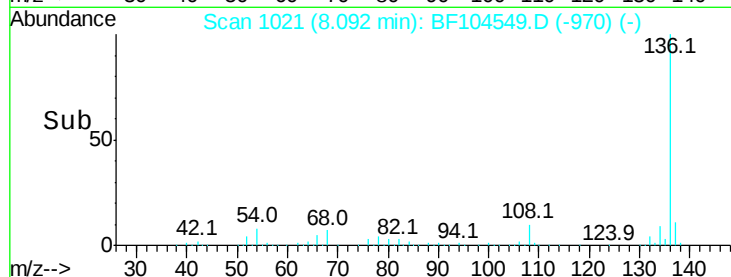
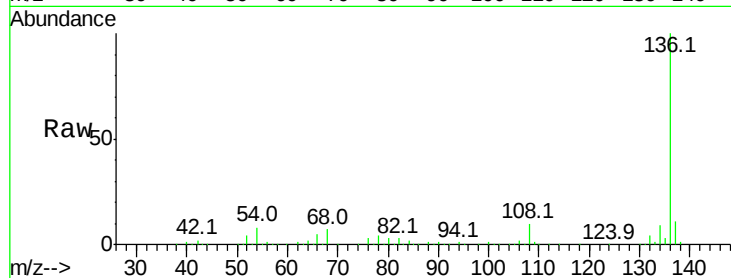
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.8 6.6 9.8

68 6.7 5.0 7.4

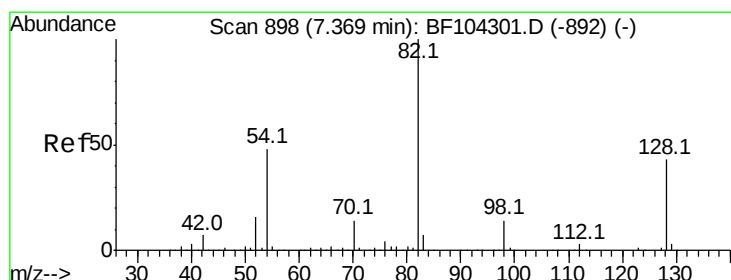
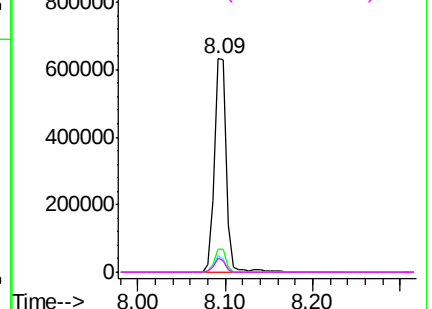


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.881 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

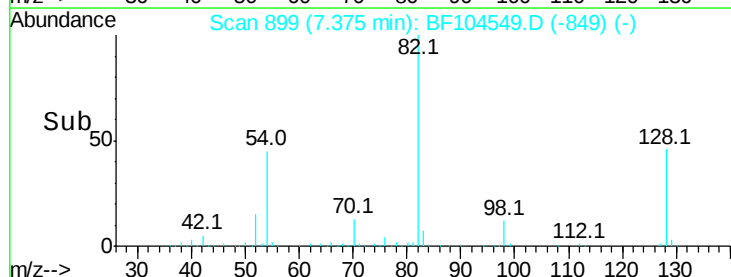
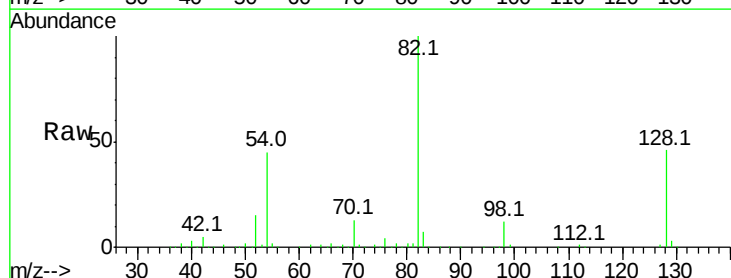
Tgt Ion: 82 Resp: 564140

Ion Ratio Lower Upper

82 100

128 46.0 36.1 54.1

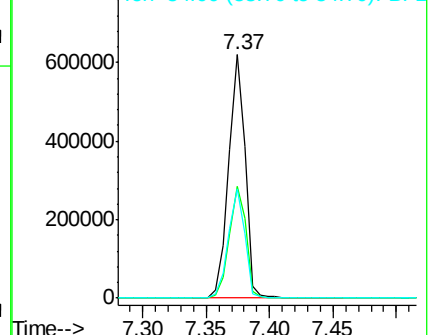
54 44.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.790 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

Instrument :

BNA_F

ClientSampleId :

CG-RO-721194

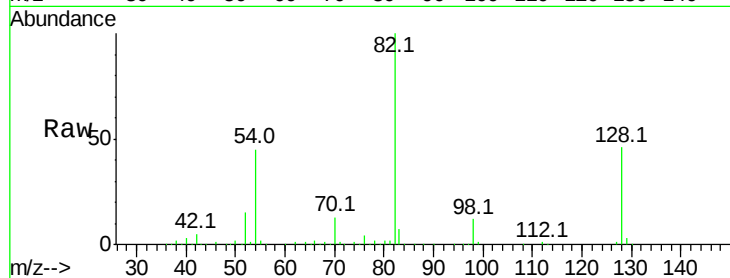
Tot Ion: 82 Resp: 564132

Ion Ratio Lower Upper

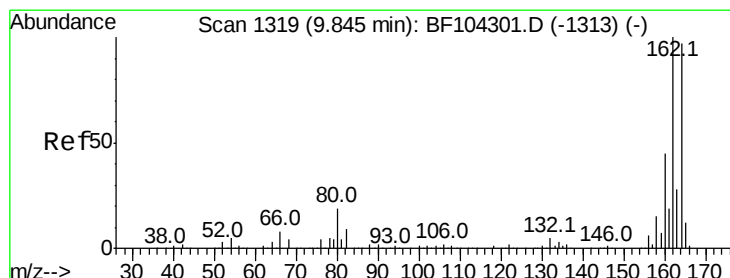
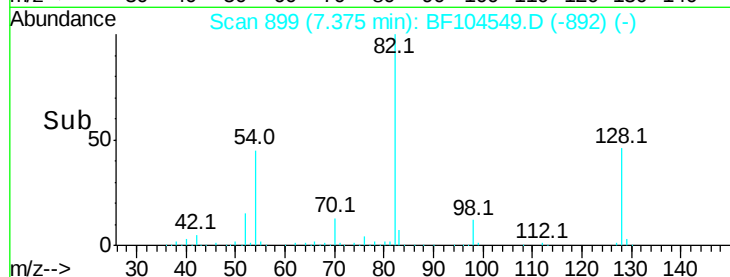
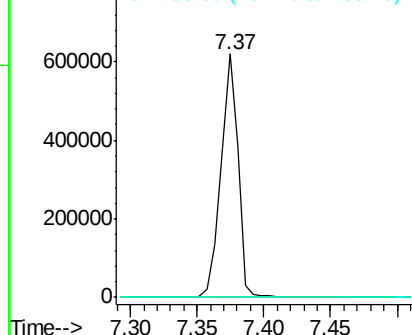
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

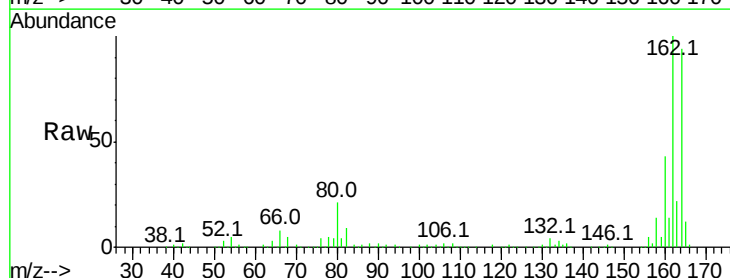
Tgt Ion:164 Resp: 244995

Ion Ratio Lower Upper

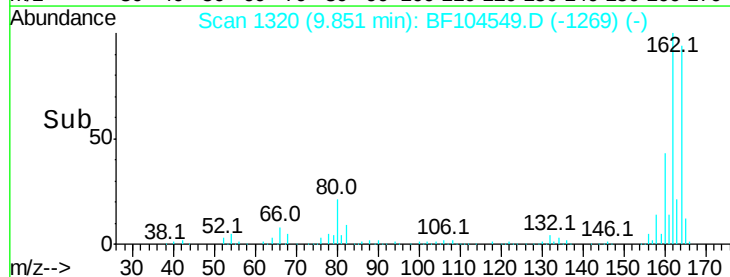
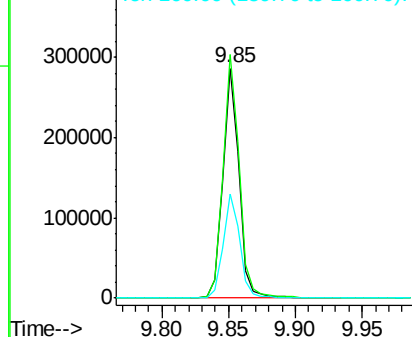
164 100

162 105.9 86.1 129.1

160 45.0 38.3 57.5



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

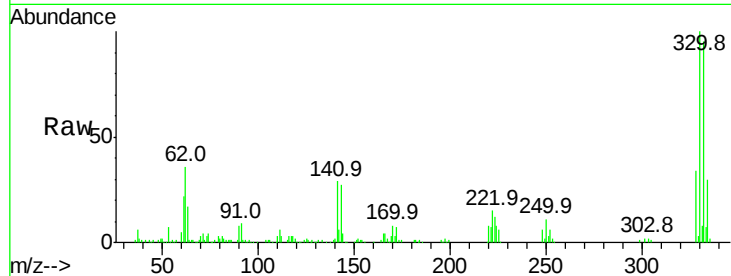




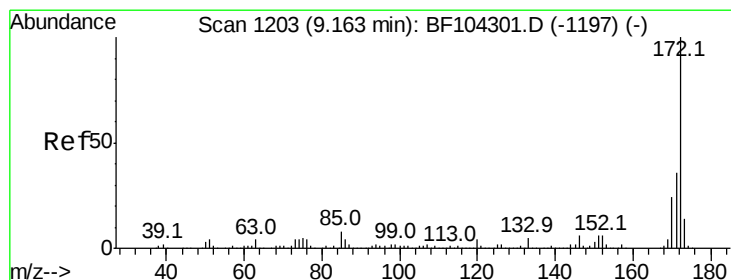
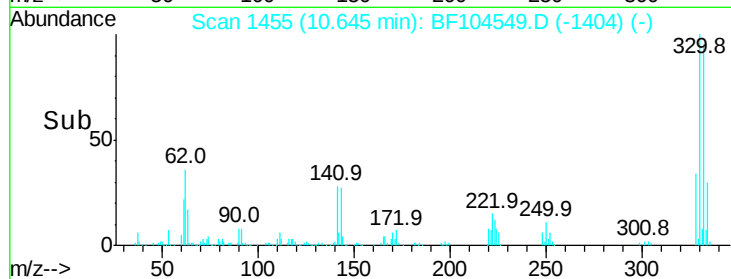
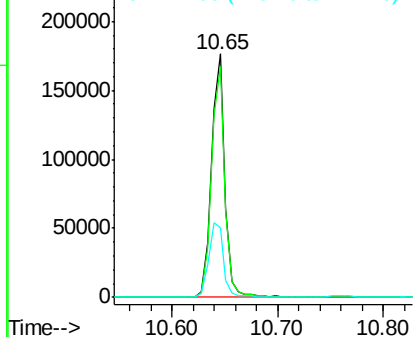
#41
 2,4,6-Tribromophenol
 Concen: 62.164 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104549.D
 Acq: 16 Apr 2018 22:40

Instrument :
 BNA_F
 ClientSampleId :
 CG-RO-721194

Tot Ion:330 Resp: 157984
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 33.2 29.9 44.9

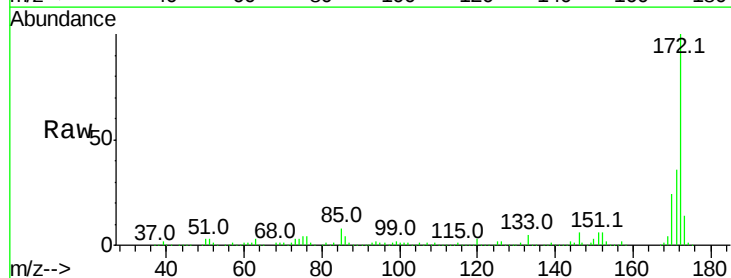


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

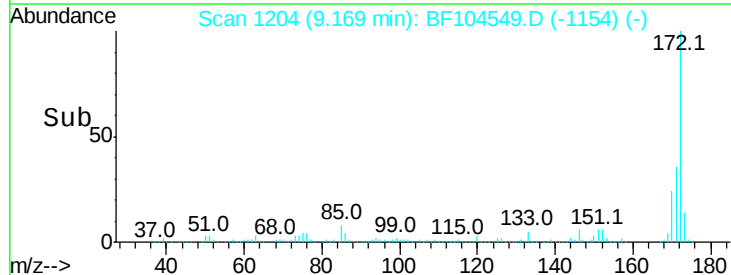
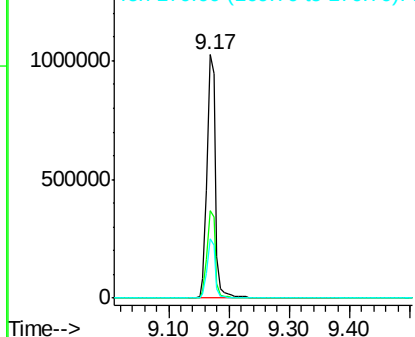


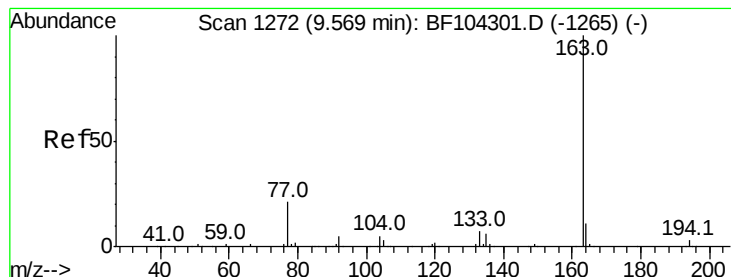
#44
 2-Fluorobiphenyl
 Concen: 64.747 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104549.D
 Acq: 16 Apr 2018 22:40

Tgt Ion:172 Resp: 1004126
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.1 19.6 29.4



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





#49

Dimethylphthalate

Concen: 5.480 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

Instrument :

BNA_F

ClientSampleId :

CG-RO-721194

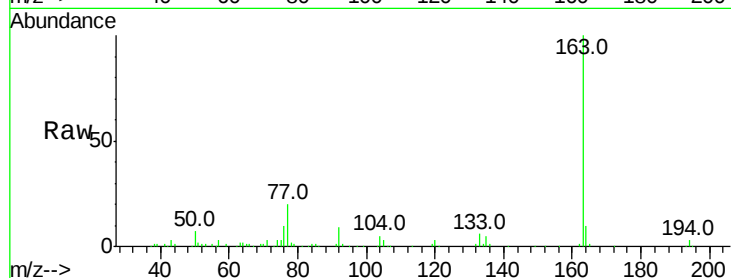
Tot Ion:163 Resp: 105879

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

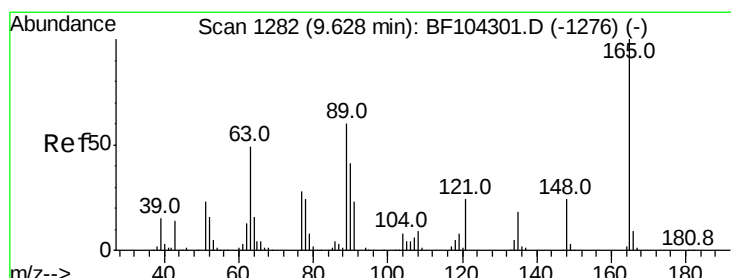
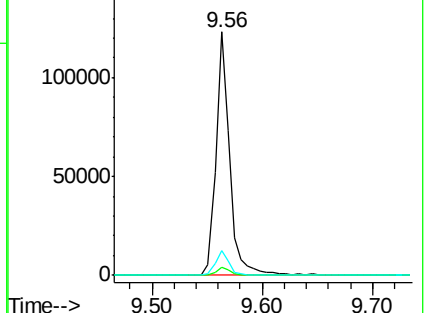
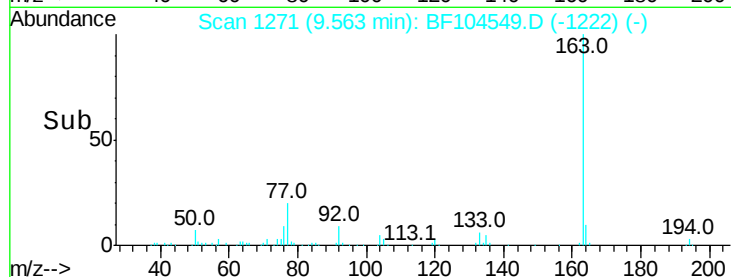
164 10.1 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 9.058 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

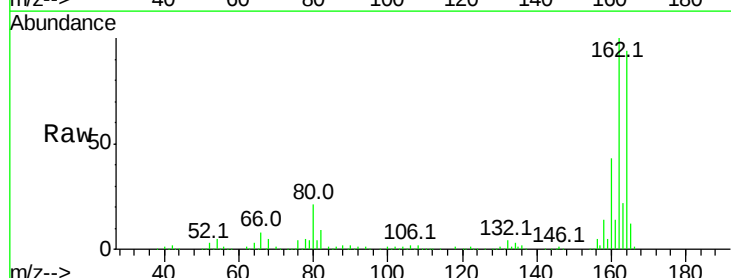
Tgt Ion:165 Resp: 32383

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

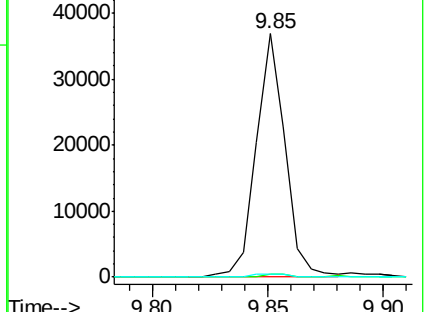
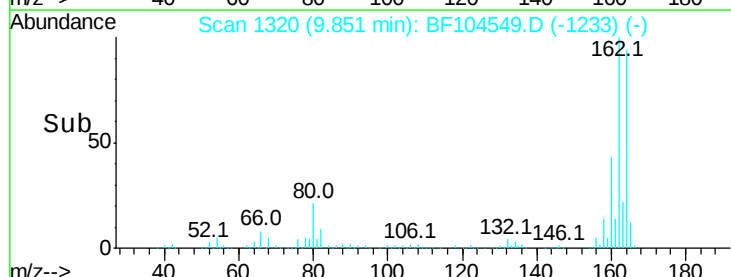
89 1.4 44.0 66.0#

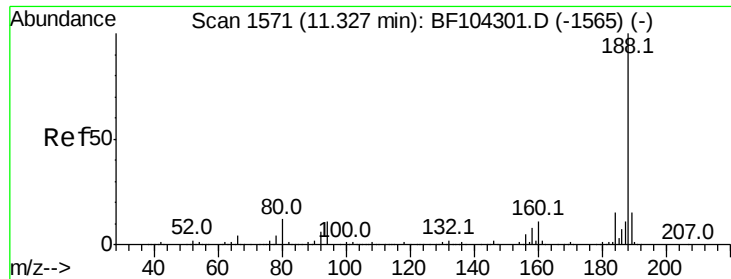


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

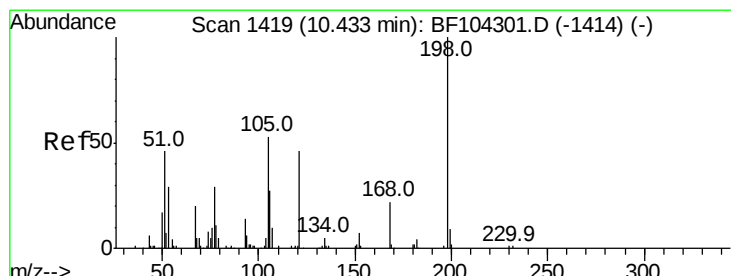
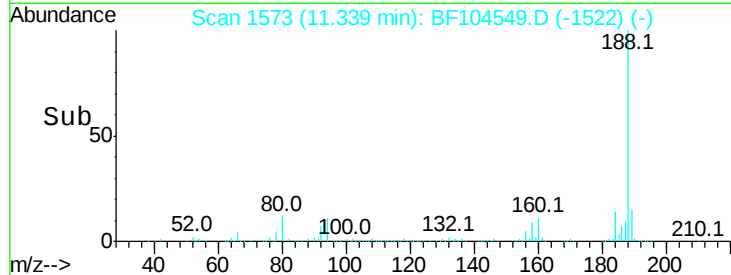
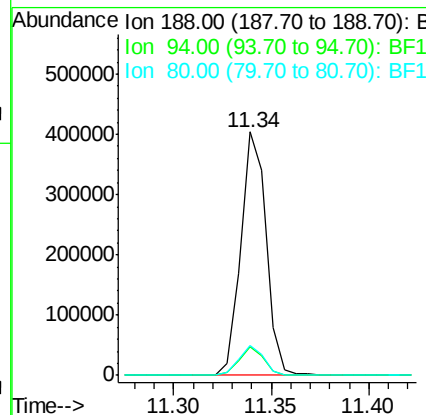
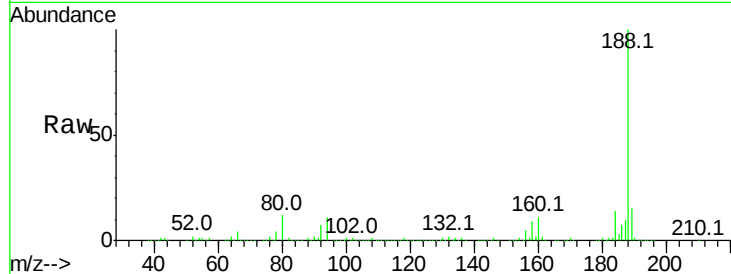




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF104549.D
 Acq: 16 Apr 2018 22:40

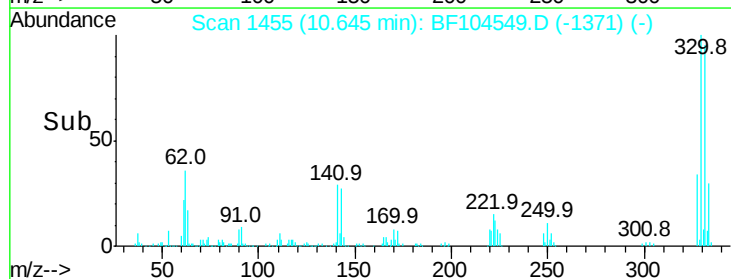
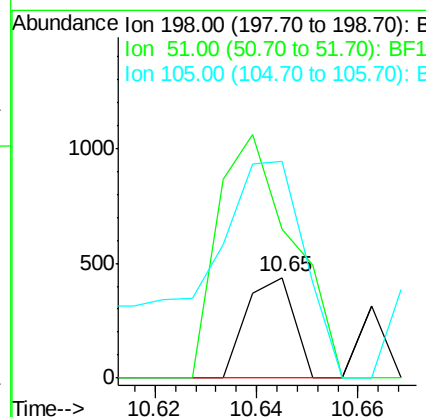
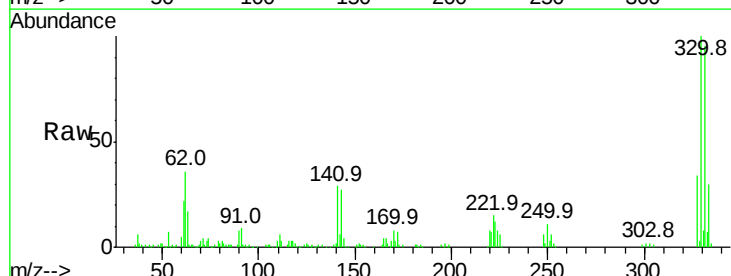
Instrument :
 BNA_F
 ClientSampleId :
 CG-RO-721194

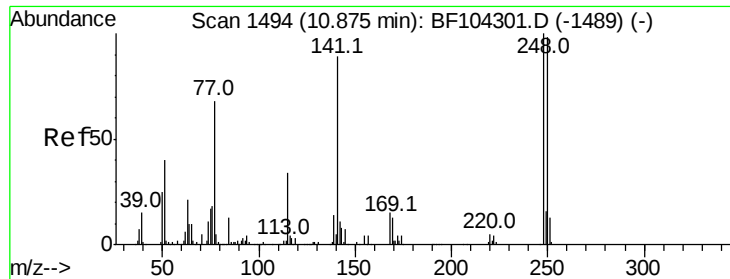
Tot Ion:188 Resp: 363169
 Ion Ratio Lower Upper
 188 100
 94 11.5 8.5 12.7
 80 12.2 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.484 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.19 min
 Lab File: BF104549.D
 Acq: 16 Apr 2018 22:40

Tgt Ion:198 Resp: 286
 Ion Ratio Lower Upper
 198 100
 51 147.8 37.7 77.7#
 105 215.3 36.3 76.3#

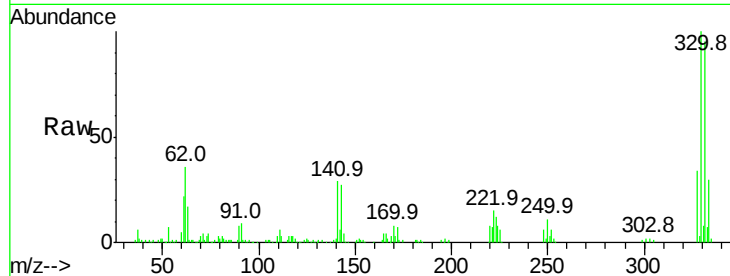




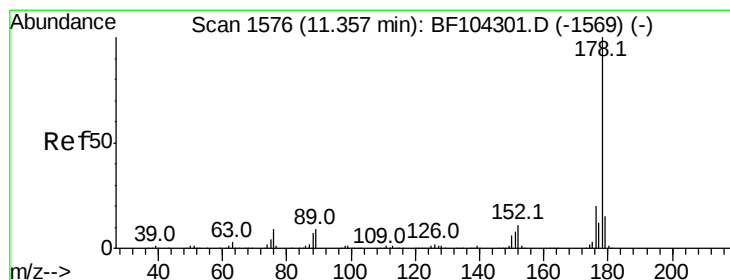
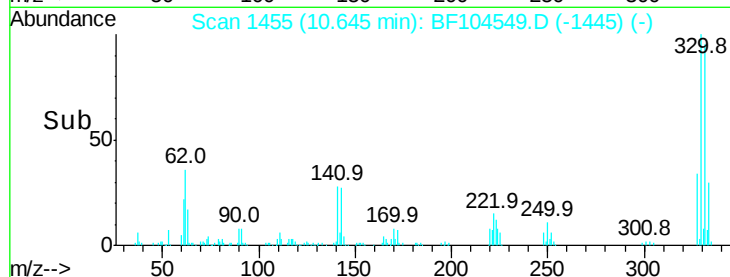
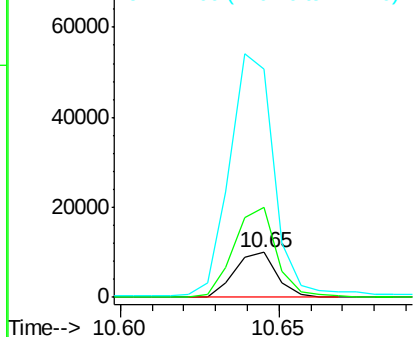
#66
 4-Bromophenyl-phenylether
 Concen: 2.388 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.24 min
 Lab File: BF104549.D
 Acq: 16 Apr 2018 22:40

Instrument :
 BNA_F
 ClientSampleId :
 CG-RO-721194

Tot Ion:248 Resp: 9224
 Ion Ratio Lower Upper
 248 100
 250 201.7 76.9 115.3#
 141 509.3 74.4 111.6#

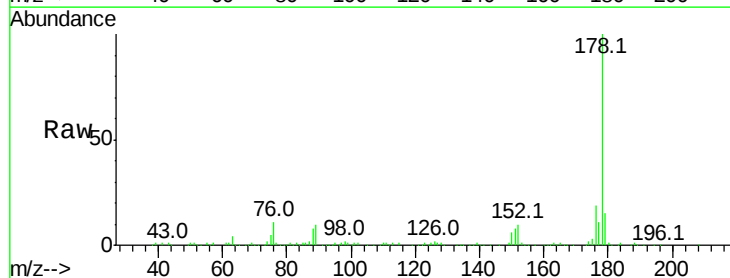


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

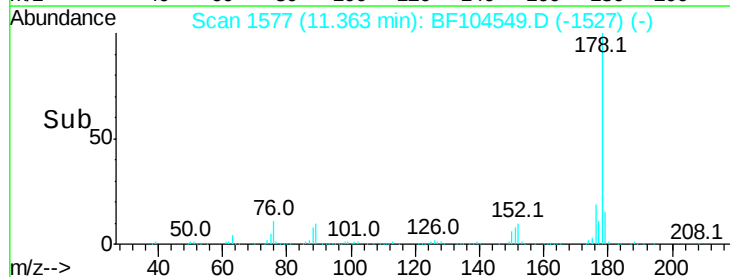
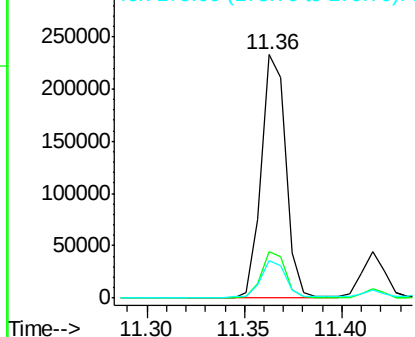


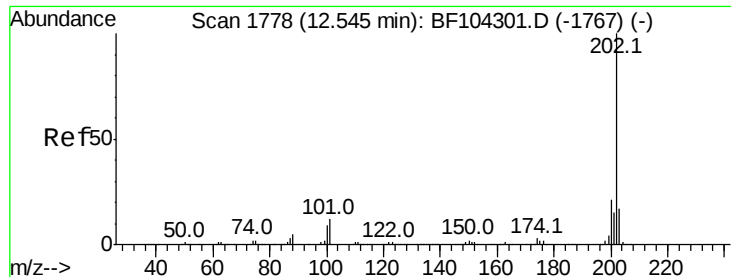
#70
 Phenanthrene
 Concen: 10.130 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF104549.D
 Acq: 16 Apr 2018 22:40

Tgt Ion:178 Resp: 204871
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 15.5 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.749 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

Instrument :

BNA_F

ClientSampleId :

CG-RO-721194

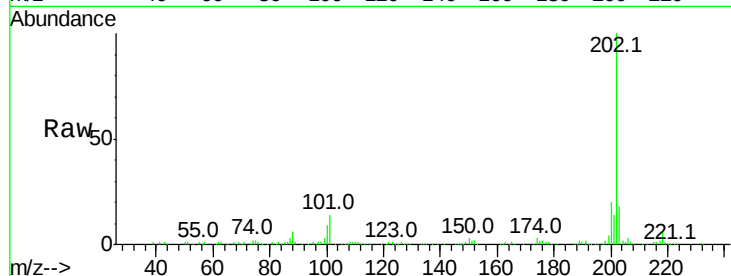
Tot Ion:202 Resp: 142616

Ion Ratio Lower Upper

202 100

101 14.2 0.0 34.1

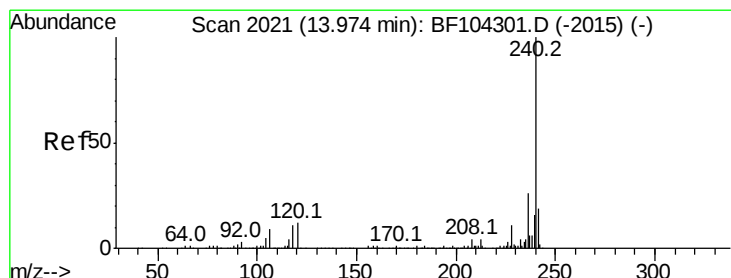
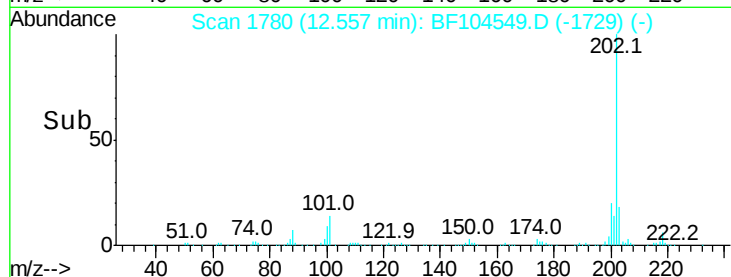
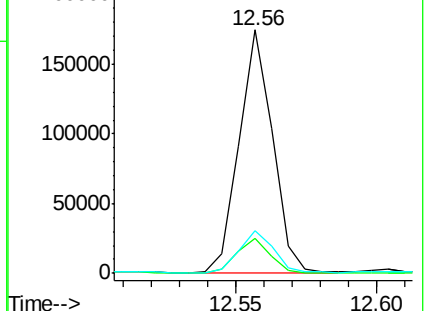
203 17.7 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

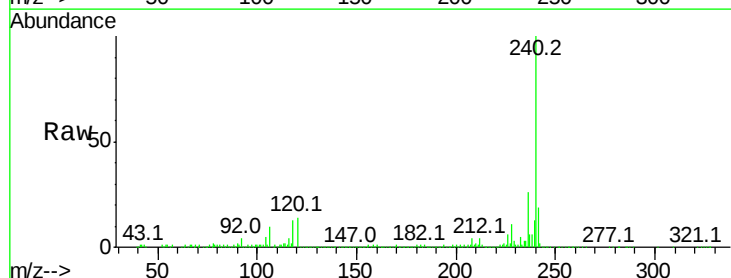
Tgt Ion:240 Resp: 288563

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

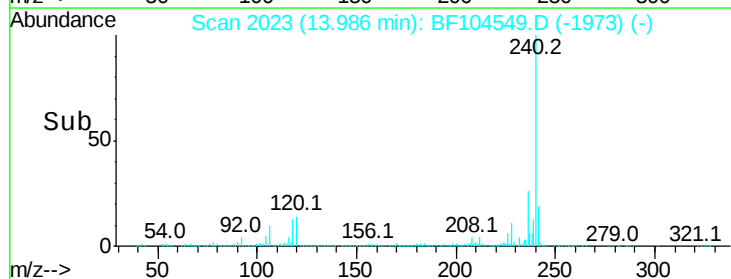
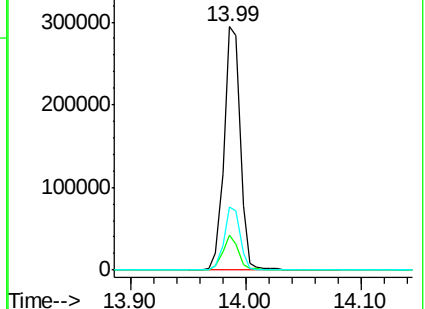
236 25.9 20.7 31.1

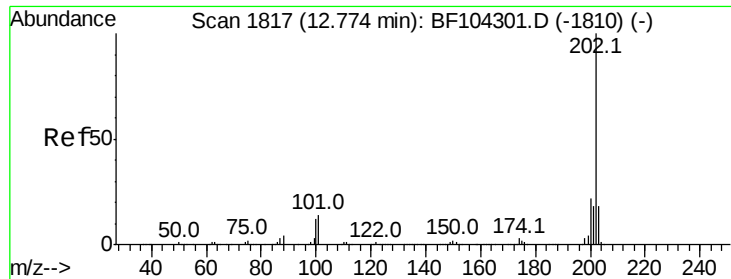


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

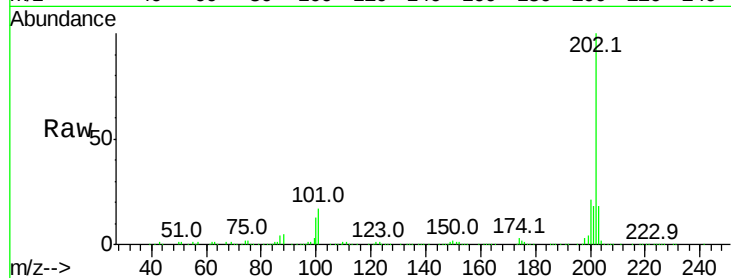




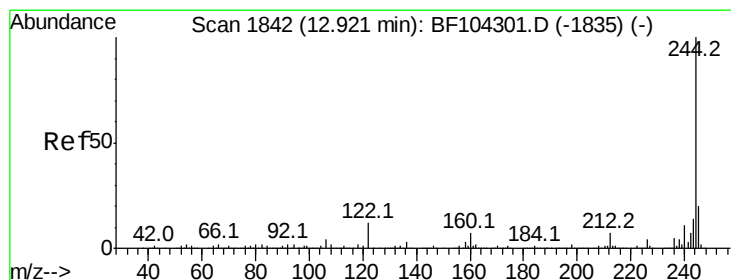
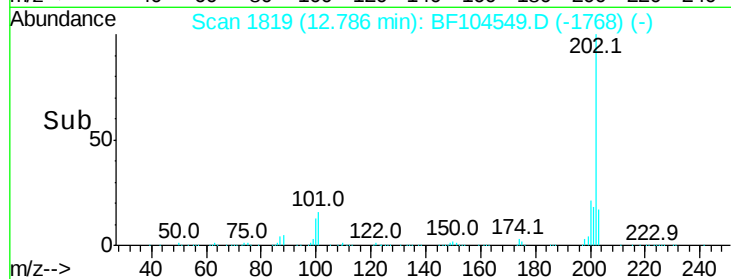
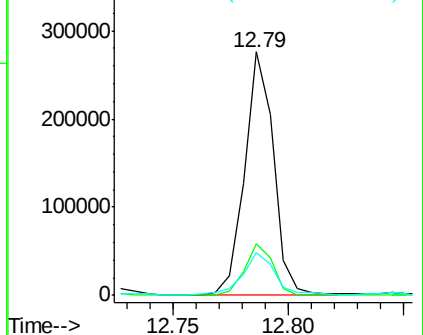
#77
Pvrene
Concen: 11.198 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BF104549.D
Acq: 16 Apr 2018 22:40

Instrument :
BNA_F
ClientSampleId :
CG-RO-721194

Tot Ion:202 Resp: 239514
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.8 14.3 21.5

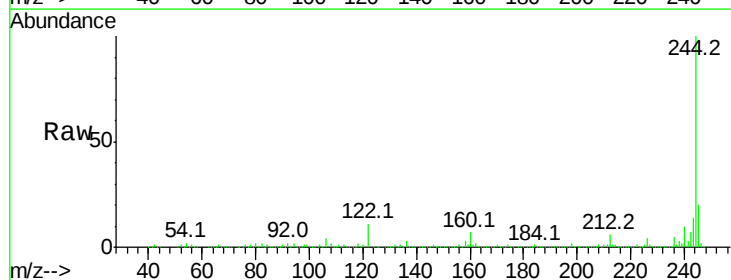


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

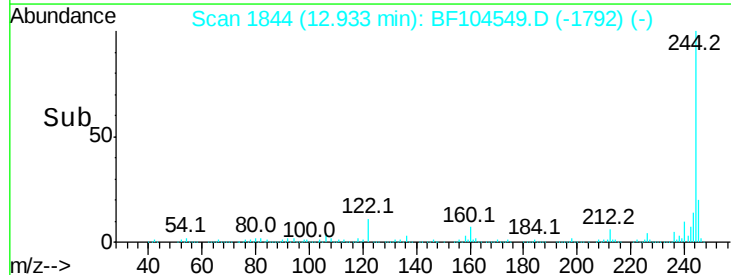
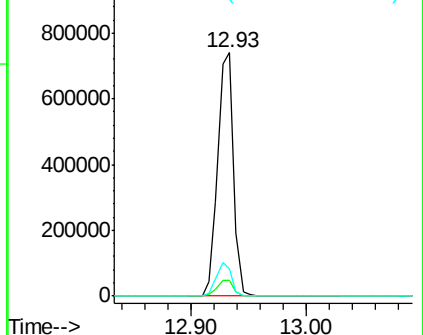


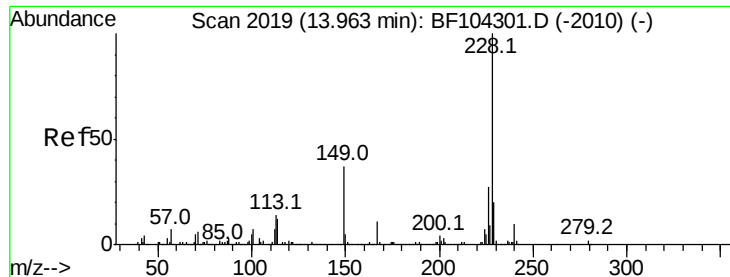
#78
Terphenyl-d14
Concen: 55.717 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.01 min
Lab File: BF104549.D
Acq: 16 Apr 2018 22:40

Tgt Ion:244 Resp: 705220
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 11.2 11.0 16.4



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





#80

Benzo(a)anthracene

Concen: 4.597 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.04 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

Instrument :

BNA_F

ClientSampleId :

CG-RO-721194

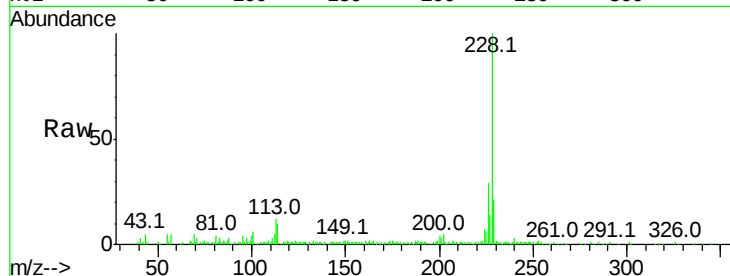
Tot Ion:228 Resp: 79253

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

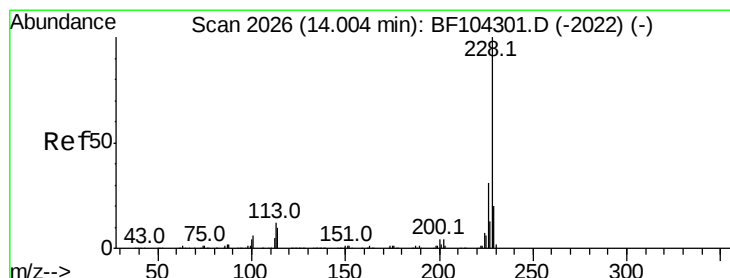
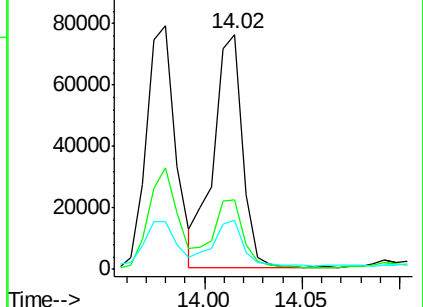
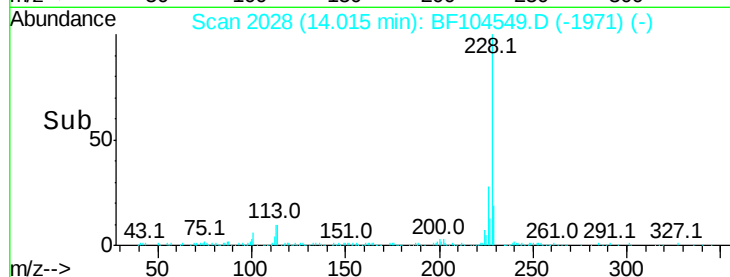
229 20.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.476 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

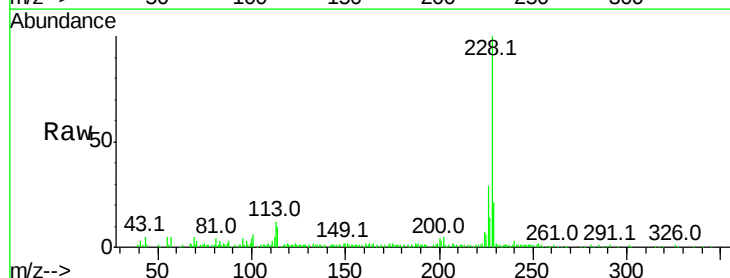
Tgt Ion:228 Resp: 79253

Ion Ratio Lower Upper

228 100

226 29.4 25.0 37.6

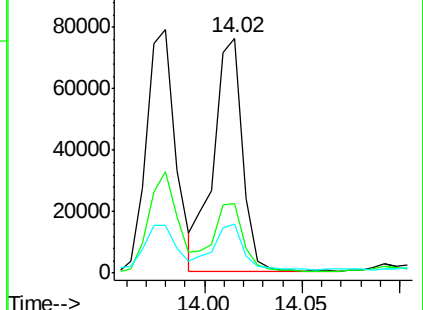
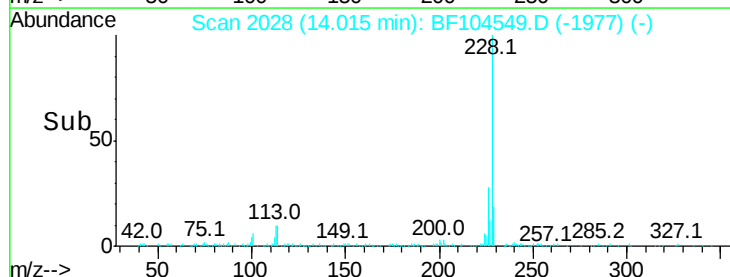
229 20.9 16.2 24.4

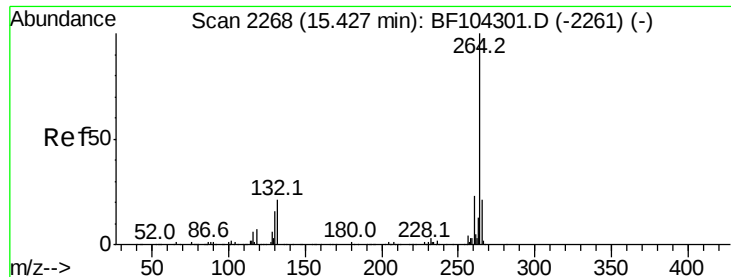


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

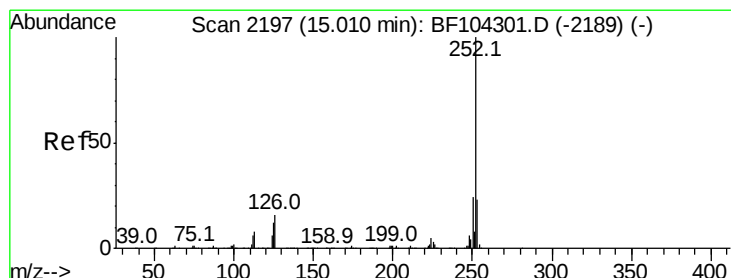
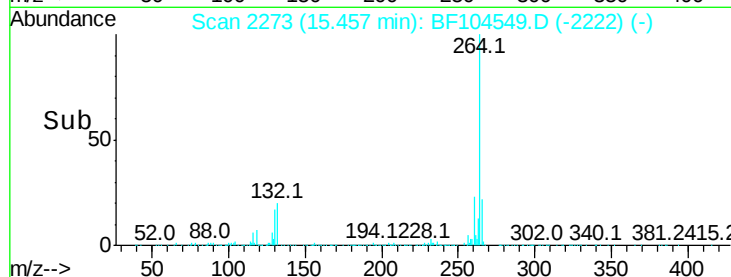
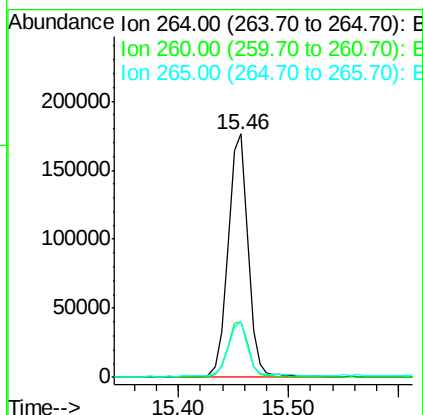
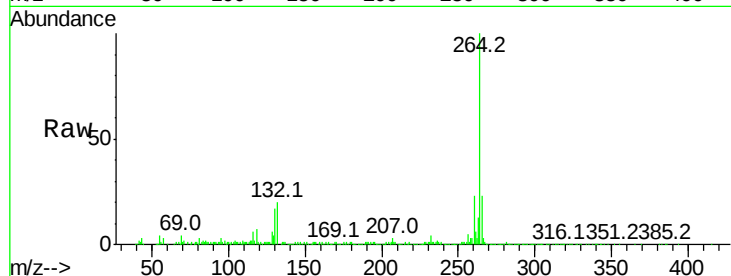




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF104549.D
Acq: 16 Apr 2018 22:40

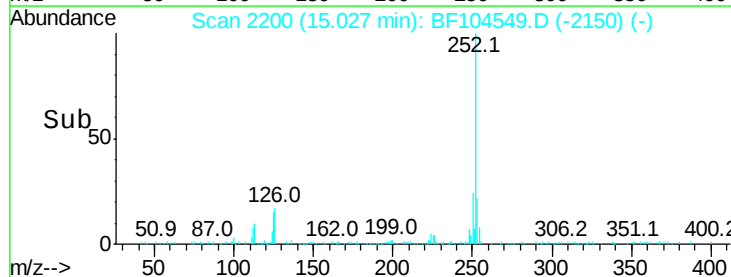
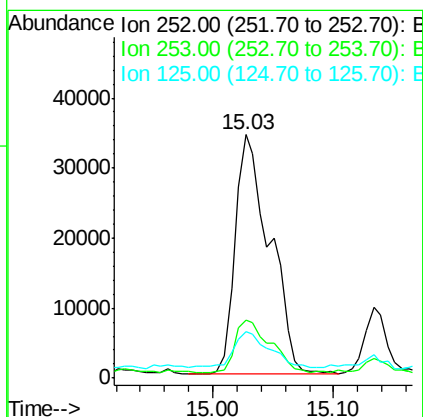
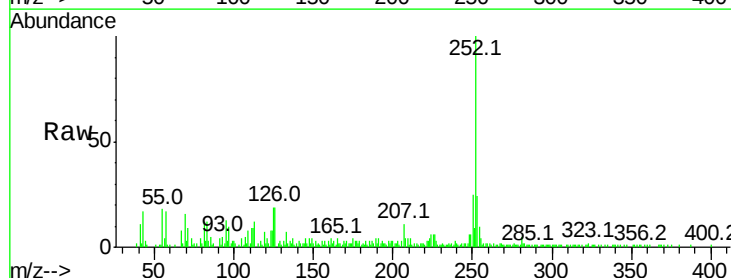
Instrument :
BNA_F
ClientSampleId :
CG-RO-721194

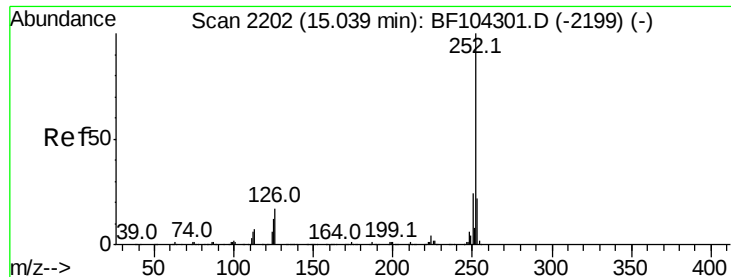
Tot Ion:264 Resp: 226970
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 22.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.801 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF104549.D
Acq: 16 Apr 2018 22:40

Tgt Ion:252 Resp: 68827
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 19.3 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 5.086 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.04 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

Instrument :

BNA_F

ClientSampleId :

CG-RO-721194

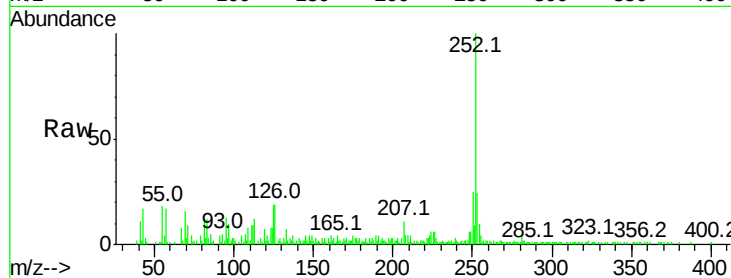
Tot Ion:252 Resp: 68827

Ion Ratio Lower Upper

252 100

253 24.0 17.9 26.9

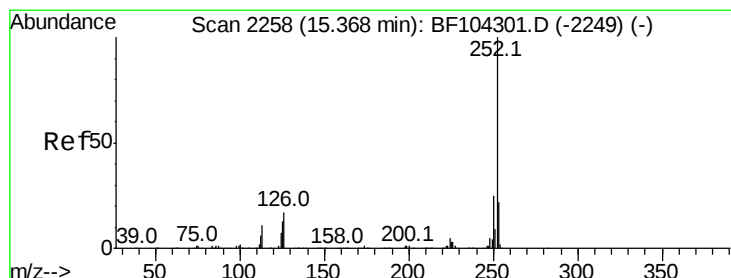
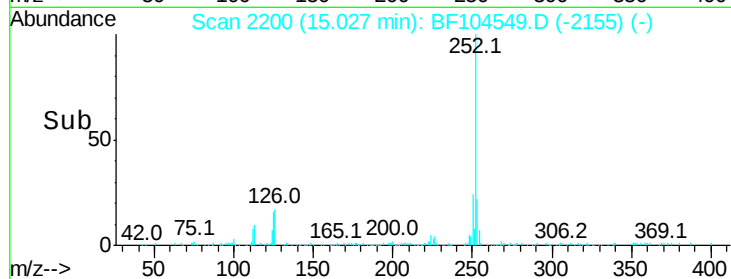
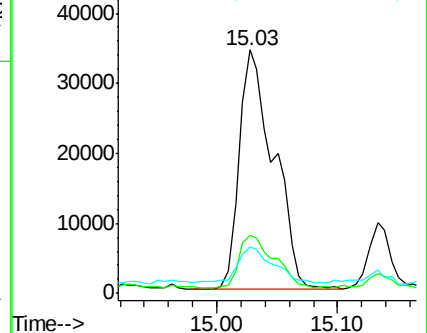
125 19.3 10.2 15.2#



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(a)pyrene

Concen: 3.596 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

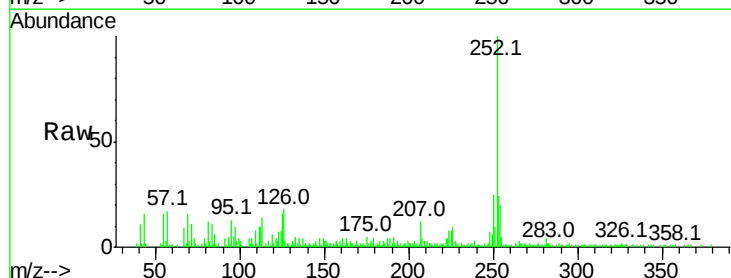
Tgt Ion:252 Resp: 46120

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

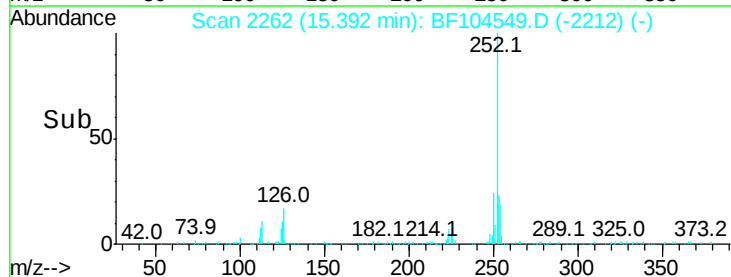
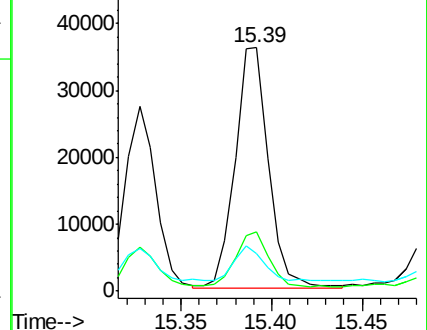
125 15.6 9.8 14.6#

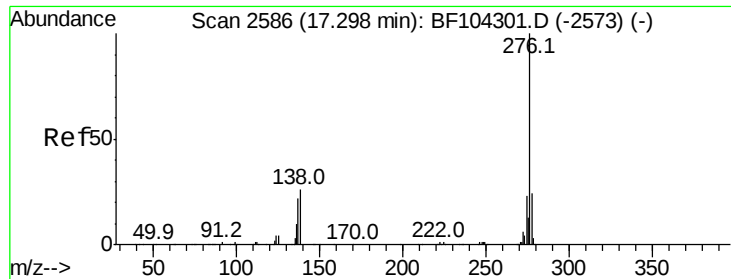


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.037 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BF104549.D

Acq: 16 Apr 2018 22:40

Instrument :

BNA_F

ClientSampleId :

CG-RO-721194

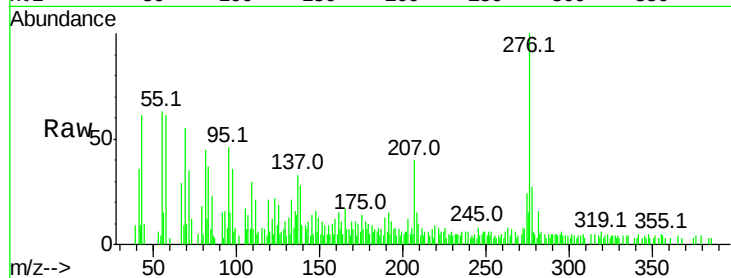
Tot Ion:276 Resp: 20792

Ion Ratio Lower Upper

276 100

277 26.7 17.9 26.9

138 28.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

