

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104566.D
 Acq On : 17 Apr 2018 17:31
 Operator : JU/SJ
 Sample : J2395-01RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 18:12:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

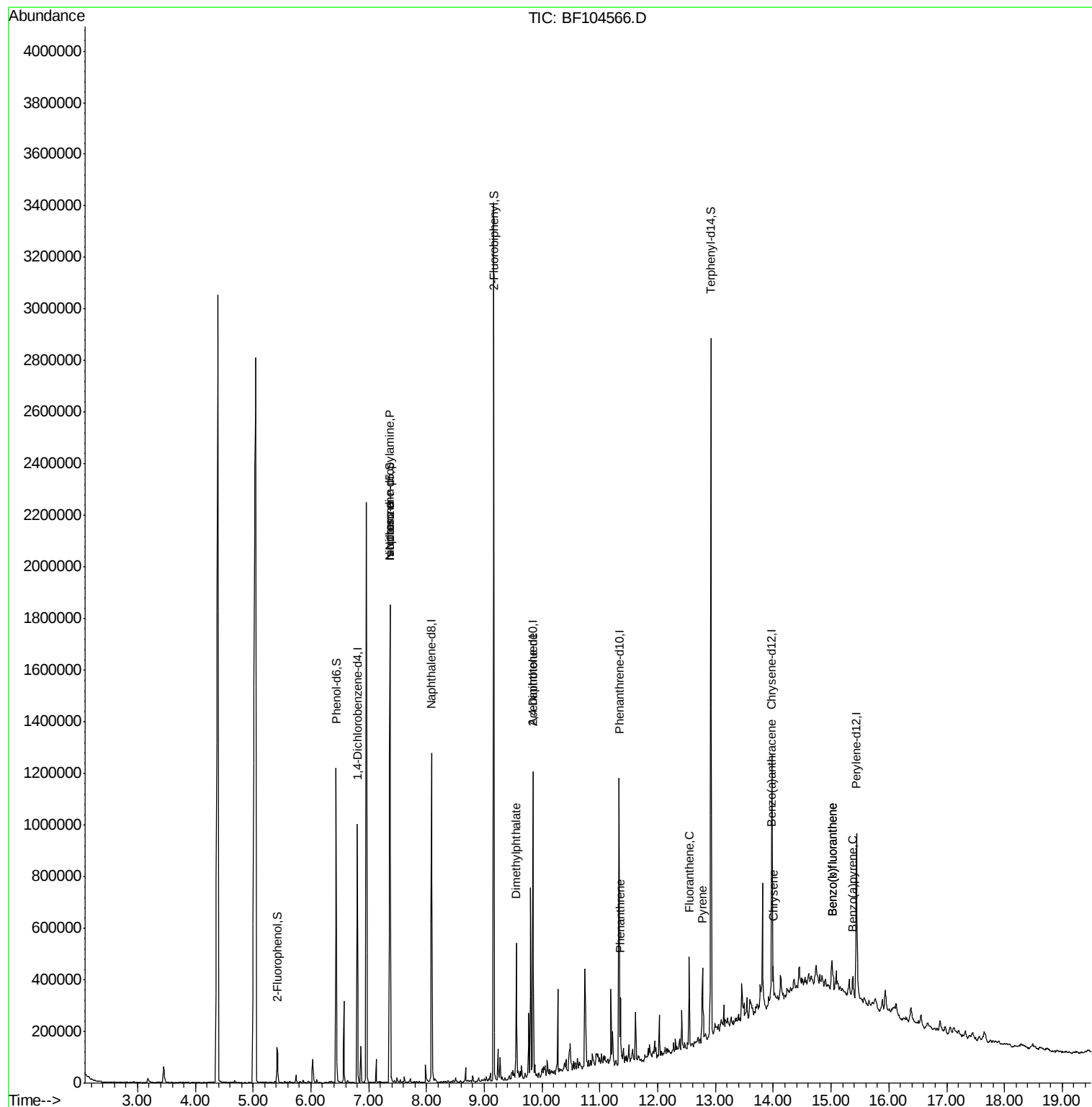
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	131805	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	534251	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	230206	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	386351	20.00	ng	0.00
75) Chrysene-d12	13.97	240	314031	20.00	ng	0.00
86) Perylene-d12	15.44	264	275983	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	41582	4.82	ng	0.00
7) Phenol-d6	6.43	99	413465	39.04	ng	-0.01
23) Nitrobenzene-d5	7.37	82	609878	74.54	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	477	0.20	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1037859	71.22	ng	0.00
78) Terphenyl-d14	12.92	244	915673	66.48	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	1602	Below Cal		86
19) n-Nitroso-di-n-propylamine	7.37	70	79864	11.539 ng	#	71
25) Isophorone	7.37	82	609871	35.250 ng	#	64
49) Dimethylphthalate	9.56	163	169332	9.328 ng		98
56) 2,4-Dinitrotoluene	9.85	165	30632	6.952 ng	#	24
70) Phenanthrene	11.36	178	93813	4.360 ng		97
74) Fluoranthene	12.54	202	113971	5.070 ng		98
76) Benzydine	12.92	184	12836	Below Cal		98
77) Pyrene	12.77	202	106139	4.560 ng		98
80) Benzo(a)anthracene	13.96	228	49179	2.621 ng		97
82) Chrysene	14.00	228	48775	2.531 ng		97
87) Benzo(b)fluoranthene	15.02	252	72347	4.151 ng	#	86
88) Benzo(k)fluoranthene	15.02	252	72347	4.396 ng	#	89
89) Benzo(a)pyrene	15.37	252	37888	2.429 ng	#	86

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

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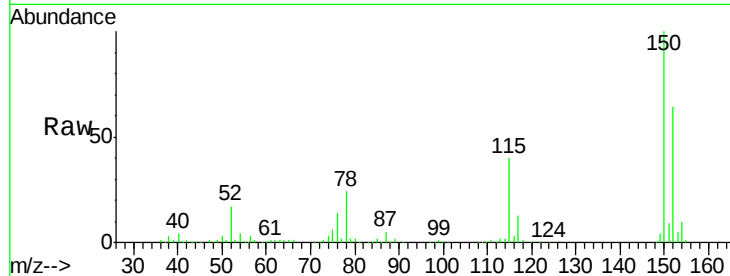


#1

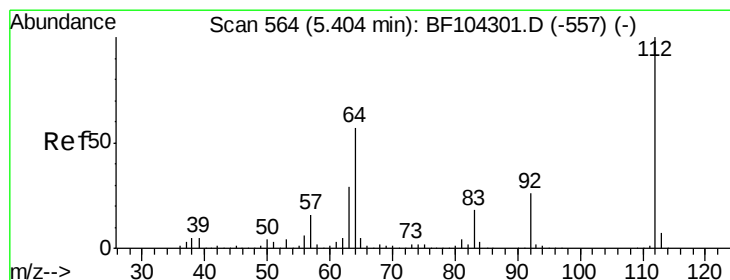
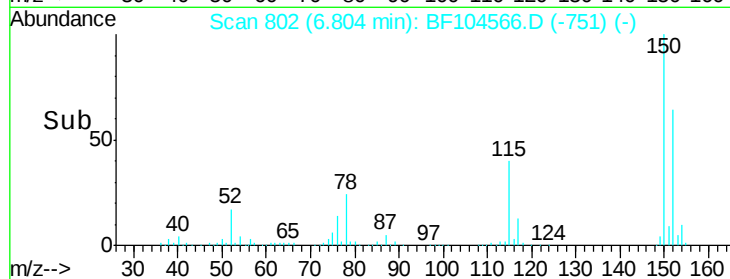
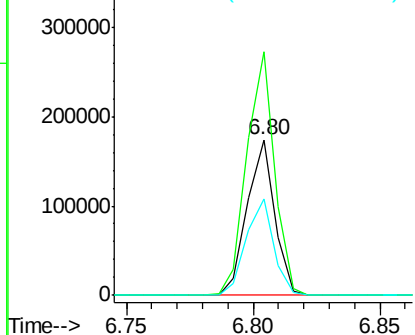
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131805
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 61.9 50.1 75.1



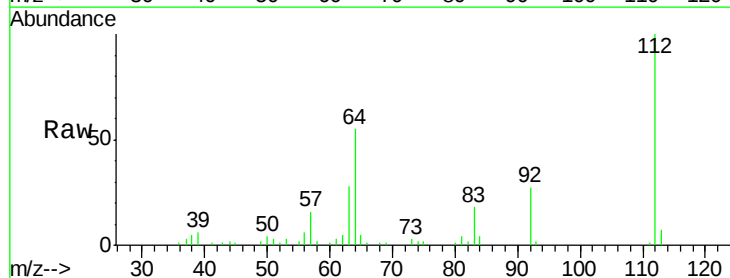
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



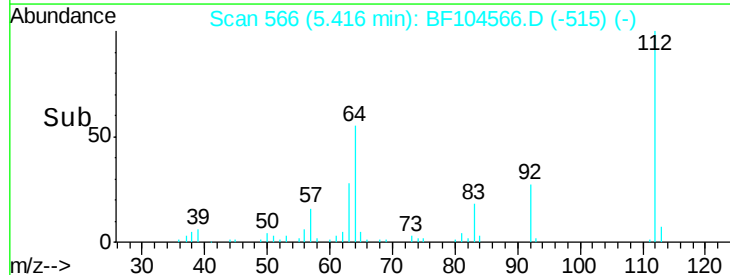
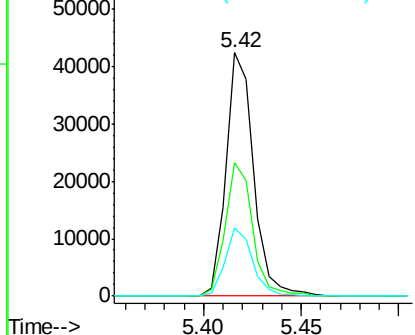
#5

2-Fluorophenol
Concen: 4.824 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

Tgt Ion:112 Resp: 41582
Ion Ratio Lower Upper
112 100
64 54.9 47.9 71.9
63 28.0 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: 39.039 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Instrument :

BNA_F

ClientSampleId :

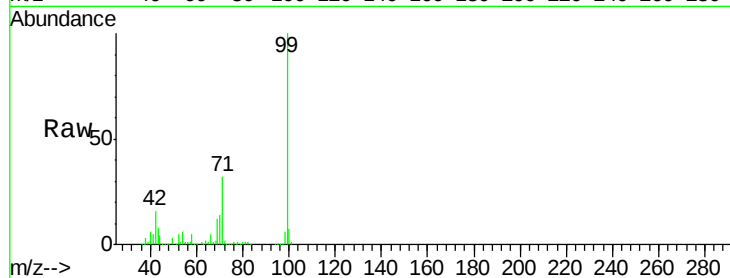
Tot Ion: 99 Resp: 413465

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

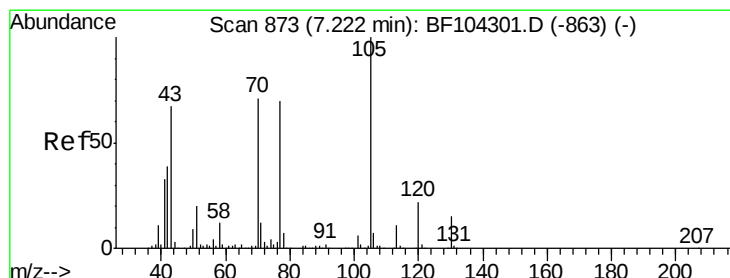
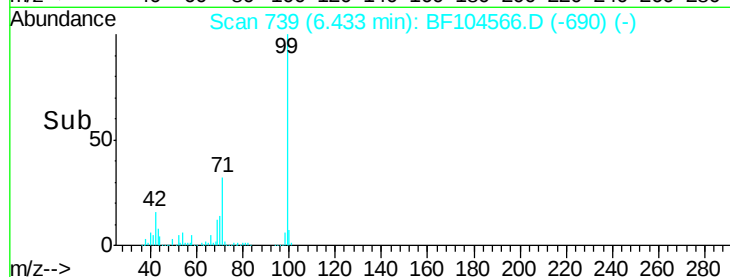
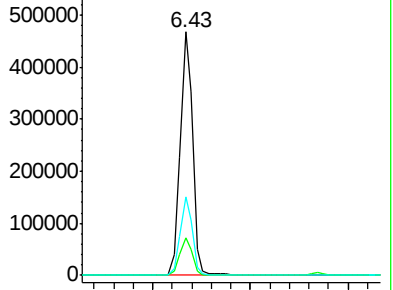
71 32.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.539 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Tgt Ion: 70 Resp: 79864

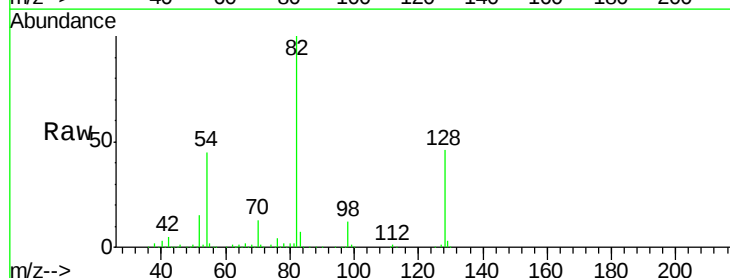
Ion Ratio Lower Upper

70 100

42 39.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

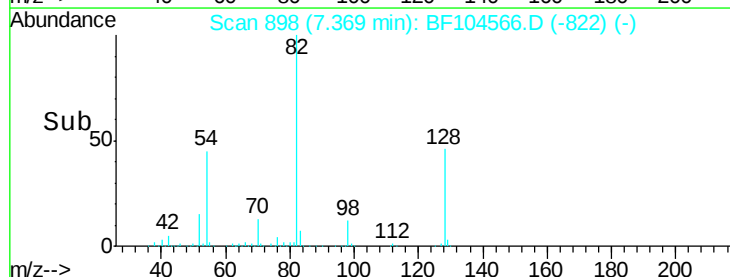
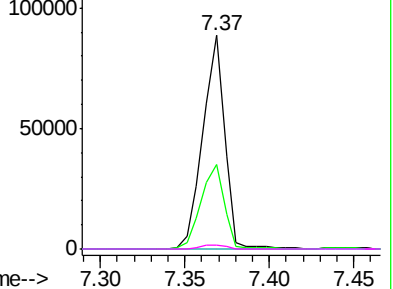


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

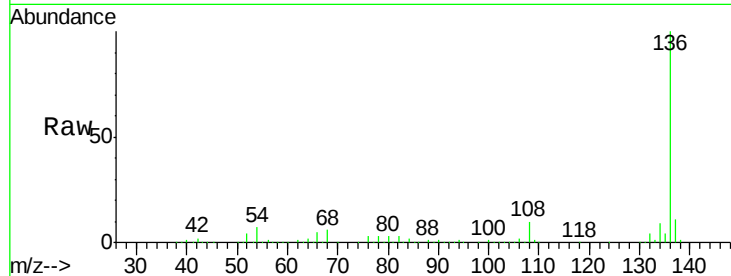




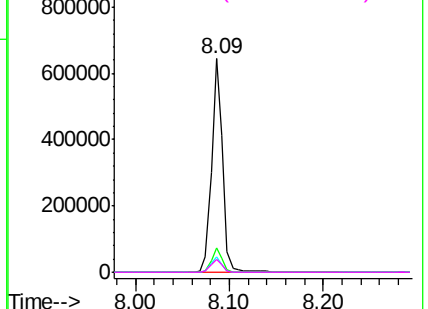
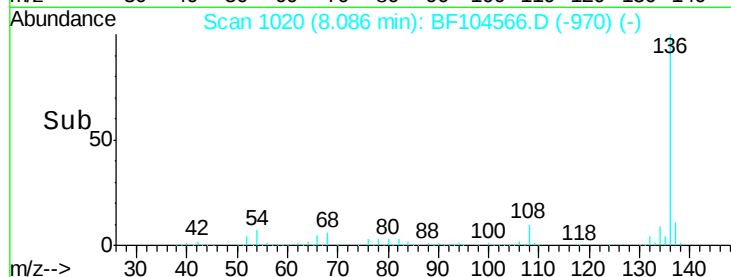
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	534251
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	7.2	6.6 9.8
68	6.2	5.0 7.4

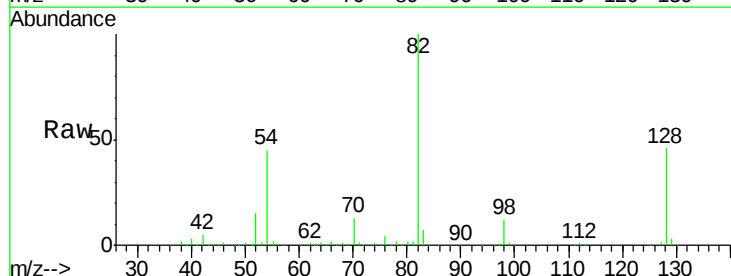


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

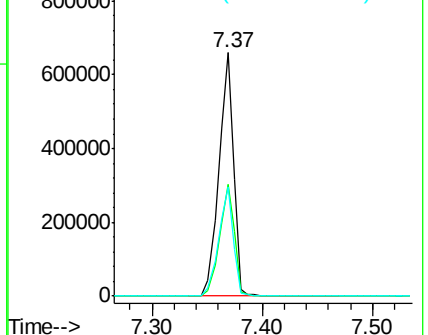
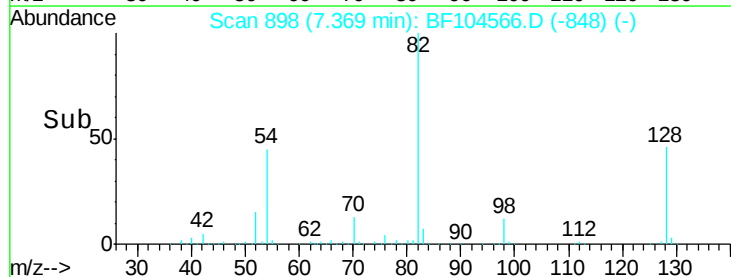


#23
Nitrobenzene-d5
Concen: 74.541 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

Tgt Ion: 82	Resp:	609878
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: 35.250 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Instrument :

BNA_F

ClientSampled :

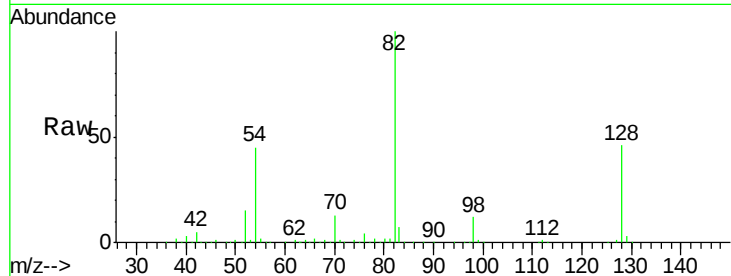
Tot Ion: 82 Resp: 609871

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

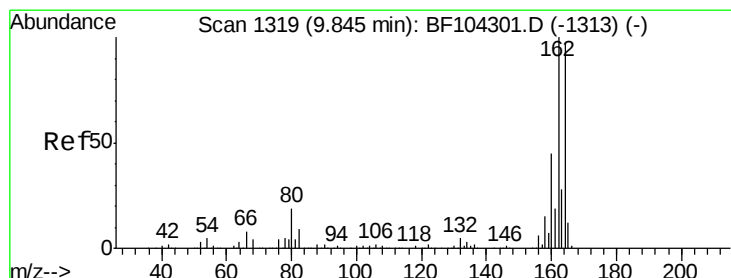
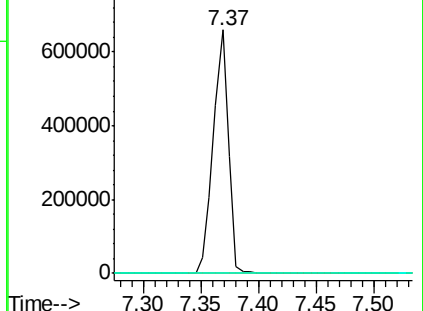
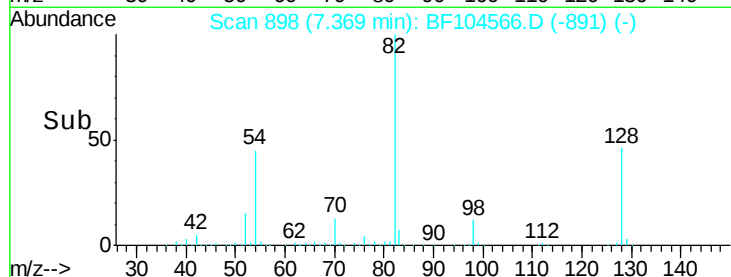
138 0.0 14.9 22.3#



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# 1319

Delta R.T. -0.00 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

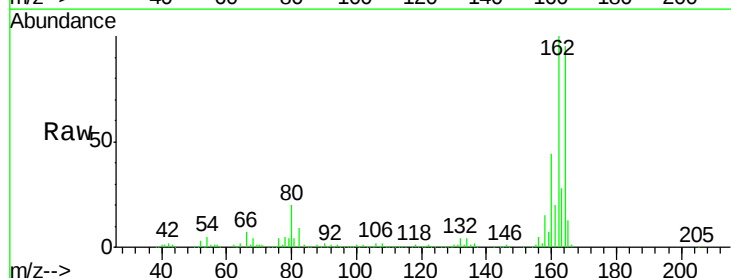
Tgt Ion:164 Resp: 230206

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

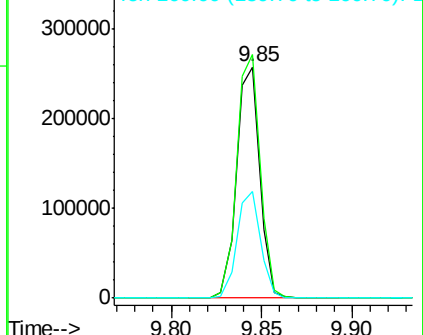
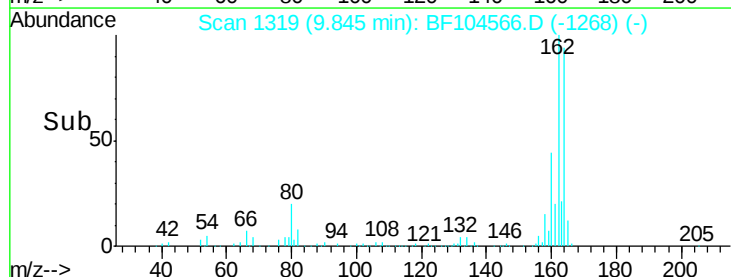
160 46.3 38.3 57.5



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

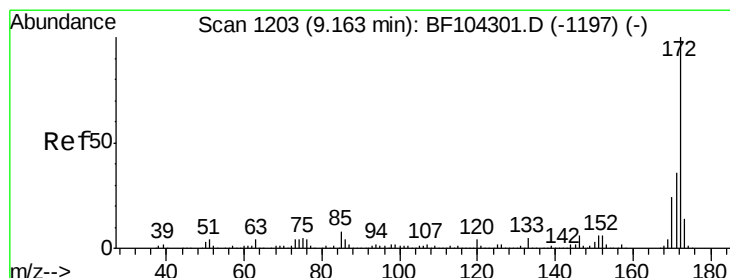
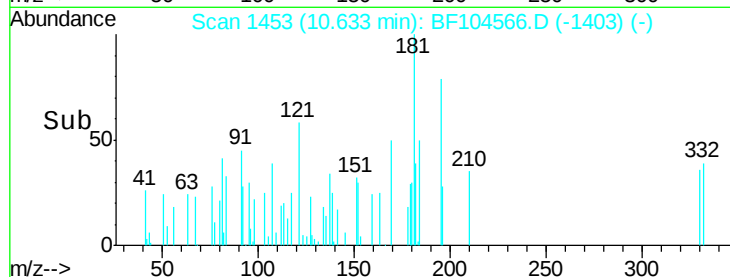
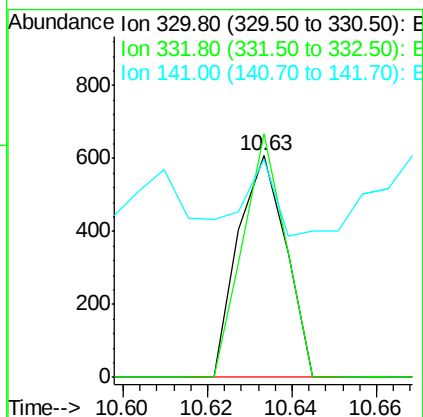
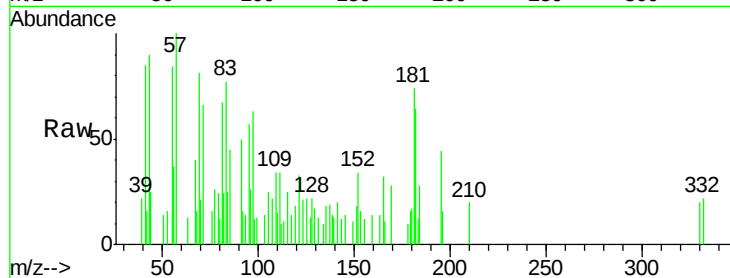




#41
 2,4,6-Tribromophenol
 Concen: 0.200 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104566.D
 Acq: 17 Apr 2018 17:31

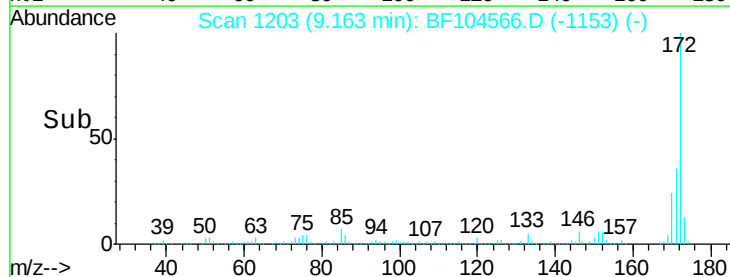
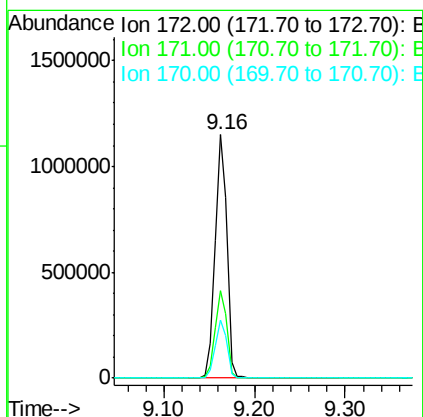
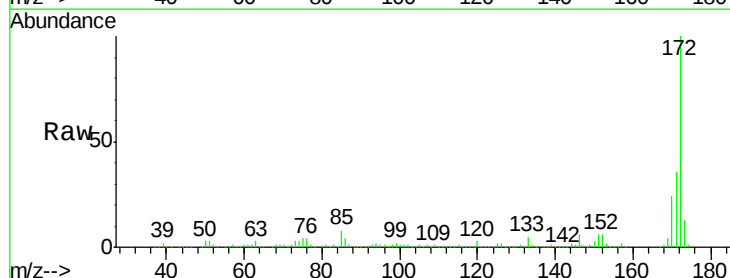
Instrument :
 BNA_F
 ClientSampled :

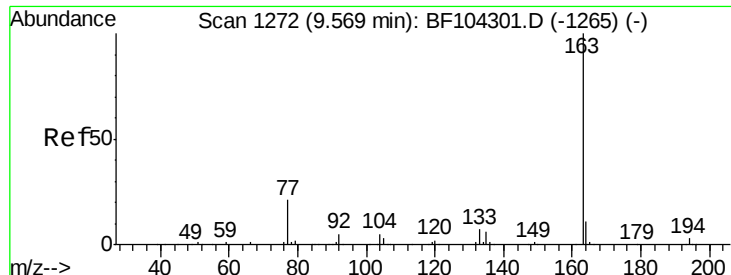
Tot Ion:330 Resp: 477
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 0.0 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 71.221 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104566.D
 Acq: 17 Apr 2018 17:31

Tgt Ion:172 Resp: 1037859
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.8 19.6 29.4

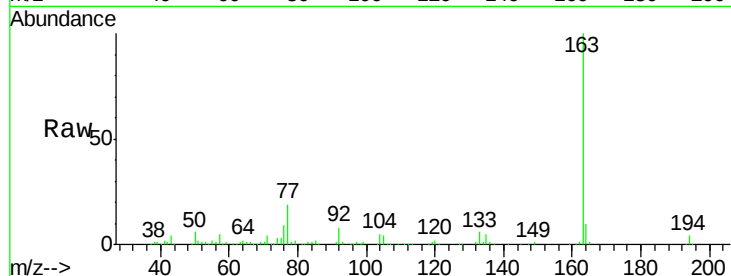




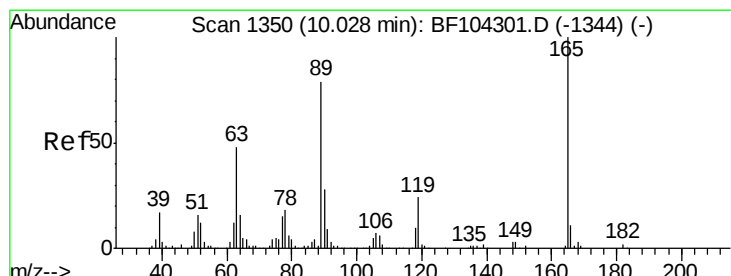
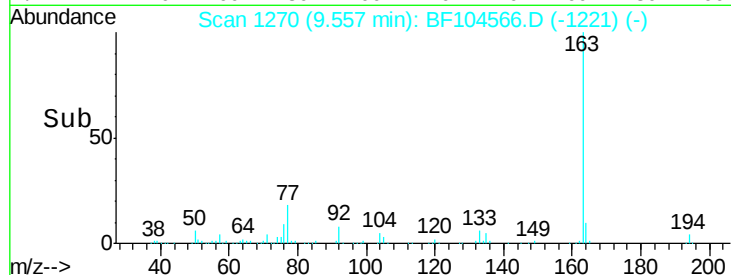
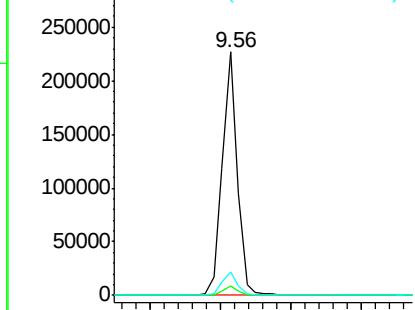
#49
Dimethylphthalate
Concen: 9.328 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 169332
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.5 8.2 12.2

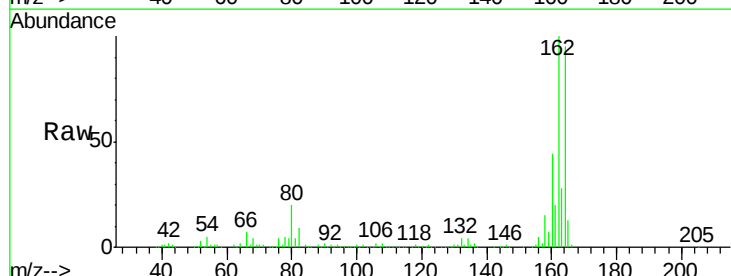


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

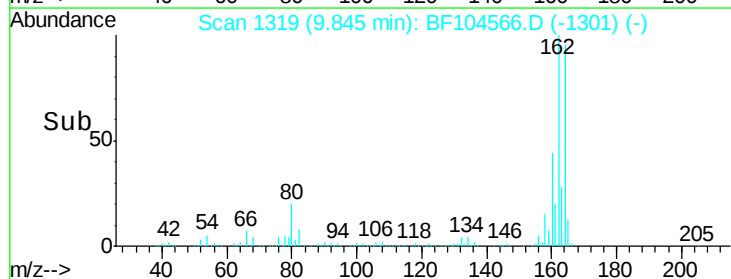
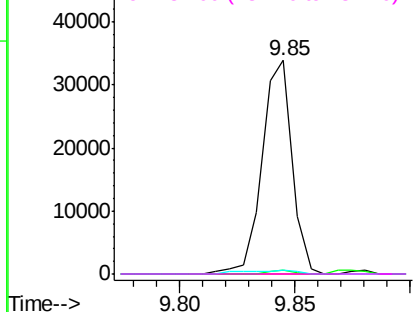


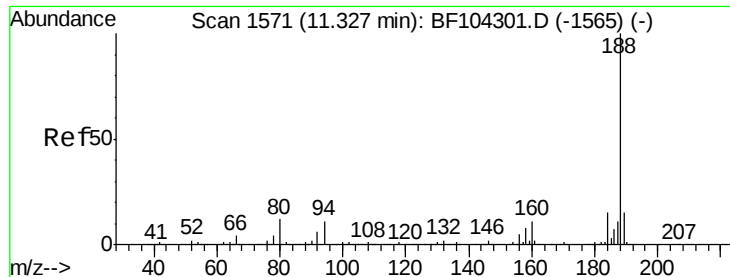
#56
2,4-Dinitrotoluene
Concen: 6.952 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

Tgt Ion:165 Resp: 30632
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 2.1 57.8 86.6#
182 0.0 1.6 2.4#



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

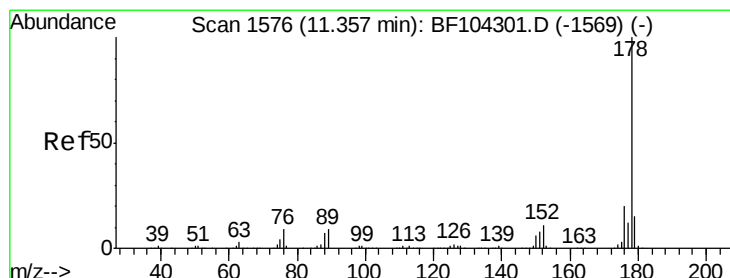
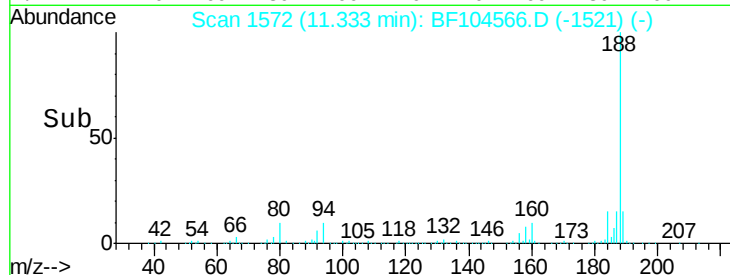
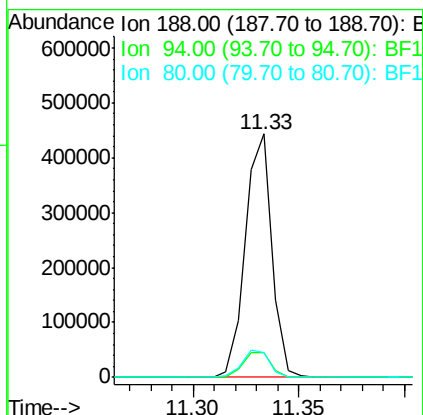
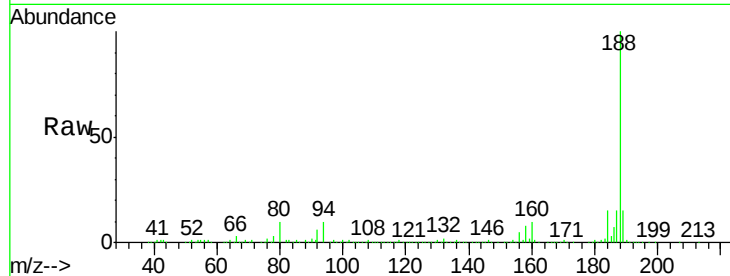




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

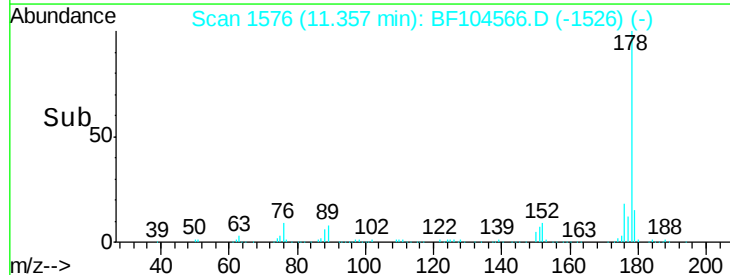
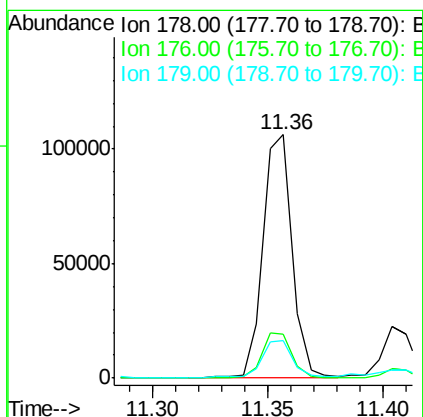
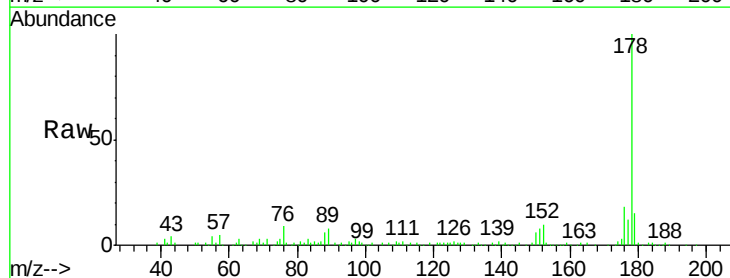
Instrument :
BNA_F
ClientSampleId :

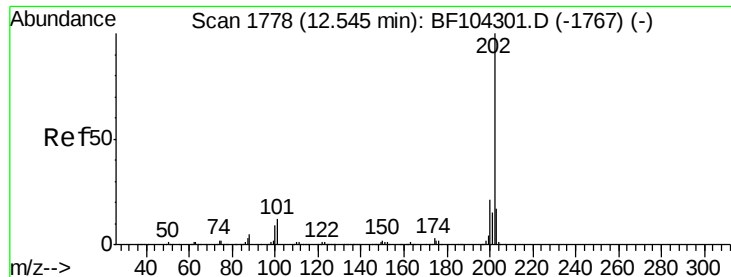
Tot Ion:188 Resp: 386351
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.4 9.2 13.8



#70
Phenanthrene
Concen: 4.360 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

Tgt Ion:178 Resp: 93813
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 15.4 13.0 19.6





#74

Fluoranthene

Concen: 5.070 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Instrument :

BNA_F

ClientSampleId :

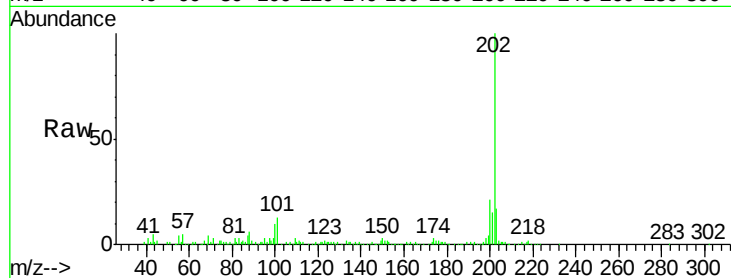
Tot Ion:202 Resp: 113971

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

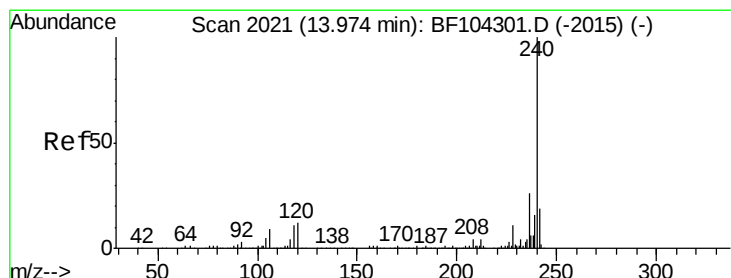
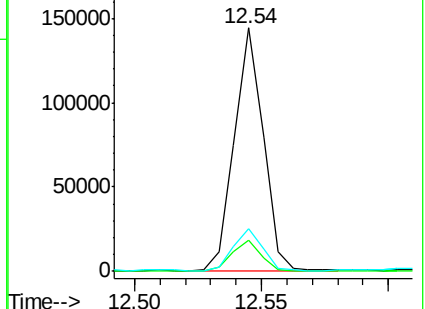
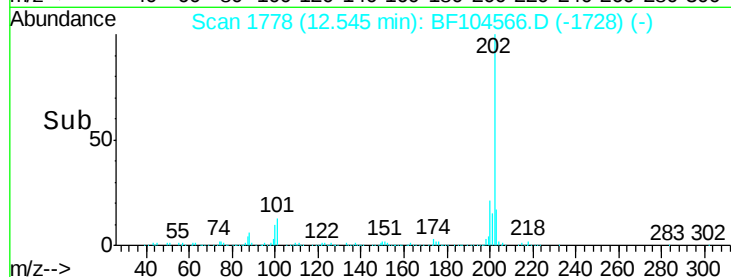
203 17.4 0.0 38.1



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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

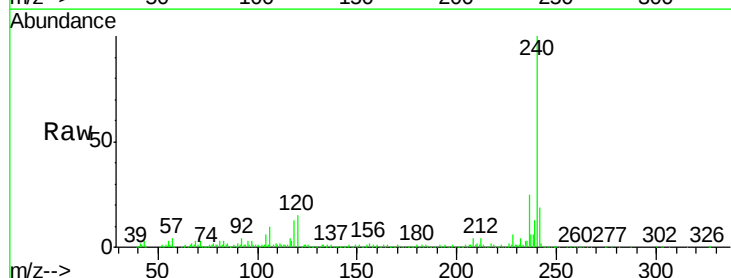
Tgt Ion:240 Resp: 314031

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

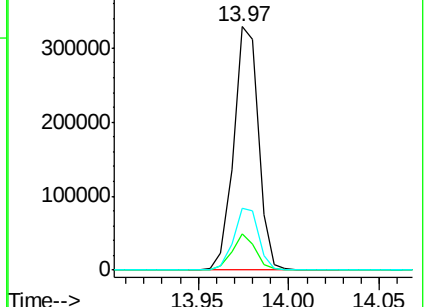
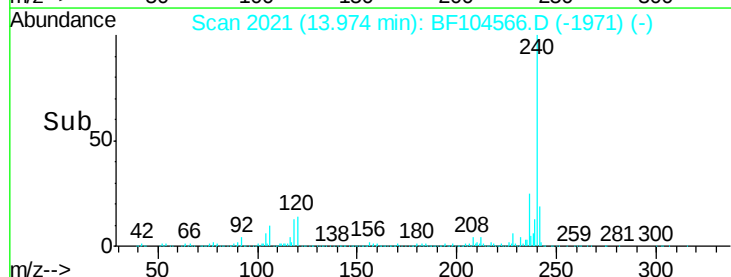
236 25.3 20.7 31.1

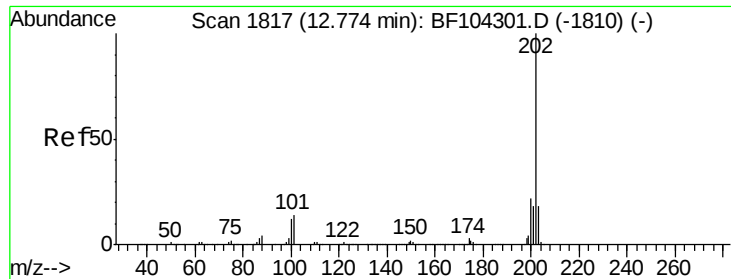


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.560 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Instrument :

BNA_F

ClientSampleId :

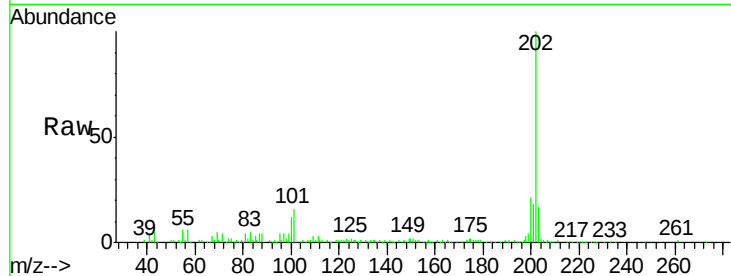
Tot Ion:202 Resp: 106139

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

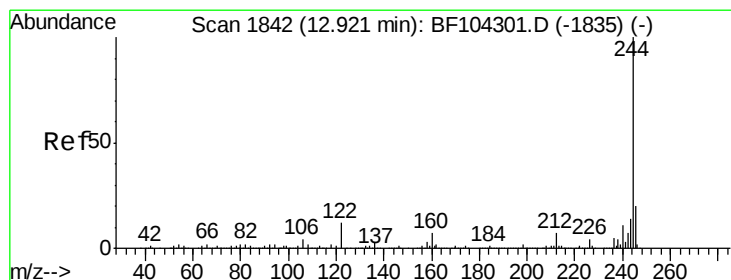
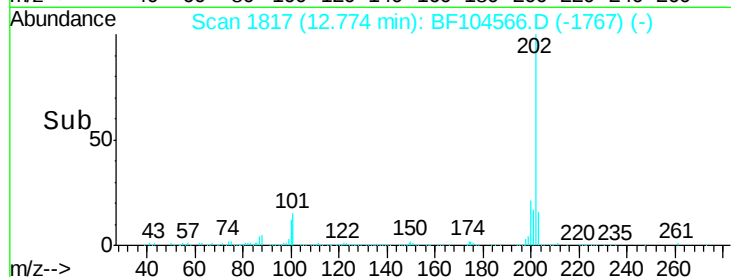
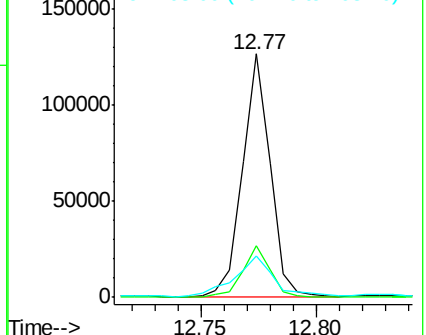
203 17.1 14.3 21.5



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: 66.477 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

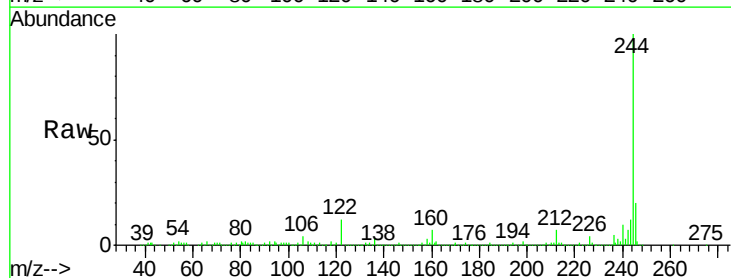
Tgt Ion:244 Resp: 915673

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

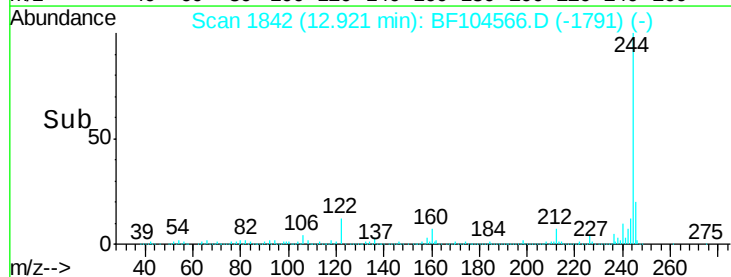
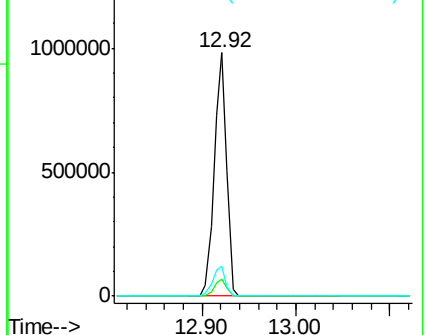
122 12.4 11.0 16.4

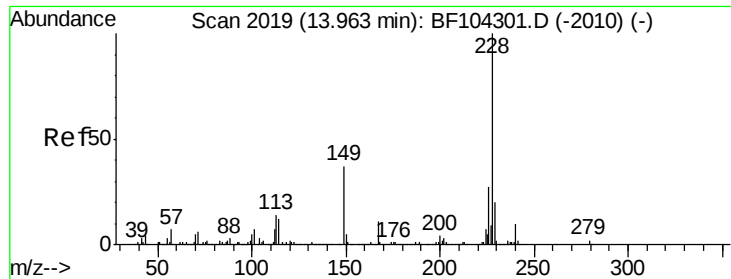


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

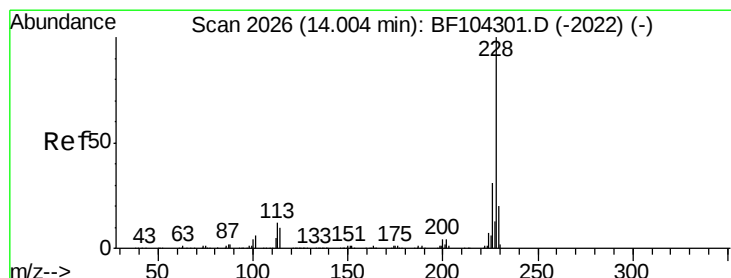
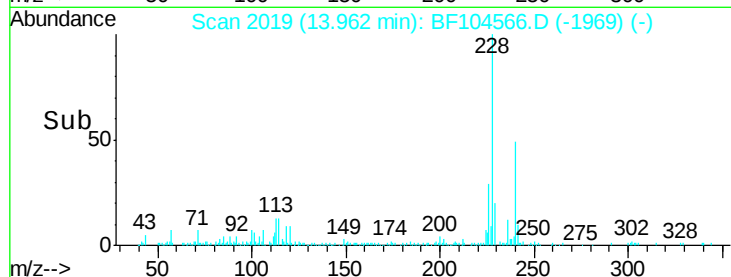
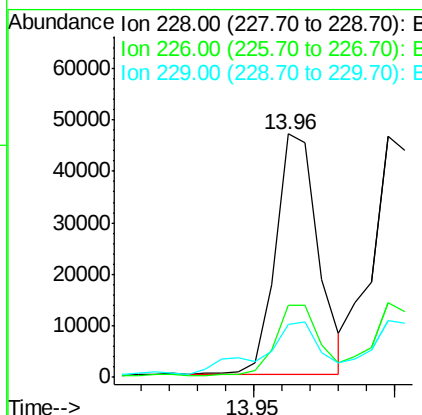
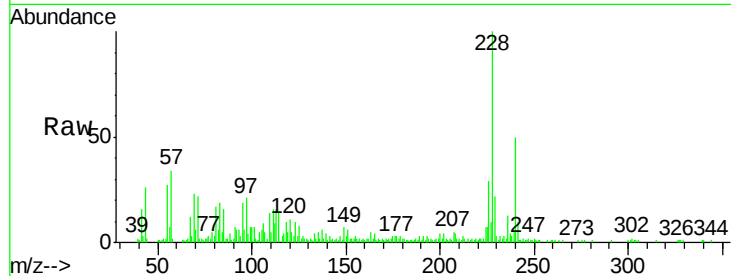




#80
Benzo(a)anthracene
Concen: 2.621 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

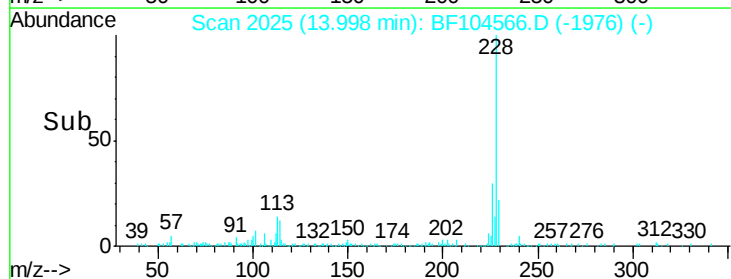
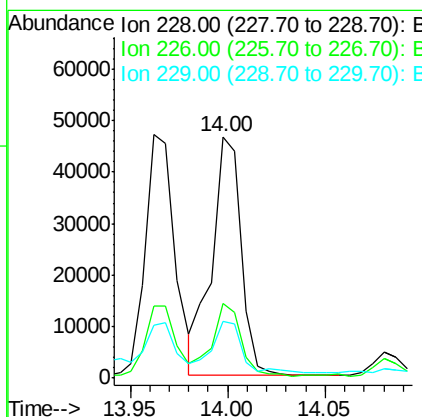
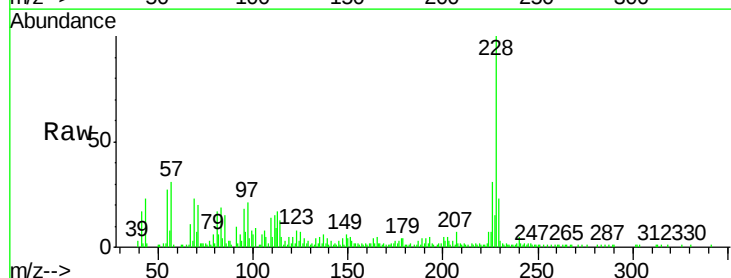
Instrument :
BNA_F
ClientSampleId :

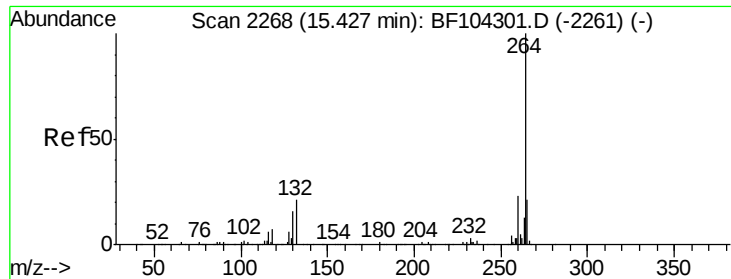
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.7	15.8	23.6



#82
Chrysene
Concen: 2.531 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104566.D
Acq: 17 Apr 2018 17:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	23.4	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Instrument :

BNA_F

ClientSampled :

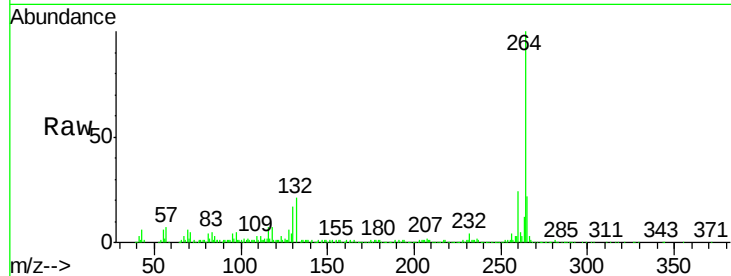
Tot Ion:264 Resp: 275983

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

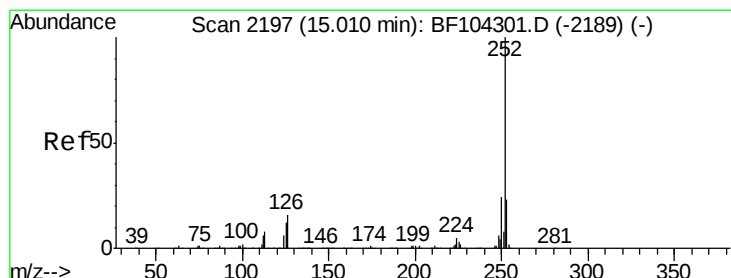
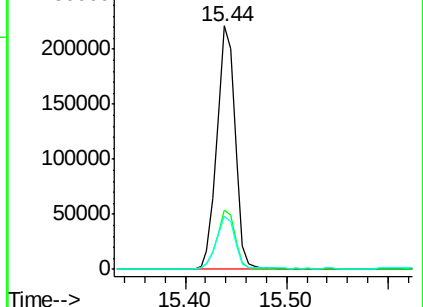
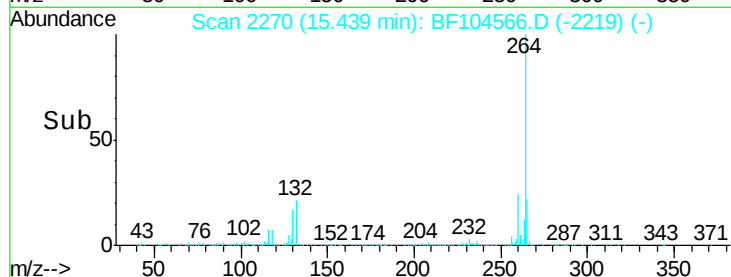
265 21.9 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 4.151 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

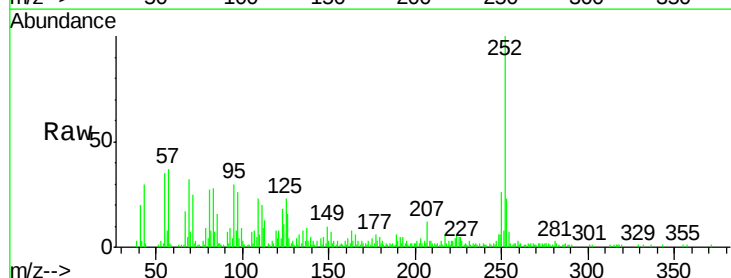
Tgt Ion:252 Resp: 72347

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

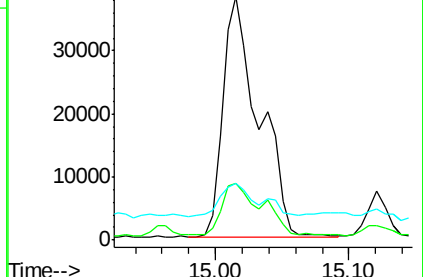
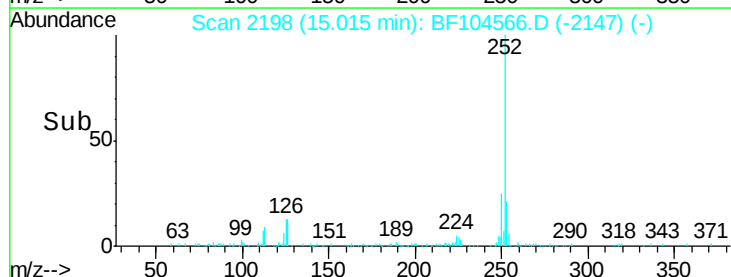
125 23.3 9.0 13.6#

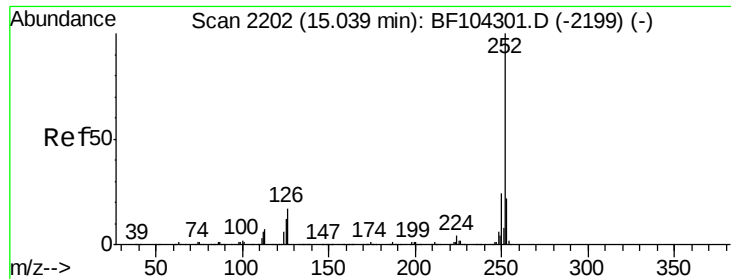


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.396 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.04 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

Instrument :

BNA_F

ClientSampled :

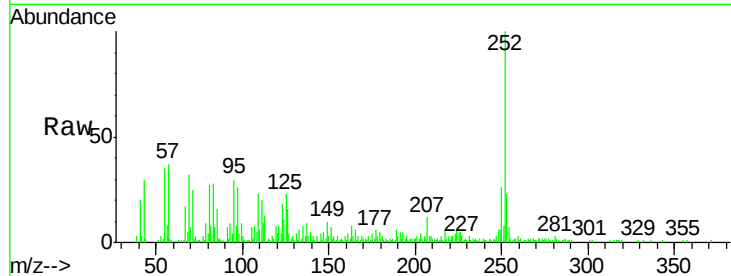
Tot Ion:252 Resp: 72347

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

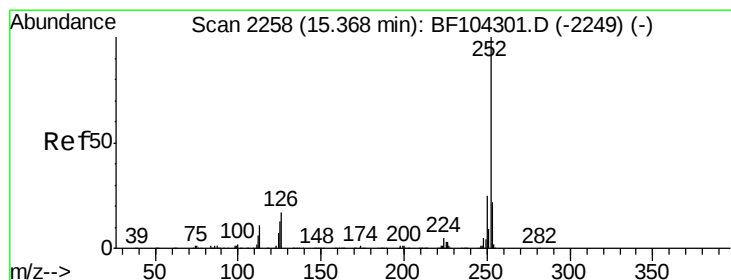
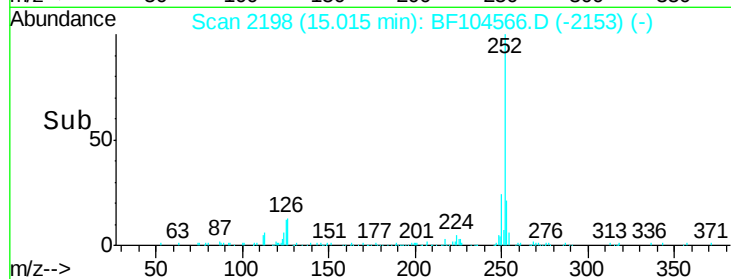
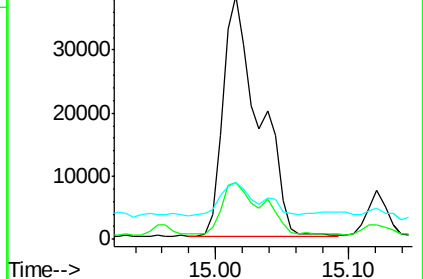
125 23.3 10.2 15.2#



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: 2.429 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF104566.D

Acq: 17 Apr 2018 17:31

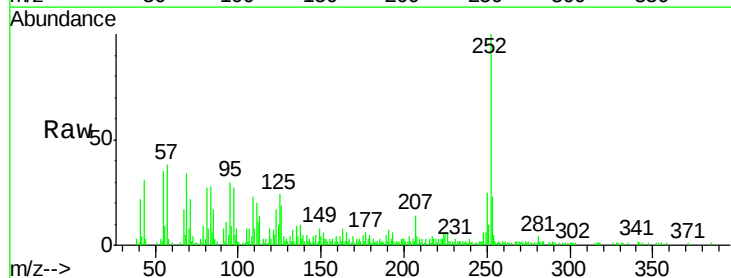
Tgt Ion:252 Resp: 37888

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

125 24.1 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

