

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101724.D
 Acq On : 26 Dec 2017 20:13
 Operator : SJ/JU
 Sample : I6677-09 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-122117-A

Quant Time: Dec 27 04:56:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

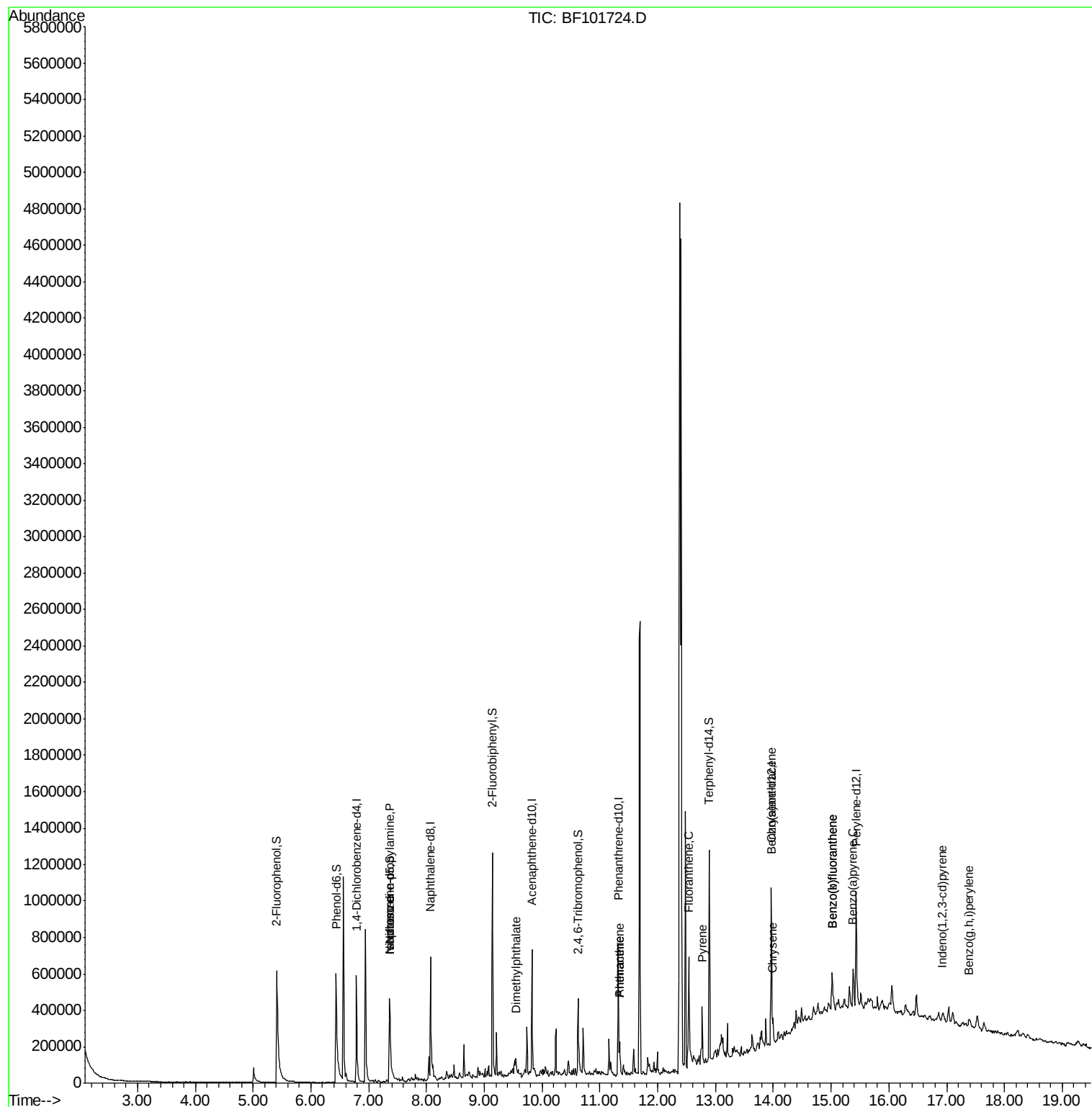
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	110492	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	386022	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	145714	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	258035	20.00	ng	0.00
75) Chrysene-d12	13.97	240	293992	20.00	ng	0.00
86) Perylene-d12	15.43	264	334972	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	367096	49.49	ng	0.00
7) Phenol-d6	6.43	99	415034	44.96	ng	0.00
23) Nitrobenzene-d5	7.36	82	256349	36.97	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	66125	47.10	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	399349	42.51	ng	0.00
78) Terphenyl-d14	12.89	244	394895	32.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	35104	5.790	ng	Qvalue # 82
25) Isophorone	7.36	82	256349	18.427	ng	# 64
49) Dimethylphthalate	9.55	163	35767	3.052	ng	# 97
70) Phenanthrene	11.34	178	77088	5.372	ng	98
71) Anthracene	11.34	178	77088	5.259	ng	98
74) Fluoranthene	12.54	202	111037	7.372	ng	99
77) Pyrene	12.77	202	122148	5.536	ng	98
80) Benzo(a)anthracene	13.96	228	66119	3.406	ng	96
82) Chrysene	14.00	228	63566	3.468	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	41837	2.563	ng	# 93
87) Benzo(b)fluoranthene	15.02	252	107059	5.244	ng	# 90
88) Benzo(k)fluoranthene	15.02	252	107059	5.393	ng	# 93
89) Benzo(a)pyrene	15.38	252	66245	3.520	ng	# 92
91) Benzo(a,h,i)perylene	17.39	276	44038	2.752	ng	93

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

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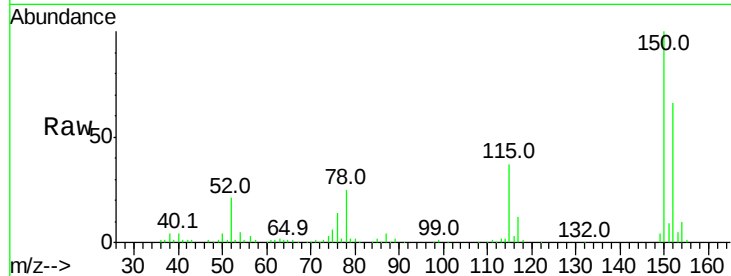


#1

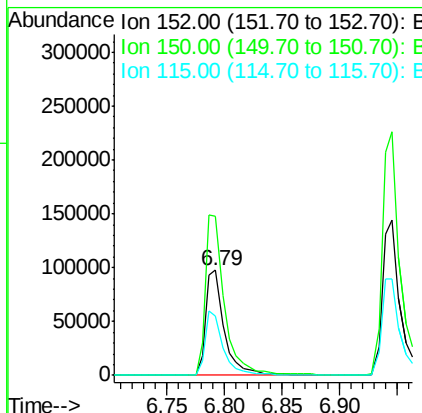
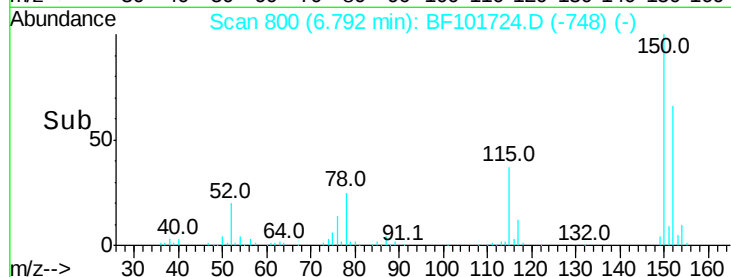
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.01 min
 Lab File: BF101724.D
 Acq: 26 Dec 2017 20:13

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-122117-A

Tot Ion:152 Resp: 110492
 Ion Ratio Lower Upper
 152 100
 150 151.6 124.6 186.8
 115 56.7 50.1 75.1



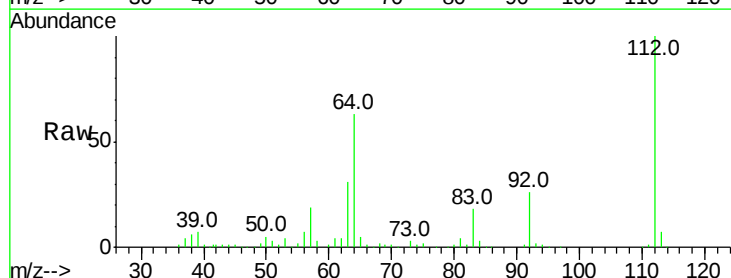
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



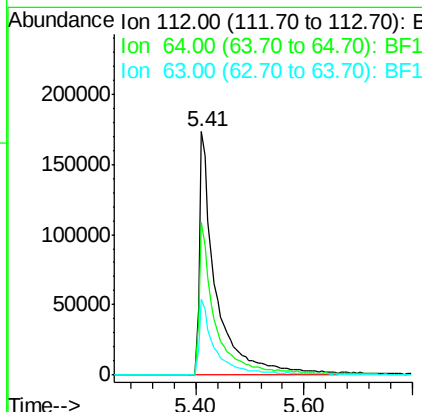
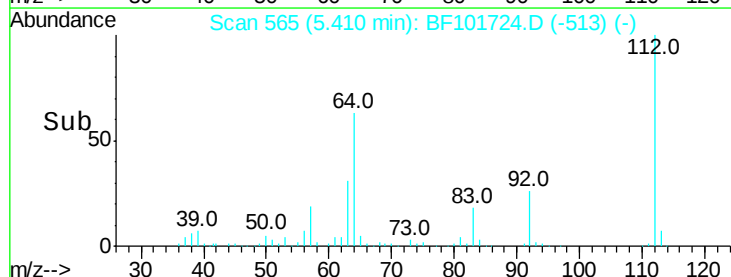
#5

2-Fluorophenol
 Concen: 49.489 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF101724.D
 Acq: 26 Dec 2017 20:13

Tgt Ion:112 Resp: 367096
 Ion Ratio Lower Upper
 112 100
 64 62.5 47.9 71.9
 63 31.1 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: 44.958 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

Instrument :

BNA_F

ClientSampleId :

OR-02-122117-A

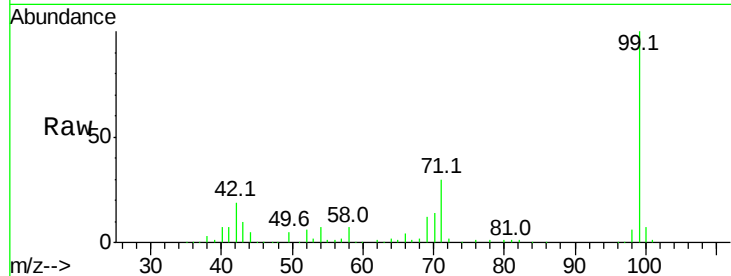
Tot Ion: 99 Resp: 415034

Ion Ratio Lower Upper

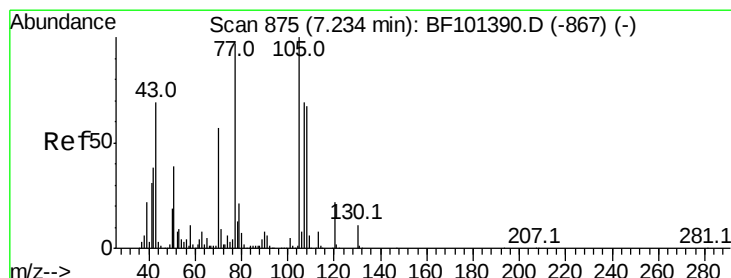
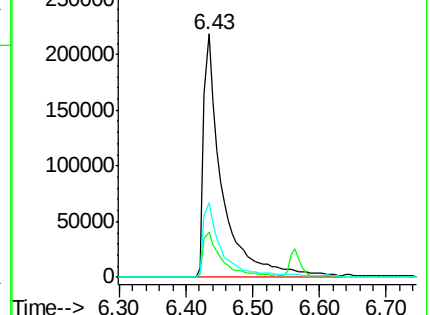
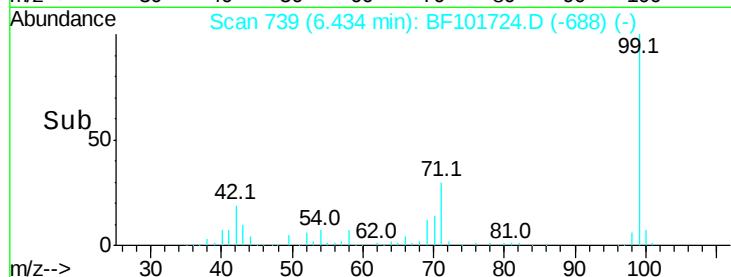
99 100

42 18.6 14.5 21.7

71 30.4 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: 5.790 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.16 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

Tgt Ion: 70 Resp: 35104

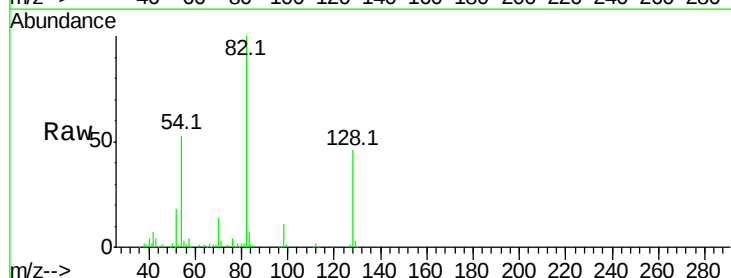
Ion Ratio Lower Upper

70 100

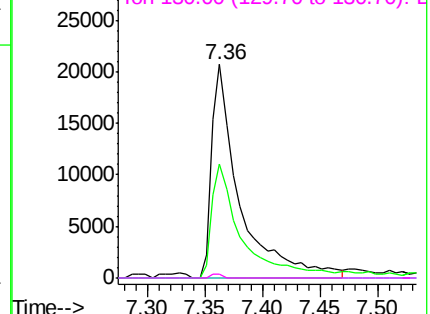
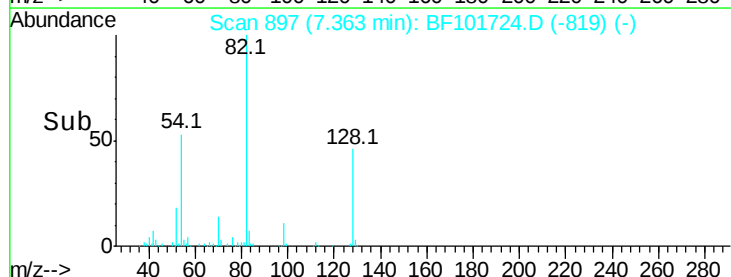
42 53.2 47.5 71.3

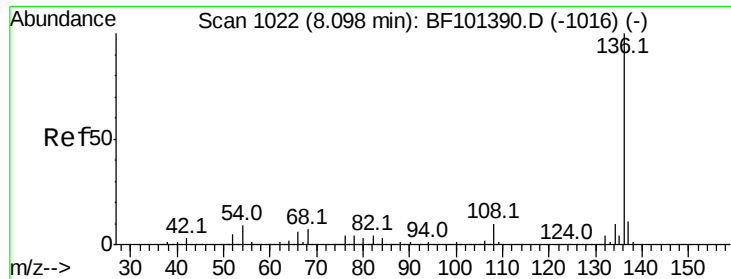
101 0.0 7.4 11.2#

130 1.8 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: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

Instrument :

BNA_F

ClientSampleId :

OR-02-122117-A

Tot Ion:136 Resp: 386022

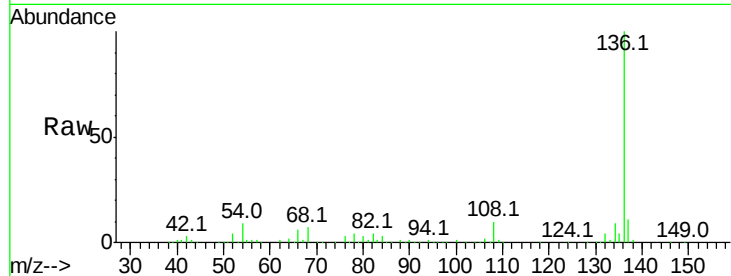
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.4 6.6 9.8

68 6.9 5.0 7.4

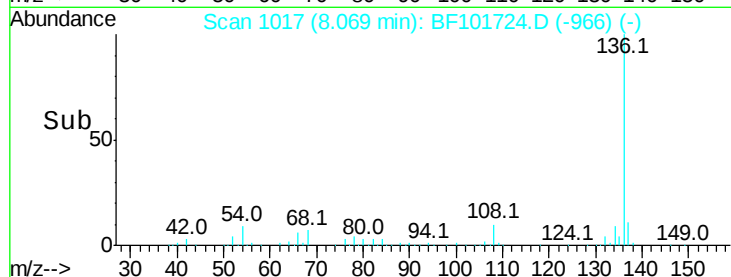


Abundance Ion 136.00 (135.70 to 136.70): E

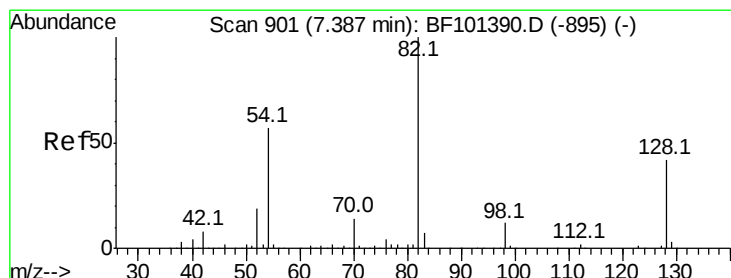
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 36.966 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.00 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

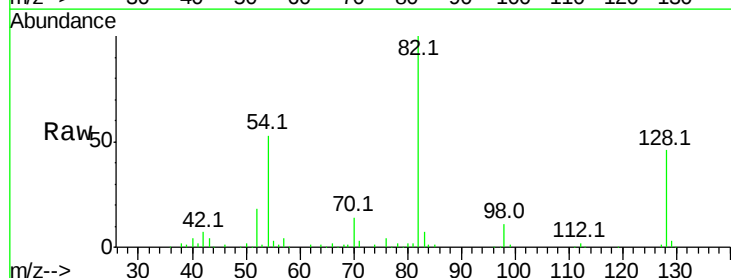
Tgt Ion: 82 Resp: 256349

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

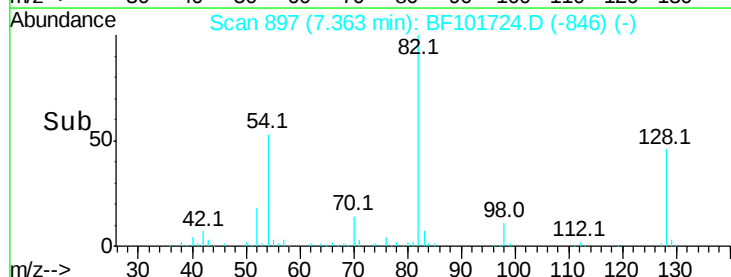
54 53.2 41.4 62.2



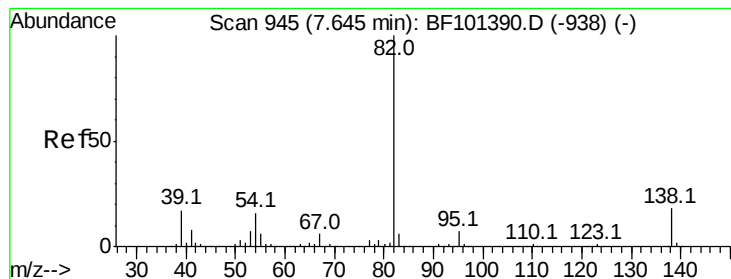
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 18.427 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

Instrument :

BNA_F

ClientSampleId :

OR-02-122117-A

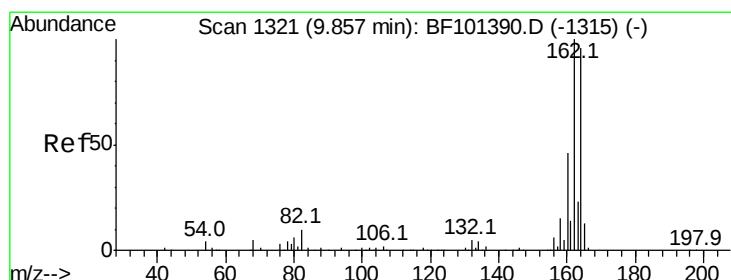
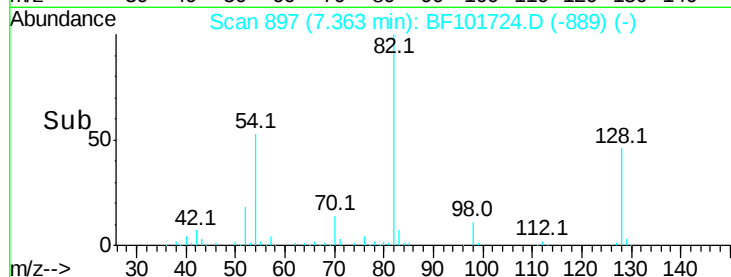
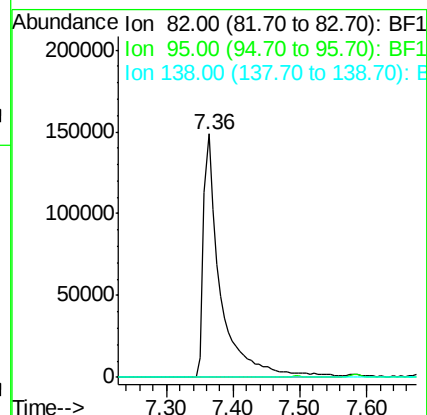
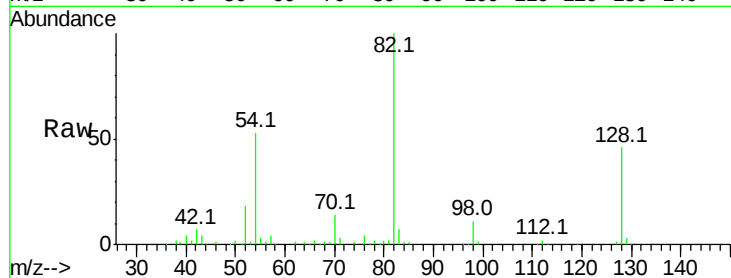
Tot Ion: 82 Resp: 256349

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

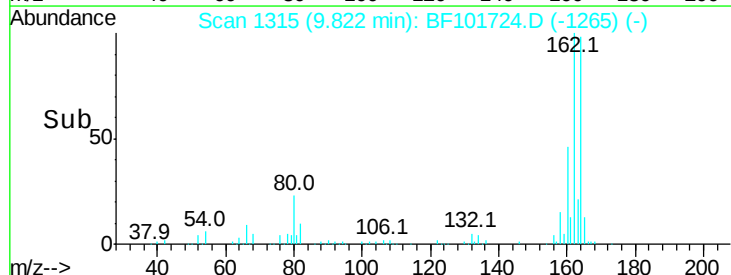
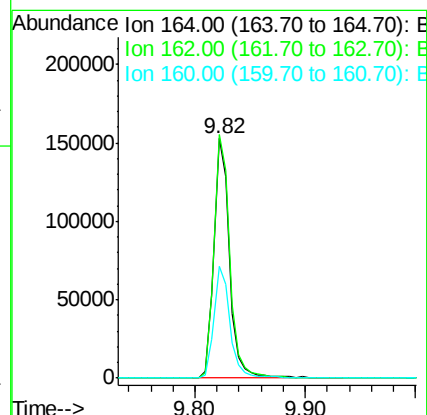
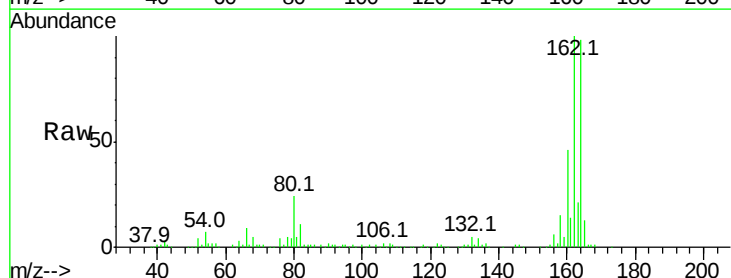
Tgt Ion:164 Resp: 145714

Ion Ratio Lower Upper

164 100

162 101.6 86.1 129.1

160 46.5 38.3 57.5

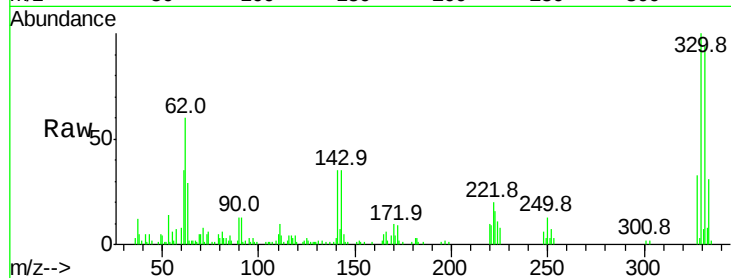




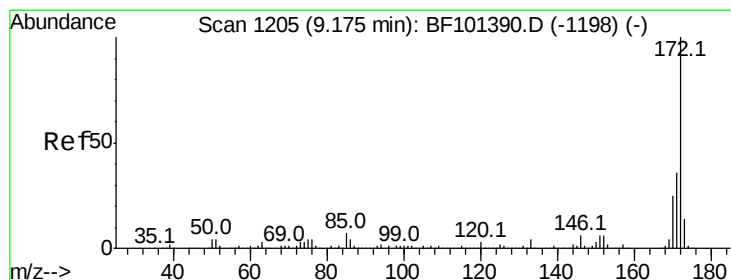
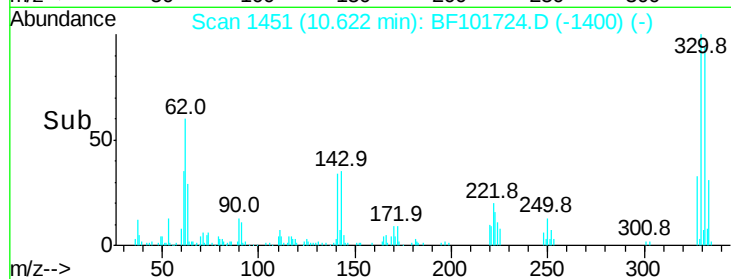
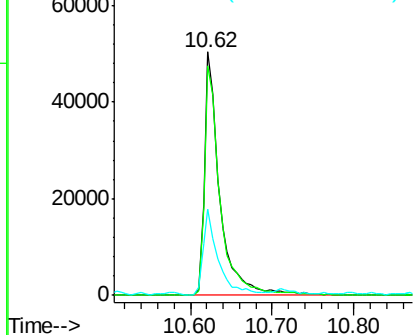
#41
 2,4,6-Tribromophenol
 Concen: 47.095 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101724.D
 Acq: 26 Dec 2017 20:13

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-122117-A

Tot Ion:330 Resp: 66125
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 34.8 29.9 44.9

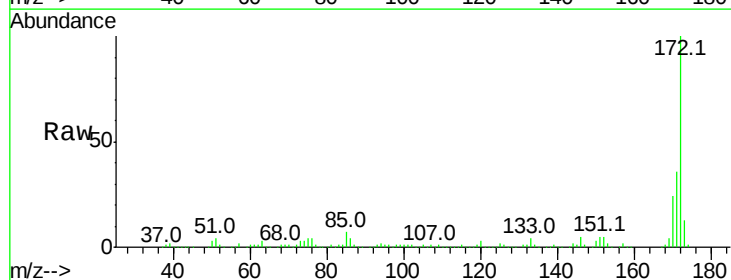


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

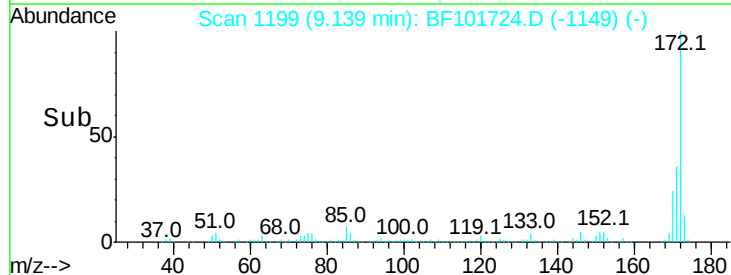
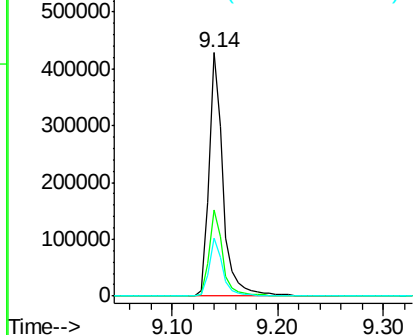


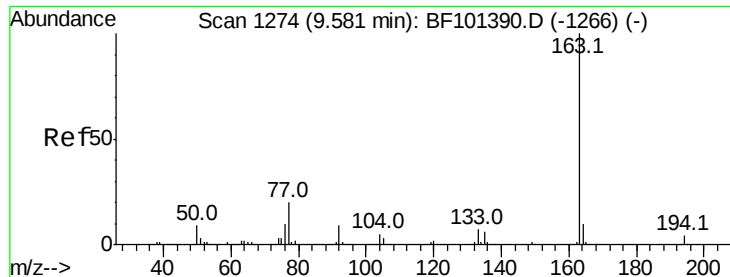
#44
 2-Fluorobiphenyl
 Concen: 42.514 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101724.D
 Acq: 26 Dec 2017 20:13

Tgt Ion:172 Resp: 399349
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.9 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: 3.052 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

Instrument :

BNA_F

ClientSampleId :

OR-02-122117-A

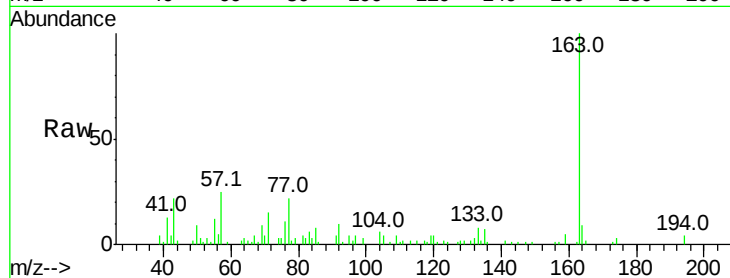
Tot Ion:163 Resp: 35767

Ion Ratio Lower Upper

163 100

194 4.5 2.7 4.1#

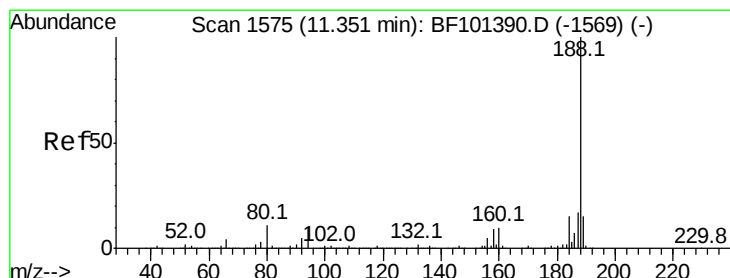
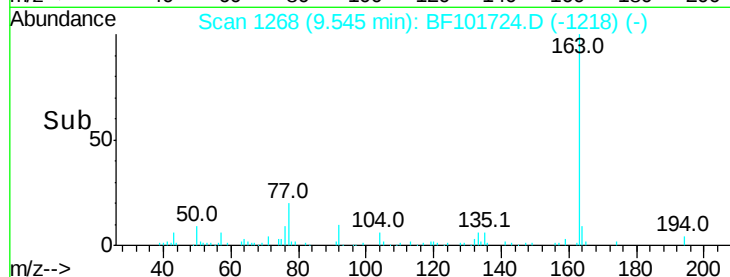
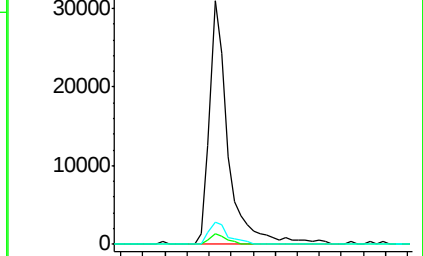
164 9.2 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

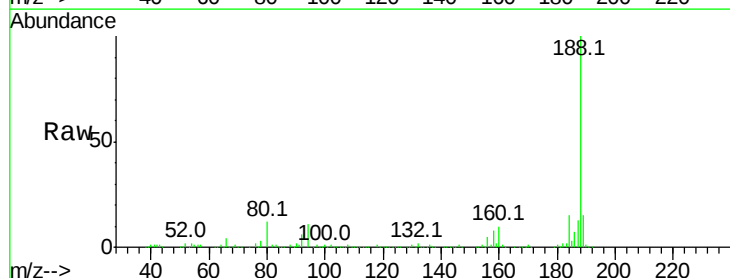
Tgt Ion:188 Resp: 258035

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

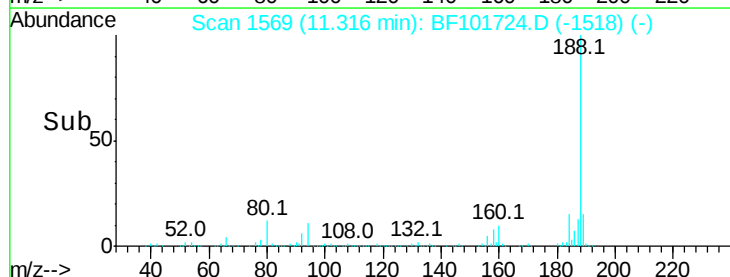
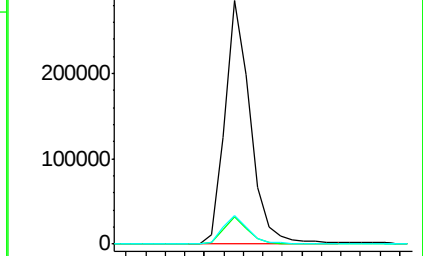
80 12.0 9.2 13.8

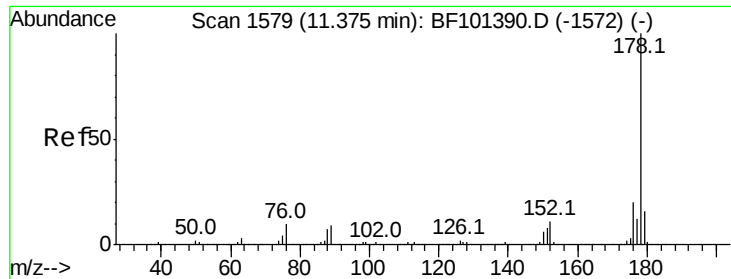


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

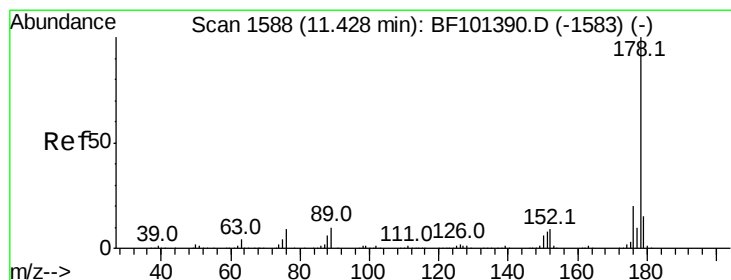
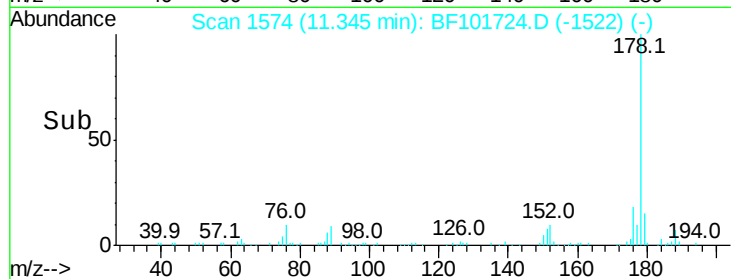
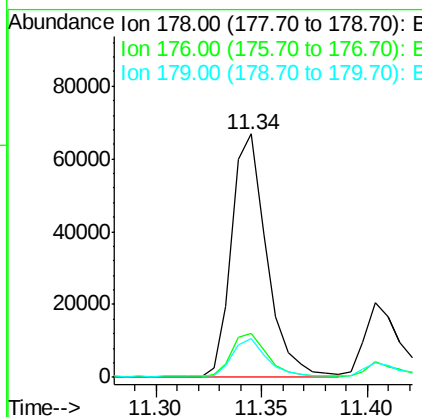
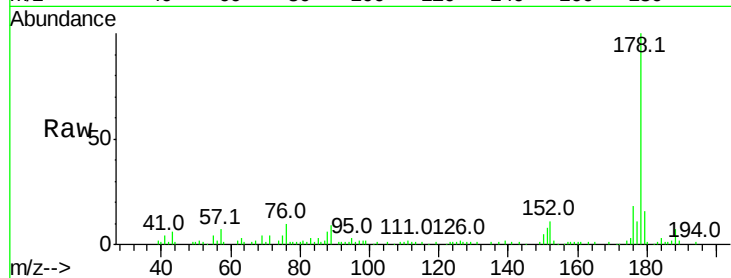




#70
Phenanthrene
Concen: 5.372 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101724.D
Acq: 26 Dec 2017 20:13

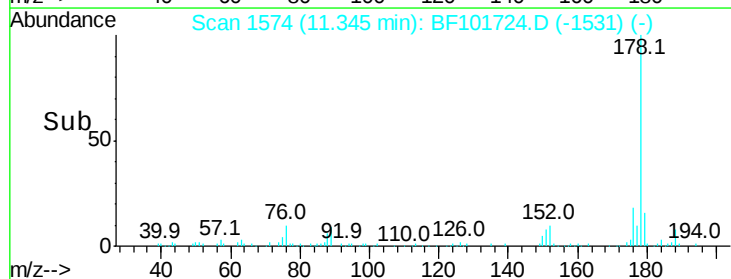
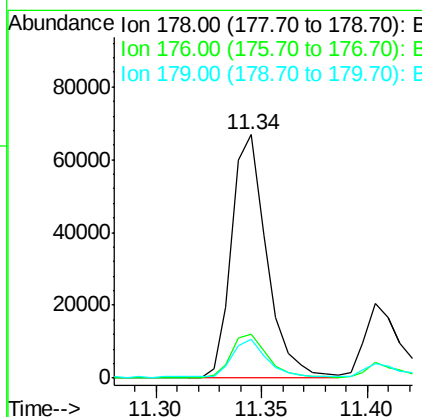
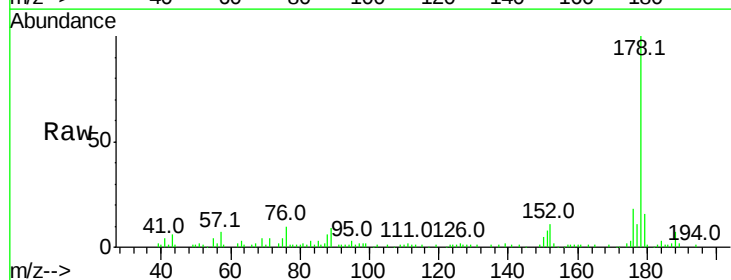
Instrument :
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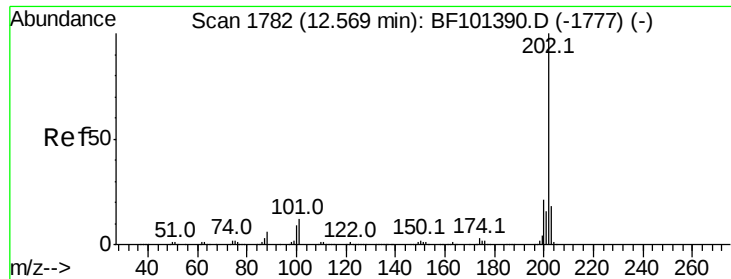
Tot Ion:178 Resp: 77088
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.8
179 15.9 13.0 19.6



#71
Anthracene
Concen: 5.259 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.05 min
Lab File: BF101724.D
Acq: 26 Dec 2017 20:13

Tgt Ion:178 Resp: 77088
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 15.9 12.6 19.0





#74

Fluoranthene

Concen: 7.372 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

Instrument :

BNA_F

ClientSampleId :

OR-02-122117-A

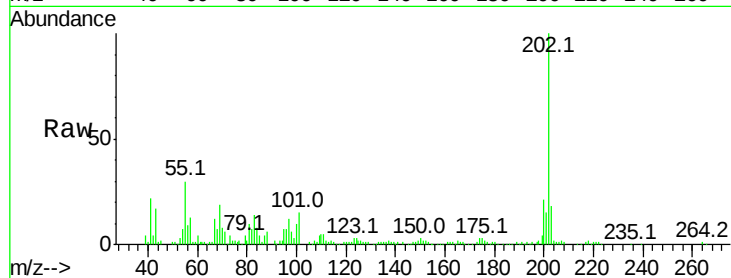
Tot Ion:202 Resp: 111037

Ion Ratio Lower Upper

202 100

101 14.7 0.0 34.1

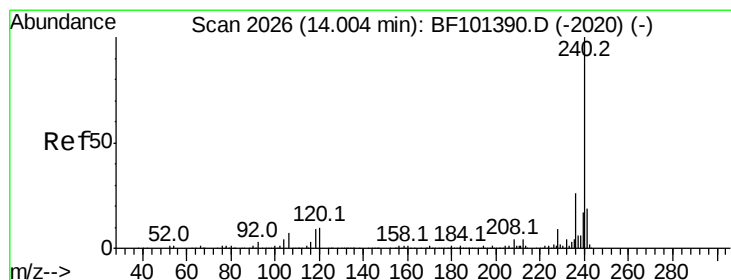
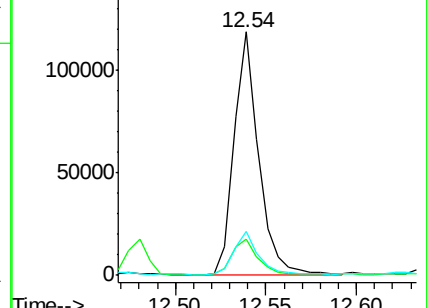
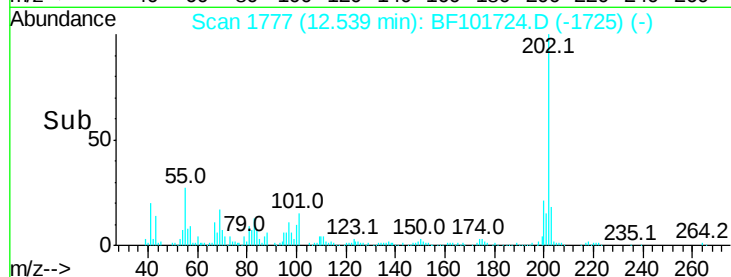
203 18.3 0.0 38.1



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# 2020

Delta R.T. -0.00 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

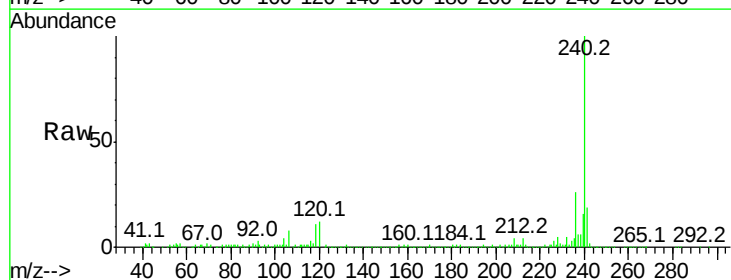
Tgt Ion:240 Resp: 293992

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

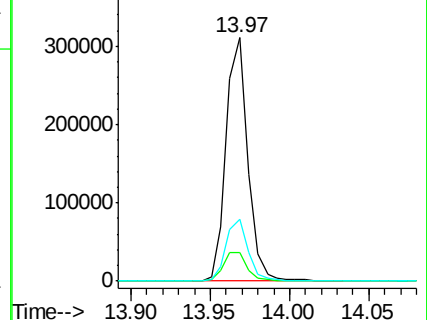
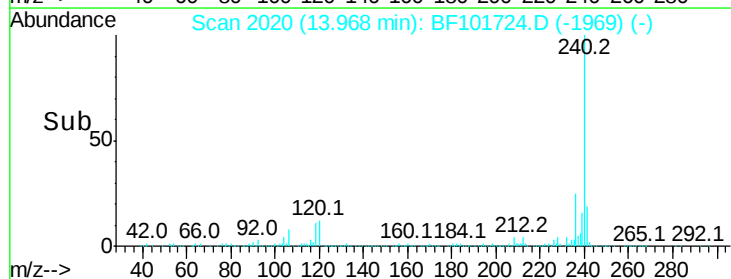
236 25.5 20.7 31.1

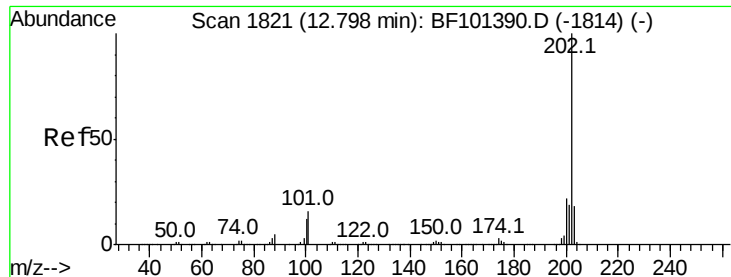


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

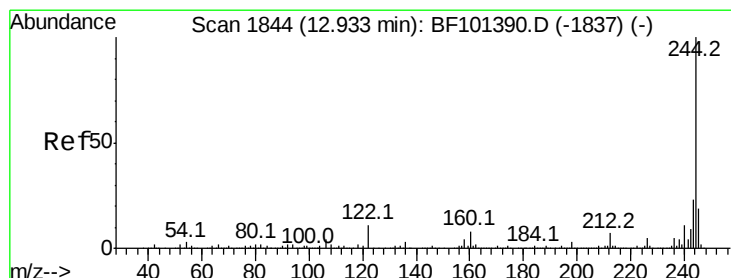
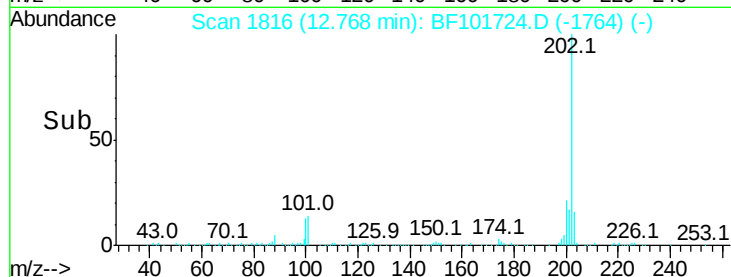
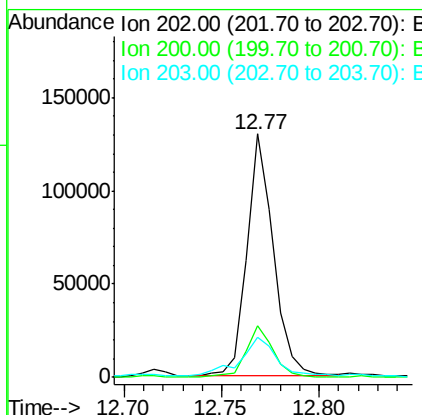
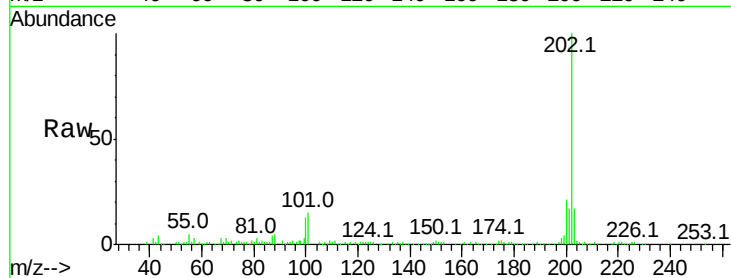




#77
Pvrene
Concen: 5.536 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF101724.D
Acq: 26 Dec 2017 20:13

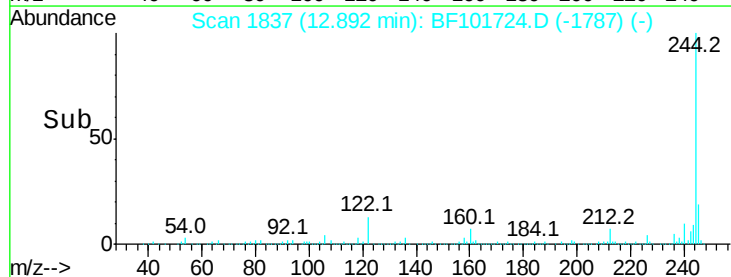
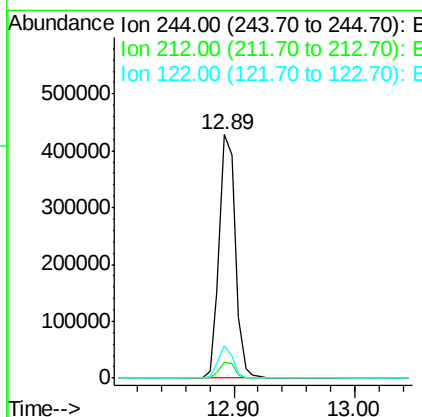
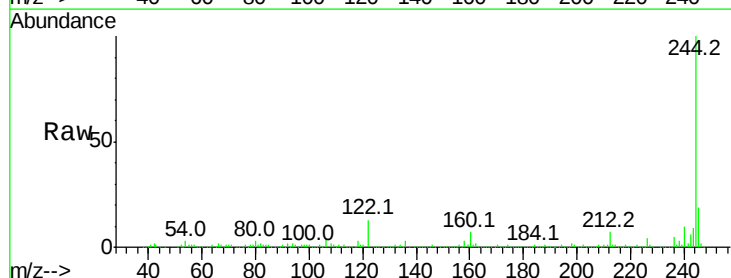
Instrument :
BNA_F
ClientSampleId :
OR-02-122117-A

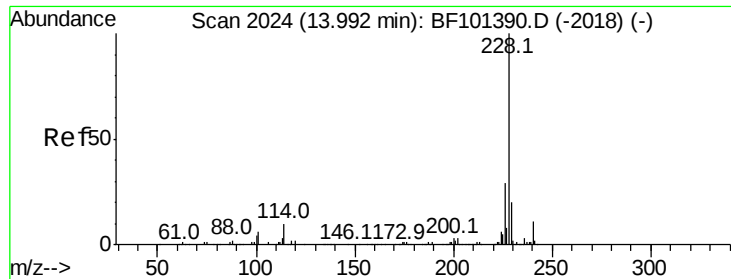
Tot Ion:202 Resp: 122148
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 16.5 14.3 21.5



#78
Terphenyl-d14
Concen: 32.382 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF101724.D
Acq: 26 Dec 2017 20:13

Tgt Ion:244 Resp: 394895
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 13.2 11.0 16.4





#80

Benzo(a)anthracene

Concen: 3.406 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

Instrument :

BNA_F

ClientSampleId :

OR-02-122117-A

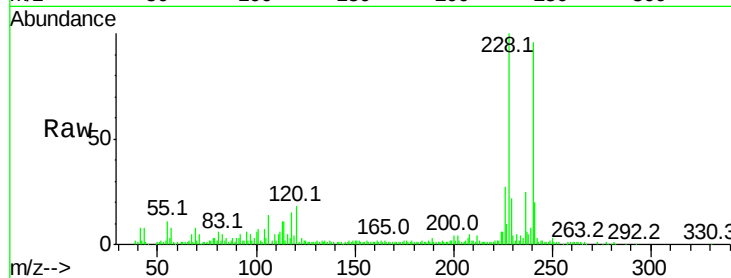
Tot Ion:228 Resp: 66119

Ion Ratio Lower Upper

228 100

226 26.7 22.6 33.8

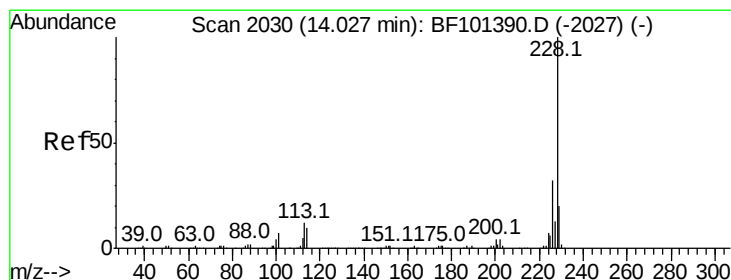
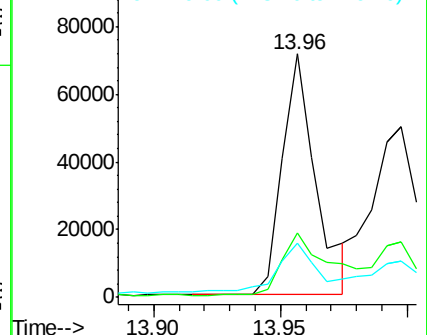
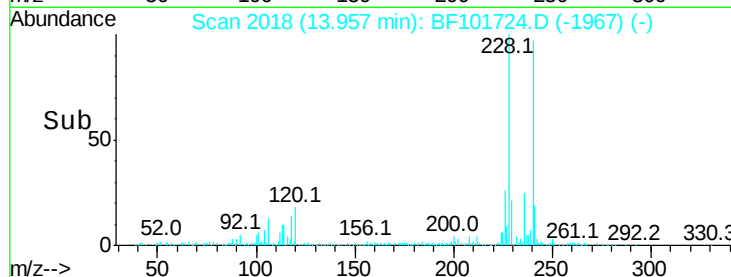
229 22.5 15.8 23.6



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: 3.468 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

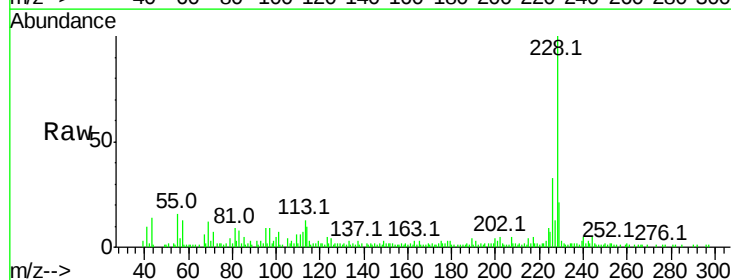
Tgt Ion:228 Resp: 63566

Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.6

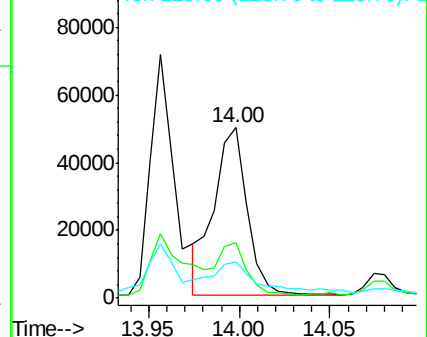
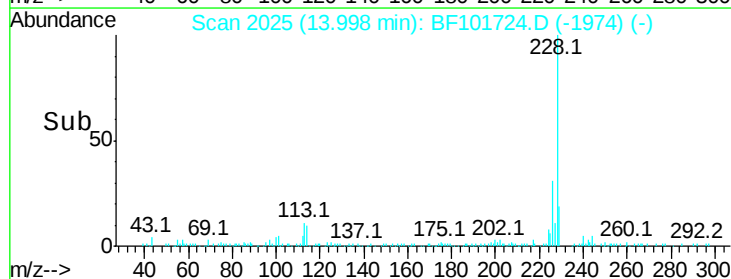
229 21.3 16.2 24.4

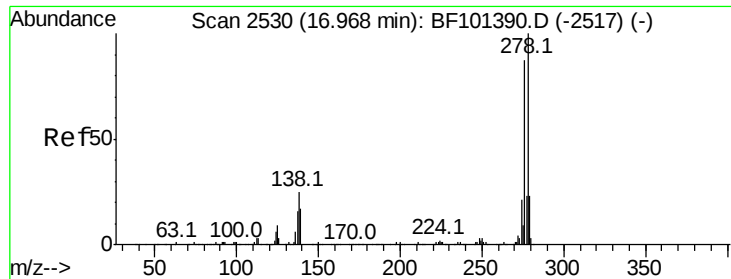


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

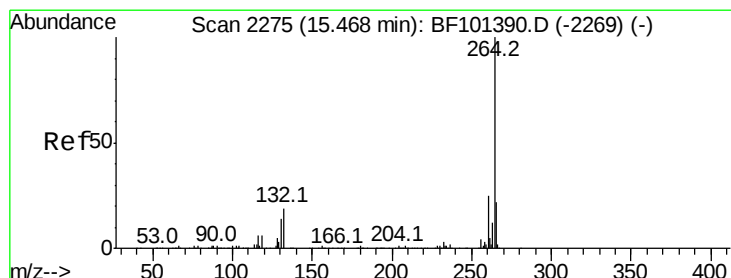
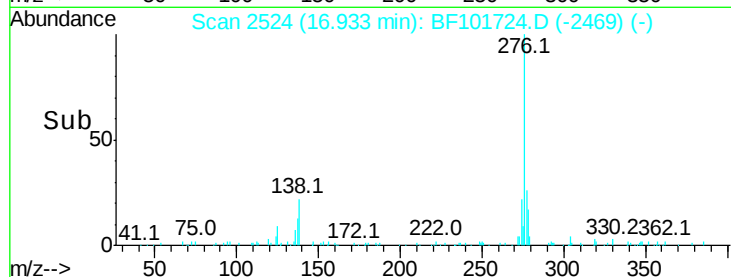
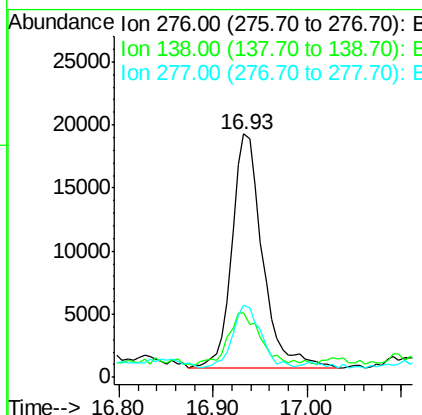
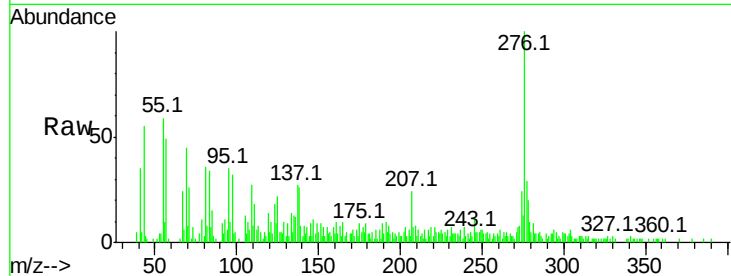




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.563 ng
 RT: 16.93 min Scan# 2524
 Delta R.T. 0.02 min
 Lab File: BF101724.D
 Acq: 26 Dec 2017 20:13

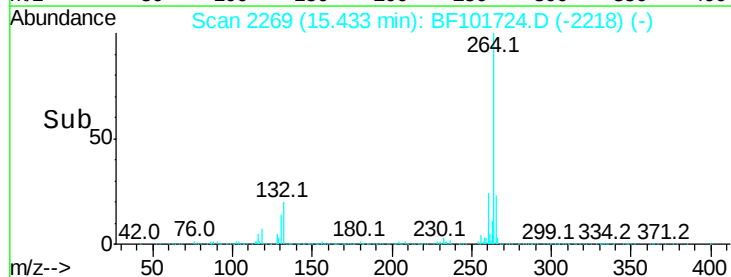
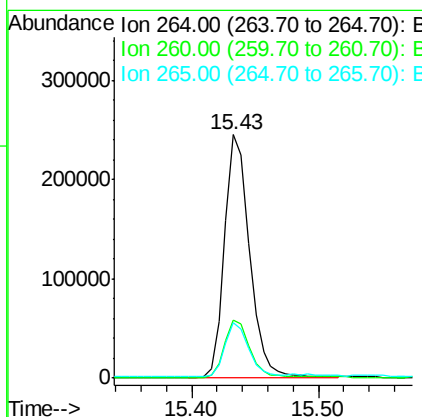
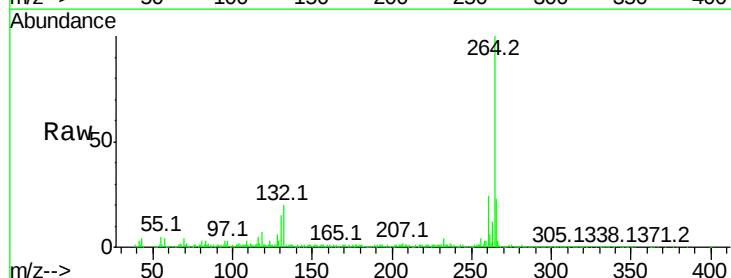
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-122117-A

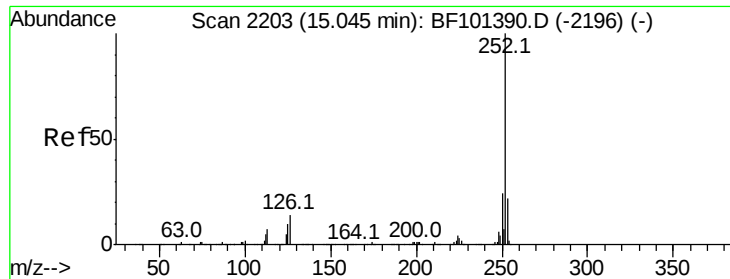
Tot Ion:276 Resp: 41837
 Ion Ratio Lower Upper
 276 100
 138 24.4 25.0 37.6#
 277 24.7 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: BF101724.D
 Acq: 26 Dec 2017 20:13

Tgt Ion:264 Resp: 334972
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 22.9 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 5.244 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

Instrument :

BNA_F

ClientSampleId :

OR-02-122117-A

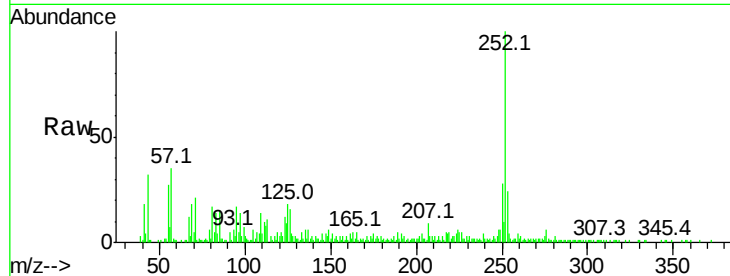
Tot Ion:252 Resp: 107059

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

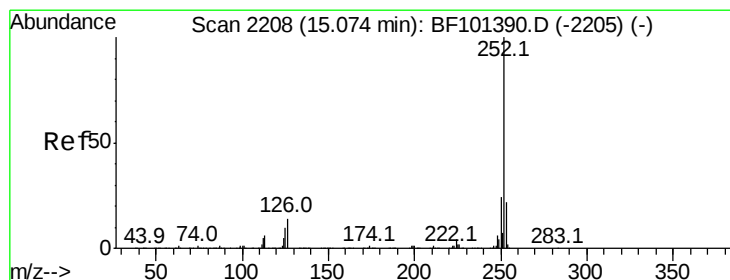
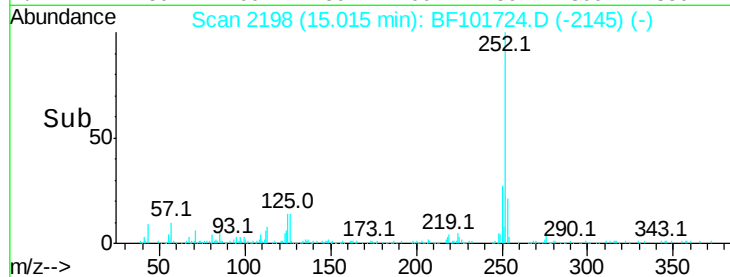
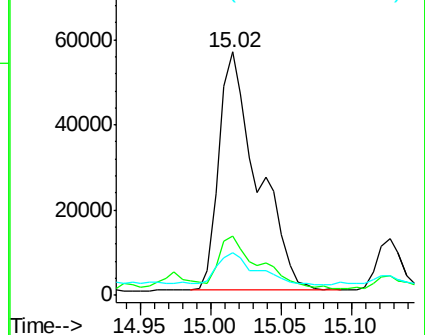
125 17.6 9.0 13.6#



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: 5.393 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF101724.D

Acq: 26 Dec 2017 20:13

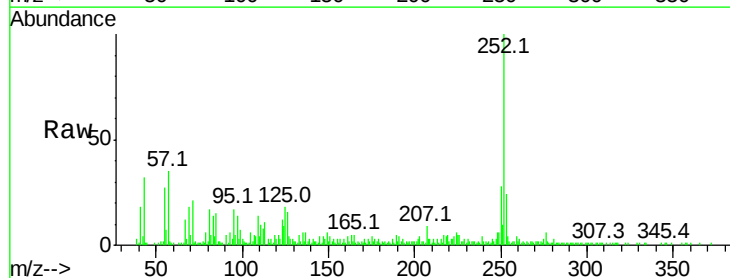
Tgt Ion:252 Resp: 107059

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

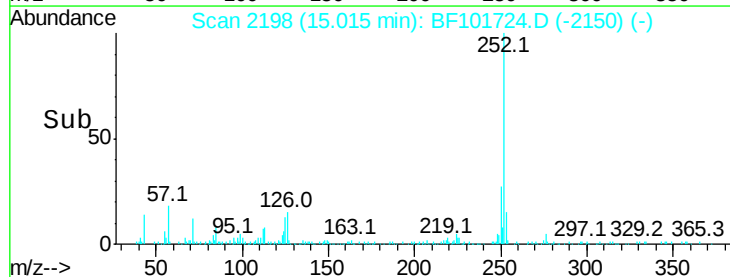
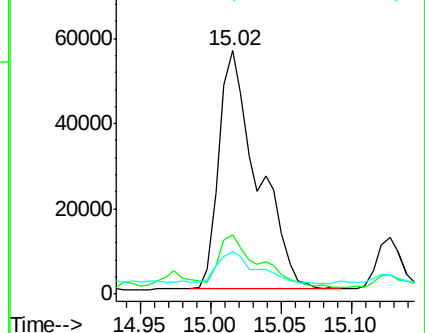
125 17.6 10.2 15.2#

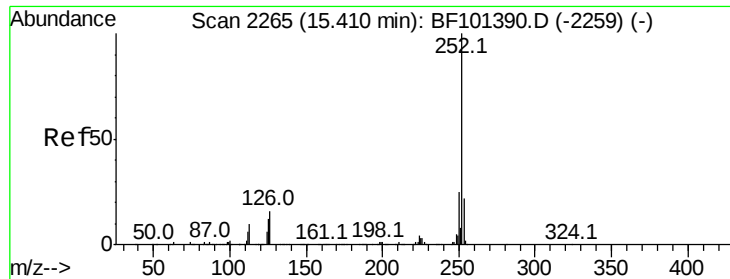


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

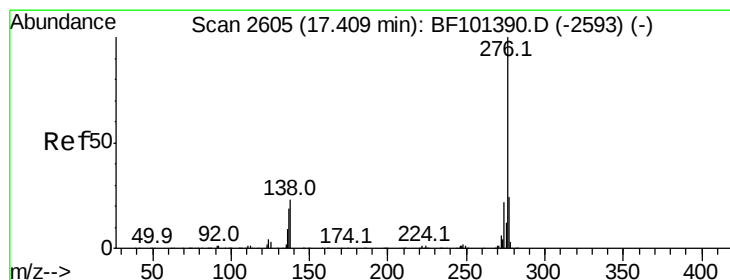
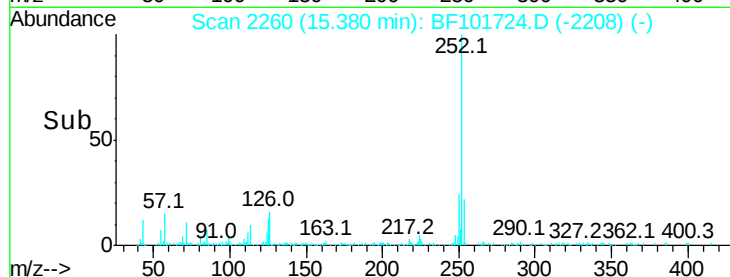
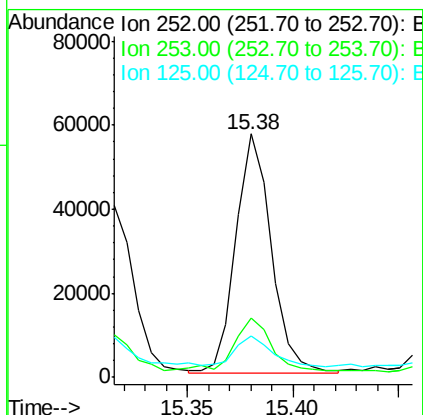
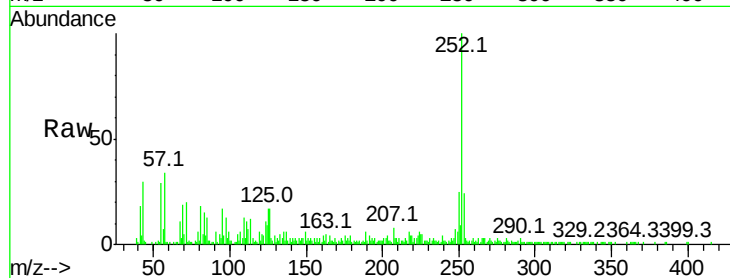




#89
Benzo(a)pyrene
Concen: 3.520 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101724.D
Acq: 26 Dec 2017 20:13

Instrument :
BNA_F
ClientSampleId :
OR-02-122117-A

Tot Ion:252 Resp: 66245
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 16.9 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.752 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.04 min
Lab File: BF101724.D
Acq: 26 Dec 2017 20:13

Tgt Ion:276 Resp: 44038
Ion Ratio Lower Upper
276 100
277 26.4 17.9 26.9
138 24.2 21.8 32.8

