

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101527.D
 Acq On : 19 Dec 2017 17:27
 Operator : SJ/JU
 Sample : I6940-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB16206-VB16211

Quant Time: Dec 20 06:56:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

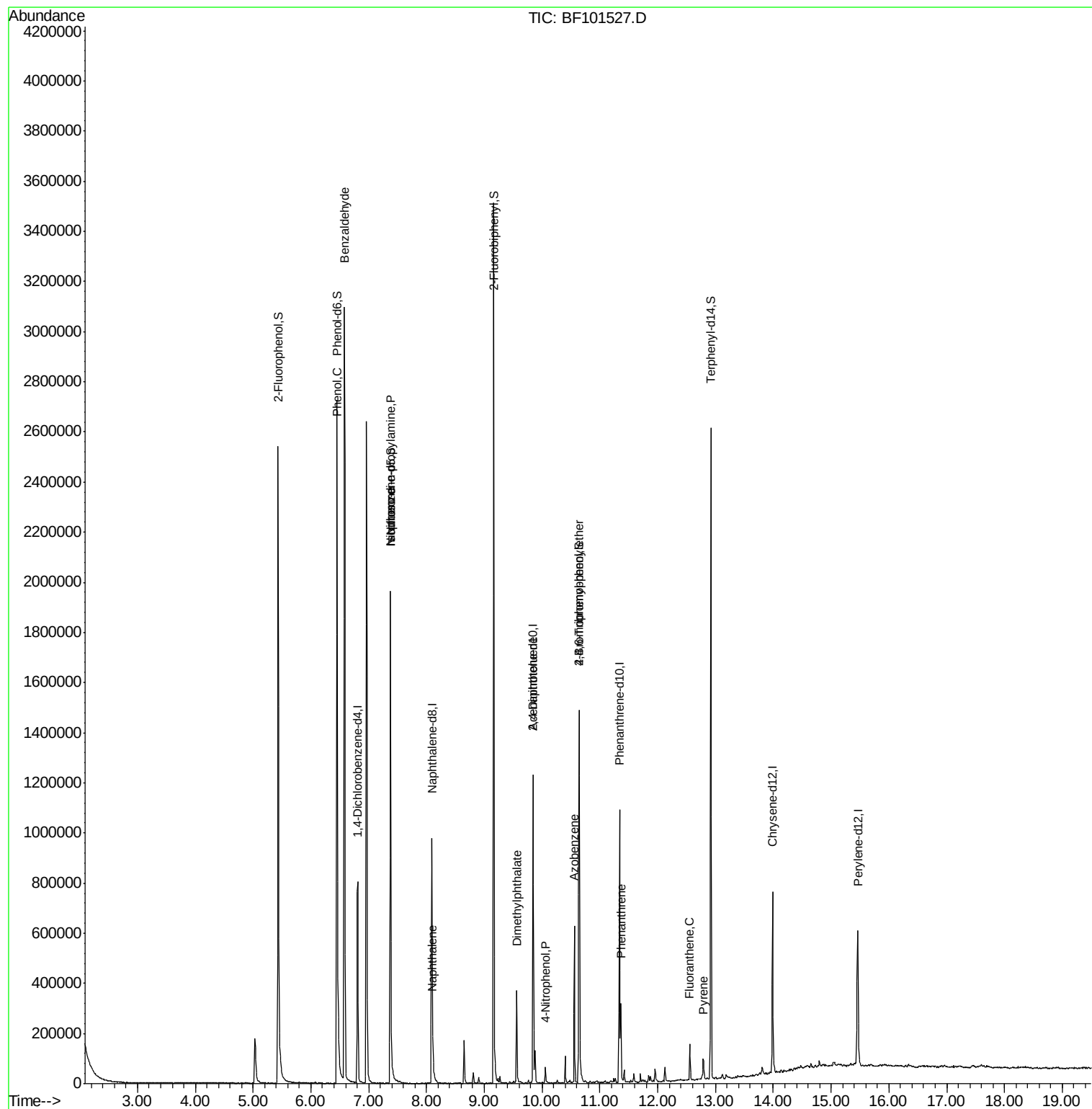
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	133382	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	535364	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	235287	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	416108	20.00	ng	0.00
75) Chrysene-d12	13.99	240	253105	20.00	ng	0.00
86) Perylene-d12	15.46	264	301509	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	857625	95.78	ng	0.01
7) Phenol-d6	6.45	99	1169377	104.93	ng	0.00
23) Nitrobenzene-d5	7.38	82	750322	78.02	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	209318	92.33	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1214055	80.04	ng	0.00
78) Terphenyl-d14	12.92	244	920505	87.68	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.58	77	18746	2.278	ng	81
10) Phenol	6.46	94	94337	7.427	ng	93
19) n-Nitroso-di-n-propylamine	7.38	70	98477	13.456	ng	# 80
25) Isophorone	7.38	82	750374	38.893	ng	# 64
31) Naphthalene	8.11	128	60875	2.259	ng	98
49) Dimethylphthalate	9.56	163	168394	8.898	ng	99
55) 4-Nitrophenol	10.06	139	11131	5.323	ng	# 9
56) 2,4-Dinitrotoluene	9.85	165	29438	6.793	ng	# 23
62) Azobenzene	10.56	77	104509	5.383	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	12688	2.714	ng	# 1
70) Phenanthrene	11.36	178	120430	5.204	ng	97
74) Fluoranthene	12.56	202	59093	2.433	ng	98
77) Pyrene	12.79	202	38755	2.040	ng	95

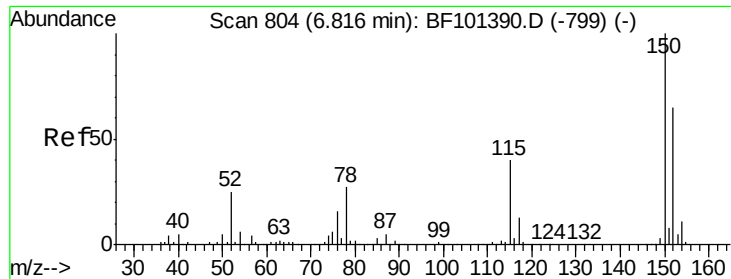
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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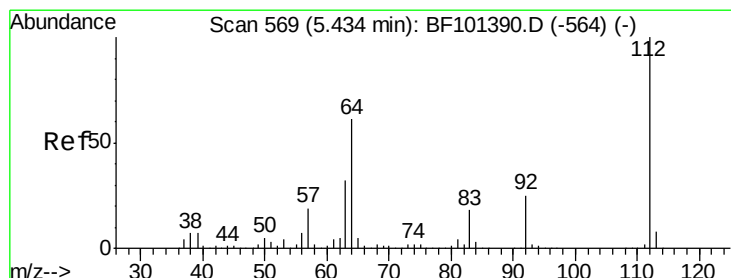
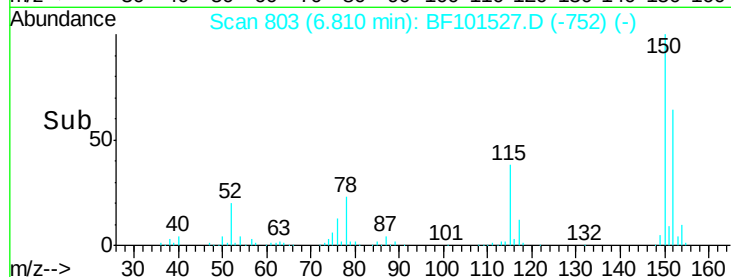
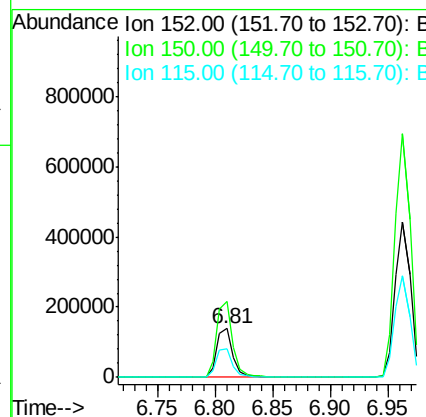
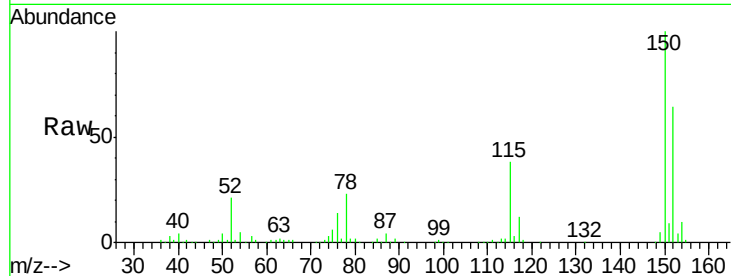


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF101527.D
Acq: 19 Dec 2017 17:27

Instrument :
BNA_F
ClientSampleId :
VB16206-VB16211

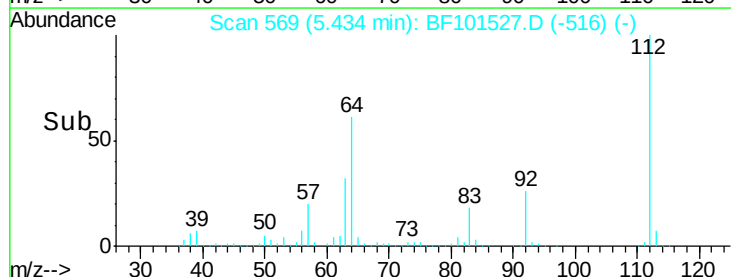
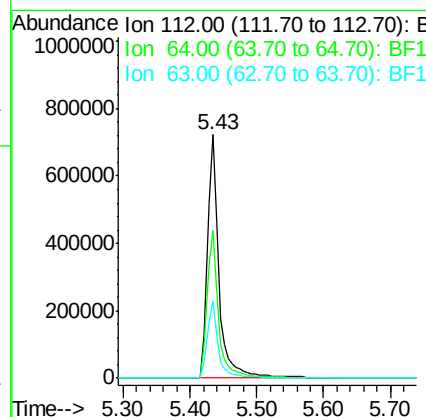
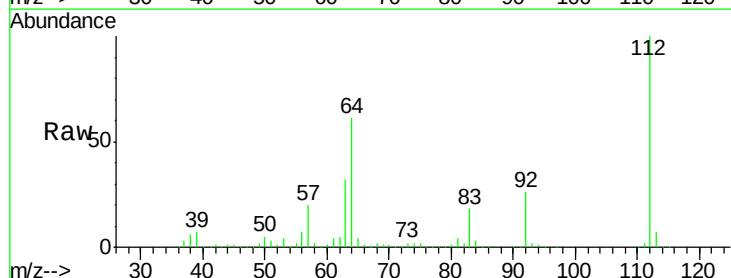
Tot Ion:152 Resp: 133382
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 58.7 50.1 75.1

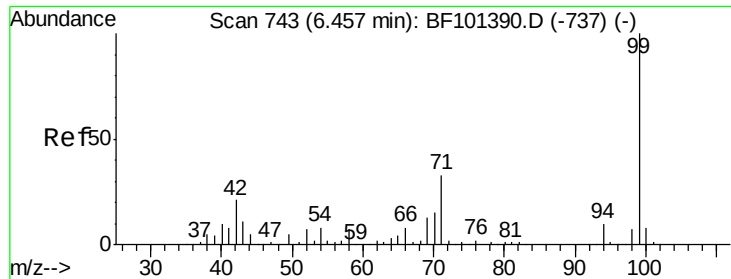


#5

2-Fluorophenol
Concen: 95.778 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101527.D
Acq: 19 Dec 2017 17:27

Tgt Ion:112 Resp: 857625
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 31.6 23.7 35.5





#7

Phenol-d6

Concen: 104.933 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

Instrument :

BNA_F

ClientSampleId :

VB16206-VB16211

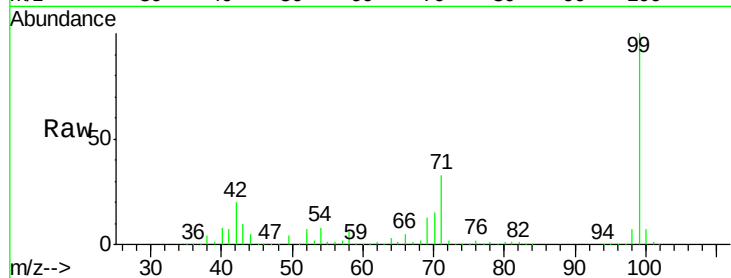
Tot Ion: 99 Resp: 1169377

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

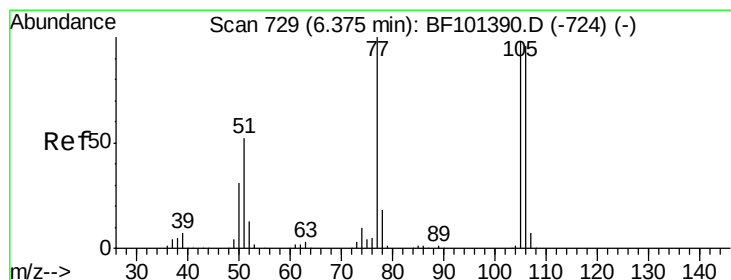
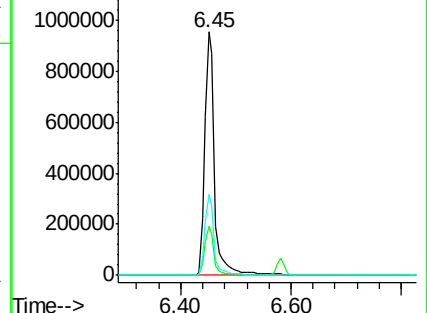
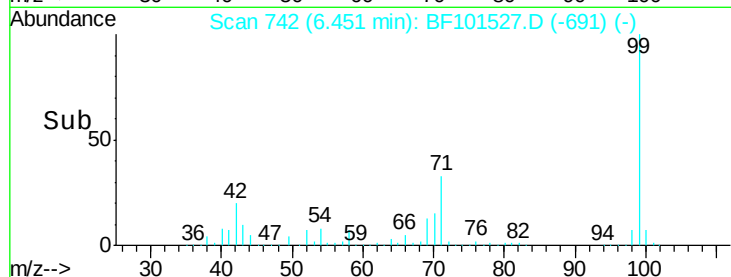
71 33.4 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.278 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.21 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

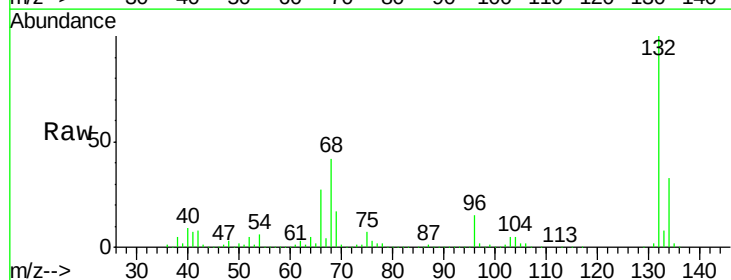
Tgt Ion: 77 Resp: 18746

Ion Ratio Lower Upper

77 100

105 82.2 81.1 121.1

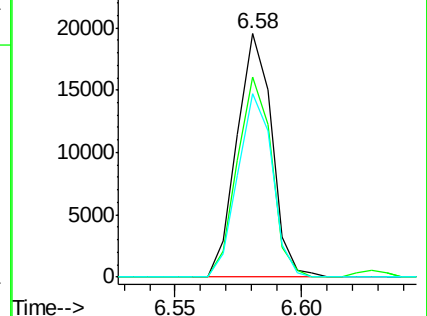
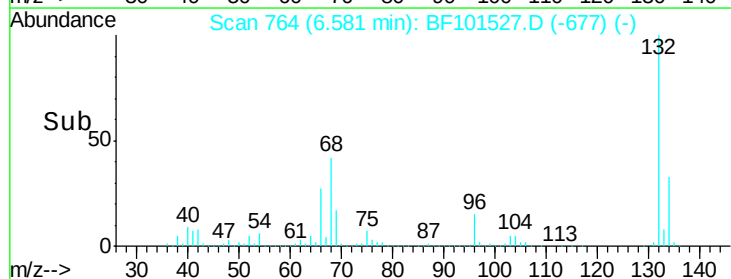
106 75.6 74.5 114.5

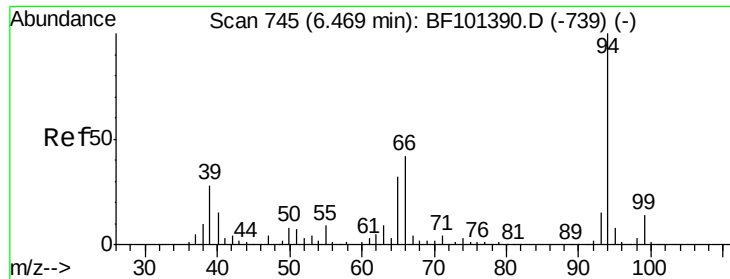


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 7.427 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

Instrument :

BNA_F

ClientSampleId :

VB16206-VB16211

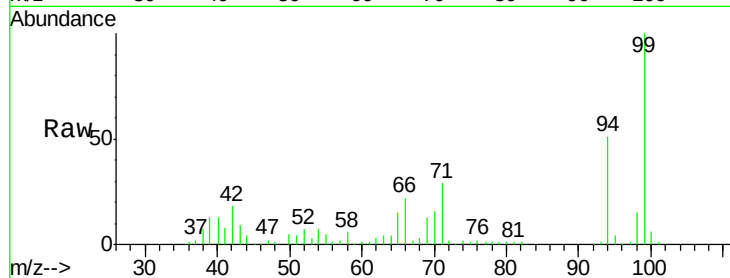
Tot Ion: 94 Resp: 94337

Ion Ratio Lower Upper

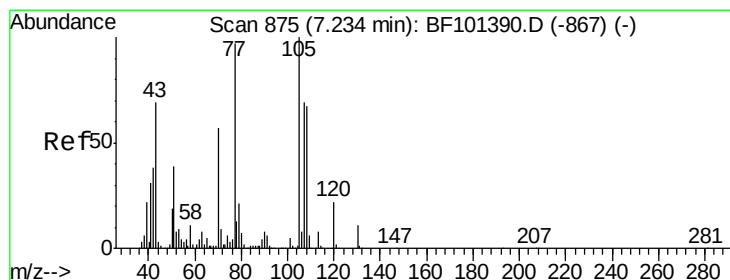
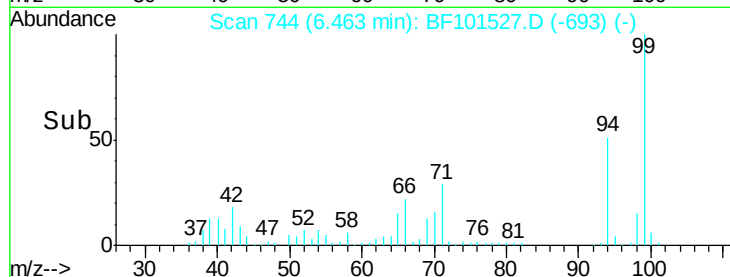
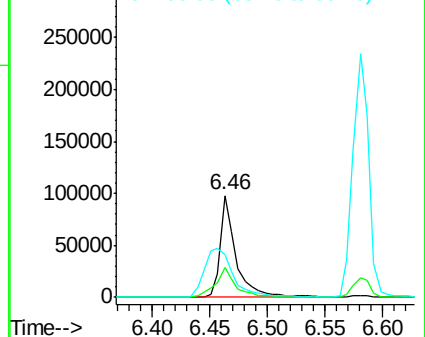
94 100

65 29.2 7.9 47.9

66 42.4 16.2 56.2



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: 13.456 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

Tgt Ion: 70 Resp: 98477

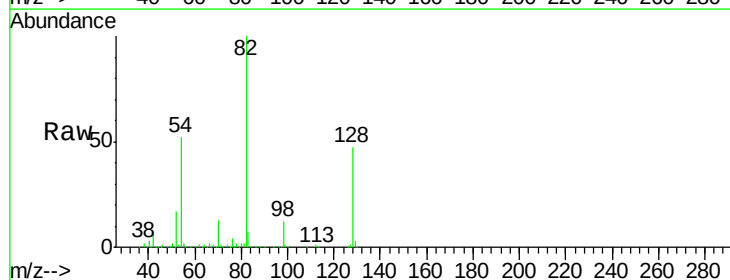
Ion Ratio Lower Upper

70 100

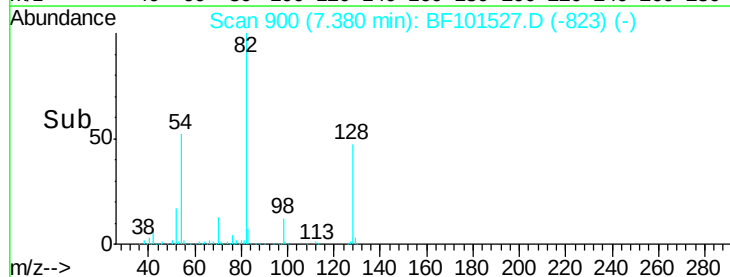
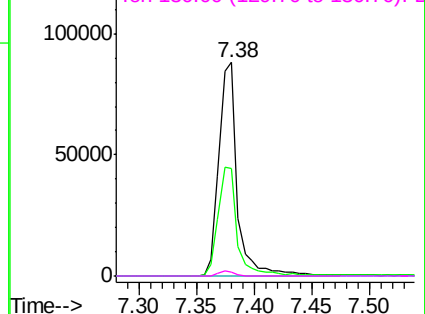
42 50.1 47.5 71.3

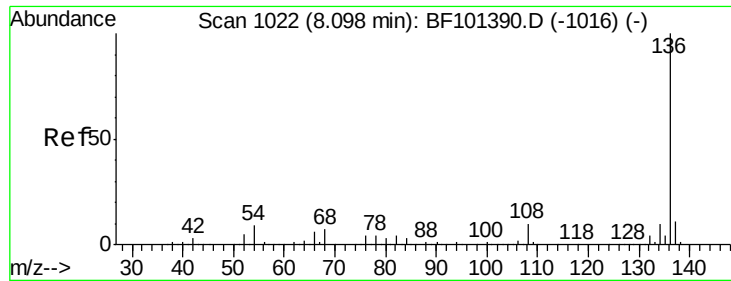
101 0.0 7.4 11.2#

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

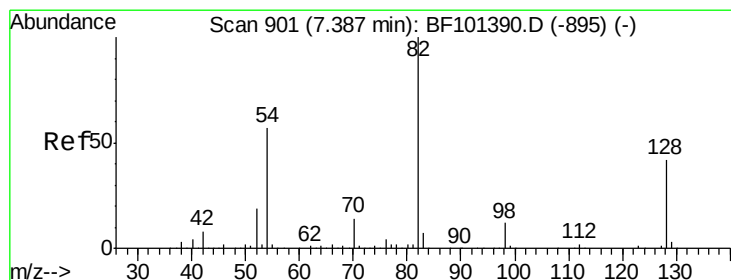
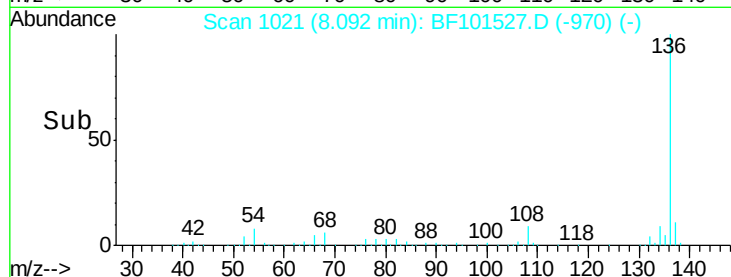
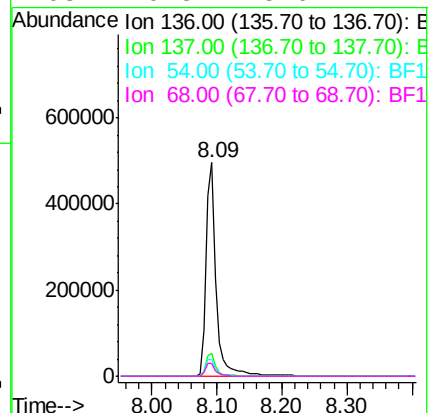
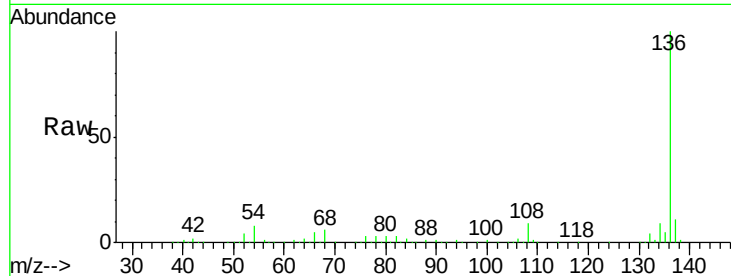




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101527.D
Acq: 19 Dec 2017 17:27

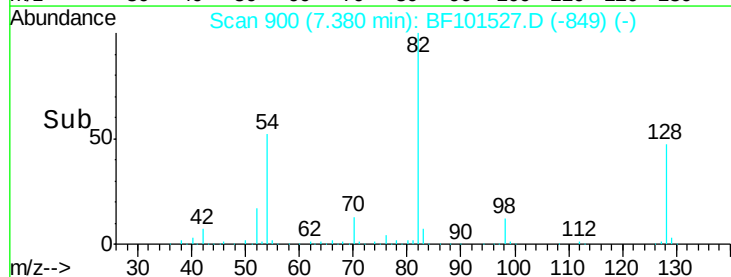
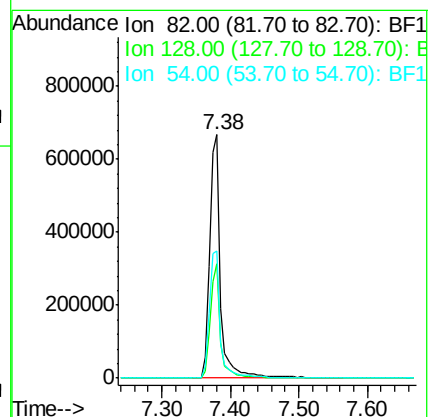
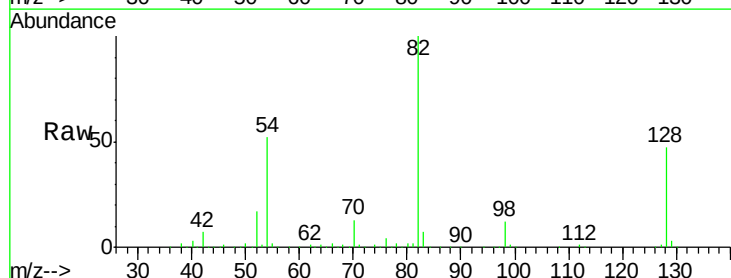
Instrument :
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ClientSampleId :
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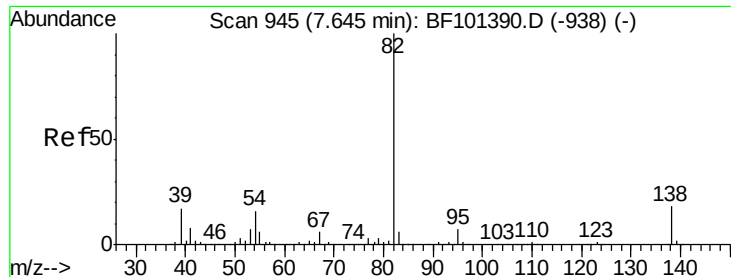
Tot Ion:136	Resp:	535364
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	8.1	6.6 9.8
68	6.3	5.0 7.4



#23
Nitrobenzene-d5
Concen: 78.017 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF101527.D
Acq: 19 Dec 2017 17:27

Tgt Ion: 82	Resp:	750322
Ion Ratio	Lower	Upper
82	100	
128	47.0	36.1 54.1
54	52.2	41.4 62.2





#25

Isophorone

Concen: 38.893 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

Instrument :

BNA_F

ClientSampleId :

VB16206-VB16211

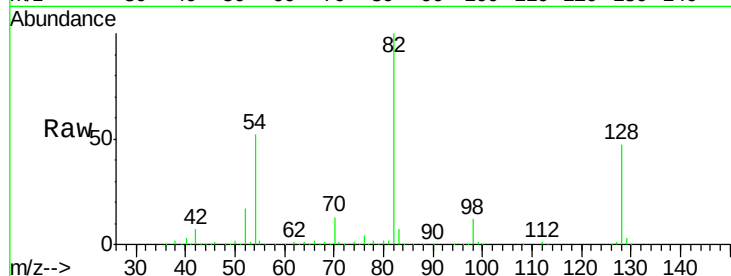
Tot Ion: 82 Resp: 750374

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

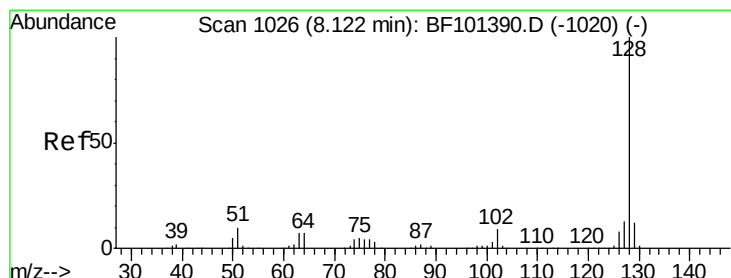
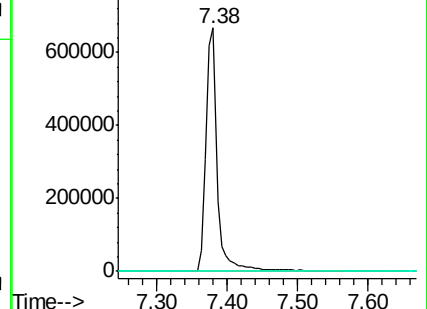
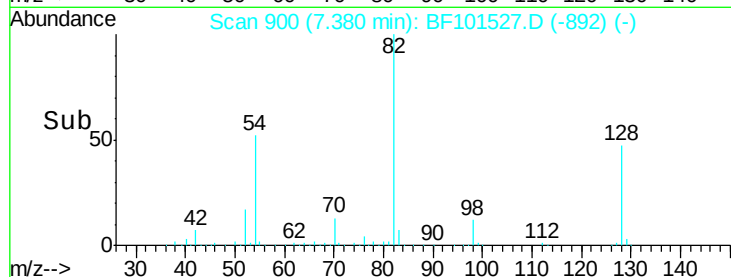
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 2.259 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

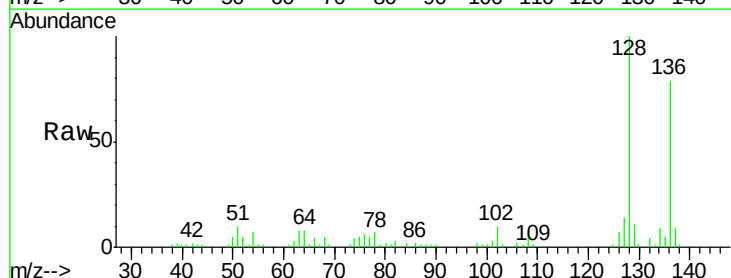
Tgt Ion: 128 Resp: 60875

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

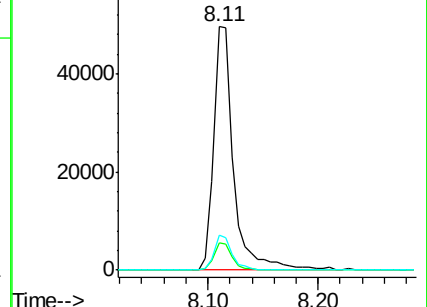
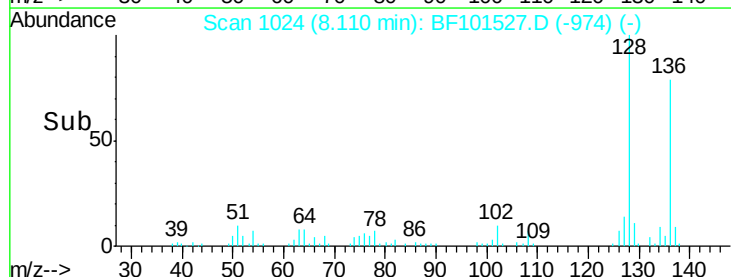
127 14.4 10.9 16.3

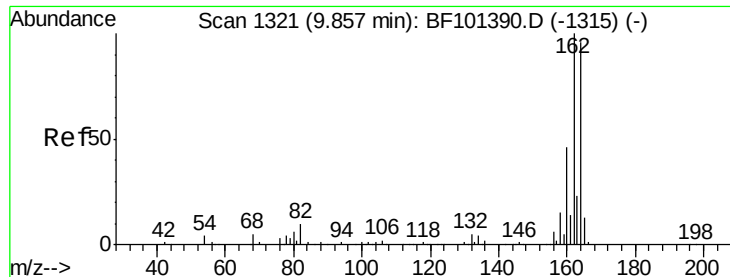


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

Instrument :

BNA_F

ClientSampleId :

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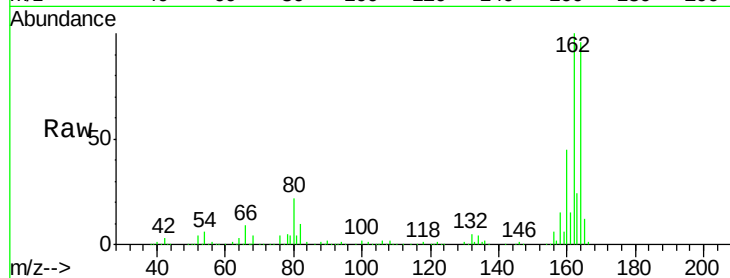
Tot Ion:164 Resp: 235287

Ion Ratio Lower Upper

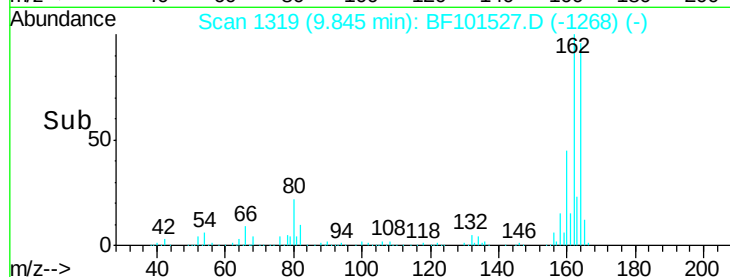
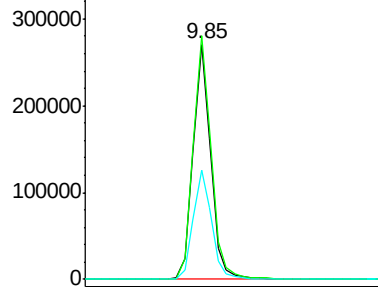
164 100

162 103.7 86.1 129.1

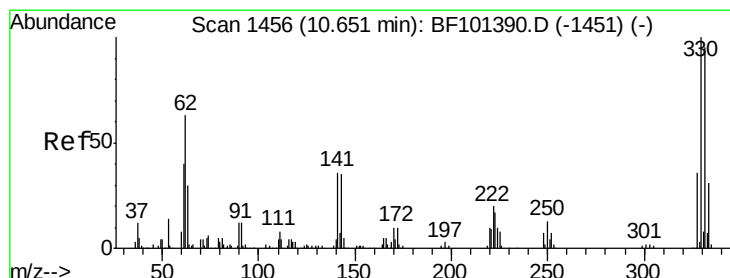
160 46.6 38.3 57.5



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



Time-->



#41

2,4,6-Tribromophenol

Concen: 92.326 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

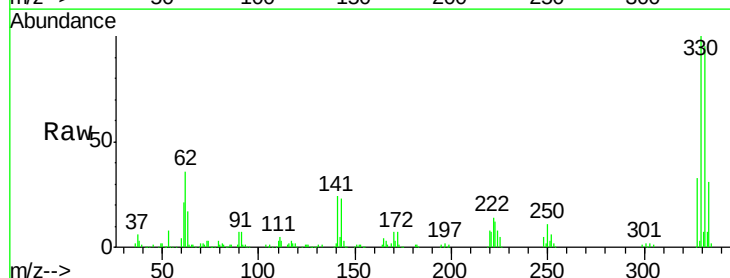
Tgt Ion:330 Resp: 209318

Ion Ratio Lower Upper

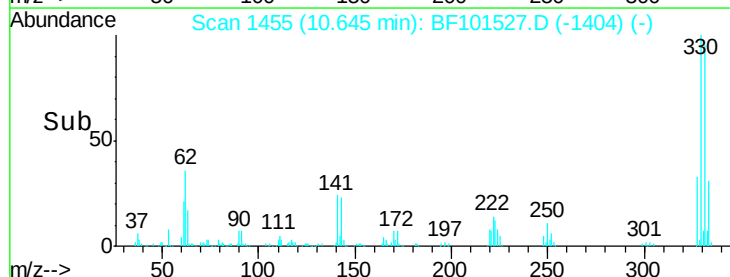
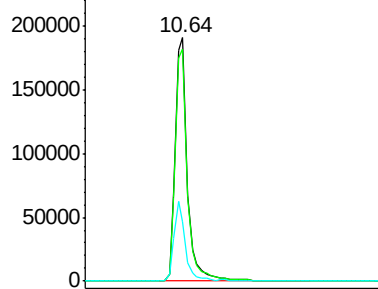
330 100

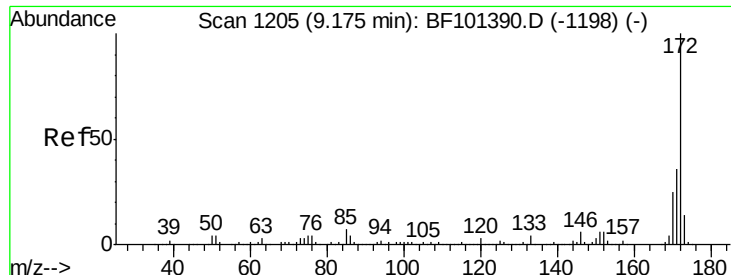
332 94.9 77.0 115.6

141 30.9 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

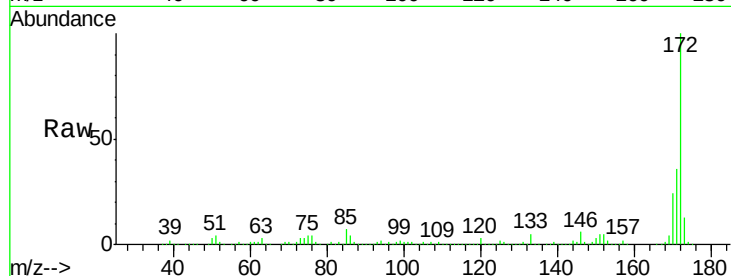




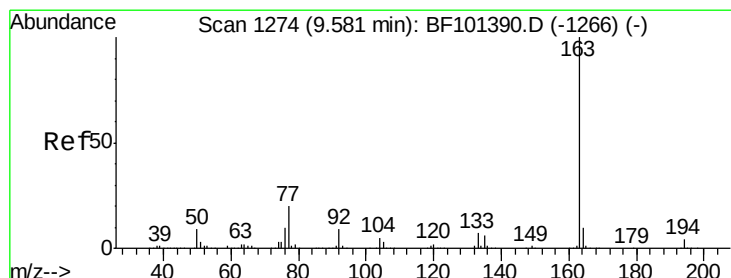
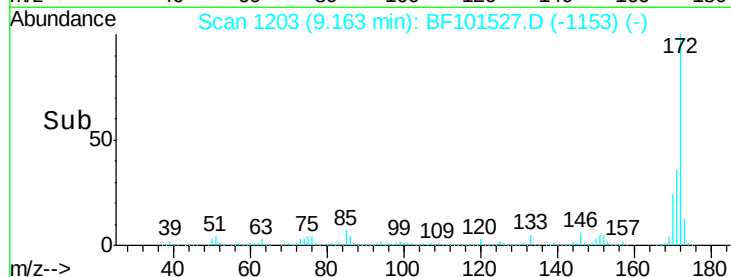
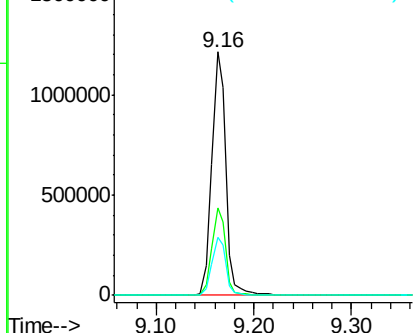
#44
2-Fluorobiphenyl
Concen: 80.042 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF101527.D
Acq: 19 Dec 2017 17:27

Instrument :
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ClientSampleId :
VB16206-VB16211

Tot Ion:172 Resp: 1214055
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 23.7 19.6 29.4

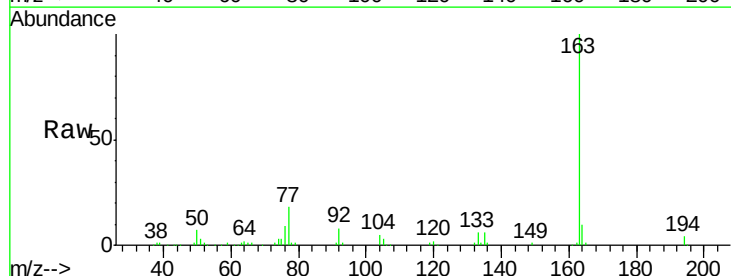


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

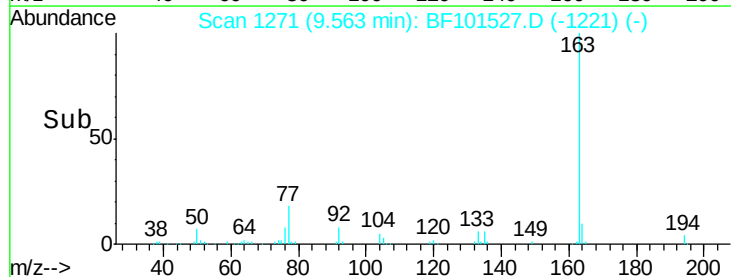
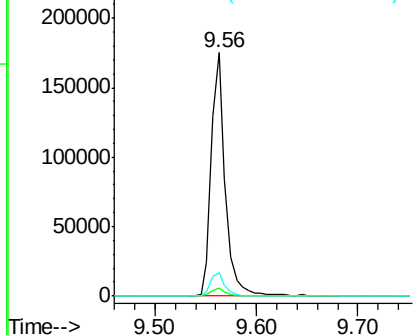


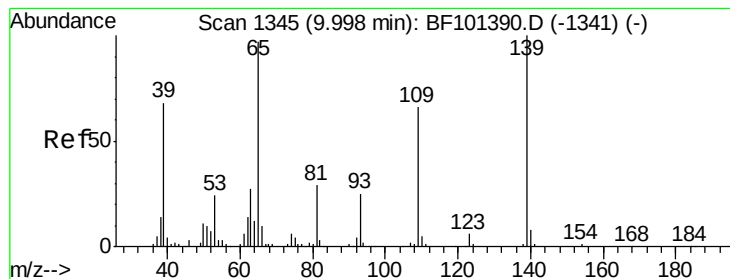
#49
Dimethylphthalate
Concen: 8.898 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101527.D
Acq: 19 Dec 2017 17:27

Tgt Ion:163 Resp: 168394
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.7 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





#55

4-Nitrophenol

Concen: 5.323 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.06 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

Instrument :

BNA_F

ClientSampleId :

VB16206-VB16211

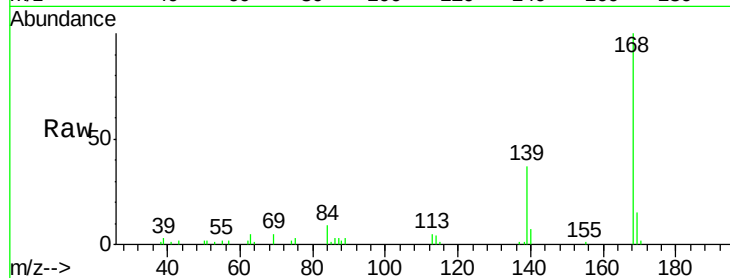
Tot Ion:139 Resp: 11131

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

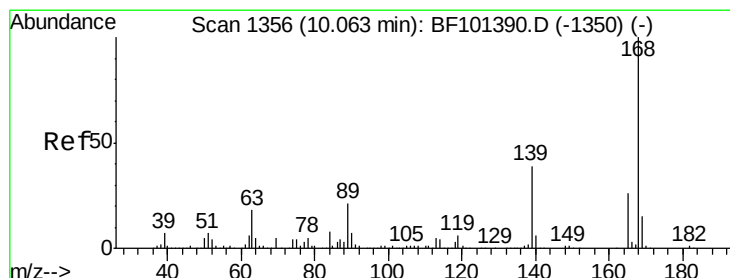
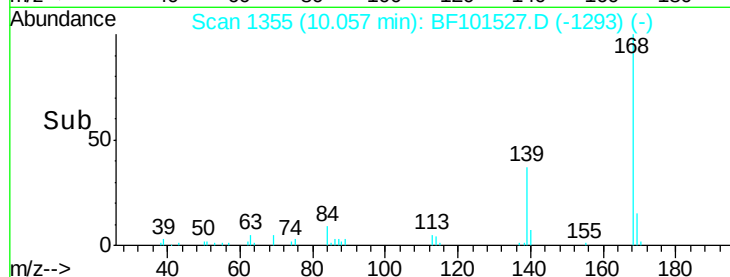
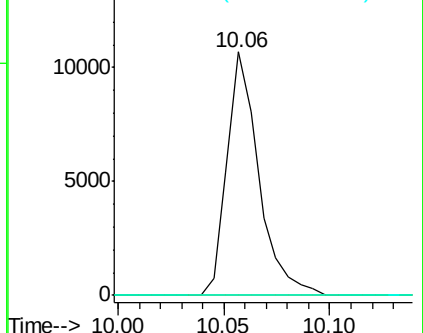
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.793 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

Tgt Ion:165 Resp: 29438

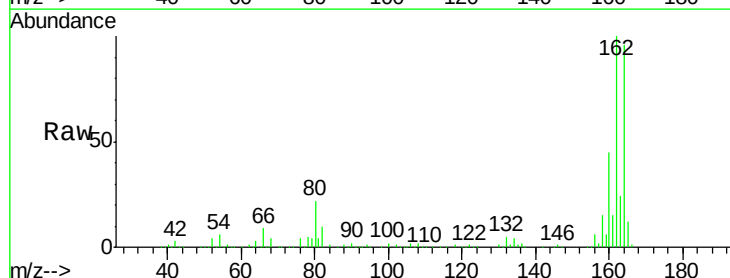
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

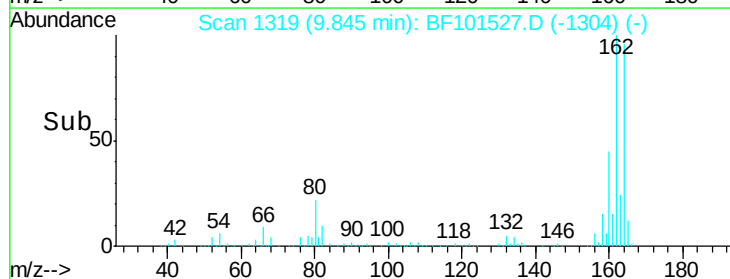
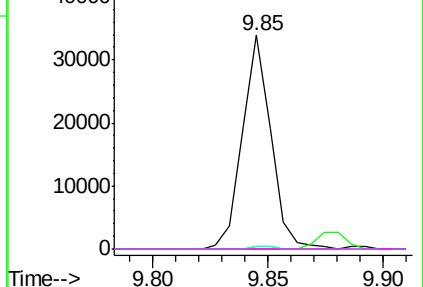


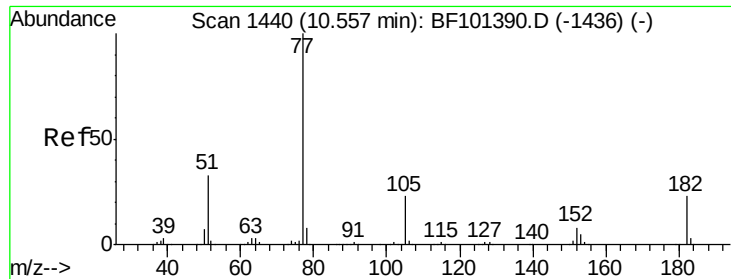
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 5.383 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

Instrument :

BNA_F

ClientSampleId :

VB16206-VB16211

Tot Ion: 77 Resp: 104509

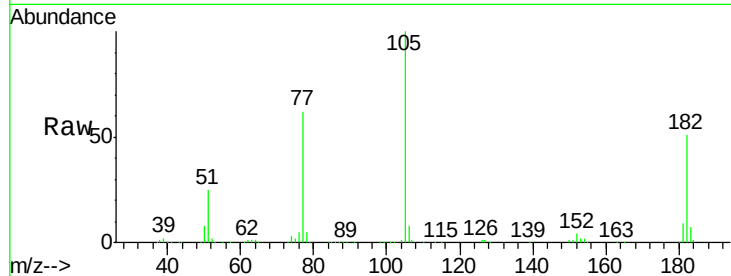
Ion Ratio Lower Upper

77 100

182 83.0 1.7 41.7#

105 161.3 3.0 43.0#

51 40.4 9.9 49.9

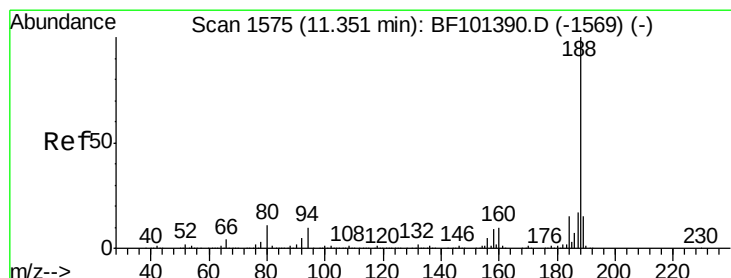
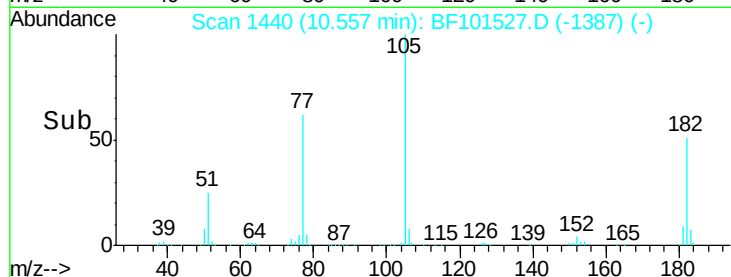
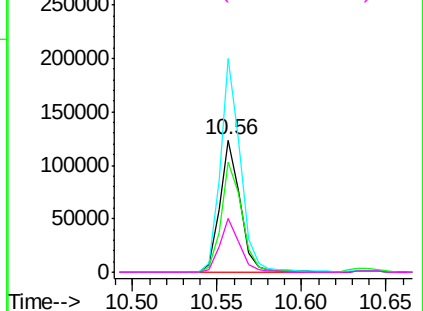


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

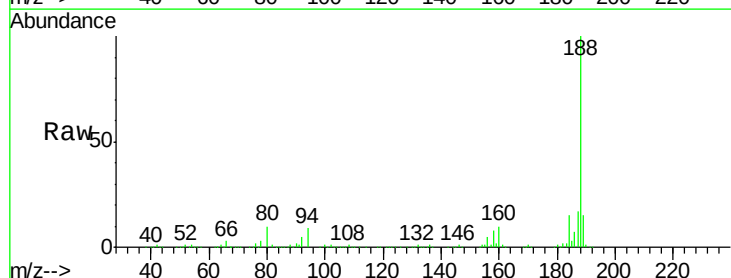
Tgt Ion: 188 Resp: 416108

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

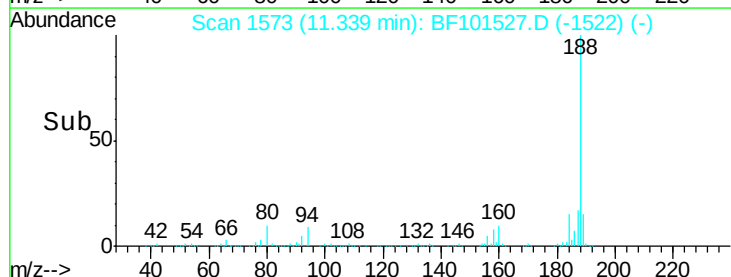
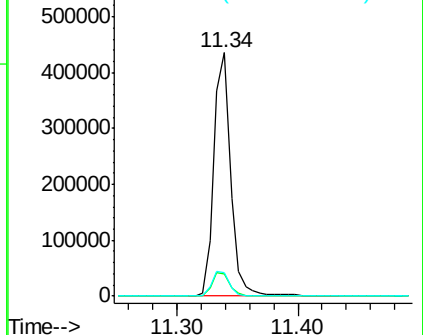
80 9.8 9.2 13.8

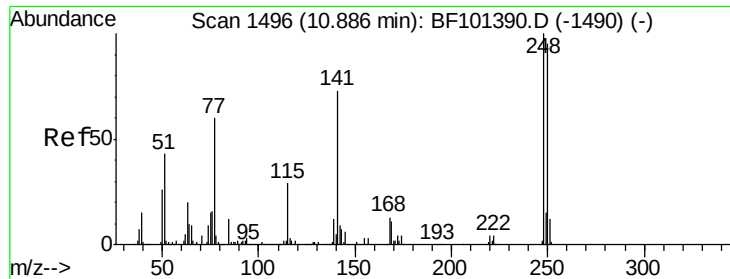


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

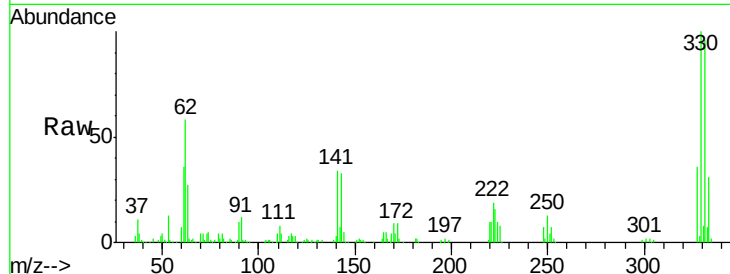




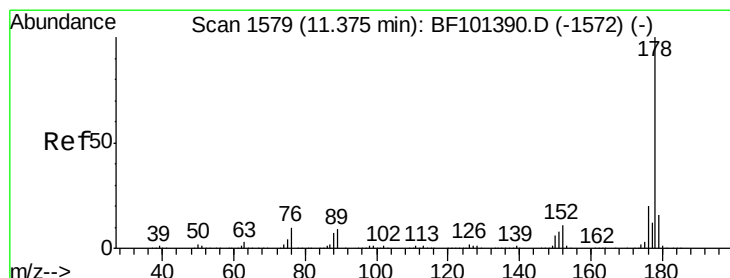
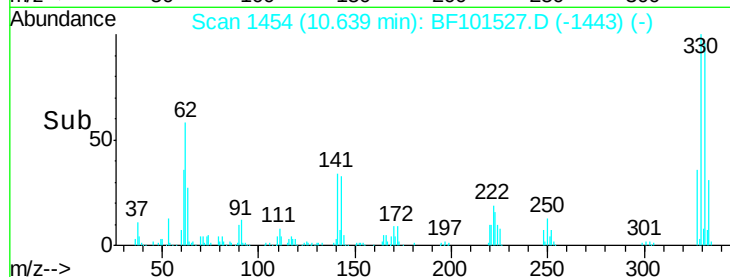
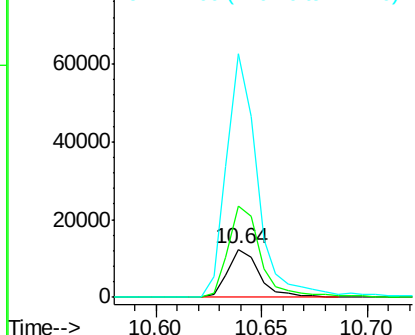
#66
 4-Bromophenyl-phenylether
 Concen: 2.714 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF101527.D
 Acq: 19 Dec 2017 17:27

Instrument :
 BNA_F
 ClientSampleId :
 VB16206-VB16211

Tot Ion:248 Resp: 12688
 Ion Ratio Lower Upper
 248 100
 250 190.2 76.9 115.3#
 141 505.4 74.4 111.6#

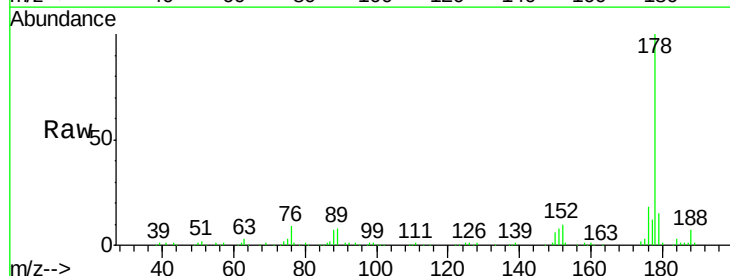


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

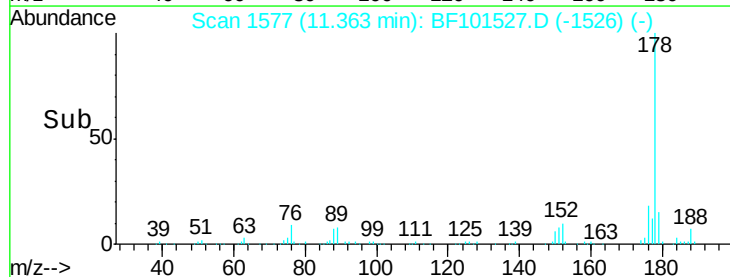
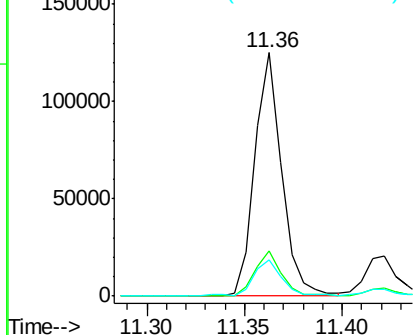


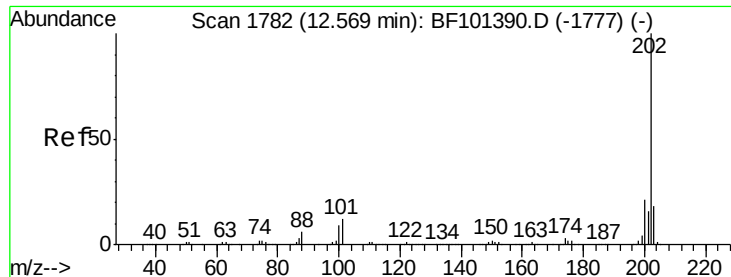
#70
 Phenanthrene
 Concen: 5.204 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF101527.D
 Acq: 19 Dec 2017 17:27

Tgt Ion:178 Resp: 120430
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 14.7 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

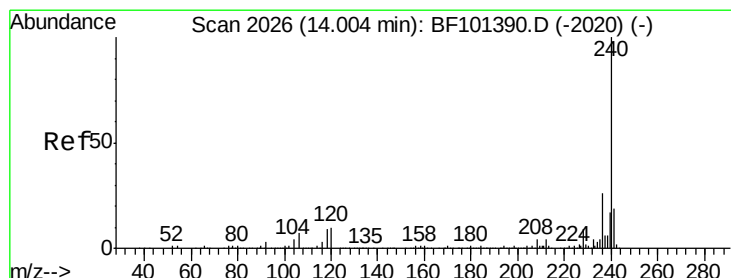
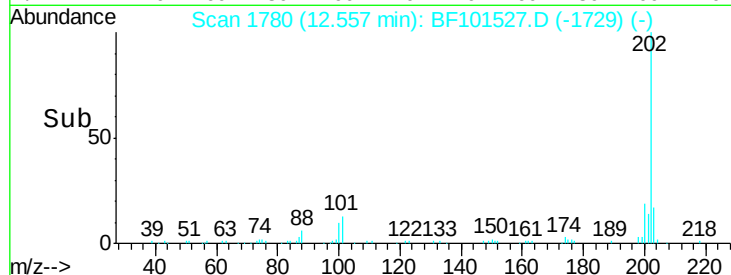
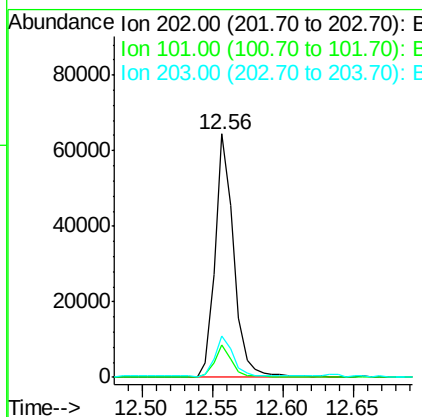
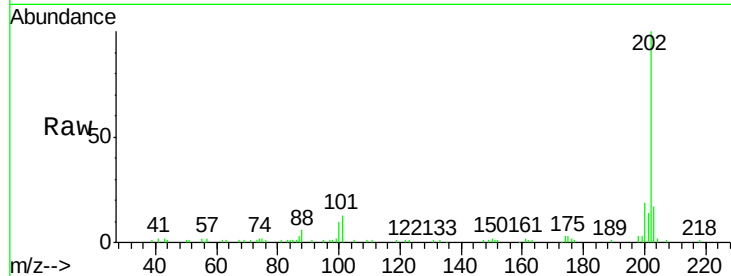




#74
Fluoranthene
Concen: 2.433 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.00 min
Lab File: BF101527.D
Acq: 19 Dec 2017 17:27

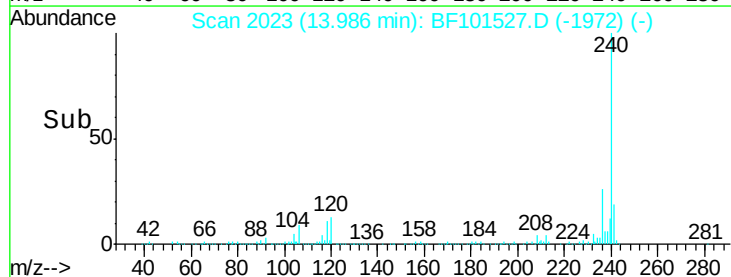
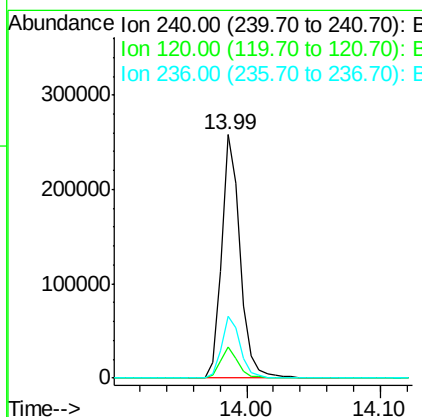
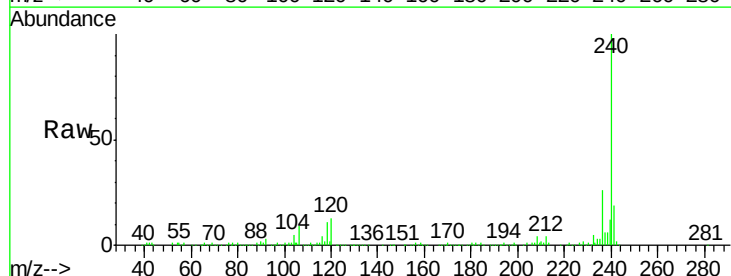
Instrument :
BNA_F
ClientSampleId :
VB16206-VB16211

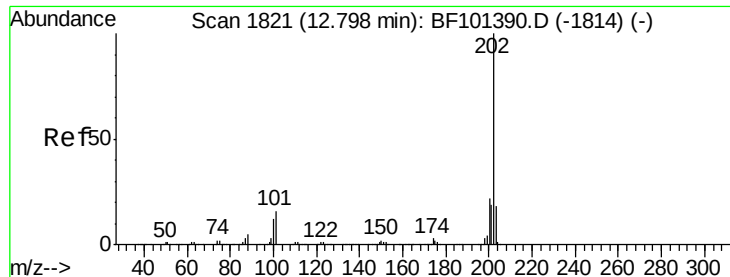
Tot Ion:202 Resp: 59093
Ion Ratio Lower Upper
202 100
101 13.5 0.0 34.1
203 16.7 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF101527.D
Acq: 19 Dec 2017 17:27

Tgt Ion:240 Resp: 253105
Ion Ratio Lower Upper
240 100
120 13.0 9.5 14.3
236 25.6 20.7 31.1





#77

Pvrene

Concen: 2.040 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

Instrument :

BNA_F

ClientSampleId :

VB16206-VB16211

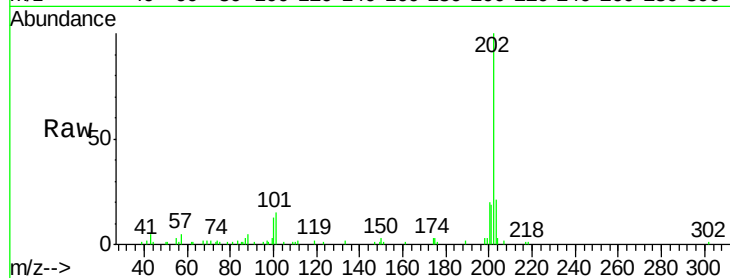
Tot Ion:202 Resp: 38755

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

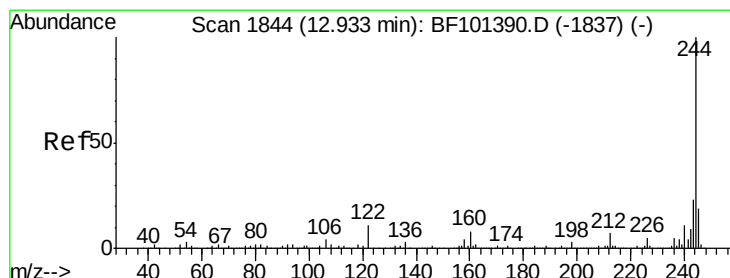
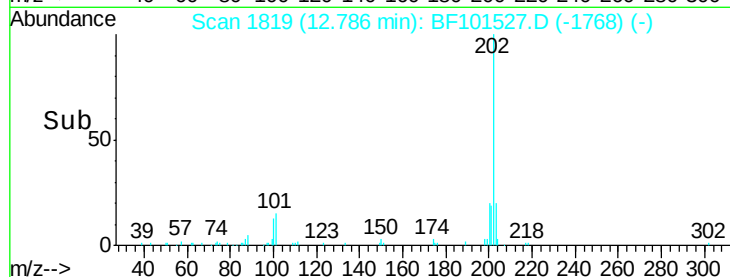
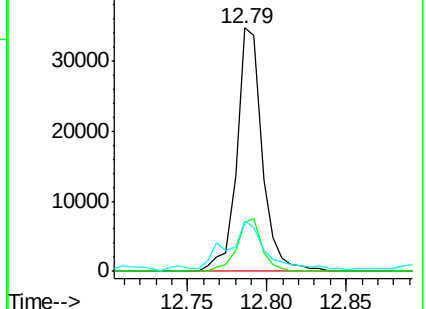
203 20.7 14.3 21.5



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: 87.676 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF101527.D

Acq: 19 Dec 2017 17:27

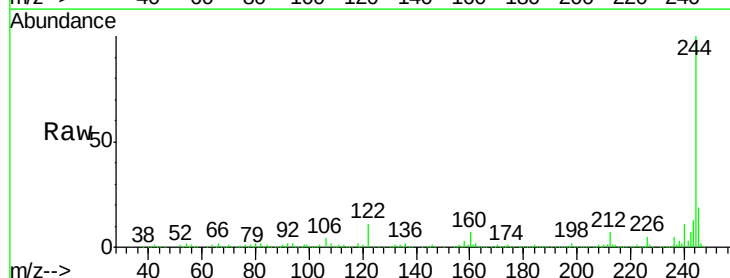
Tgt Ion:244 Resp: 920505

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

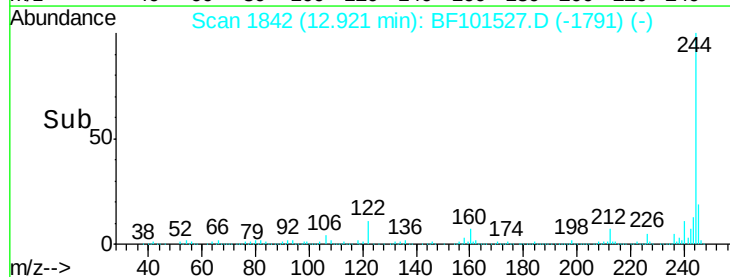
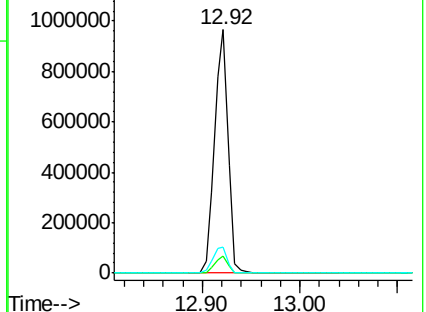
122 10.9 11.0 16.4#

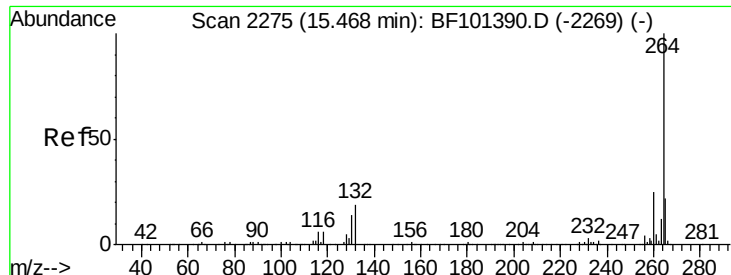


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101527.D
Acq: 19 Dec 2017 17:27

Instrument :
BNA_F
ClientSampleId :
VB16206-VB16211

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.5	26.3

