

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101725.D
 Acq On : 26 Dec 2017 20:40
 Operator : SJ/JU
 Sample : I7022-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 352

Quant Time: Dec 27 04:56:35 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

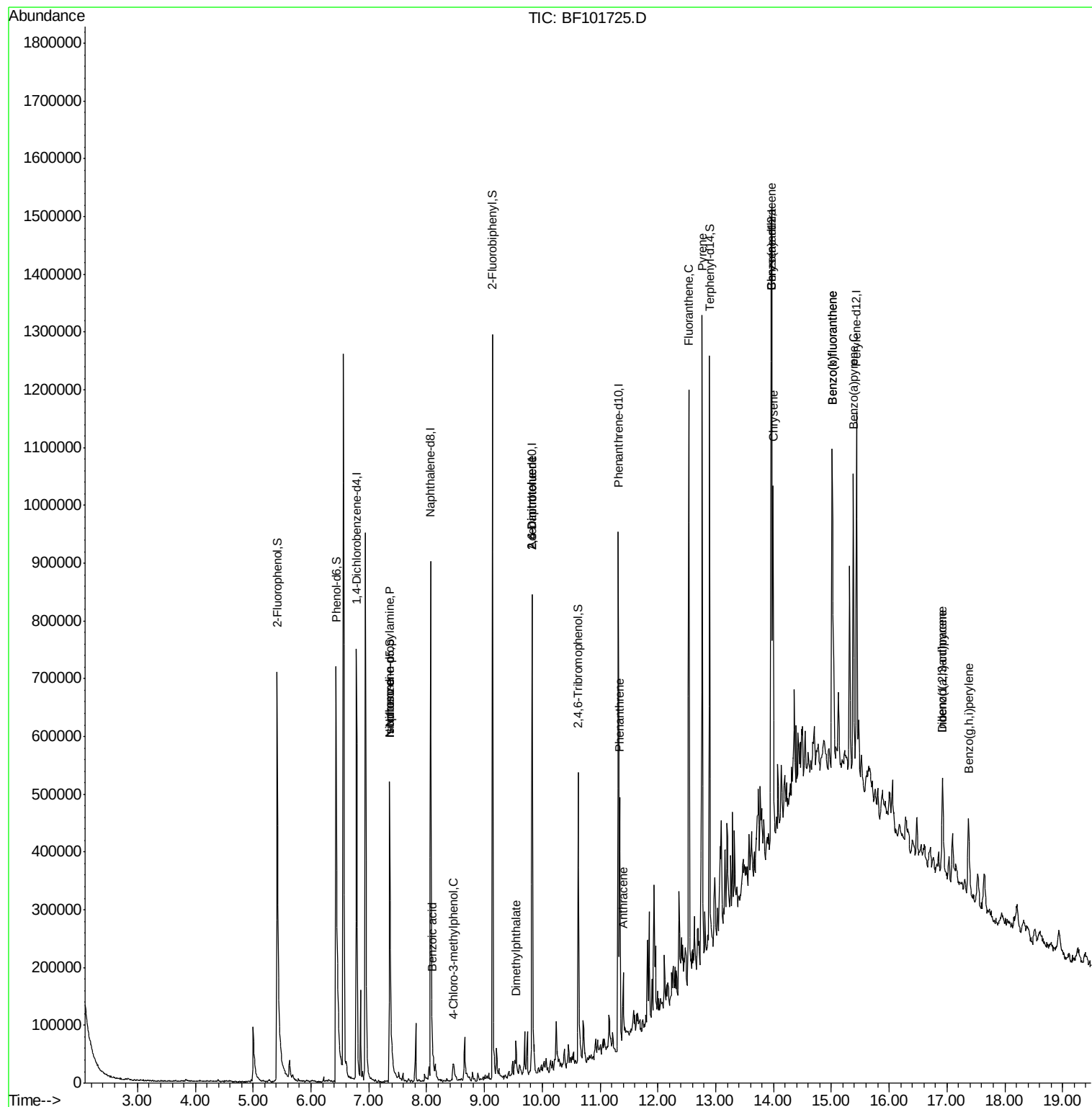
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	125324	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	453706	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	168175	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	293869	20.00	ng	0.00
75) Chrysene-d12	13.97	240	293641	20.00	ng	0.00
86) Perylene-d12	15.44	264	330881	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	397998	47.31	ng	0.00
7) Phenol-d6	6.43	99	469652	44.85	ng	0.00
23) Nitrobenzene-d5	7.36	82	281013	34.48	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	71775	44.29	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	417652	38.52	ng	0.00
78) Terphenyl-d14	12.89	244	356224	29.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	33409	4.859	ng	Qvalue # 84
25) Isophorone	7.36	82	281013	17.187	ng	# 64
32) Benzoic acid	8.10	122	117	7.983	ng	# 16
36) 4-Chloro-3-methylphenol	8.46	107	29953	4.190	ng	# 20
49) Dimethylphthalate	9.55	163	27312	2.019	ng	# 95
50) 2,6-Dinitrotoluene	9.82	165	21553	7.839	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	21553	6.958	ng	# 24
70) Phenanthrene	11.34	178	168822	10.330	ng	99
71) Anthracene	11.40	178	51828	3.105	ng	97
74) Fluoranthene	12.53	202	416306	24.269	ng	99
77) Pyrene	12.76	202	458609	20.810	ng	99
80) Benzo(a)anthracene	13.96	228	280400	14.461	ng	98
82) Chrysene	13.99	228	258378	14.113	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	143947	8.830	ng	# 90
87) Benzo(b)fluoranthene	15.02	252	416153	20.634	ng	# 97
88) Benzo(k)fluoranthene	15.02	252	416153	21.223	ng	98
89) Benzo(a)pyrene	15.38	252	259100	13.936	ng	98
90) Dibenzo(a,h)anthracene	16.92	278	33126	2.075	ng	# 70
91) Benzo(a,h,i)perylene	17.37	276	135491	8.572	ng	94

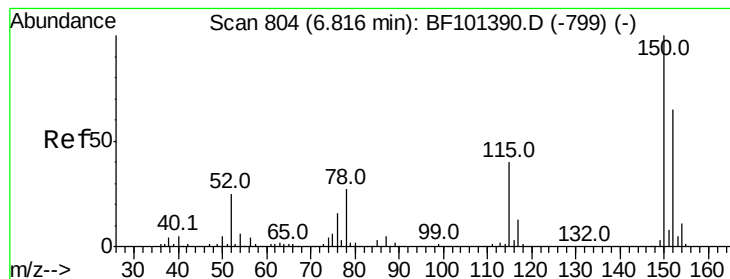
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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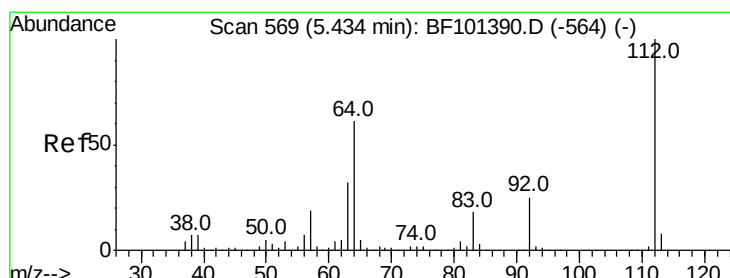
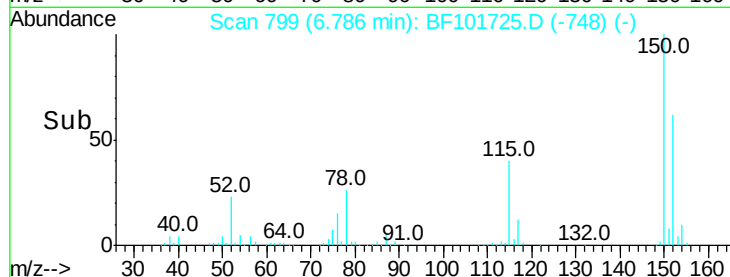
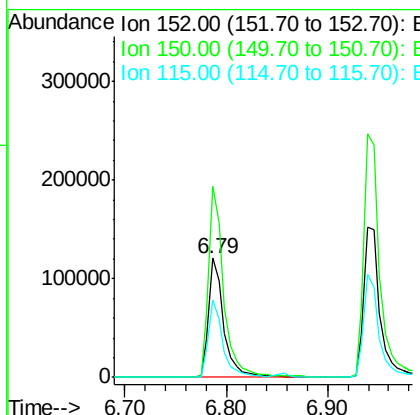
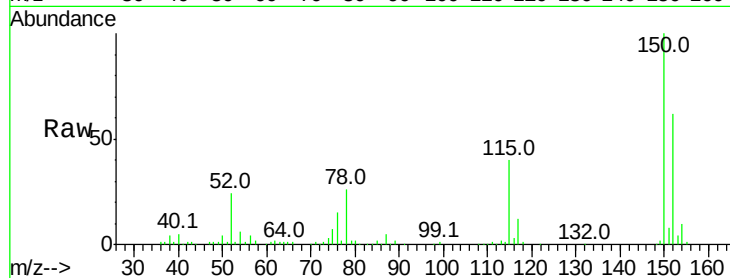


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

Instrument :
BNA_F
ClientSampleId :
352

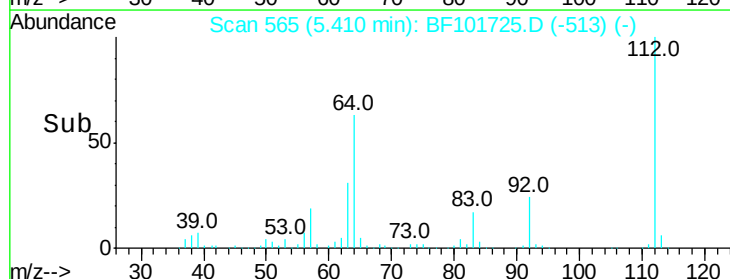
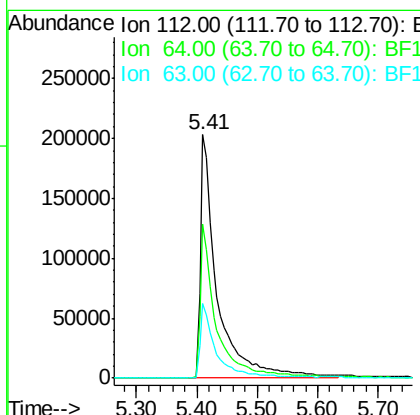
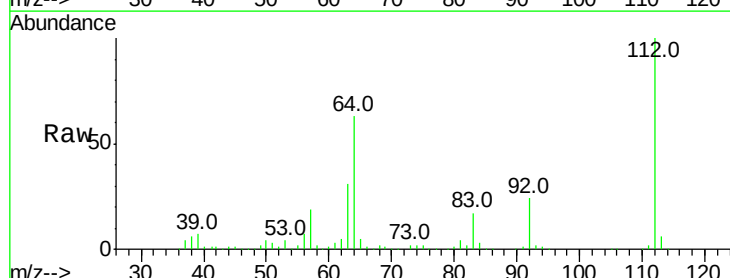
Tot Ion:152 Resp: 125324
Ion Ratio Lower Upper
152 100
150 161.3 124.6 186.8
115 64.4 50.1 75.1

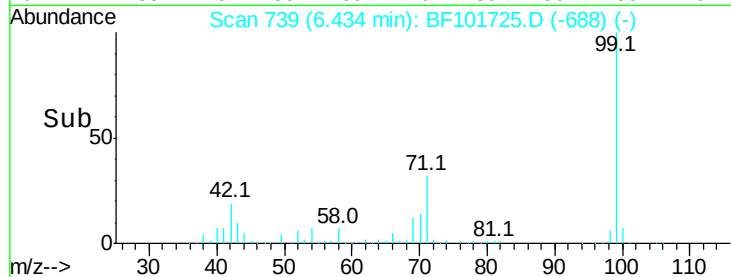
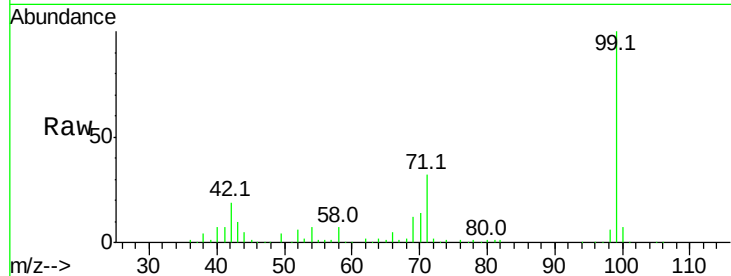
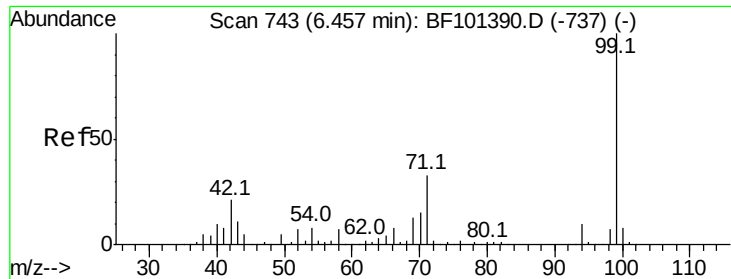


#5

2-Fluorophenol
Concen: 47.305 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

Tgt Ion:112 Resp: 397998
Ion Ratio Lower Upper
112 100
64 63.0 47.9 71.9
63 30.7 23.7 35.5





#7

Phenol-d6

Concen: 44.854 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampleId :

352

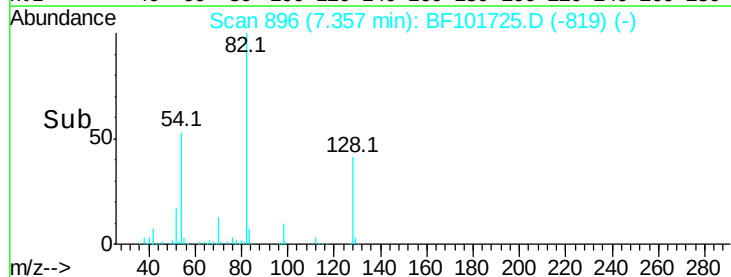
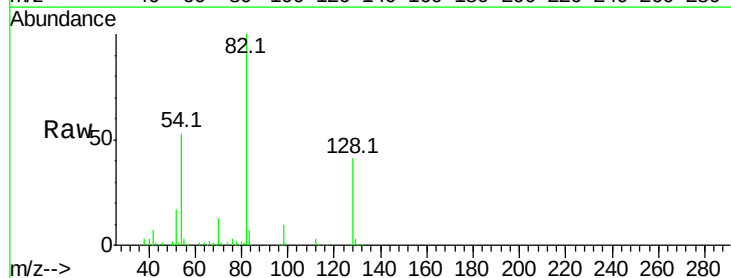
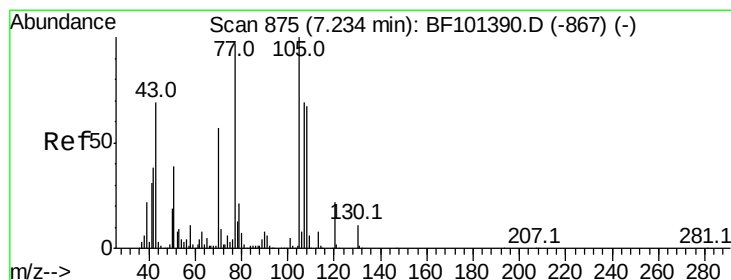
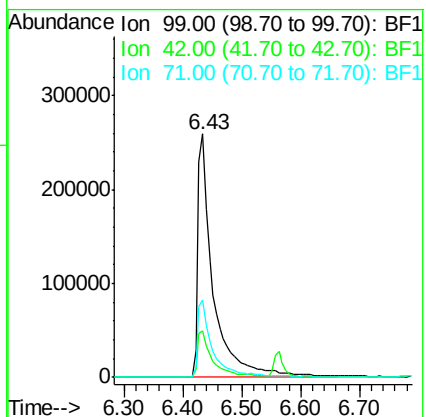
Tot Ion: 99 Resp: 469652

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 31.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.859 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Tgt Ion: 70 Resp: 33409

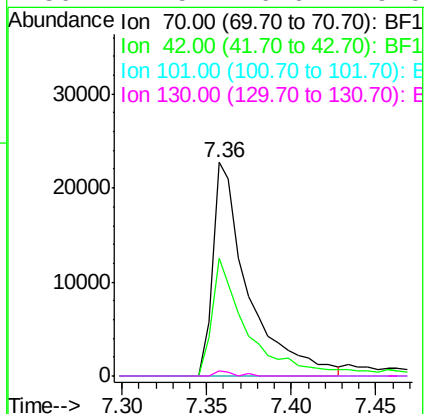
Ion Ratio Lower Upper

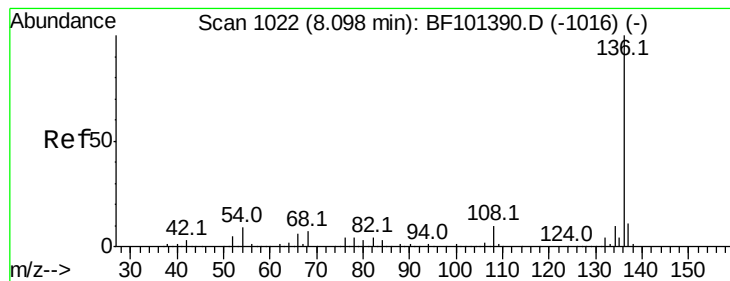
70 100

42 55.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampleId :

352

Tot Ion:136 Resp: 453706

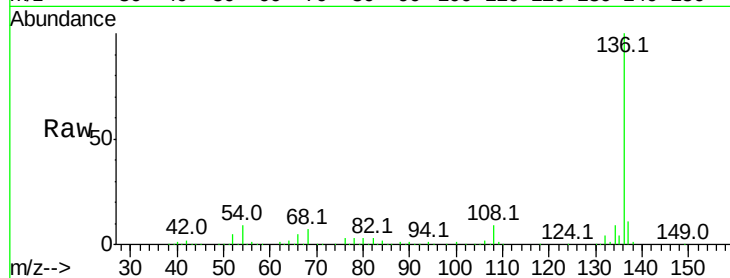
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.0 6.6 9.8

68 7.0 5.0 7.4

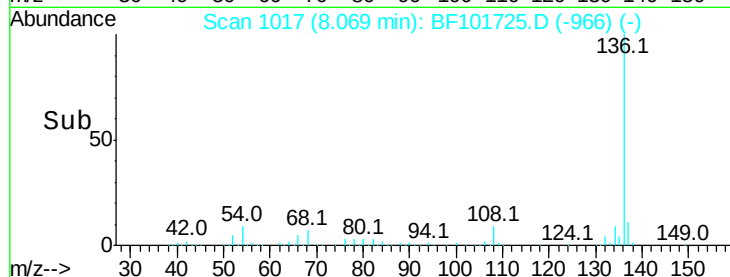


Abundance Ion 136.00 (135.70 to 136.70): E

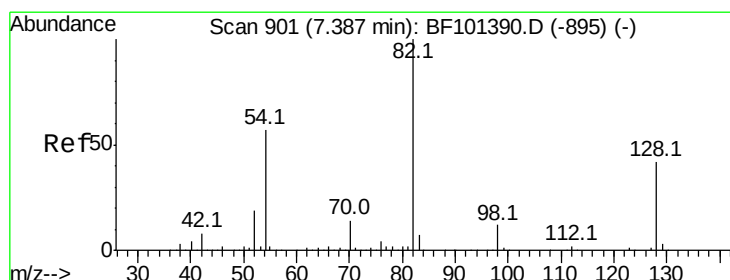
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 34.478 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

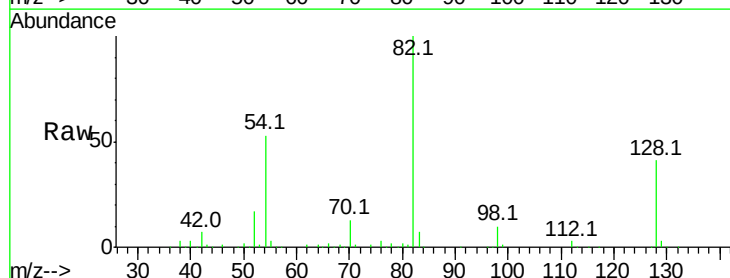
Tgt Ion: 82 Resp: 281013

Ion Ratio Lower Upper

82 100

128 40.7 36.1 54.1

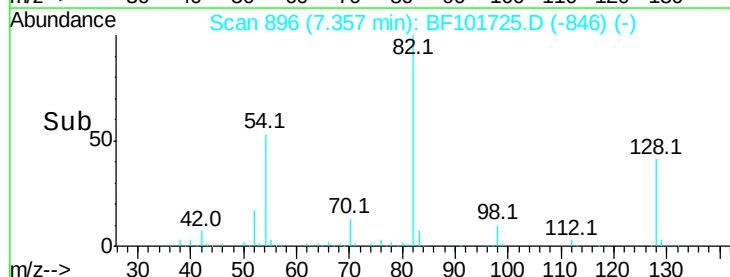
54 53.4 41.4 62.2



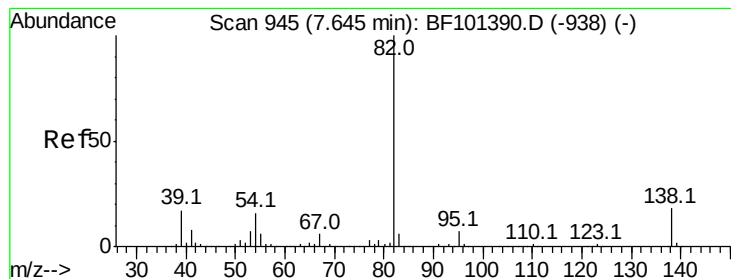
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 17.187 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampled :

352

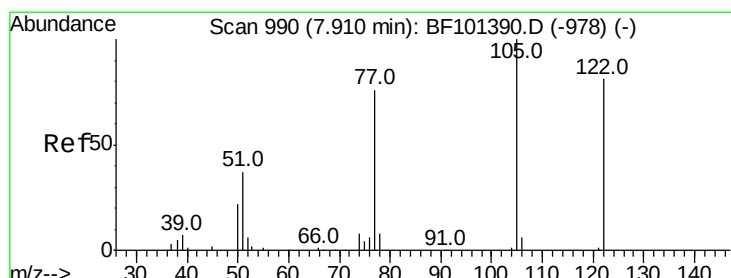
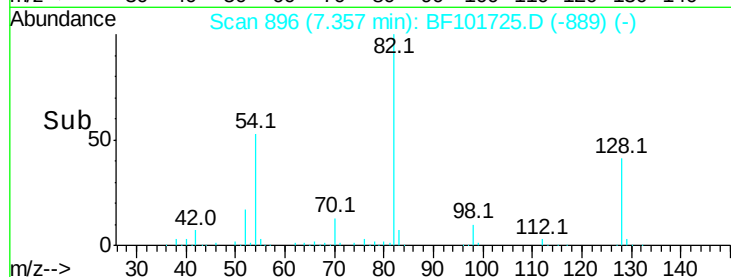
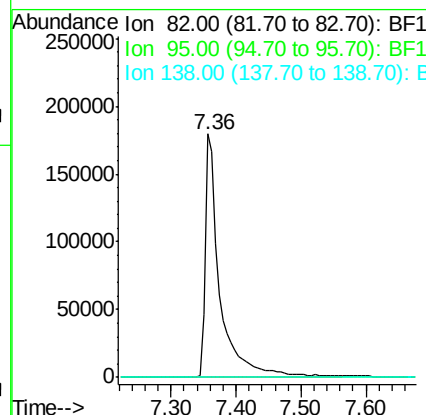
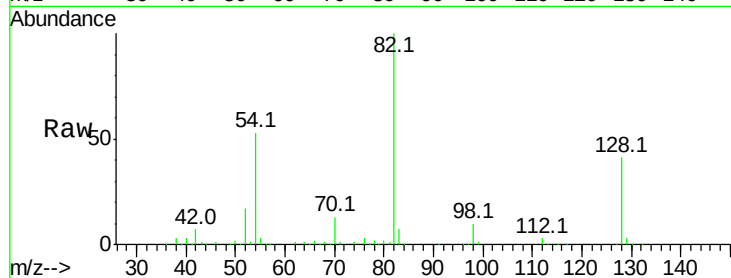
Tot Ion: 82 Resp: 281013

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.983 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.20 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

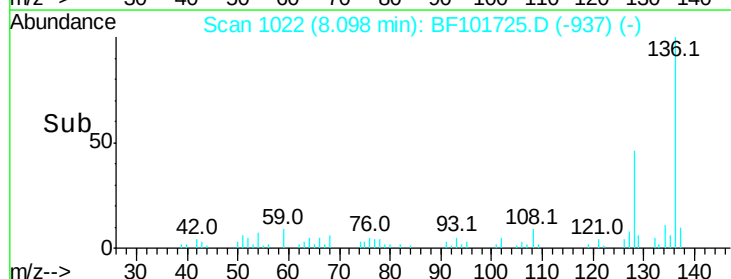
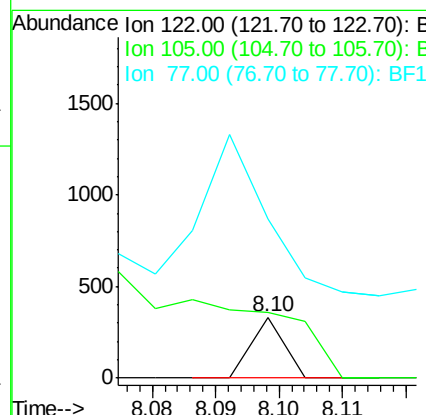
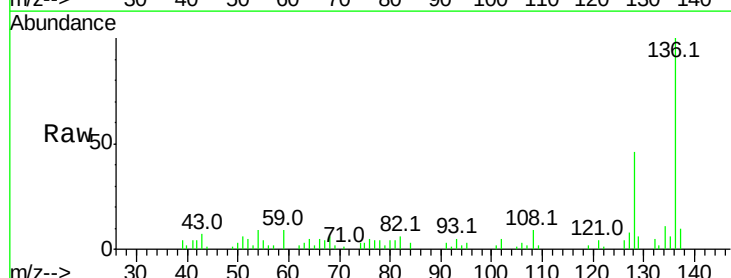
Tgt Ion:122 Resp: 117

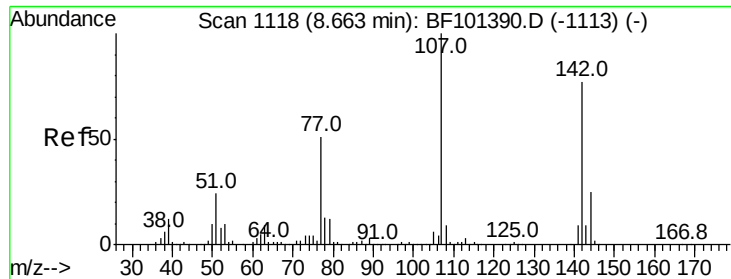
Ion Ratio Lower Upper

122 100

105 107.2 101.1 141.1

77 261.1 70.7 110.7#

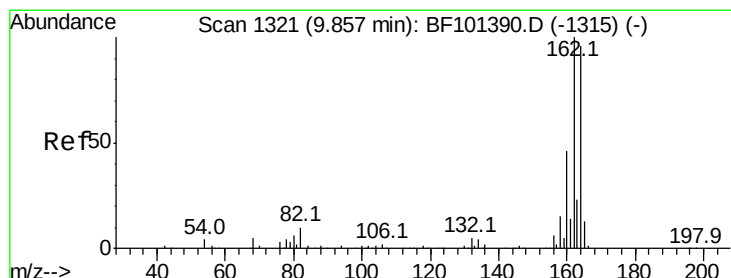
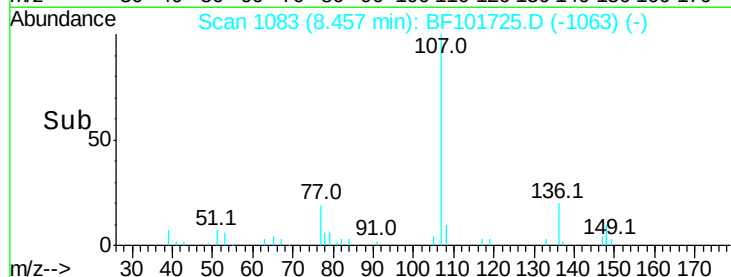
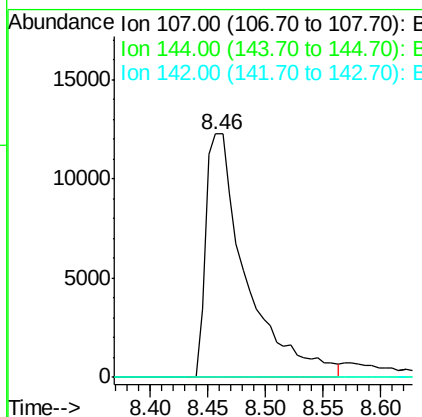
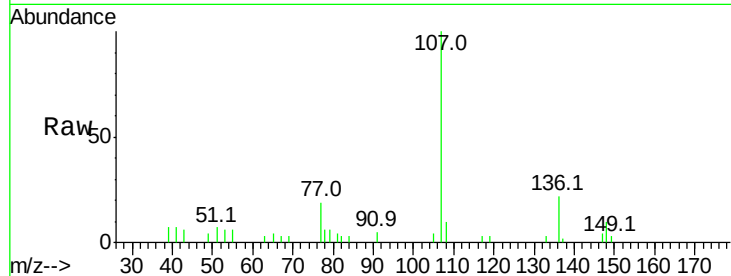




#36
 4-Chloro-3-methylphenol
 Concen: 4.190 ng
 RT: 8.46 min Scan# 1083
 Delta R.T. -0.18 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

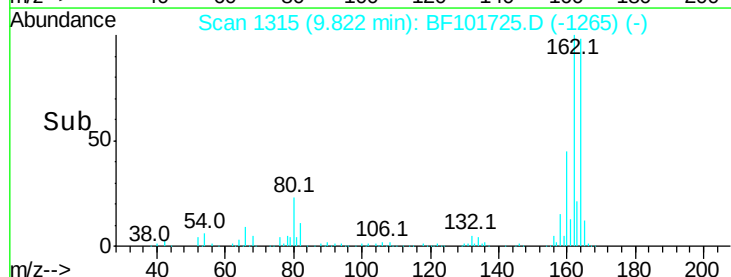
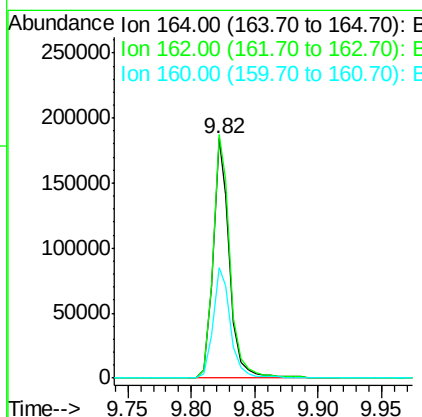
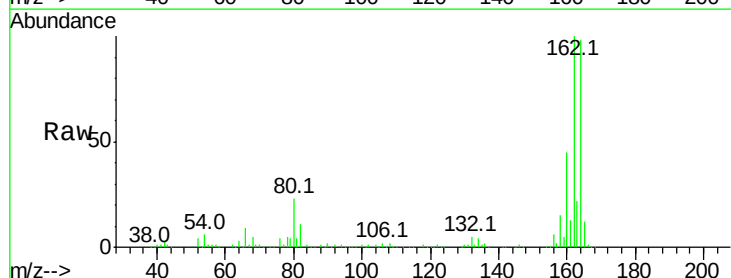
Instrument :
 BNA_F
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 352

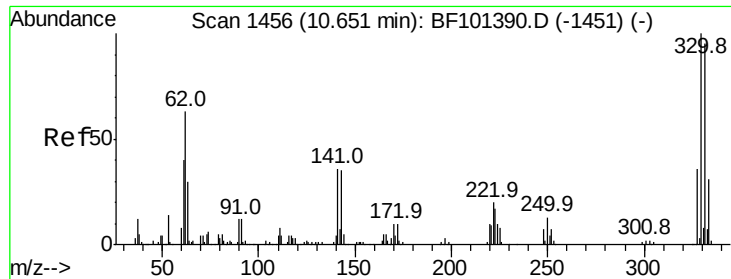
Tot Ion:107 Resp: 29953
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.5 30.7#
 142 0.0 62.0 93.0#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Tgt Ion:164 Resp: 168175
 Ion Ratio Lower Upper
 164 100
 162 101.7 86.1 129.1
 160 45.9 38.3 57.5

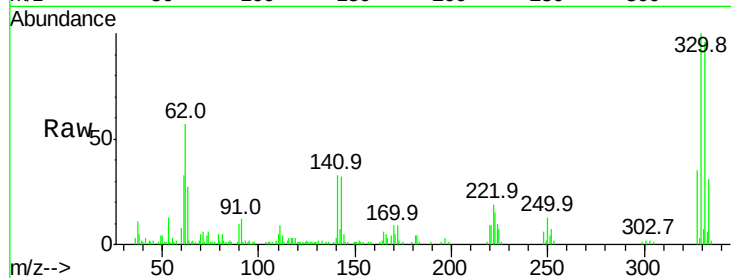




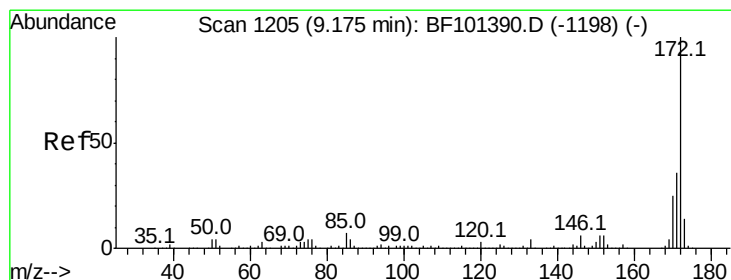
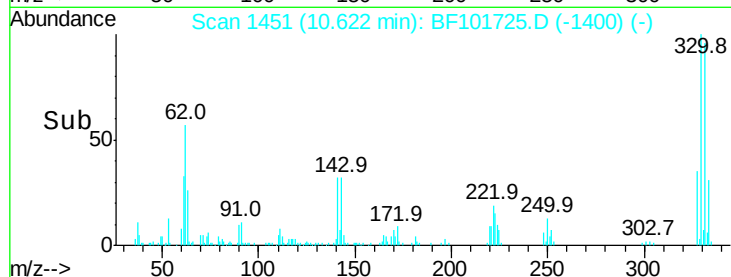
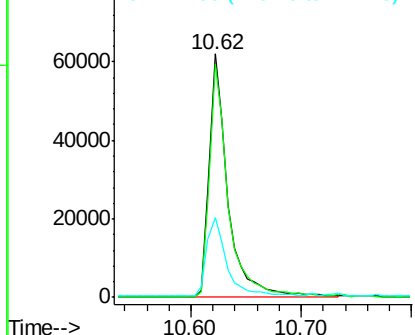
#41
 2,4,6-Tribromophenol
 Concen: 44.292 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Instrument :
 BNA_F
 ClientSampleId :
 352

Tot Ion:330 Resp: 71775
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 33.6 29.9 44.9

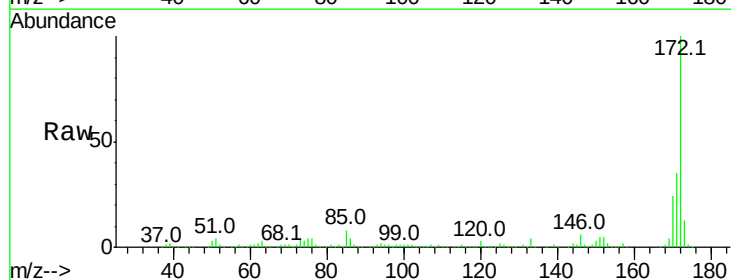


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

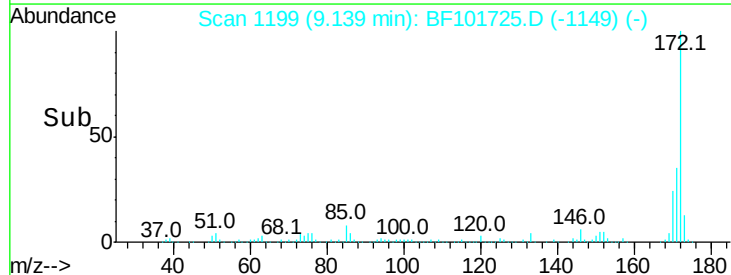
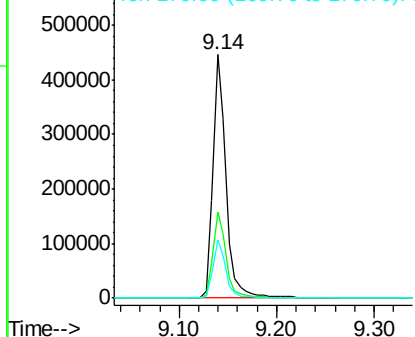


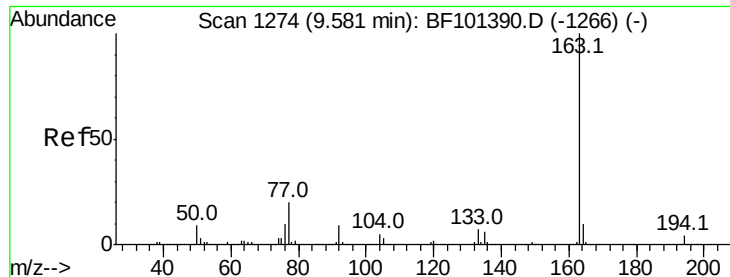
#44
 2-Fluorobiphenyl
 Concen: 38.524 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Tgt Ion:172 Resp: 417652
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.6 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: 2.019 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampleId :

352

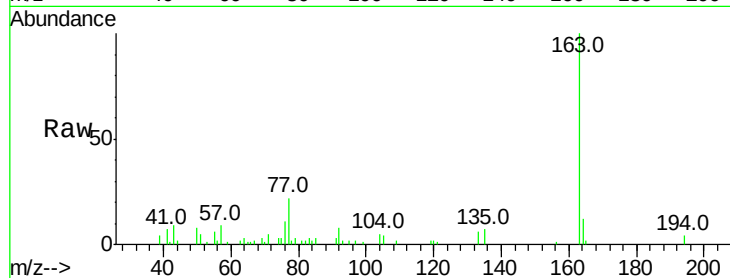
Tot Ion:163 Resp: 27312

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

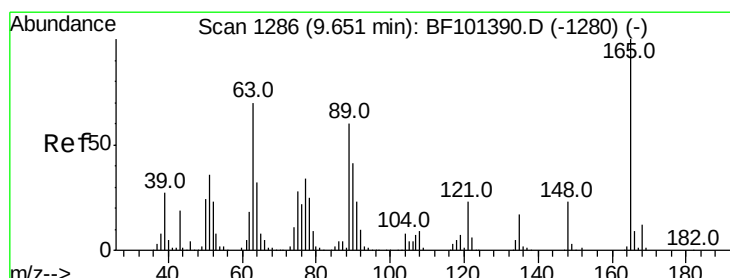
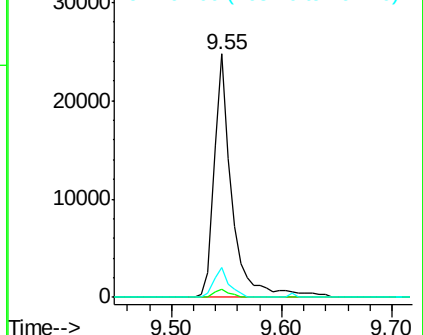
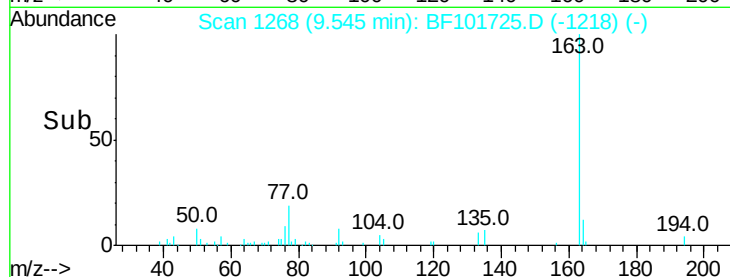
164 12.4 8.2 12.2#



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: 7.839 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.19 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

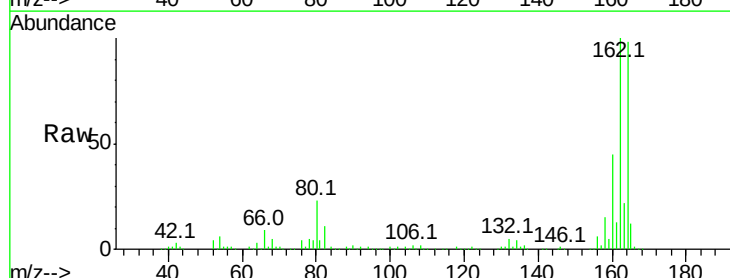
Tgt Ion:165 Resp: 21553

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

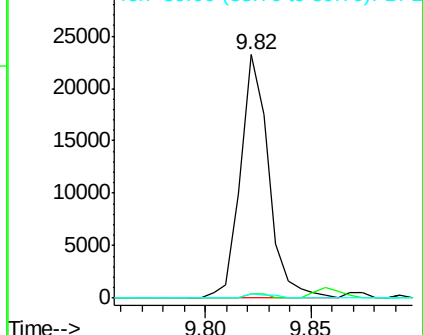
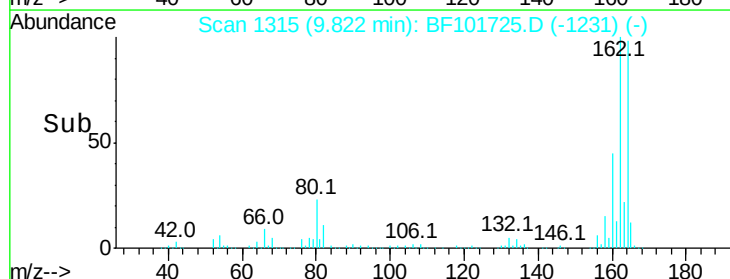
89 1.5 44.0 66.0#

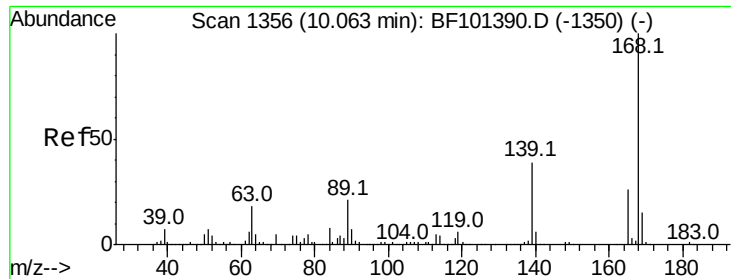


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

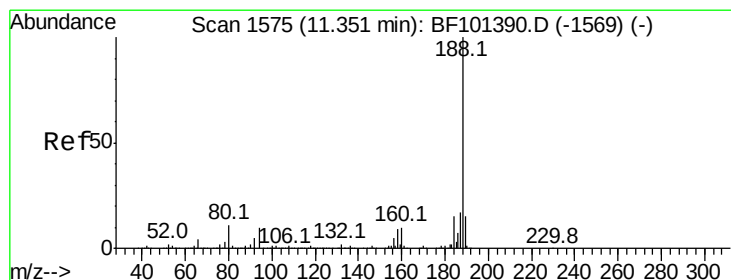
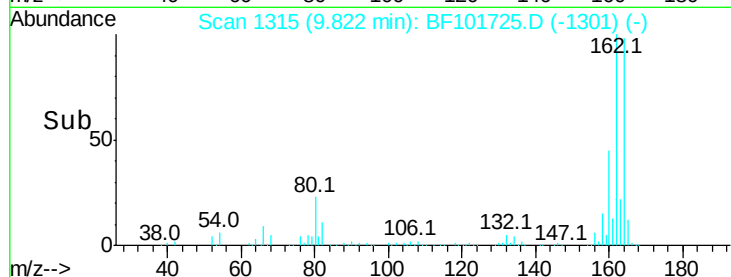
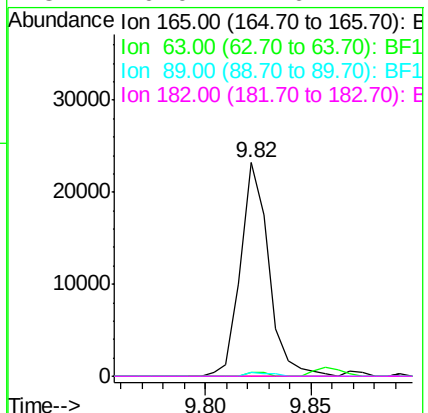
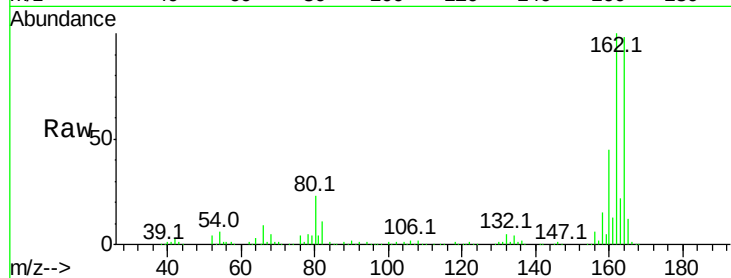




#56
 2,4-Dinitrotoluene
 Concen: 6.958 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

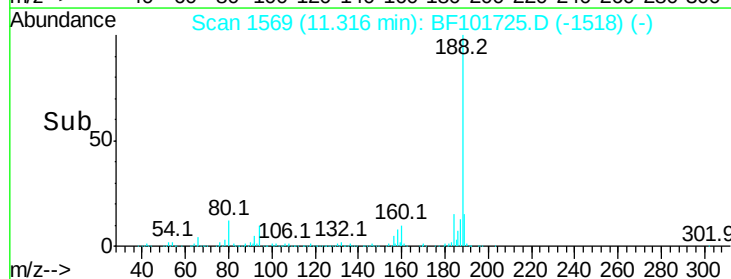
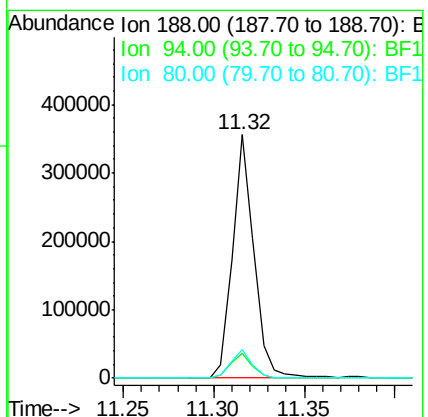
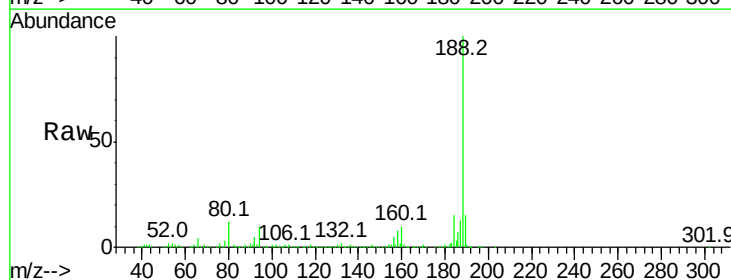
Instrument :
 BNA_F
 ClientSampleId :
 352

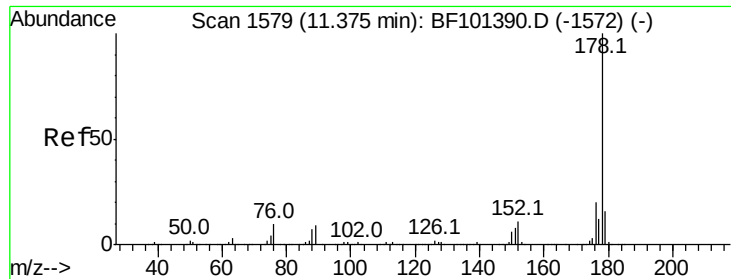
Tot Ion:	165	Resp:	21553
Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Tgt Ion:	188	Resp:	293869
Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	11.9	9.2	13.8





#70

Phenanthrene

Concen: 10.330 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampleId :

352

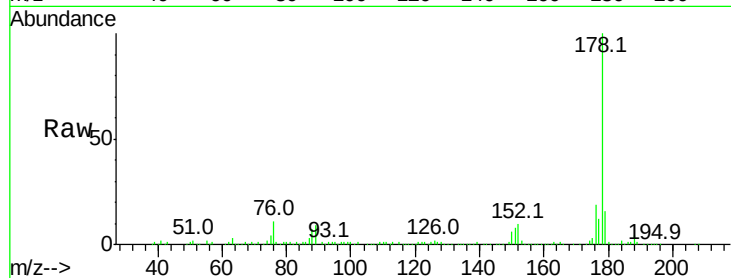
Tot Ion:178 Resp: 168822

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

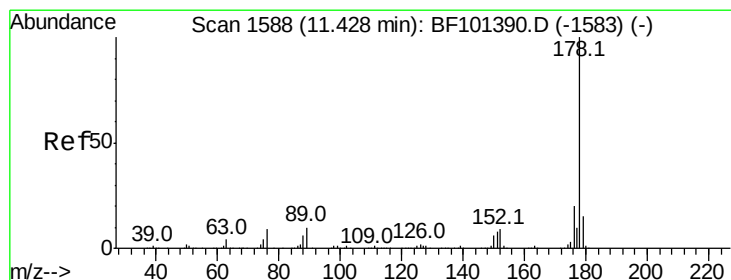
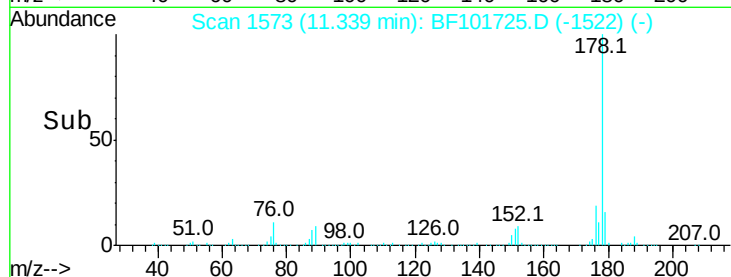
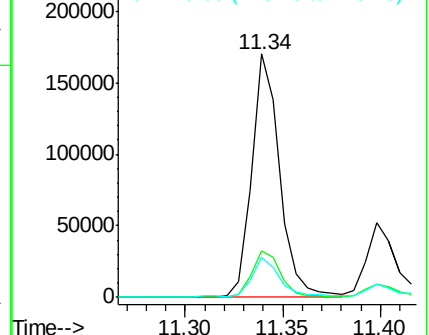
179 16.4 13.0 19.6



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



#71

Anthracene

Concen: 3.105 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

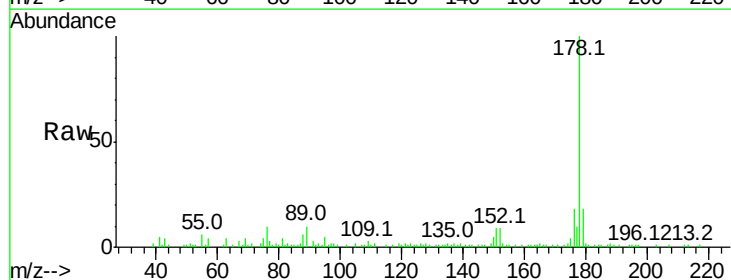
Tgt Ion:178 Resp: 51828

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

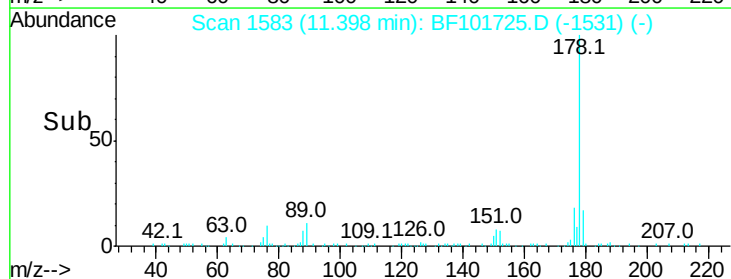
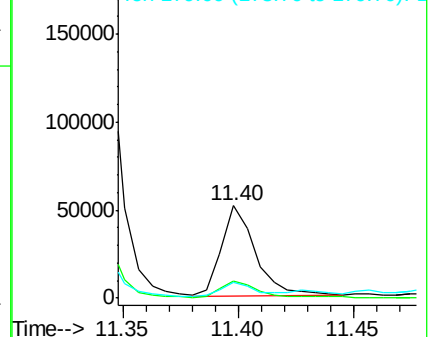
179 17.8 12.6 19.0

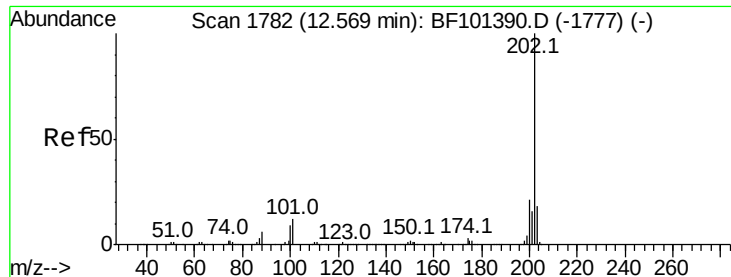


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 24.269 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampled :

352

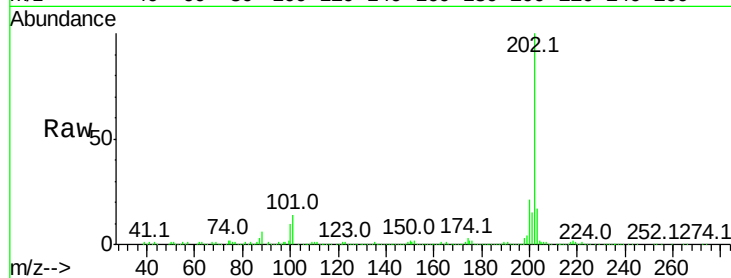
Tot Ion:202 Resp: 416306

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

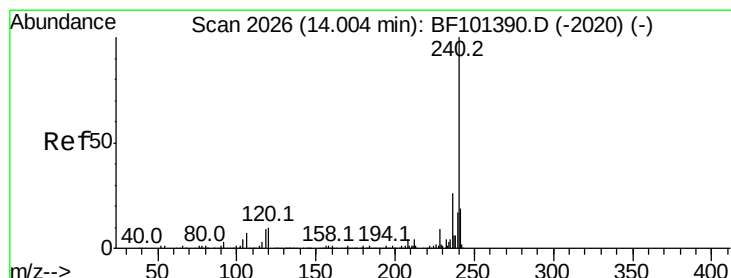
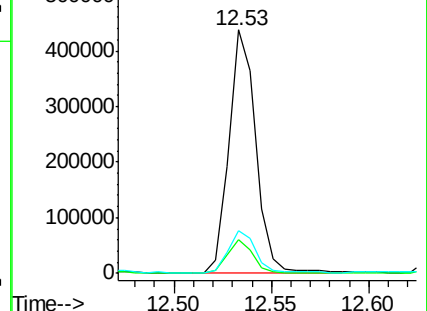
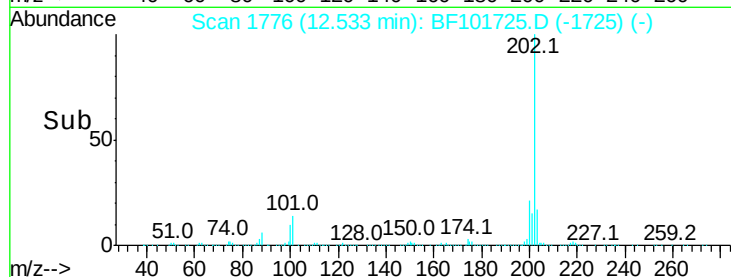
203 17.3 0.0 38.1



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: BF101725.D

Acq: 26 Dec 2017 20:40

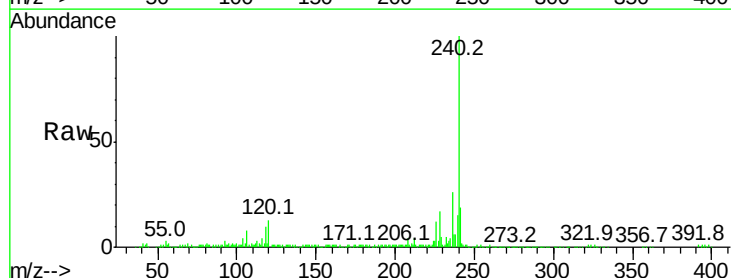
Tgt Ion:240 Resp: 293641

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

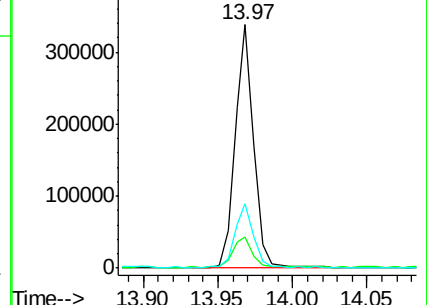
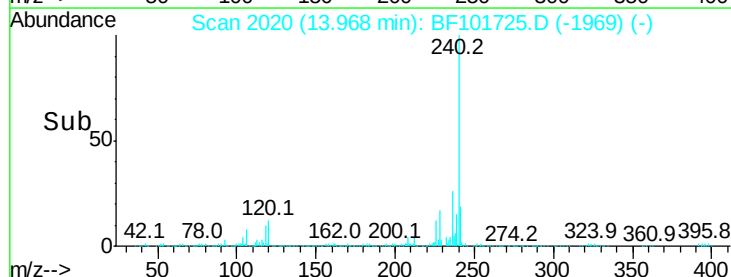
236 26.3 20.7 31.1

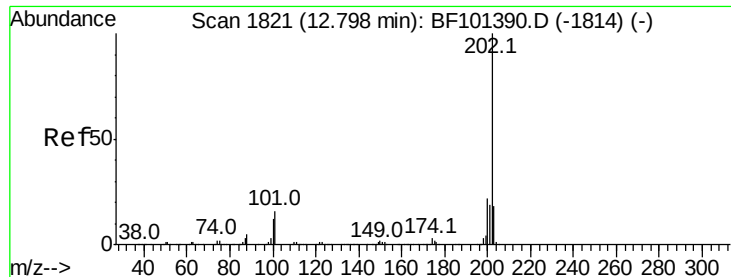


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

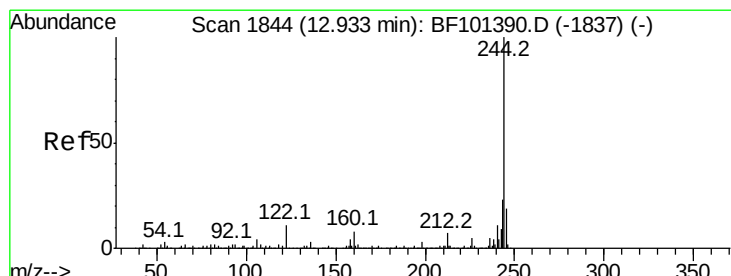
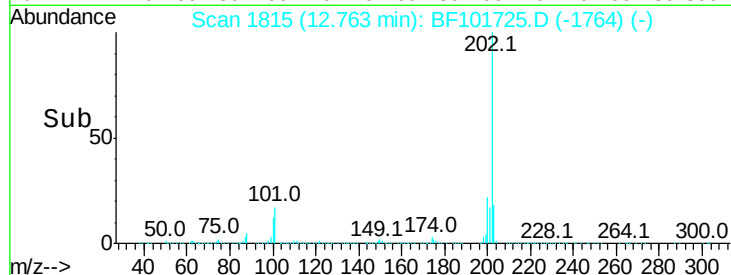
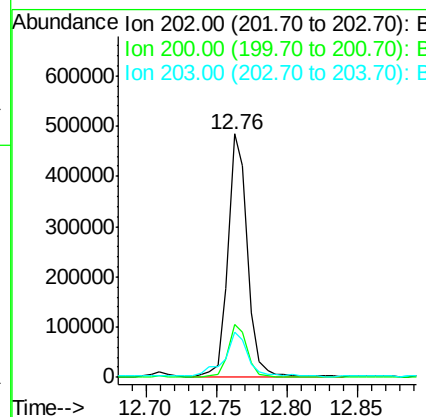
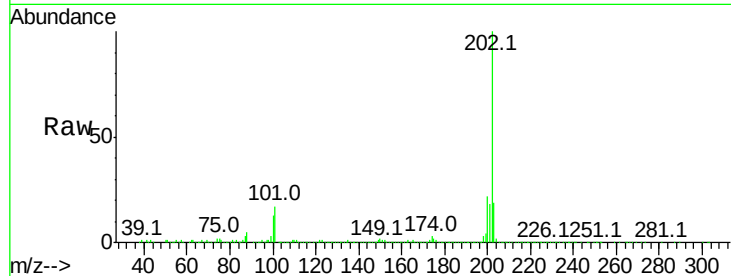




#77
Pvrene
Concen: 20.810 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

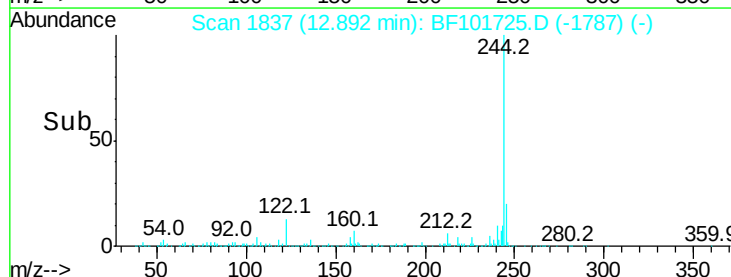
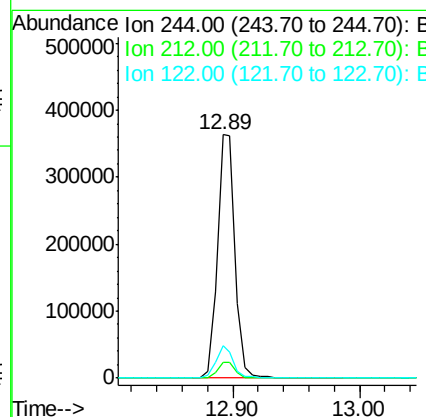
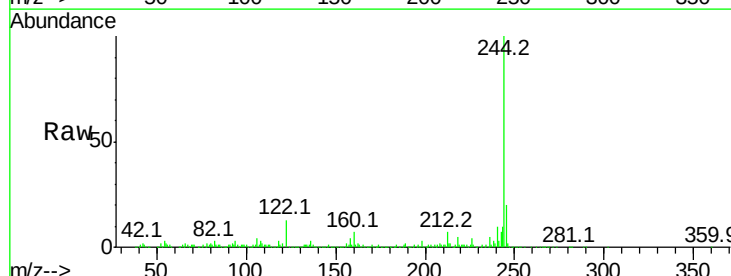
Instrument :
BNA_F
ClientSampleId :
352

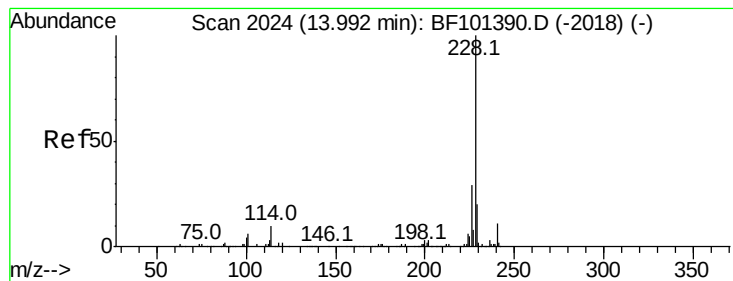
Tot Ion:202 Resp: 458609
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 18.6 14.3 21.5



#78
Terphenyl-d14
Concen: 29.246 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

Tgt Ion:244 Resp: 356224
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 13.5 11.0 16.4





#80

Benzo(a)anthracene

Concen: 14.461 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampleId :

352

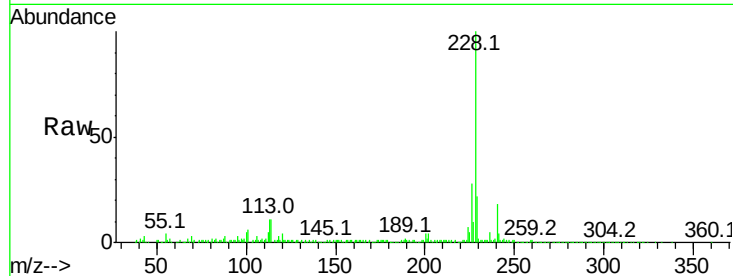
Tot Ion:228 Resp: 280400

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

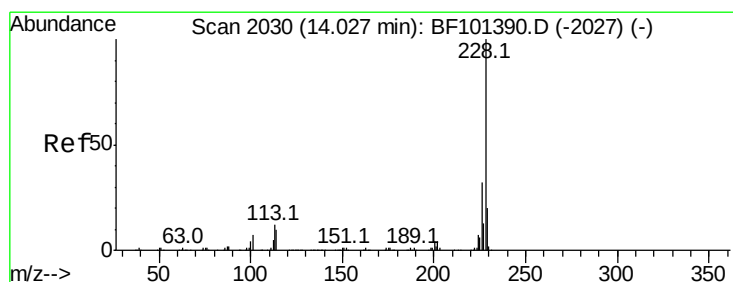
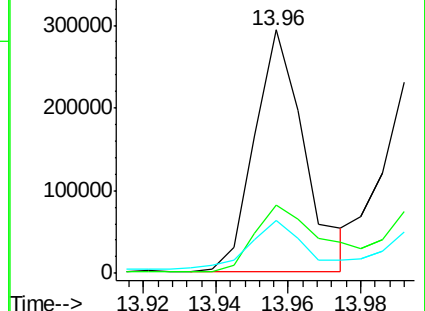
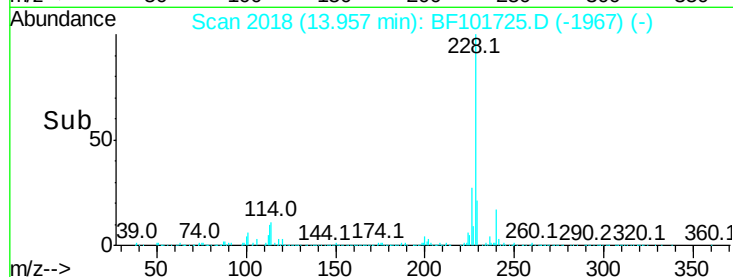
229 21.6 15.8 23.6



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: 14.113 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

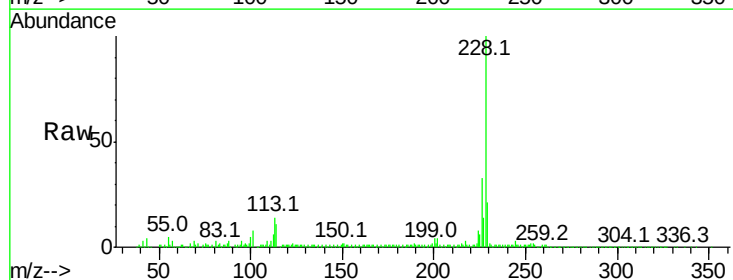
Tgt Ion:228 Resp: 258378

Ion Ratio Lower Upper

228 100

226 32.5 25.0 37.6

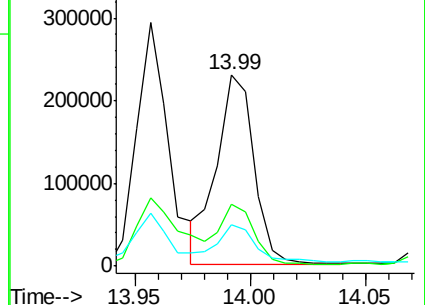
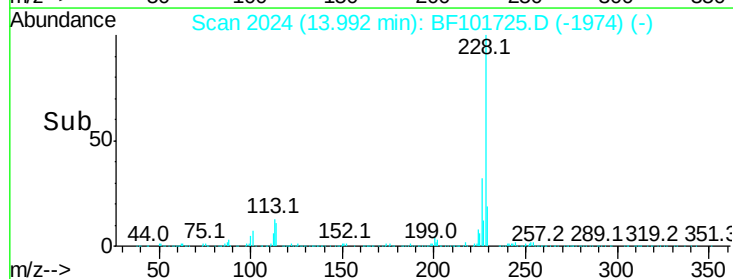
229 21.5 16.2 24.4

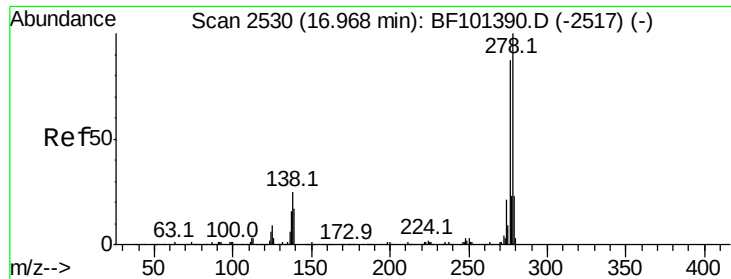


Abundance Ion 228.00 (227.70 to 228.70): E

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: 8.830 ng

RT: 16.93 min Scan# 2523

Delta R.T. 0.02 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampleId :

352

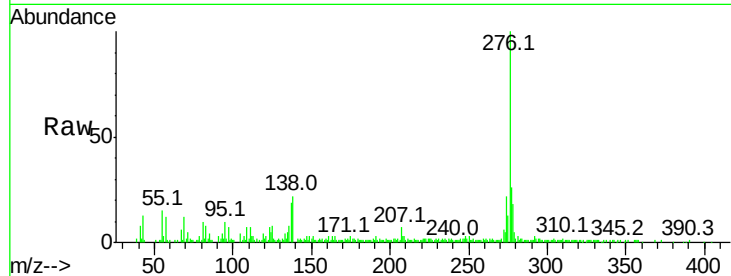
Tot Ion:276 Resp: 143947

Ion Ratio Lower Upper

276 100

138 23.7 25.0 37.6#

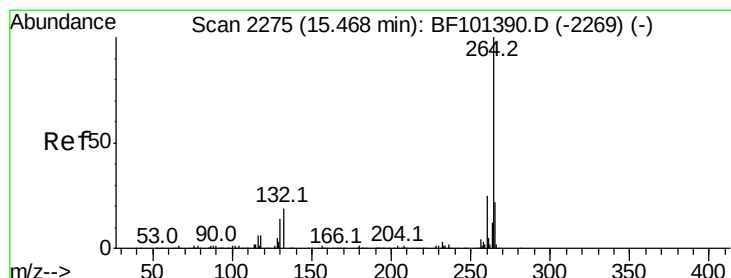
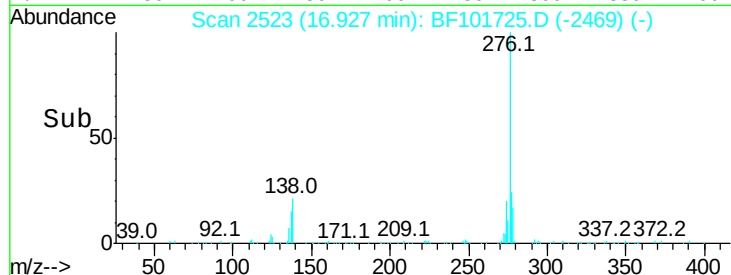
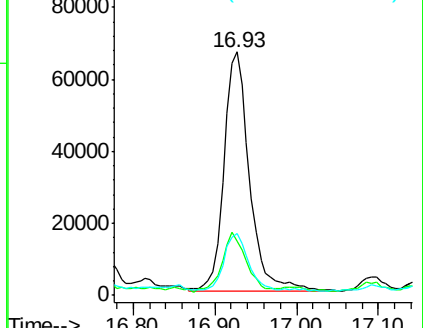
277 22.0 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

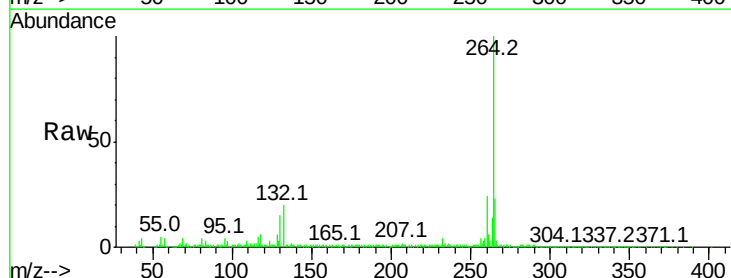
Tgt Ion:264 Resp: 330881

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

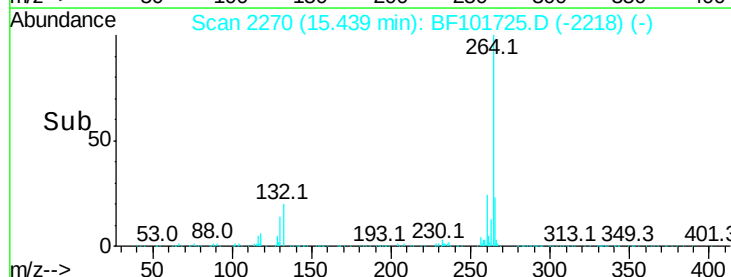
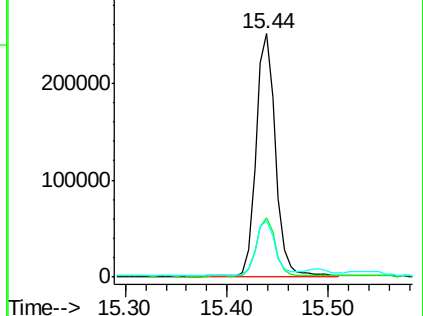
265 23.5 17.5 26.3

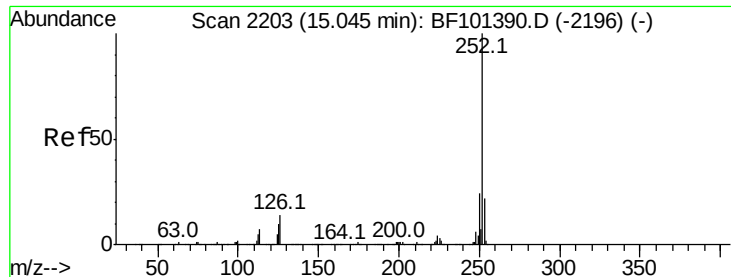


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.634 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampleId :

352

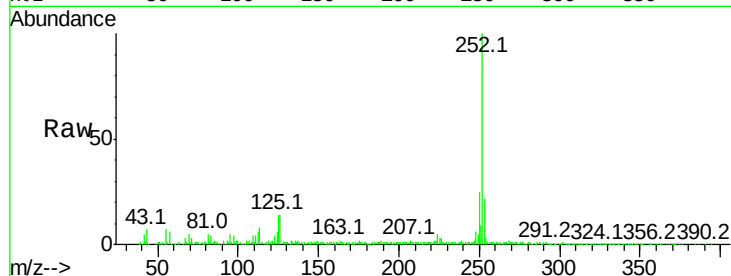
Tot Ion:252 Resp: 416153

Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

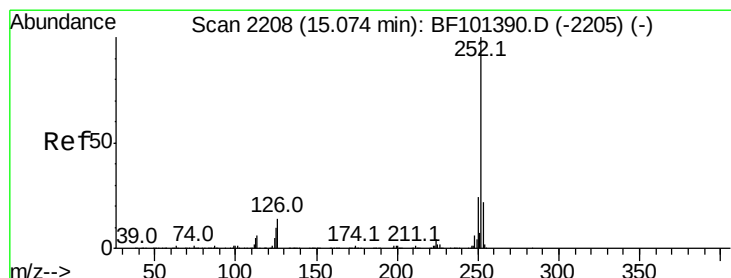
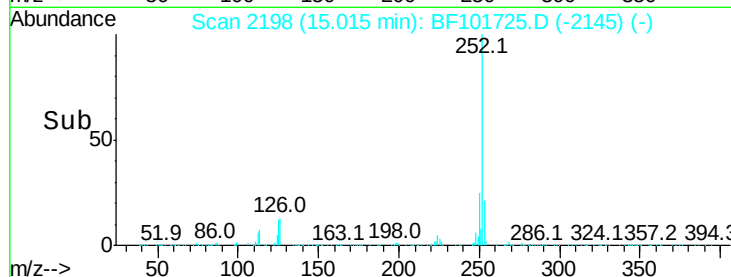
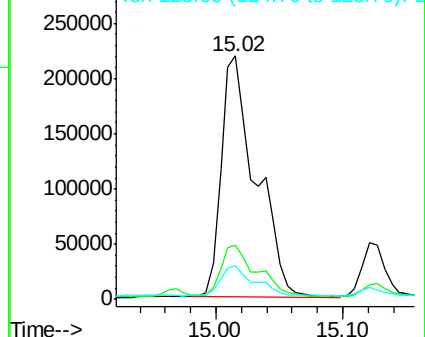
125 13.8 9.0 13.6#



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: 21.223 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

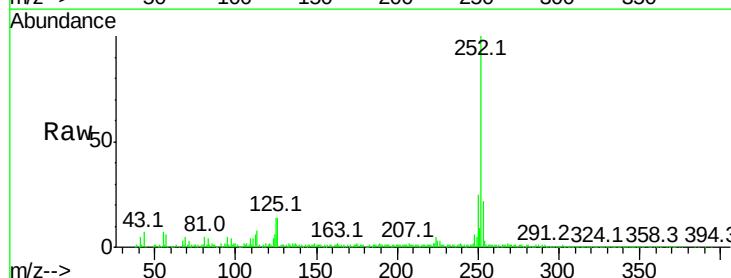
Tgt Ion:252 Resp: 416153

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

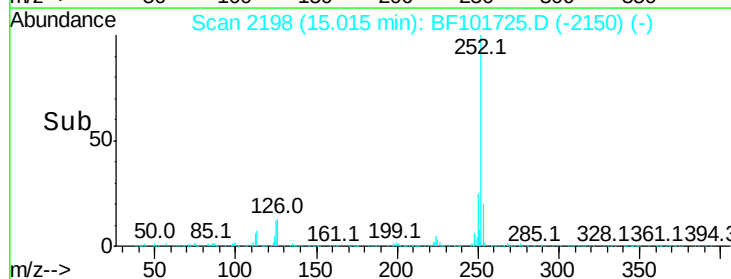
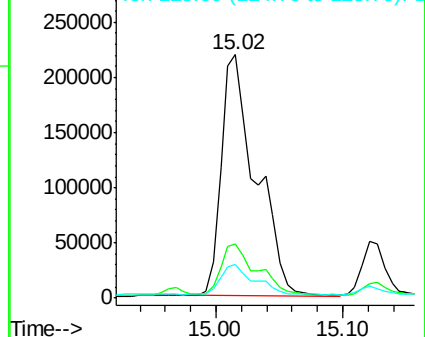
125 13.8 10.2 15.2

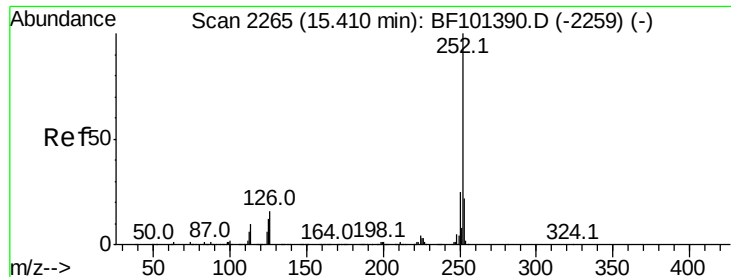


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 13.936 ng

RT: 15.38 min Scan# 2260

Delta R.T. 0.01 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampleId :

352

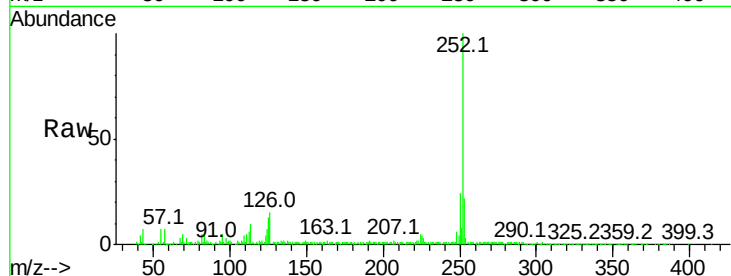
Tot Ion:252 Resp: 259100

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

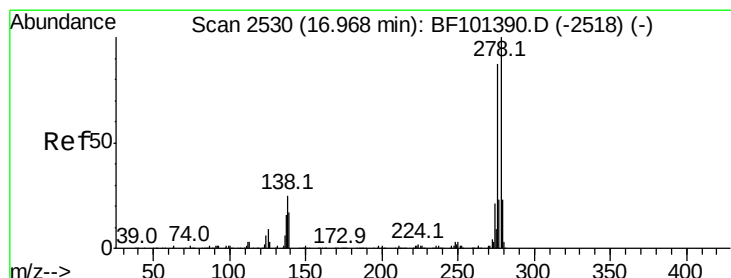
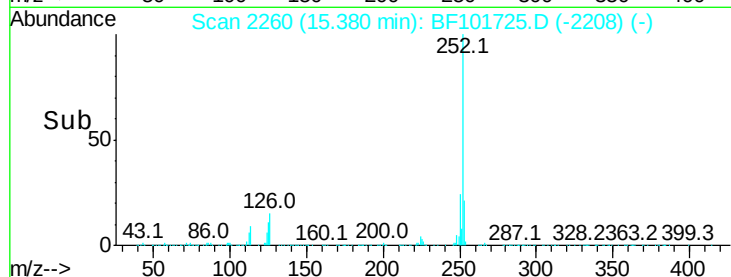
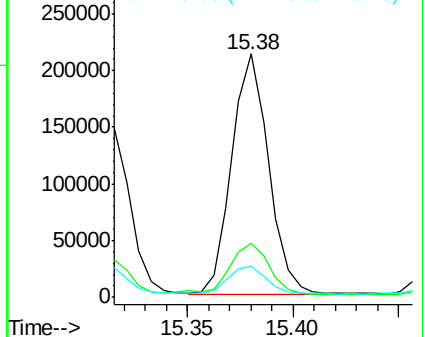
125 13.0 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 2.075 ng

RT: 16.92 min Scan# 2522

Delta R.T. 0.02 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

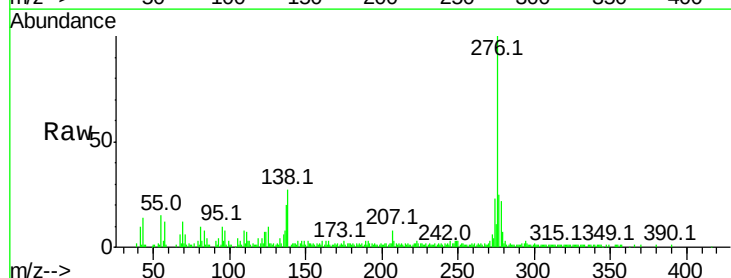
Tgt Ion:278 Resp: 33126

Ion Ratio Lower Upper

278 100

139 0.0 15.9 23.9#

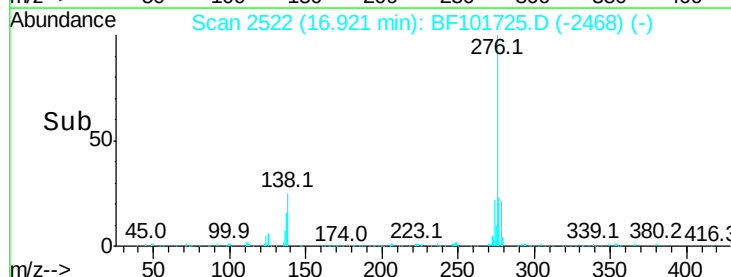
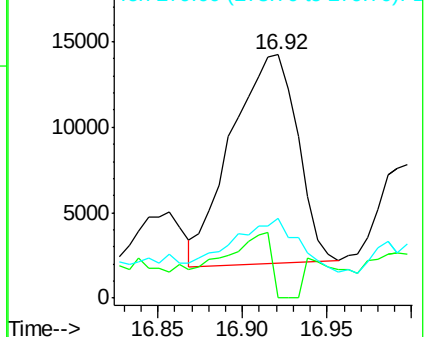
279 32.9 19.0 28.4#

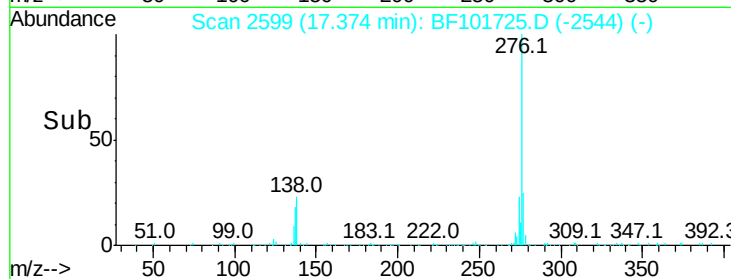
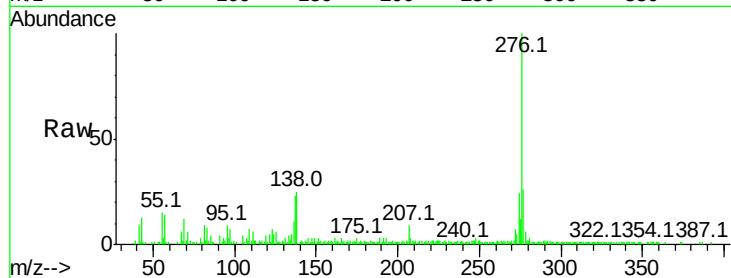
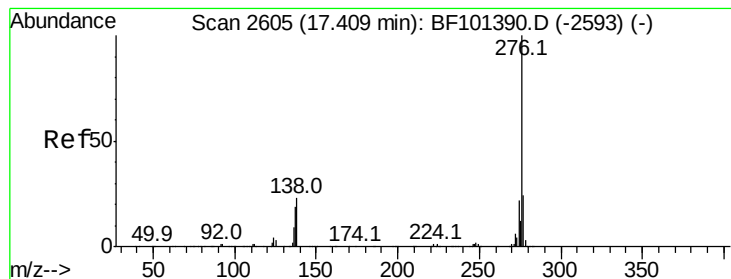


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.572 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.02 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampleId :

352

Tot Ion:276 Resp: 135491

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 25.0 21.8 32.8

