

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101275.D
 Acq On : 9 Dec 2017 10:39
 Operator : SJ/JU
 Sample : I6744-08
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 23:44:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

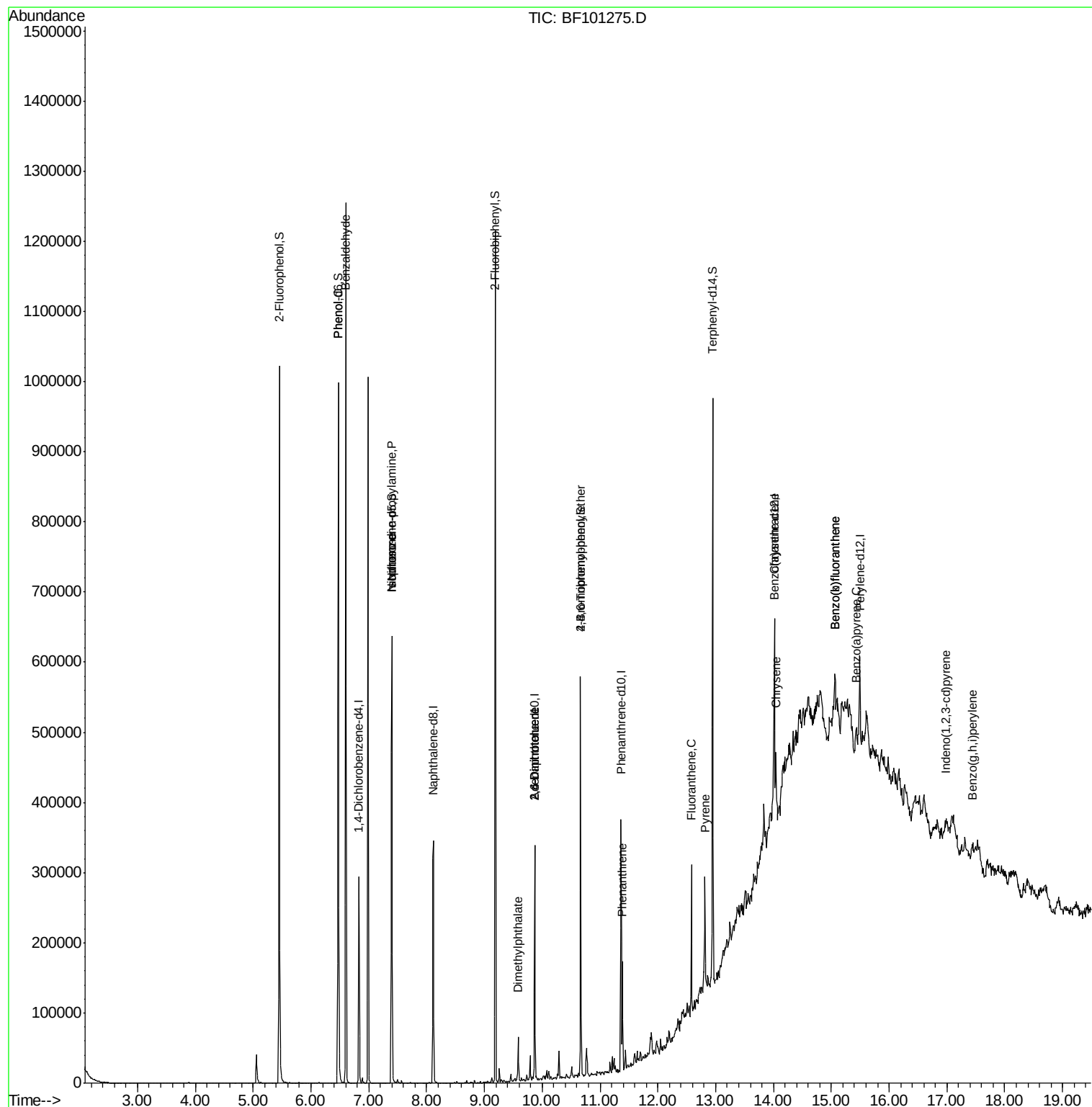
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	45525	20.00	ng	0.01
21) Naphthalene-d8	8.12	136	162994	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	63800	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	116456	20.00	ng	0.00
75) Chrysene-d12	14.02	240	85087	20.00	ng	0.01
86) Perylene-d12	15.50	264	64777	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	307222	111.51	ng	0.01
7) Phenol-d6	6.47	99	358486	107.18	ng	0.01
23) Nitrobenzene-d5	7.40	82	187859	68.75	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	67690	88.32	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	367562	78.82	ng	0.00
78) Terphenyl-d14	12.95	244	305081	78.42	ng	0.01
Target Compounds				Qvalue		
9) Benzaldehyde	6.60	77	6050	2.955	ng	85
10) Phenol	6.48	94	13928	3.745	ng	82
19) n-Nitroso-di-n-propylamine	7.40	70	24529	10.889	ng	# 81
25) Isophorone	7.40	82	187858	40.251	ng	# 64
49) Dimethylphthalate	9.58	163	19049	3.702	ng	# 98
50) 2,6-Dinitrotoluene	9.87	165	8548	7.888	ng	# 24
56) 2,4-Dinitrotoluene	9.87	165	8548	5.886	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	4404	3.379	ng	# 1
70) Phenanthrene	11.39	178	50282	7.840	ng	97
74) Fluoranthene	12.58	202	75158	10.572	ng	95
77) Pyrene	12.81	202	59744	10.176	ng	98
80) Benzo(a)anthracene	14.00	228	24924	4.639	ng	# 91
82) Chrysene	14.04	228	26573	5.326	ng	92
85) Indeno(1,2,3-cd)pyrene	16.98	276	10692	2.410	ng	# 85
87) Benzo(b)fluoranthene	15.06	252	36383	9.377	ng	# 62
88) Benzo(k)fluoranthene	15.06	252	36383	9.518	ng	# 65
89) Benzo(a)pyrene	15.43	252	13663	3.873	ng	# 58
91) Benzo(g,h,i)perylene	17.44	276	10564	3.605	ng	# 86

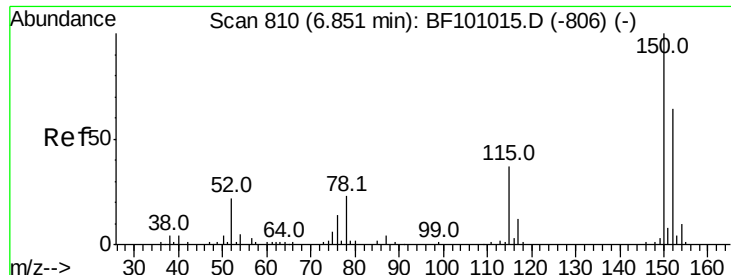
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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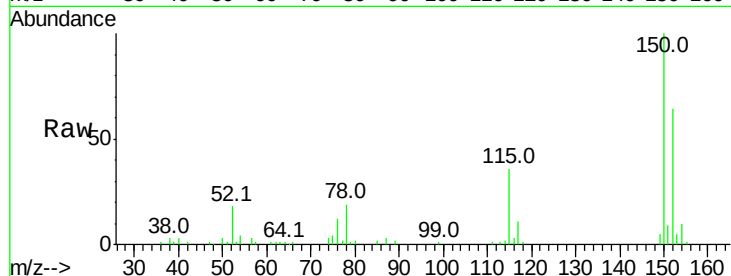


#1

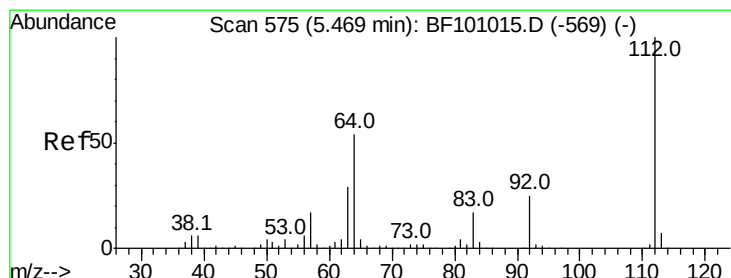
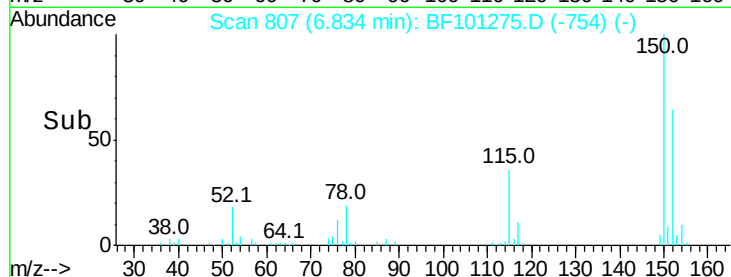
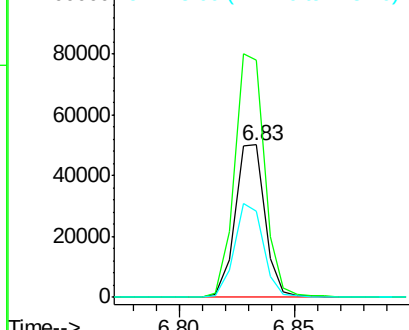
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 45525
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 56.3 50.1 75.1



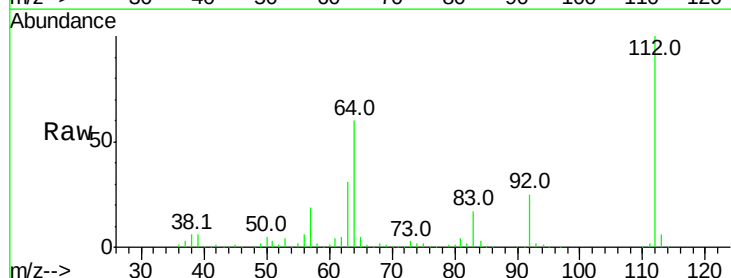
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



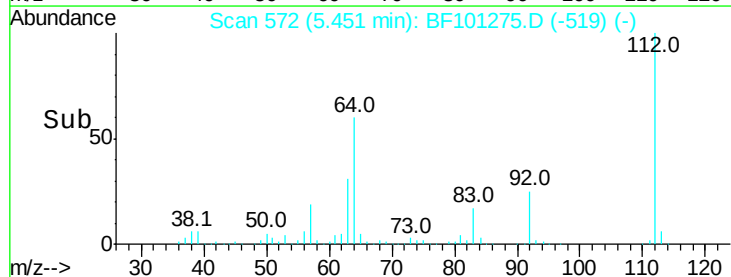
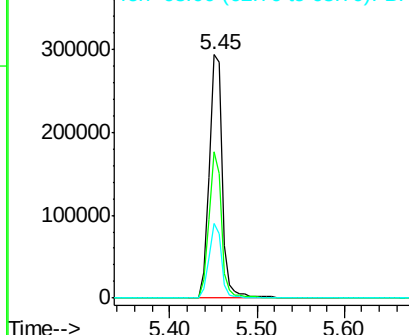
#5

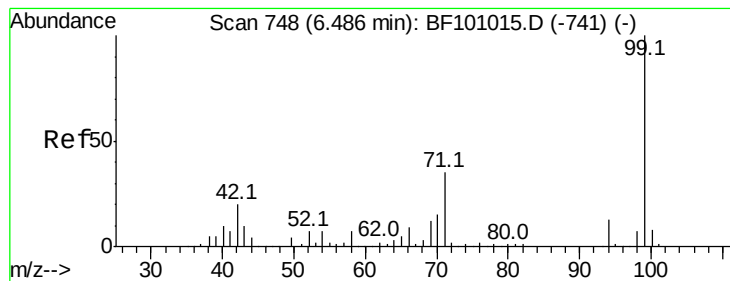
2-Fluorophenol
Concen: 111.514 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion:112 Resp: 307222
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 30.7 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: 107.175 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Instrument :

BNA_F

ClientSampled :

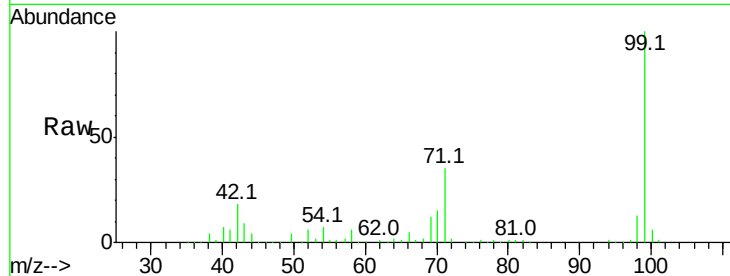
Tot Ion: 99 Resp: 358486

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

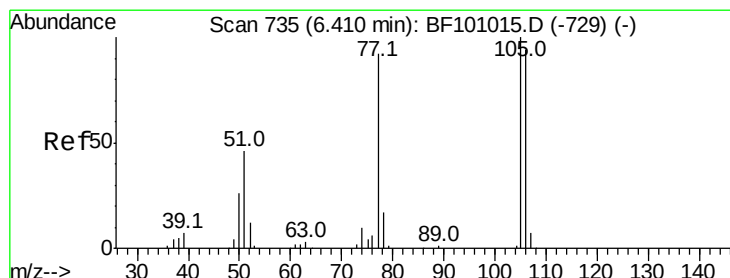
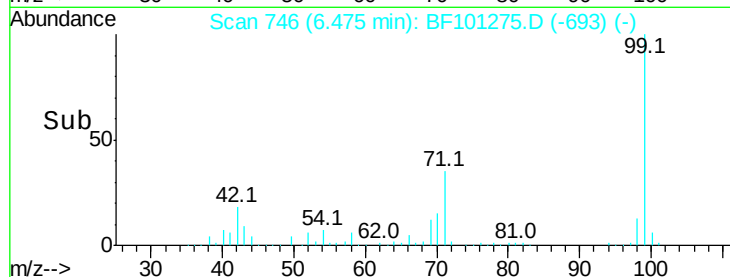
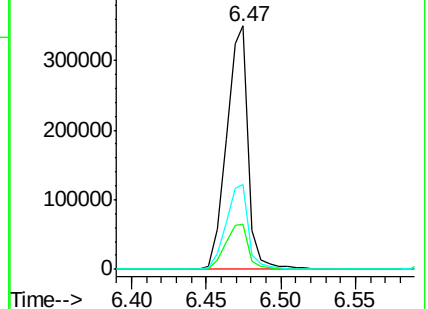
71 34.7 25.4 38.0



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: 2.955 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

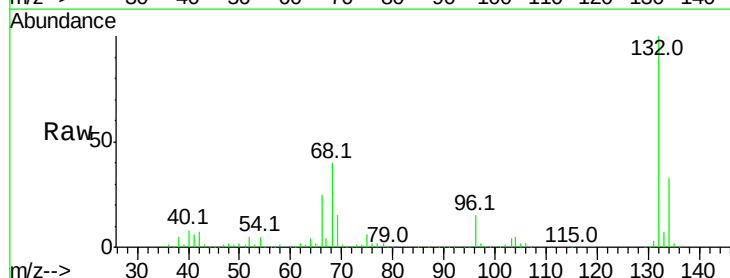
Tgt Ion: 77 Resp: 6050

Ion Ratio Lower Upper

77 100

105 84.5 81.1 121.1

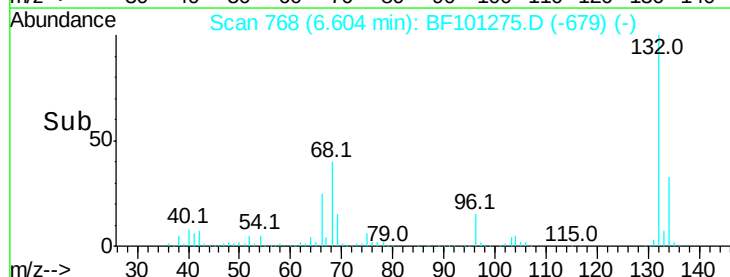
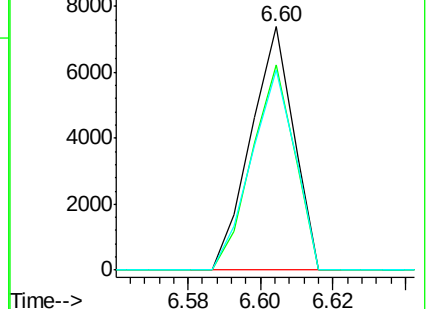
106 82.2 74.5 114.5

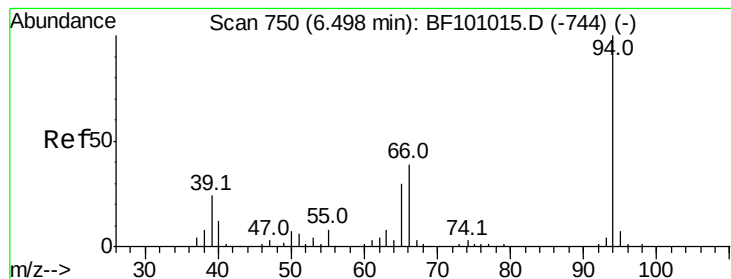


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.745 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

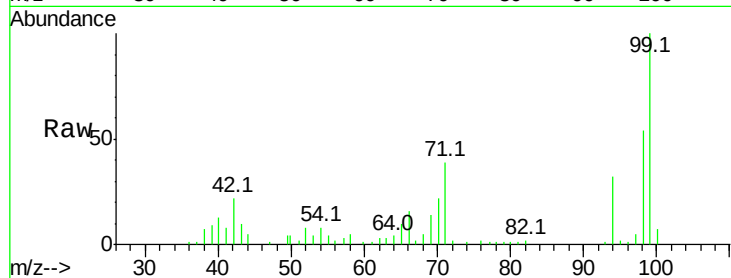
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 13928

Ion	Ratio	Lower	Upper
94	100		
65	32.5	7.9	47.9
66	51.0	16.2	56.2

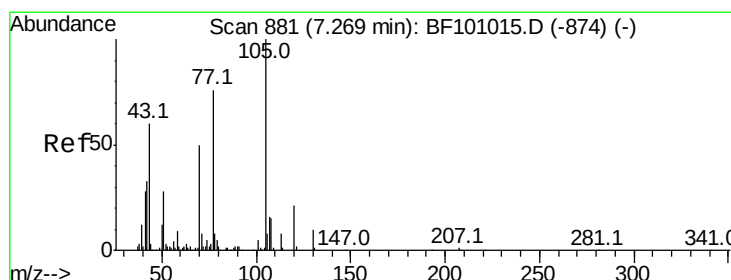
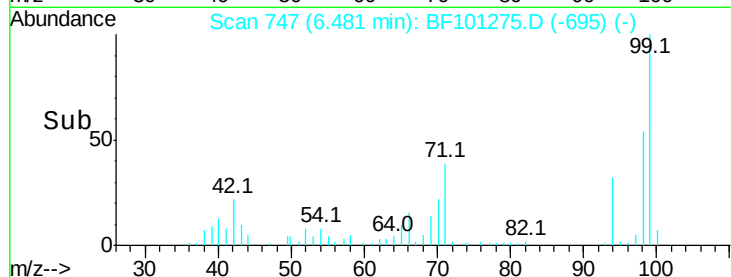
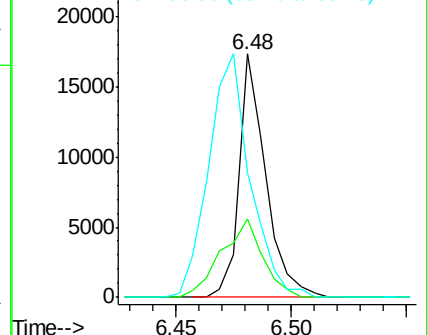


Abundance

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: 10.889 ng

RT: 7.40 min Scan# 903

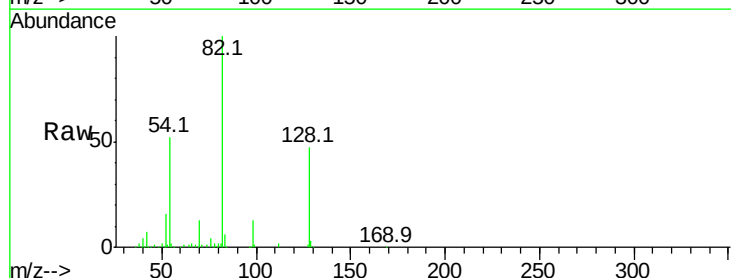
Delta R.T. 0.16 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Tgt Ion: 70 Resp: 24529

Ion	Ratio	Lower	Upper
70	100		
42	51.9	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



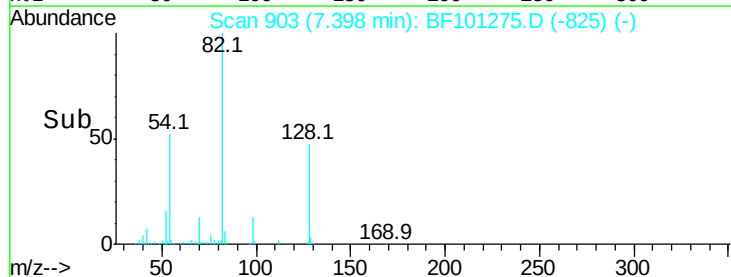
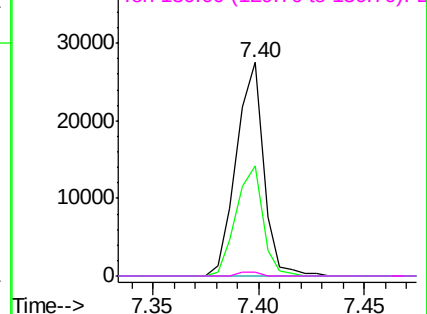
Abundance

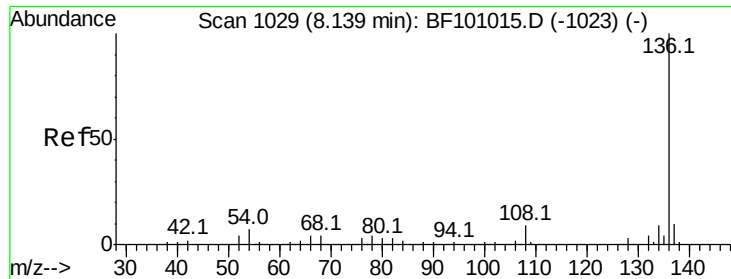
Ion 70.00 (69.70 to 70.70): BF1

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

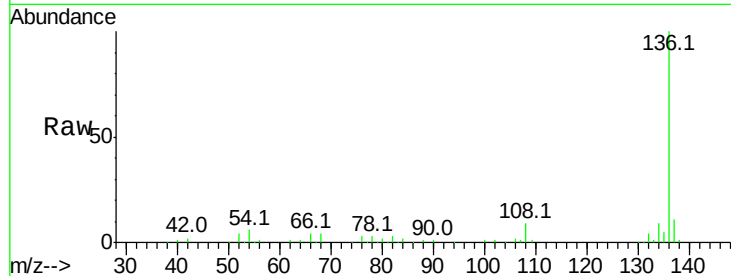




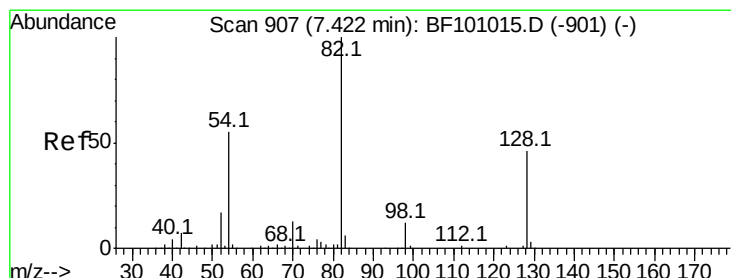
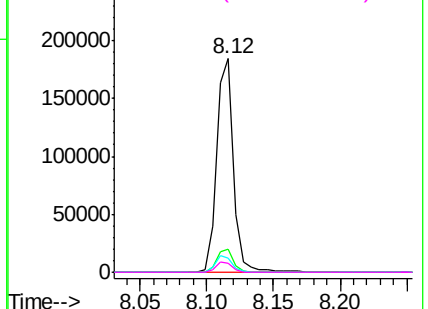
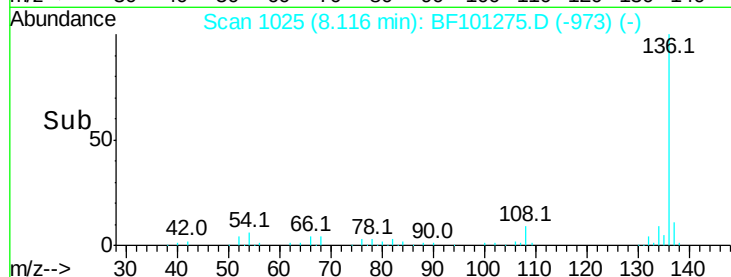
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	162994
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.4	6.6	9.8#
68	3.9	5.0	7.4#

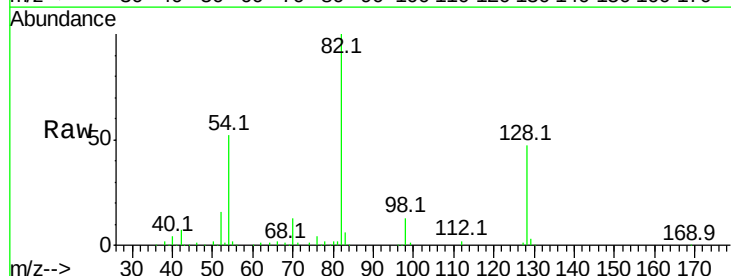


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

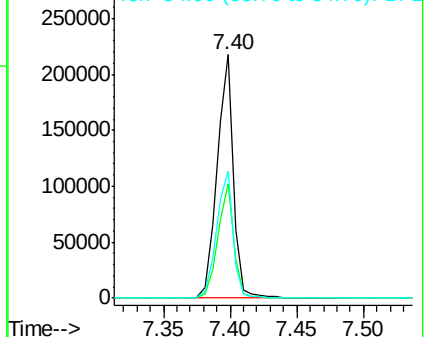
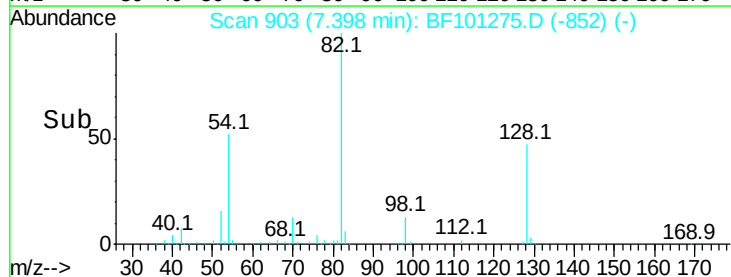


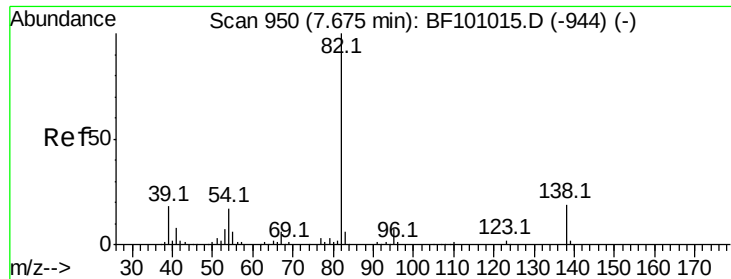
#23
Nitrobenzene-d5
Concen: 68.753 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion:	82	Resp:	187859
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	52.3	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: 40.251 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.25 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Instrument :

BNA_F

ClientSampled :

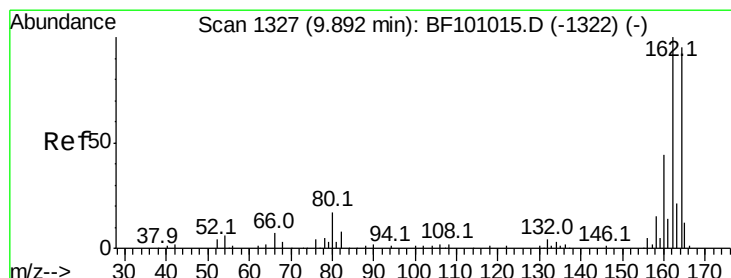
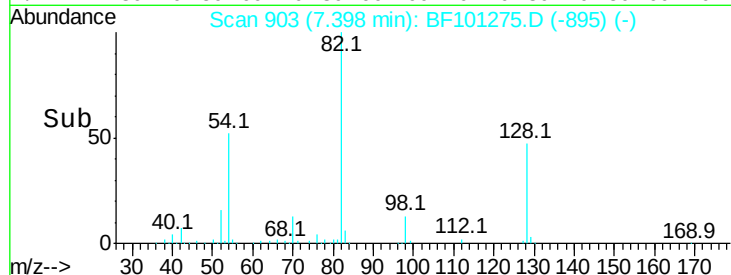
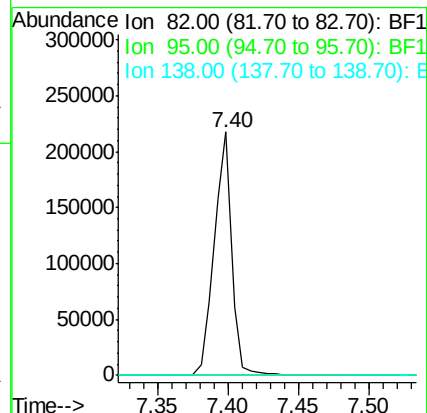
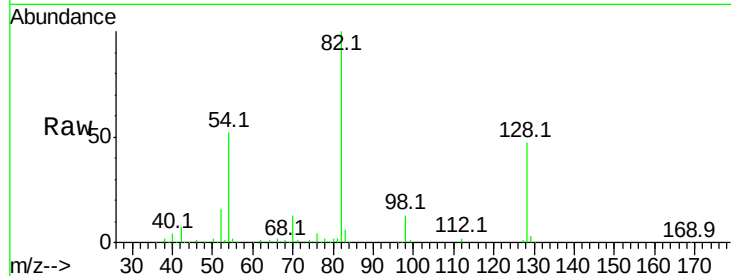
Tot Ion: 82 Resp: 187858

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: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

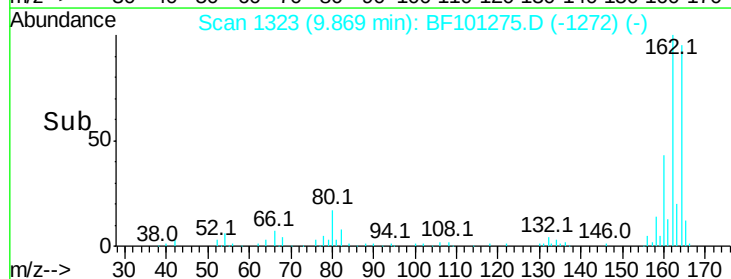
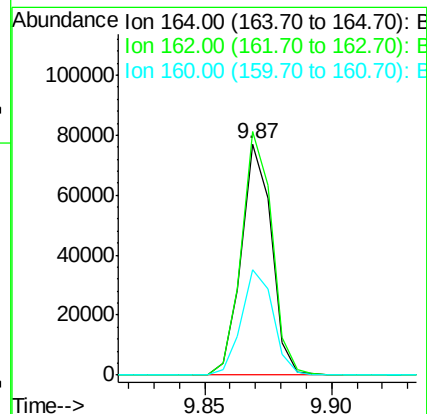
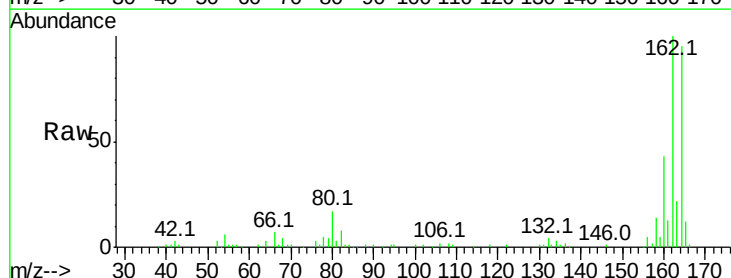
Tgt Ion:164 Resp: 63800

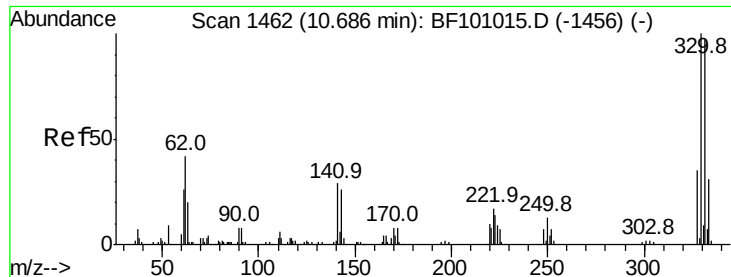
Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

160 45.5 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 88.320 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Instrument :

BNA_F

ClientSampleId :

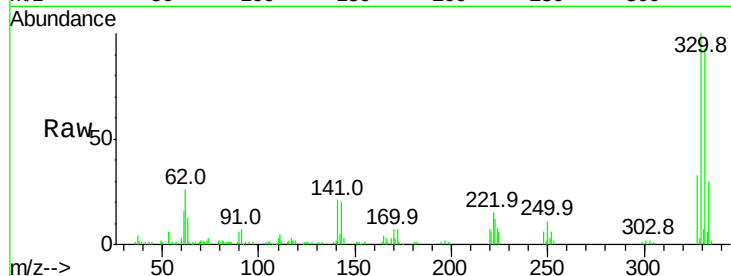
Tot Ion:330 Resp: 67690

Ion Ratio Lower Upper

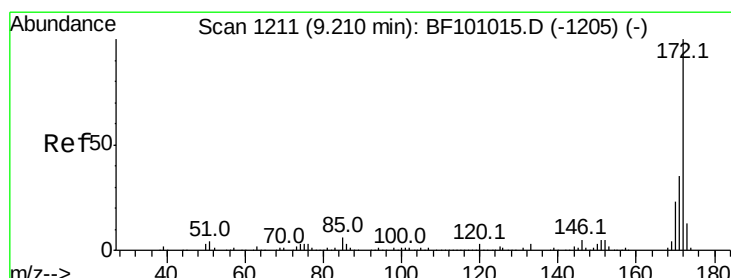
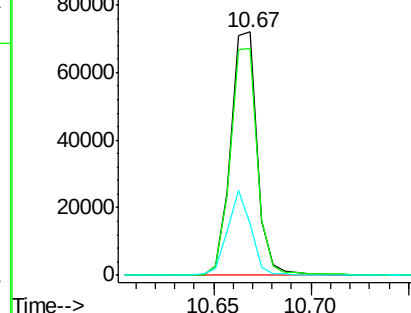
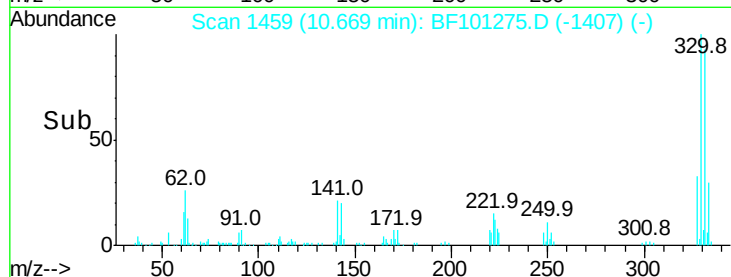
330 100

332 95.1 77.0 115.6

141 30.8 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: 78.824 ng

RT: 9.19 min Scan# 1207

Delta R.T. 0.00 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

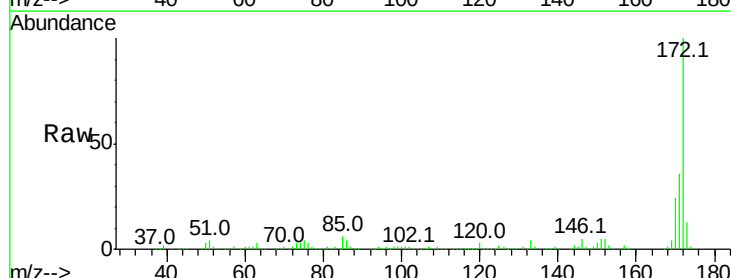
Tgt Ion:172 Resp: 367562

Ion Ratio Lower Upper

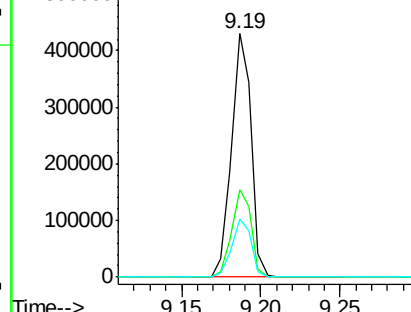
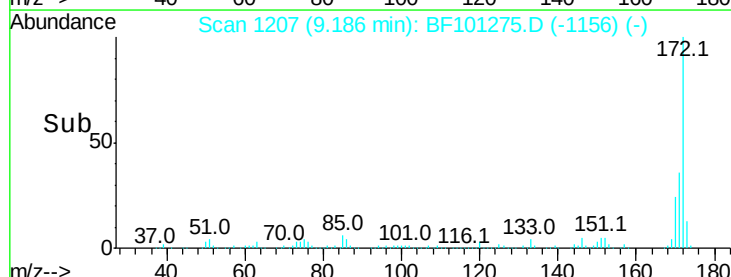
172 100

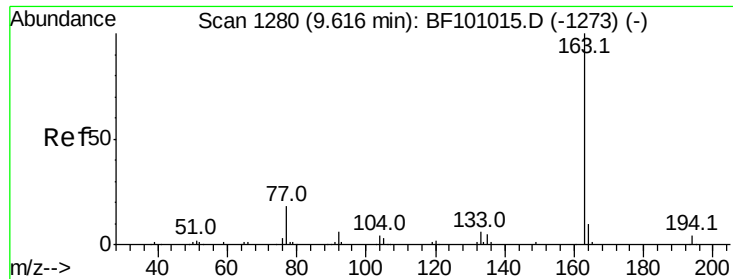
171 35.7 29.7 44.5

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

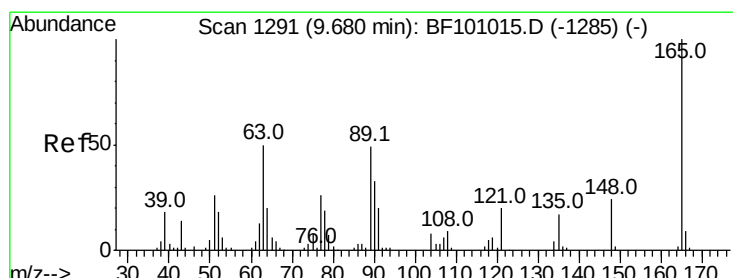
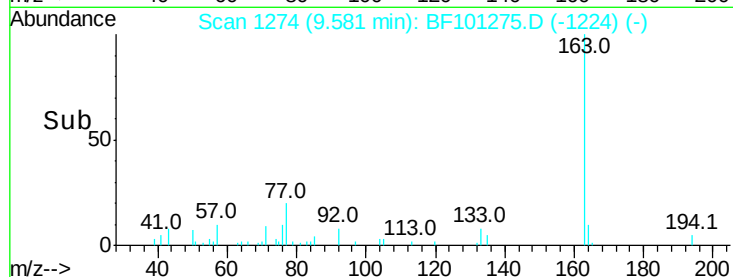
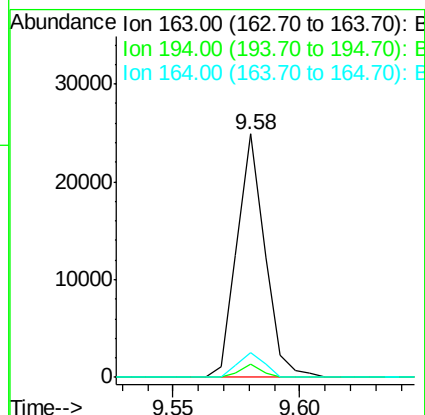
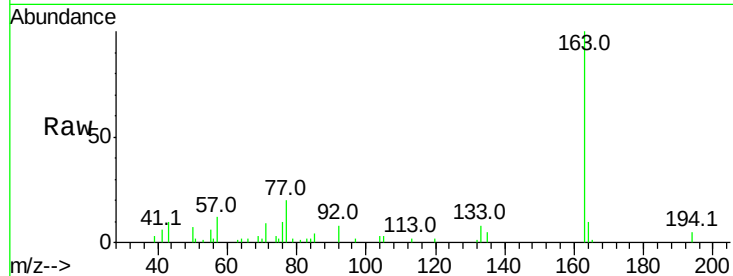




#49
Dimethylphthalate
Concen: 3.702 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

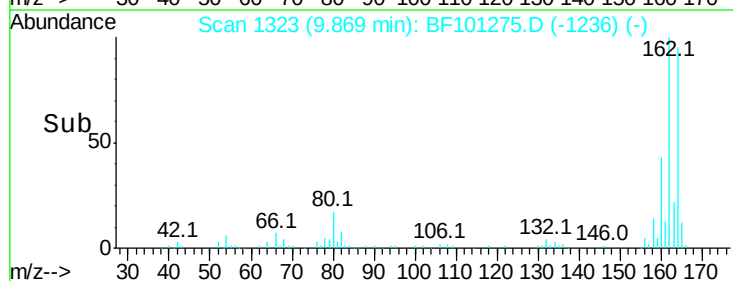
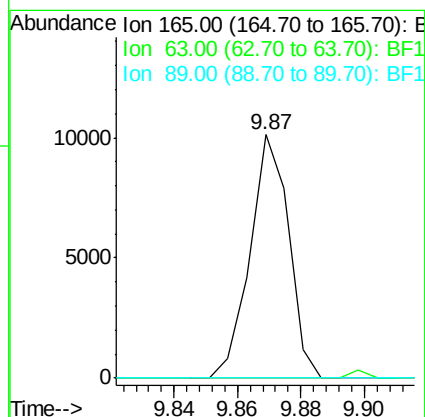
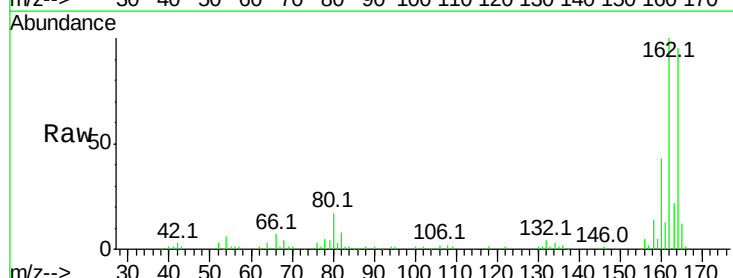
Instrument :
BNA_F
ClientSampleId :

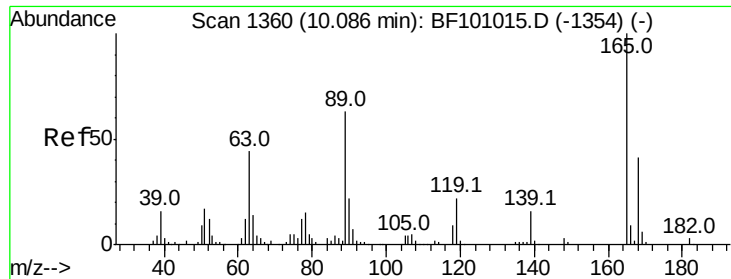
Tot Ion:163 Resp: 19049
Ion Ratio Lower Upper
163 100
194 5.4 2.7 4.1#
164 10.1 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.888 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.21 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion:165 Resp: 8548
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

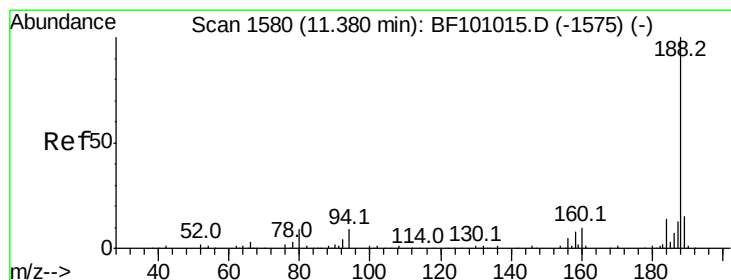
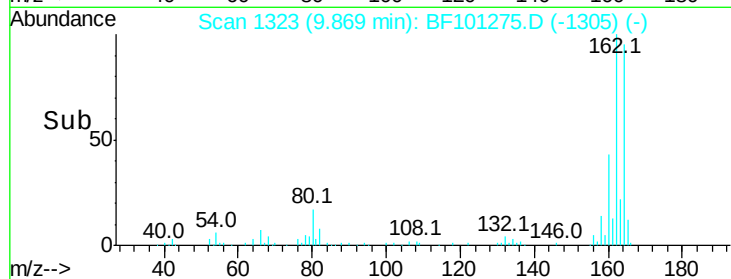
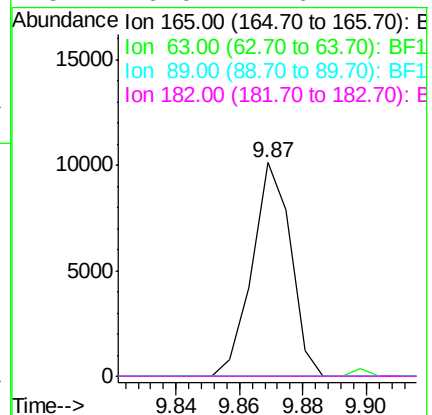
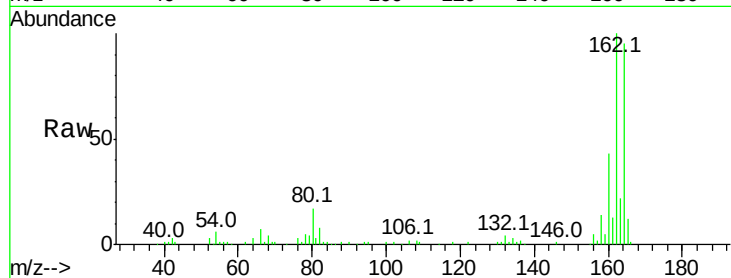




#56
 2,4-Dinitrotoluene
 Concen: 5.886 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF101275.D
 Acq: 9 Dec 2017 10:39

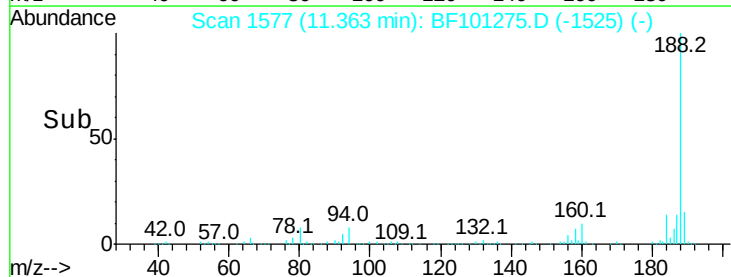
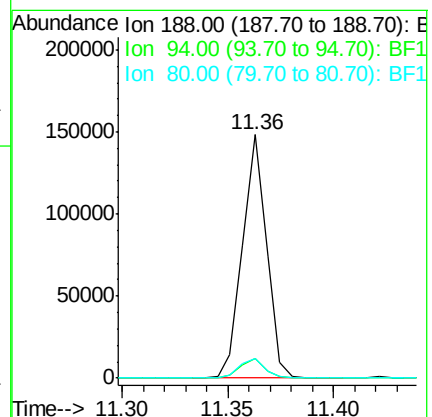
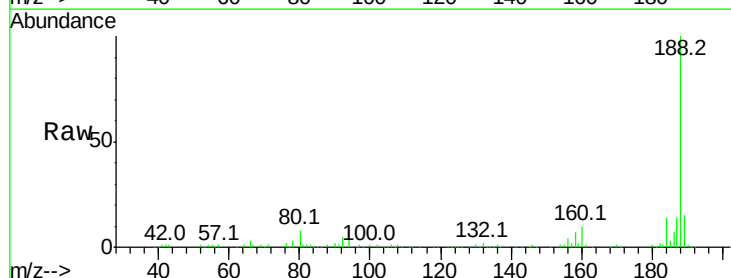
Instrument :
 BNA_F
 ClientSampleId :

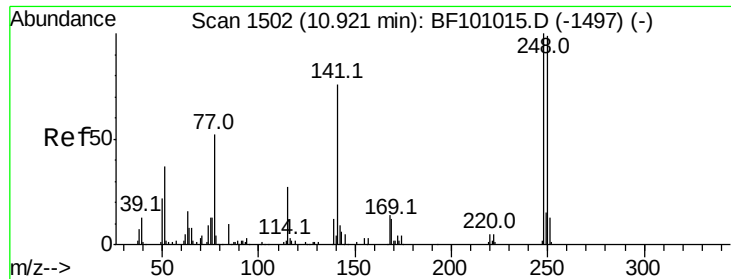
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: BF101275.D
 Acq: 9 Dec 2017 10:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	8.1	9.2	13.8#

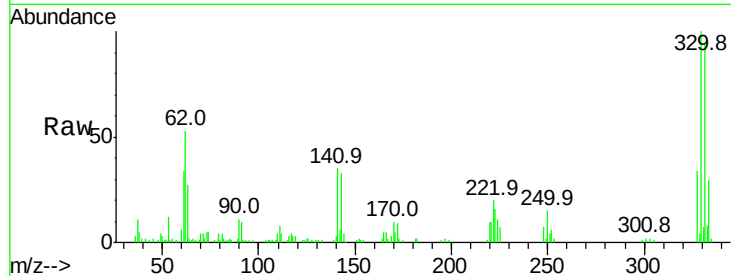




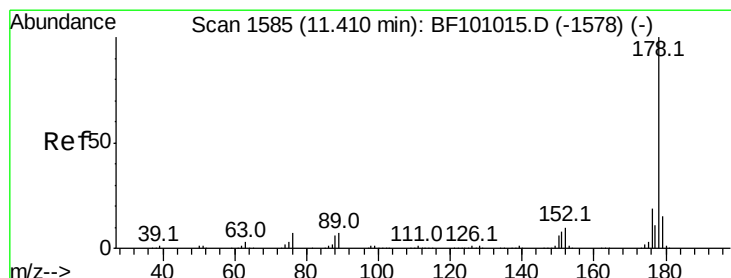
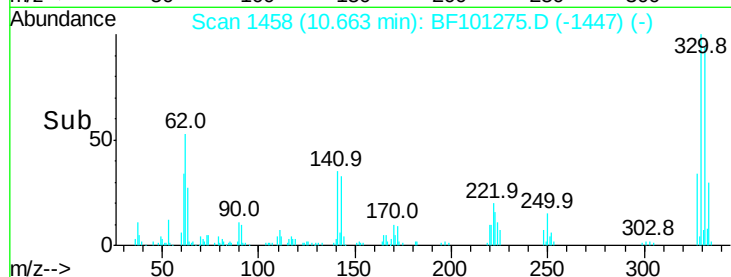
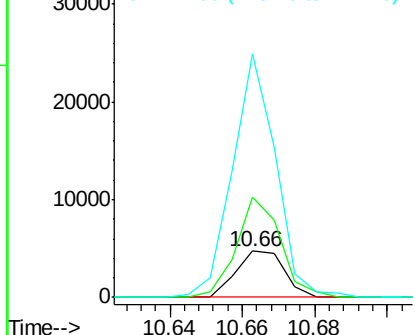
#66
4-Bromophenyl-phenylether
Concen: 3.379 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.24 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 4404
Ion Ratio Lower Upper
248 100
250 217.8 76.9 115.3#
141 526.6 74.4 111.6#

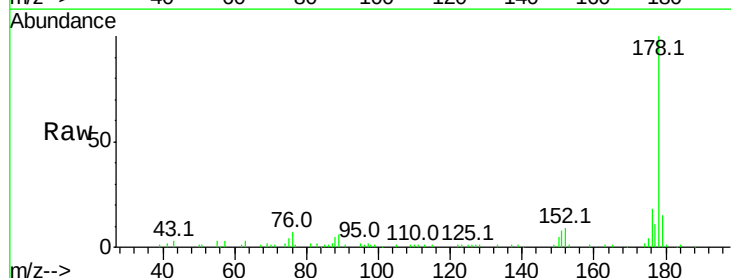


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

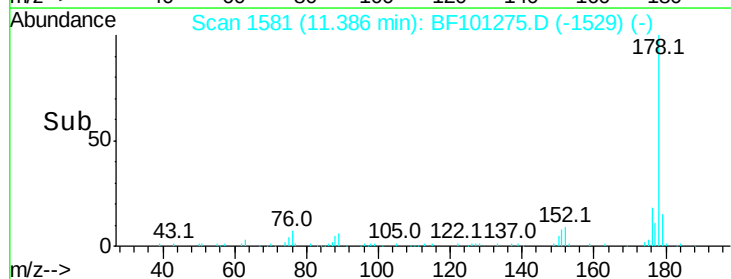
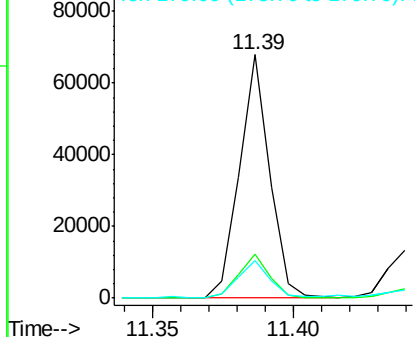


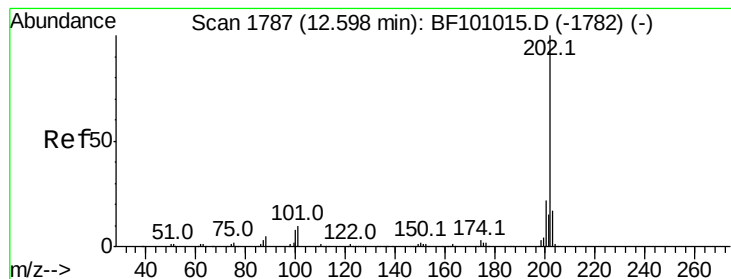
#70
Phenanthrene
Concen: 7.840 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion:178 Resp: 50282
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 15.3 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: 10.572 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Instrument :

BNA_F

ClientSampleId :

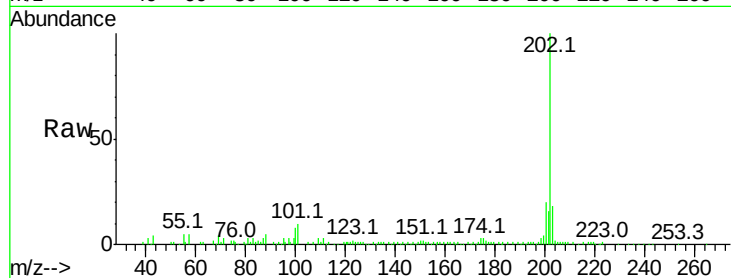
Tot Ion:202 Resp: 75158

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.1

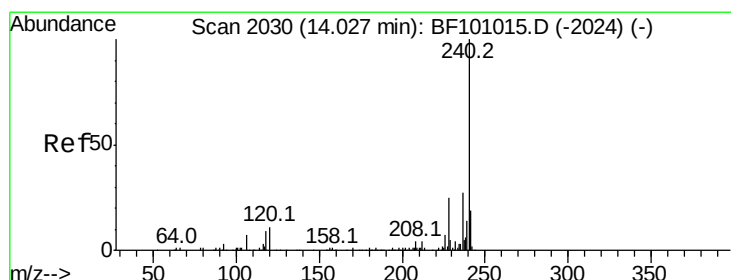
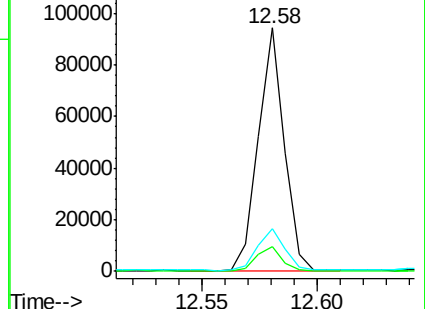
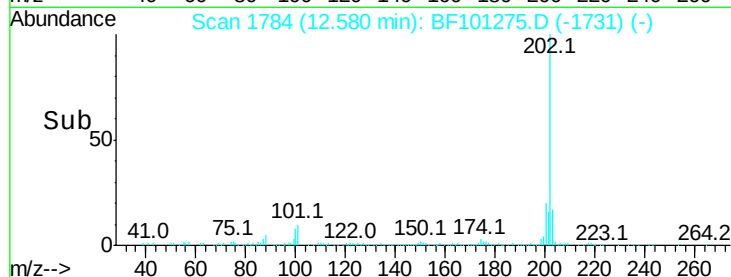
203 17.6 0.0 38.1



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: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

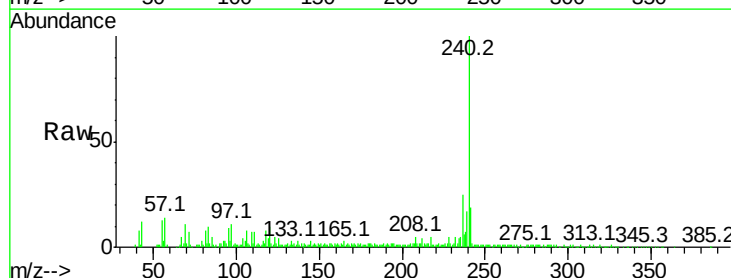
Tgt Ion:240 Resp: 85087

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

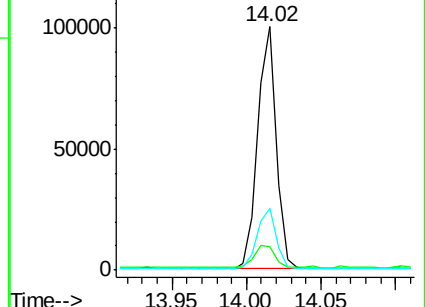
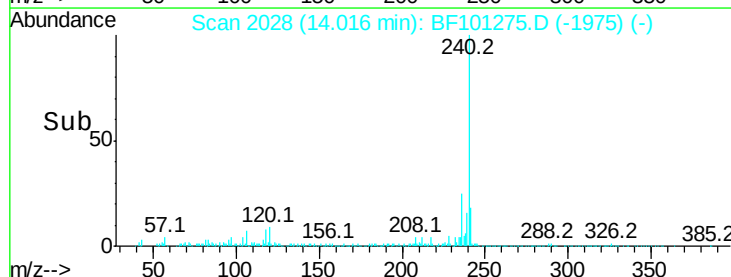
236 25.4 20.7 31.1

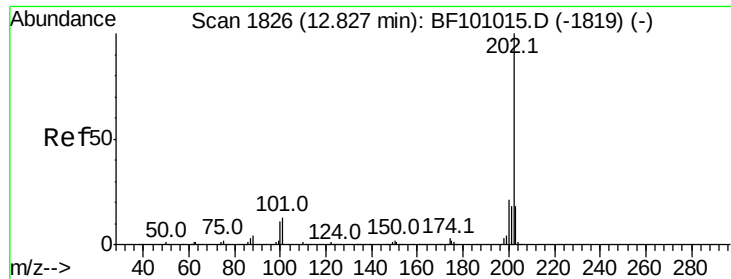


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.176 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Instrument :

BNA_F

ClientSampleId :

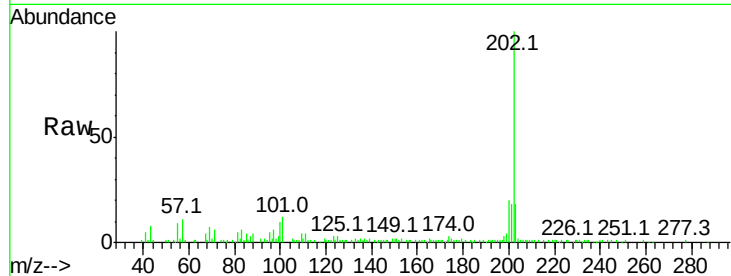
Tot Ion:202 Resp: 59744

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

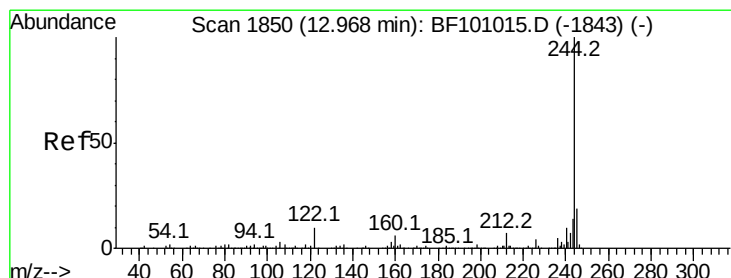
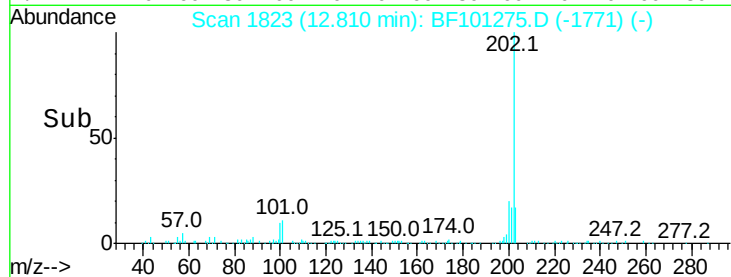
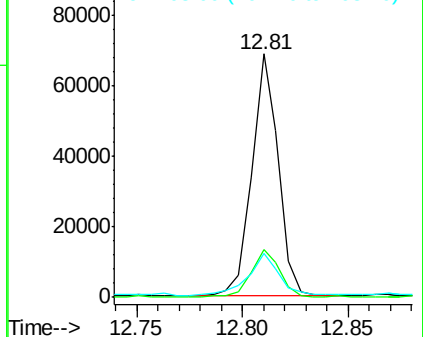
203 18.0 14.3 21.5



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: 78.425 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

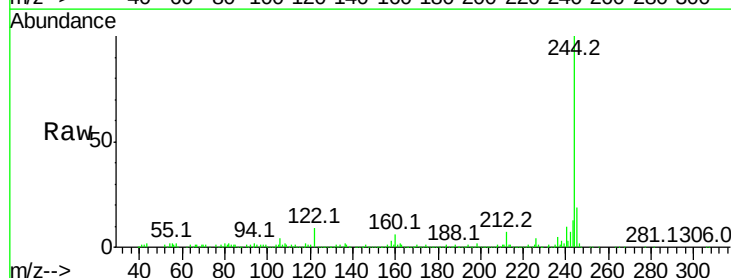
Tgt Ion:244 Resp: 305081

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

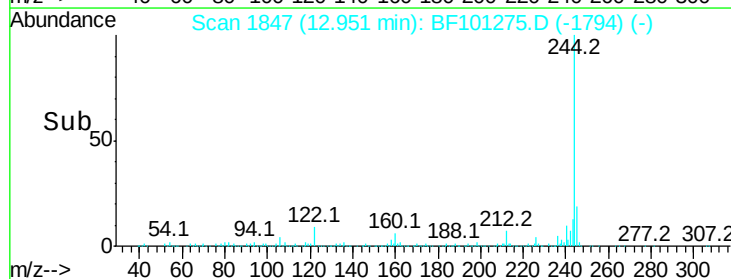
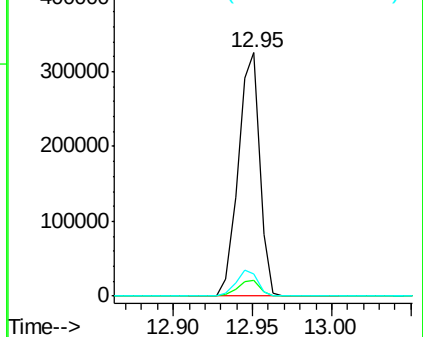
122 9.3 11.0 16.4#

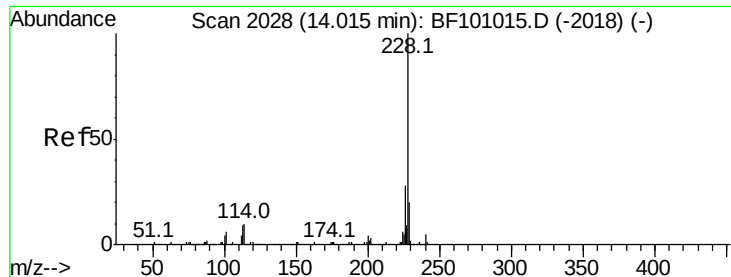


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

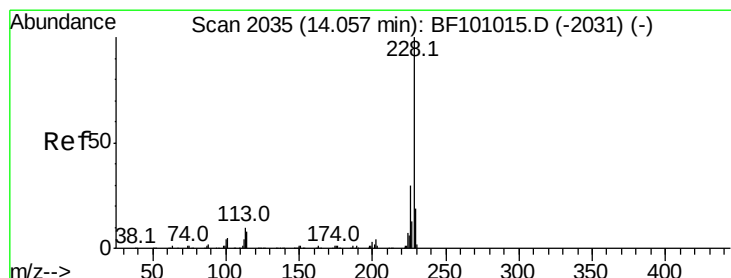
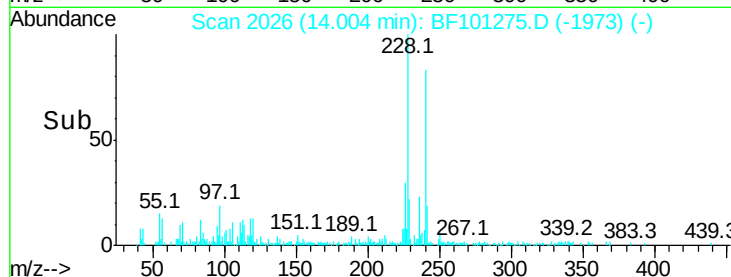
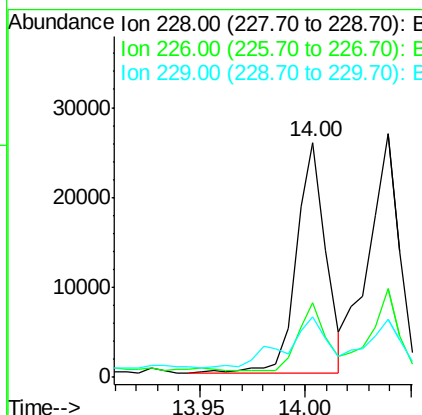
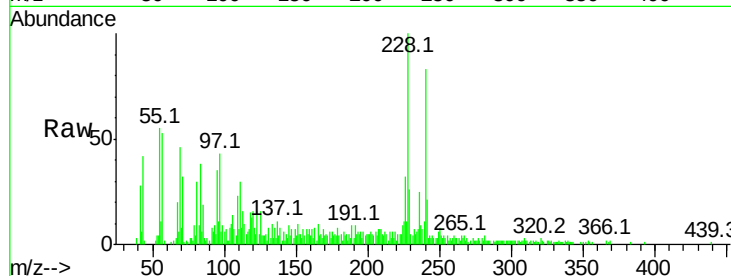




#80
Benzo(a)anthracene
Concen: 4.639 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

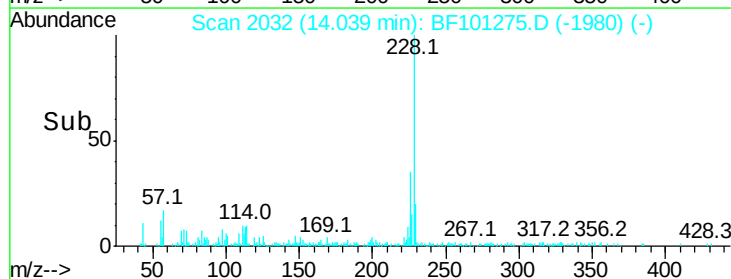
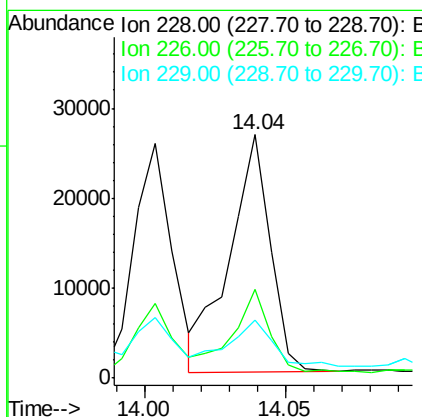
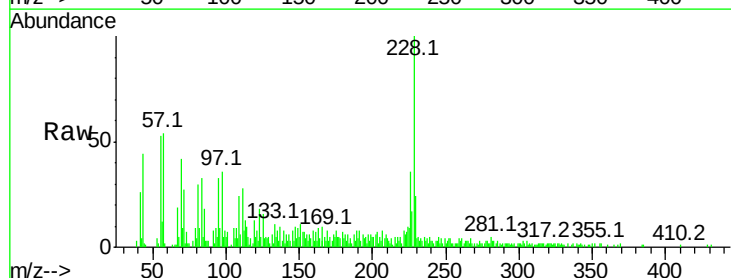
Instrument :
BNA_F
ClientSampleId :

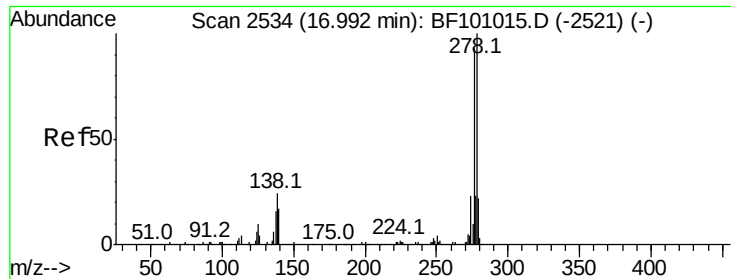
Tot Ion:228 Resp: 24924
Ion Ratio Lower Upper
228 100
226 31.6 22.6 33.8
229 25.5 15.8 23.6#



#82
Chrysene
Concen: 5.326 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion:228 Resp: 26573
Ion Ratio Lower Upper
228 100
226 36.3 25.0 37.6
229 23.6 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.410 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.04 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Instrument :

BNA_F

ClientSampleId :

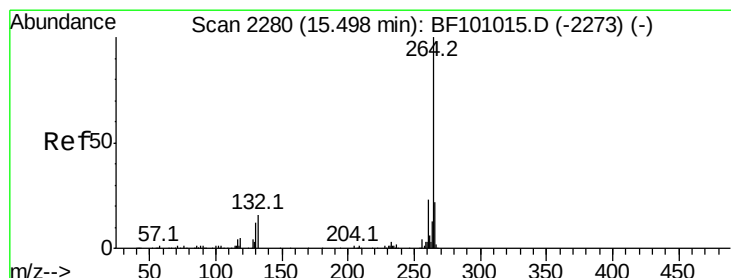
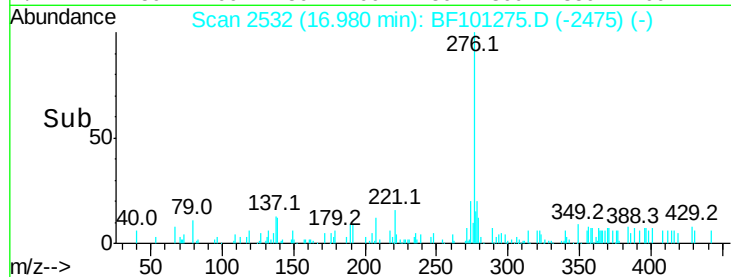
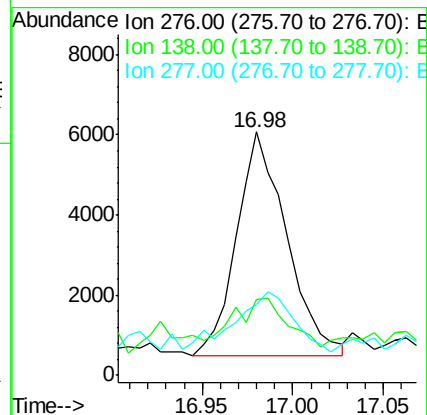
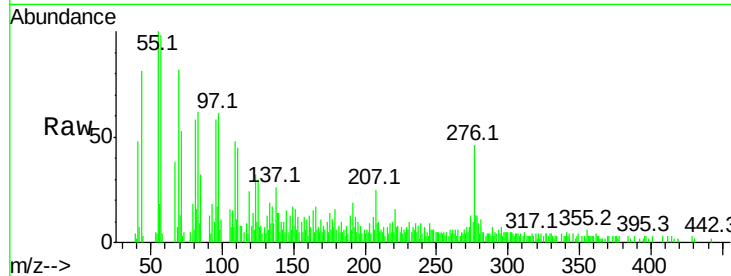
Tot Ion:276 Resp: 10692

Ion Ratio Lower Upper

276 100

138 22.5 25.0 37.6#

277 31.9 20.1 30.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.03 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

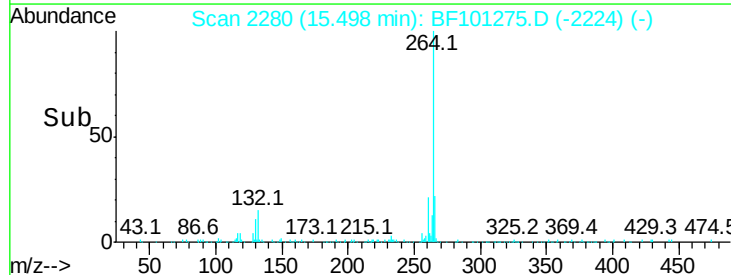
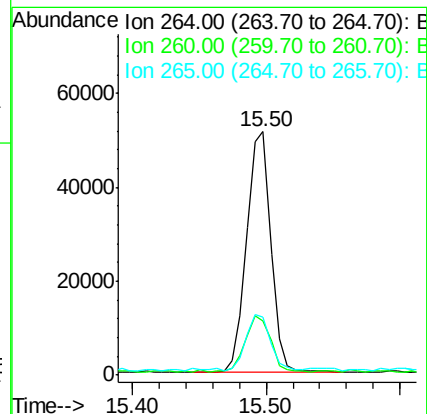
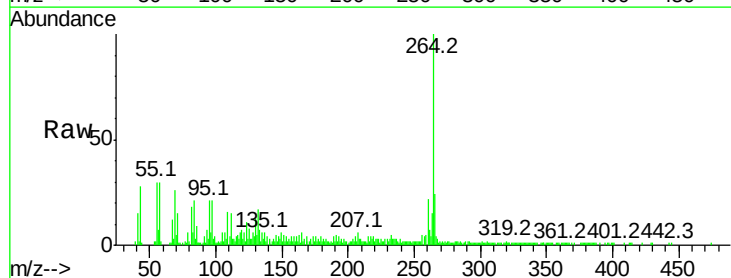
Tgt Ion:264 Resp: 64777

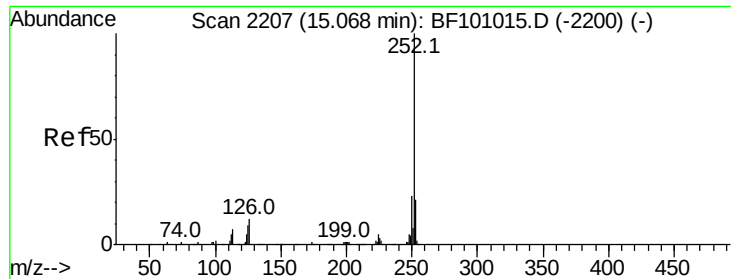
Ion Ratio Lower Upper

264 100

260 22.1 19.2 28.8

265 23.9 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 9.377 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.02 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Instrument :

BNA_F

ClientSampleId :

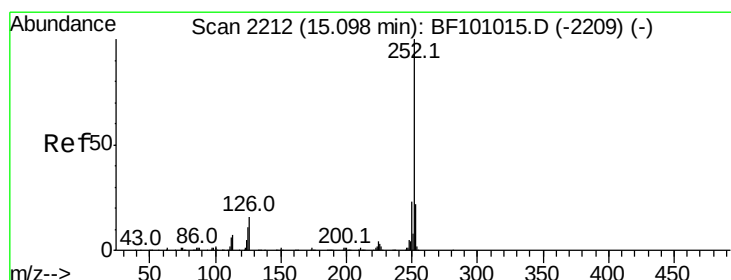
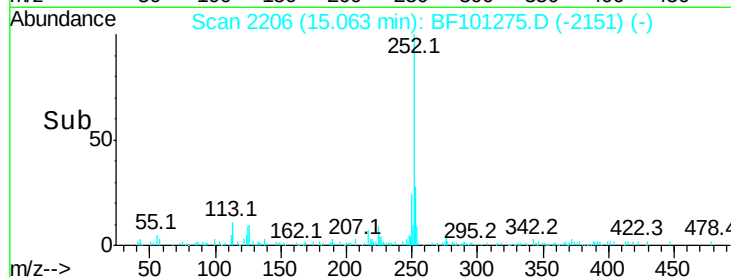
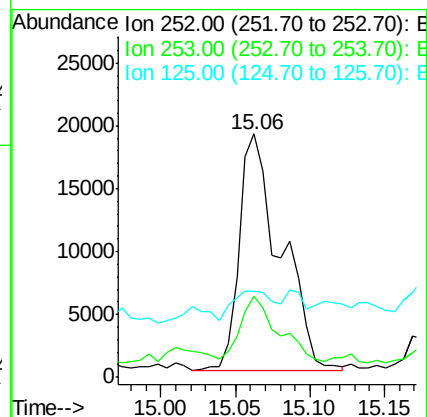
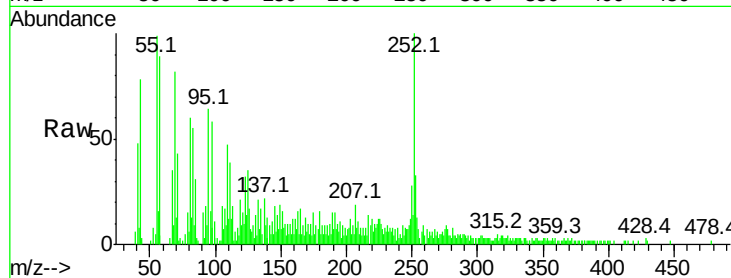
Tot Ion:252 Resp: 36383

Ion Ratio Lower Upper

252 100

253 33.2 17.0 25.6#

125 35.4 9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 9.518 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

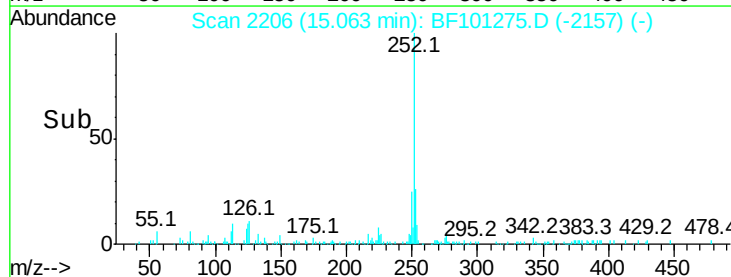
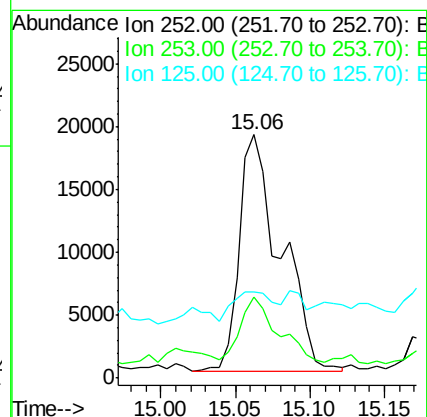
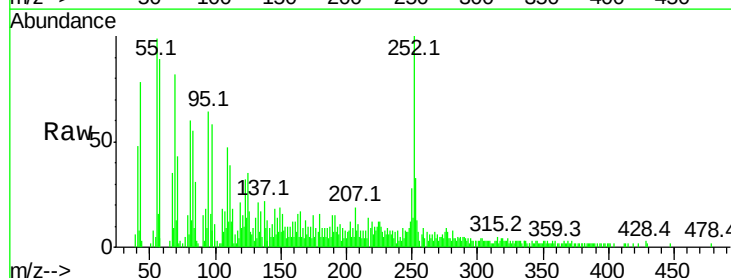
Tgt Ion:252 Resp: 36383

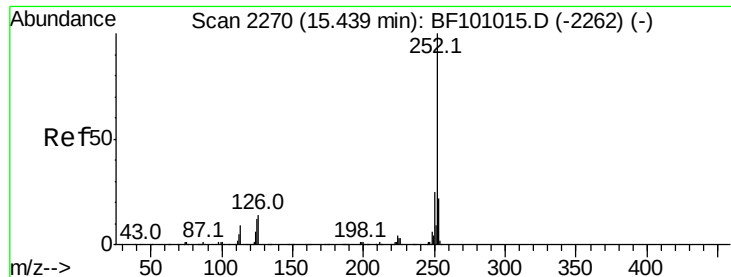
Ion Ratio Lower Upper

252 100

253 33.2 17.9 26.9#

125 35.4 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 3.873 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.02 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Instrument :

BNA_F

ClientSampleId :

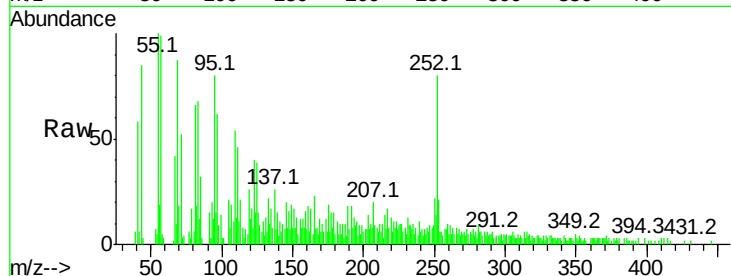
Tot Ion:252 Resp: 13663

Ion Ratio Lower Upper

252 100

253 27.0 17.1 25.7#

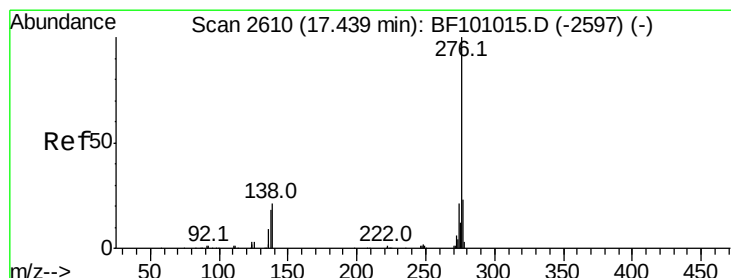
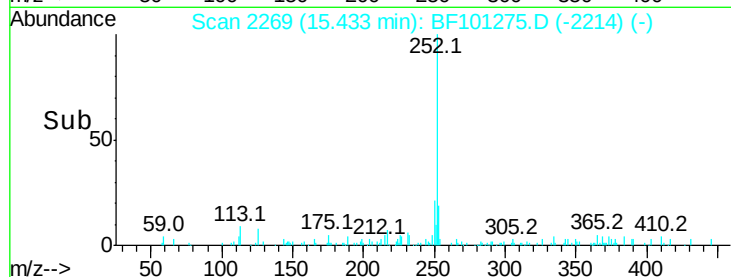
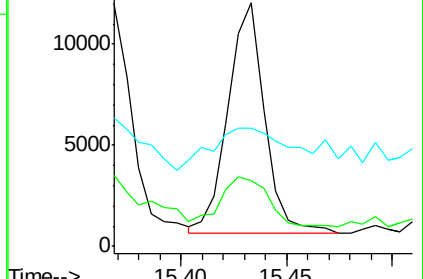
125 48.8 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.605 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.05 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

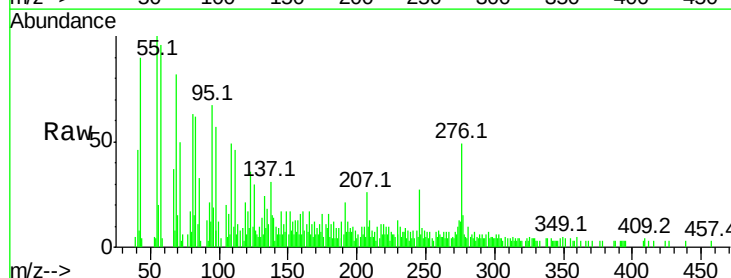
Tgt Ion:276 Resp: 10564

Ion Ratio Lower Upper

276 100

277 31.9 17.9 26.9#

138 31.8 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

