

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101276.D
 Acq On : 9 Dec 2017 11:07
 Operator : SJ/JU
 Sample : I6744-09
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 23:44:20 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	43986	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	153347	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	61264	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	115821	20.00	ng	0.00
75) Chrysene-d12	14.01	240	86194	20.00	ng	0.00
86) Perylene-d12	15.49	264	66932	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	264031	99.19	ng	0.01
7) Phenol-d6	6.47	99	313855	97.12	ng	0.01
23) Nitrobenzene-d5	7.40	82	164772	64.10	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	63457	86.22	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	339990	75.93	ng	0.00
78) Terphenyl-d14	12.94	244	289547	73.48	ng	0.00

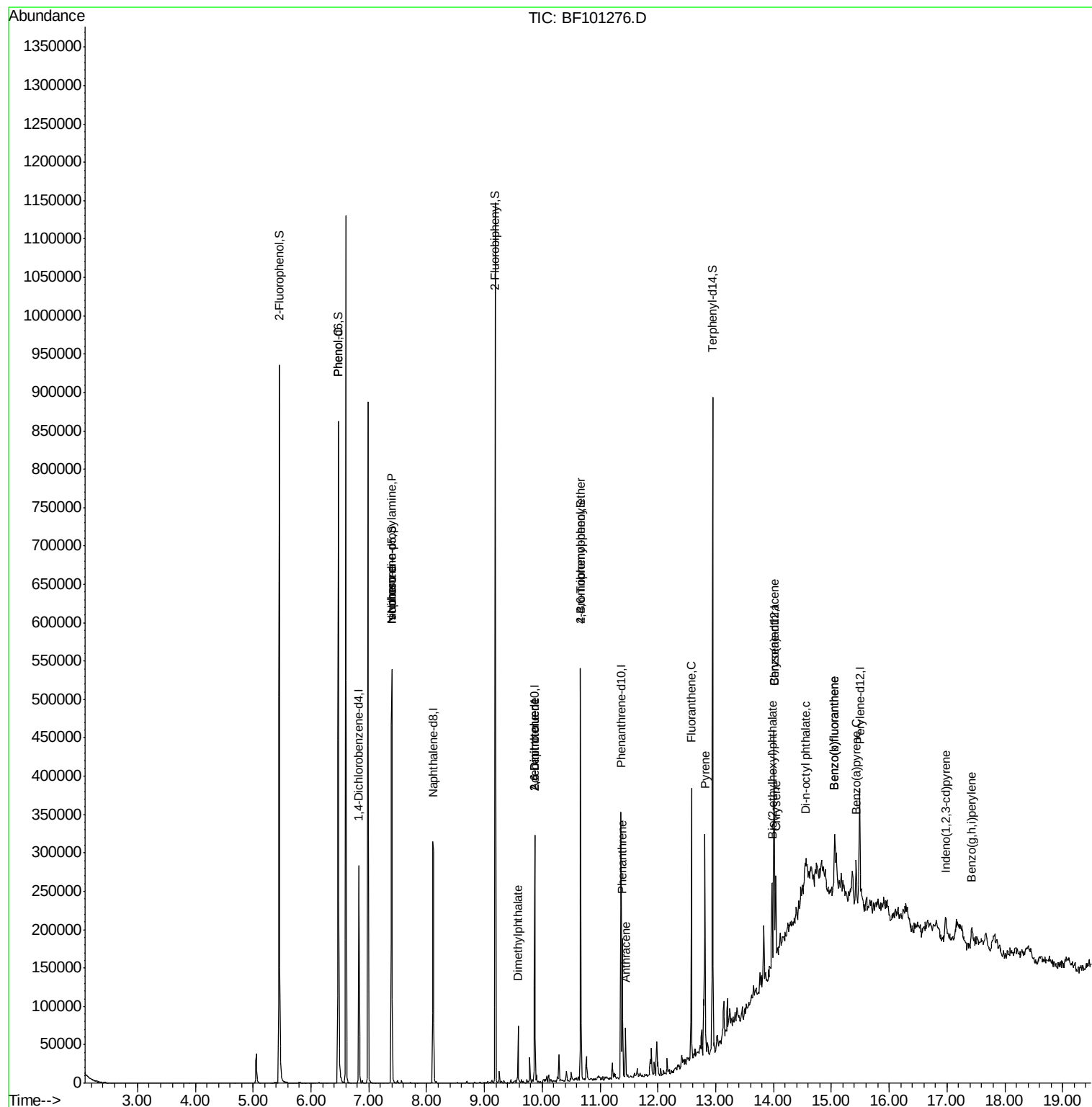
Target Compounds				Qvalue		
10) Phenol	6.48	94	11081	3.084	ng	# 67
19) n-Nitroso-di-n-propylamine	7.40	70	21668	9.956	ng	# 80
25) Isophorone	7.40	82	164797	37.531	ng	# 64
49) Dimethylphthalate	9.58	163	25253	5.111	ng	98
50) 2,6-Dinitrotoluene	9.87	165	7931	7.621	ng	# 24
56) 2,4-Dinitrotoluene	9.87	165	7931	5.687	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	4157	3.207	ng	# 1
70) Phenanthrene	11.39	178	62490	9.797	ng	96
71) Anthracene	11.44	178	24448	3.787	ng	96
74) Fluoranthene	12.58	202	130628	18.476	ng	94
77) Pyrene	12.81	202	110993	18.662	ng	98
80) Benzo(a)anthracene	14.00	228	49534	9.102	ng	99
82) Chrysene	14.04	228	43463	8.599	ng	95
83) Bis(2-ethylhexyl)phthalate	13.97	149	32330	8.647	ng	# 98
84) Di-n-octyl phthalate	14.56	149	15242	2.448	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.98	276	14866	3.308	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	54780	13.664	ng	# 88
88) Benzo(k)fluoranthene	15.06	252	54780	13.869	ng	# 90
89) Benzo(a)pyrene	15.43	252	29169	8.003	ng	# 91
91) Benzo(a,h,i)perylene	17.43	276	13301	4.392	ng	# 94

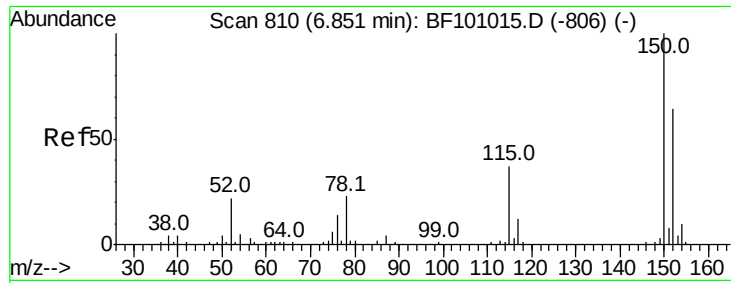
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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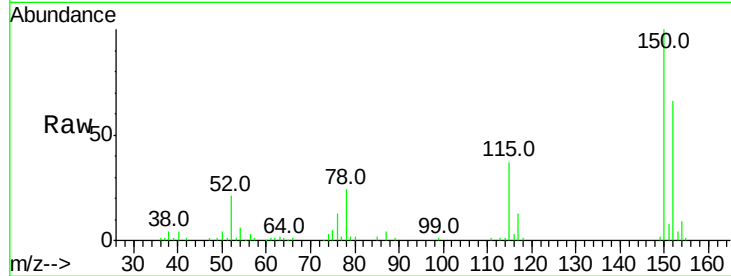


#1

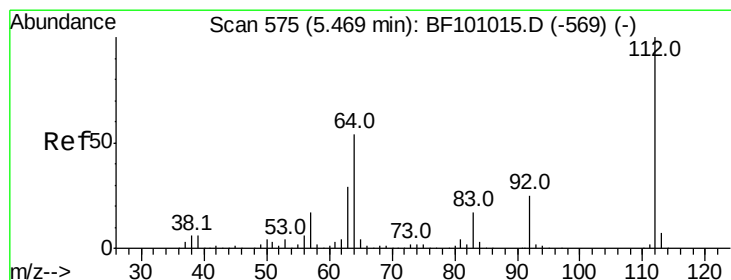
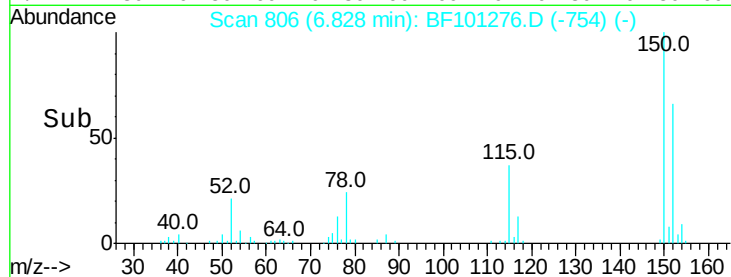
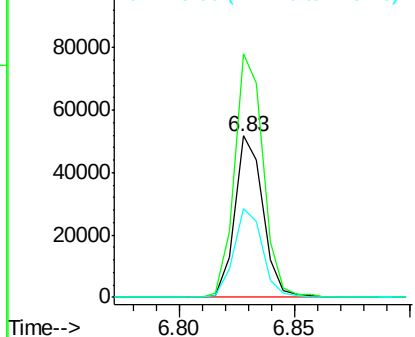
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 43986
Ion Ratio Lower Upper
152 100
150 150.7 124.6 186.8
115 55.3 50.1 75.1



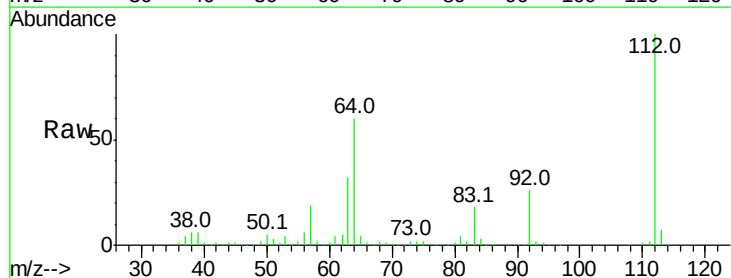
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



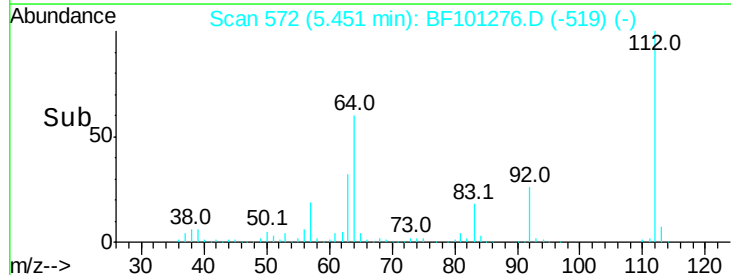
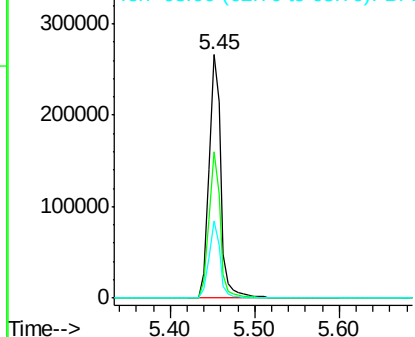
#5

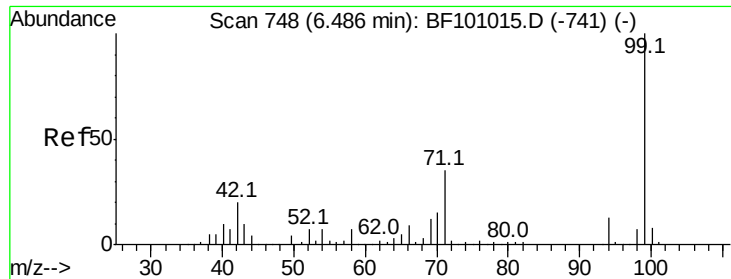
2-Fluorophenol
Concen: 99.190 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

Tgt Ion:112 Resp: 264031
Ion Ratio Lower Upper
112 100
64 60.1 47.9 71.9
63 32.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 97.115 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101276.D

Acq: 9 Dec 2017 11:07

Instrument :

BNA_F

ClientSampled :

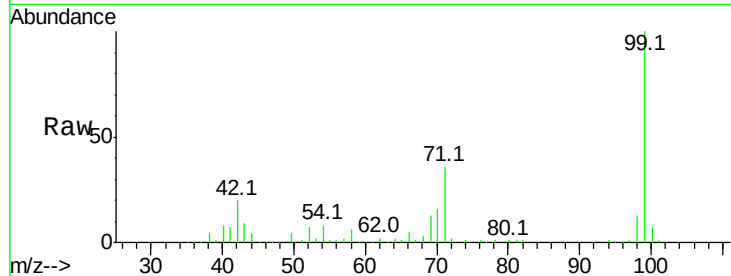
Tot Ion: 99 Resp: 313855

Ion Ratio Lower Upper

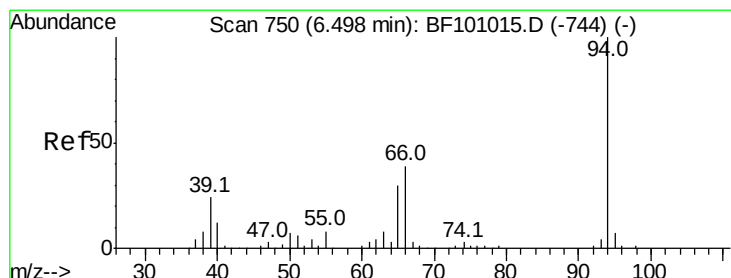
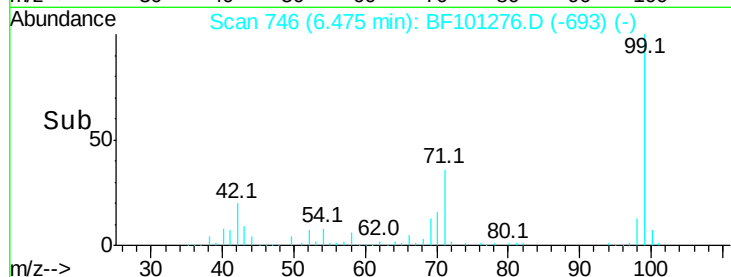
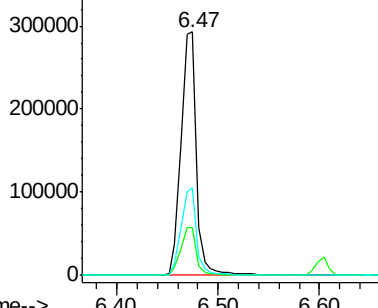
99 100

42 19.7 14.5 21.7

71 35.7 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



#10

Phenol

Concen: 3.084 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101276.D

Acq: 9 Dec 2017 11:07

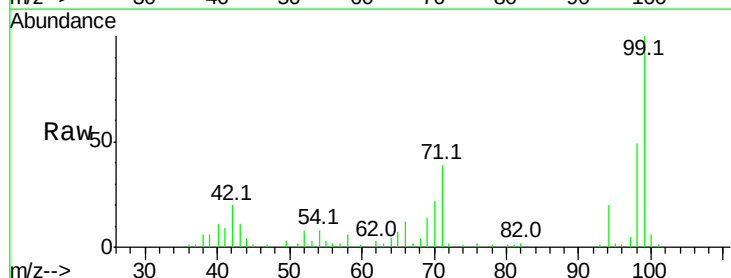
Tgt Ion: 94 Resp: 11081

Ion Ratio Lower Upper

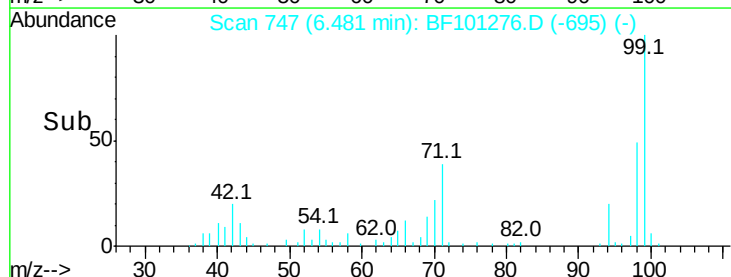
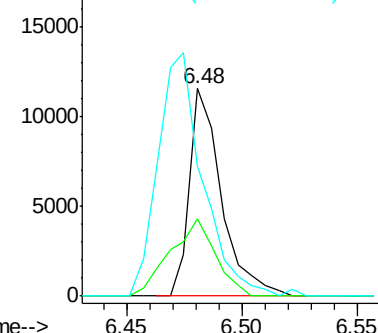
94 100

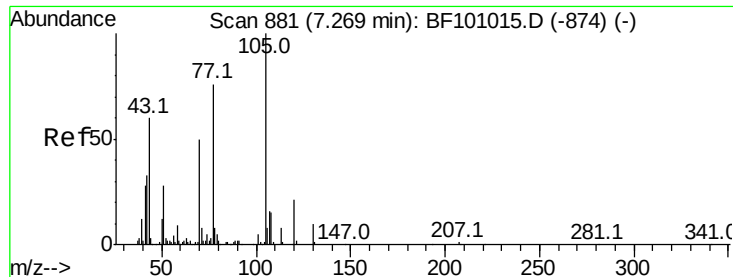
65 37.1 7.9 47.9

66 62.3 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: 9.956 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.16 min

Lab File: BF101276.D

Acq: 9 Dec 2017 11:07

Instrument :

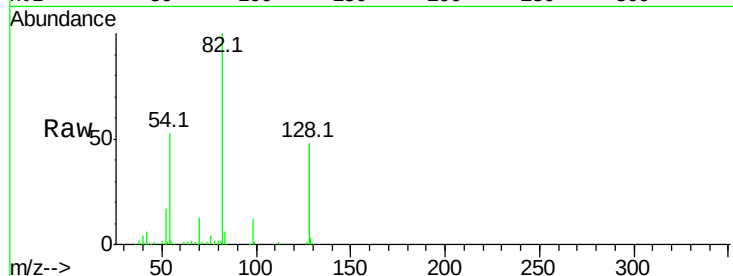
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 21668

Ion Ratio Lower Upper

70	100		
42	49.8	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#

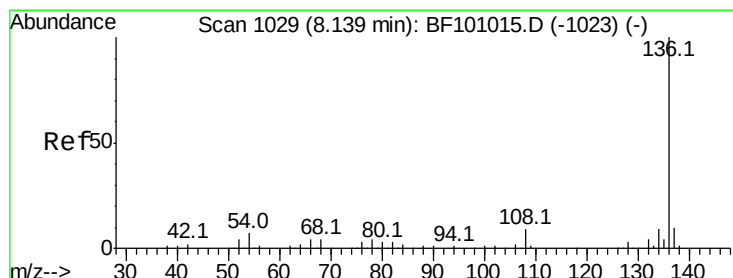
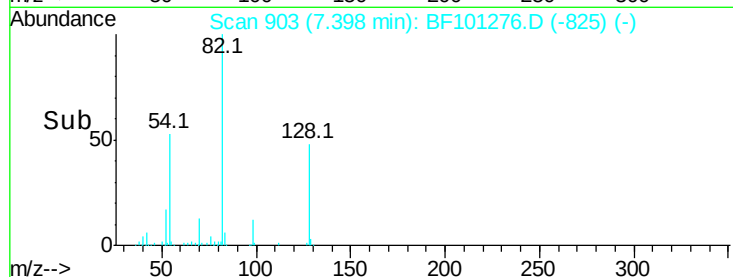
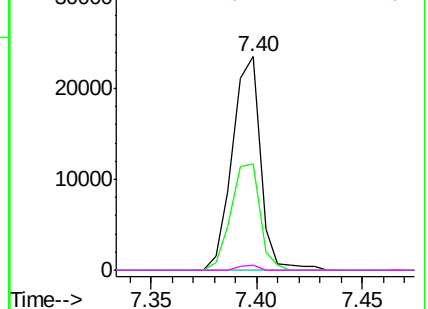


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. 0.00 min

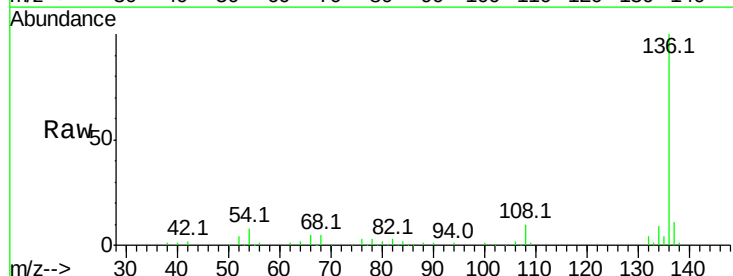
Lab File: BF101276.D

Acq: 9 Dec 2017 11:07

Tgt Ion: 136 Resp: 153347

Ion Ratio Lower Upper

136	100		
137	11.1	8.9	13.3
54	8.1	6.6	9.8
68	4.7	5.0	7.4#

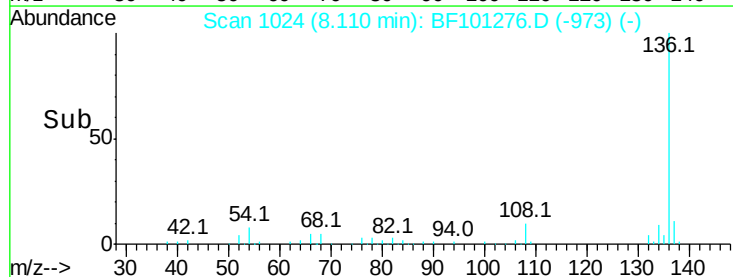
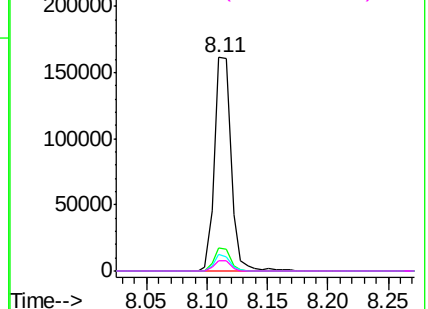


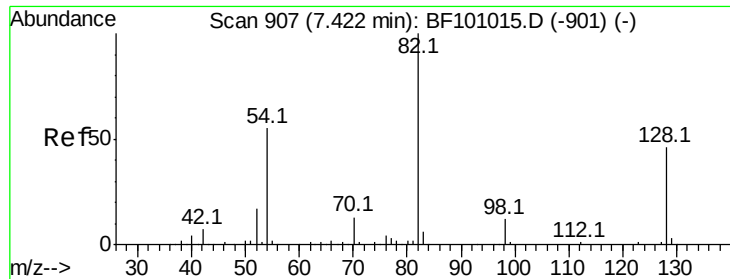
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

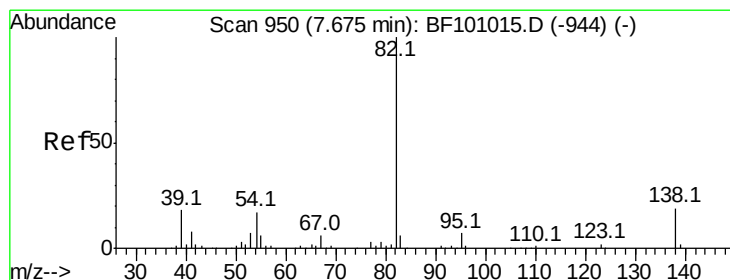
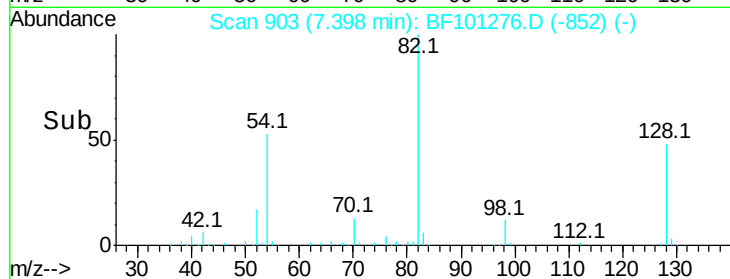
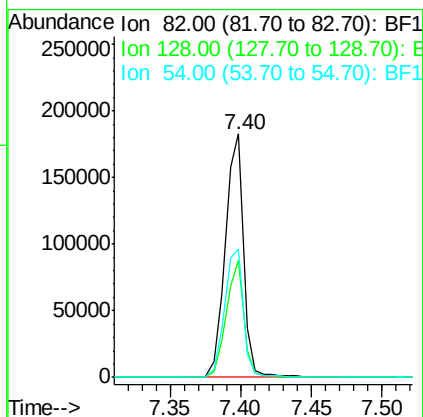
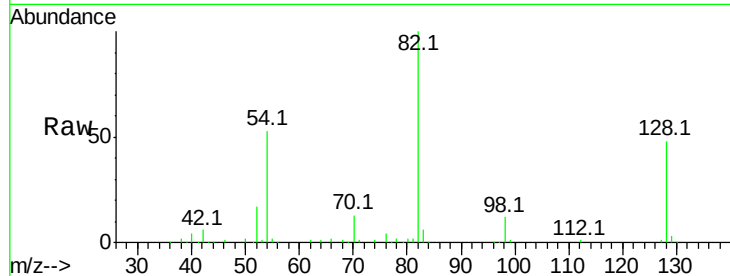




#23
Nitrobenzene-d5
Concen: 64.098 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

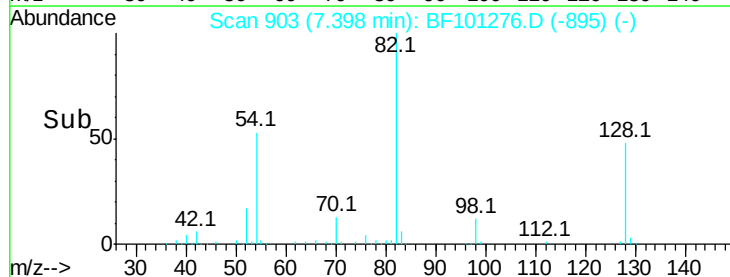
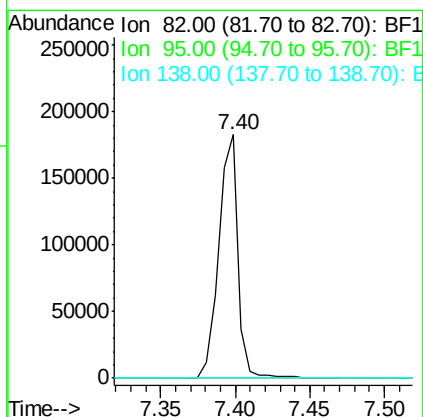
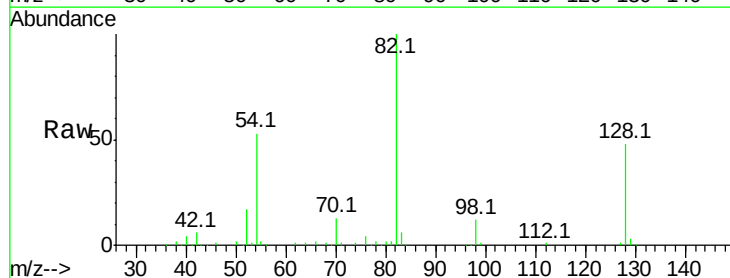
Instrument :
BNA_F
ClientSampled :

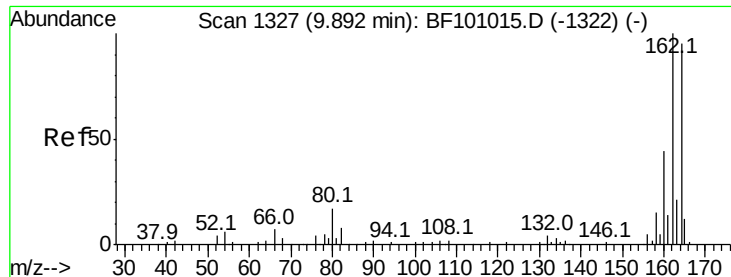
Tot Ion: 82 Resp: 164772
Ion Ratio Lower Upper
82 100
128 48.1 36.1 54.1
54 52.6 41.4 62.2



#25
Isophorone
Concen: 37.531 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.25 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

Tgt Ion: 82 Resp: 164797
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

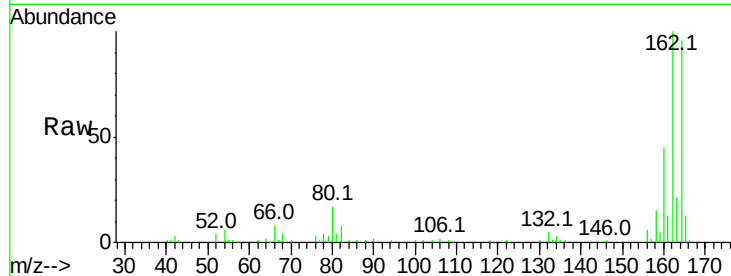




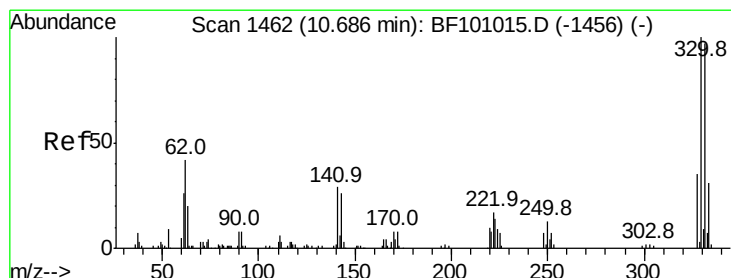
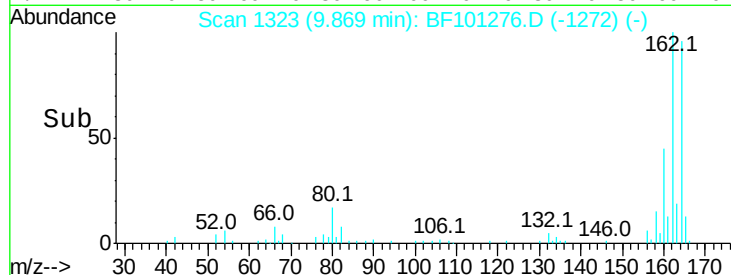
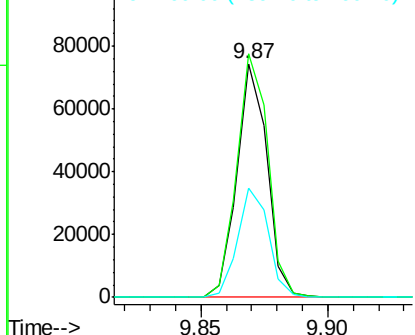
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: BF101276.D
 Acq: 9 Dec 2017 11:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 61264
 Ion Ratio Lower Upper
 164 100
 162 104.1 86.1 129.1
 160 46.9 38.3 57.5

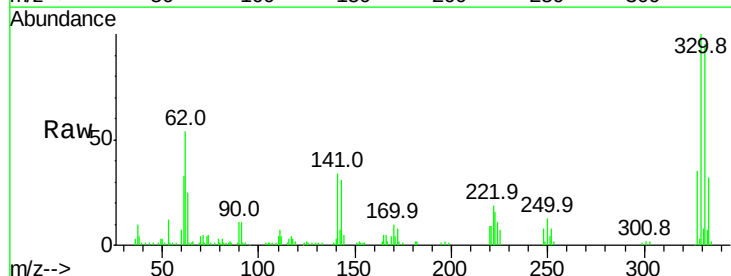


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

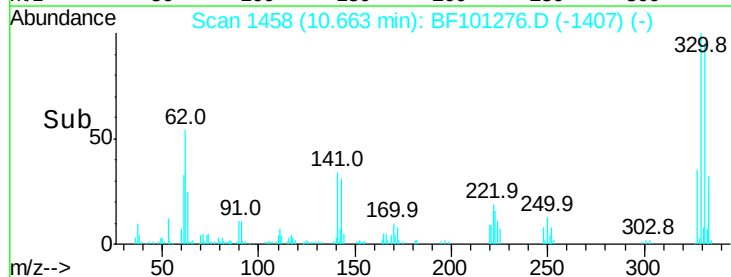
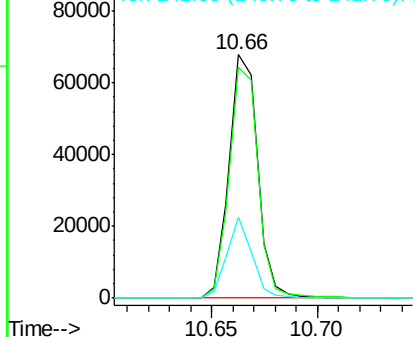


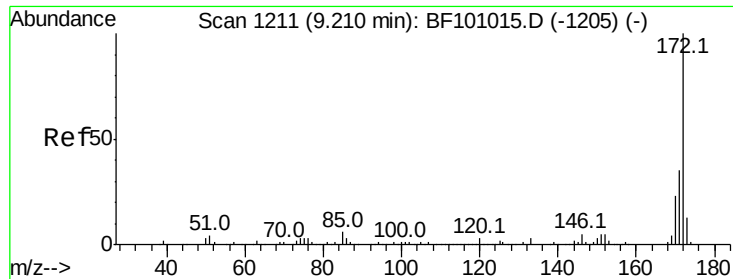
#41
 2,4,6-Tribromophenol
 Concen: 86.224 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: BF101276.D
 Acq: 9 Dec 2017 11:07

Tgt Ion:330 Resp: 63457
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 29.2 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

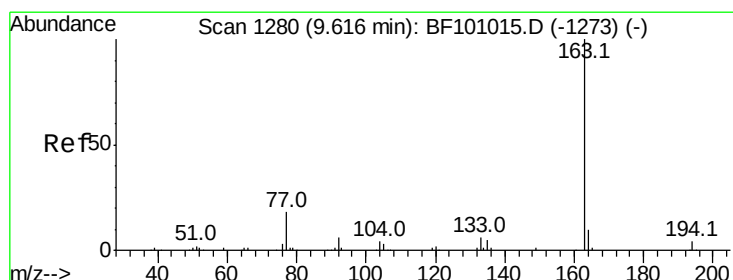
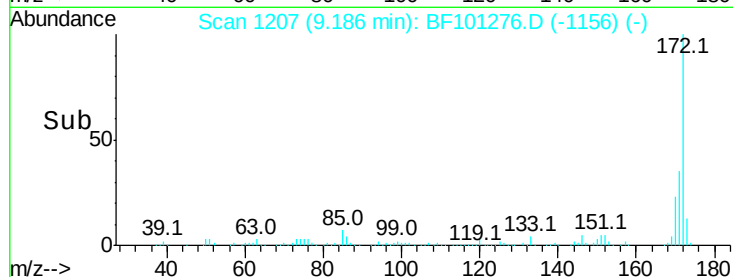
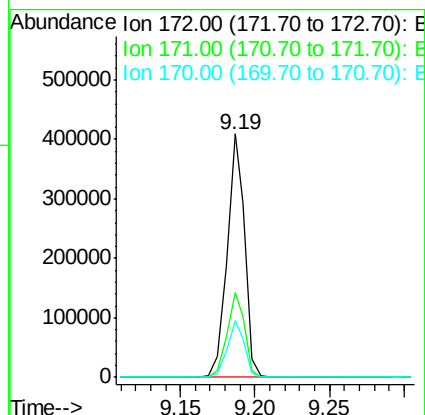
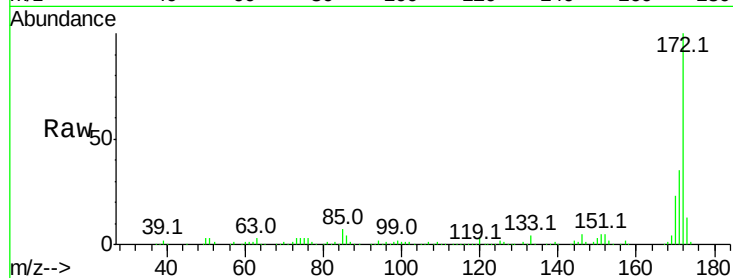




#44
2-Fluorobiphenyl
Concen: 75.929 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

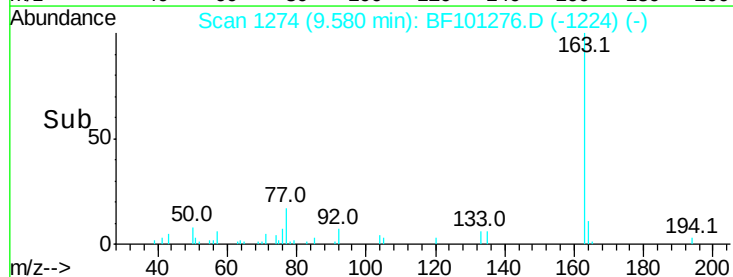
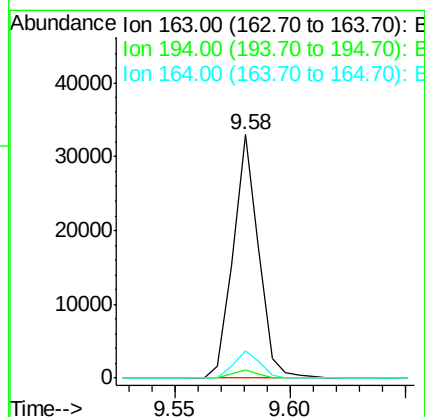
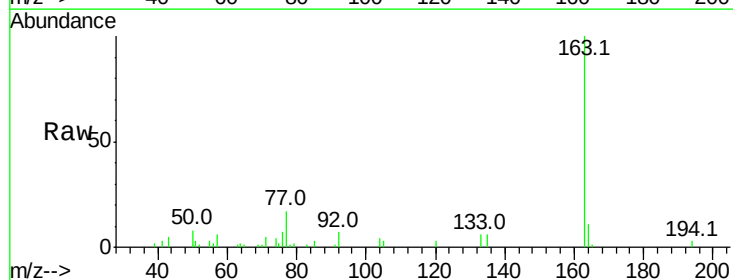
Instrument :
BNA_F
ClientSampleId :

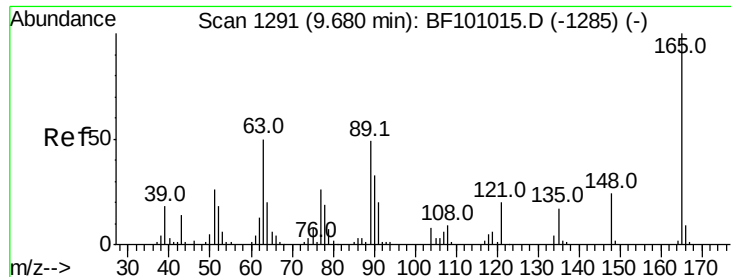
Tot Ion:172 Resp: 339990
Ion Ratio Lower Upper
172 100
171 35.0 29.7 44.5
170 23.4 19.6 29.4



#49
Dimethylphthalate
Concen: 5.111 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

Tgt Ion:163 Resp: 25253
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 11.3 8.2 12.2

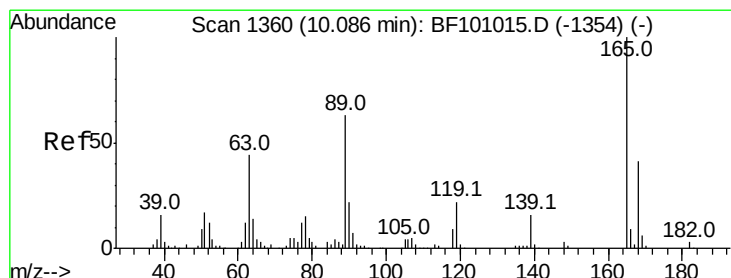
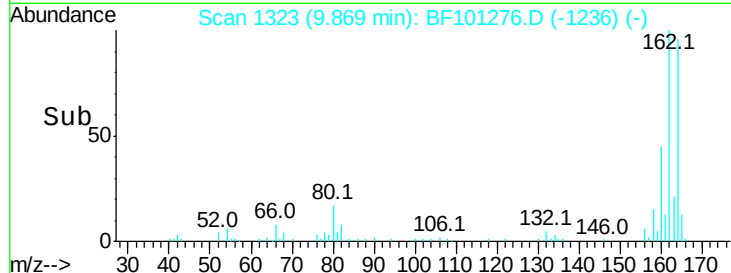
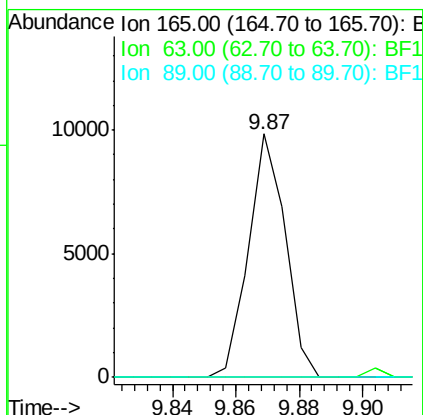
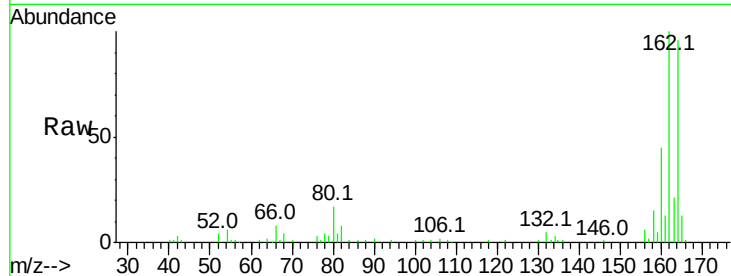




#50
 2,6-Dinitrotoluene
 Concen: 7.621 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: BF101276.D
 Acq: 9 Dec 2017 11:07

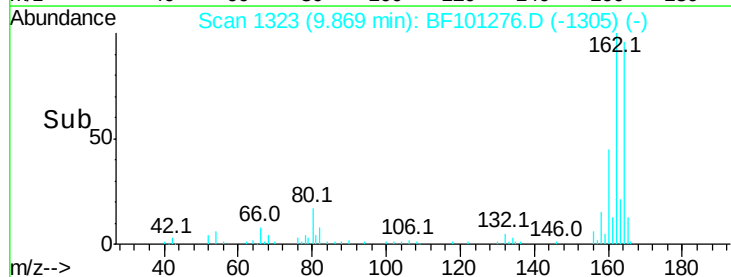
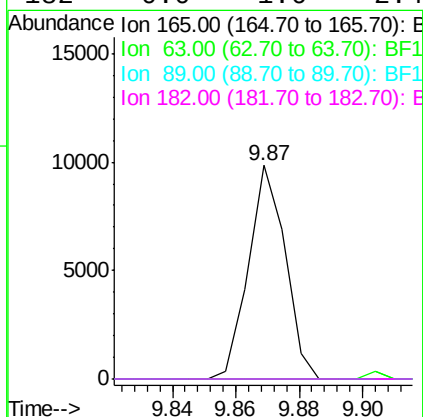
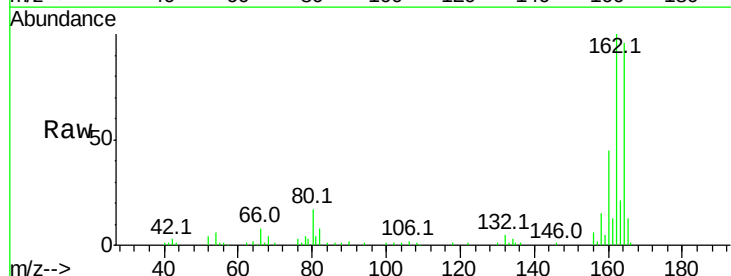
Instrument :
 BNA_F
 ClientSampleId :

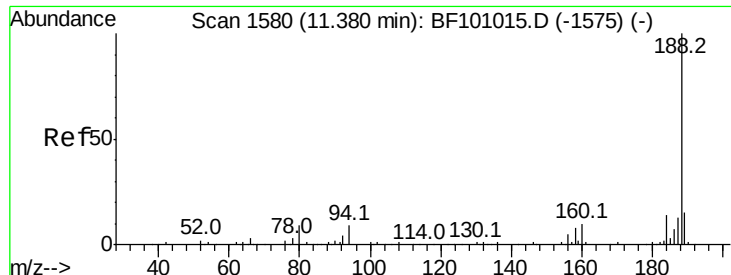
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.687 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF101276.D
 Acq: 9 Dec 2017 11:07

Tgt 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#

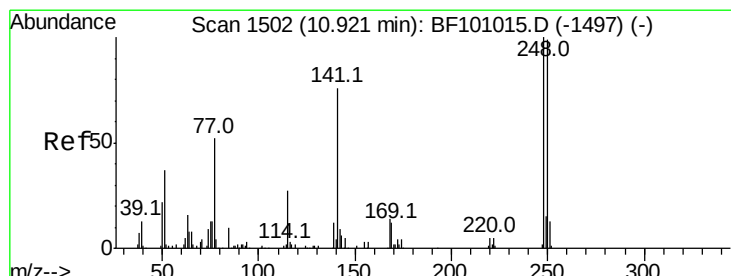
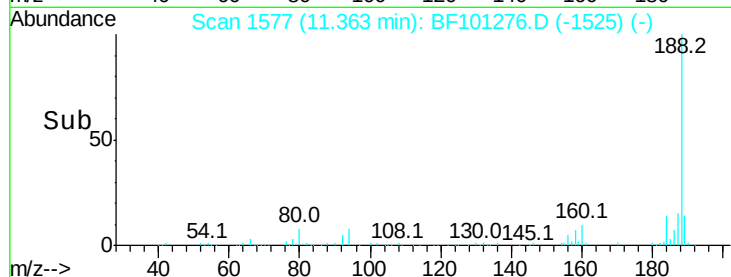
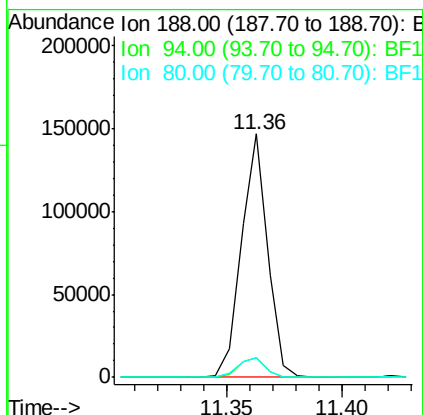
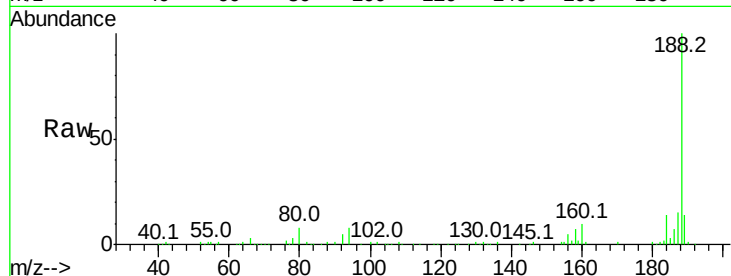




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: BF101276.D
 Acq: 9 Dec 2017 11:07

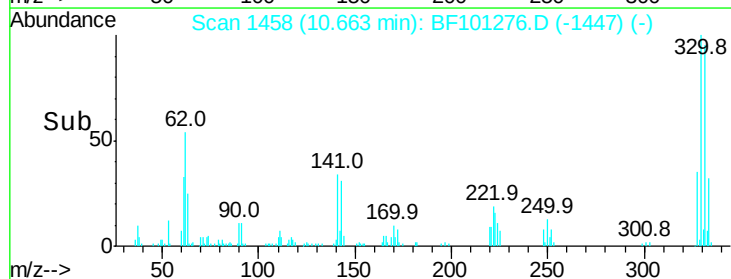
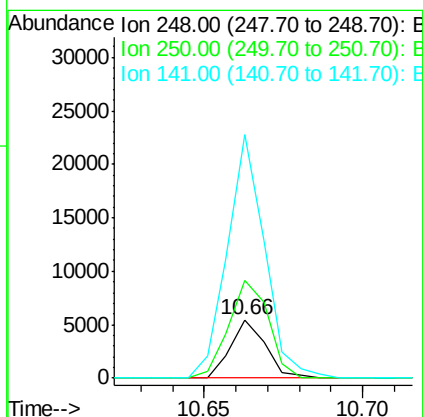
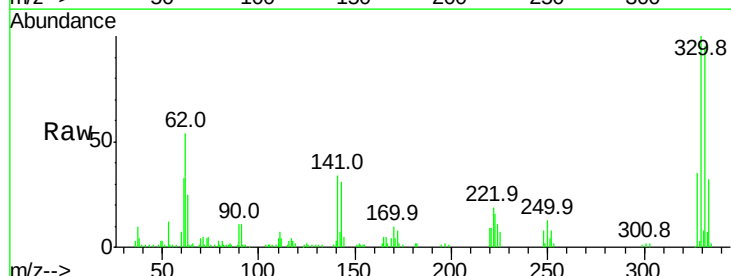
Instrument :
 BNA_F
 ClientSampleId :

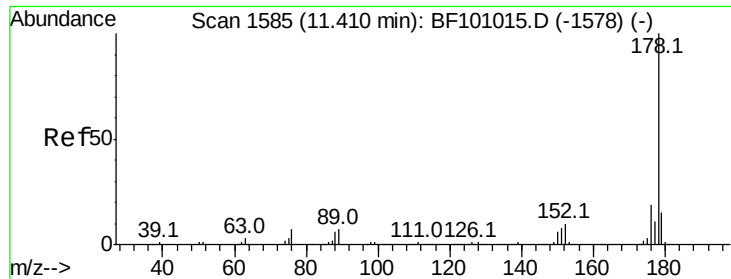
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	8.0	9.2	13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.207 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.24 min
 Lab File: BF101276.D
 Acq: 9 Dec 2017 11:07

Tgt Ion	Ratio	Lower	Upper
248	100		
250	167.5	76.9	115.3#
141	418.1	74.4	111.6#

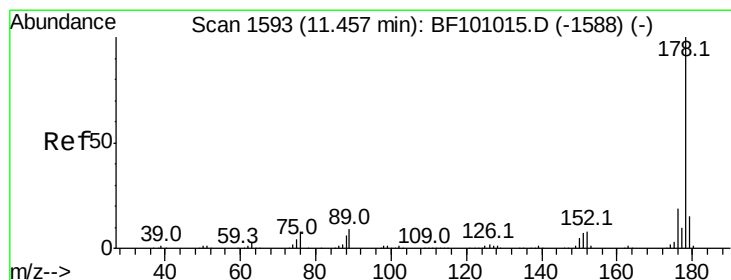
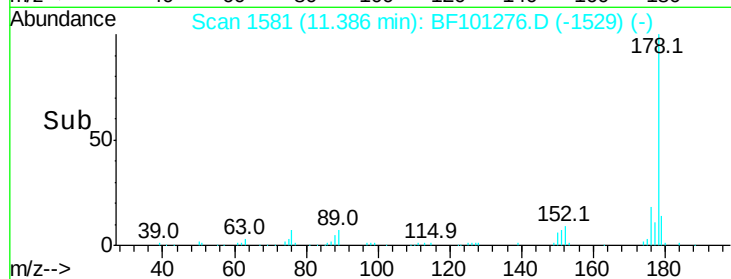
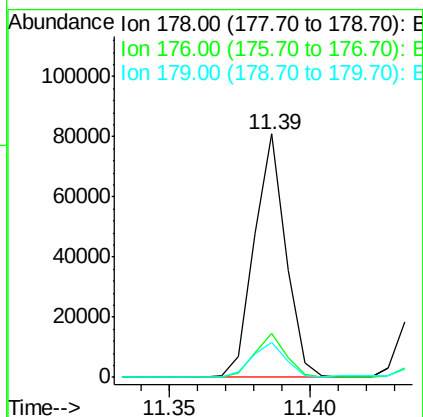
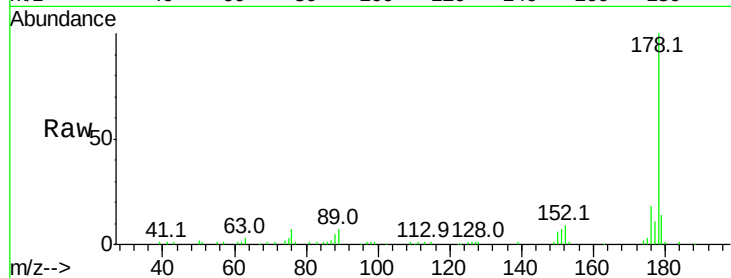




#70
Phenanthrene
Concen: 9.797 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

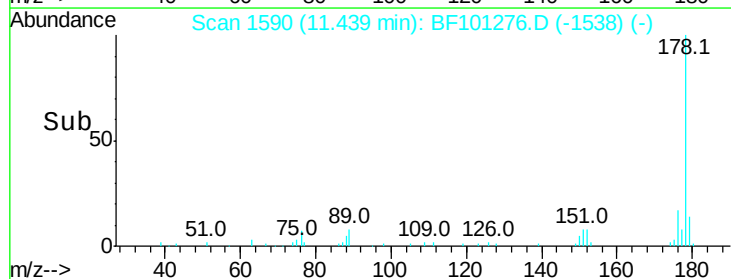
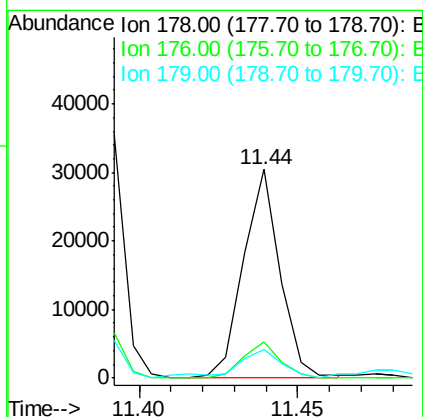
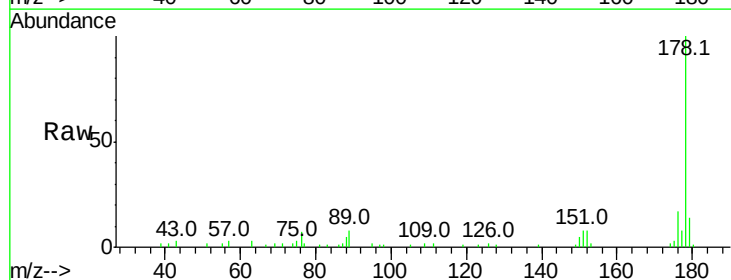
Instrument :
BNA_F
ClientSampled :

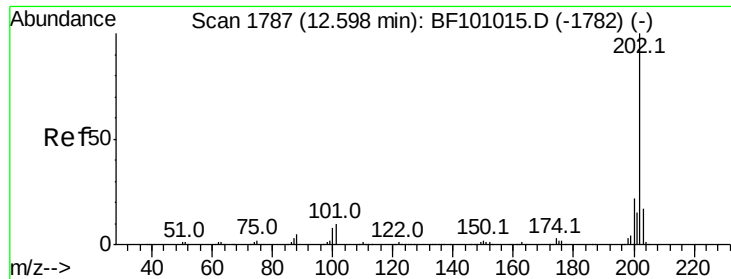
Tot Ion:178 Resp: 62490
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.8
179 14.2 13.0 19.6



#71
Anthracene
Concen: 3.787 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

Tgt Ion:178 Resp: 24448
Ion Ratio Lower Upper
178 100
176 17.3 15.4 23.2
179 14.0 12.6 19.0





#74

Fluoranthene

Concen: 18.476 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101276.D

Acq: 9 Dec 2017 11:07

Instrument :

BNA_F

ClientSampleId :

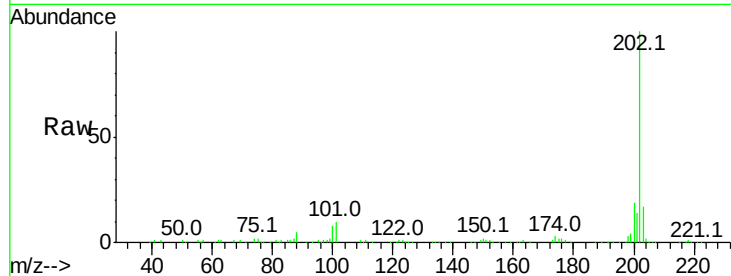
Tot Ion:202 Resp: 130628

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

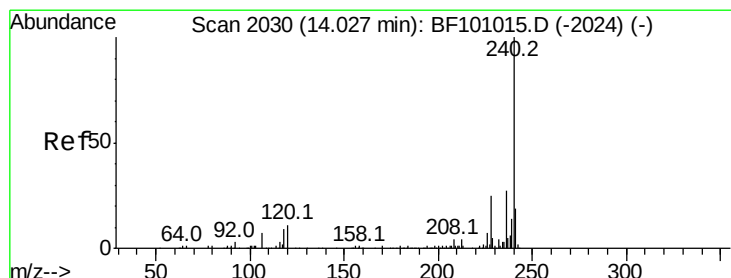
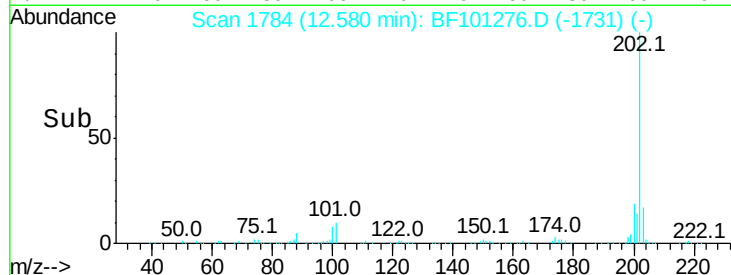
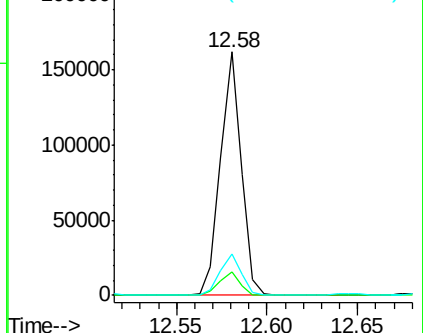
203 17.0 0.0 38.1



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: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101276.D

Acq: 9 Dec 2017 11:07

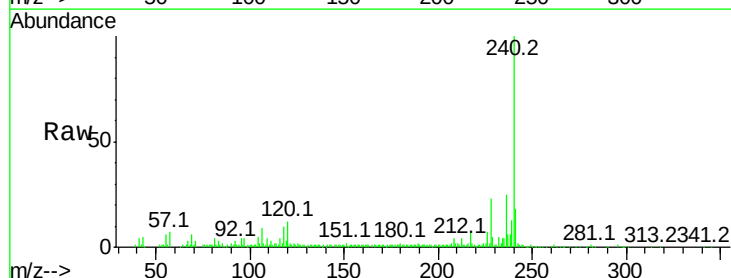
Tgt Ion:240 Resp: 86194

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

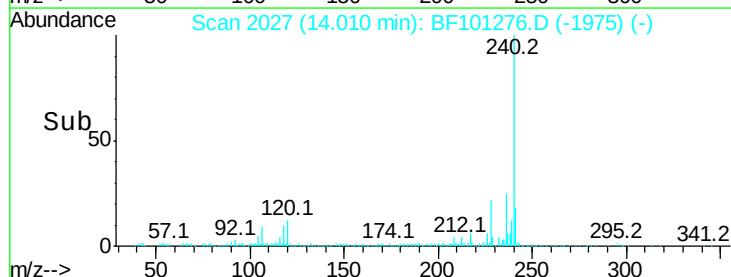
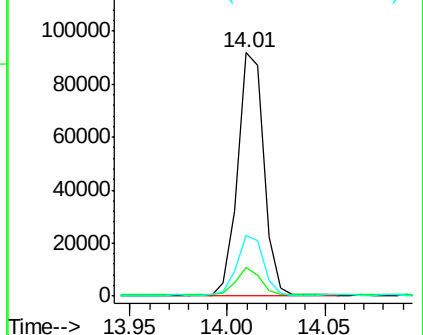
236 25.0 20.7 31.1

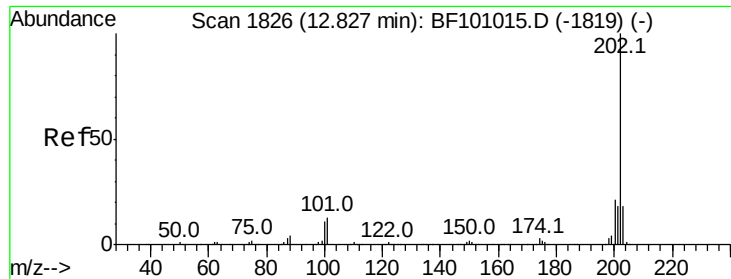


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

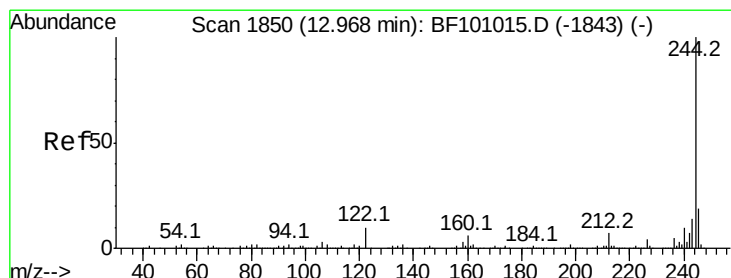
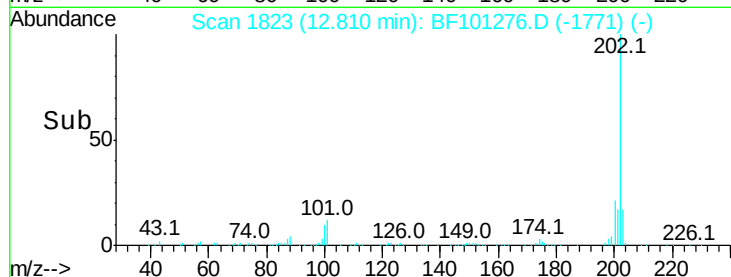
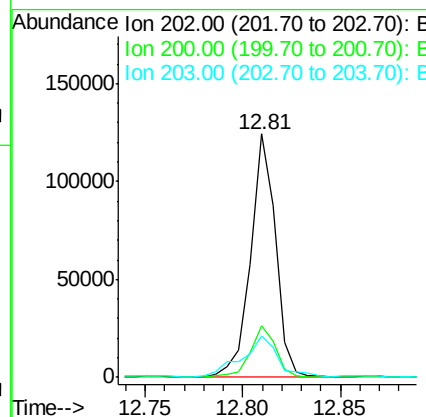
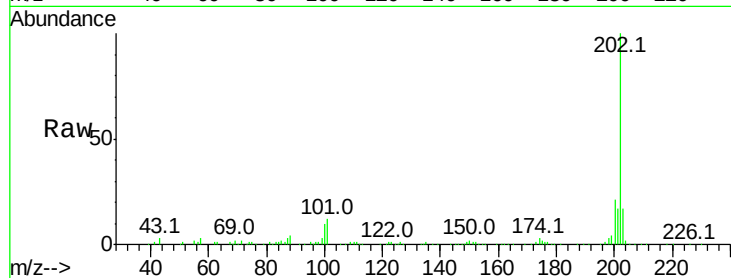




#77
Pvrene
Concen: 18.662 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

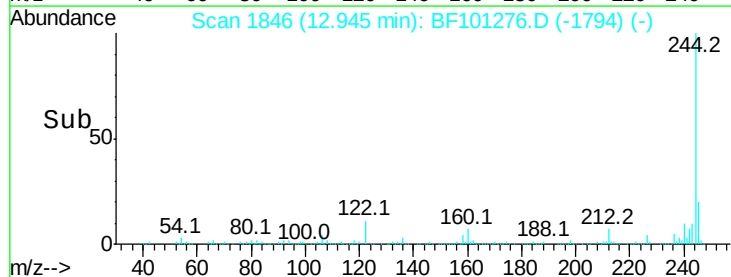
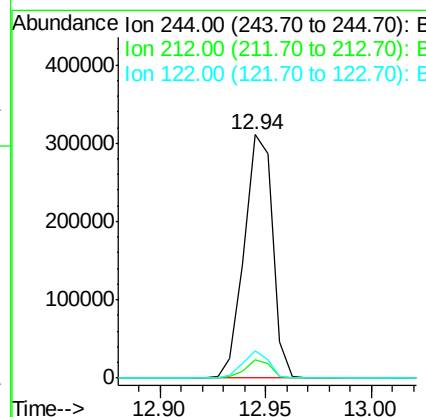
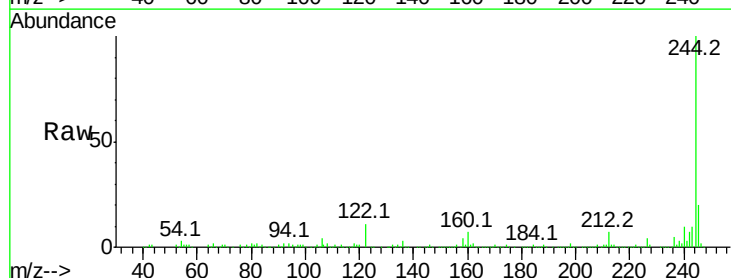
Instrument :
BNA_F
ClientSampleId :

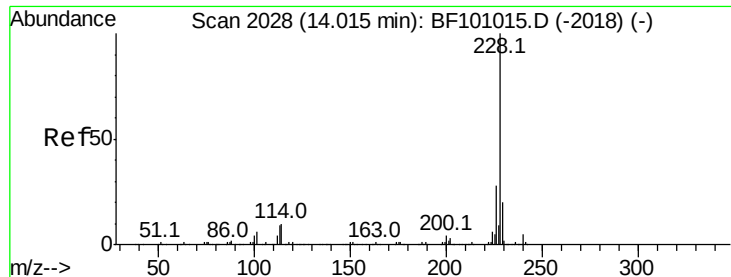
Tot Ion:202 Resp: 110993
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.0 14.3 21.5



#78
Terphenyl-d14
Concen: 73.476 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

Tgt Ion:244 Resp: 289547
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.0
122 11.4 11.0 16.4

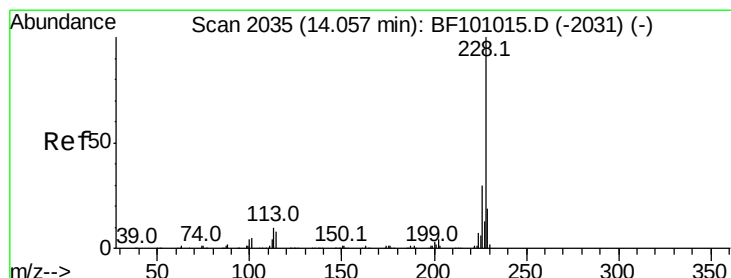
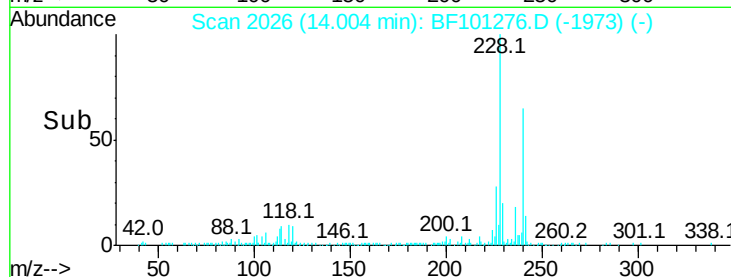
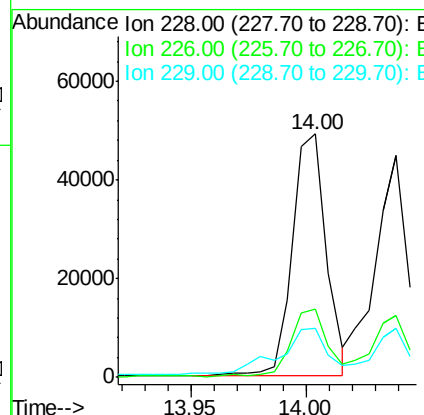
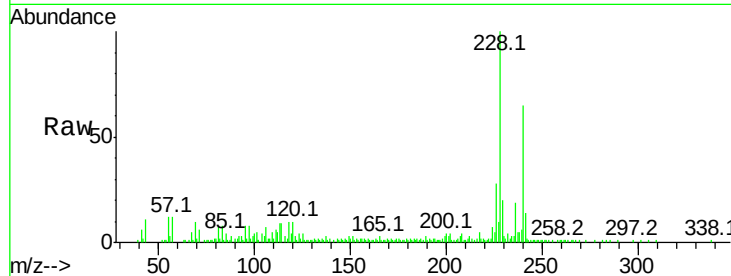




#80
Benzo(a)anthracene
Concen: 9.102 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

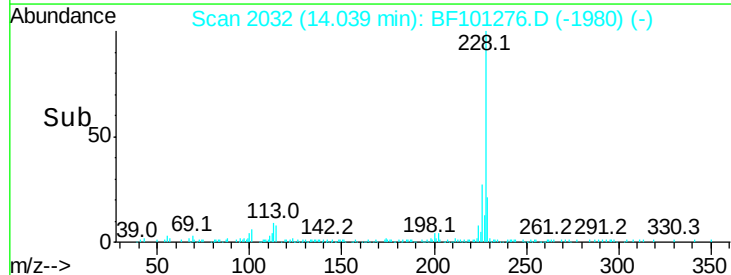
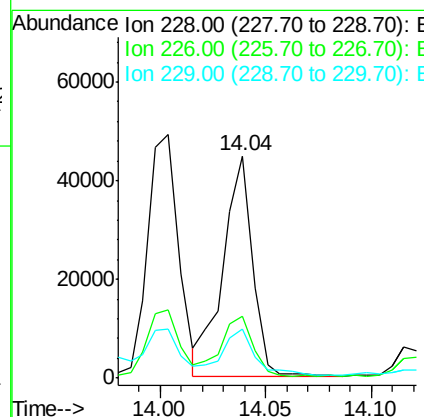
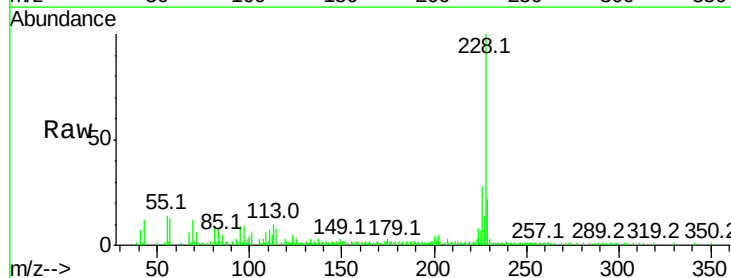
Instrument :
BNA_F
ClientSampleId :

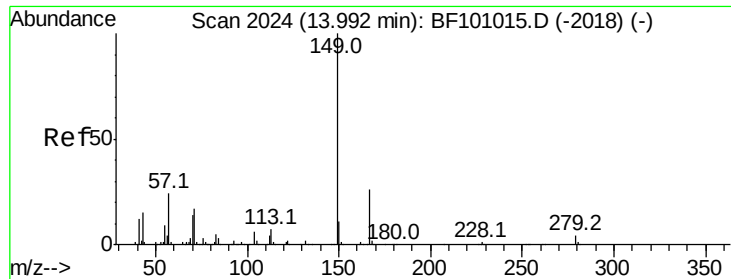
Tot Ion:228 Resp: 49534
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 20.3 15.8 23.6



#82
Chrysene
Concen: 8.599 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

Tgt Ion:228 Resp: 43463
Ion Ratio Lower Upper
228 100
226 27.7 25.0 37.6
229 21.9 16.2 24.4

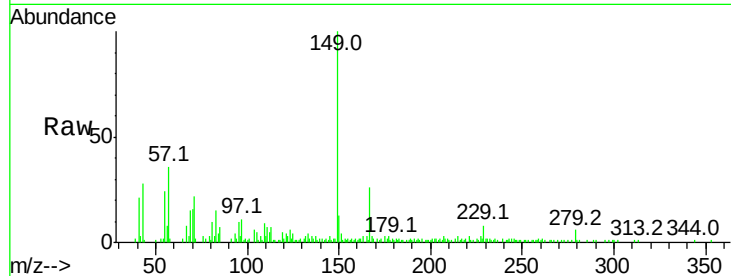




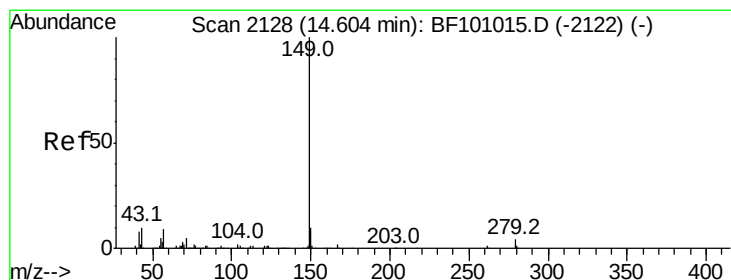
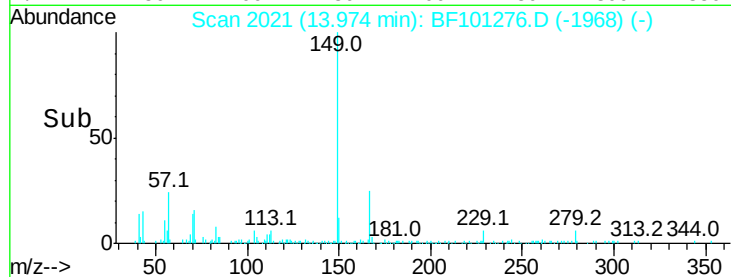
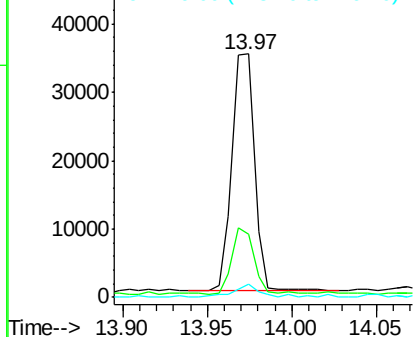
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.647 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BF101276.D
 Acq: 9 Dec 2017 11:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 32330
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.3 31.9
 279 5.6 3.0 4.4#

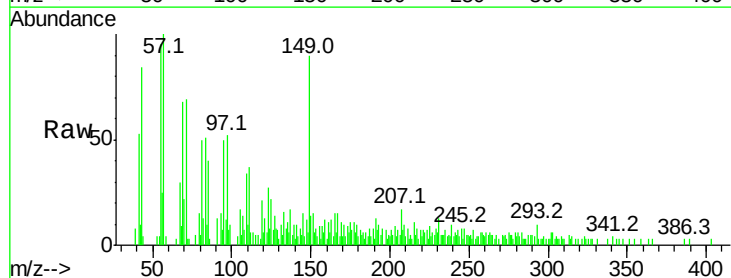


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

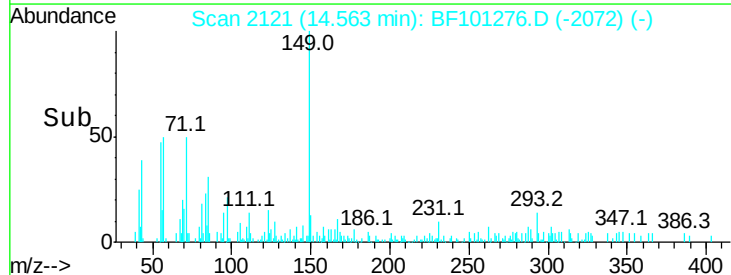
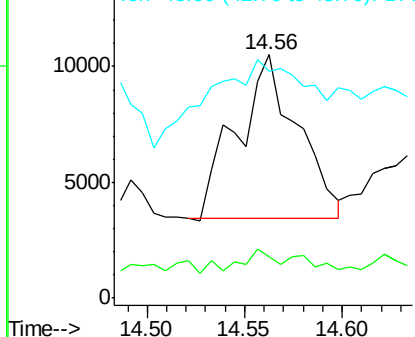


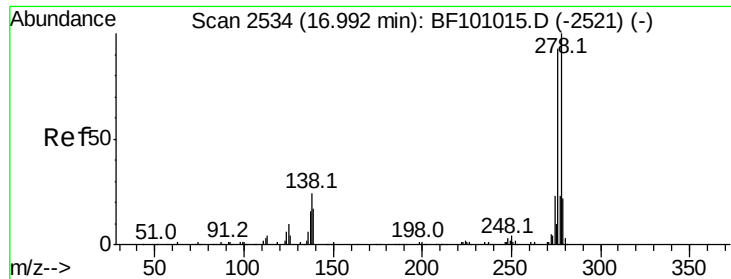
#84
 Di-n-octyl phthalate
 Concen: 2.448 ng
 RT: 14.56 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BF101276.D
 Acq: 9 Dec 2017 11:07

Tgt Ion:149 Resp: 15242
 Ion Ratio Lower Upper
 149 100
 167 5.9 1.2 1.8#
 43 87.0 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF1

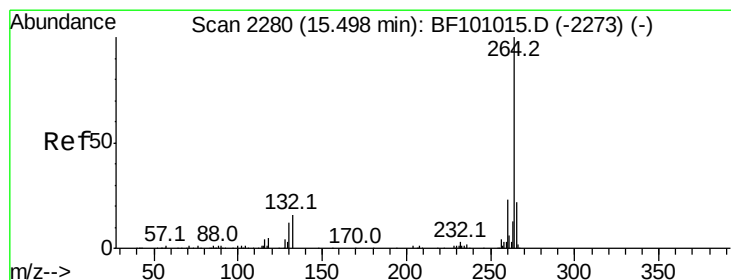
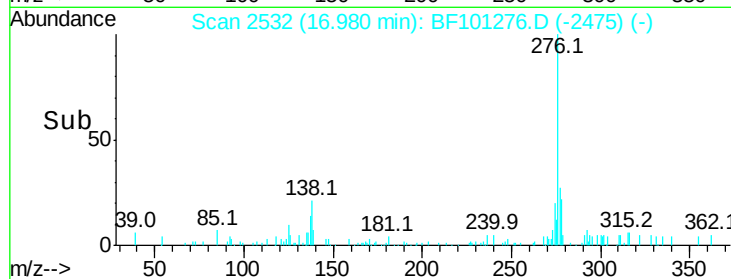
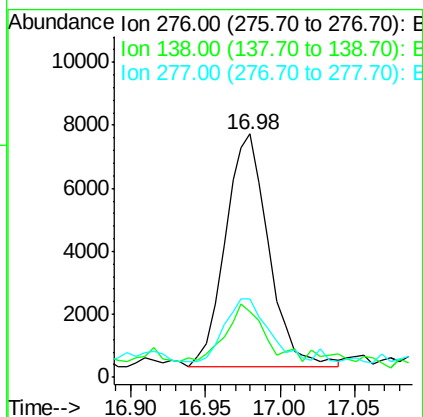
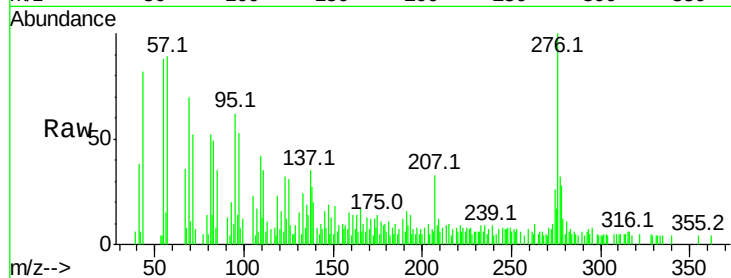




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.308 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.04 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

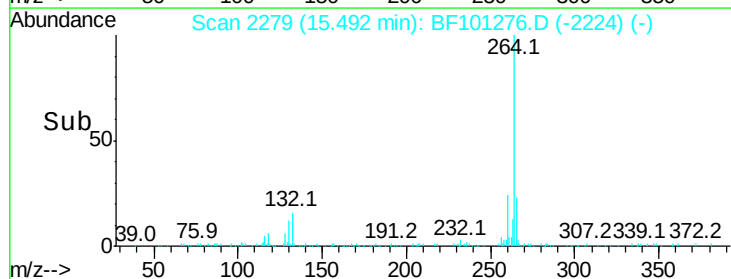
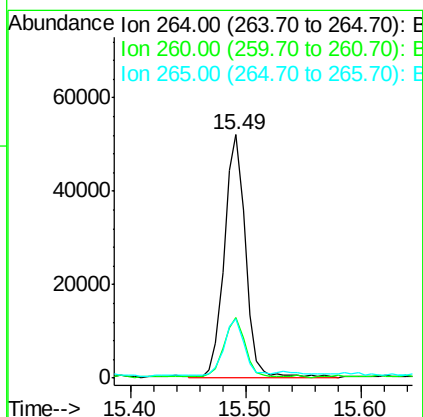
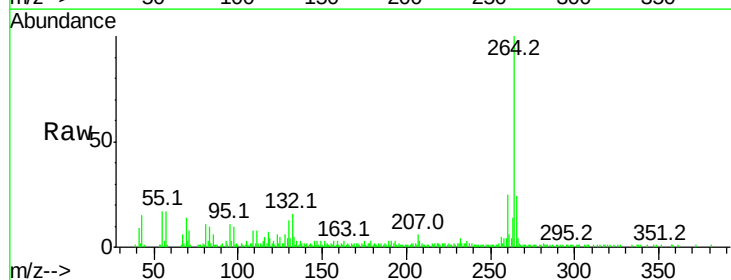
Instrument :
BNA_F
ClientSampleId :

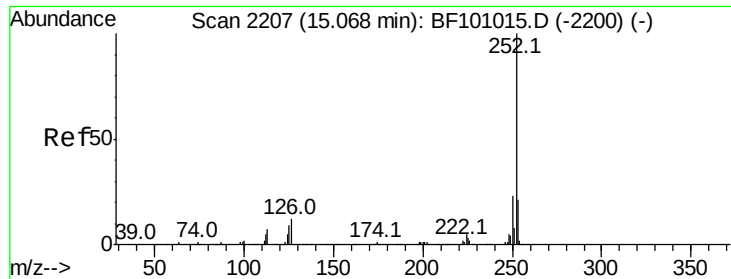
Tot Ion:276 Resp: 14866
Ion Ratio Lower Upper
276 100
138 22.7 25.0 37.6#
277 27.2 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

Tgt Ion:264 Resp: 66932
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 24.2 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 13.664 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BF101276.D

Acq: 9 Dec 2017 11:07

Instrument :

BNA_F

ClientSampleId :

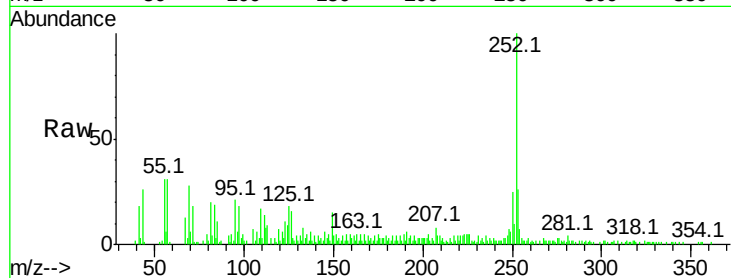
Tot Ion:252 Resp: 54780

Ion Ratio Lower Upper

252 100

253 25.8 17.0 25.6#

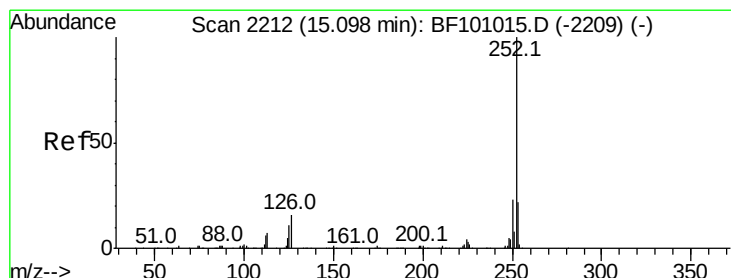
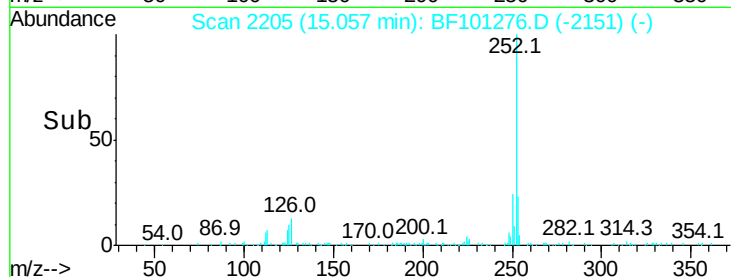
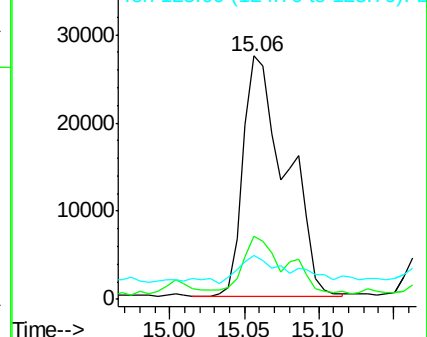
125 18.2 9.0 13.6#



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: 13.869 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF101276.D

Acq: 9 Dec 2017 11:07

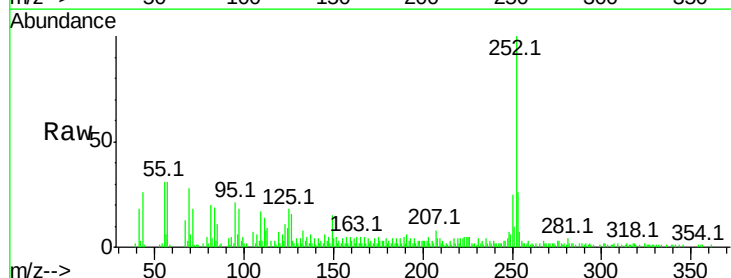
Tgt Ion:252 Resp: 54780

Ion Ratio Lower Upper

252 100

253 25.8 17.9 26.9

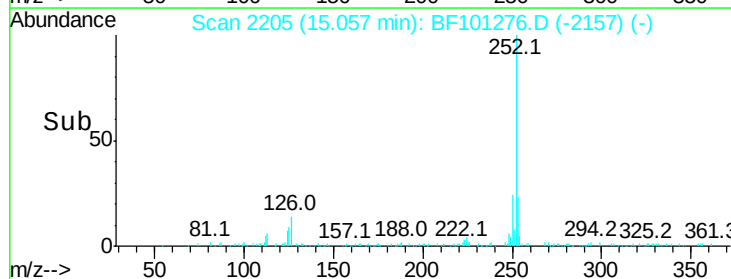
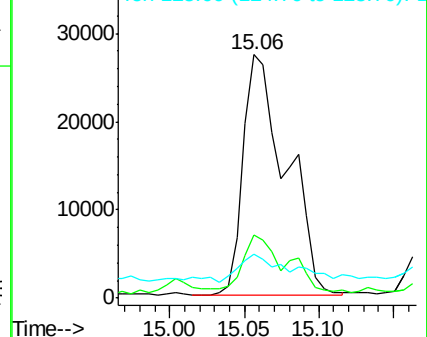
125 18.2 10.2 15.2#

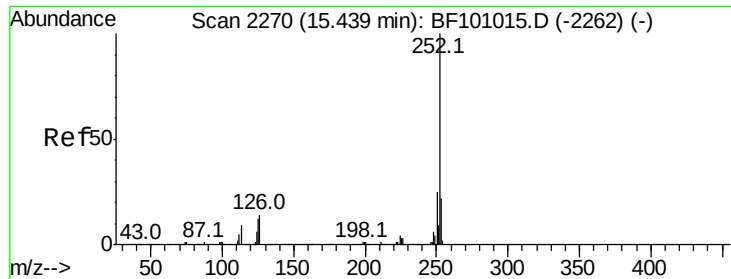


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

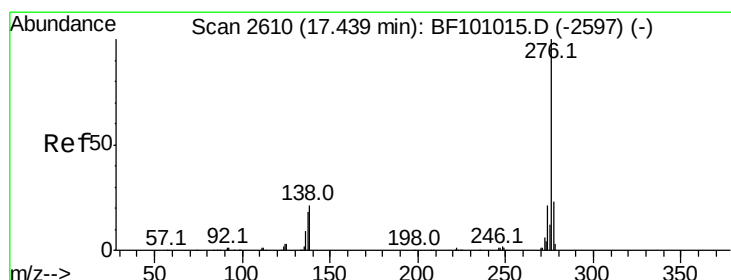
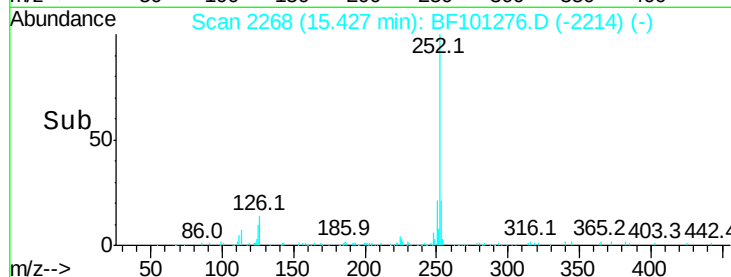
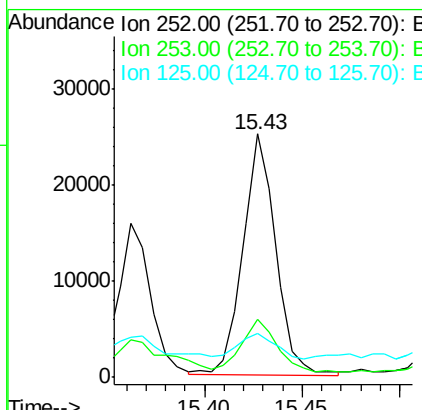
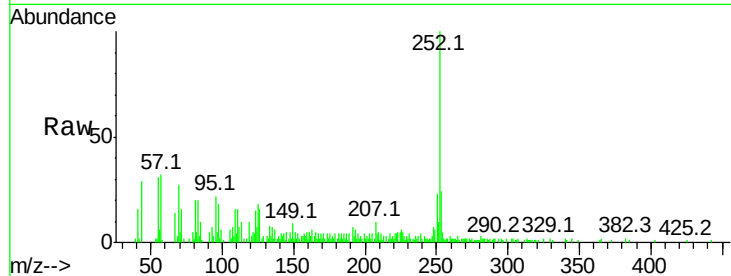




#89
Benzo(a)pyrene
Concen: 8.003 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 29169
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 18.1 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 4.392 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.04 min
Lab File: BF101276.D
Acq: 9 Dec 2017 11:07

Tgt Ion:276 Resp: 13301
Ion Ratio Lower Upper
276 100
277 28.3 17.9 26.9#
138 26.6 21.8 32.8

