

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104832.D
 Acq On : 26 Apr 2018 13:08
 Operator : JU/SJ
 Sample : J2482-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 07:27:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	113535	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	474897	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	217883	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	373489	20.00	ng	0.00
75) Chrysene-d12	13.97	240	228040	20.00	ng	-0.01
86) Perylene-d12	15.44	264	244381	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	669968	90.23	ng	0.00
7) Phenol-d6	6.44	99	816968	89.55	ng	0.00
23) Nitrobenzene-d5	7.36	82	512774	70.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	199655	88.34	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	819542	59.42	ng	0.00
78) Terphenyl-d14	12.92	244	609604	60.95	ng	0.00

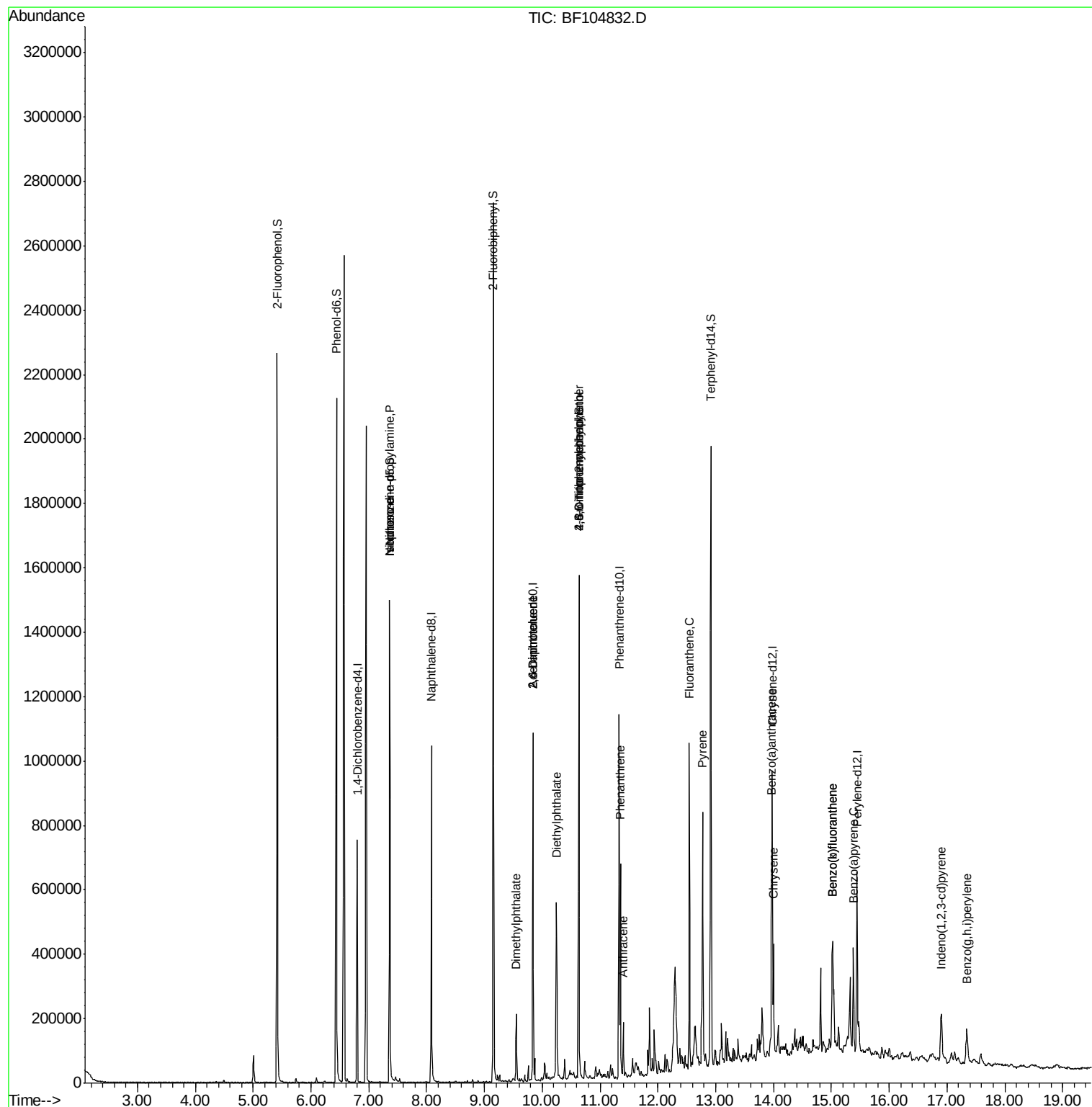
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	66879	11.218	ng	# 69
25) Isophorone	7.36	82	512770	33.342	ng	# 64
49) Dimethylphthalate	9.55	163	77276	4.498	ng	100
50) 2,6-Dinitrotoluene	9.83	165	28176	8.862	ng	# 24
56) 2,4-Dinitrotoluene	9.83	165	28176	6.756	ng	# 22
59) Diethylphthalate	10.25	149	307732	17.984	ng	98
64) 4,6-Dinitro-2-methylphenol	10.63	198	289	7.482	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	11956	3.010	ng	# 1
70) Phenanthrene	11.35	178	216077	10.389	ng	98
71) Anthracene	11.40	178	60319	2.853	ng	99
74) Fluoranthene	12.54	202	357335	16.443	ng	98
76) Benzidine	12.92	184	8035	Below Cal		# 91
77) Pyrene	12.77	202	312345	18.479	ng	100
80) Benzo(a)anthracene	13.96	228	153651	11.278	ng	99
82) Chrysene	14.00	228	136374	9.746	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	91685	7.713	ng	94
87) Benzo(b)fluoranthene	15.02	252	247802	16.055	ng	98
88) Benzo(k)fluoranthene	15.02	252	247802	17.006	ng	99
89) Benzo(a)pyrene	15.38	252	140987	10.209	ng	97
91) Benzo(a,h,i)perylene	17.34	276	88806	8.081	ng	94

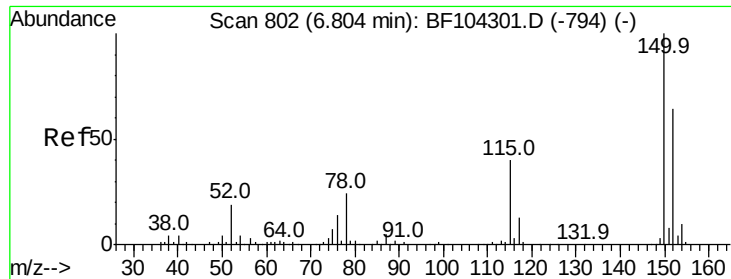
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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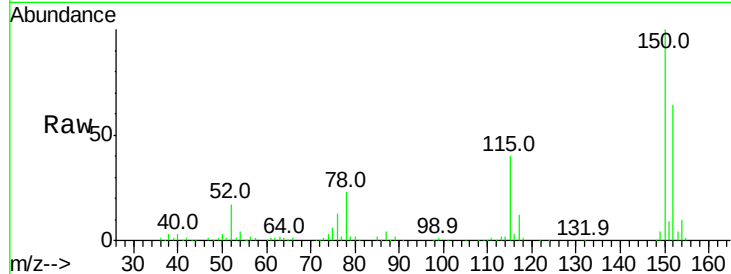


#1

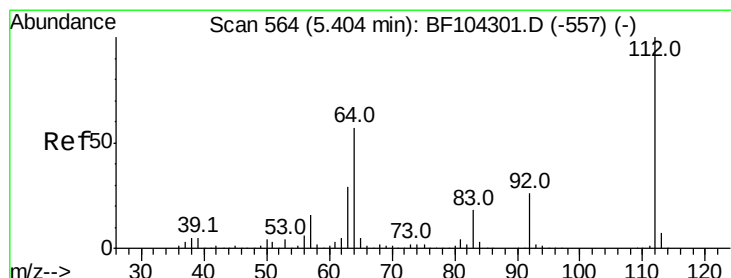
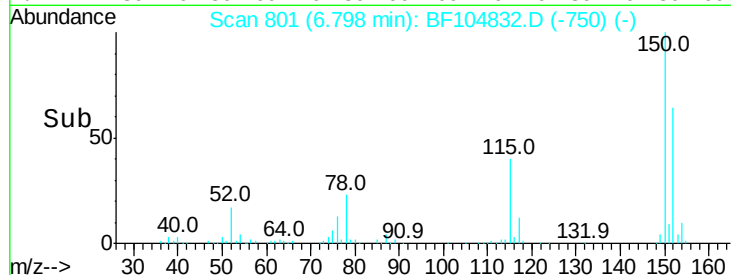
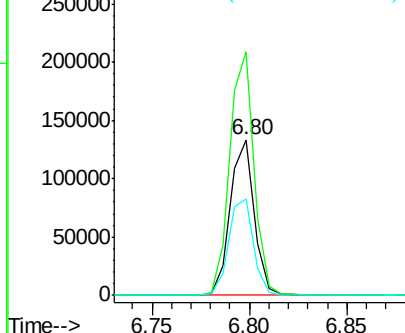
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113535
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 62.1 50.1 75.1



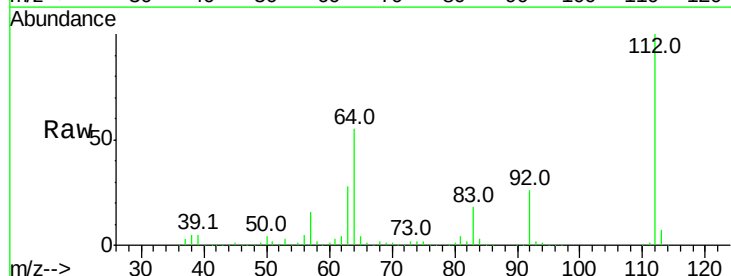
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



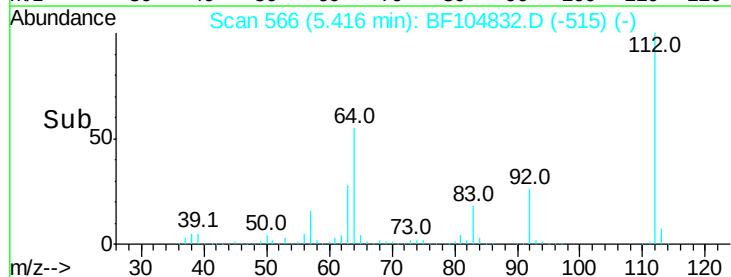
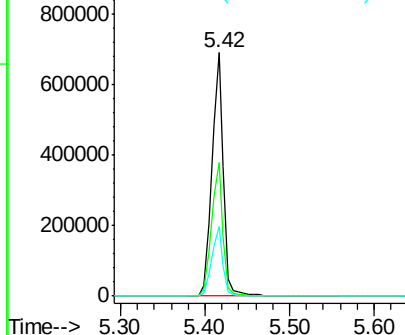
#5

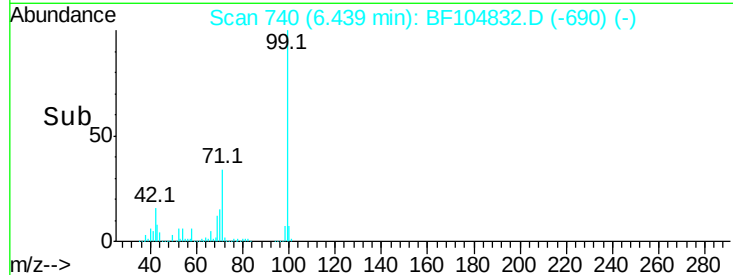
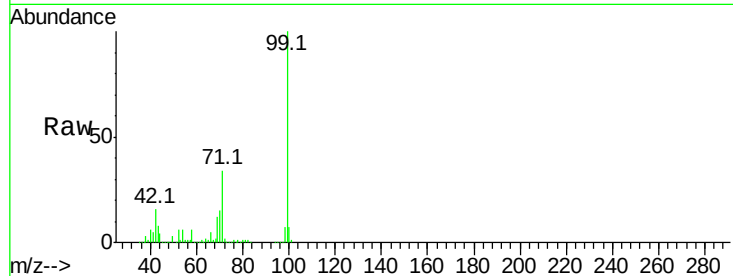
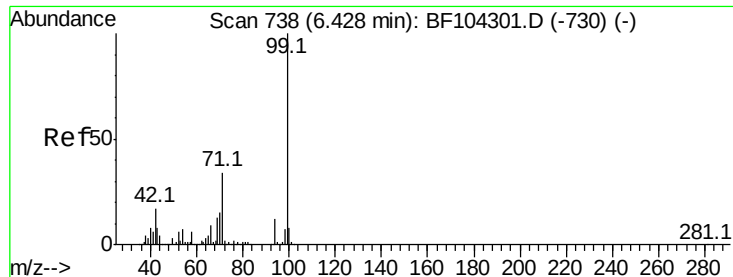
2-Fluorophenol
Concen: 90.229 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Tgt Ion:112 Resp: 669968
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 28.4 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: 89.549 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

ClientSampleId :

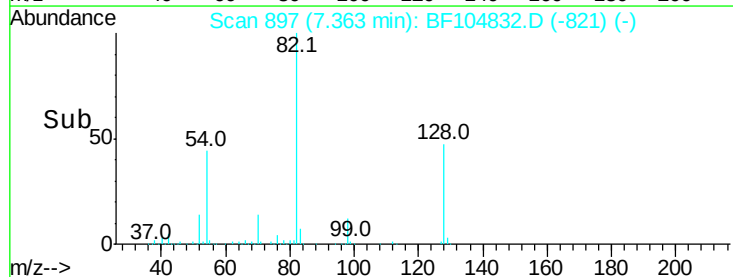
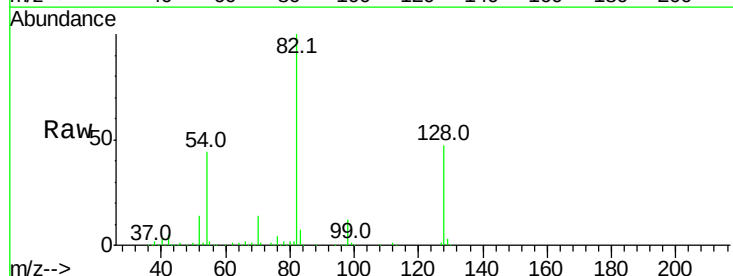
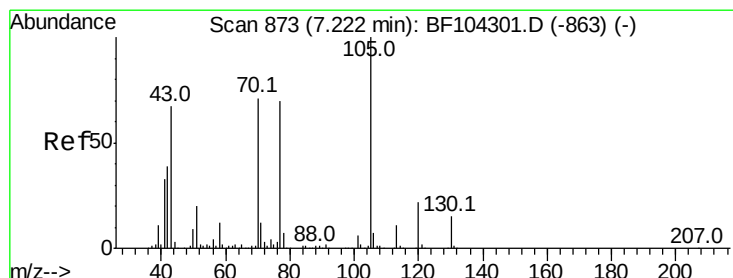
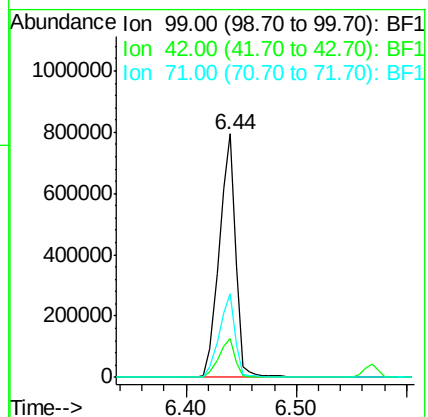
Tot Ion: 99 Resp: 816968

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

71 34.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.218 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Tgt Ion: 70 Resp: 66879

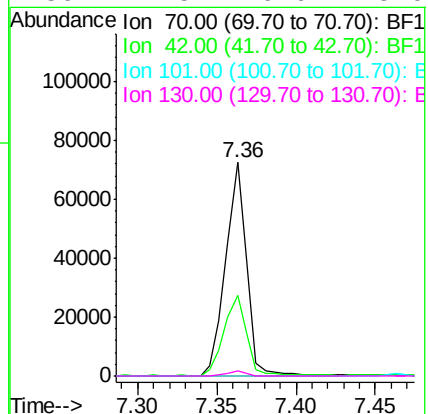
Ion Ratio Lower Upper

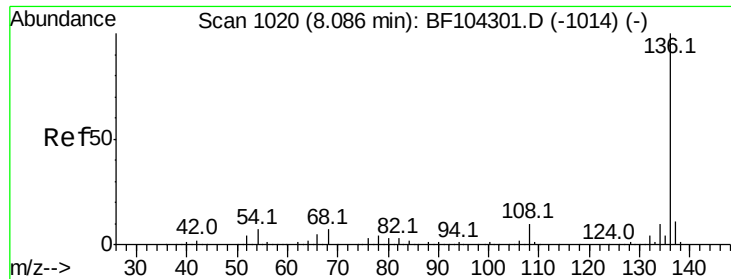
70 100

42 38.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

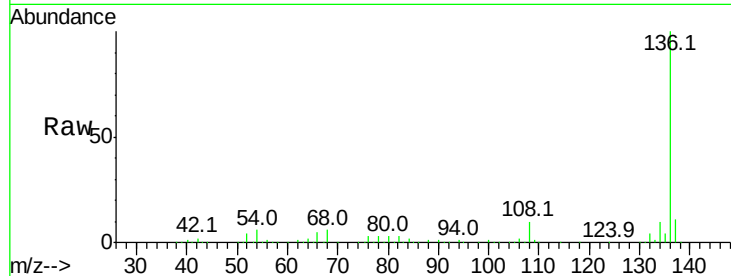




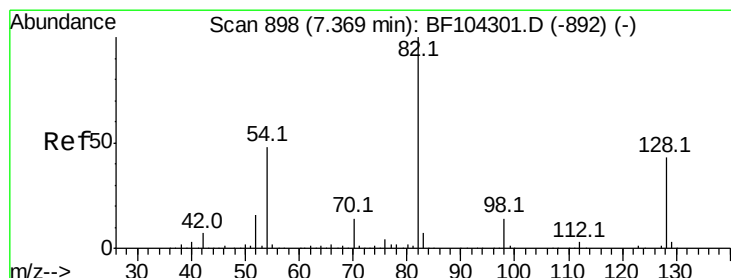
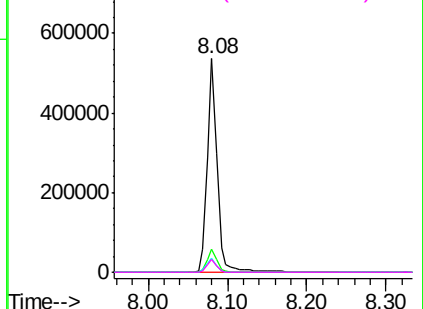
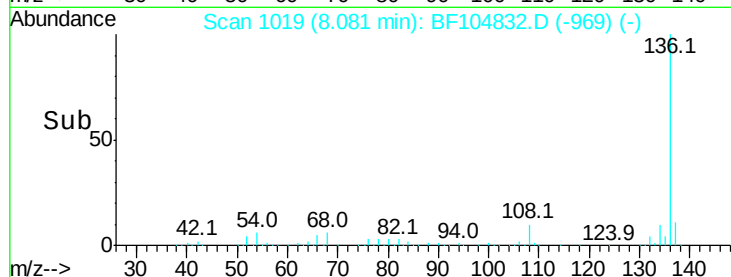
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	474897
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.5	6.6	9.8#
68	5.8	5.0	7.4

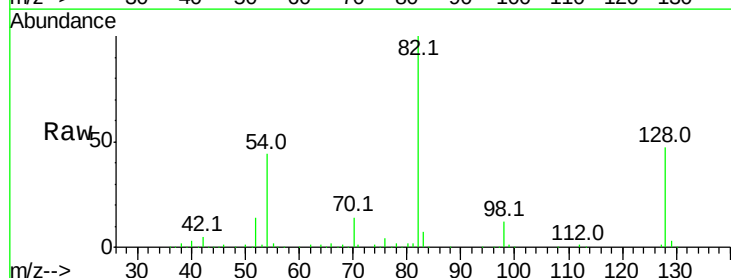


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

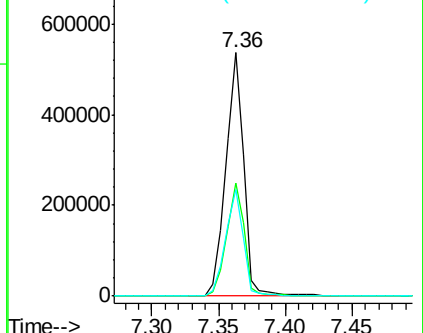
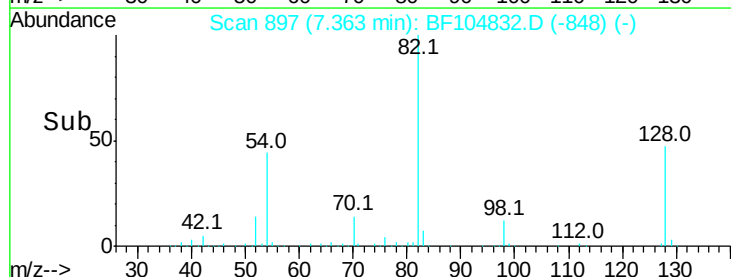


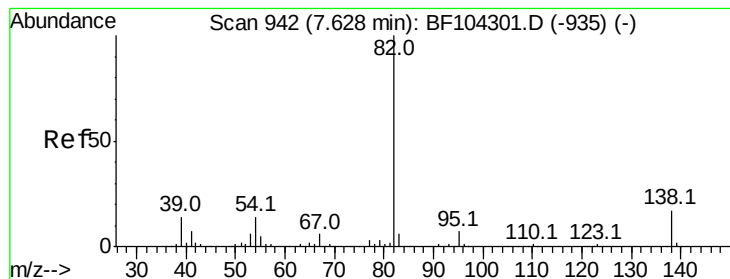
#23
Nitrobenzene-d5
Concen: 70.506 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Tgt Ion:	82	Resp:	512774
Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	44.0	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: 33.342 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

ClientSampleId :

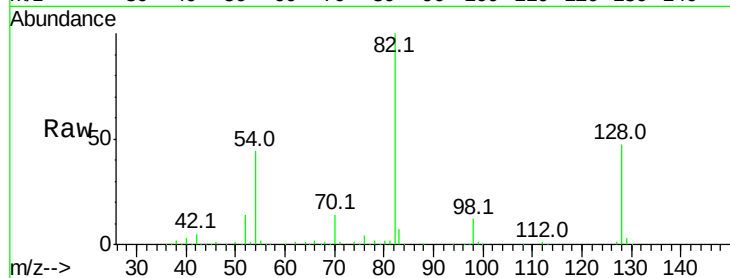
Tot Ion: 82 Resp: 512770

Ion Ratio Lower Upper

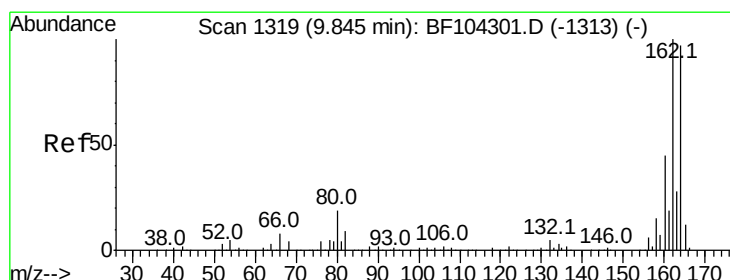
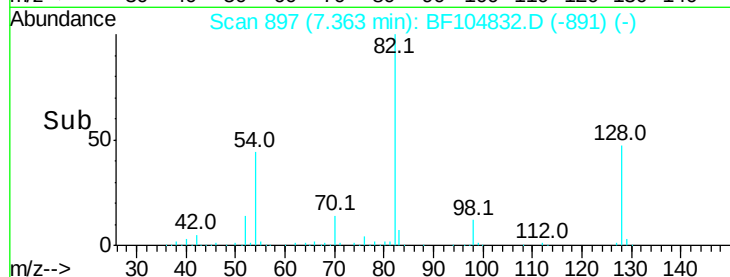
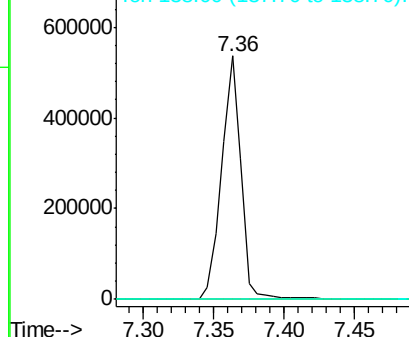
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

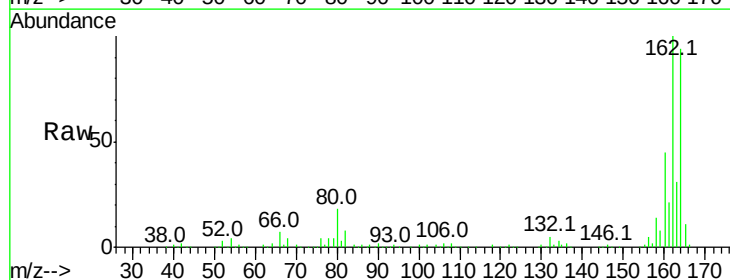
Tgt Ion: 164 Resp: 217883

Ion Ratio Lower Upper

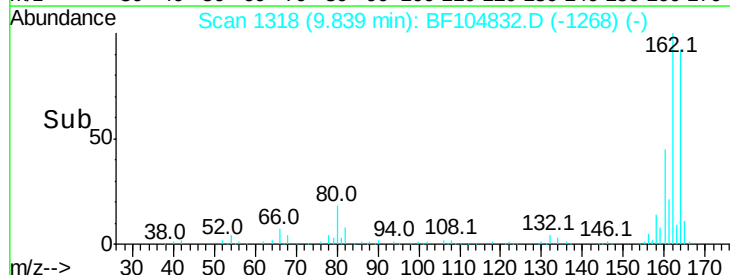
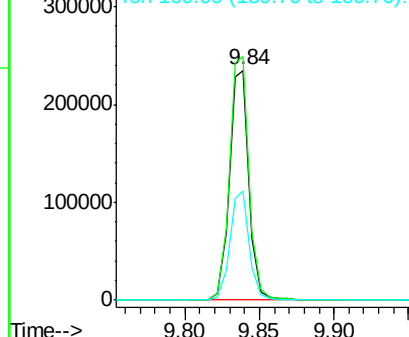
164 100

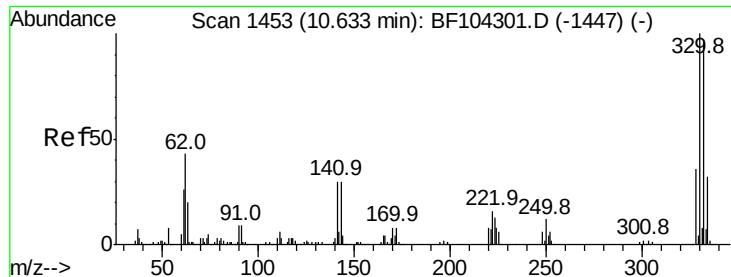
162 106.1 86.1 129.1

160 47.8 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

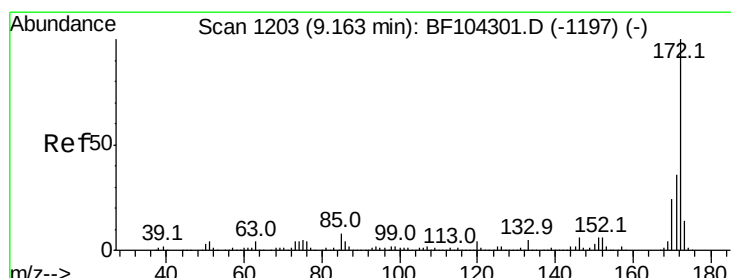
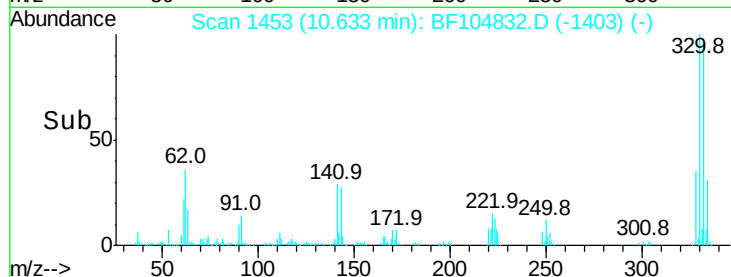
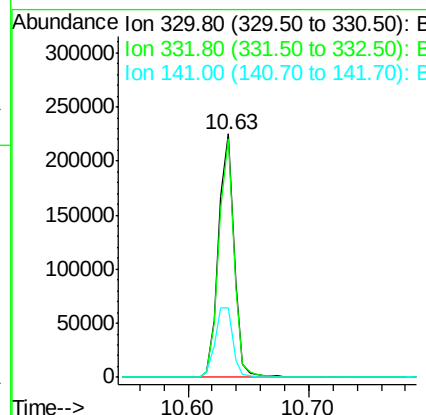
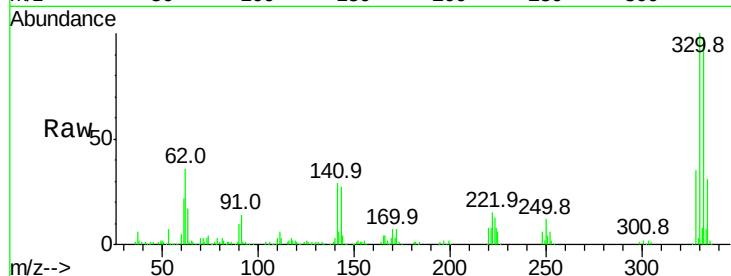




#41
 2,4,6-Tribromophenol
 Concen: 88.337 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104832.D
 Acq: 26 Apr 2018 13:08

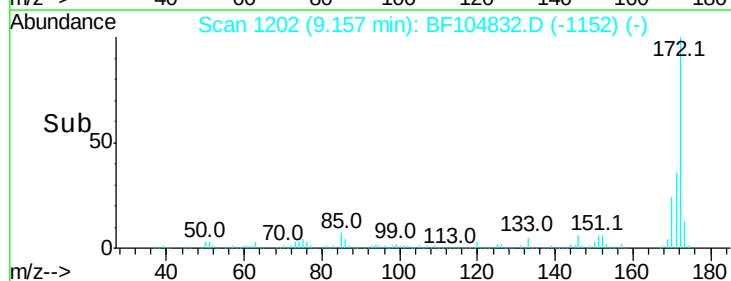
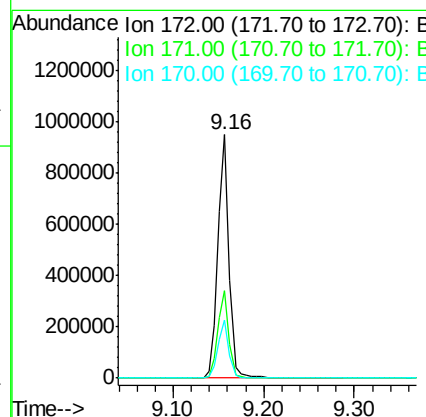
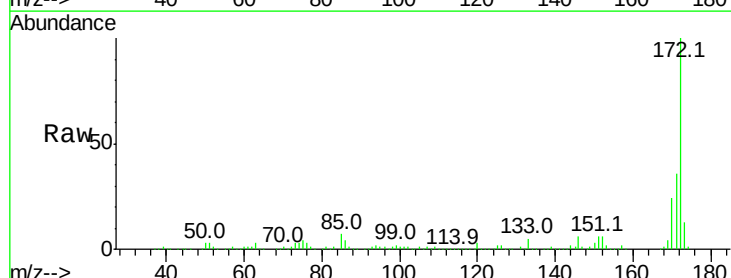
Instrument :
 BNA_F
 ClientSampleId :

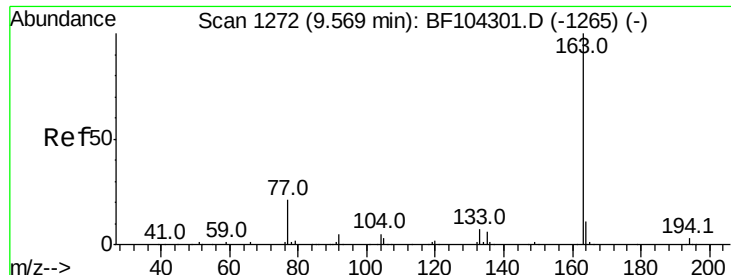
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	32.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 59.421 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104832.D
 Acq: 26 Apr 2018 13:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.9	19.6	29.4

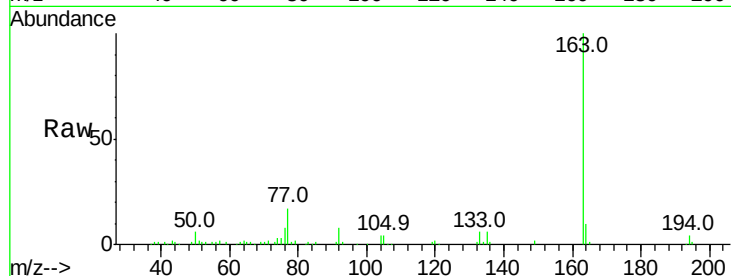




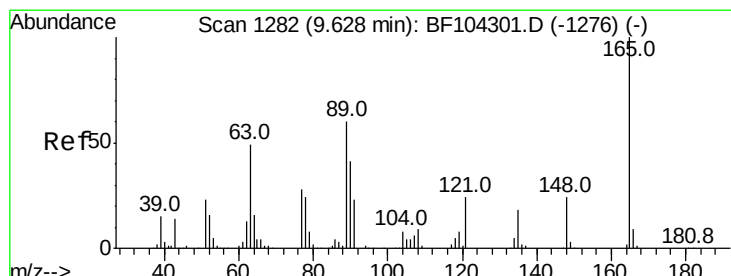
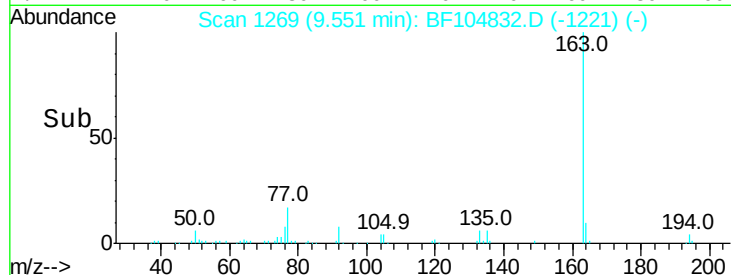
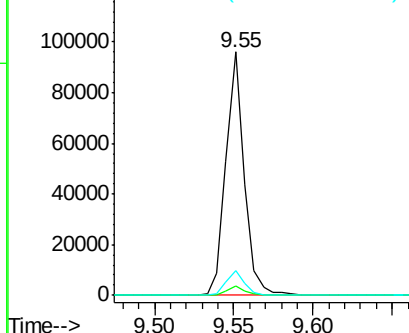
#49
Dimethylphthalate
Concen: 4.498 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 77276
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.2 8.2 12.2

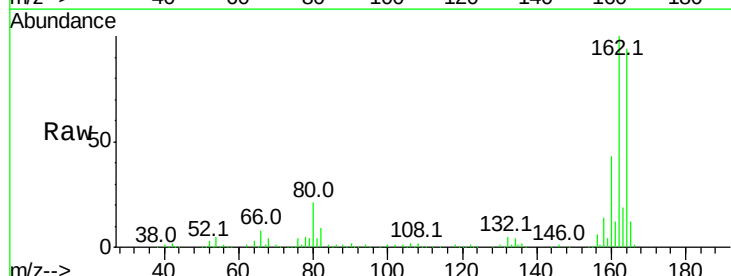


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

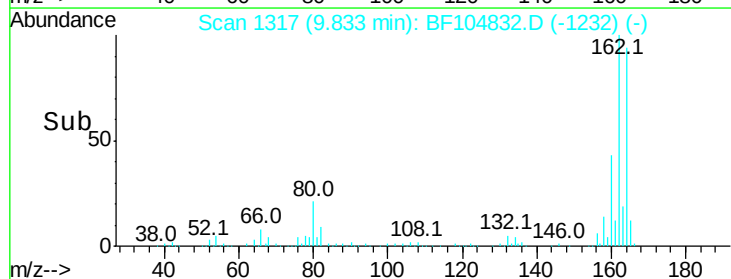
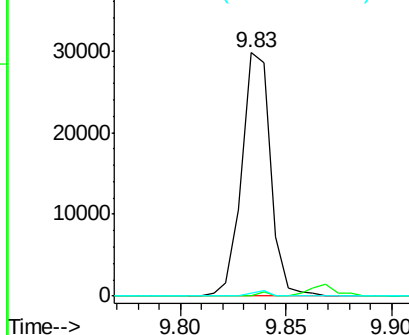


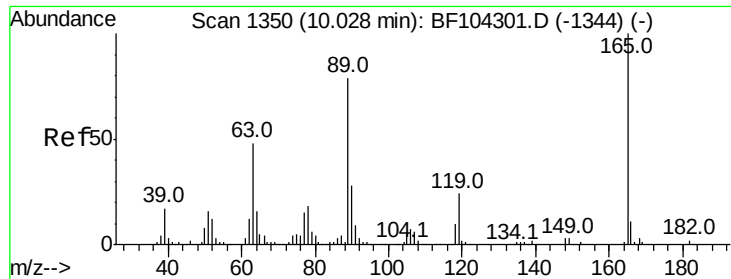
#50
2,6-Dinitrotoluene
Concen: 8.862 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.20 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Tgt Ion:165 Resp: 28176
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.2 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

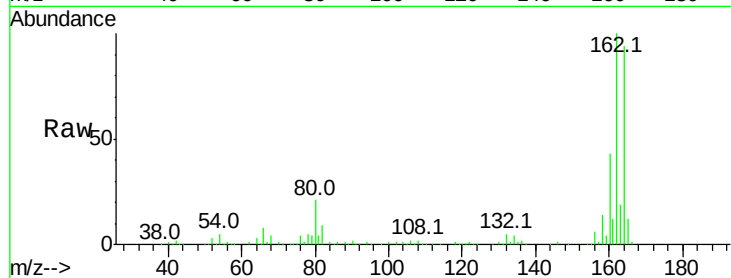




#56
2,4-Dinitrotoluene
Concen: 6.756 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.21 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

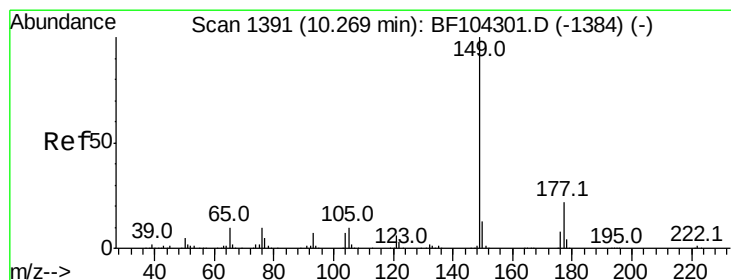
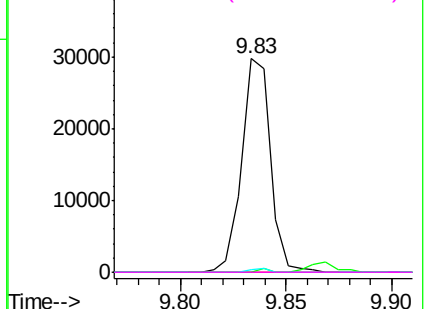
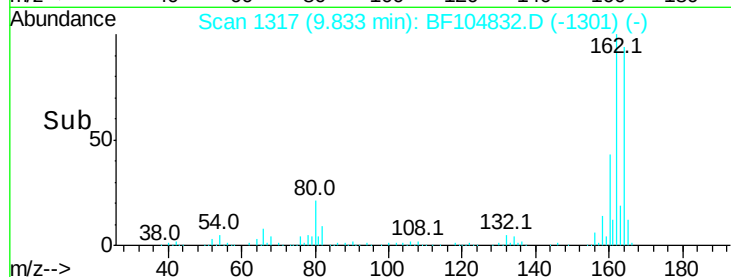


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

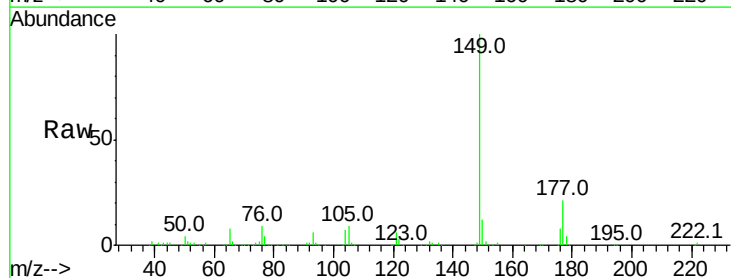
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#59
Diethylphthalate
Concen: 17.984 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.02 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

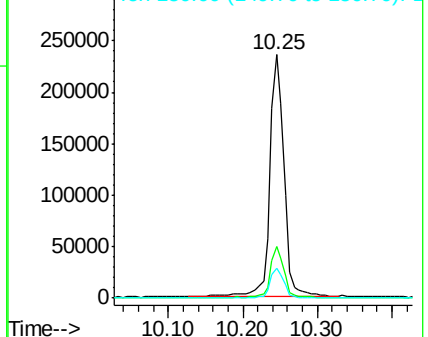
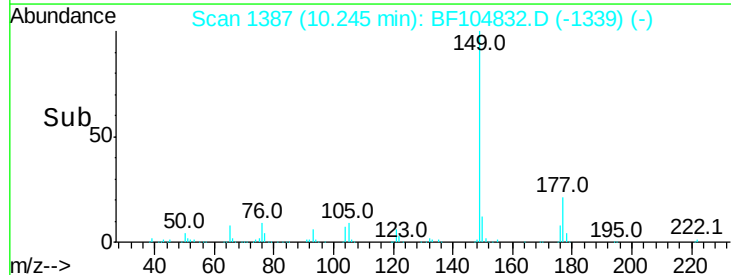
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.3	16.1	24.1
150	12.2	10.1	15.1

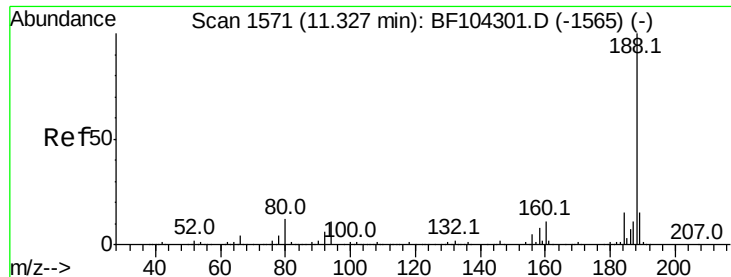


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

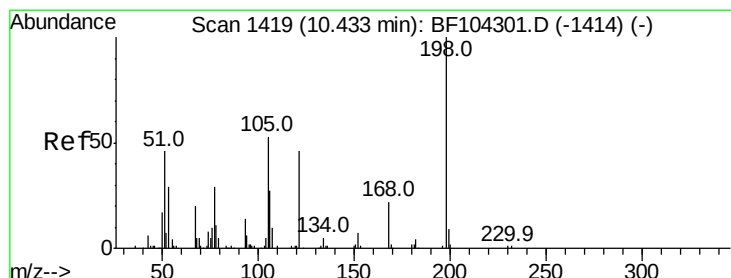
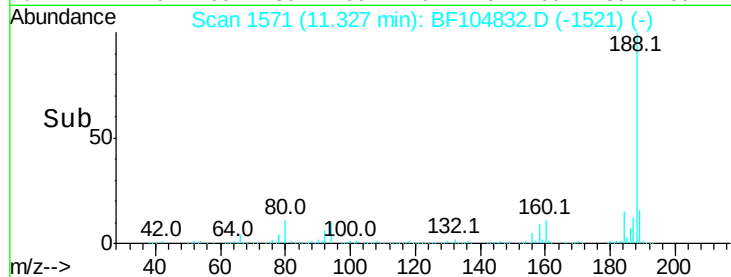
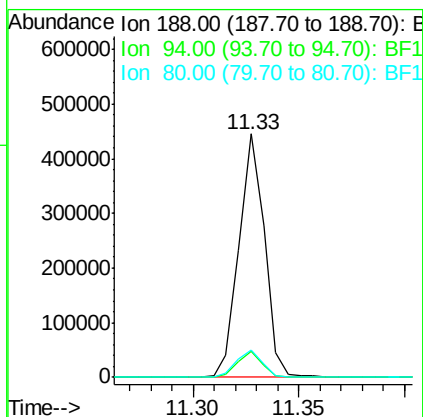
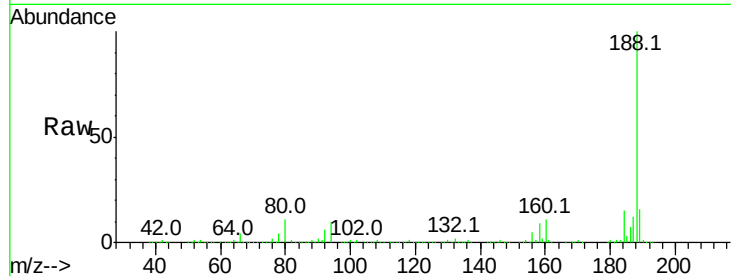




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

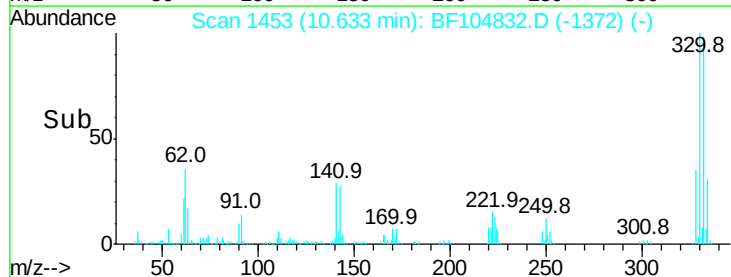
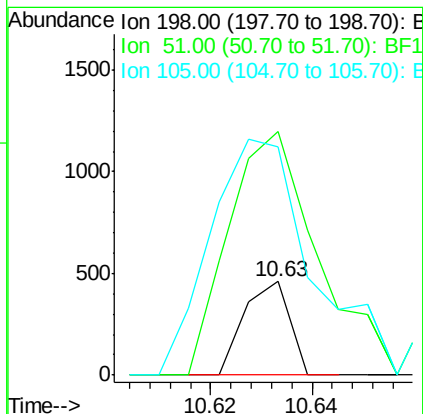
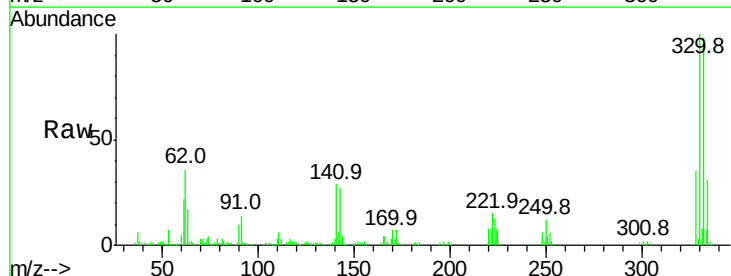
Instrument :
BNA_F
ClientSampleId :

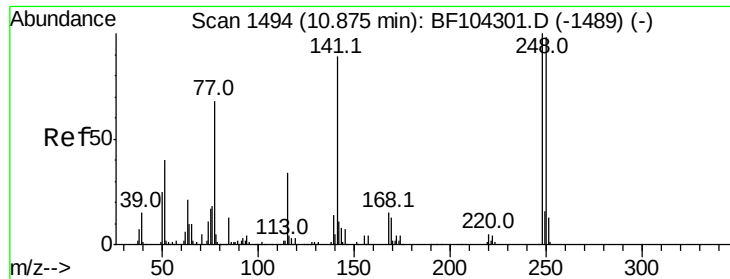
Tot Ion:188 Resp: 373489
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.482 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Tgt Ion:198 Resp: 289
Ion Ratio Lower Upper
198 100
51 260.2 37.7 77.7#
105 244.6 36.3 76.3#

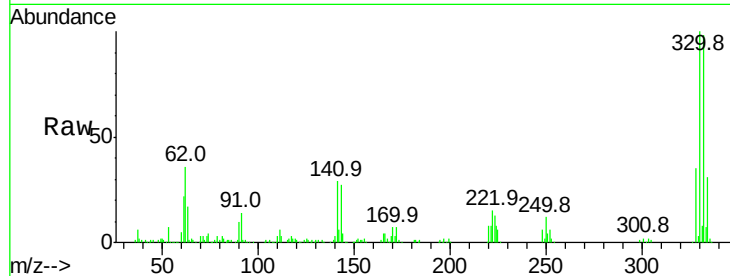




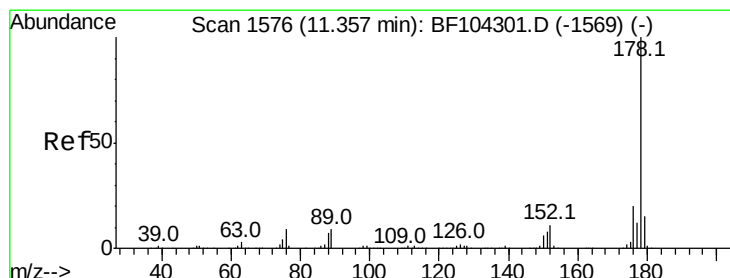
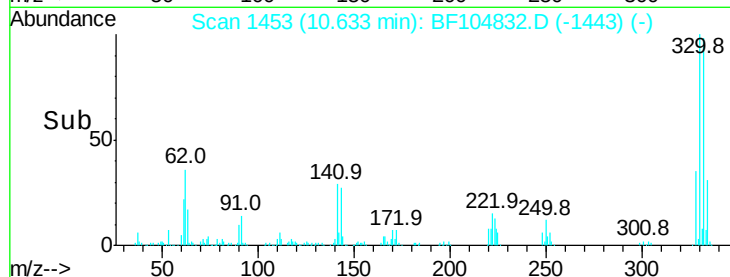
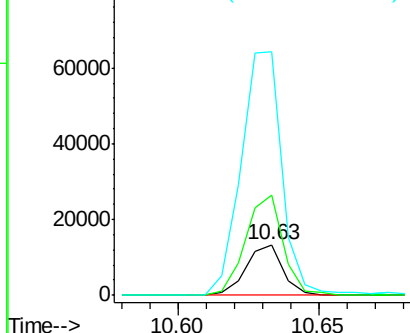
#66
 4-Bromophenyl-phenylether
 Concen: 3.010 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104832.D
 Acq: 26 Apr 2018 13:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11956
 Ion Ratio Lower Upper
 248 100
 250 198.0 76.9 115.3#
 141 481.3 74.4 111.6#

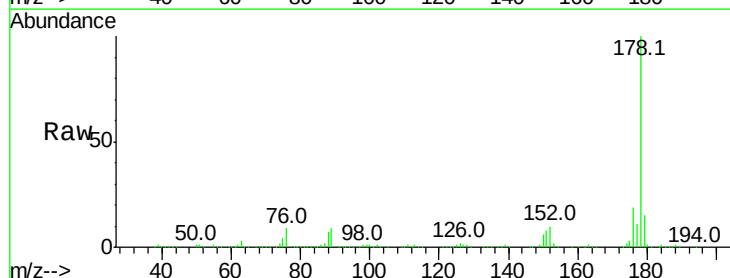


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

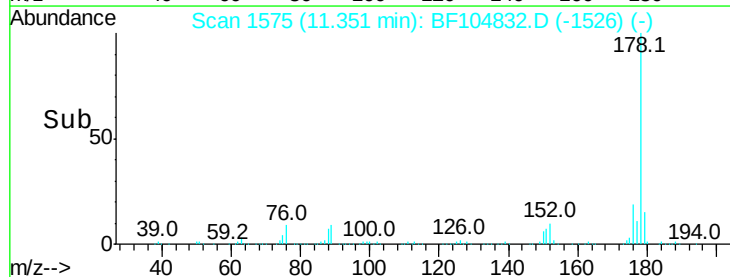
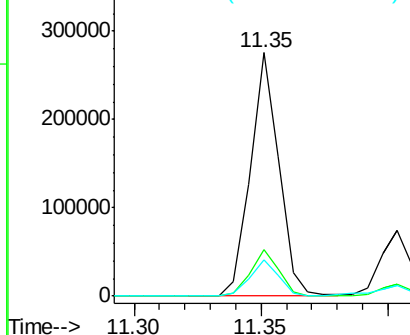


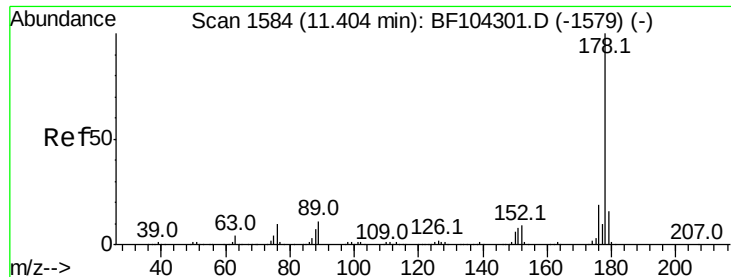
#70
 Phenanthrene
 Concen: 10.389 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF104832.D
 Acq: 26 Apr 2018 13:08

Tgt Ion:178 Resp: 216077
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.2 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: 2.853 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

ClientSampled :

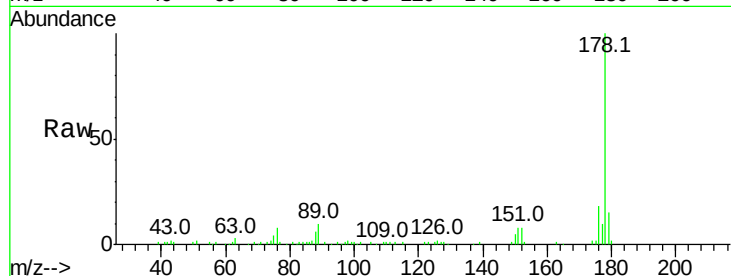
Tot Ion:178 Resp: 60319

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

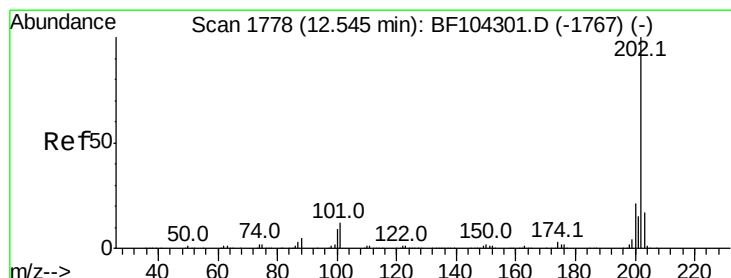
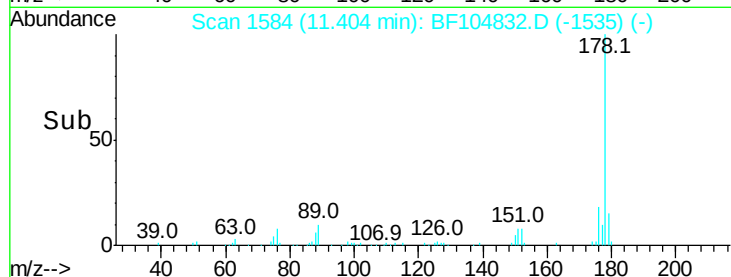
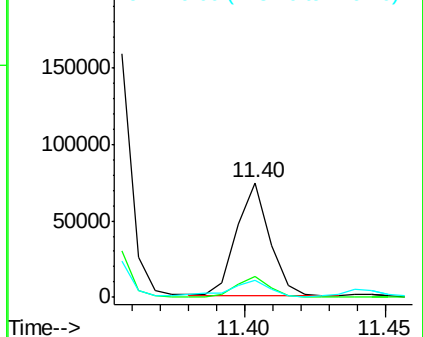
179 15.4 12.6 19.0



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: 16.443 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

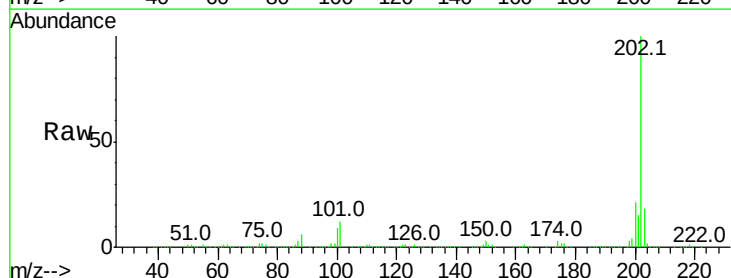
Tgt Ion:202 Resp: 357335

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

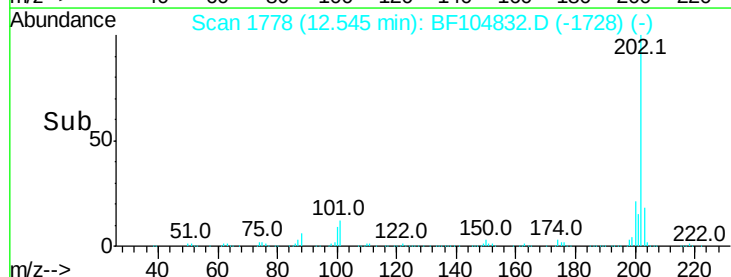
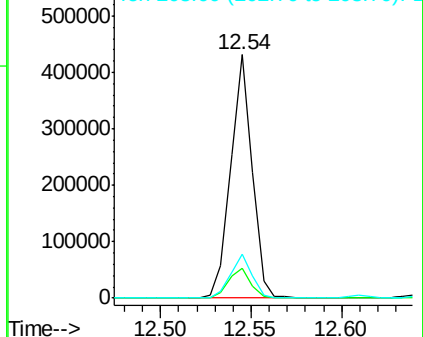
203 17.8 0.0 38.1

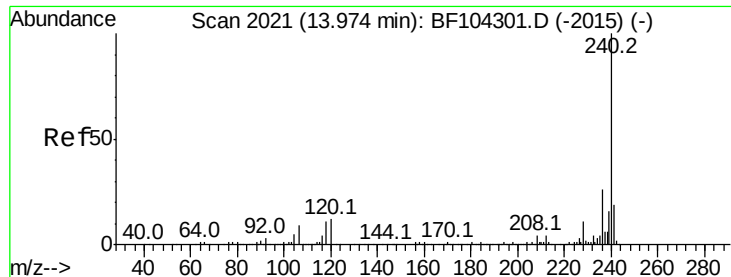


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2021

Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

ClientSampleId :

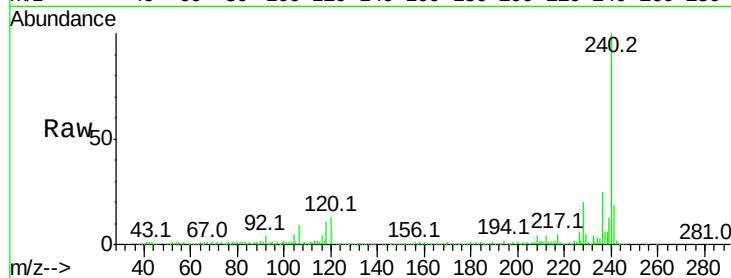
Tot Ion:240 Resp: 228040

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

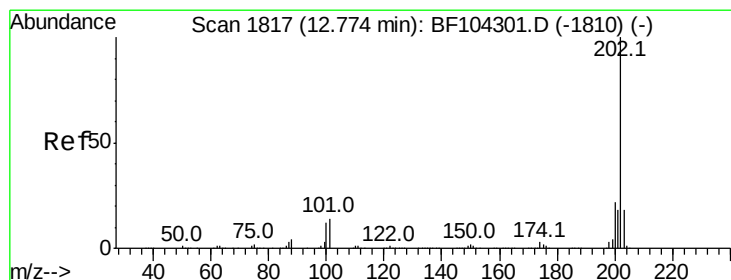
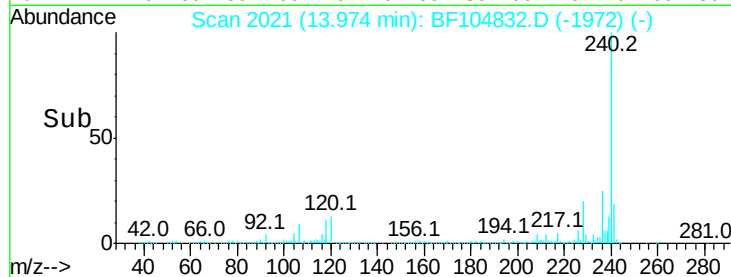
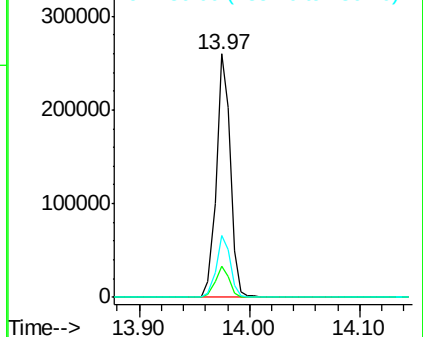
236 25.4 20.7 31.1



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

Pyrene

Concen: 18.479 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

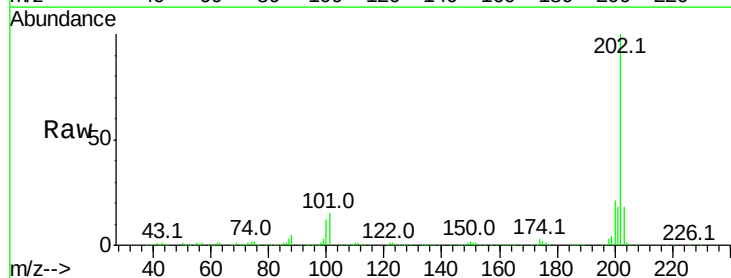
Tgt Ion:202 Resp: 312345

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

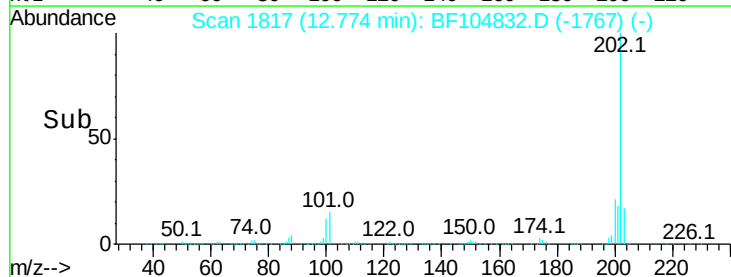
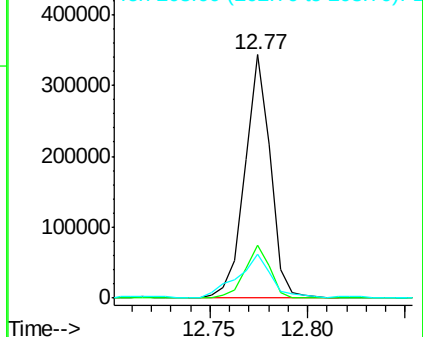
203 17.8 14.3 21.5

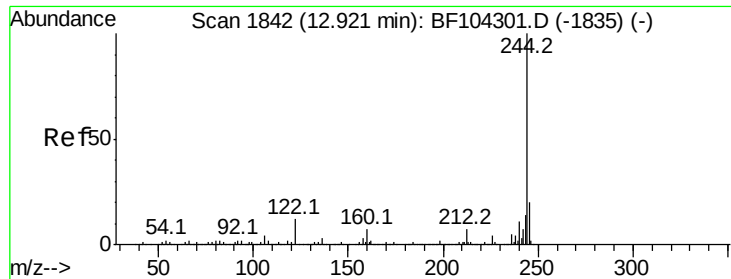


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

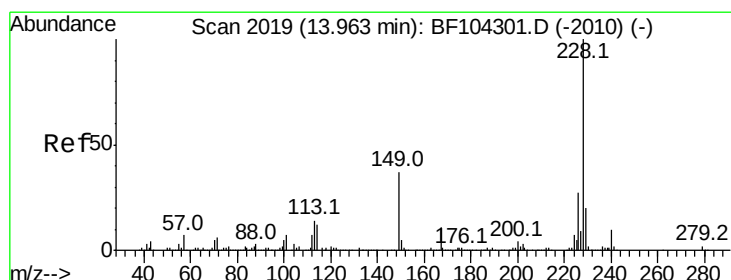
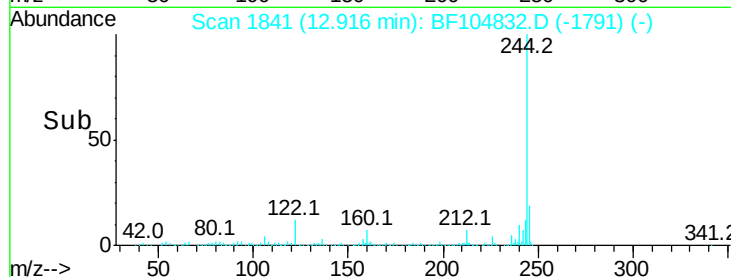
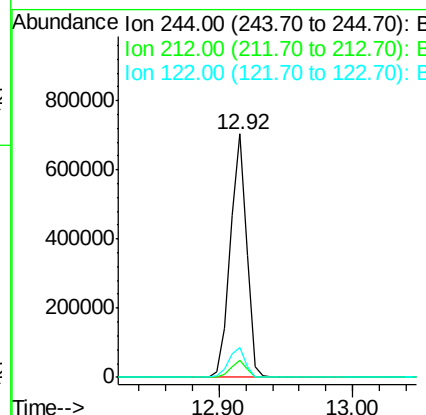
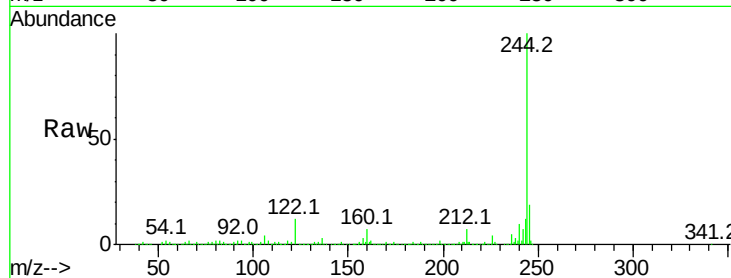




#78
 Terphenyl-d14
 Concen: 60.945 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104832.D
 Acq: 26 Apr 2018 13:08

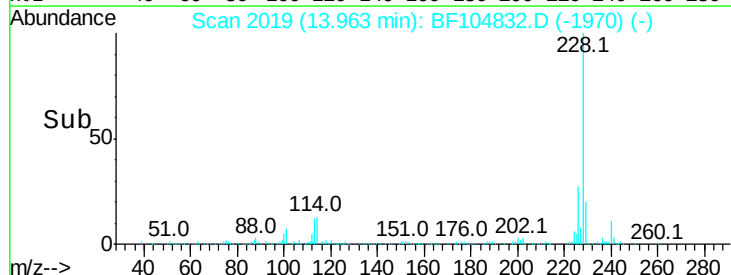
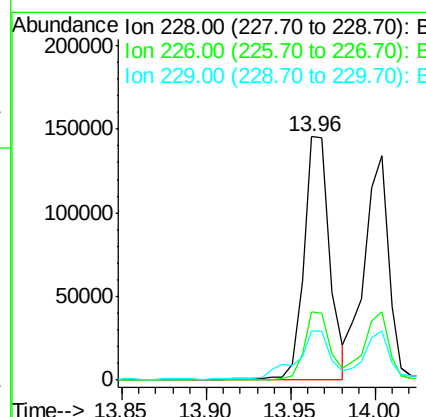
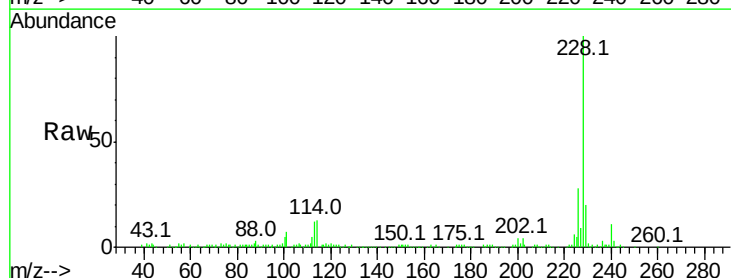
Instrument :
 BNA_F
 ClientSampleId :

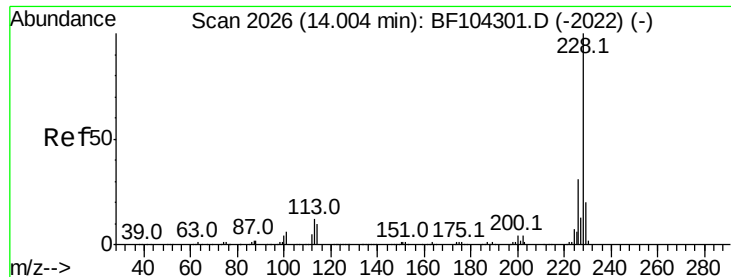
Tot Ion:244 Resp: 609604
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 11.278 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF104832.D
 Acq: 26 Apr 2018 13:08

Tgt Ion:228 Resp: 153651
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.6 33.8
 229 20.1 15.8 23.6

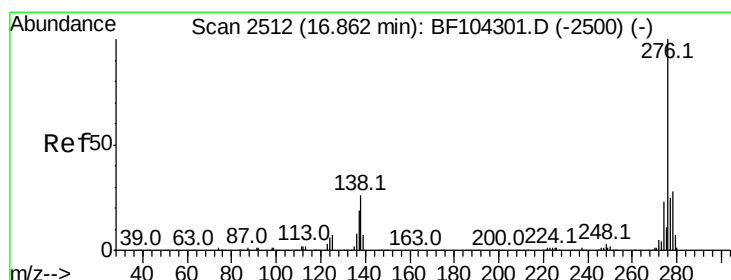
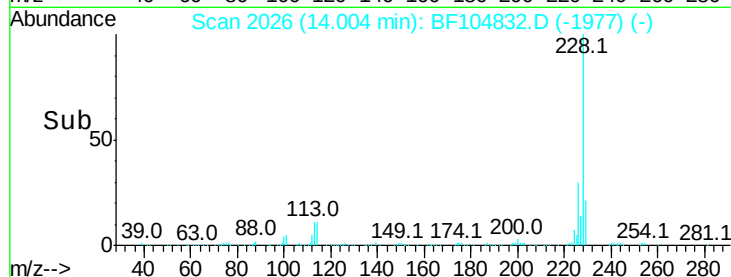
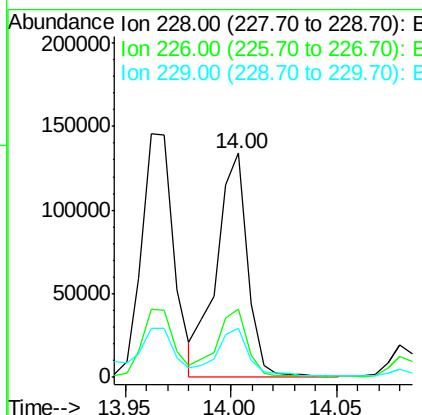
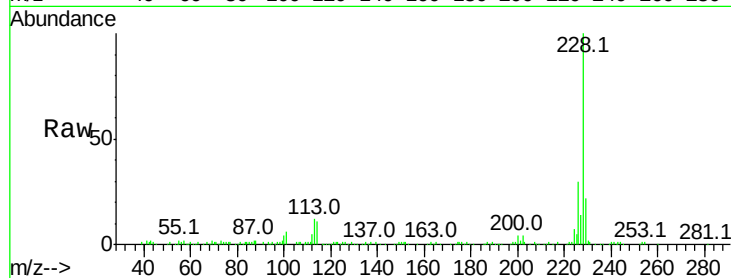




#82
Chrysene
Concen: 9.746 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

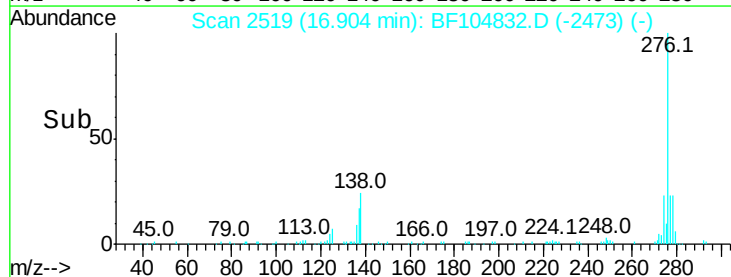
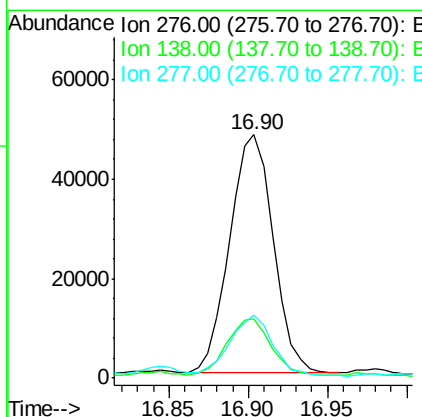
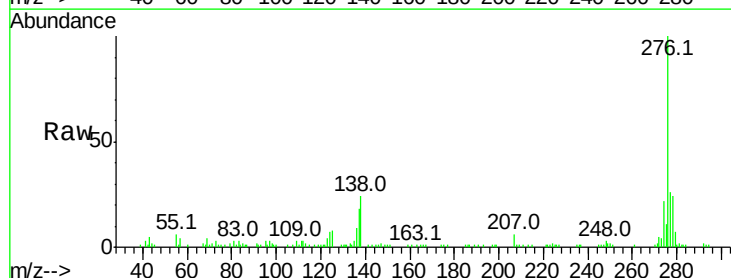
Instrument :
BNA_F
ClientSampleId :

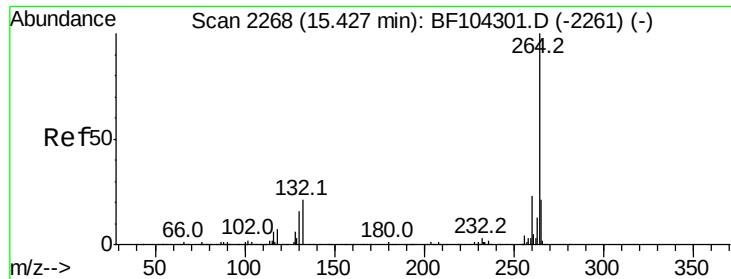
Tot Ion:228 Resp: 136374
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 21.9 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.713 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.03 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Tgt Ion:276 Resp: 91685
Ion Ratio Lower Upper
276 100
138 25.9 25.0 37.6
277 25.2 20.1 30.1

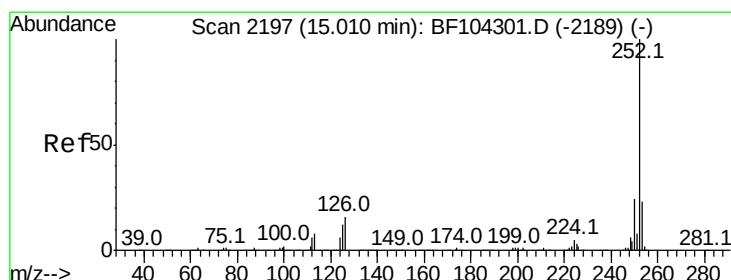
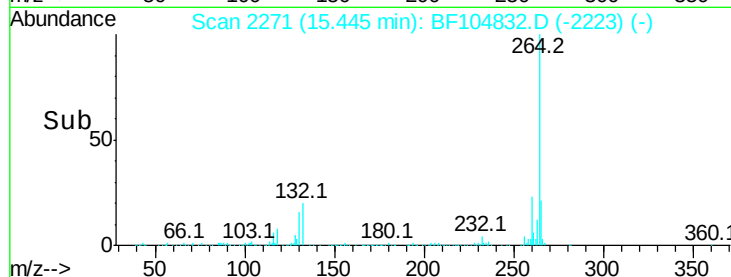
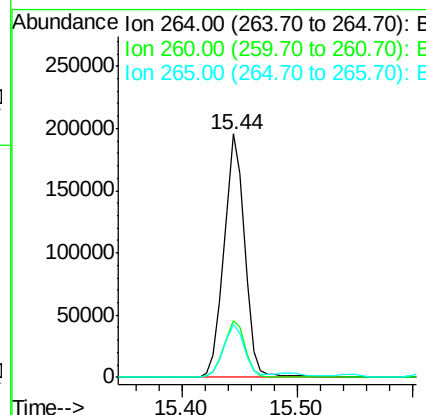
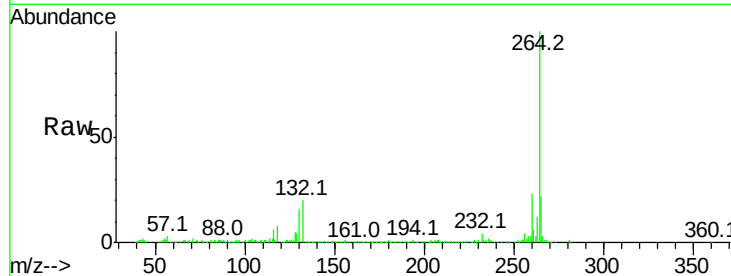




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

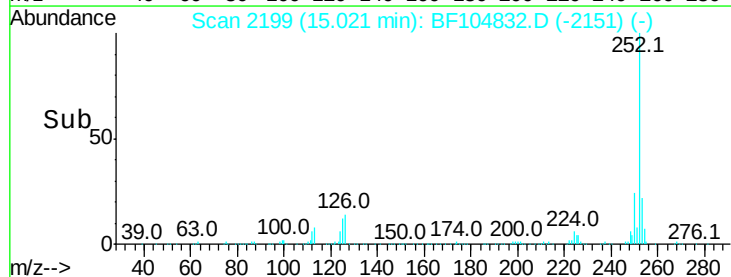
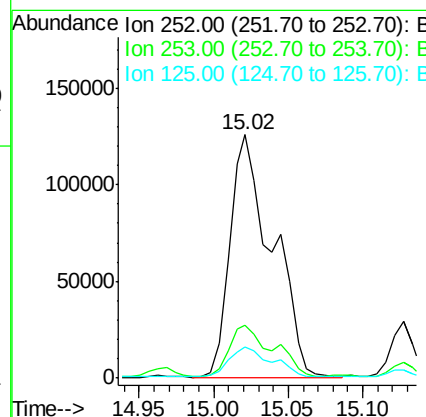
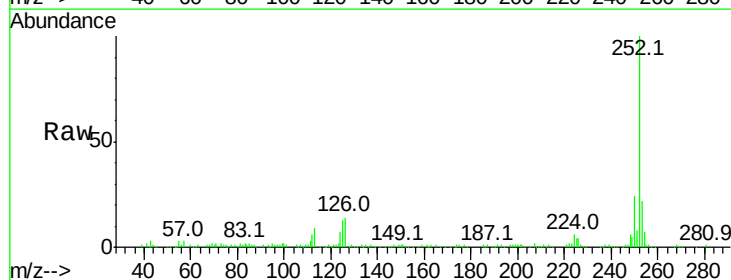
Instrument :
BNA_F
ClientSampleId :

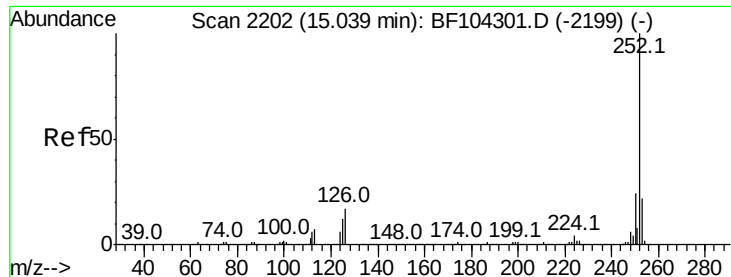
Tot Ion:264 Resp: 244381
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 16.055 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Tgt Ion:252 Resp: 247802
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 12.6 9.0 13.6

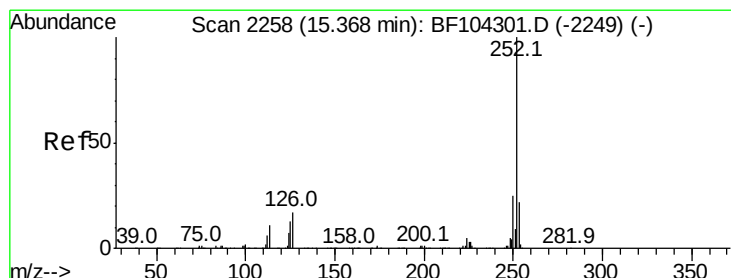
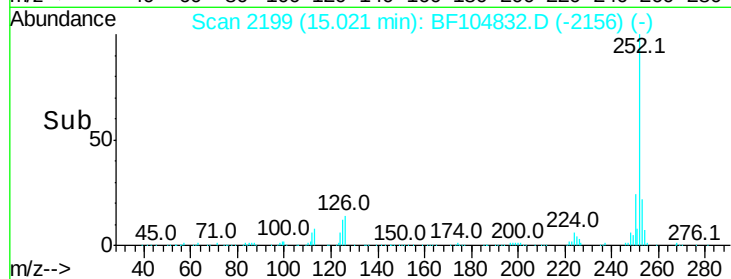
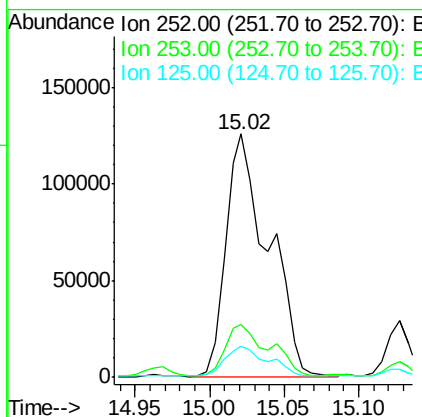
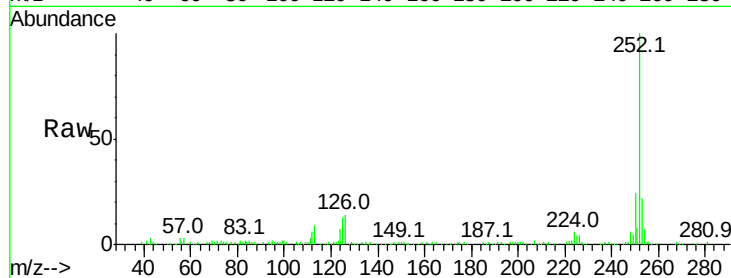




#88
Benzo(k)fluoranthene
Concen: 17.006 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

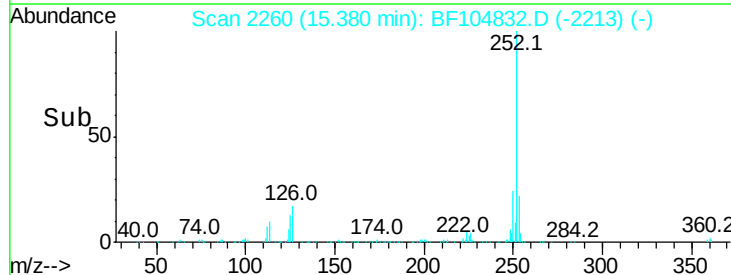
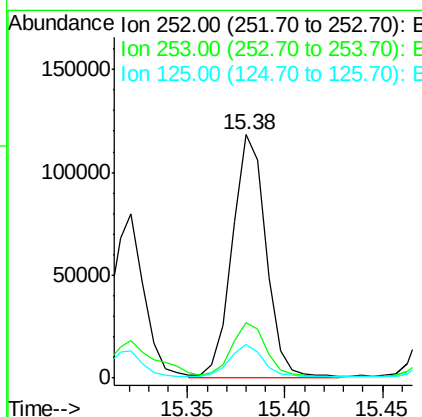
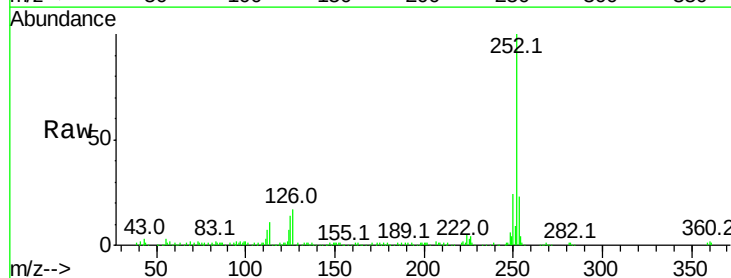
Instrument :
BNA_F
ClientSampleId :

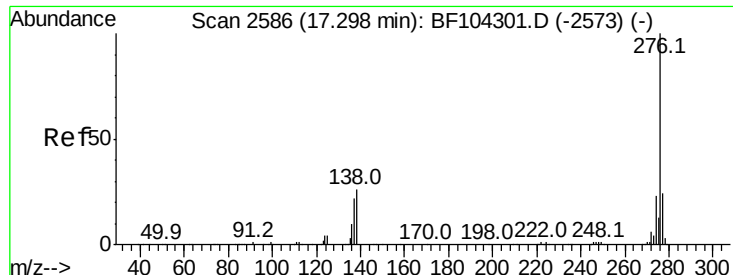
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	12.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 10.209 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104832.D
Acq: 26 Apr 2018 13:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	13.8	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 8.081 ng

RT: 17.34 min Scan# 2594

Delta R.T. -0.04 min

Lab File: BF104832.D

Acq: 26 Apr 2018 13:08

Instrument :

BNA_F

ClientSampleId :

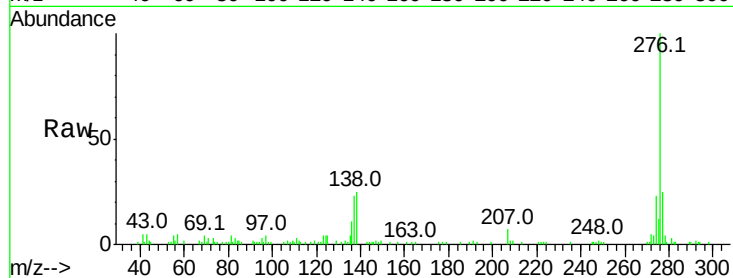
Tot Ion:276 Resp: 88806

Ion Ratio Lower Upper

276 100

277 25.4 17.9 26.9

138 24.5 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

