

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104326.D
 Acq On : 7 Apr 2018 00:35
 Operator : JU/SJ
 Sample : J2248-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

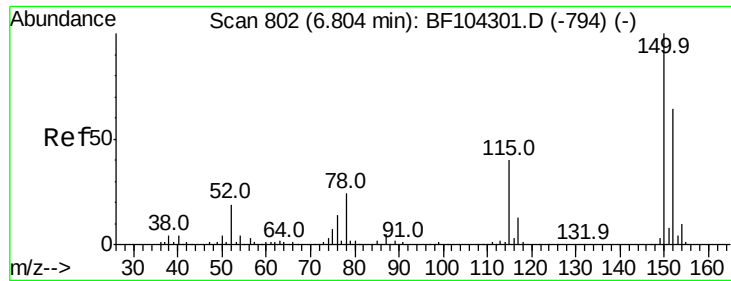
Quant Time: Apr 07 01:57:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	150829	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	604097	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	255194	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	364095	20.00	ng	0.00
75) Chrysene-d12	13.97	240	299065	20.00	ng	0.00
86) Perylene-d12	15.43	264	261980	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	941030	95.40	ng	0.01
7) Phenol-d6	6.43	99	1132709	93.46	ng	0.00
23) Nitrobenzene-d5	7.37	82	669254	72.34	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	214875	81.17	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	925182	57.27	ng	0.00
78) Terphenyl-d14	12.92	244	578790	44.12	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.44	94	30781	2.394	ng	# 73
19) n-Nitroso-di-n-propylamine	7.37	70	87067	10.994	ng	# 75
25) Isophorone	7.37	82	669060	34.200	ng	# 64
49) Dimethylphthalate	9.56	163	80020	3.976	ng	99
50) 2,6-Dinitrotoluene	9.84	165	32955	8.850	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	32955	6.747	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.42	198	425	7.550	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	12912	3.334	ng	# 1
69) Pentachlorophenol	11.13	266	21511	7.979	ng	96
70) Phenanthrene	11.35	178	87305	4.306	ng	98
71) Anthracene	11.40	178	79327	3.849	ng	97
74) Fluoranthene	12.55	202	439879	20.764	ng	97
76) Benzidine	12.92	184	7672	Below Cal		# 88
77) Pyrene	12.77	202	413383	18.648	ng	99
80) Benzo(a)anthracene	13.96	228	181155	10.139	ng	98
82) Chrysene	14.00	228	252347	13.751	ng	98
87) Benzo(b)fluoranthene	15.01	252	234909	14.197	ng	98
88) Benzo(k)fluoranthene	15.01	252	234909	15.038	ng	99
89) Benzo(a)pyrene	15.37	252	69017	4.662	ng	98

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

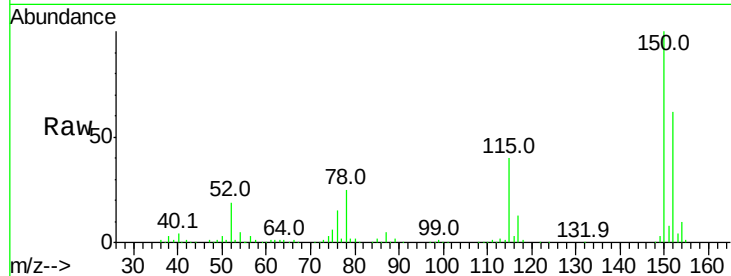


#1

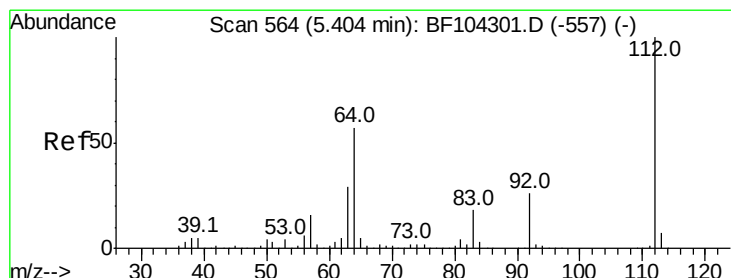
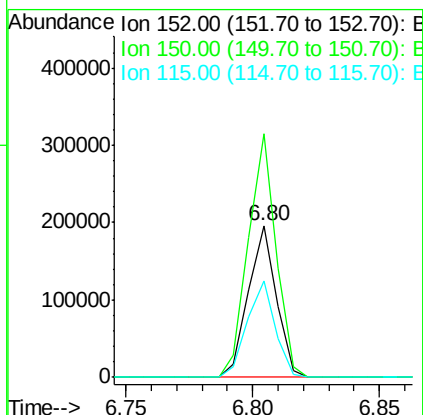
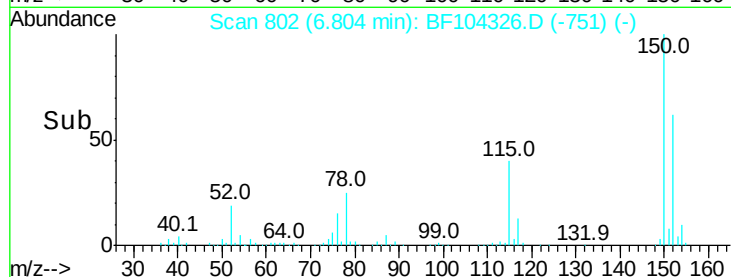
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 150829
Ion Ratio Lower Upper
152 100
150 160.6 124.6 186.8
115 63.8 50.1 75.1



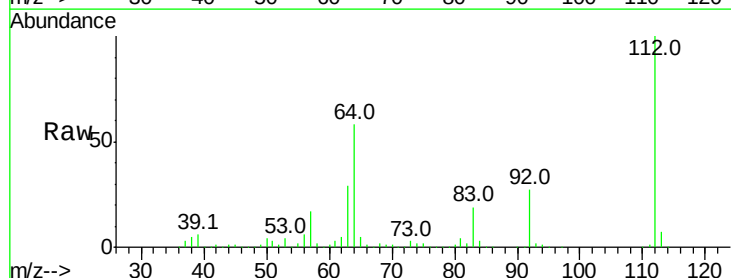
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



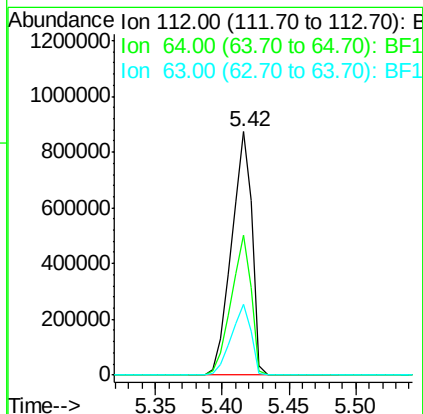
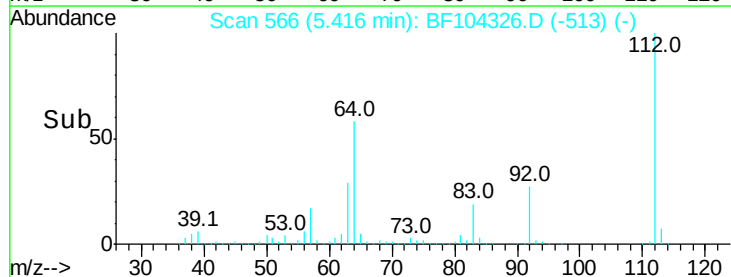
#5

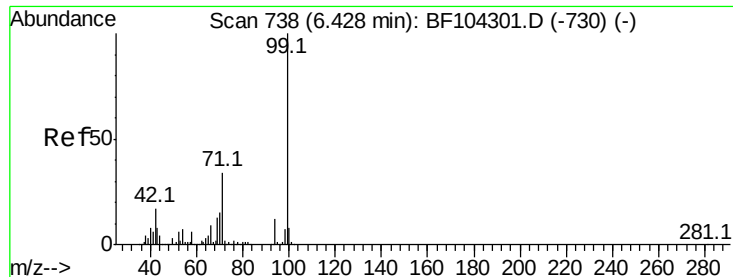
2-Fluorophenol
Concen: 95.399 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion:112 Resp: 941030
Ion Ratio Lower Upper
112 100
64 57.5 47.9 71.9
63 29.3 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: 93.459 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

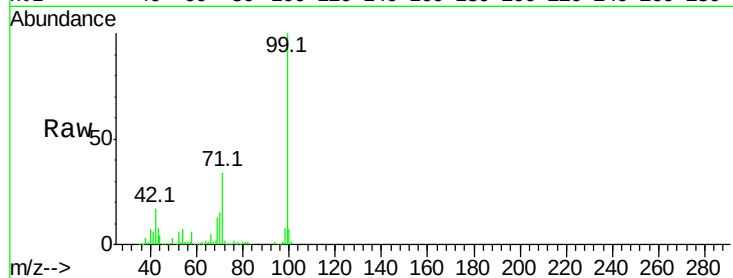
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1132709

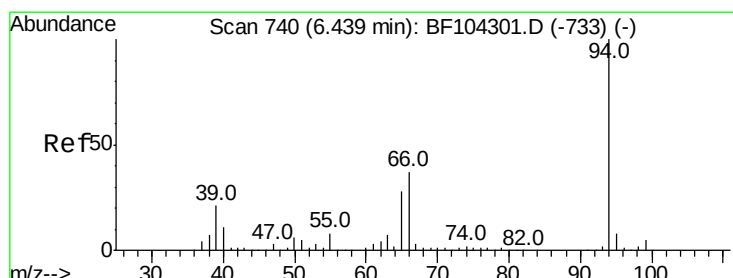
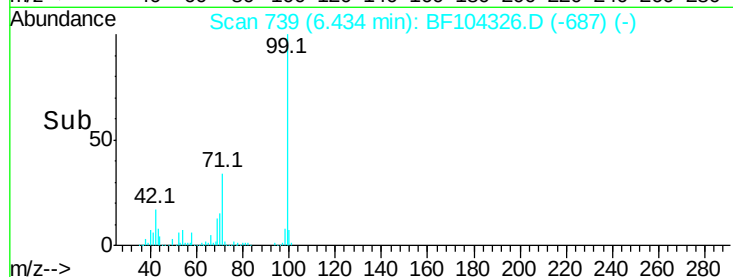
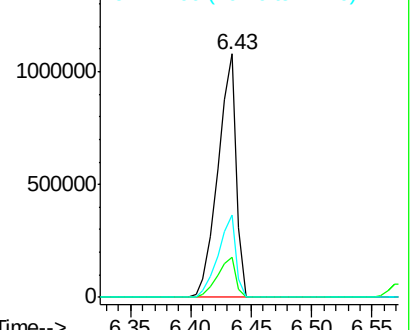
Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.5	21.7
71	33.7	25.4	38.0



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: 2.394 ng

RT: 6.44 min Scan# 740

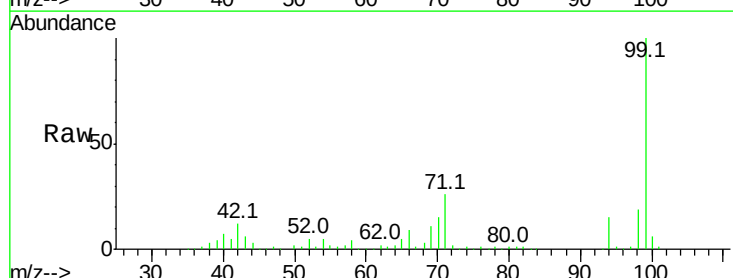
Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Tgt Ion: 94 Resp: 30781

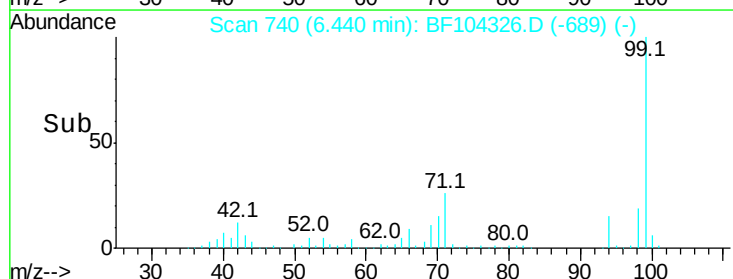
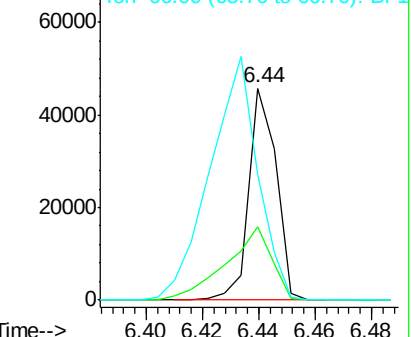
Ion	Ratio	Lower	Upper
94	100		
65	34.3	7.9	47.9
66	59.4	16.2	56.2

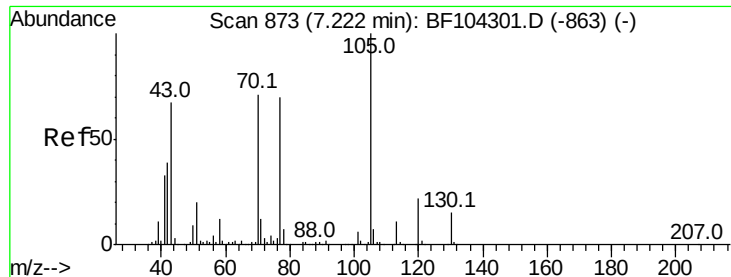


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.994 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 87067

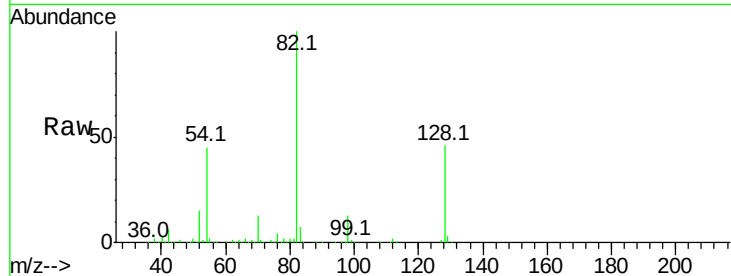
Ion Ratio Lower Upper

70 100

42 44.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

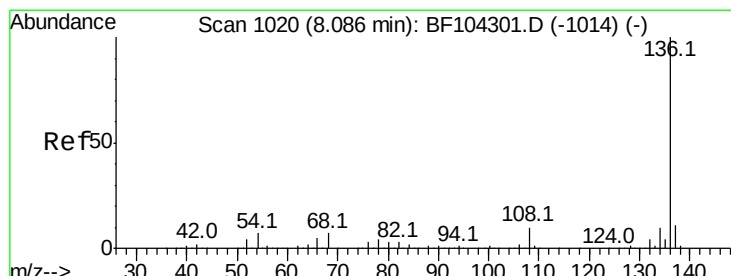
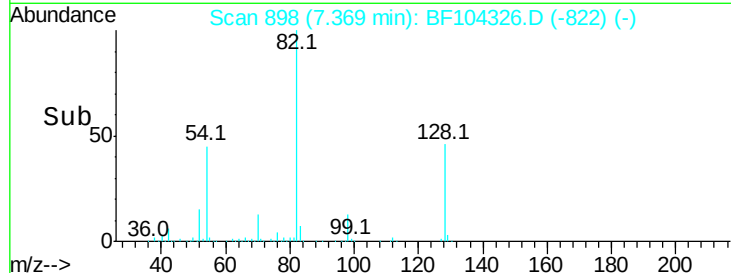
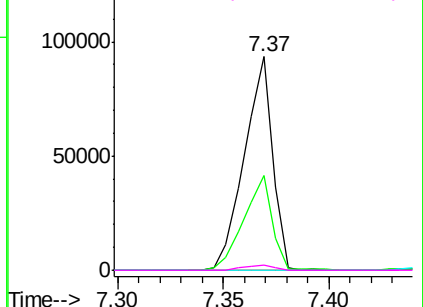


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Tgt Ion:136 Resp: 604097

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.3 6.6 9.8

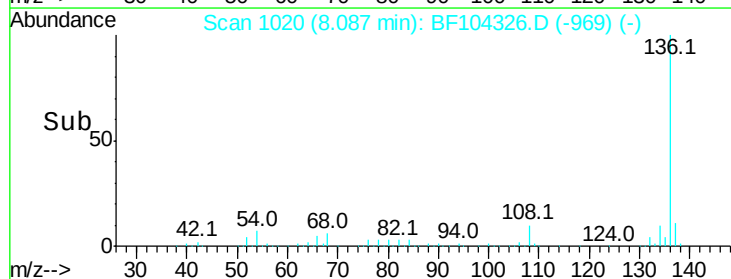
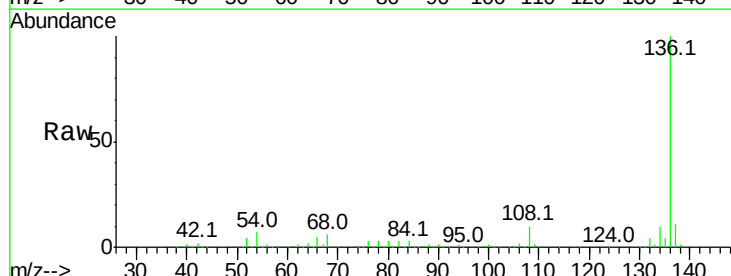
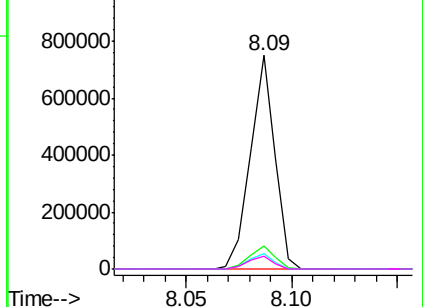
68 6.2 5.0 7.4

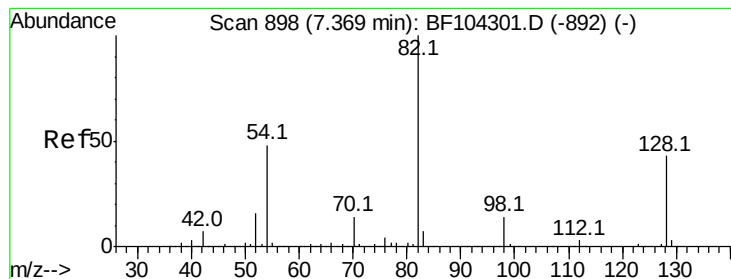
Abundance Ion 136.00 (135.70 to 136.70): BF1

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: 72.341 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Instrument :

BNA_F

ClientSampled :

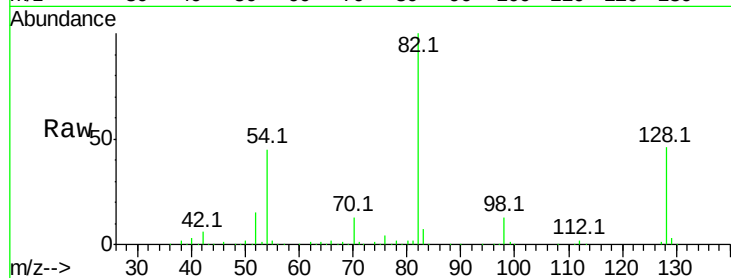
Tot Ion: 82 Resp: 669254

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

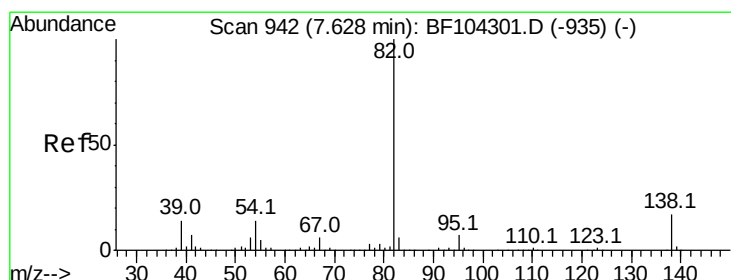
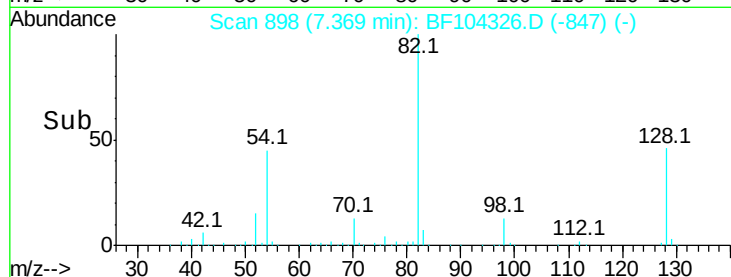
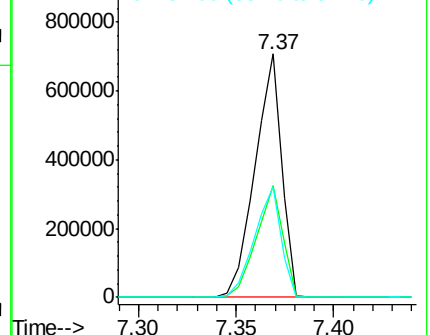
54 45.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 34.200 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

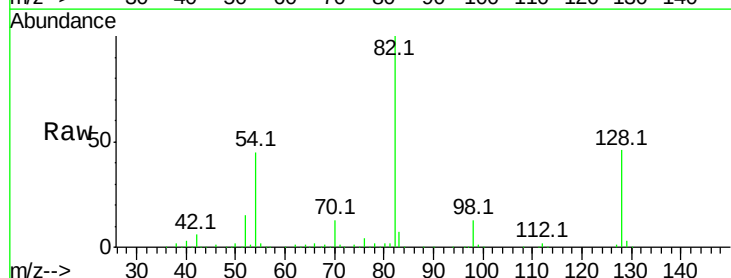
Tgt Ion: 82 Resp: 669060

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

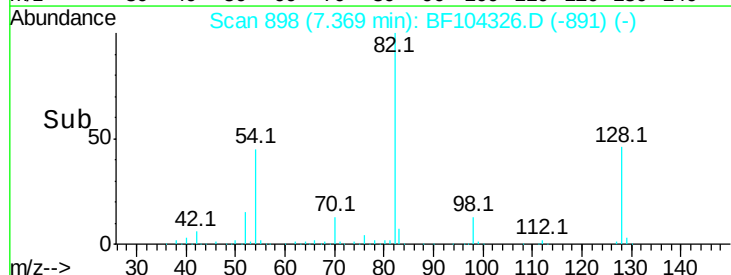
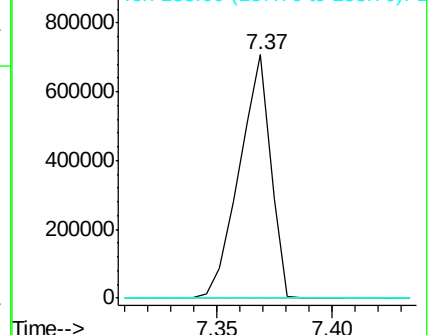
138 0.0 14.9 22.3#

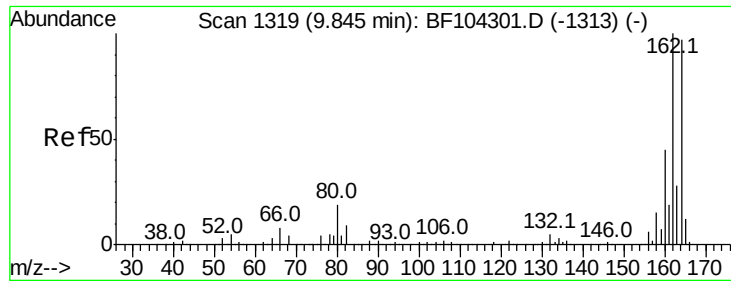


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

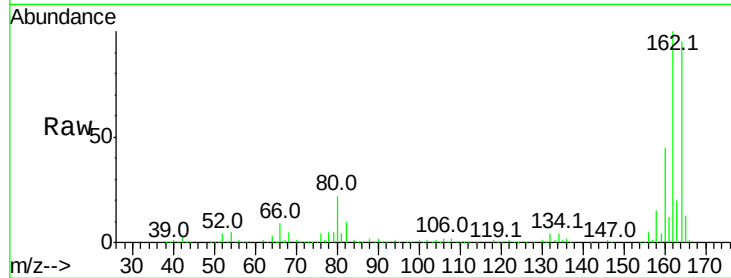




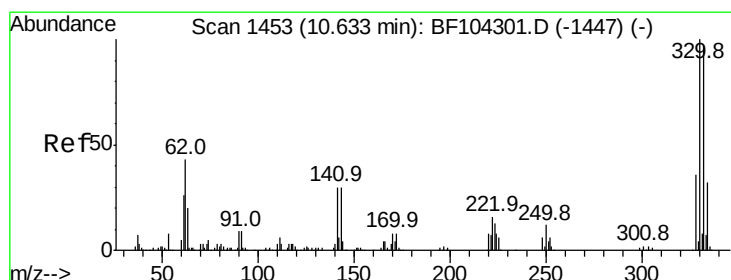
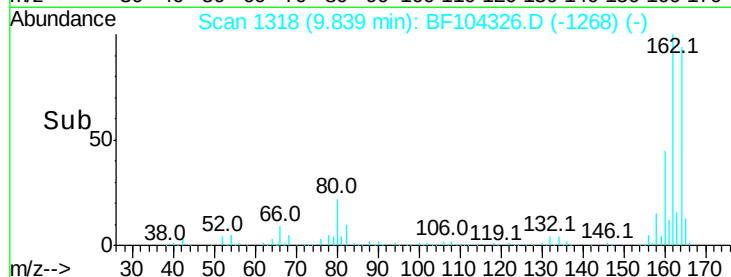
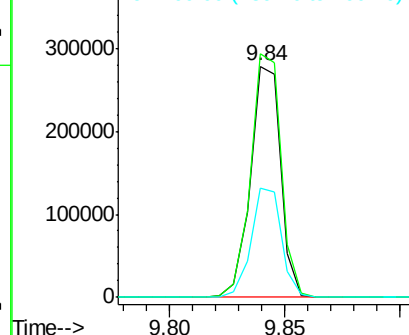
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 255194
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 47.2 38.3 57.5

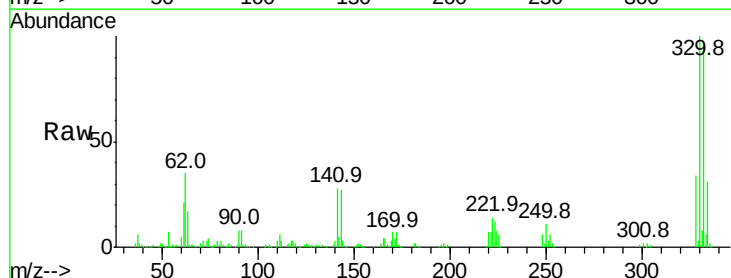


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

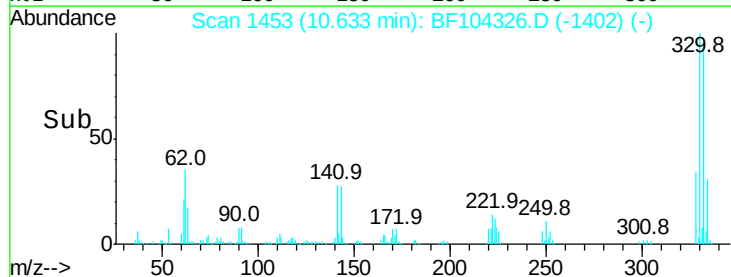
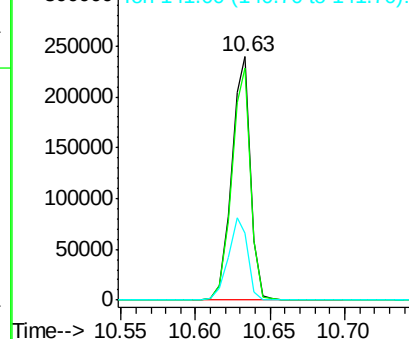


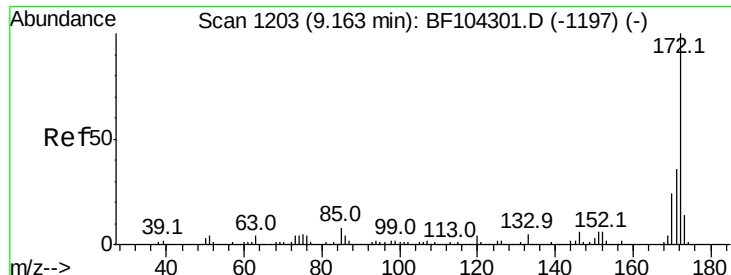
#41
2,4,6-Tribromophenol
Concen: 81.171 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion:330 Resp: 214875
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 35.0 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

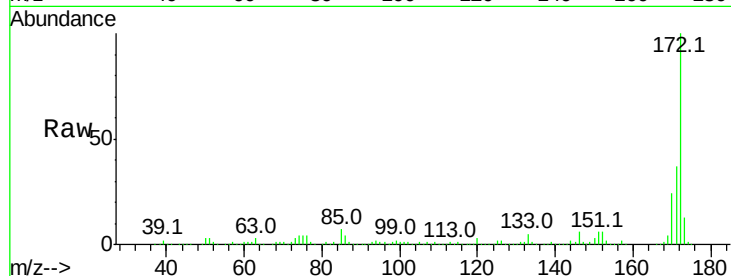




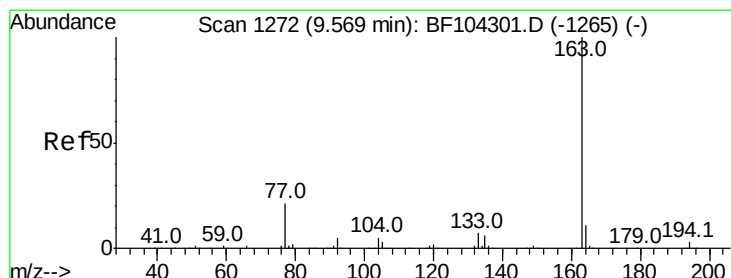
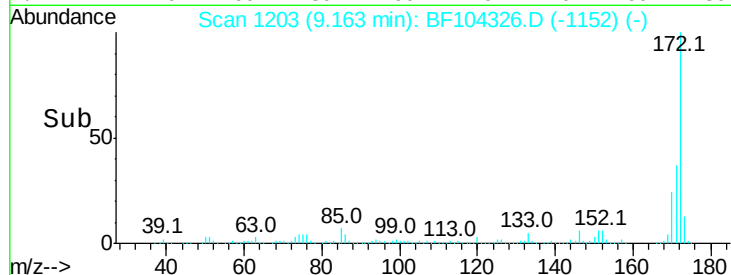
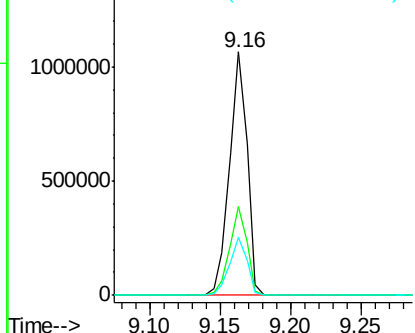
#44
2-Fluorobiphenyl
Concen: 57.272 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 925182
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 23.9 19.6 29.4

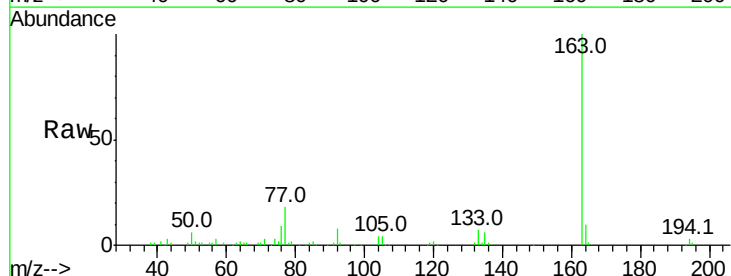


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

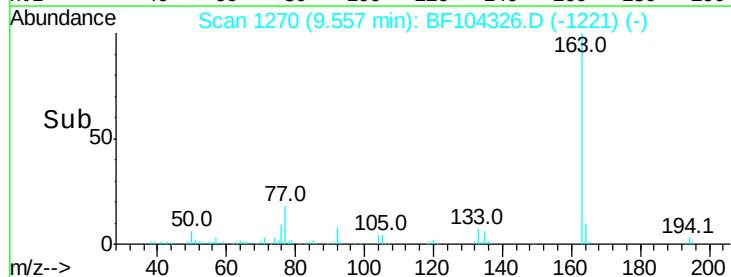
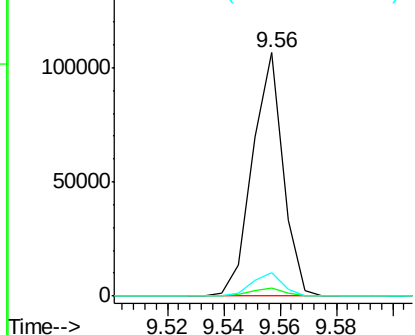


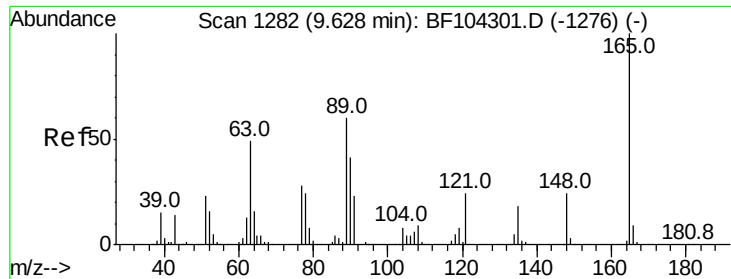
#49
Dimethylphthalate
Concen: 3.976 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion:163 Resp: 80020
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.8 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

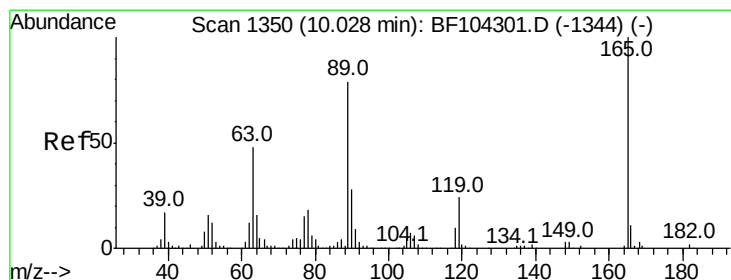
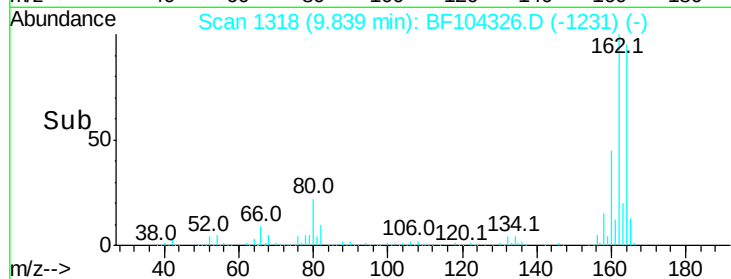
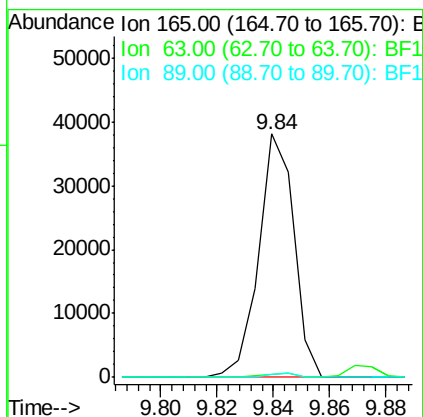
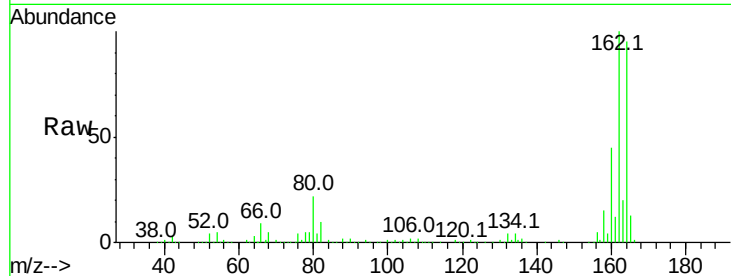




#50
 2,6-Dinitrotoluene
 Concen: 8.850 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104326.D
 Acq: 7 Apr 2018 00:35

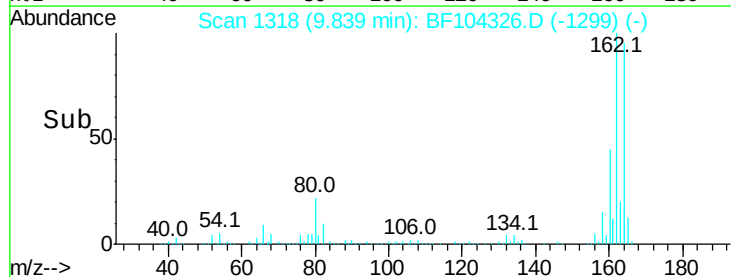
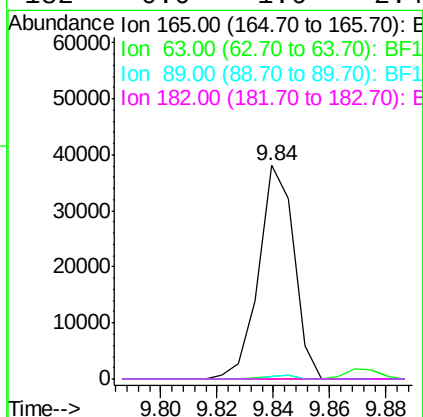
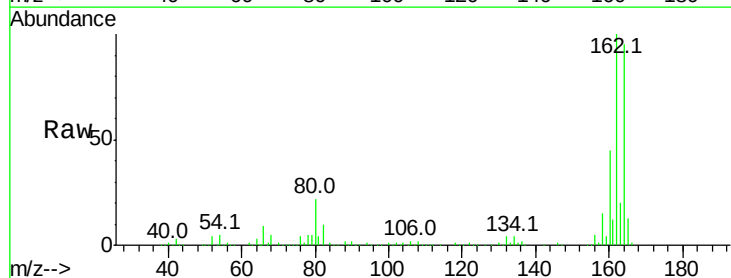
Instrument :
 BNA_F
 ClientSampleId :

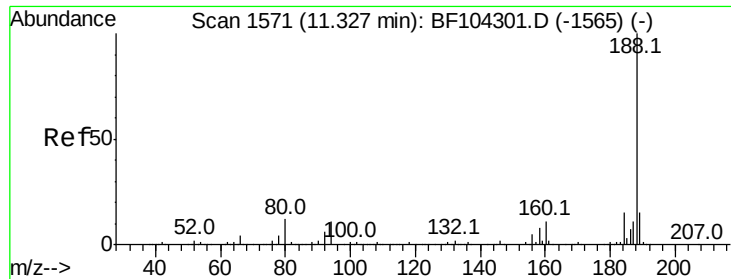
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.747 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104326.D
 Acq: 7 Apr 2018 00:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

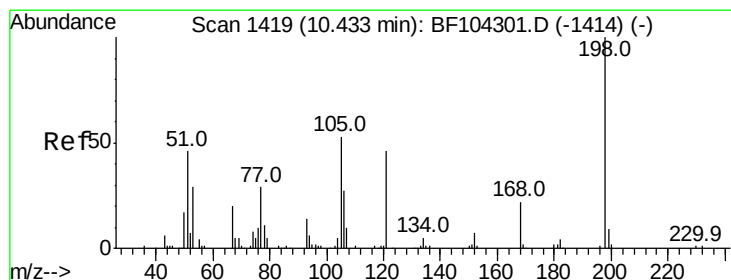
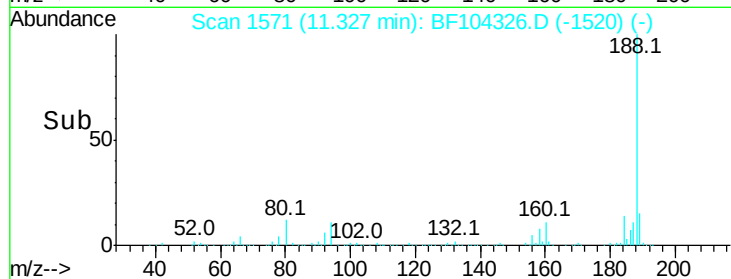
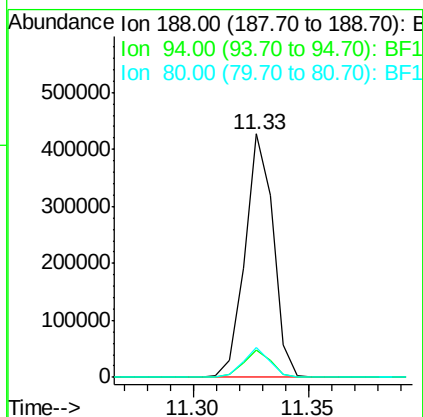
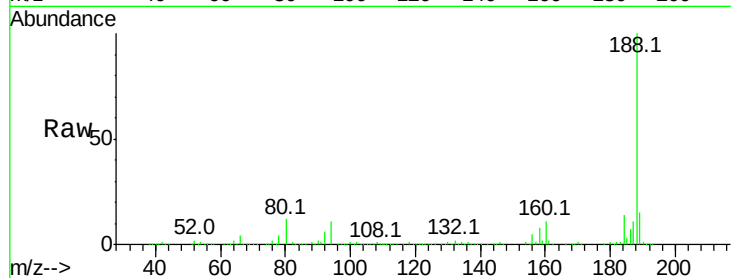




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

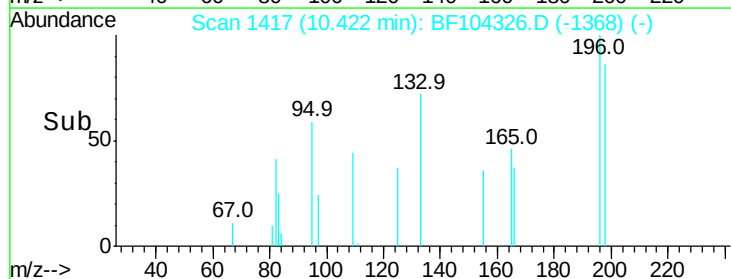
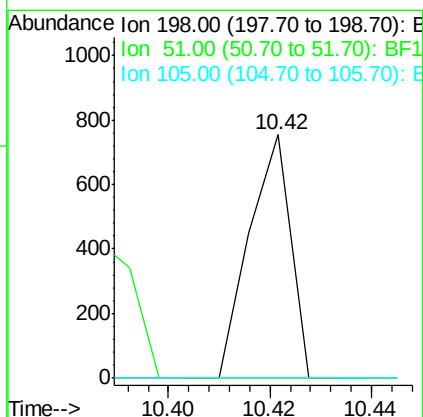
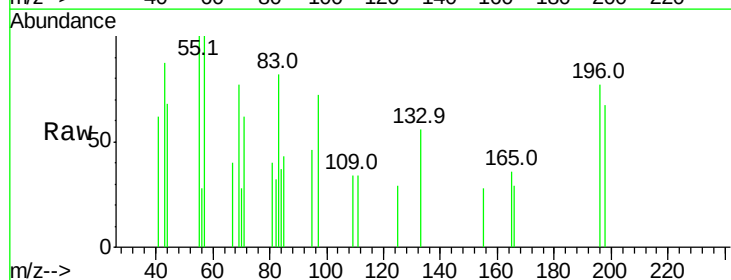
Instrument :
BNA_F
ClientSampleId :

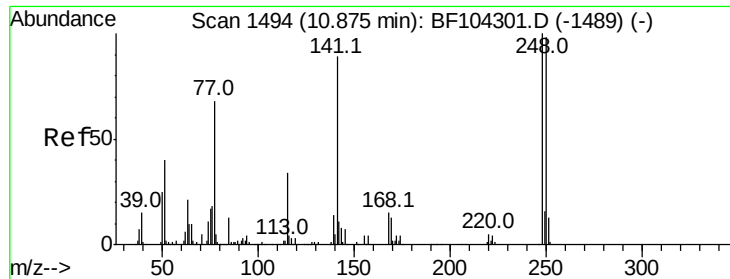
Tot Ion:188 Resp: 364095
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.550 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion:198 Resp: 425
Ion Ratio Lower Upper
198 100
51 0.0 37.7 77.7#
105 0.0 36.3 76.3#

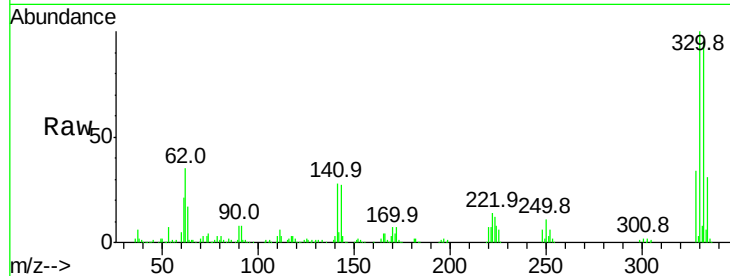




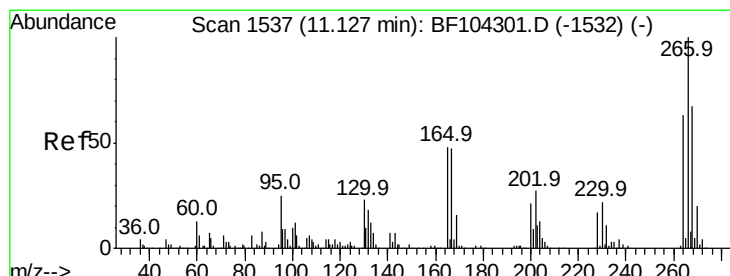
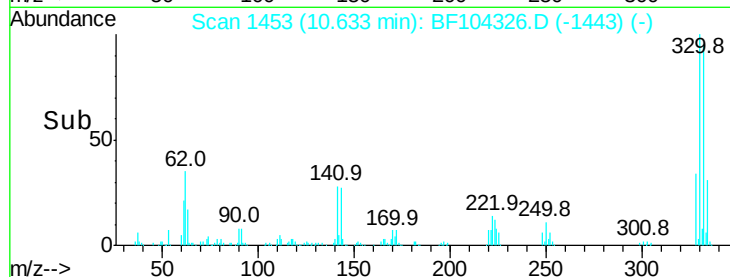
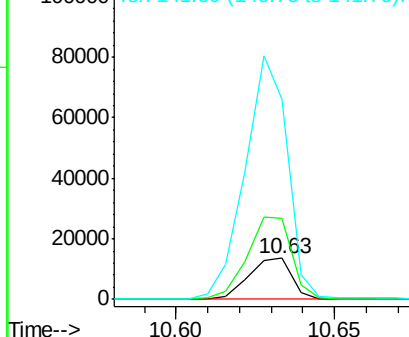
#66
4-Bromophenyl-phenylether
Concen: 3.334 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12912
Ion Ratio Lower Upper
248 100
250 196.4 76.9 115.3#
141 484.2 74.4 111.6#

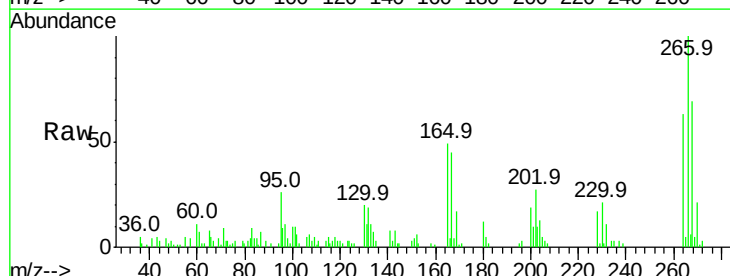


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

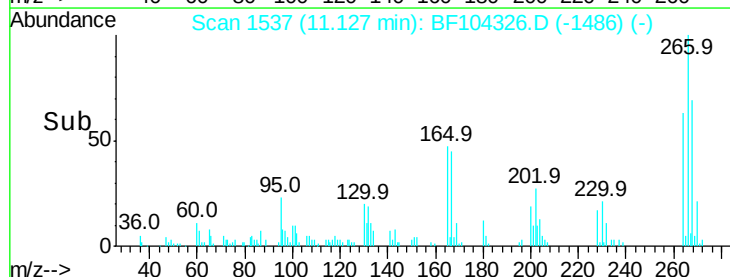
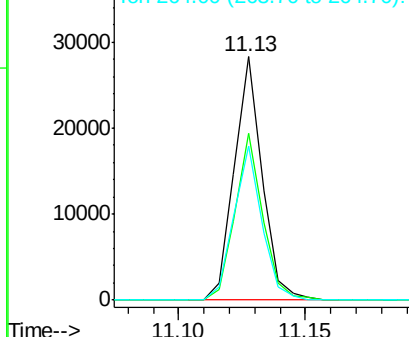


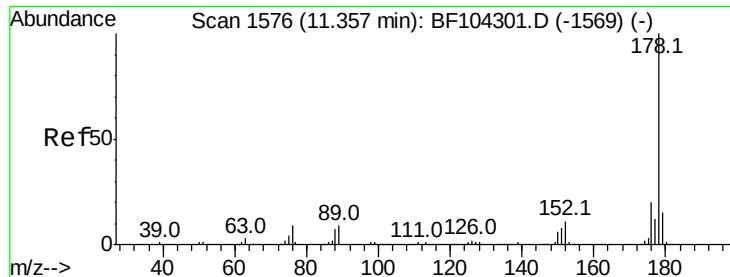
#69
Pentachlorophenol
Concen: 7.979 ng
RT: 11.13 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion:266 Resp: 21511
Ion Ratio Lower Upper
266 100
268 68.5 51.1 76.7
264 63.4 49.5 74.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 4.306 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Instrument :

BNA_F

ClientSampleId :

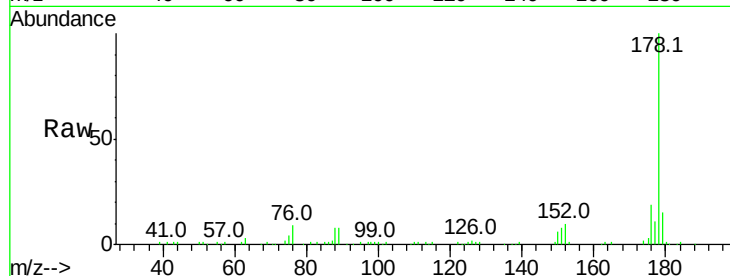
Tot Ion:178 Resp: 87305

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

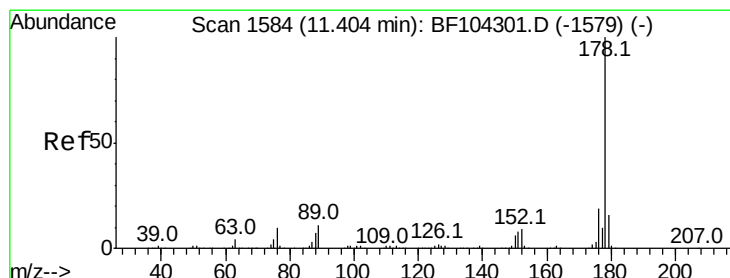
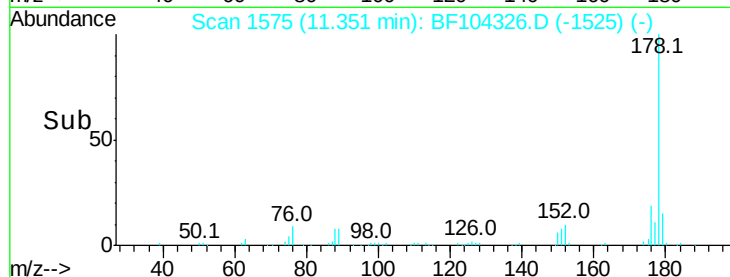
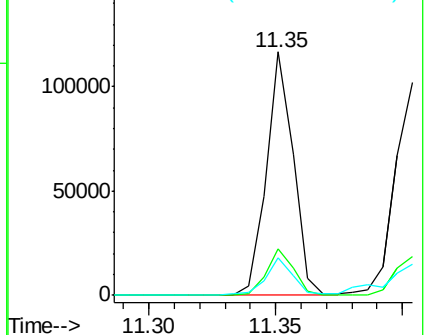
179 15.3 13.0 19.6



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



#71

Anthracene

Concen: 3.849 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

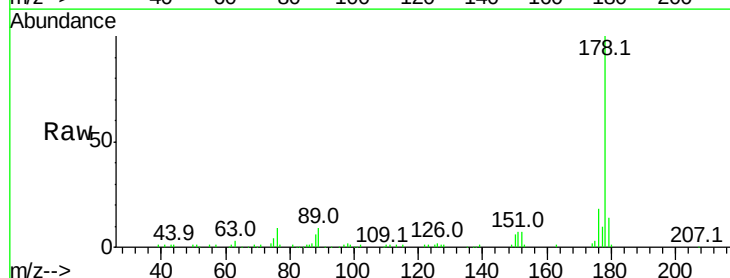
Tgt Ion:178 Resp: 79327

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

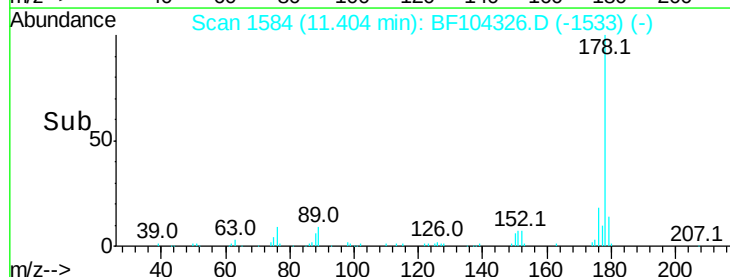
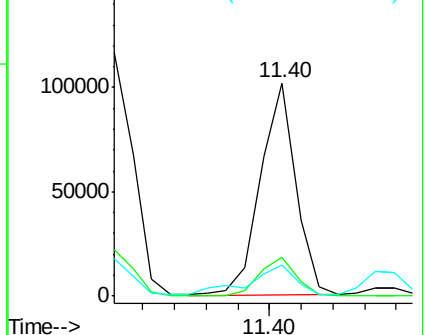
179 14.5 12.6 19.0

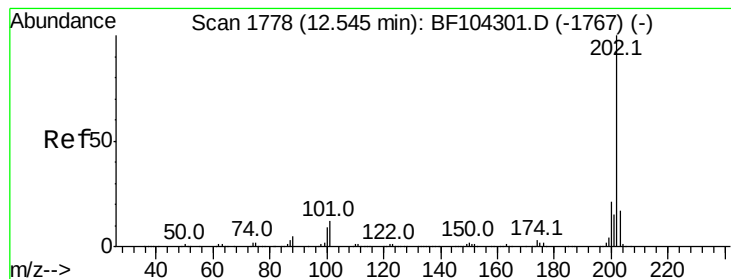


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 20.764 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Instrument :

BNA_F

ClientSampleId :

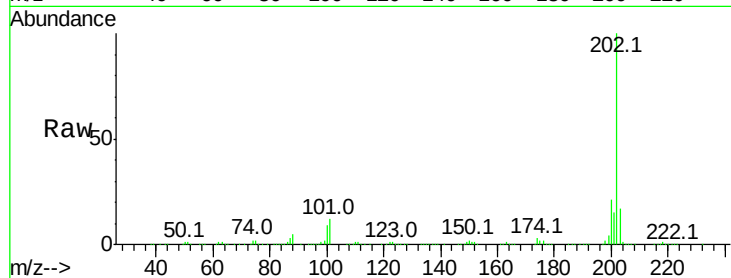
Tot Ion:202 Resp: 439879

Ion Ratio Lower Upper

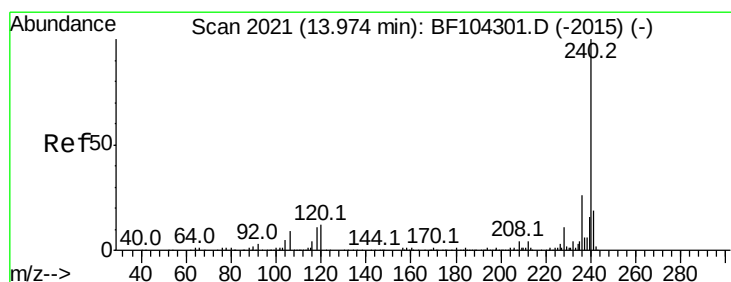
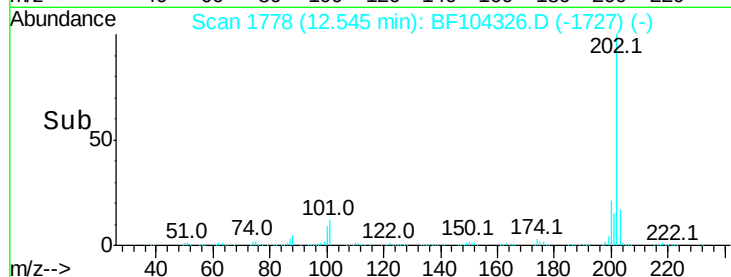
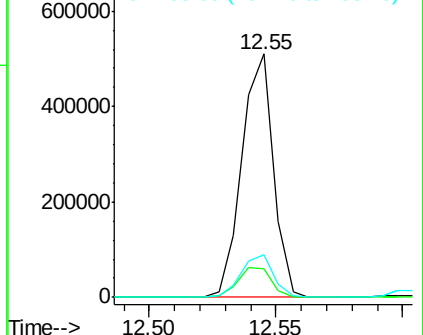
202 100

101 12.0 0.0 34.1

203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

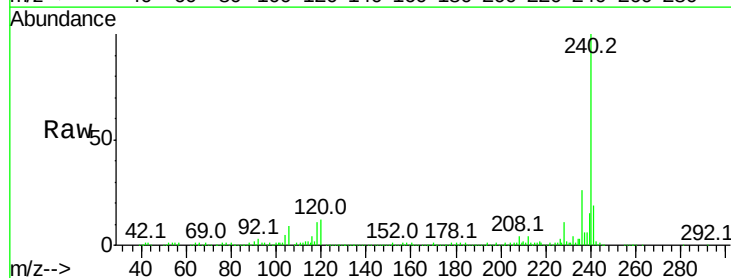
Tgt Ion:240 Resp: 299065

Ion Ratio Lower Upper

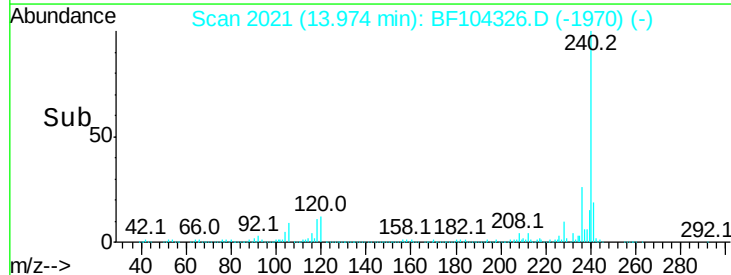
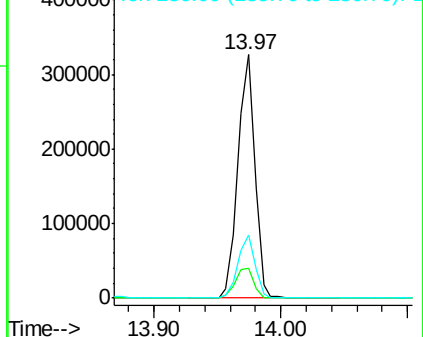
240 100

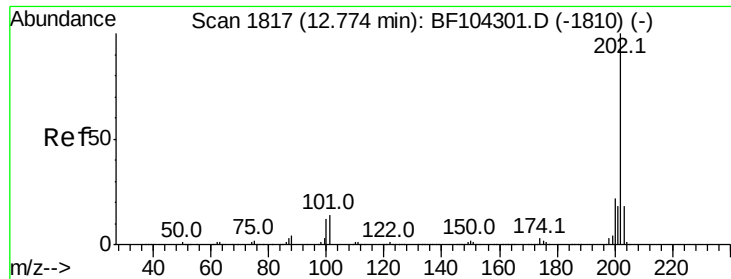
120 12.3 9.5 14.3

236 26.2 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: 18.648 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

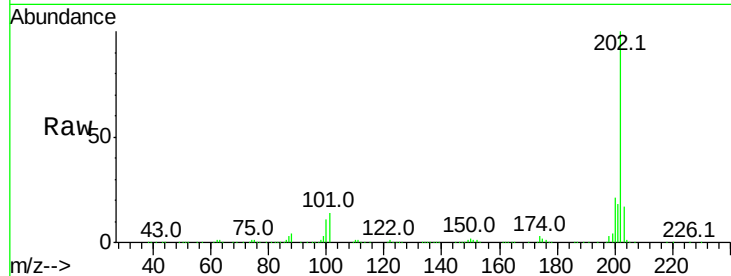
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 413383

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.5	14.3	21.5

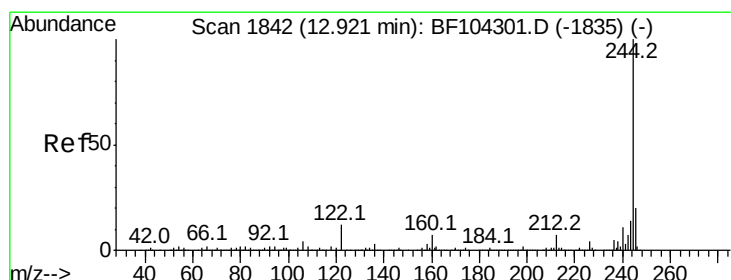
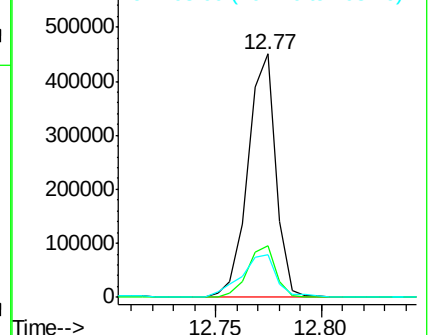
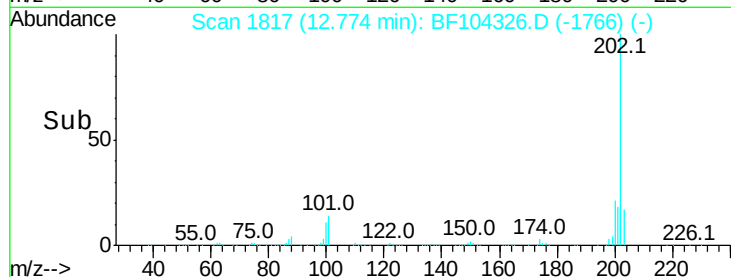


Abundance

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: 44.122 ng

RT: 12.92 min Scan# 1841

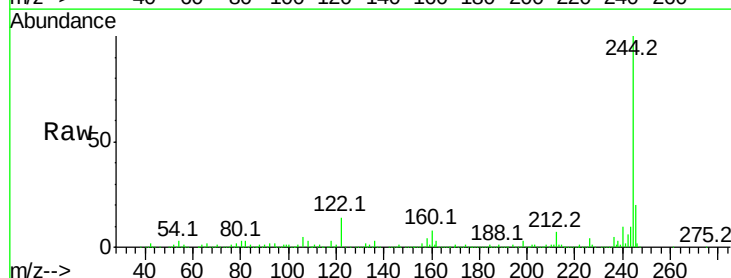
Delta R.T. -0.01 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Tgt Ion:244 Resp: 578790

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	14.1	11.0	16.4

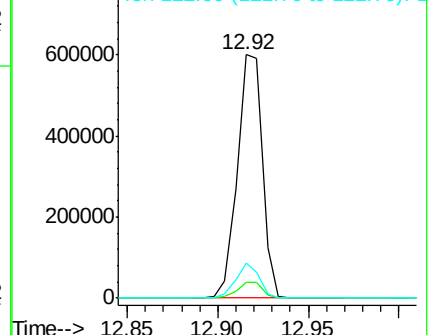
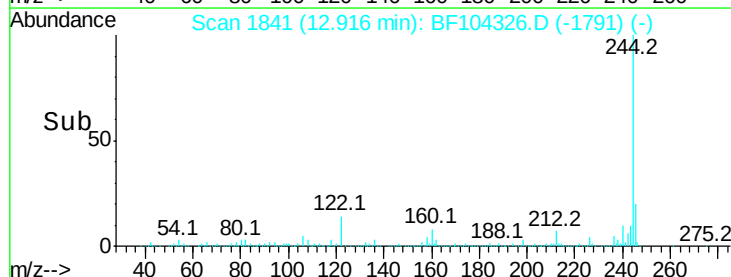


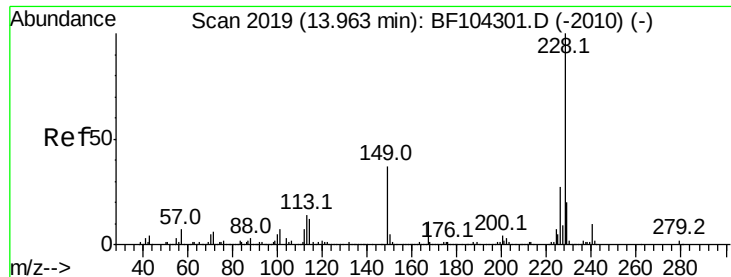
Abundance

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

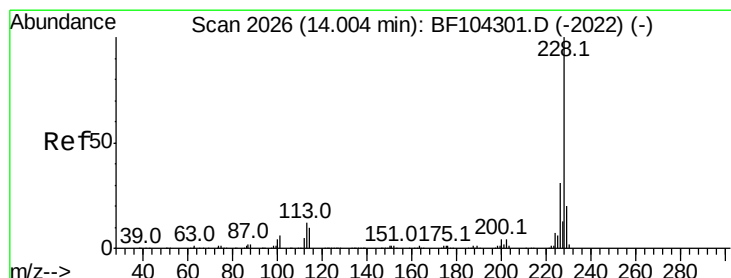
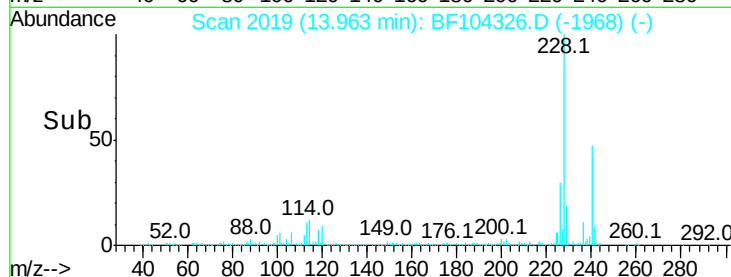
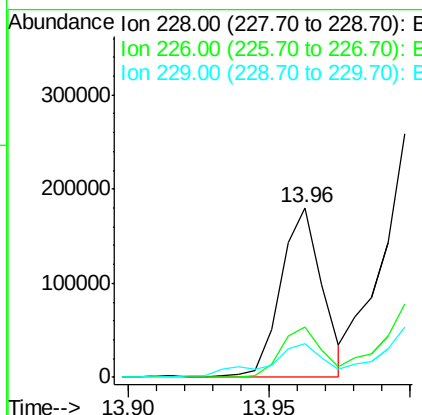
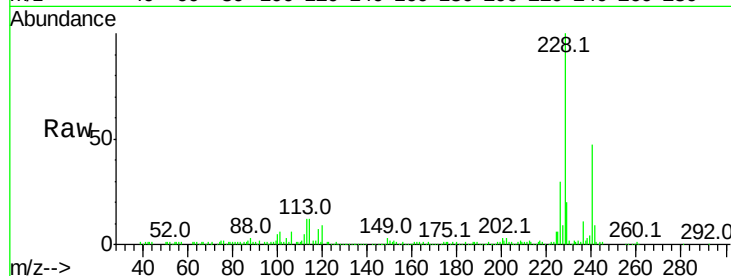




#80
Benzo(a)anthracene
Concen: 10.139 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

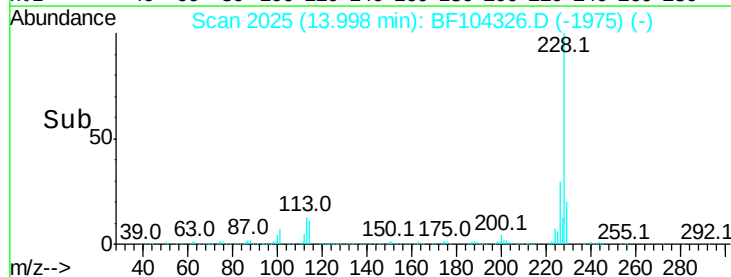
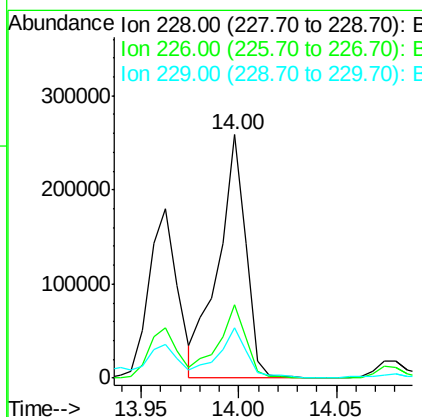
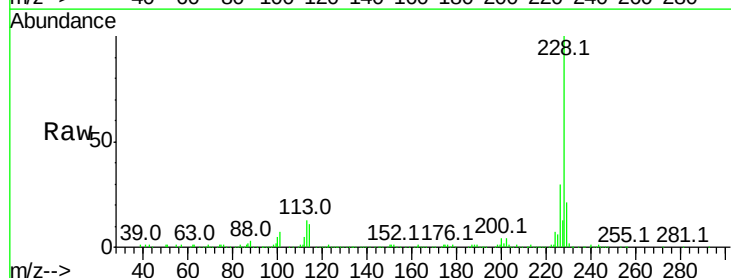
Instrument :
BNA_F
ClientSampleId :

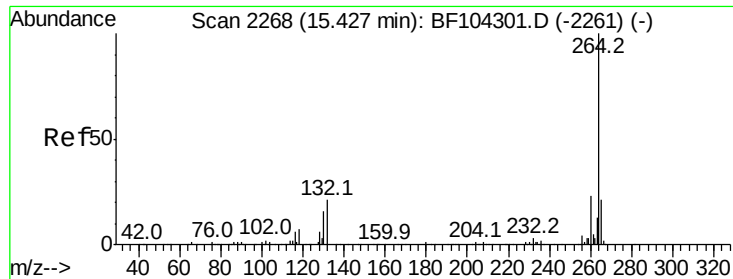
Tot Ion:228 Resp: 181155
Ion Ratio Lower Upper
228 100
226 30.0 22.6 33.8
229 20.0 15.8 23.6



#82
Chrysene
Concen: 13.751 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion:228 Resp: 252347
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 20.9 16.2 24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Instrument :

BNA_F

ClientSampleId :

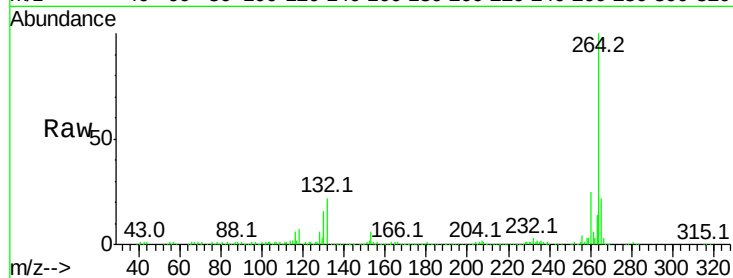
Tot Ion:264 Resp: 261980

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

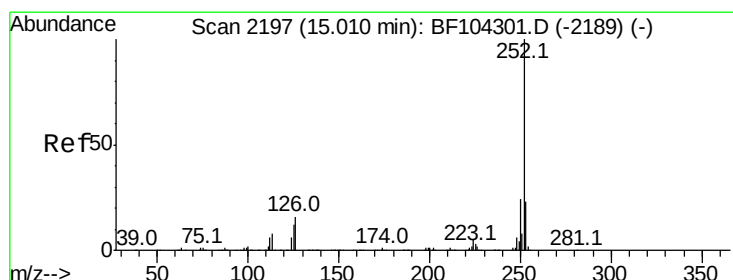
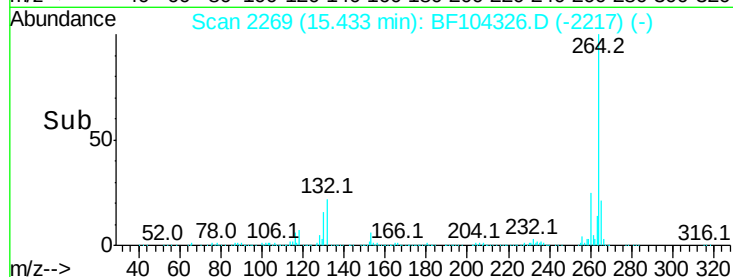
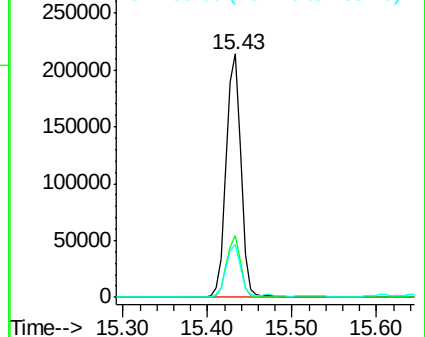
265 21.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 14.197 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

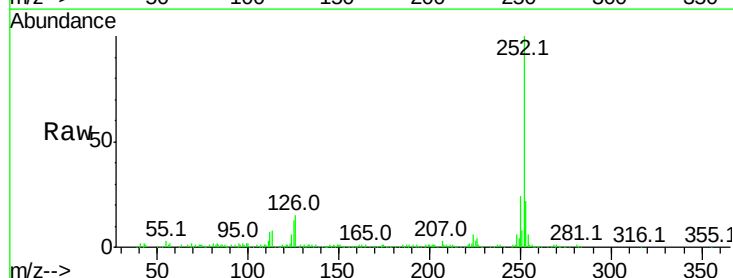
Tgt Ion:252 Resp: 234909

Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.6

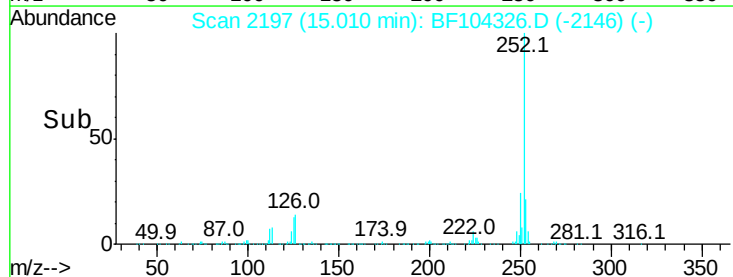
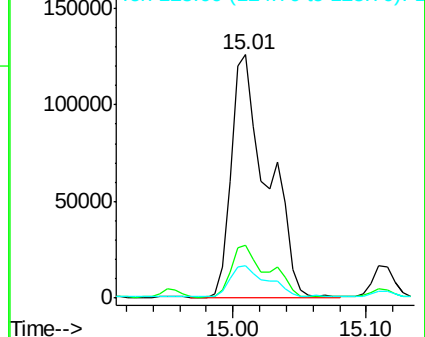
125 13.2 9.0 13.6

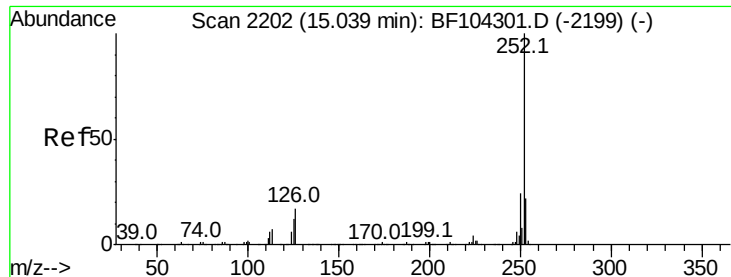


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

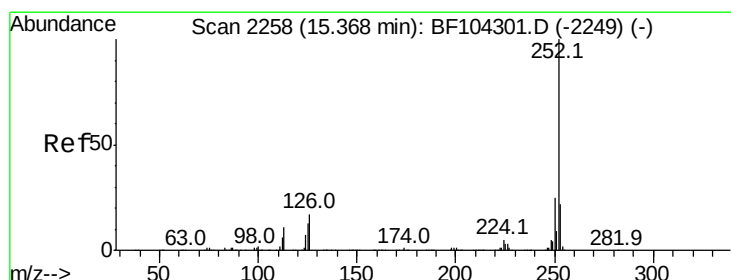
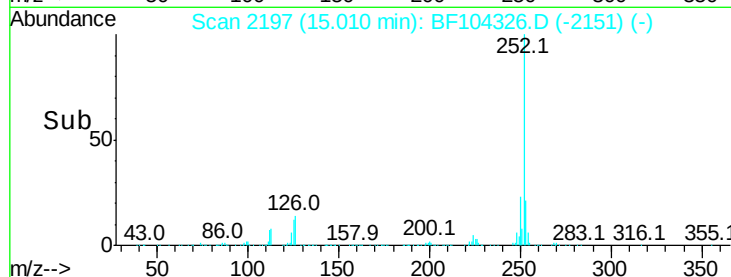
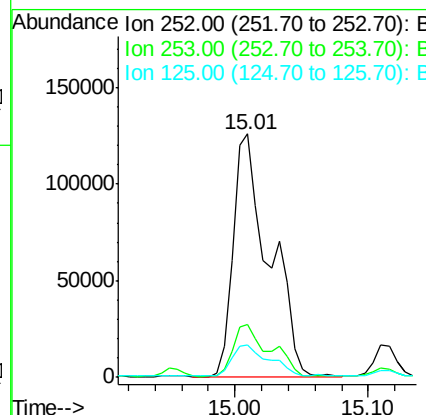
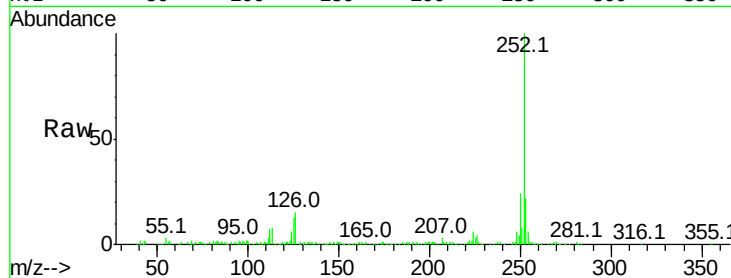




#88
Benzo(k)fluoranthene
Concen: 15.038 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.03 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	13.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.662 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	11.7	9.8	14.6

