

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104323.D
 Acq On : 6 Apr 2018 23:16
 Operator : JU/SJ
 Sample : J2164-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 07 00:24:00 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

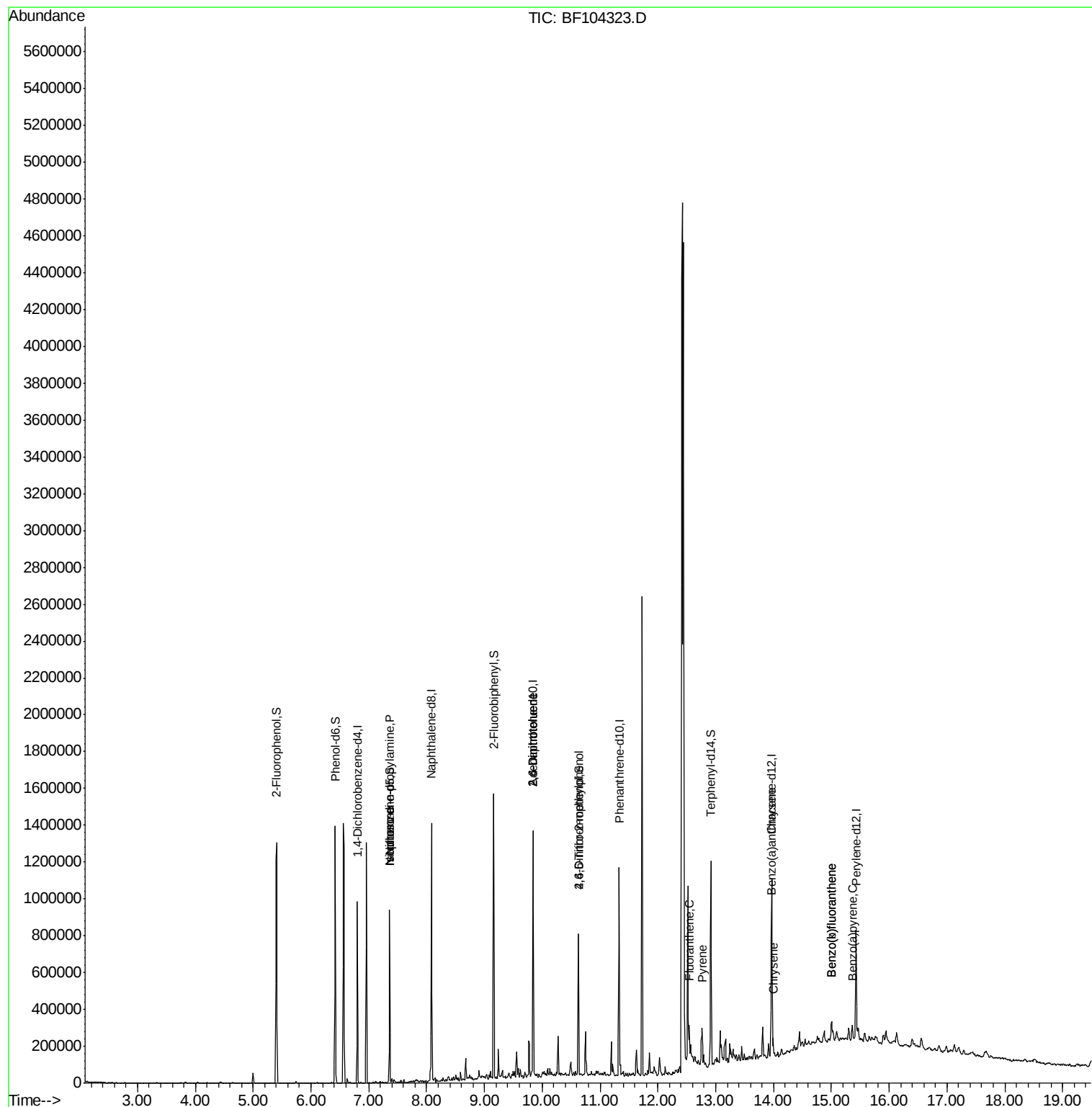
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139023	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	550035	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	238206	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	350508	20.00	ng	0.00
75) Chrysene-d12	13.97	240	285501	20.00	ng	0.00
86) Perylene-d12	15.43	264	254645	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	378275	41.60	ng	0.00
7) Phenol-d6	6.42	99	460683	41.24	ng	0.00
23) Nitrobenzene-d5	7.36	82	251954	29.91	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	87718	35.50	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	476543	31.60	ng	0.00
78) Terphenyl-d14	12.92	244	314780	25.14	ng	0.00
Target Compounds						
9) Benzaldehyde	6.42	77	678	Below Cal	Qvalue # 1	
19) n-Nitroso-di-n-propylamine	7.36	70	32299	4.425 ng	#	76
25) Isophorone	7.36	82	251830	14.138 ng	#	64
50) 2,6-Dinitrotoluene	9.84	165	31460	9.051 ng	#	26
56) 2,4-Dinitrotoluene	9.84	165	31460	6.900 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.62	198	108	7.401 ng	#	1
74) Fluoranthene	12.54	202	64318	3.154 ng		98
76) Benzydine	12.44	184	709	Below Cal	#	1
77) Pyrene	12.77	202	72347	3.419 ng		98
80) Benzo(a)anthracene	13.96	228	40123	2.352 ng		95
82) Chrysene	13.99	228	36516	2.084 ng		97
87) Benzo(b)fluoranthene	15.00	252	66138	4.112 ng	#	90
88) Benzo(k)fluoranthene	15.00	252	66138	4.356 ng	#	93
89) Benzo(a)pyrene	15.36	252	35216	2.447 ng	#	89

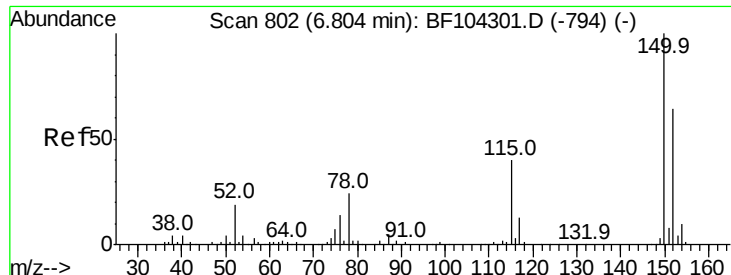
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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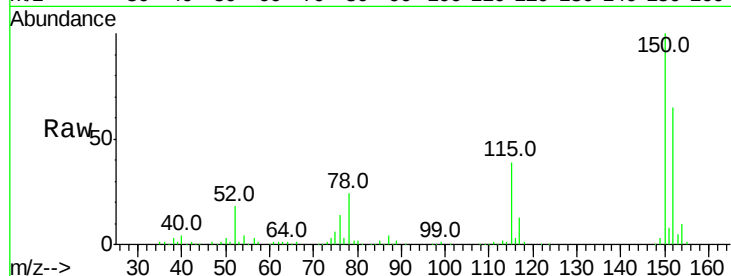


#1

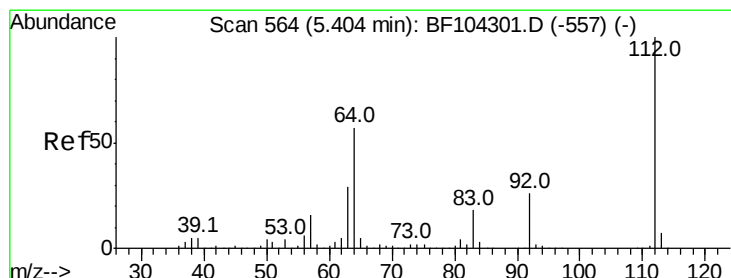
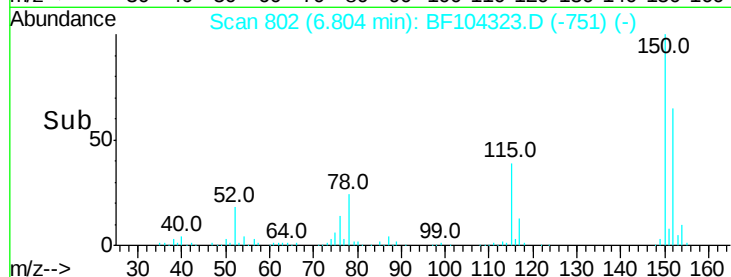
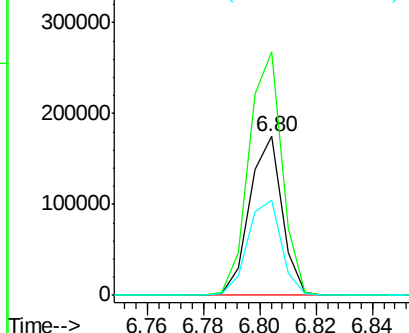
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139023
Ion Ratio Lower Upper
152 100
150 153.4 124.6 186.8
115 60.2 50.1 75.1



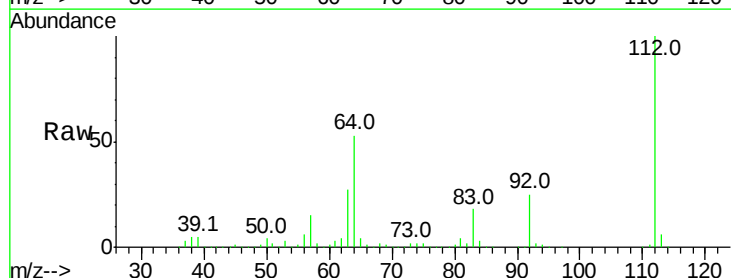
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



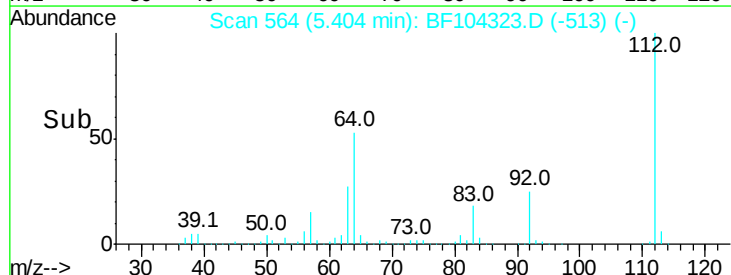
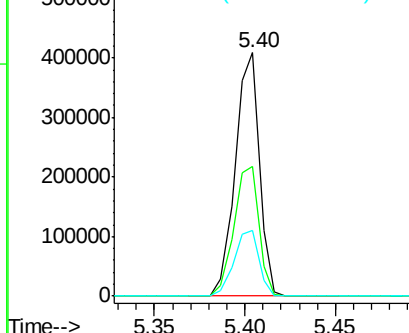
#5

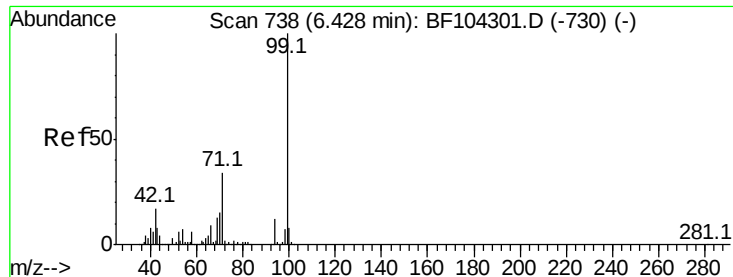
2-Fluorophenol
Concen: 41.605 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Tgt Ion:112 Resp: 378275
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 26.9 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: 41.238 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

Instrument :

BNA_F

ClientSampleId :

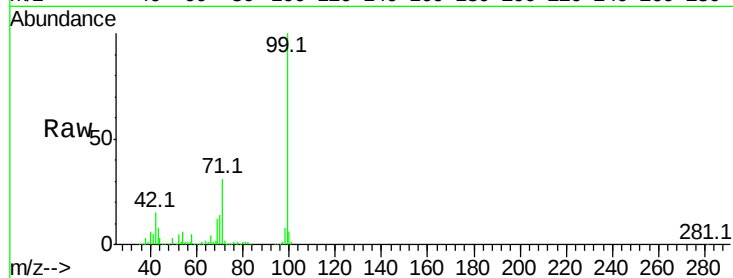
Tot Ion: 99 Resp: 460683

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

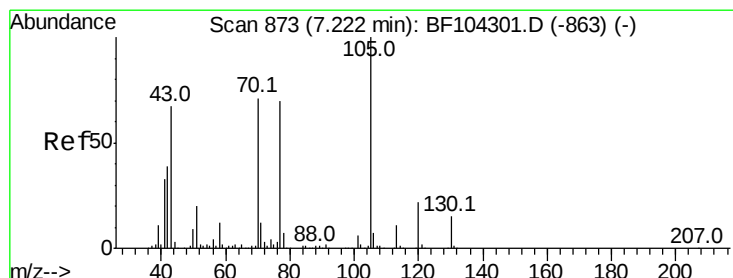
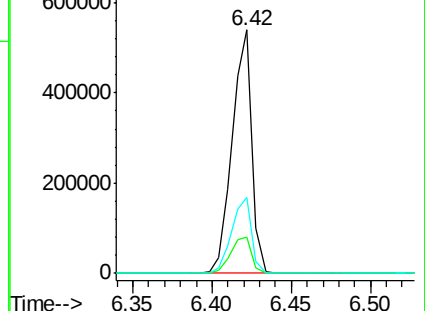
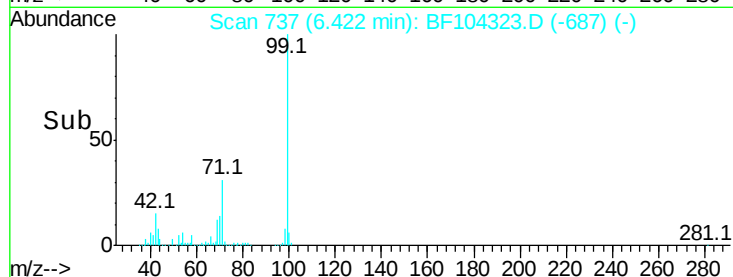
71 31.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.425 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

Tgt Ion: 70 Resp: 32299

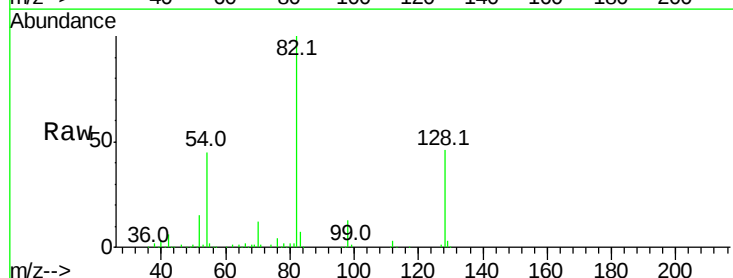
Ion Ratio Lower Upper

70 100

42 45.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

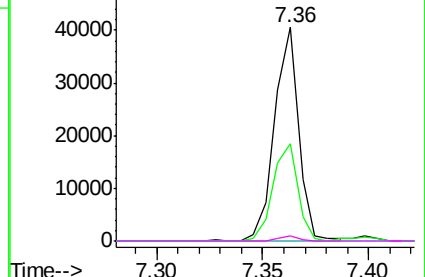
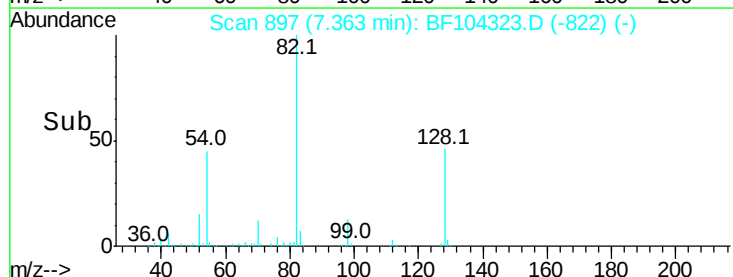


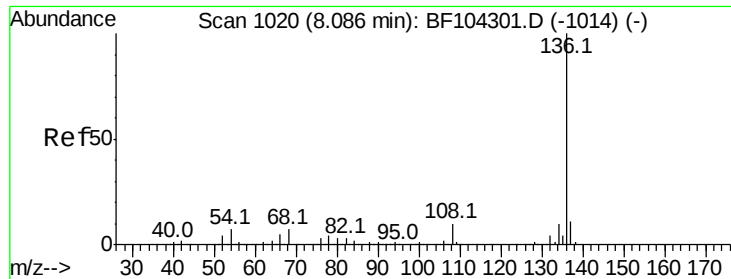
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

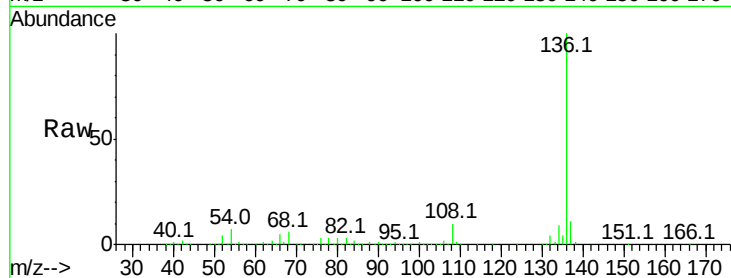




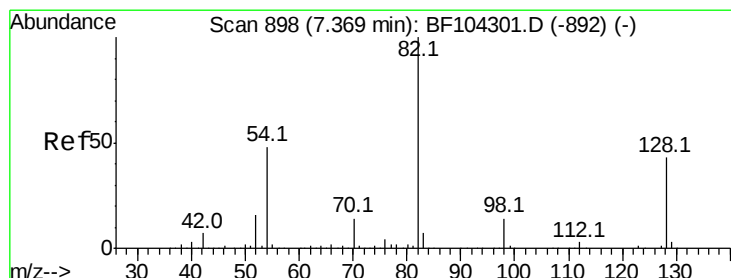
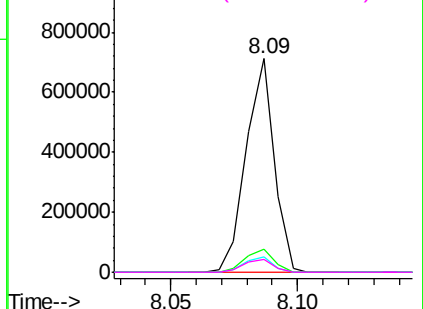
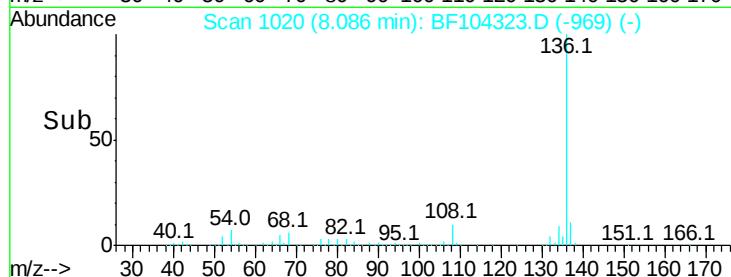
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	550035
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.9 13.3
54	7.0	6.6 9.8
68	6.0	5.0 7.4

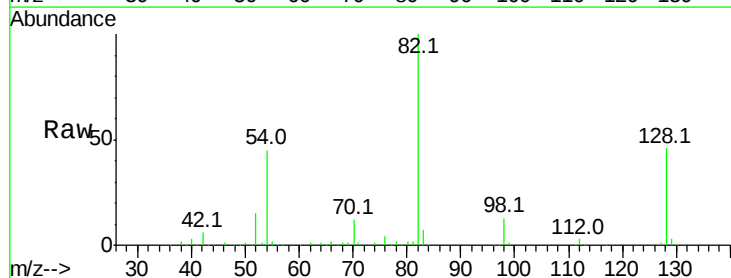


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

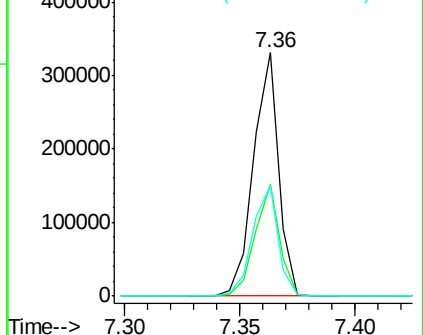
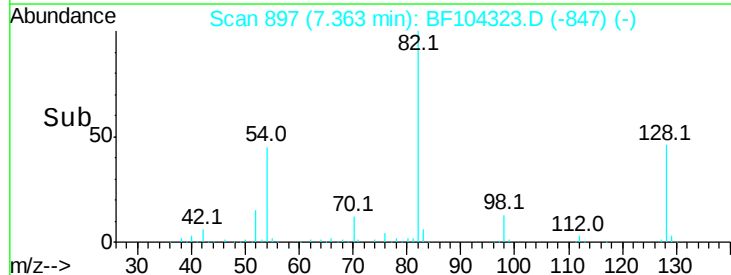


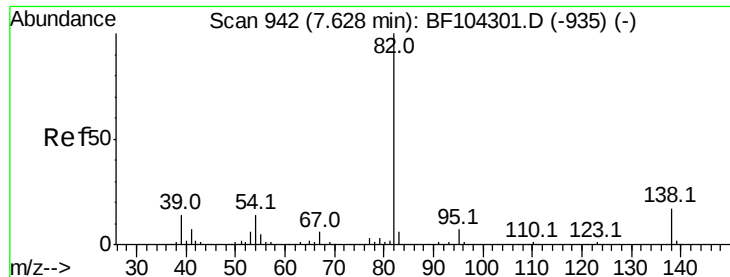
#23
Nitrobenzene-d5
Concen: 29.911 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Tgt Ion: 82	Resp:	251954
Ion	Ratio	Lower Upper
82	100	
128	45.7	36.1 54.1
54	45.2	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: 14.138 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

Instrument :

BNA_F

ClientSampleId :

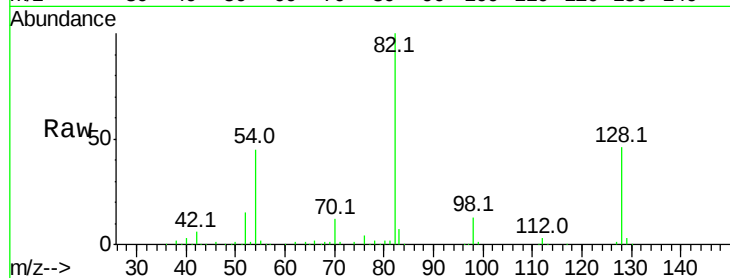
Tot Ion: 82 Resp: 251830

Ion Ratio Lower Upper

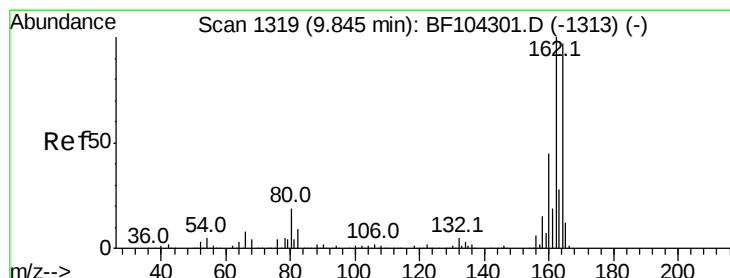
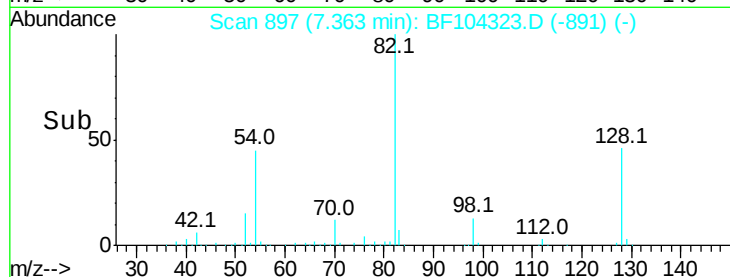
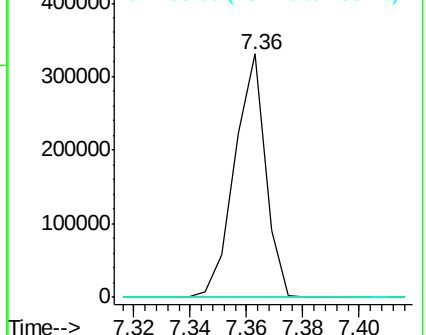
82 100

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: BF104323.D

Acq: 6 Apr 2018 23:16

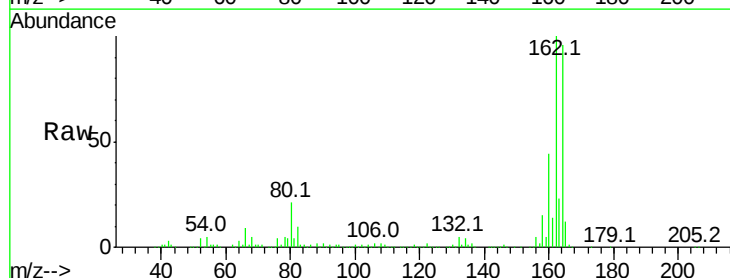
Tgt Ion:164 Resp: 238206

Ion Ratio Lower Upper

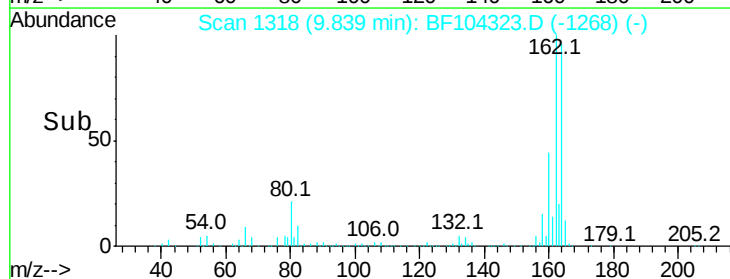
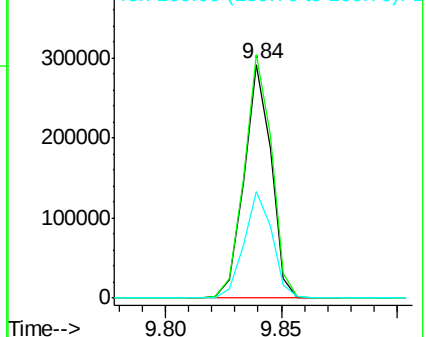
164 100

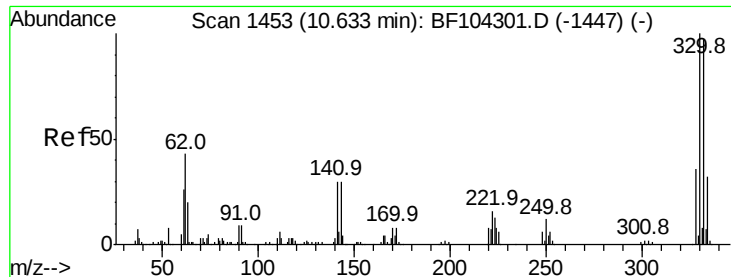
162 104.3 86.1 129.1

160 45.8 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

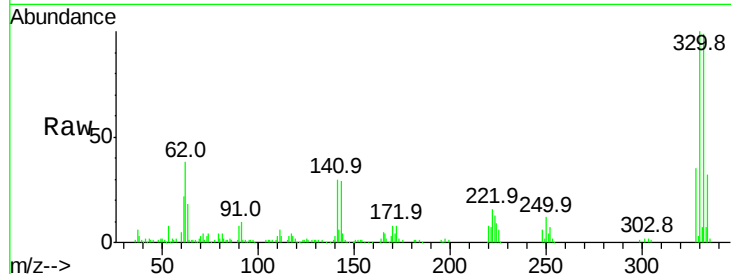




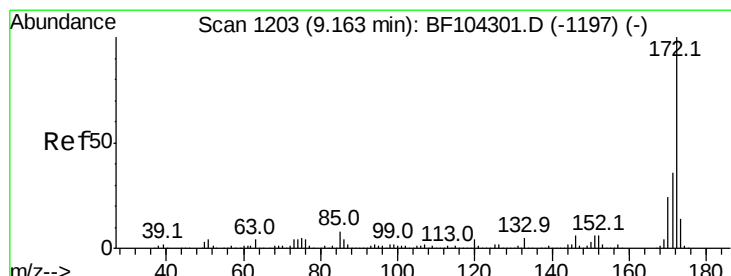
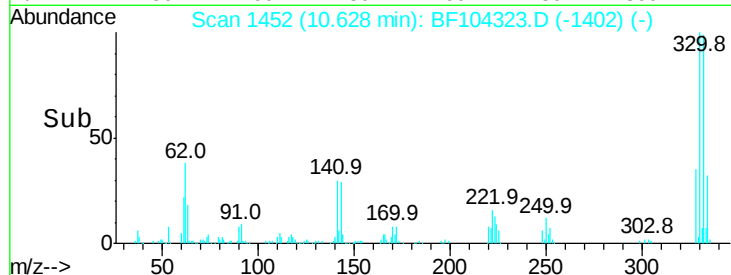
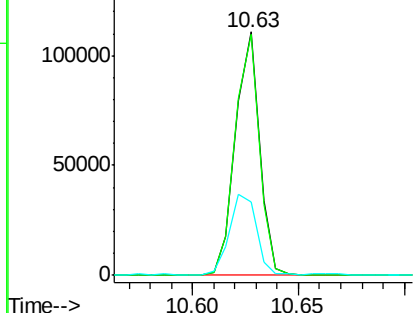
#41
 2,4,6-Tribromophenol
 Concen: 35.499 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104323.D
 Acq: 6 Apr 2018 23:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 87718
 Ion Ratio Lower Upper
 330 100
 332 98.9 77.0 115.6
 141 37.5 29.9 44.9

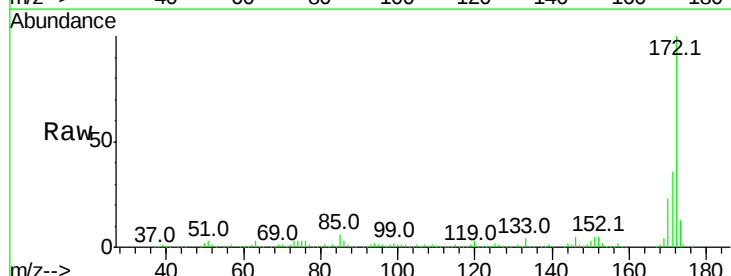


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

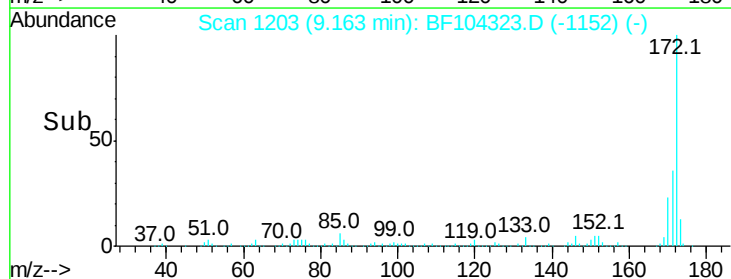
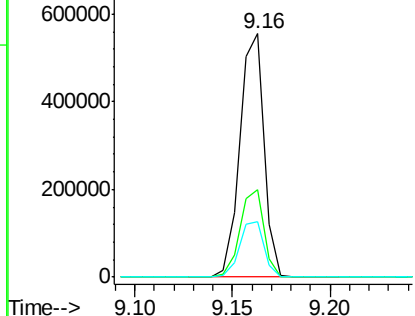


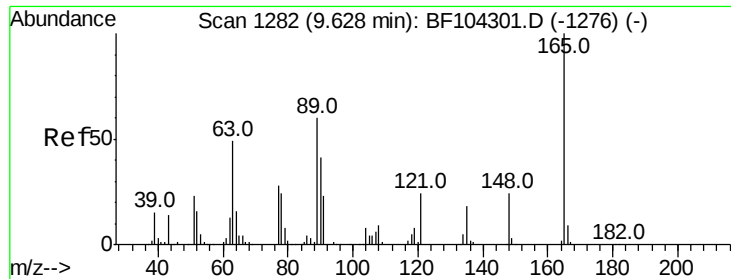
#44
 2-Fluorobiphenyl
 Concen: 31.604 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104323.D
 Acq: 6 Apr 2018 23:16

Tgt Ion:172 Resp: 476543
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 22.9 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

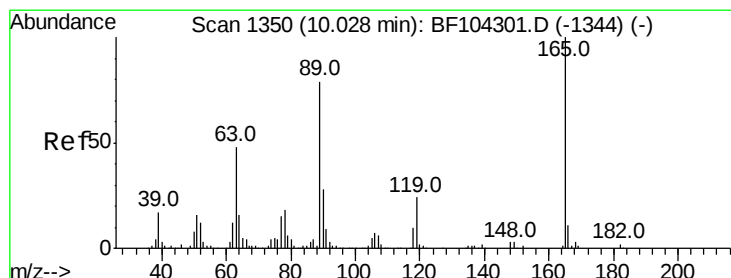
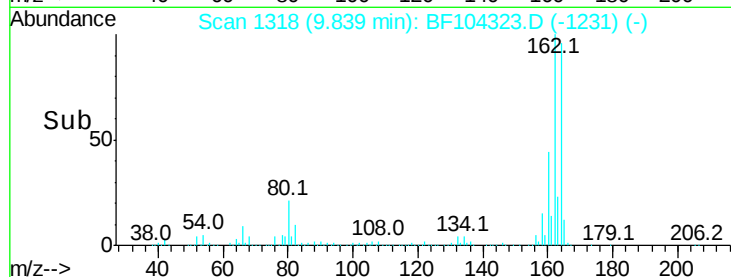
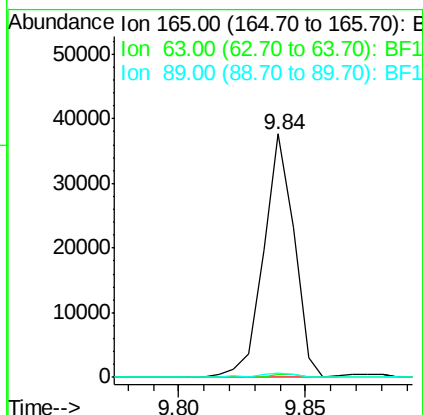
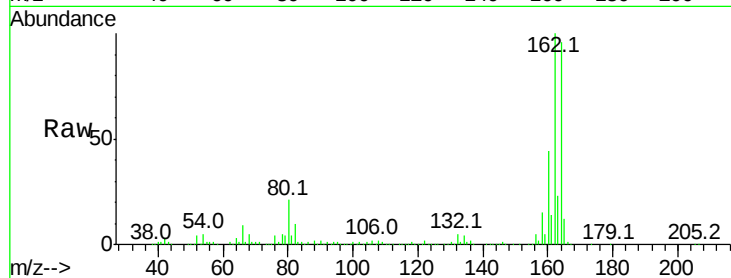




#50
 2,6-Dinitrotoluene
 Concen: 9.051 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104323.D
 Acq: 6 Apr 2018 23:16

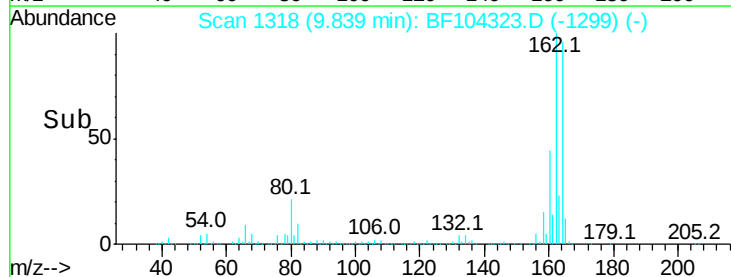
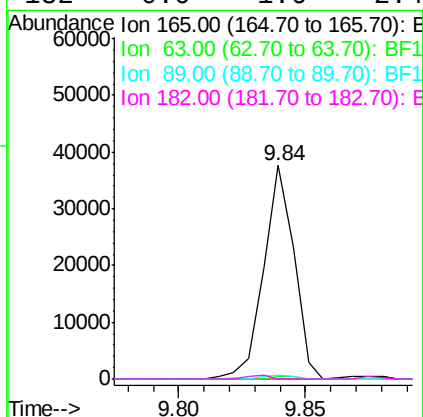
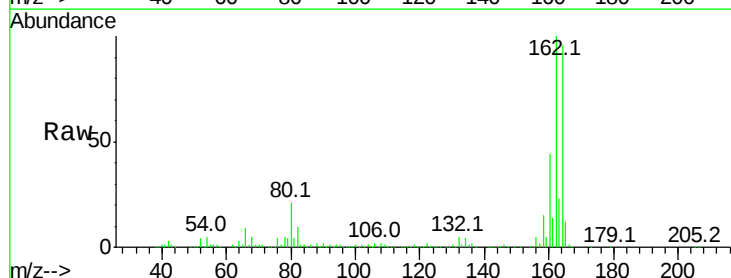
Instrument :
 BNA_F
 ClientSampleId :

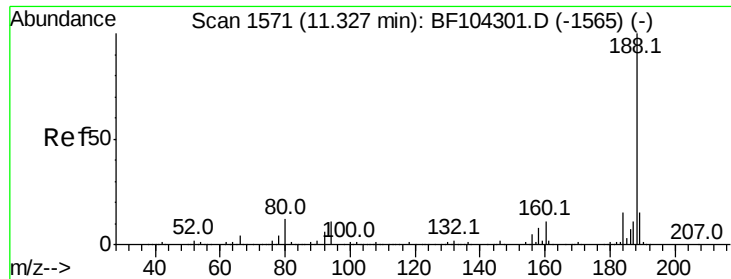
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.8	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.900 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104323.D
 Acq: 6 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

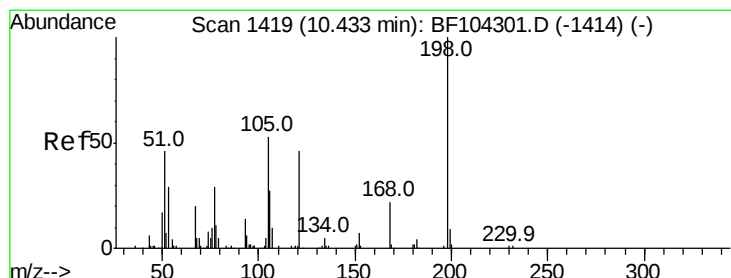
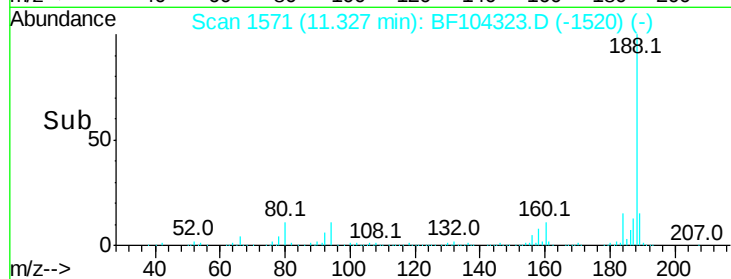
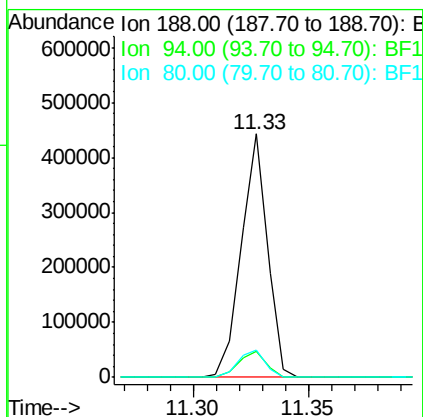
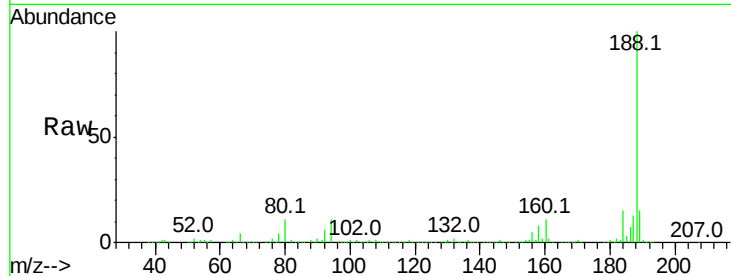




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

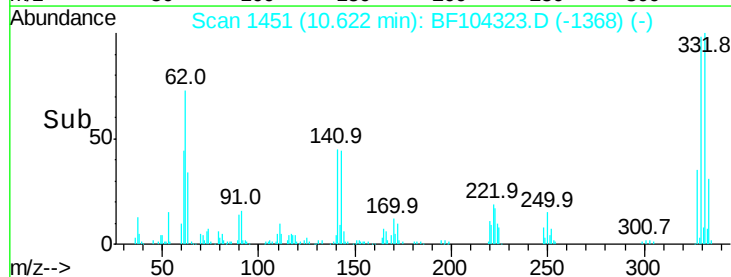
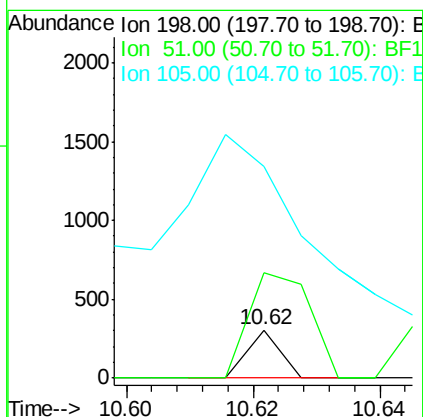
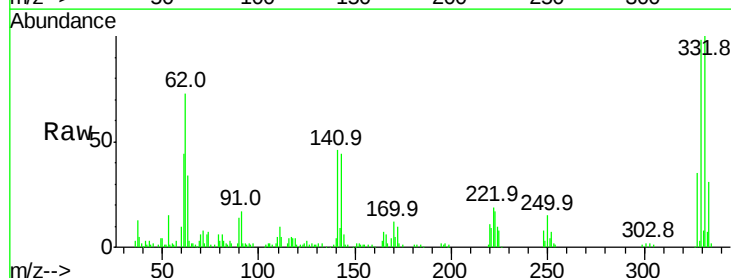
Instrument :
BNA_F
ClientSampleId :

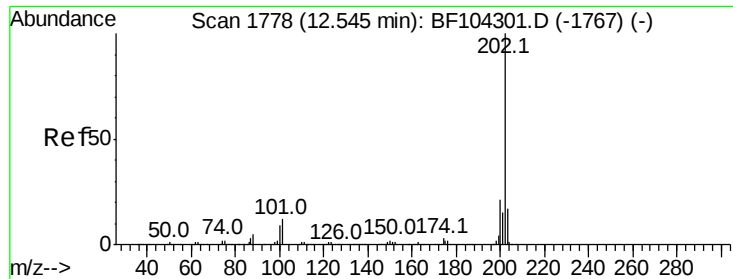
Tot Ion:188 Resp: 350508
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.401 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.19 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Tgt Ion:198 Resp: 108
Ion Ratio Lower Upper
198 100
51 217.3 37.7 77.7#
105 438.9 36.3 76.3#





#74

Fluoranthene

Concen: 3.154 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

Instrument :

BNA_F

ClientSampleId :

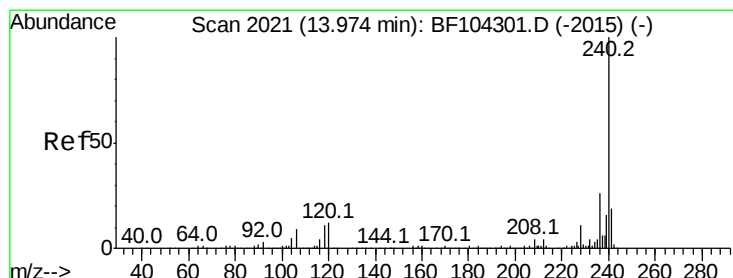
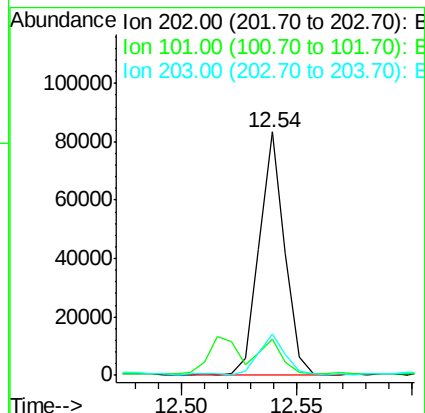
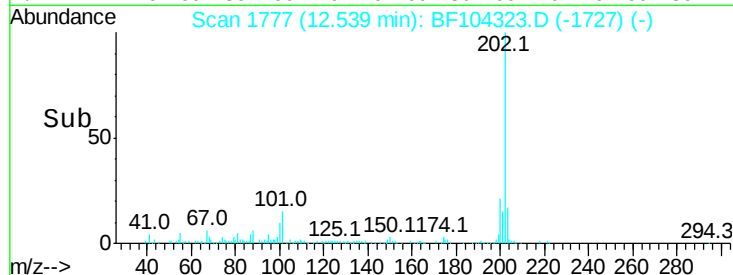
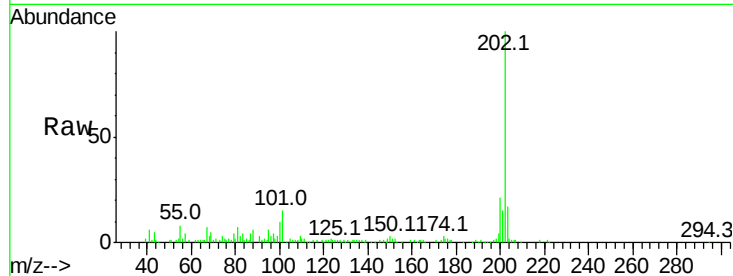
Tot Ion:202 Resp: 64318

Ion Ratio Lower Upper

202 100

101 14.7 0.0 34.1

203 16.7 0.0 38.1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

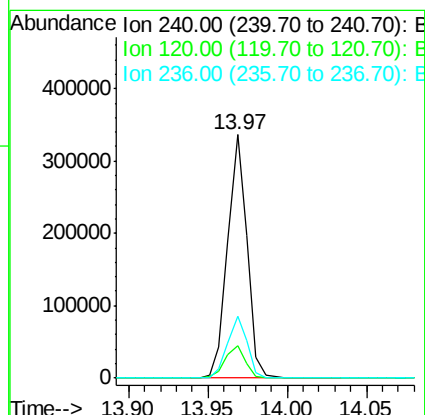
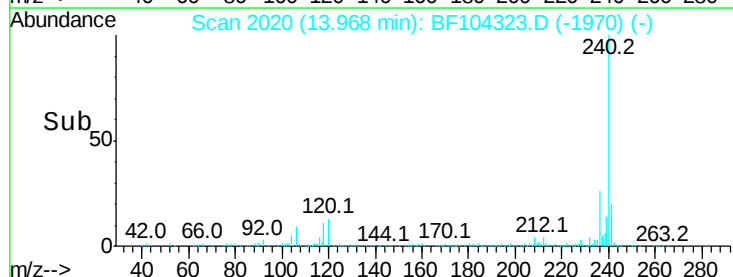
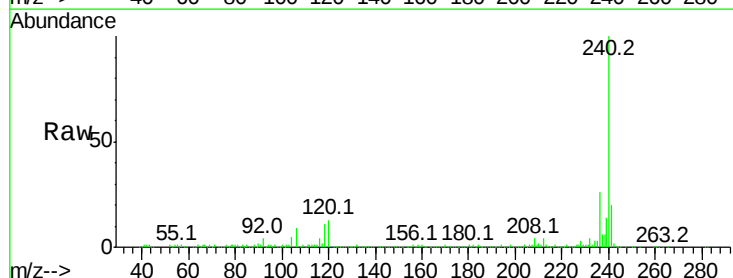
Tgt Ion:240 Resp: 285501

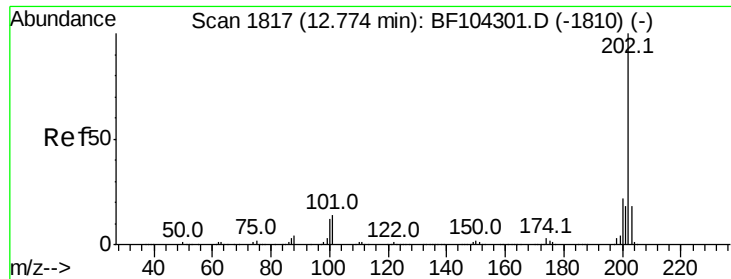
Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

236 25.6 20.7 31.1





#77

Pvrene

Concen: 3.419 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

Instrument :

BNA_F

ClientSampleId :

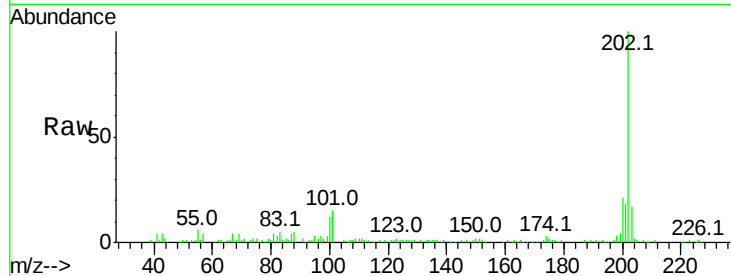
Tot Ion:202 Resp: 72347

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

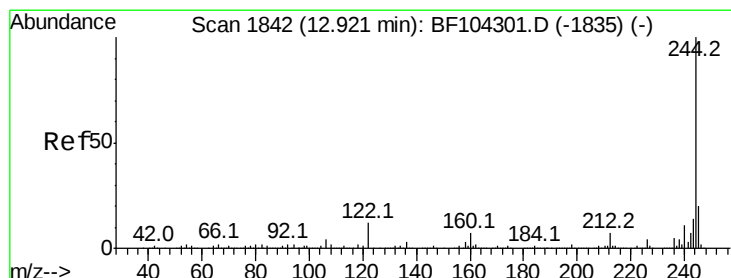
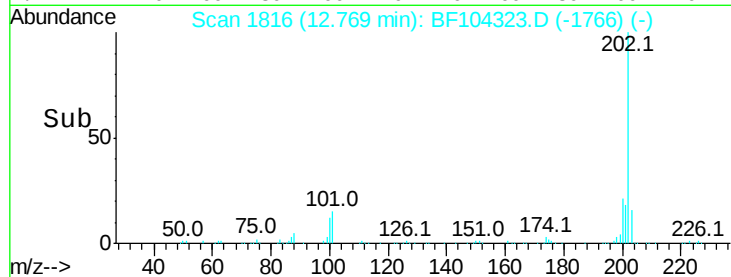
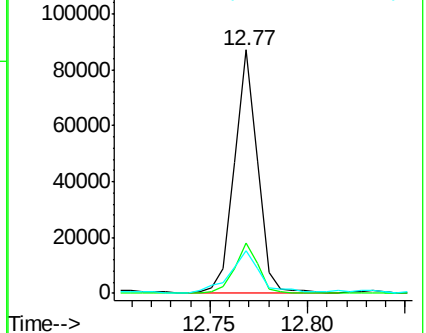
203 17.4 14.3 21.5



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: 25.136 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

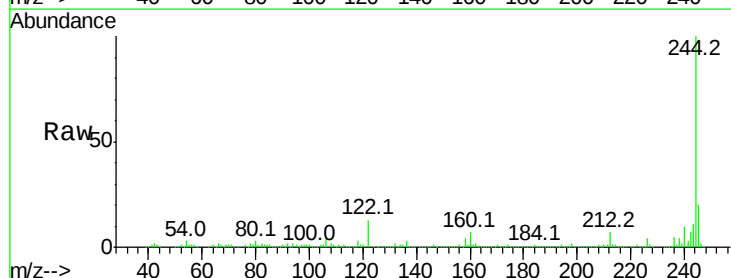
Tgt Ion:244 Resp: 314780

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

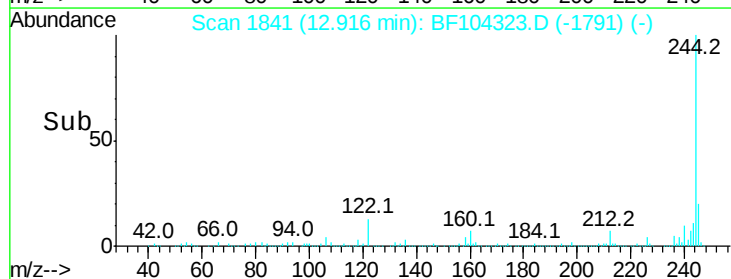
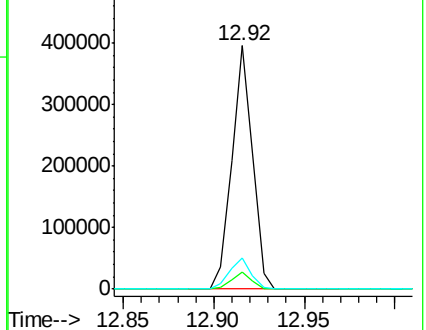
122 12.9 11.0 16.4

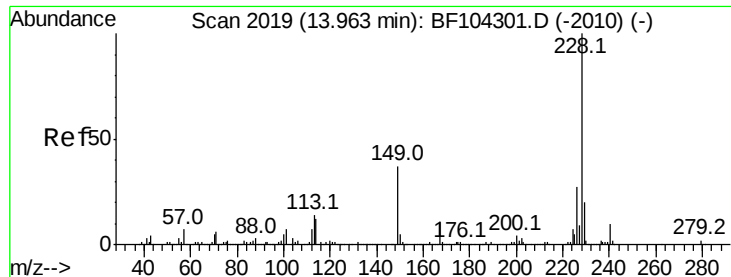


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.352 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

Instrument :

BNA_F

ClientSampled :

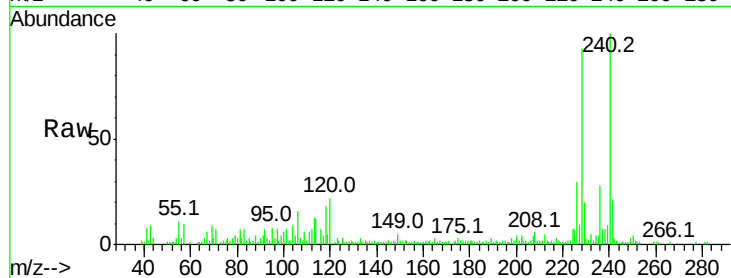
Tot Ion:228 Resp: 40123

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

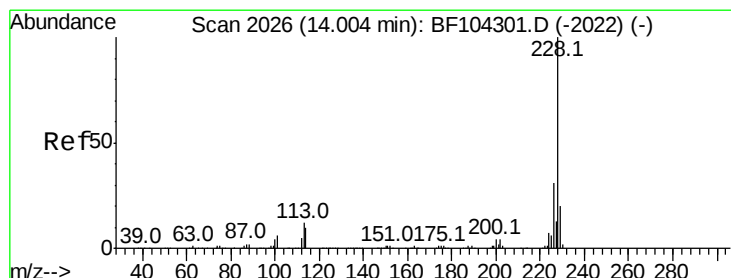
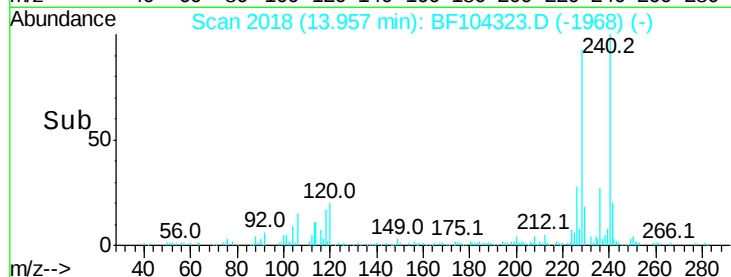
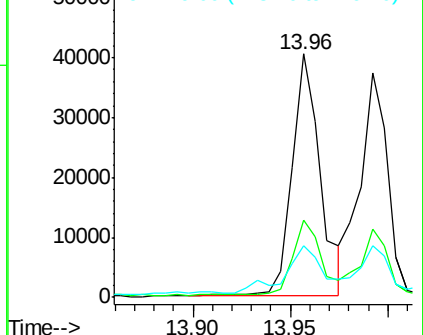
229 21.0 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.084 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

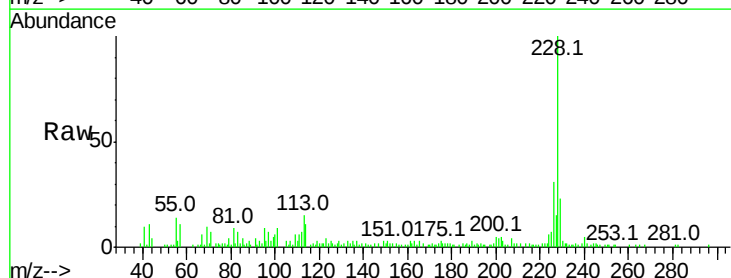
Tgt Ion:228 Resp: 36516

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

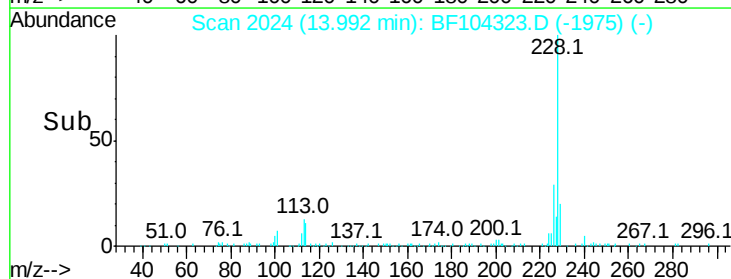
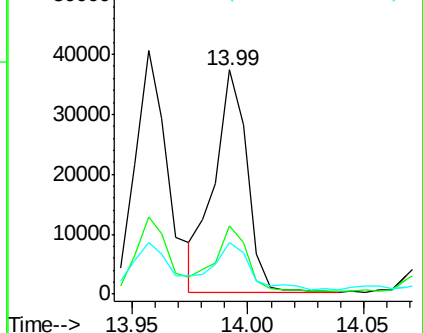
229 22.9 16.2 24.4

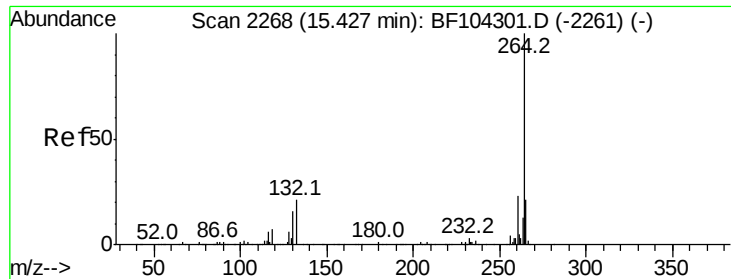


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.00 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

Instrument :

BNA_F

ClientSampleId :

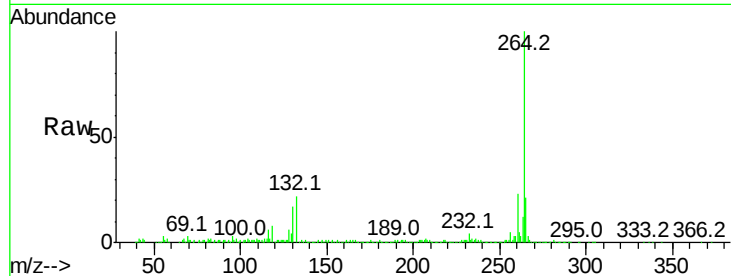
Tot Ion:264 Resp: 254645

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

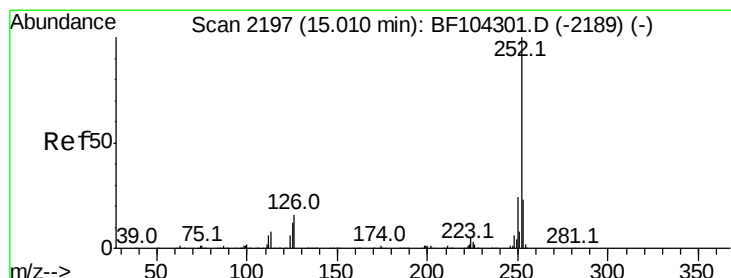
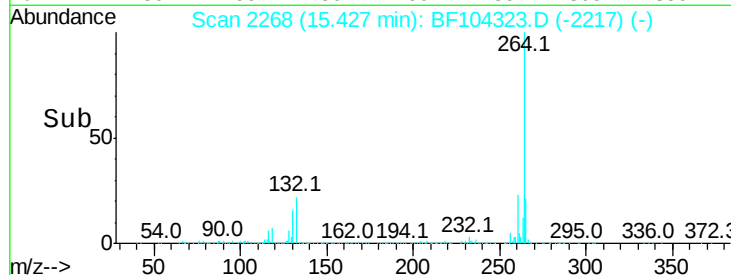
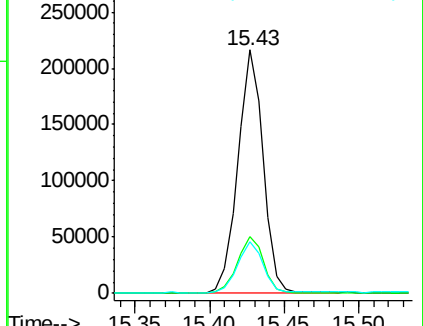
265 21.2 17.5 26.3



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: 4.112 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF104323.D

Acq: 6 Apr 2018 23:16

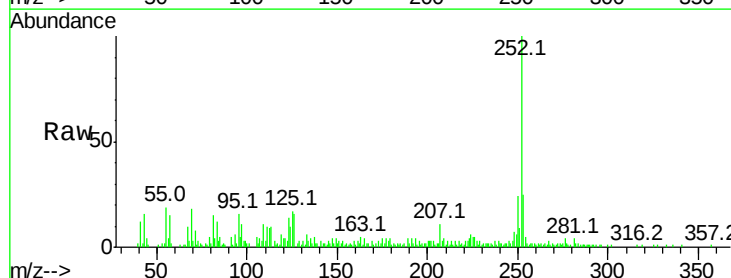
Tgt Ion:252 Resp: 66138

Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.6

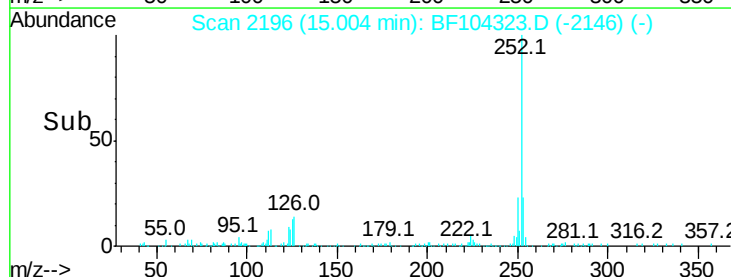
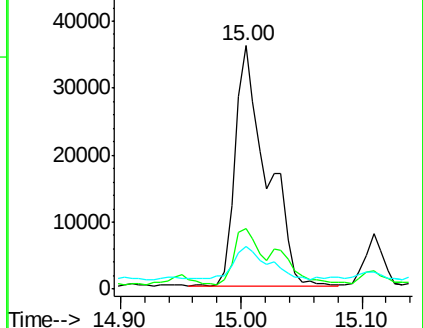
125 17.3 9.0 13.6#

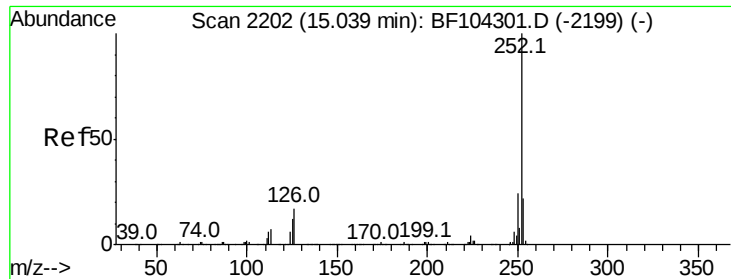


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

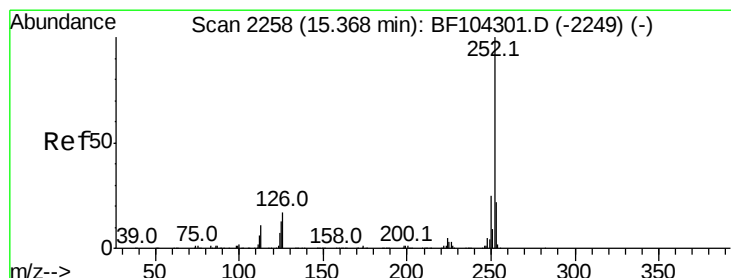
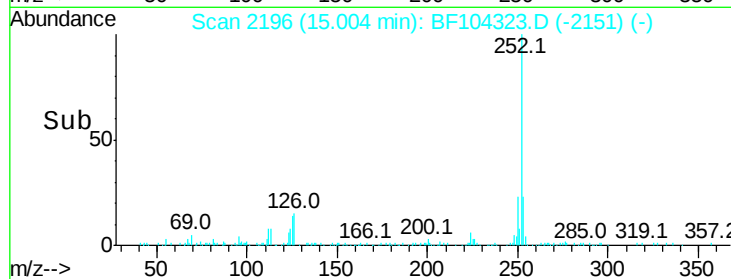
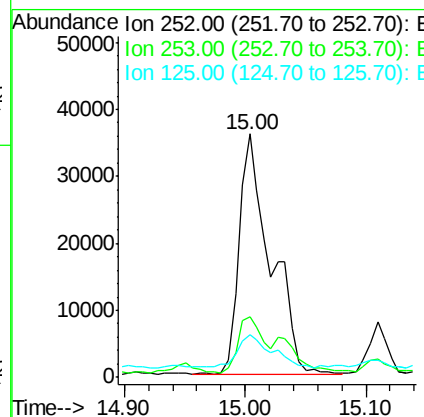
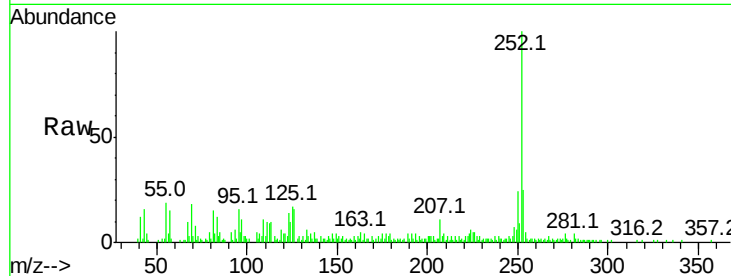




#88
Benzo(k)fluoranthene
Concen: 4.356 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 66138
Ion Ratio Lower Upper
252 100
253 24.7 17.9 26.9
125 17.3 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.447 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF104323.D
Acq: 6 Apr 2018 23:16

Tgt Ion:252 Resp: 35216
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 19.9 9.8 14.6#

