

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104131.D
 Acq On : 2 Apr 2018 13:29
 Operator : JU/SJ
 Sample : J2142-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 02 15:21:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

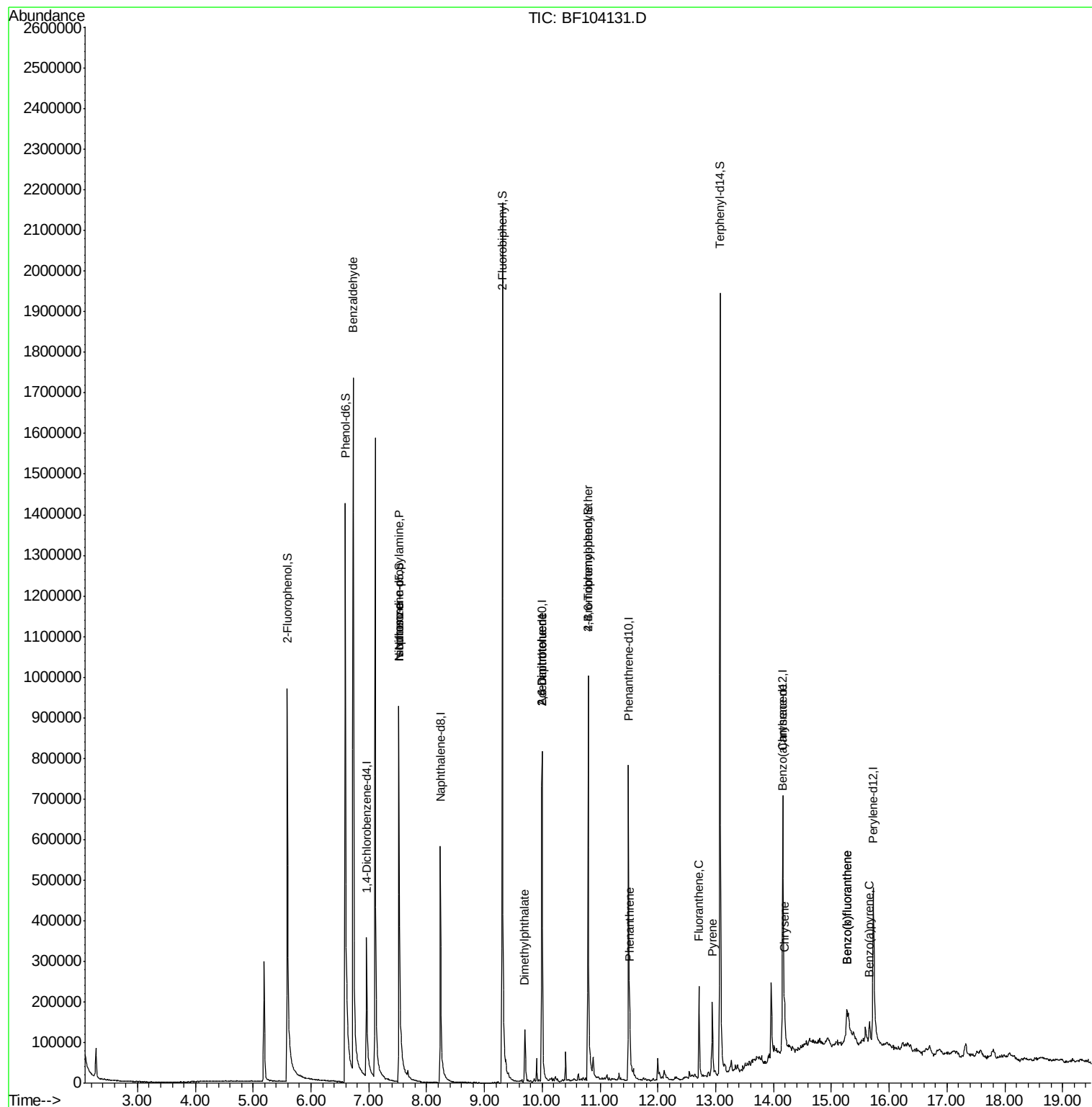
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	98390	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	418299	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	198691	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	376851	20.00	ng	0.00
75) Chrysene-d12	14.16	240	266547	20.00	ng	0.01
86) Perylene-d12	15.73	264	225812	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	502474	81.44	ng	0.00
7) Phenol-d6	6.59	99	857829	113.01	ng	0.00
23) Nitrobenzene-d5	7.52	82	534460	78.14	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	178023	80.46	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	848798	67.37	ng	0.00
78) Terphenyl-d14	13.07	244	793608	68.75	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.73	77	13417	2.180	ng	81
19) n-Nitroso-di-n-propylamine	7.52	70	63018	13.990	ng	# 73
25) Isophorone	7.52	82	535202	42.458	ng	# 64
49) Dimethylphthalate	9.70	163	71194	4.538	ng	100
50) 2,6-Dinitrotoluene	10.00	165	25013	7.411	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	25124	5.834	ng	# 23
66) 4-Bromophenyl-phenylether	10.79	248	10089	2.502	ng	# 1
70) Phenanthrene	11.52	178	46784	2.293	ng	95
74) Fluoranthene	12.71	202	113471	5.232	ng	98
77) Pyrene	12.94	202	95242	4.971	ng	98
80) Benzo(a)anthracene	14.15	228	49462	2.966	ng	97
82) Chrysene	14.19	228	43068	2.636	ng	97
87) Benzo(b)fluoranthene	15.27	252	66600	4.846	ng	# 90
88) Benzo(k)fluoranthene	15.27	252	66600	5.145	ng	# 93
89) Benzo(a)pyrene	15.66	252	32556	2.556	ng	# 90

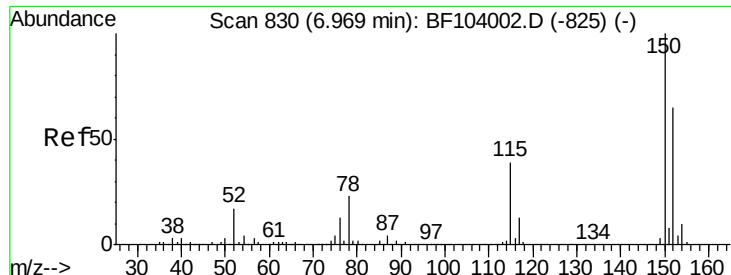
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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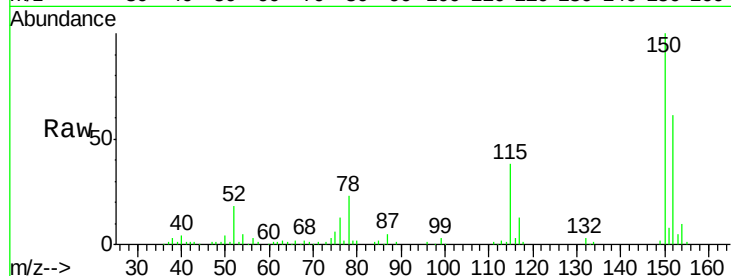


#1

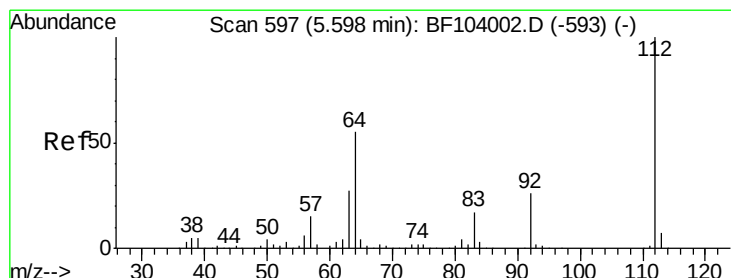
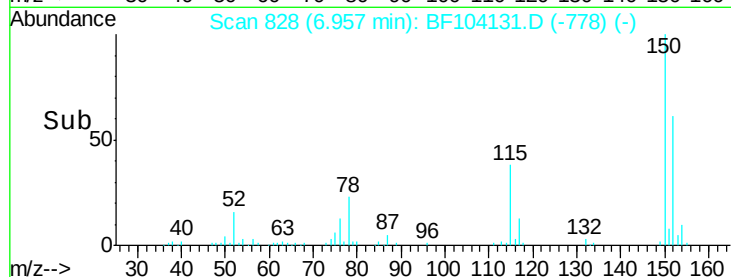
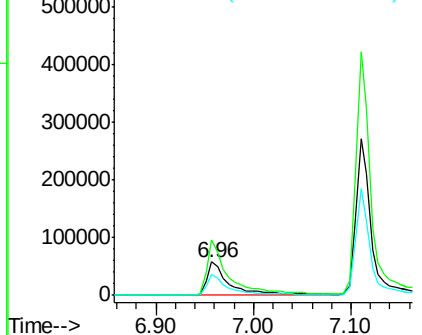
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104131.D
 Acq: 2 Apr 2018 13:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 98390
 Ion Ratio Lower Upper
 152 100
 150 164.5 124.6 186.8
 115 62.8 50.1 75.1



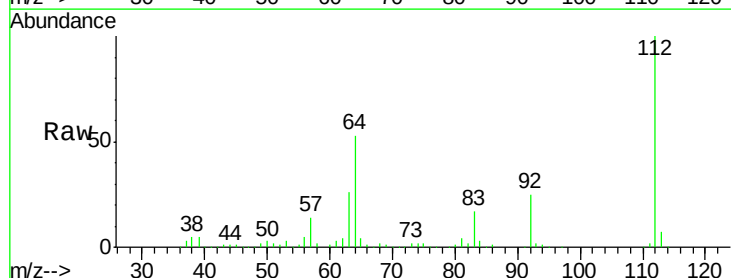
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



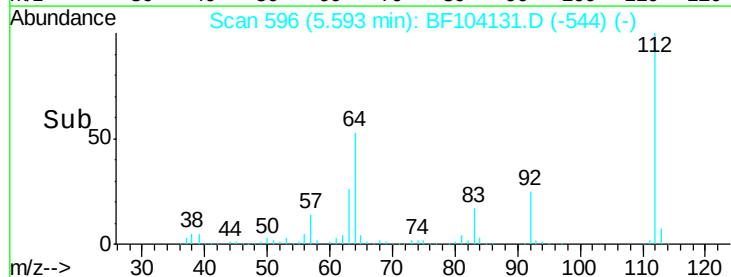
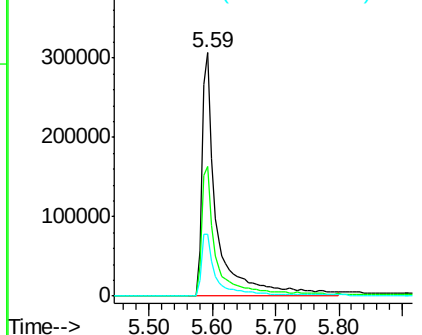
#5

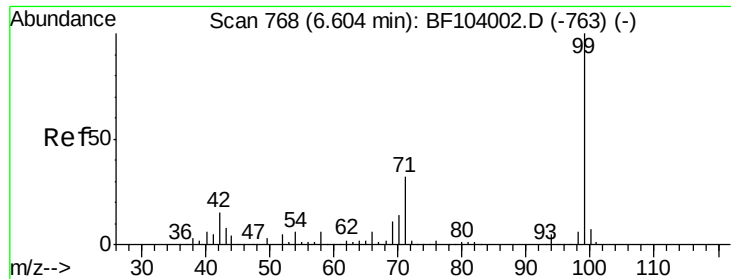
2-Fluorophenol
 Concen: 81.443 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF104131.D
 Acq: 2 Apr 2018 13:29

Tgt Ion:112 Resp: 502474
 Ion Ratio Lower Upper
 112 100
 64 53.1 47.9 71.9
 63 25.5 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: 113.013 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104131.D

Acq: 2 Apr 2018 13:29

Instrument :

BNA_F

ClientSampleId :

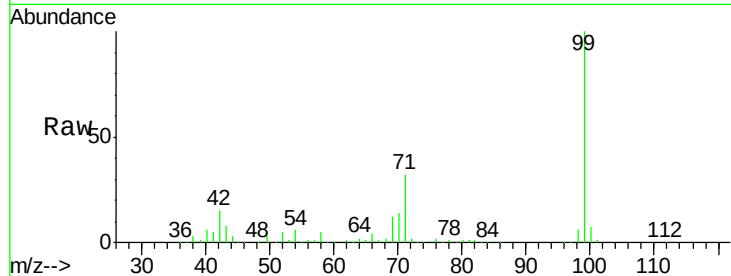
Tot Ion: 99 Resp: 857829

Ion Ratio Lower Upper

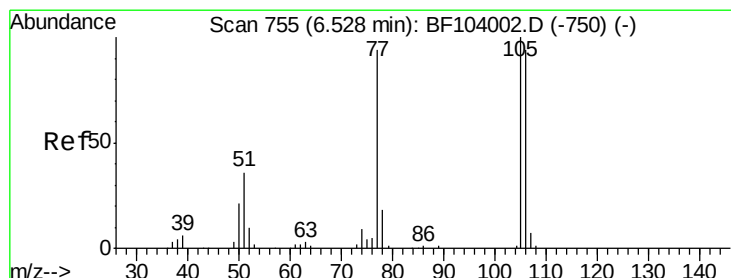
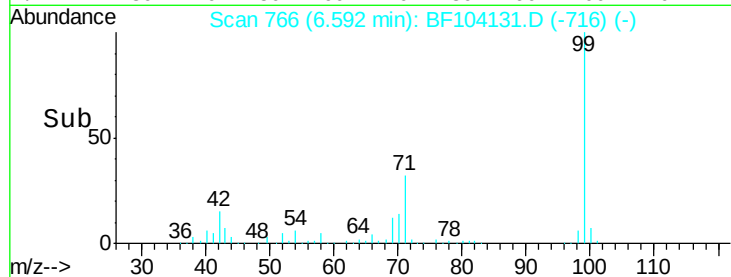
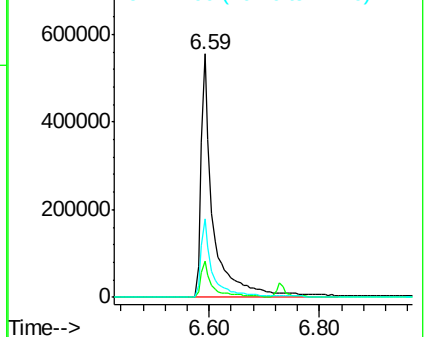
99 100

42 14.9 14.5 21.7

71 32.0 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



#9

Benzaldehyde

Concen: 2.180 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.21 min

Lab File: BF104131.D

Acq: 2 Apr 2018 13:29

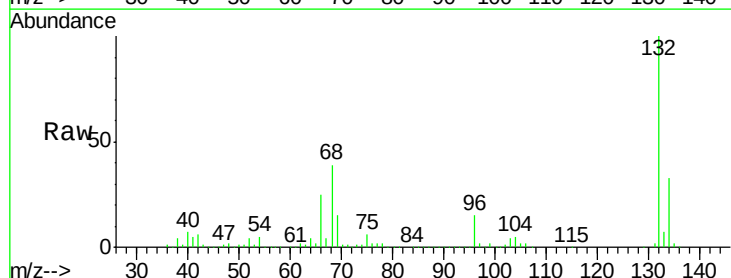
Tgt Ion: 77 Resp: 13417

Ion Ratio Lower Upper

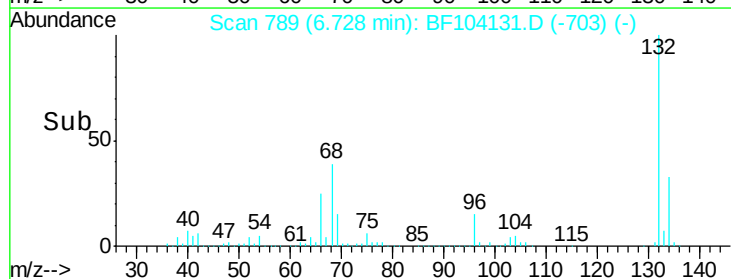
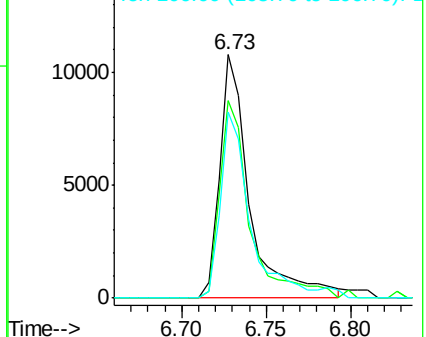
77 100

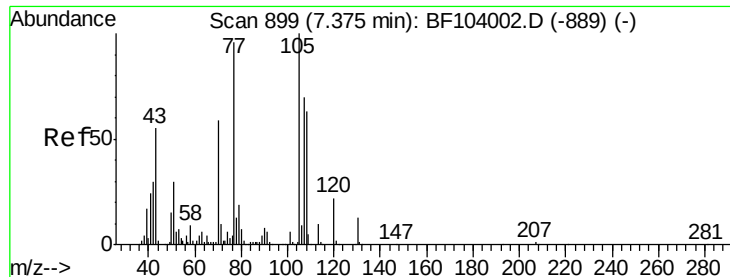
105 81.3 81.1 121.1

106 76.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

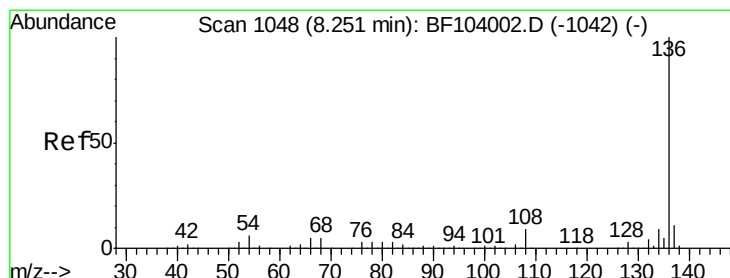
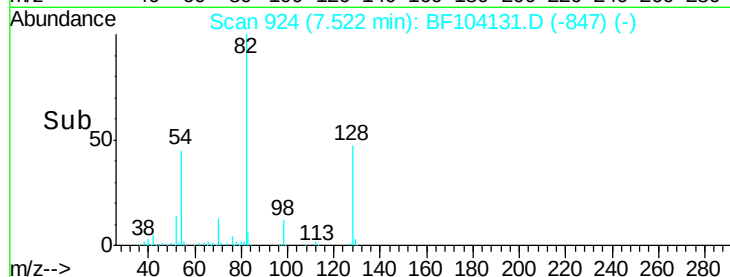
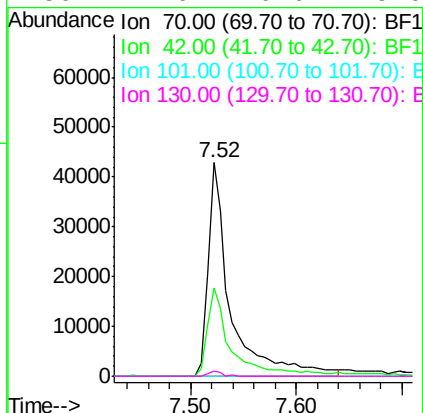
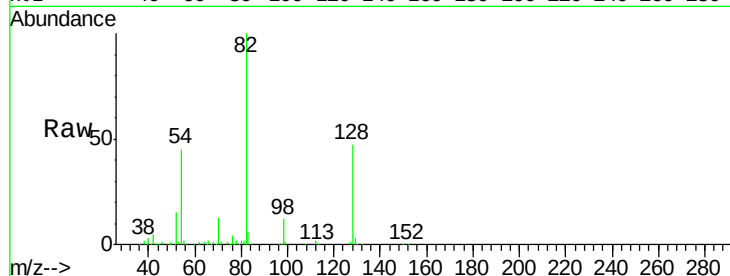




#19
n-Nitroso-di-n-propylamine
Concen: 13.990 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.15 min
Lab File: BF104131.D
Acq: 2 Apr 2018 13:29

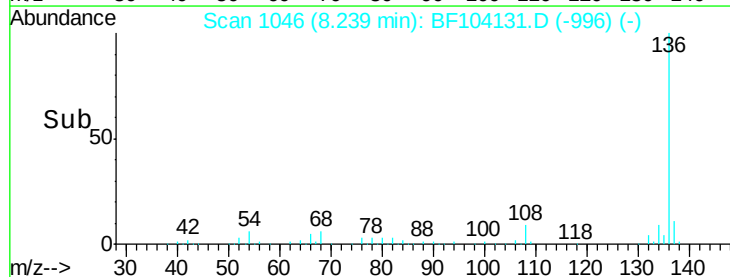
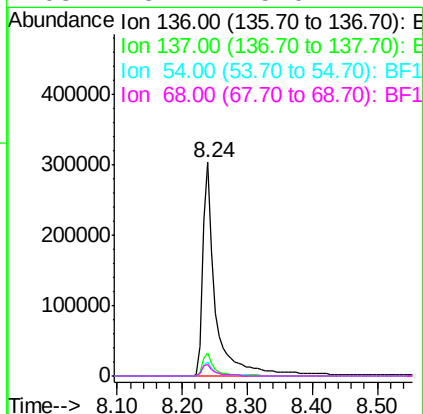
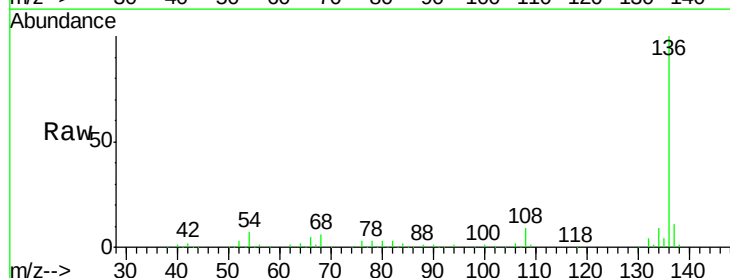
Instrument :
BNA_F
ClientSampleId :

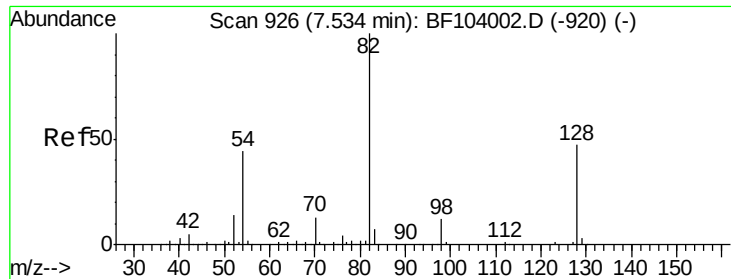
Tot Ion: 70 Resp: 63018
Ion Ratio Lower Upper
70 100
42 41.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104131.D
Acq: 2 Apr 2018 13:29

Tgt Ion: 136 Resp: 418299
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.5 6.6 9.8#
68 5.7 5.0 7.4

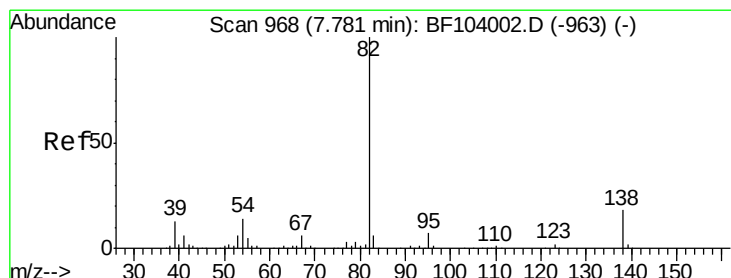
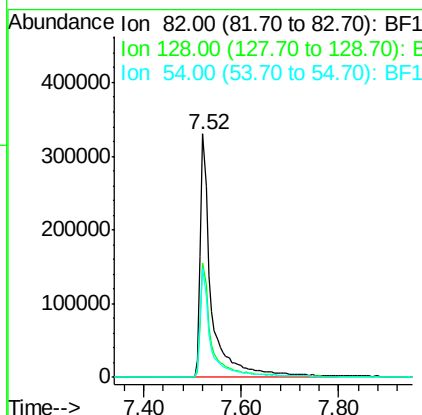
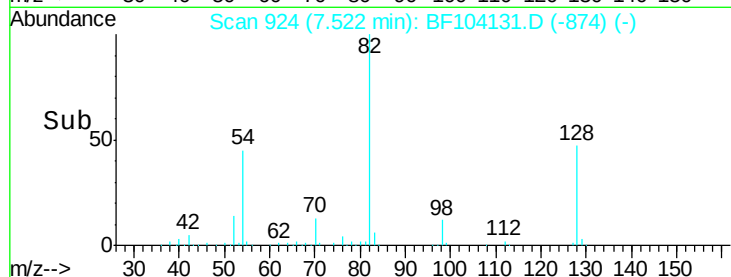
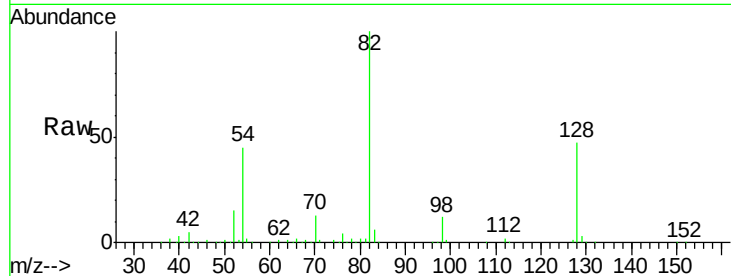




#23
Nitrobenzene-d5
Concen: 78.138 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104131.D
Acq: 2 Apr 2018 13:29

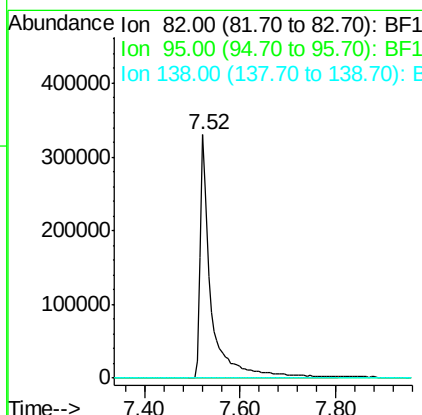
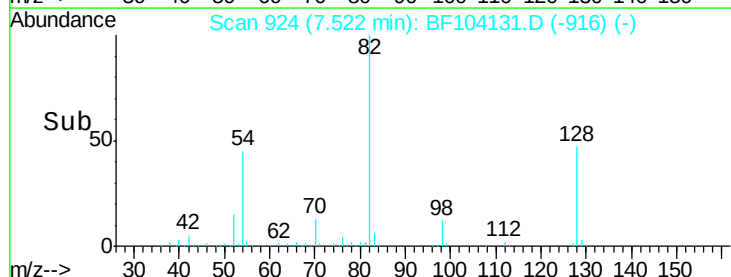
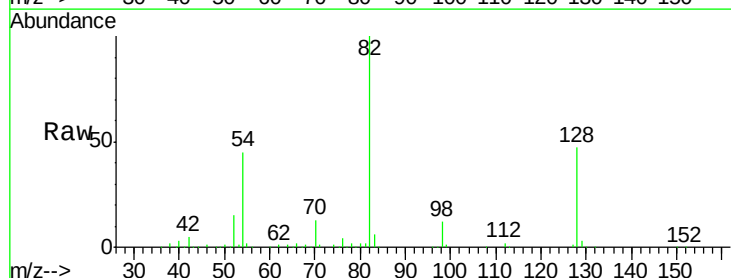
Instrument :
BNA_F
ClientSampleId :

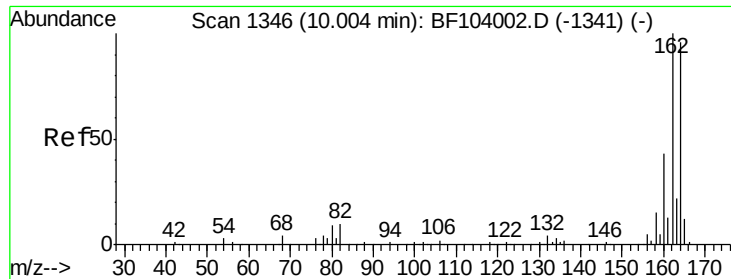
Tot Ion: 82 Resp: 534460
Ion Ratio Lower Upper
82 100
128 47.1 36.1 54.1
54 44.6 41.4 62.2



#25
Isophorone
Concen: 42.458 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.25 min
Lab File: BF104131.D
Acq: 2 Apr 2018 13:29

Tgt Ion: 82 Resp: 535202
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF104131.D

Acq: 2 Apr 2018 13:29

Instrument :

BNA_F

ClientSampleId :

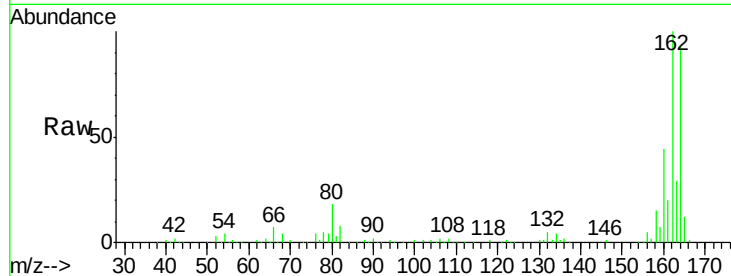
Tot Ion:164 Resp: 198691

Ion Ratio Lower Upper

164 100

162 108.0 86.1 129.1

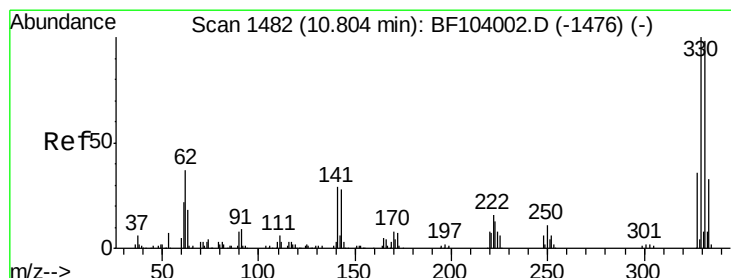
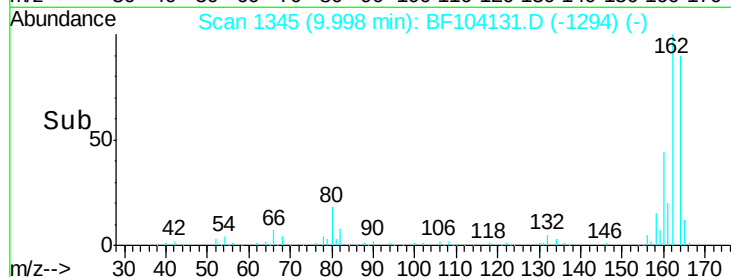
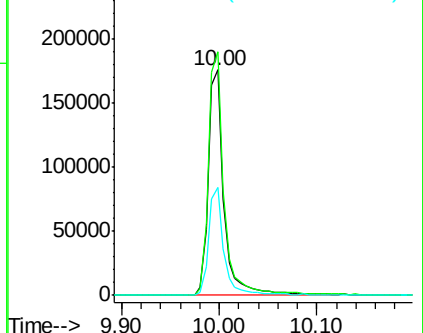
160 47.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 80.465 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF104131.D

Acq: 2 Apr 2018 13:29

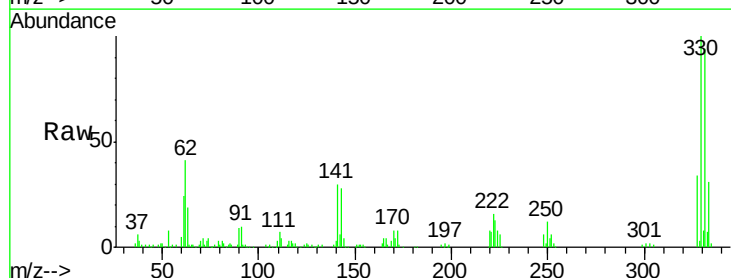
Tgt Ion:330 Resp: 178023

Ion Ratio Lower Upper

330 100

332 92.7 77.0 115.6

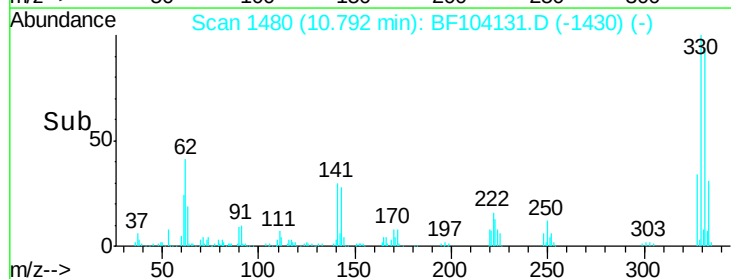
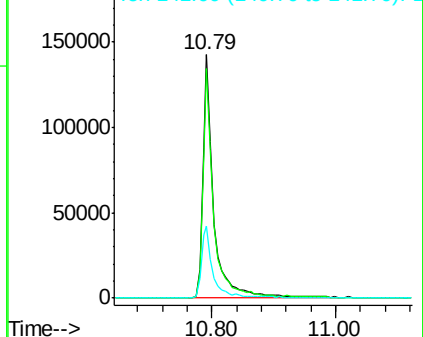
141 32.0 29.9 44.9

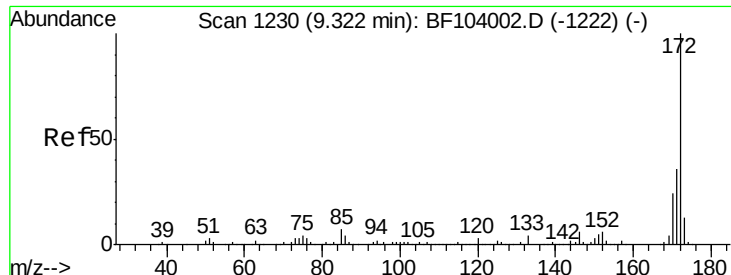


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

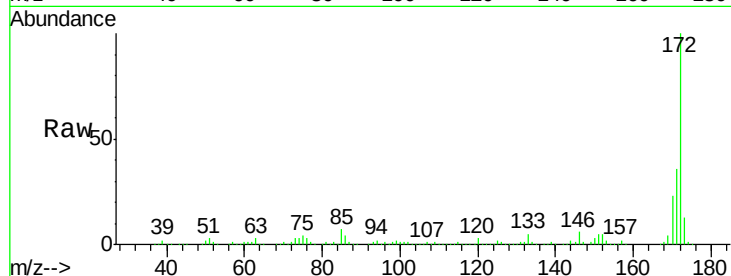




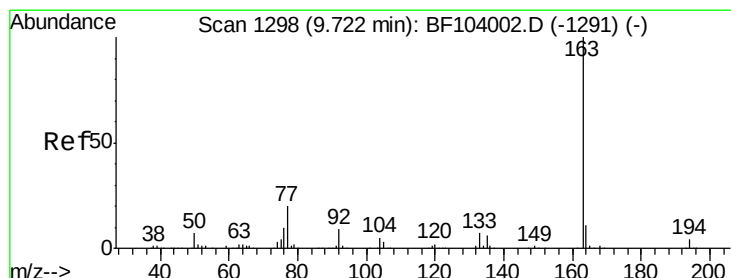
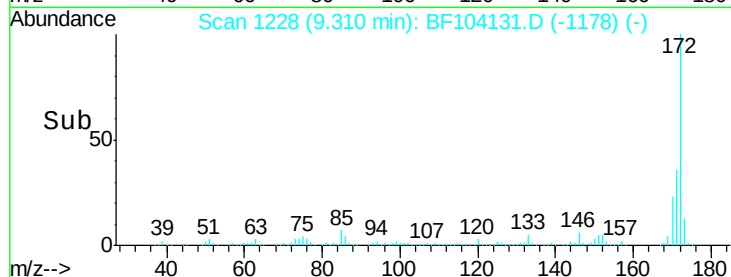
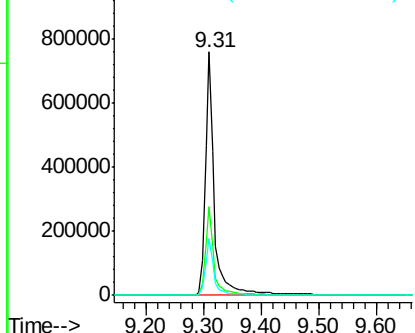
#44
2-Fluorobiphenyl
Concen: 67.365 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104131.D
Acq: 2 Apr 2018 13:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 848798
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.3 19.6 29.4

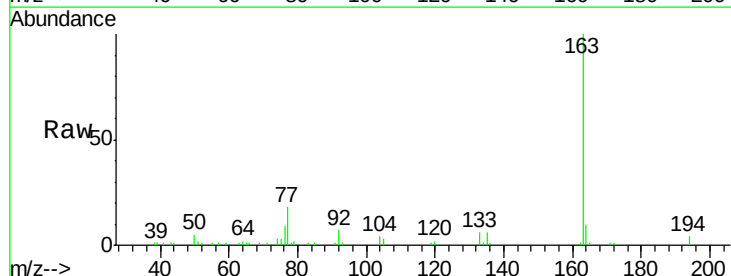


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

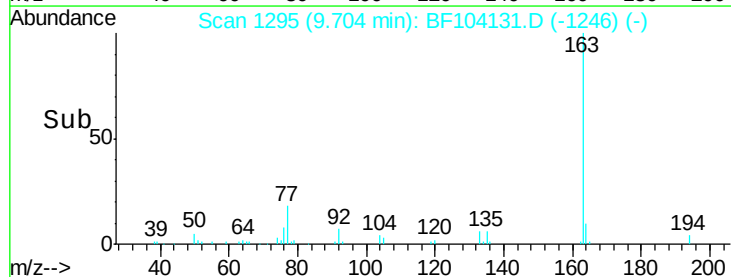
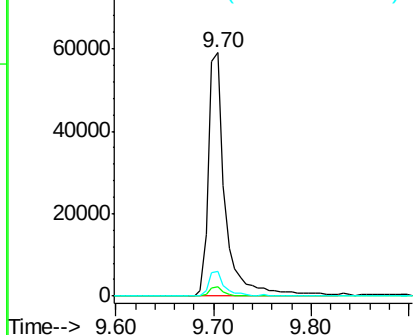


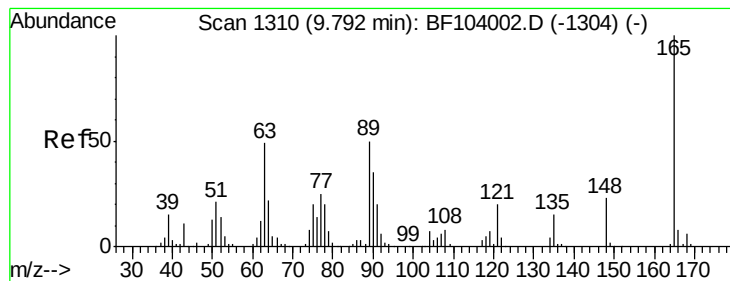
#49
Dimethylphthalate
Concen: 4.538 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104131.D
Acq: 2 Apr 2018 13:29

Tgt Ion:163 Resp: 71194
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.3 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: 7.411 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.21 min

Lab File: BF104131.D

Acq: 2 Apr 2018 13:29

Instrument :

BNA_F

ClientSampleId :

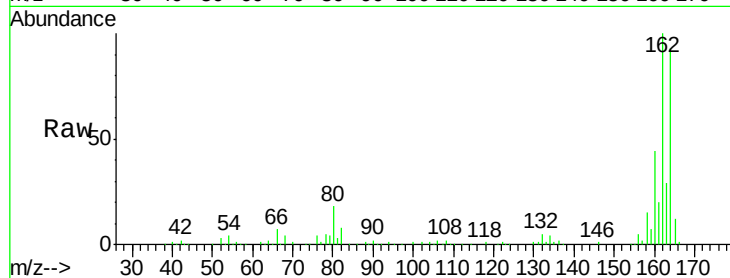
Tot Ion:165 Resp: 25013

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

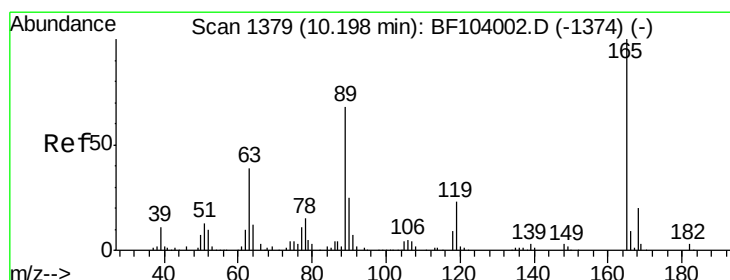
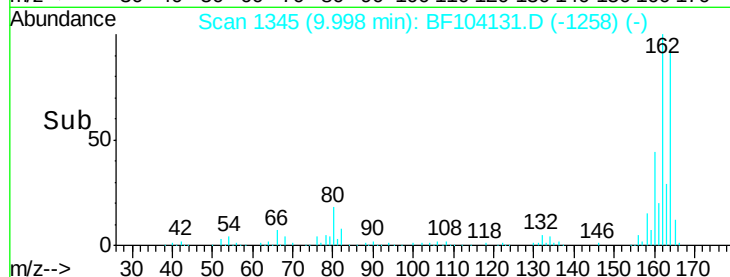
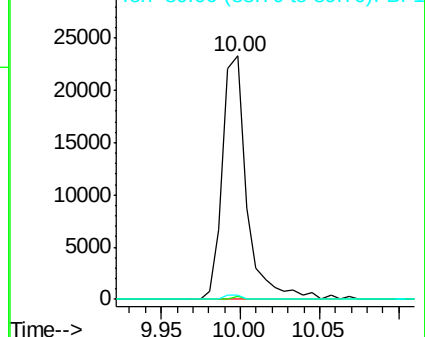
89 1.5 44.0 66.0#



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: 5.834 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.20 min

Lab File: BF104131.D

Acq: 2 Apr 2018 13:29

Tgt Ion:165 Resp: 25124

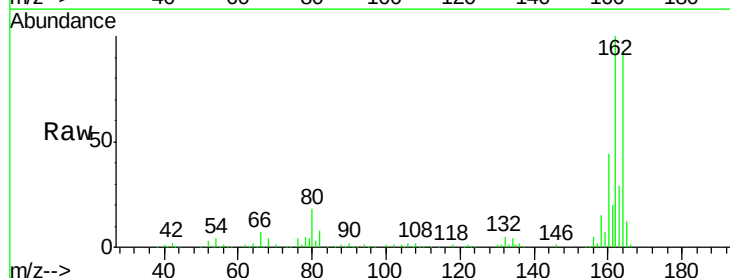
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

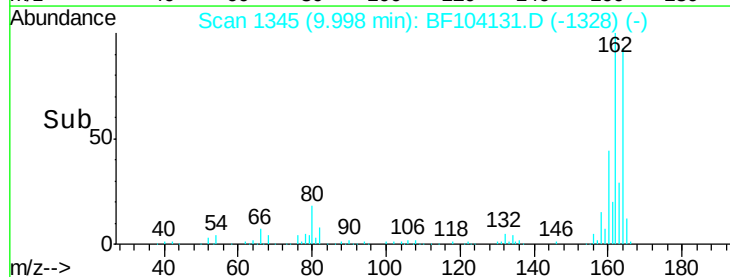
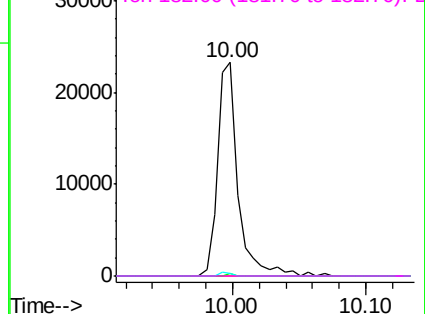


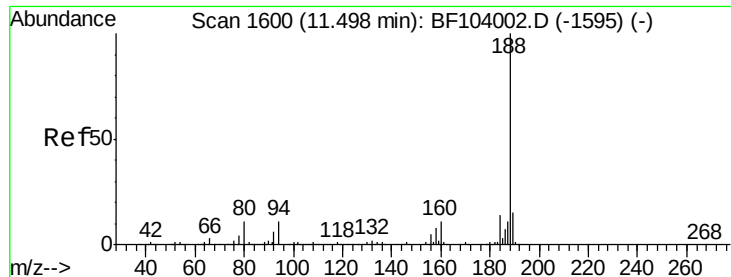
Abundance Ion 165.00 (164.70 to 165.70): E

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

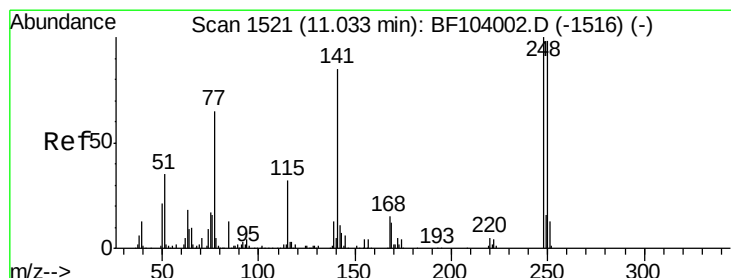
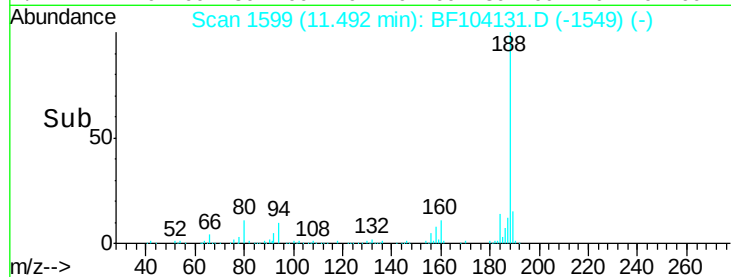
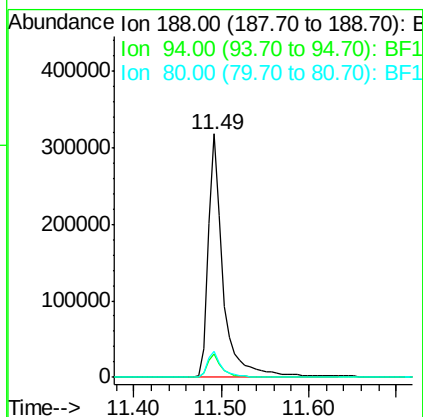
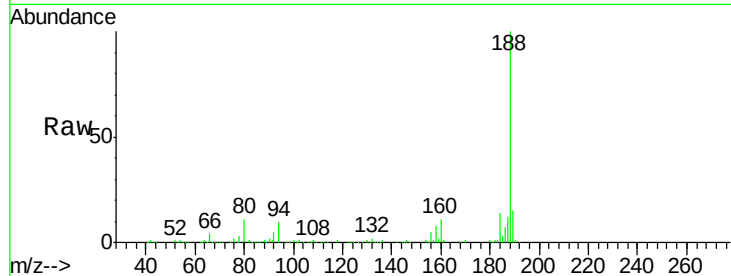




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF104131.D
 Acq: 2 Apr 2018 13:29

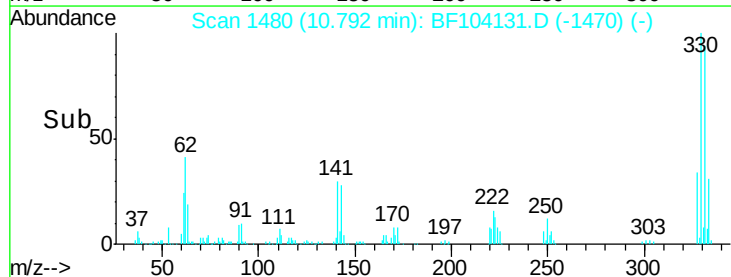
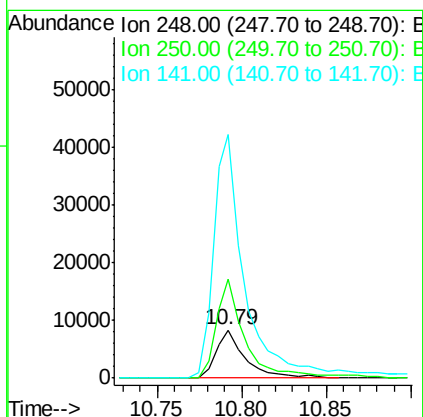
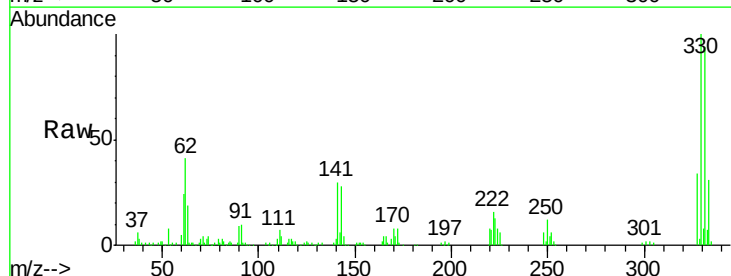
Instrument :
 BNA_F
 ClientSampleId :

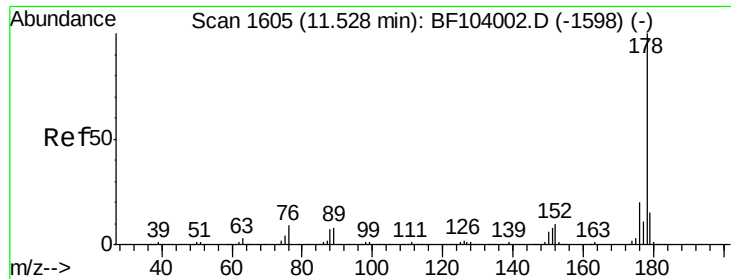
Tot Ion:188 Resp: 376851
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.5 12.7
 80 10.8 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 2.502 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.24 min
 Lab File: BF104131.D
 Acq: 2 Apr 2018 13:29

Tgt Ion:248 Resp: 10089
 Ion Ratio Lower Upper
 248 100
 250 206.2 76.9 115.3#
 141 508.7 74.4 111.6#

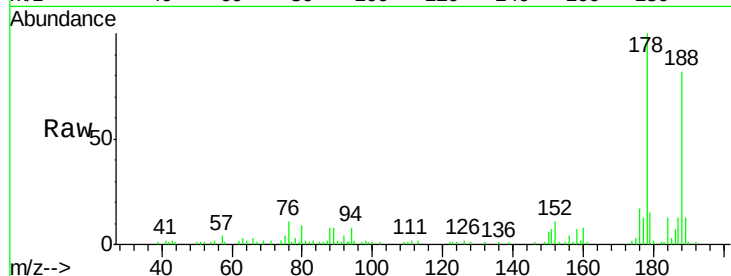




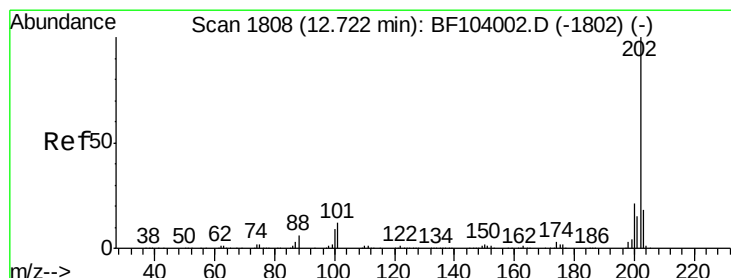
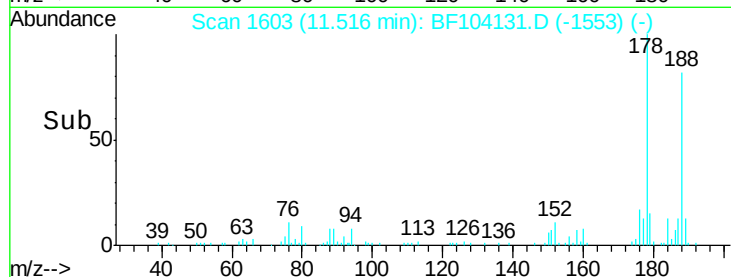
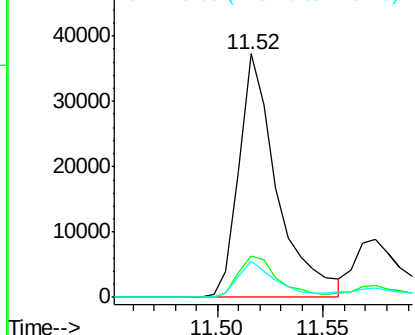
#70
Phenanthrene
Concen: 2.293 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104131.D
Acq: 2 Apr 2018 13:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 46784
Ion Ratio Lower Upper
178 100
176 17.2 15.8 23.8
179 14.8 13.0 19.6

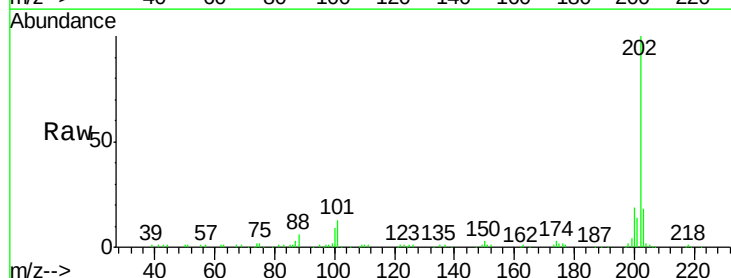


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

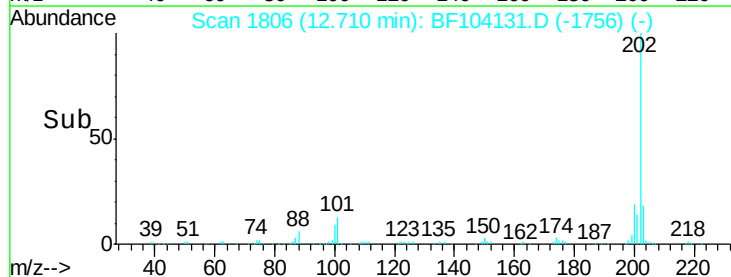
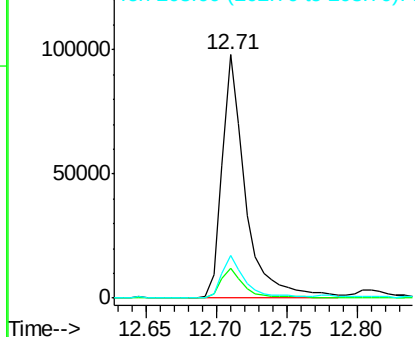


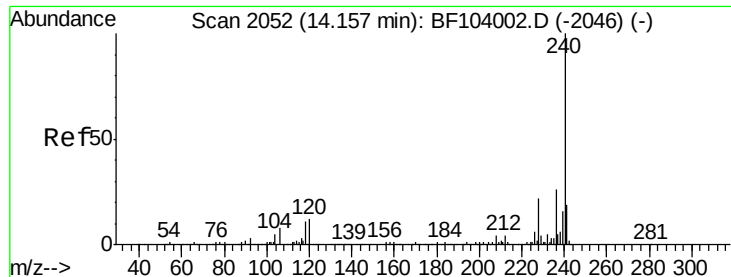
#74
Fluoranthene
Concen: 5.232 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF104131.D
Acq: 2 Apr 2018 13:29

Tgt Ion:202 Resp: 113471
Ion Ratio Lower Upper
202 100
101 12.5 0.0 34.1
203 17.6 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF104131.D

Acq: 2 Apr 2018 13:29

Instrument :

BNA_F

ClientSampled :

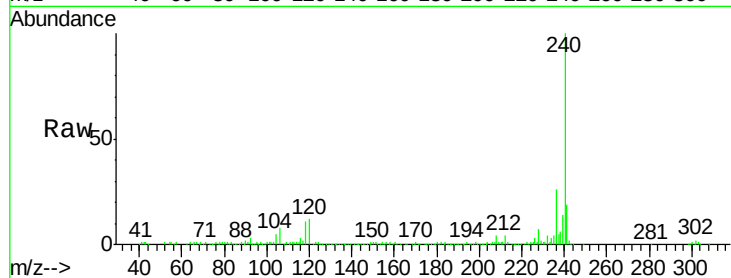
Tot Ion:240 Resp: 266547

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

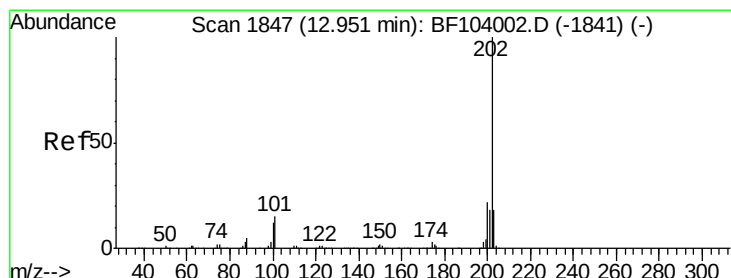
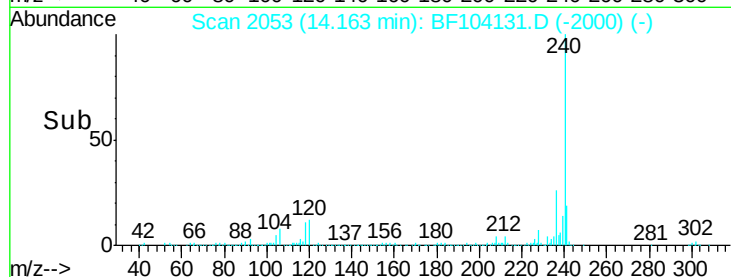
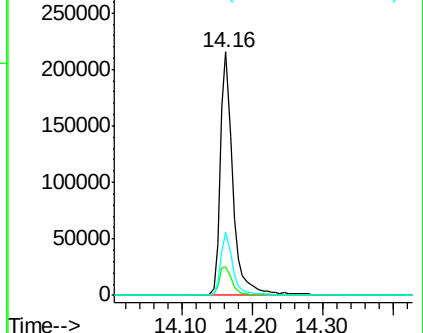
236 26.1 20.7 31.1



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: 4.971 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF104131.D

Acq: 2 Apr 2018 13:29

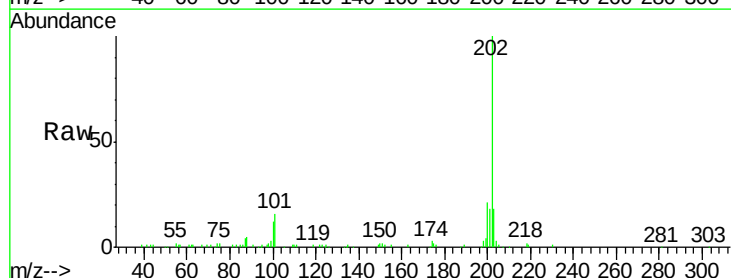
Tgt Ion:202 Resp: 95242

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

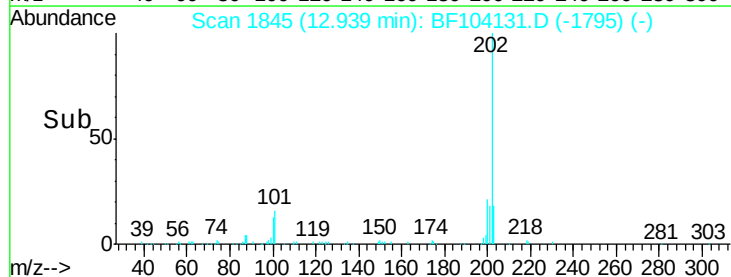
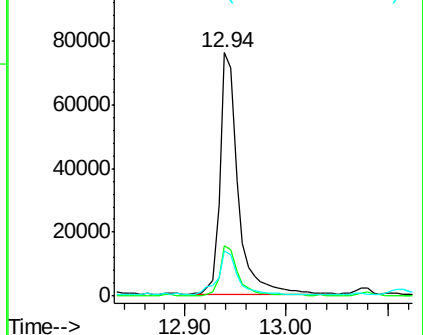
203 18.3 14.3 21.5

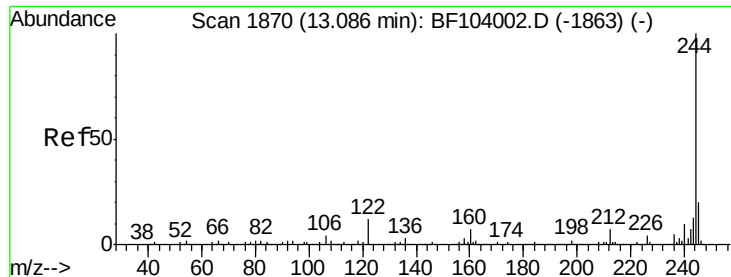


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

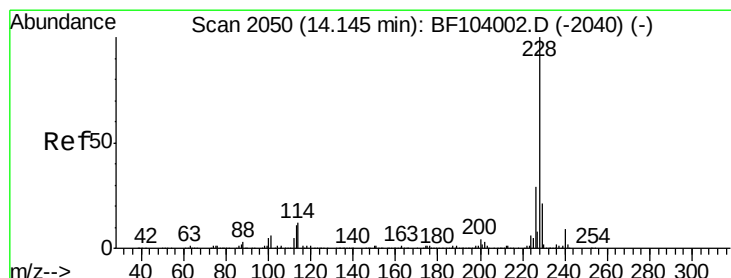
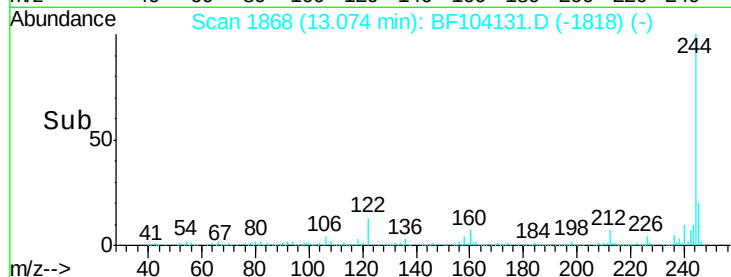
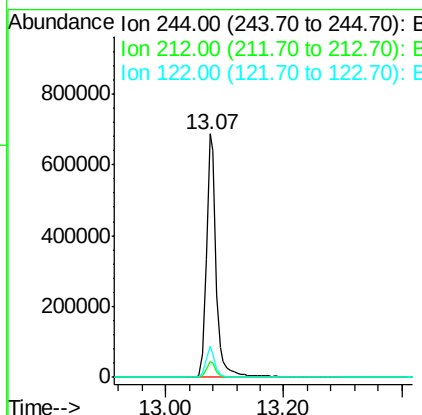
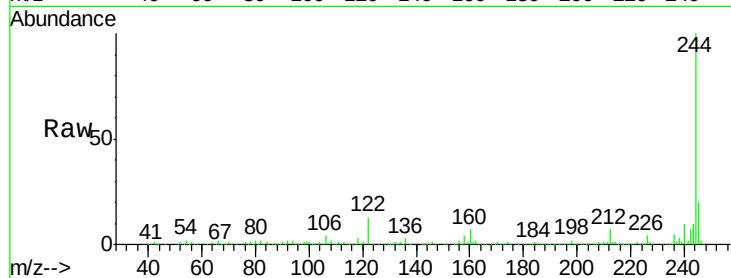




#78
 Terphenyl-d14
 Concen: 68.746 ng
 RT: 13.07 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: BF104131.D
 Acq: 2 Apr 2018 13:29

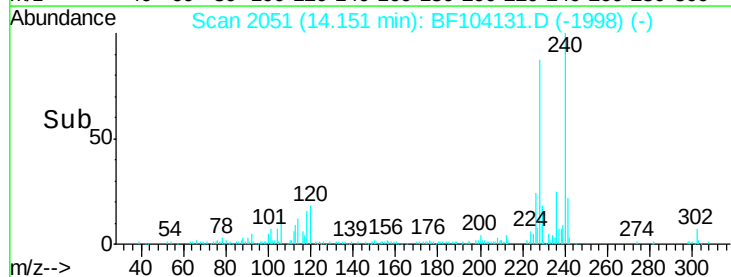
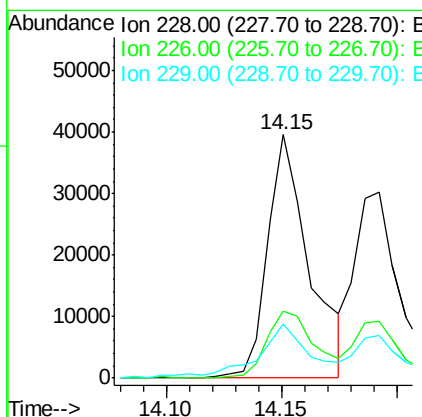
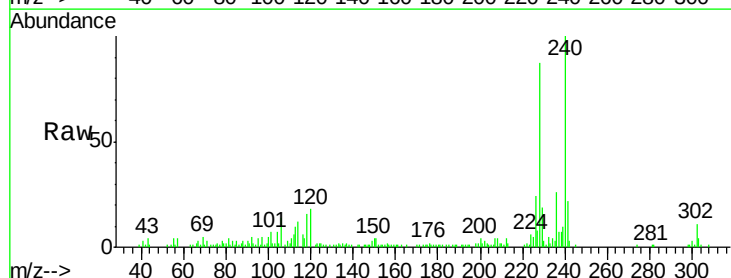
Instrument :
 BNA_F
 ClientSampleId :

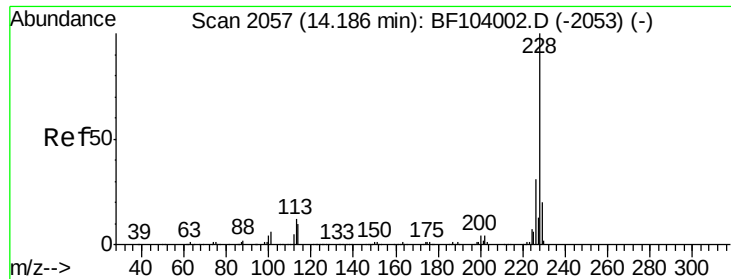
Tot Ion:244 Resp: 793608
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.966 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. 0.01 min
 Lab File: BF104131.D
 Acq: 2 Apr 2018 13:29

Tgt Ion:228 Resp: 49462
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.6 33.8
 229 22.1 15.8 23.6

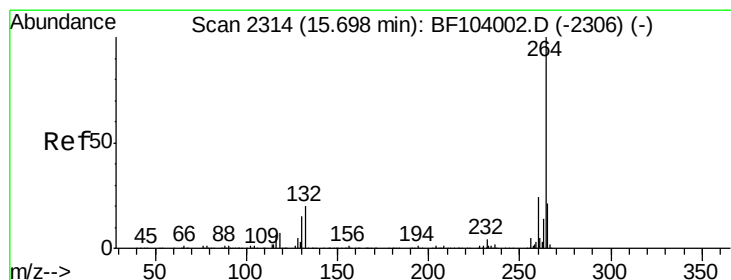
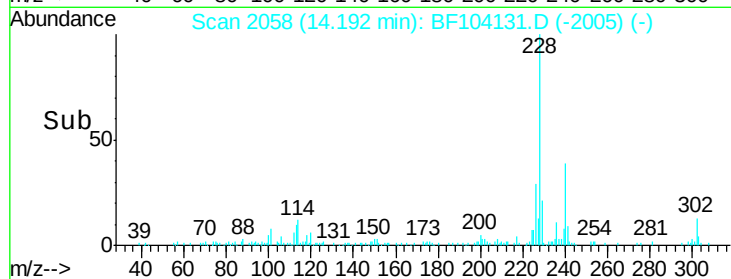
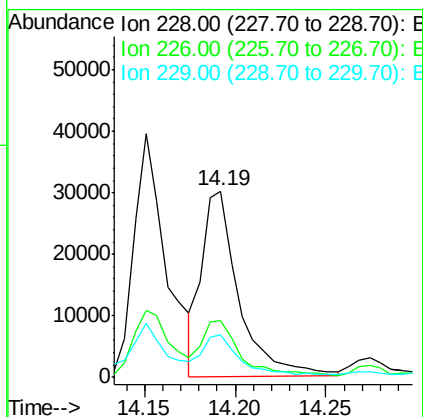
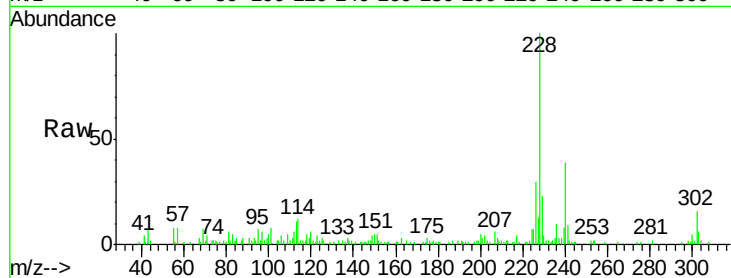




#82
Chrysene
Concen: 2.636 ng
RT: 14.19 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF104131.D
Acq: 2 Apr 2018 13:29

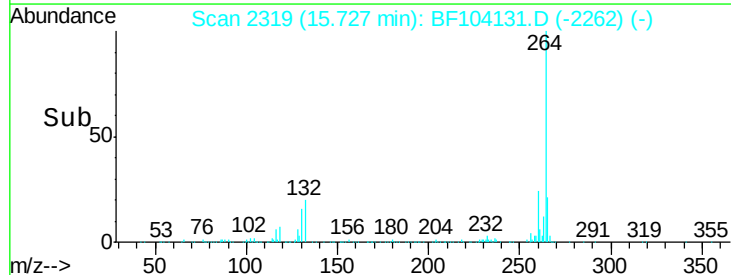
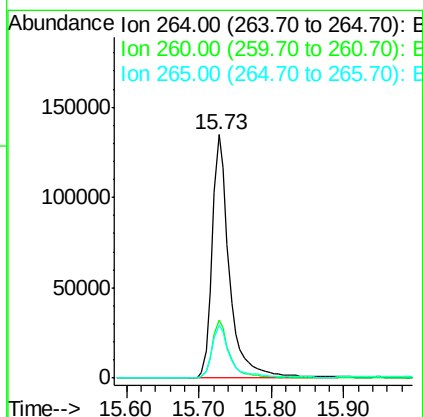
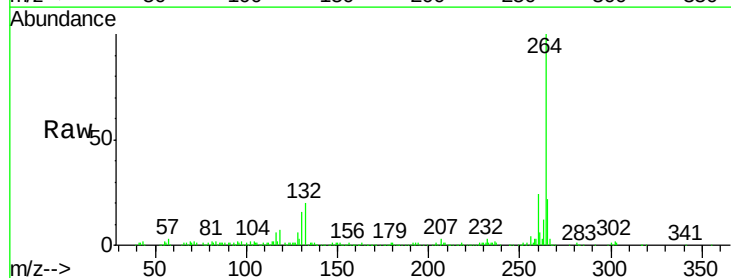
Instrument :
BNA_F
ClientSampleId :

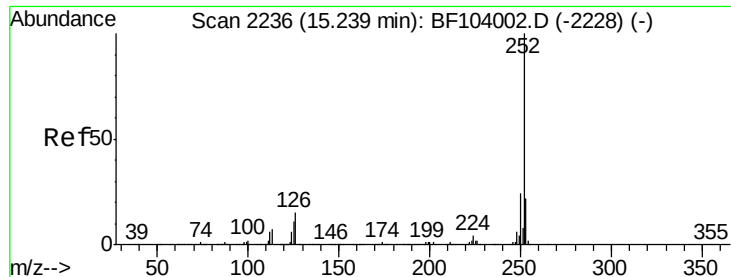
Tot Ion:228 Resp: 43068
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 22.6 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.73 min Scan# 2319
Delta R.T. 0.04 min
Lab File: BF104131.D
Acq: 2 Apr 2018 13:29

Tgt Ion:264 Resp: 225812
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.846 ng

RT: 15.27 min Scan# 2241

Delta R.T. 0.04 min

Lab File: BF104131.D

Acq: 2 Apr 2018 13:29

Instrument :

BNA_F

ClientSampleId :

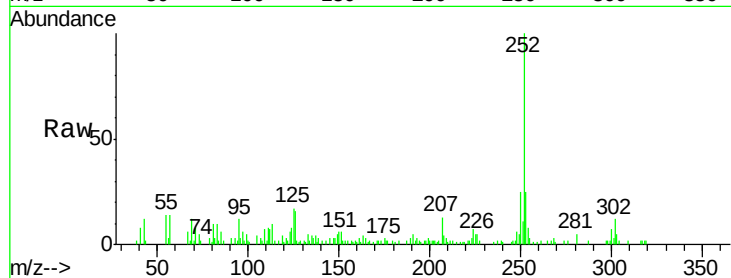
Tot Ion:252 Resp: 66600

Ion Ratio Lower Upper

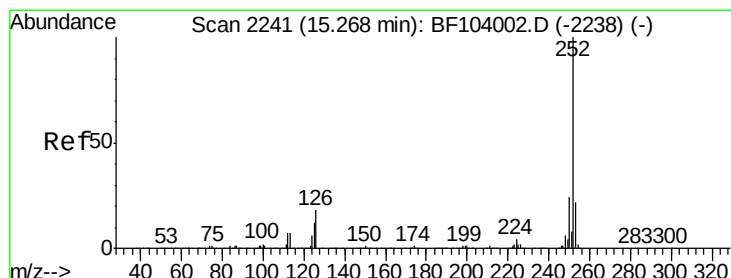
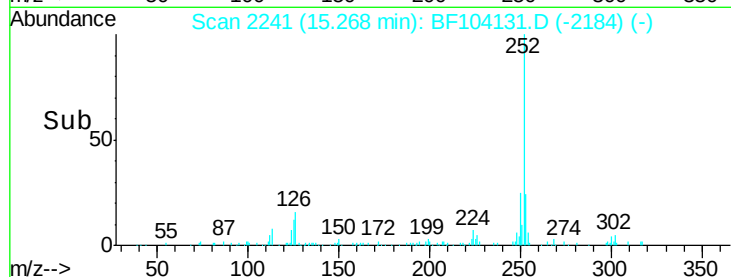
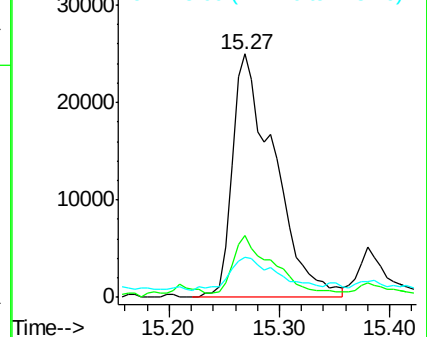
252 100

253 25.2 17.0 25.6

125 16.5 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: 5.145 ng

RT: 15.27 min Scan# 2241

Delta R.T. 0.01 min

Lab File: BF104131.D

Acq: 2 Apr 2018 13:29

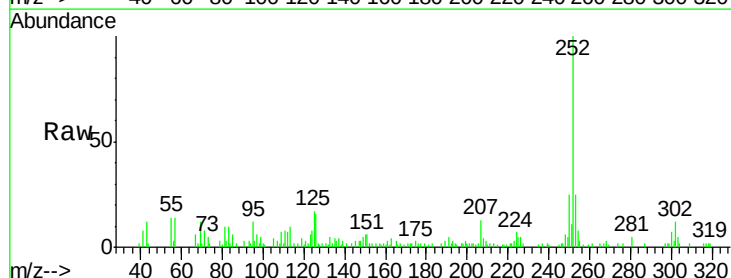
Tgt Ion:252 Resp: 66600

Ion Ratio Lower Upper

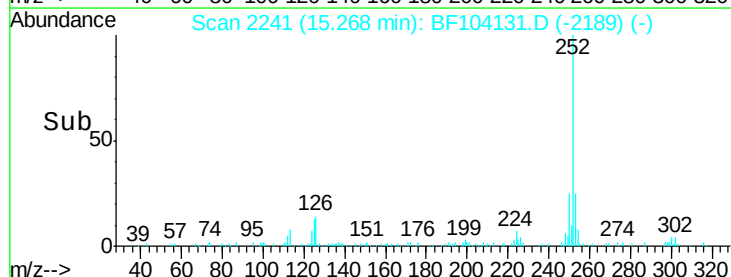
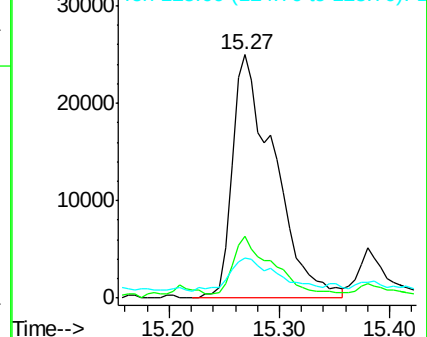
252 100

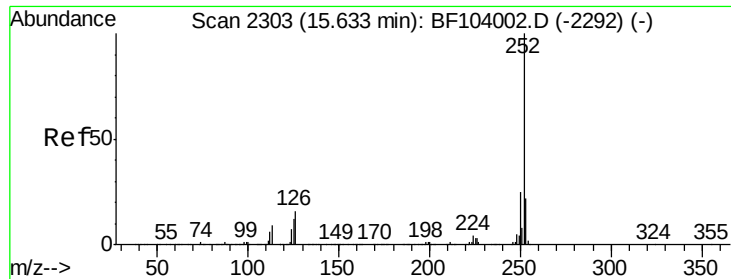
253 25.2 17.9 26.9

125 16.5 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.556 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.04 min

Lab File: BF104131.D

Acq: 2 Apr 2018 13:29

Instrument :

BNA_F

ClientSampleId :

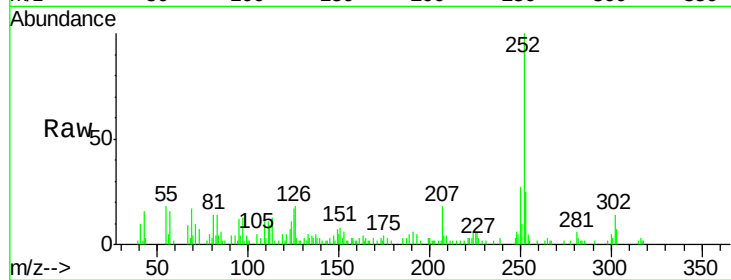
Tot Ion:252 Resp: 32556

Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

125 17.3 9.8 14.6



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

