

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101251.D
 Acq On : 8 Dec 2017 22:13
 Operator : SJ/JU
 Sample : I6656-06RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BART-2-E(0-1)RE

Quant Time: Dec 11 13:42:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

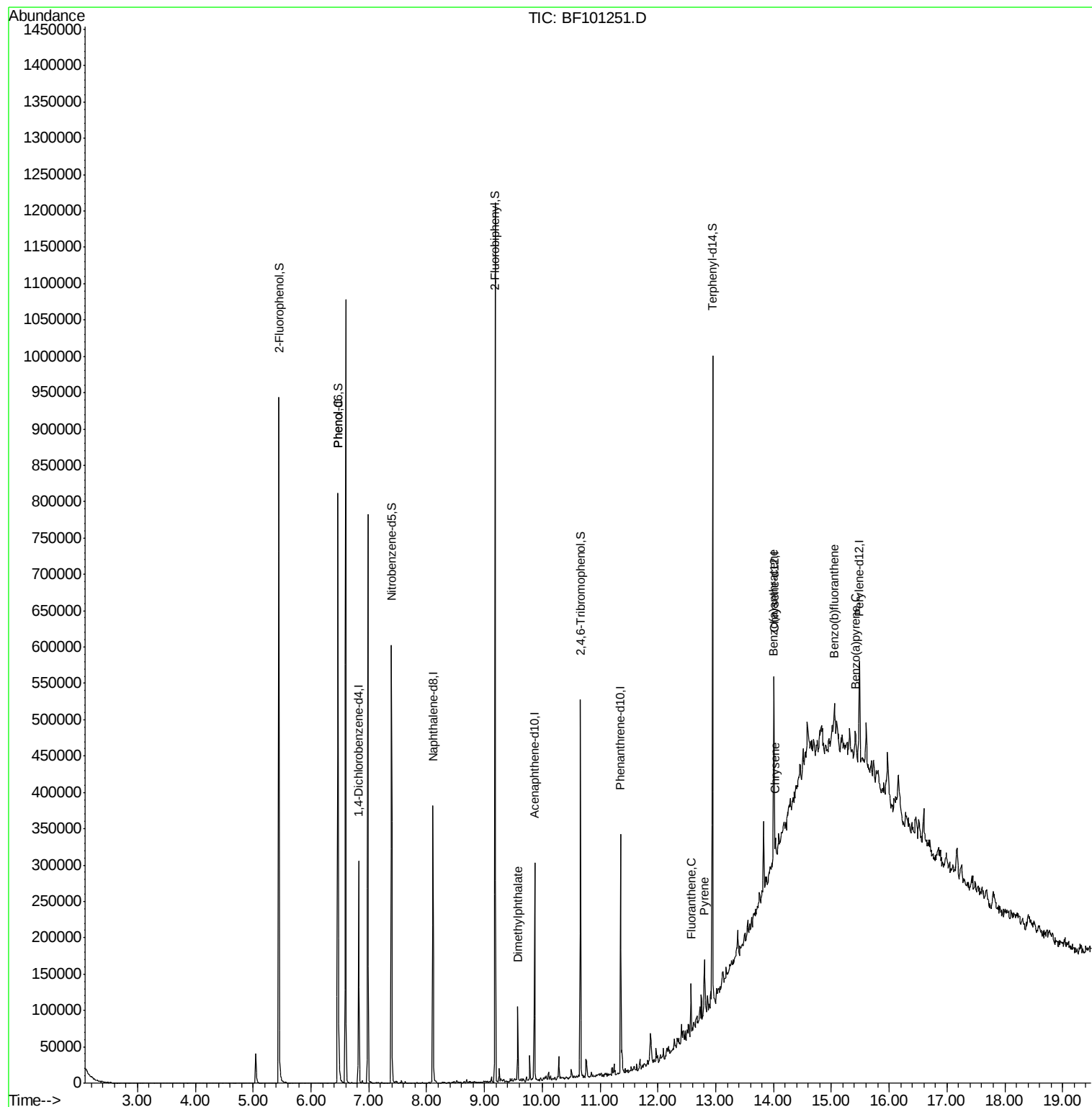
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	42923	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	154278	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	60251	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	102959	20.00	ng	0.00
75) Chrysene-d12	14.01	240	86874	20.00	ng	0.00
86) Perylene-d12	15.49	264	62520	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	265514	102.22	ng	0.00
7) Phenol-d6	6.47	99	311033	98.63	ng	0.00
23) Nitrobenzene-d5	7.39	82	173034	66.91	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	62009	85.67	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	344627	78.26	ng	0.00
78) Terphenyl-d14	12.94	244	293244	73.83	ng	0.00
Target Compounds						
10) Phenol	6.47	94	10003	2.853	ng	Qvalue # 66
49) Dimethylphthalate	9.58	163	38664	7.957	ng	99
74) Fluoranthene	12.57	202	24726	3.934	ng	96
77) Pyrene	12.80	202	23113	3.856	ng	95
80) Benzo(a)anthracene	14.00	228	12196	2.223	ng	# 86
82) Chrysene	14.03	228	14071	2.762	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	12703m	3.392	ng	
89) Benzo(a)pyrene	15.43	252	8526m	2.504	ng	

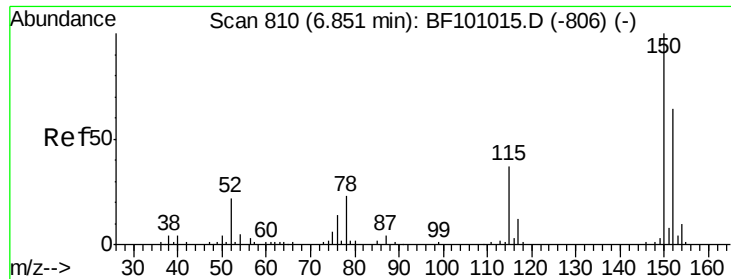
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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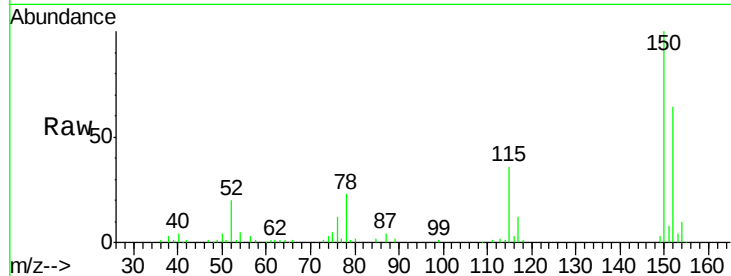


#1

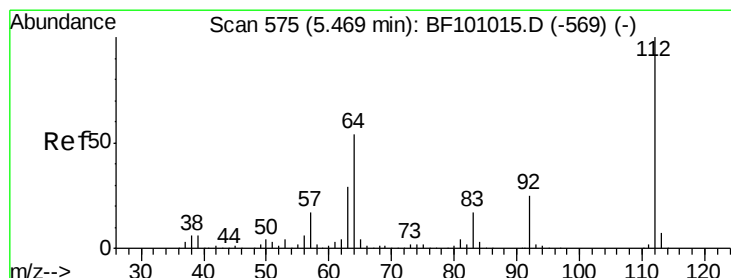
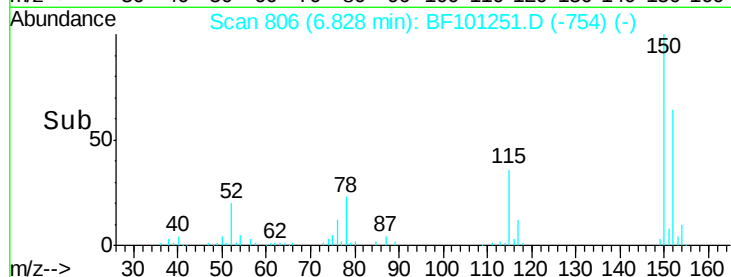
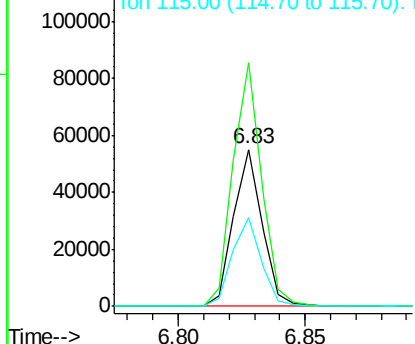
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101251.D
Acq: 8 Dec 2017 22:13

Instrument :
BNA_F
ClientSampleId :
BART-2-E(0-1)RE

Tot Ion:152 Resp: 42923
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 56.6 50.1 75.1



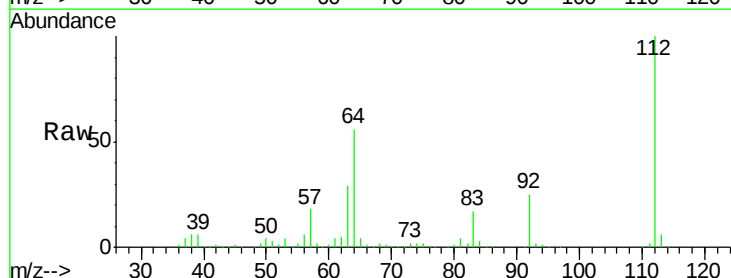
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



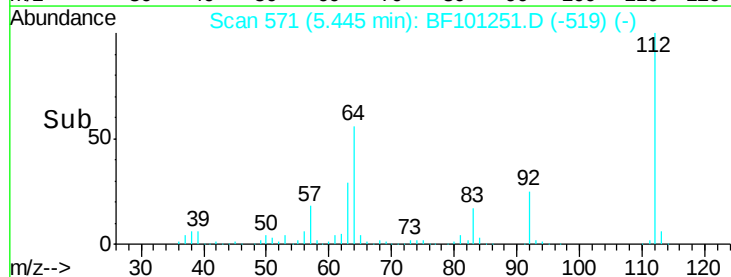
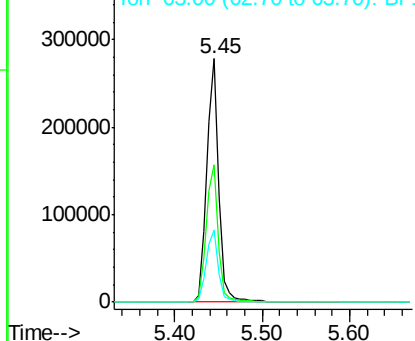
#5

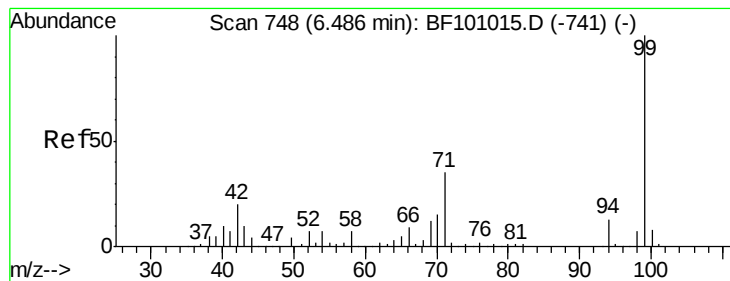
2-Fluorophenol
Concen: 102.217 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101251.D
Acq: 8 Dec 2017 22:13

Tgt Ion:112 Resp: 265514
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 29.4 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: 98.626 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

Instrument :

BNA_F

ClientSampleId :

BART-2-E(0-1)RE

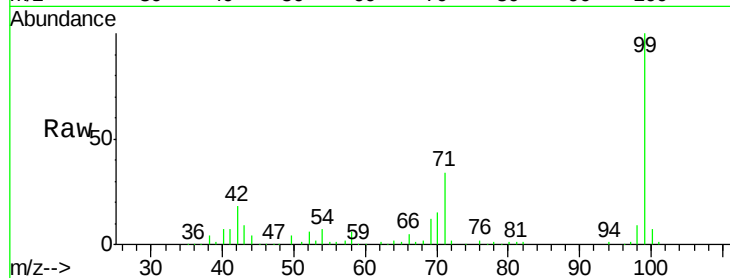
Tot Ion: 99 Resp: 311033

Ion Ratio Lower Upper

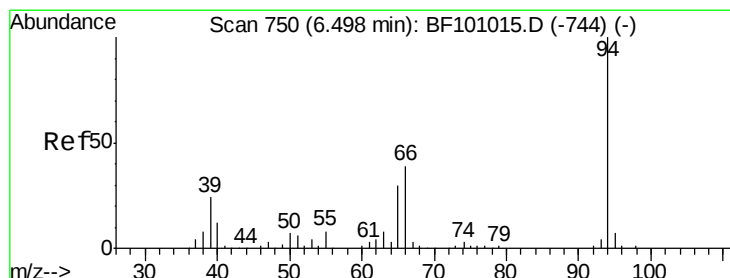
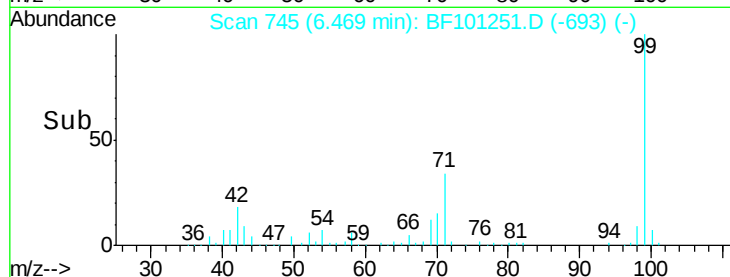
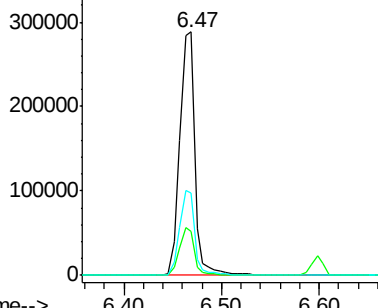
99 100

42 18.0 14.5 21.7

71 33.9 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: 2.853 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

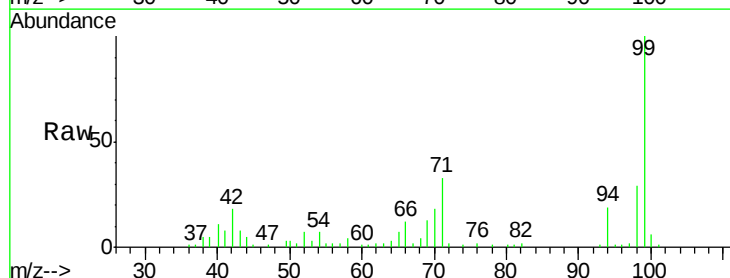
Tgt Ion: 94 Resp: 10003

Ion Ratio Lower Upper

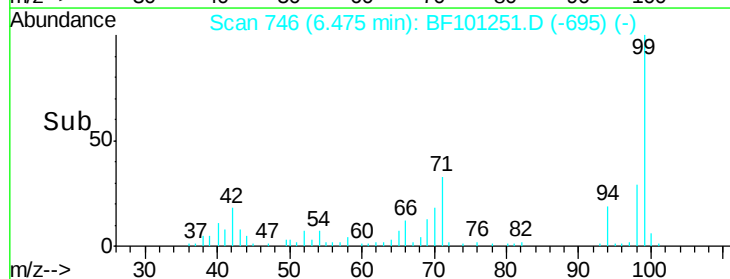
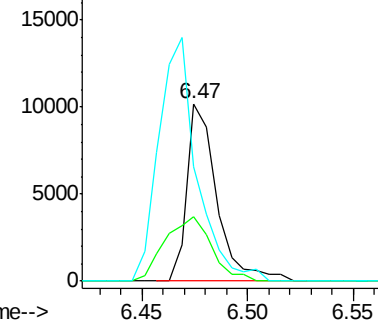
94 100

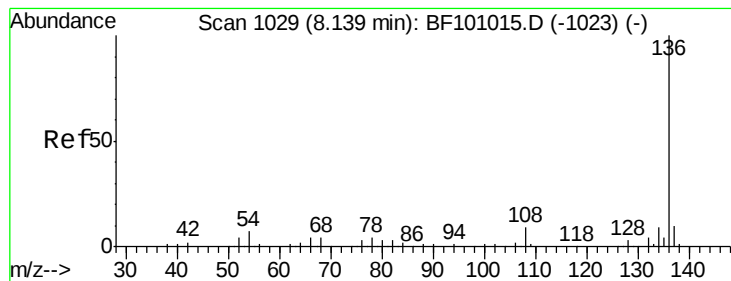
65 36.0 7.9 47.9

66 64.3 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

Instrument :

BNA_F

ClientSampleId :

BART-2-E(0-1)RE

Tot Ion:136 Resp: 154278

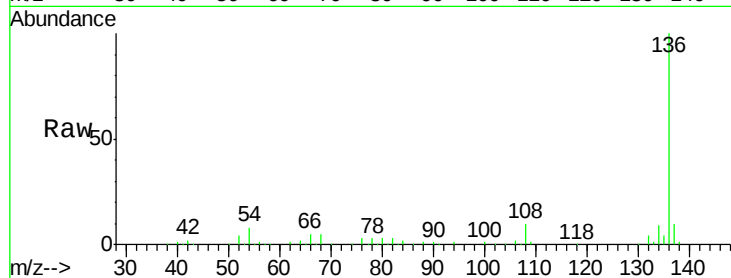
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 7.6 6.6 9.8

68 5.1 5.0 7.4

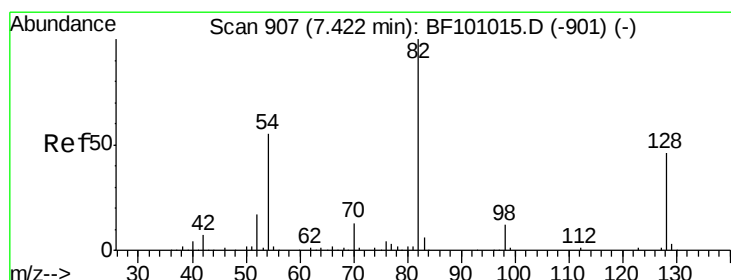
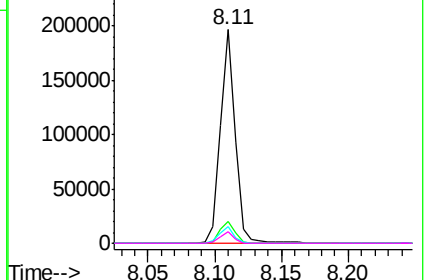
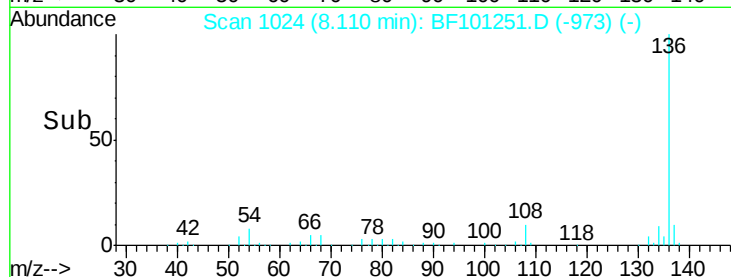


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.905 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

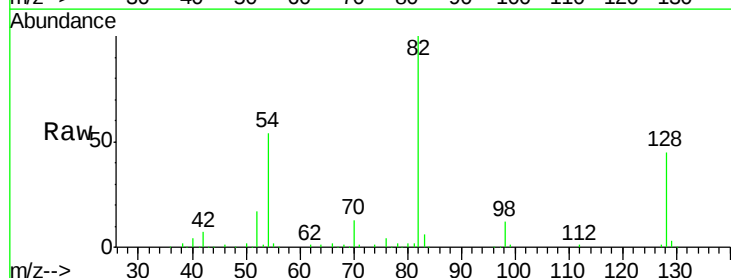
Tgt Ion: 82 Resp: 173034

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

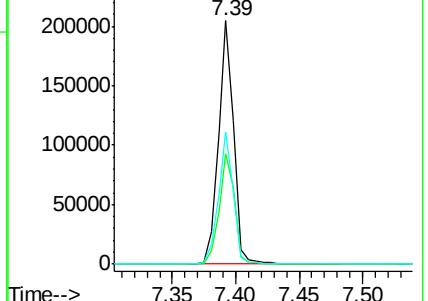
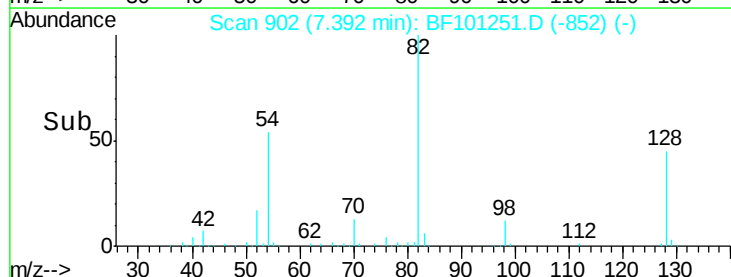
54 54.1 41.4 62.2

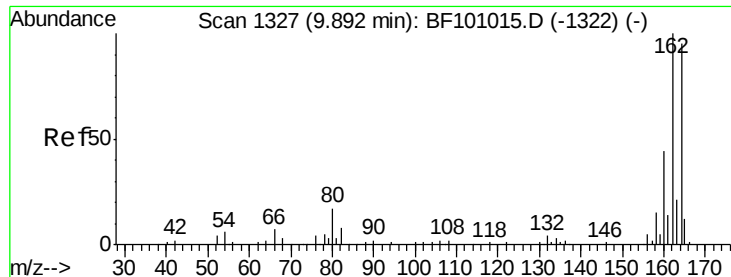


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

Instrument :

BNA_F

ClientSampleId :

BART-2-E(0-1)RE

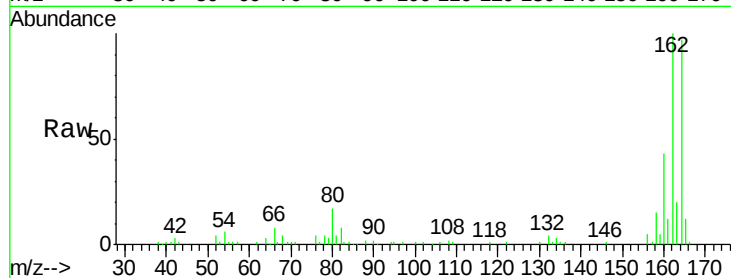
Tot Ion:164 Resp: 60251

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

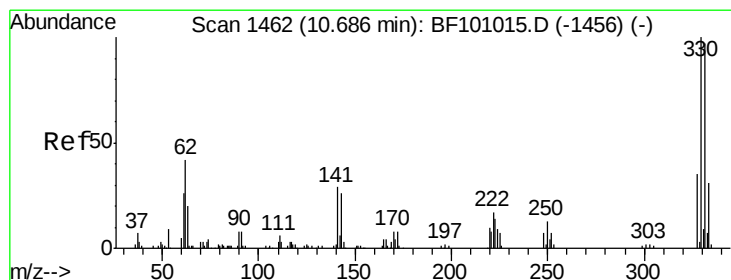
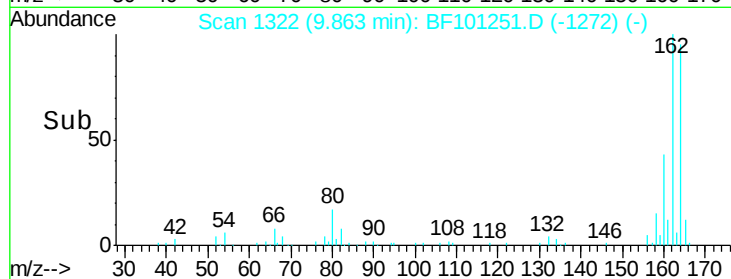
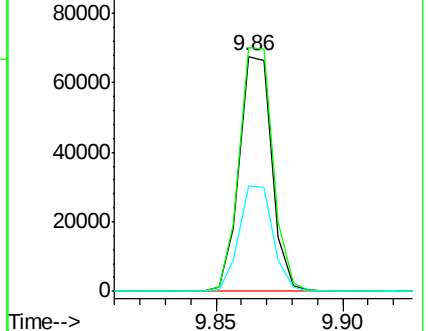
160 44.7 38.3 57.5



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: 85.673 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.00 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

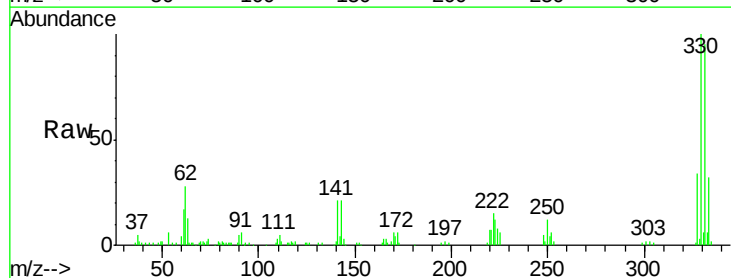
Tgt Ion:330 Resp: 62009

Ion Ratio Lower Upper

330 100

332 93.5 77.0 115.6

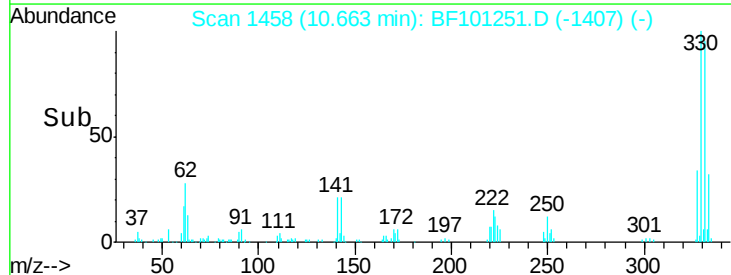
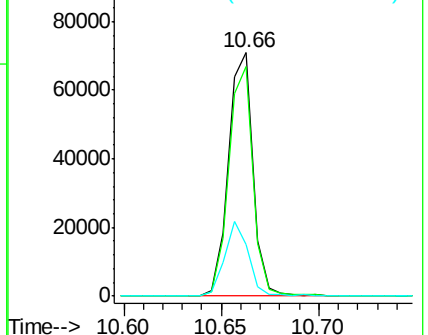
141 29.4 29.9 44.9#

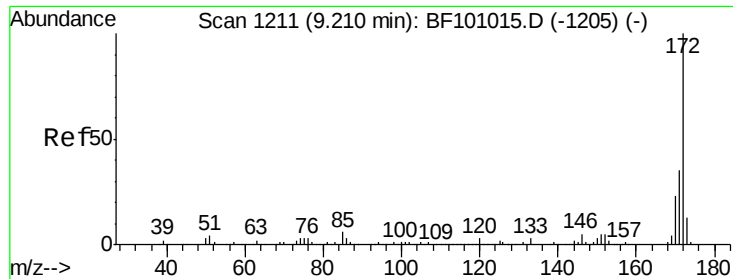


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

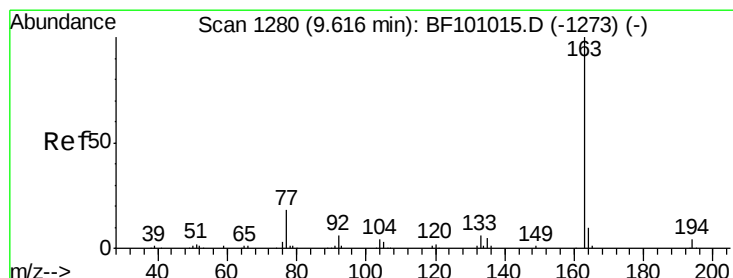
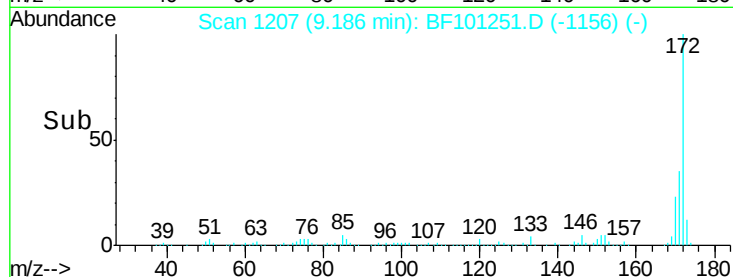
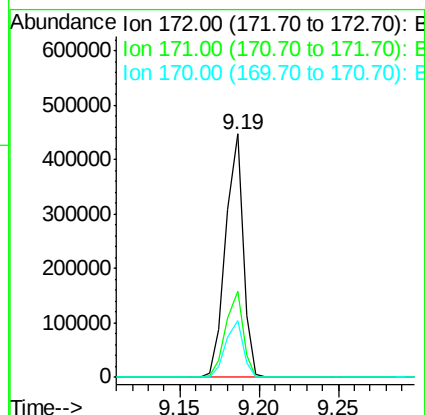
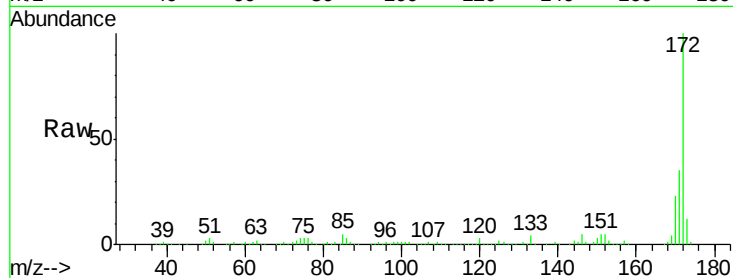




#44
2-Fluorobiphenyl
Concen: 78.259 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BF101251.D
Acq: 8 Dec 2017 22:13

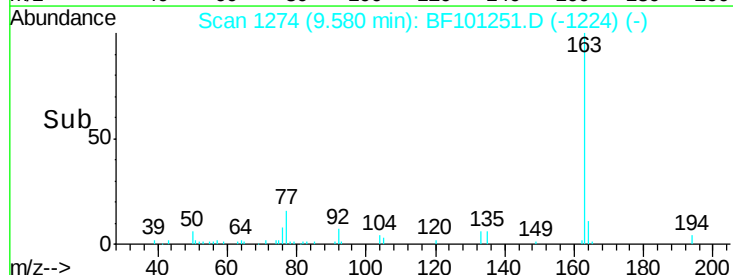
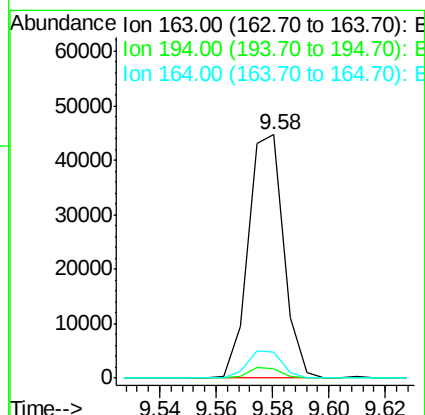
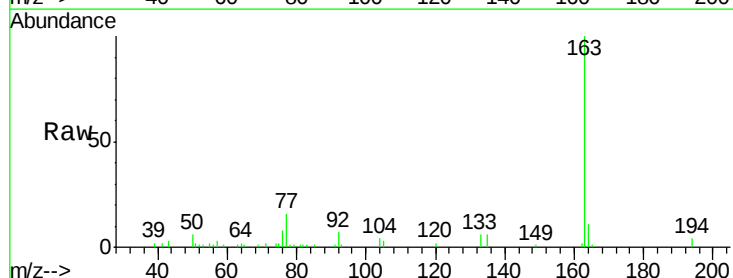
Instrument :
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BART-2-E(0-1)RE

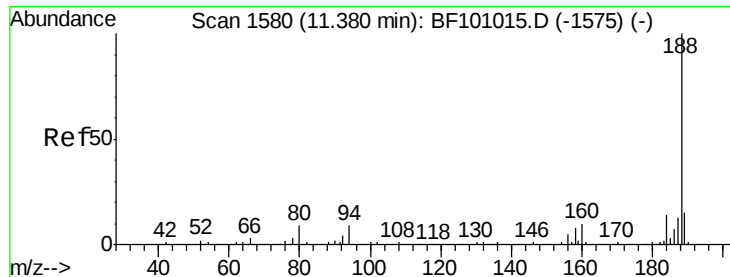
Tot Ion:172 Resp: 344627
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 23.1 19.6 29.4



#49
Dimethylphthalate
Concen: 7.957 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101251.D
Acq: 8 Dec 2017 22:13

Tgt Ion:163 Resp: 38664
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.7 8.2 12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

Instrument :

BNA_F

ClientSampleId :

BART-2-E(0-1)RE

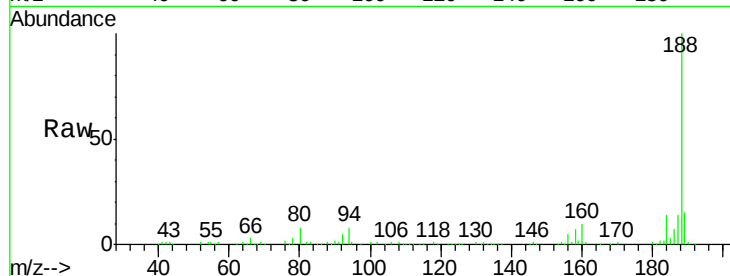
Tot Ion:188 Resp: 102959

Ion Ratio Lower Upper

188 100

94 7.6 8.5 12.7#

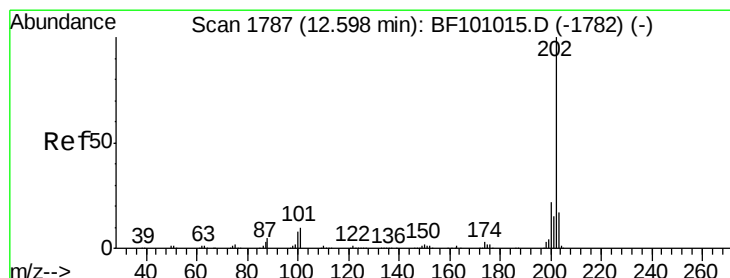
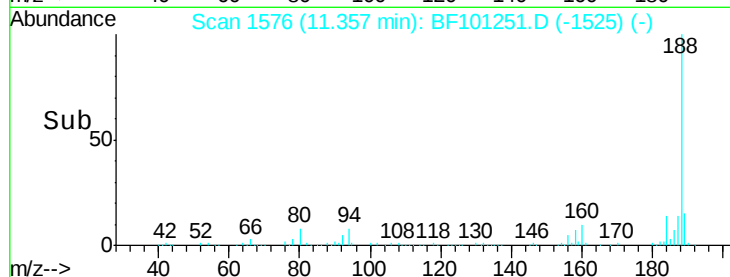
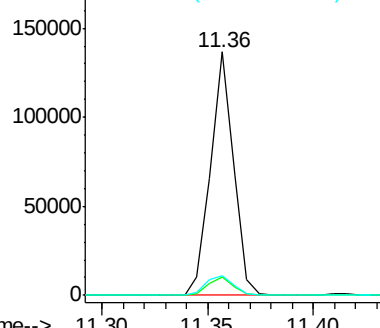
80 7.9 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#74

Fluoranthene

Concen: 3.934 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

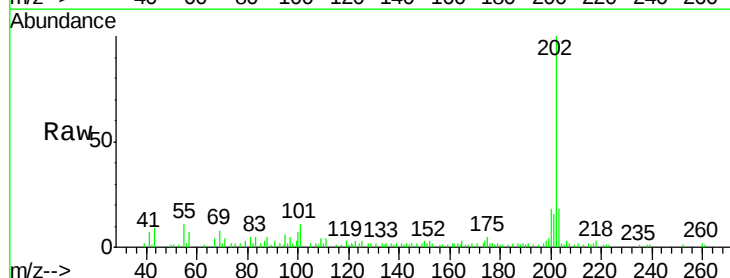
Tgt Ion:202 Resp: 24726

Ion Ratio Lower Upper

202 100

101 11.1 0.0 34.1

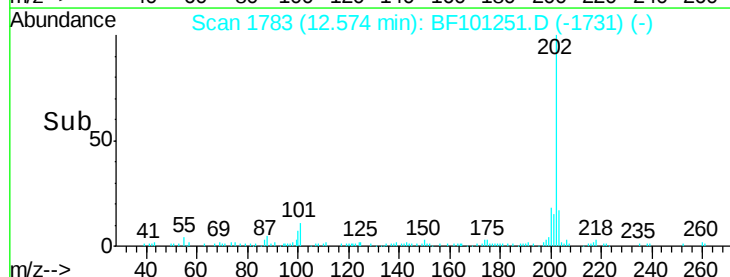
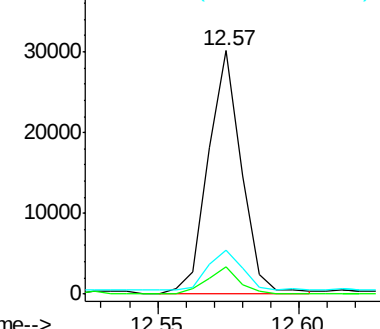
203 17.8 0.0 38.1

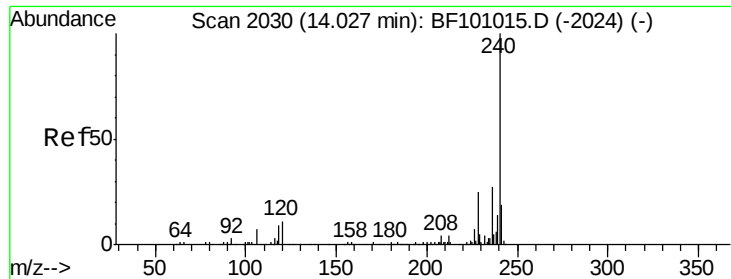


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

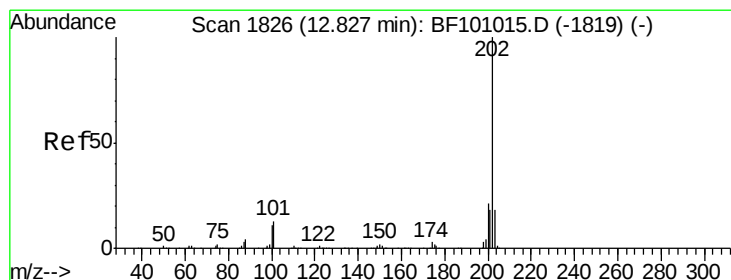
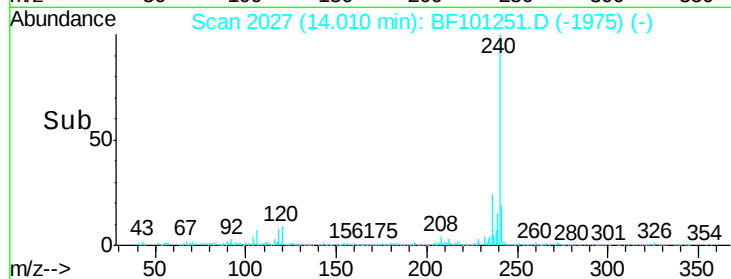
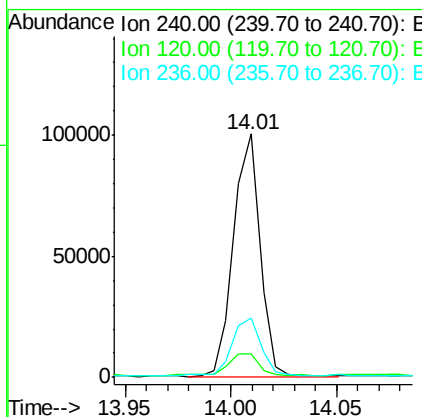
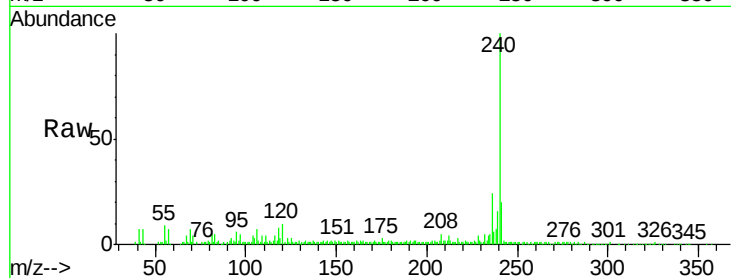




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF101251.D
Acq: 8 Dec 2017 22:13

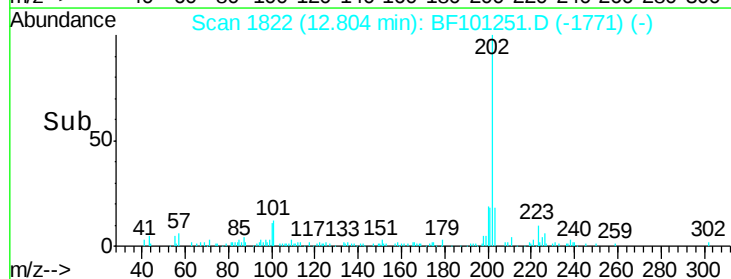
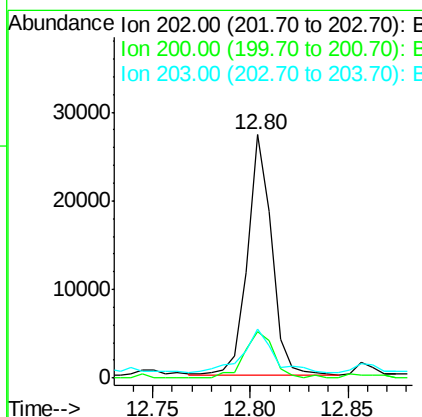
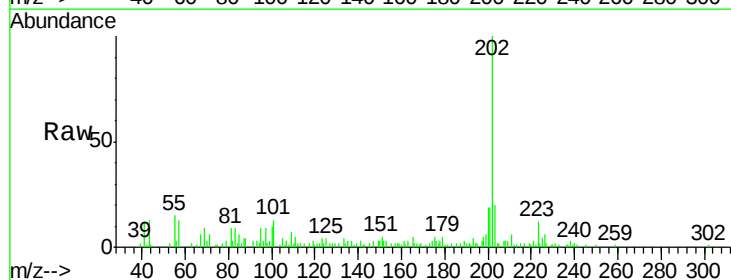
Instrument :
BNA_F
ClientSampleId :
BART-2-E(0-1)RE

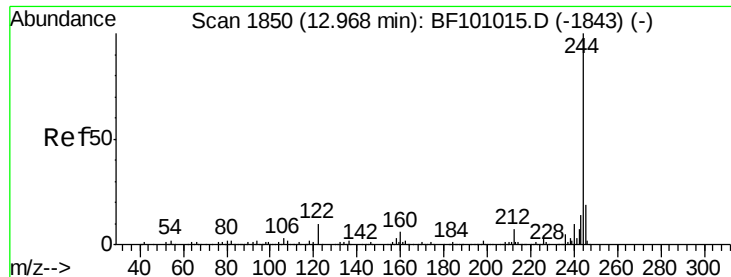
Tot Ion:240 Resp: 86874
Ion Ratio Lower Upper
240 100
120 9.7 9.5 14.3
236 24.2 20.7 31.1



#77
Pyrene
Concen: 3.856 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BF101251.D
Acq: 8 Dec 2017 22:13

Tgt Ion:202 Resp: 23113
Ion Ratio Lower Upper
202 100
200 19.0 17.4 26.2
203 19.9 14.3 21.5





#78

Terphenyl-d14

Concen: 73.831 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.01 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

Instrument :

BNA_F

ClientSampleId :

BART-2-E(0-1)RE

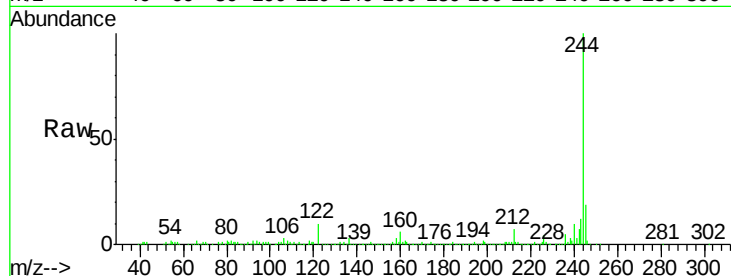
Tot Ion:244 Resp: 293244

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

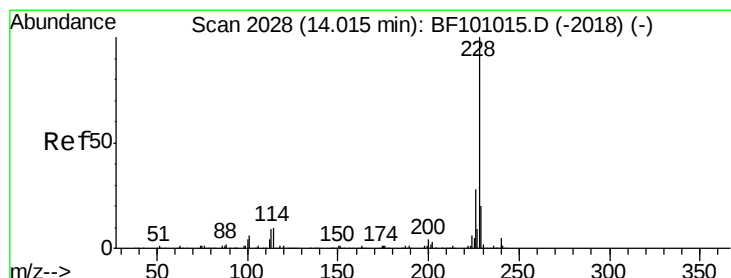
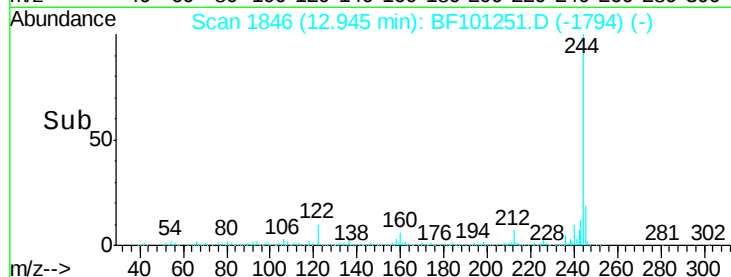
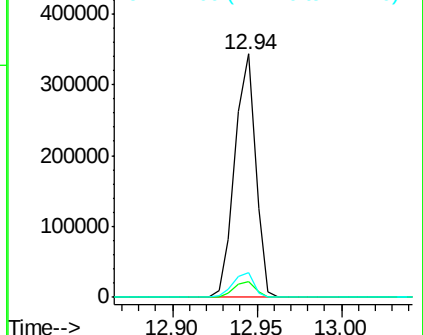
122 10.2 11.0 16.4#



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: 2.223 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

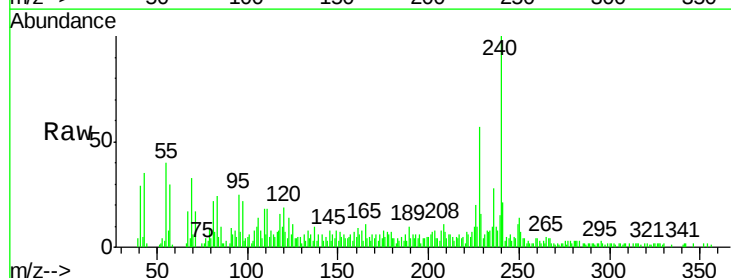
Tgt Ion:228 Resp: 12196

Ion Ratio Lower Upper

228 100

226 34.8 22.6 33.8#

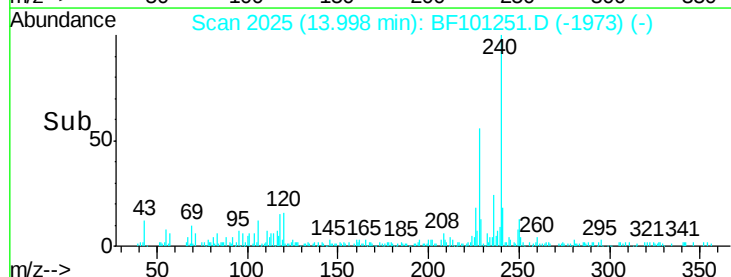
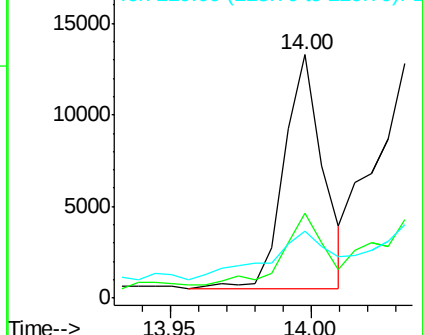
229 27.4 15.8 23.6#

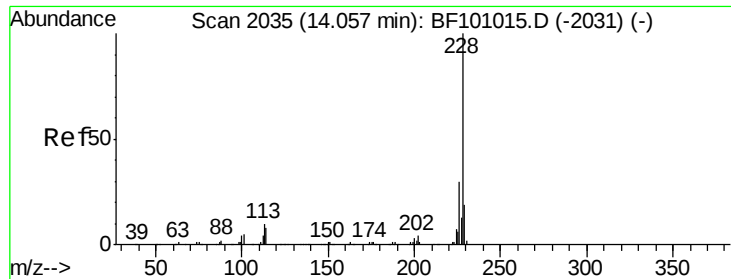


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.762 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

Instrument :

BNA_F

ClientSampleId :

BART-2-E(0-1)RE

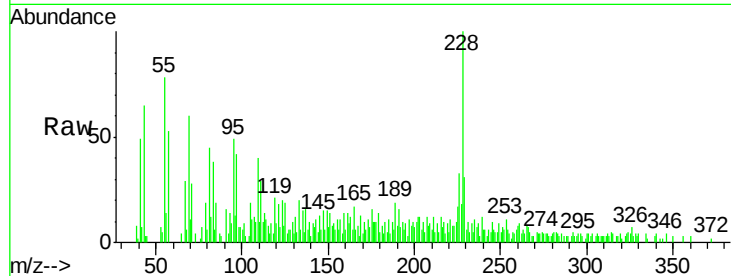
Tot Ion:228 Resp: 14071

Ion Ratio Lower Upper

228 100

226 33.4 25.0 37.6

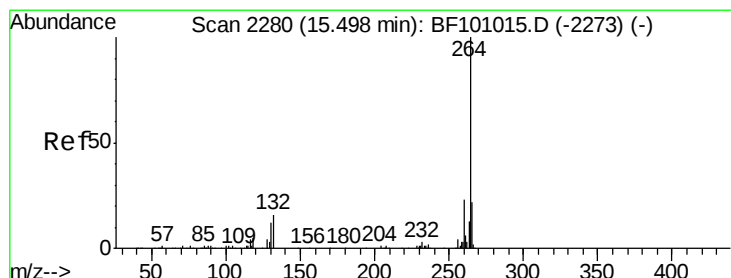
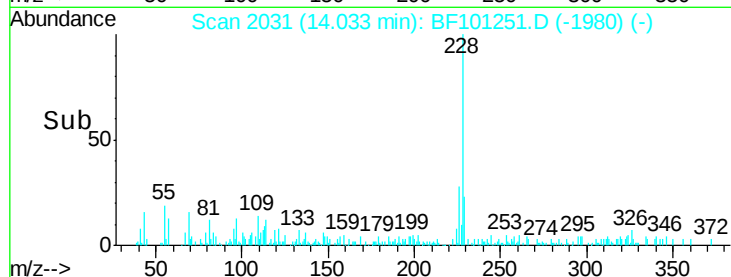
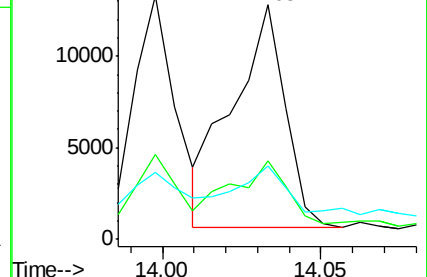
229 31.0 16.2 24.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.02 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

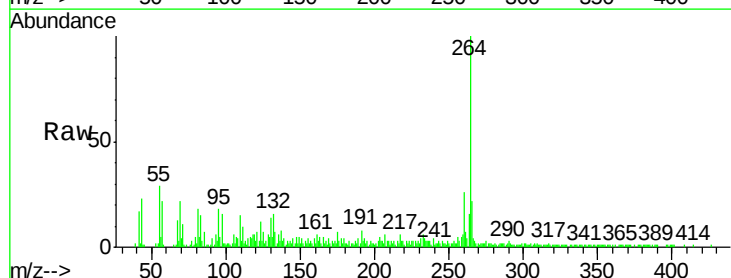
Tgt Ion:264 Resp: 62520

Ion Ratio Lower Upper

264 100

260 26.1 19.2 28.8

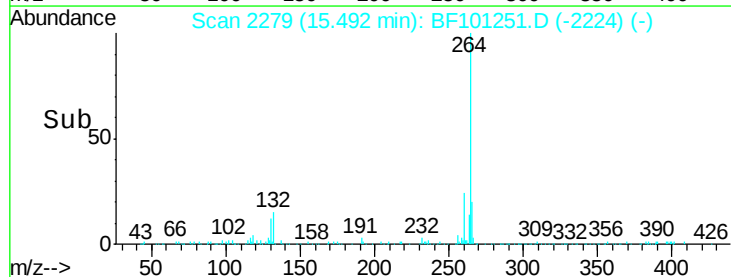
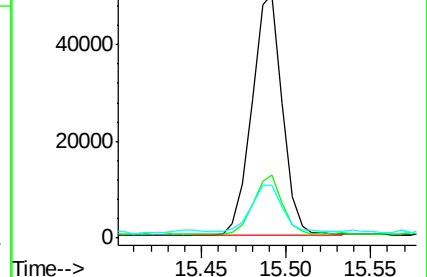
265 21.9 17.5 26.3

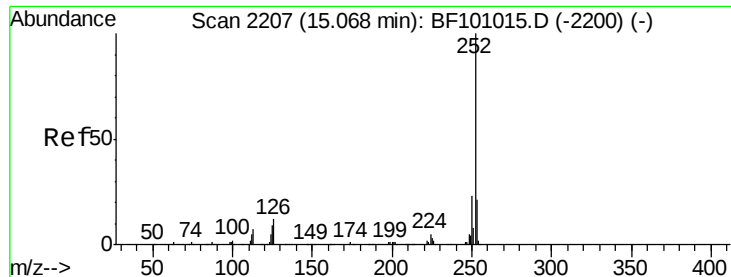


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.392 ng m

RT: 15.06 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

Instrument :

BNA_F

ClientSampleId :

BART-2-E(0-1)RE

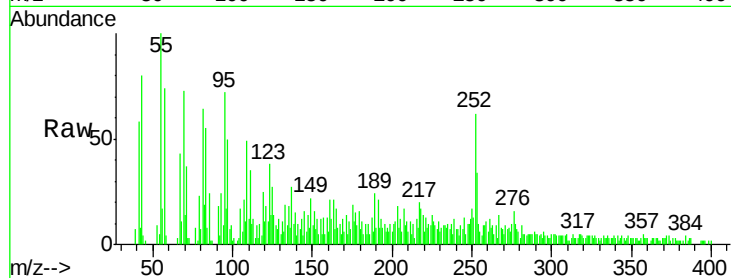
Tot Ion:252 Resp: 12703

Ion Ratio Lower Upper

252 100

253 54.6 17.0 25.6#

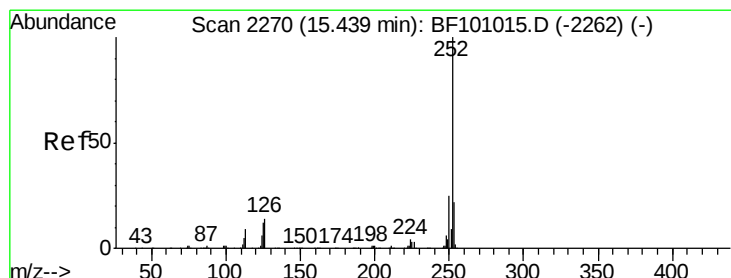
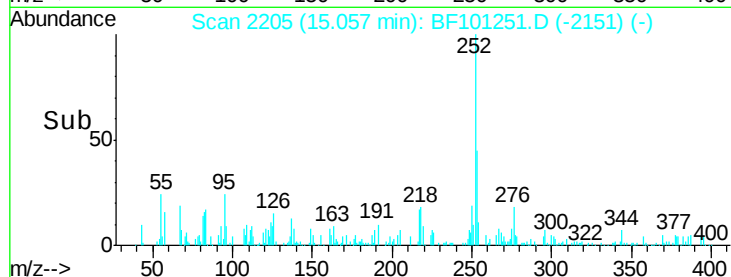
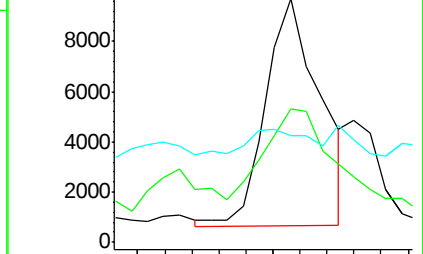
125 43.9 9.0 13.6#



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



#89

Benzo(a)pyrene

Concen: 2.504 ng m

RT: 15.43 min Scan# 2268

Delta R.T. 0.02 min

Lab File: BF101251.D

Acq: 8 Dec 2017 22:13

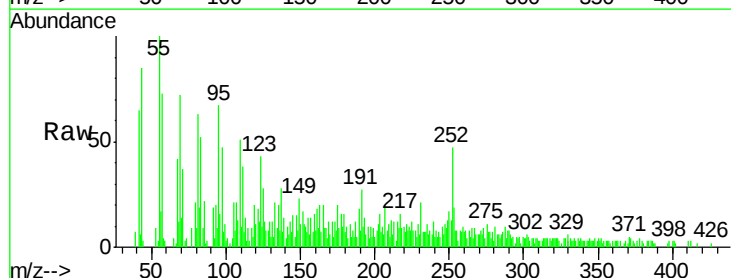
Tgt Ion:252 Resp: 8526

Ion Ratio Lower Upper

252 100

253 39.9 17.1 25.7#

125 60.3 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

