

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101191.D
 Acq On : 7 Dec 2017 2:45
 Operator : SJ/JU
 Sample : I6656-04 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BART-3-E(0-1)

Quant Time: Dec 07 04:31:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

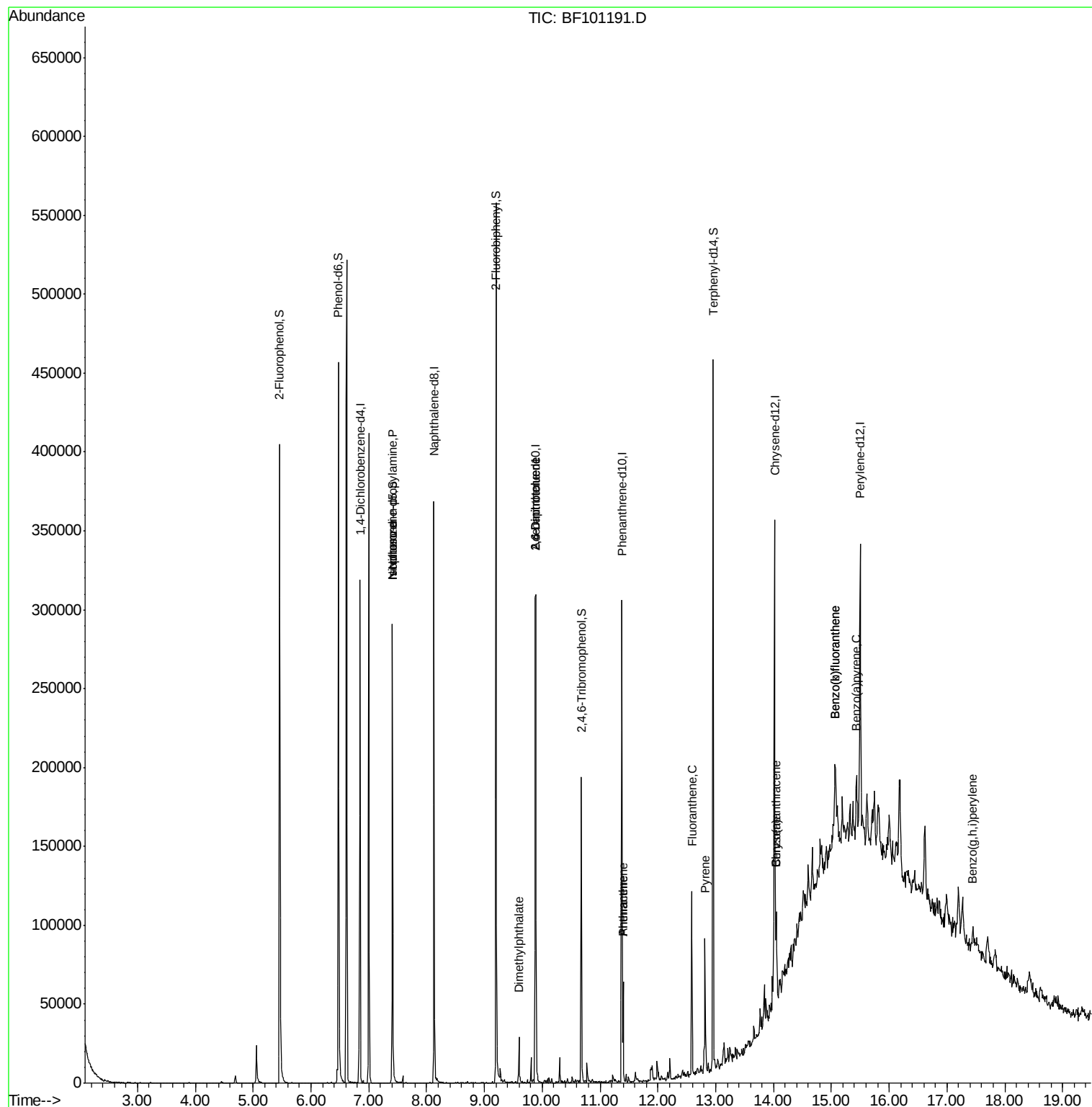
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	44883	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	162563	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	67714	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	107974	20.00	ng	0.00
75) Chrysene-d12	14.02	240	106039	20.00	ng	0.00
86) Perylene-d12	15.50	264	85757	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	119116	43.85	ng	0.00
7) Phenol-d6	6.47	99	144489	43.82	ng	0.00
23) Nitrobenzene-d5	7.41	82	87832	32.23	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	24671	30.33	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	192168	38.83	ng	-0.01
78) Terphenyl-d14	12.96	244	151151	31.18	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	11381	5.125	ng	Qvalue # 80
25) Isophorone	7.41	82	87830	18.869	ng	# 64
49) Dimethylphthalate	9.60	163	14807	2.711	ng	# 98
50) 2,6-Dinitrotoluene	9.88	165	8046	6.995	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	8046	5.220	ng	# 21
70) Phenanthrene	11.40	178	24304	4.087	ng	99
71) Anthracene	11.40	178	24304	4.039	ng	100
74) Fluoranthene	12.59	202	46293	7.024	ng	94
77) Pyrene	12.82	202	36950	5.050	ng	96
80) Benzo(a)anthracene	14.04	228	22827	3.409	ng	94
82) Chrysene	14.04	228	22827	3.671	ng	98
87) Benzo(b)fluoranthene	15.06	252	33011	6.427	ng	# 78
88) Benzo(k)fluoranthene	15.06	252	33011	6.523	ng	# 81
89) Benzo(a)pyrene	15.44	252	13277	2.843	ng	# 91
91) Benzo(a,h,i)perylene	17.44	276	8703	2.243	ng	# 89

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

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101191.D
Acq On : 7 Dec 2017 2:45
Operator : SJ/JU
Sample : I6656-04 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

Quant Time: Dec 07 04:31:58 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:07:49 2017
Response via : Initial Calibration



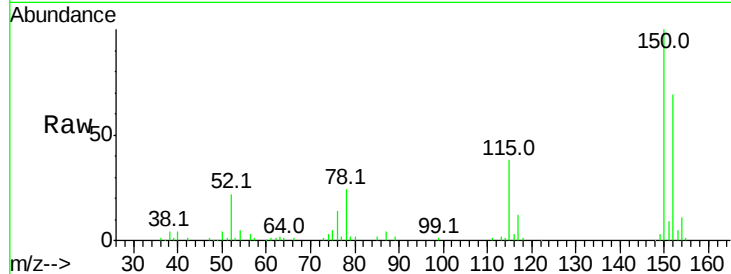


#1

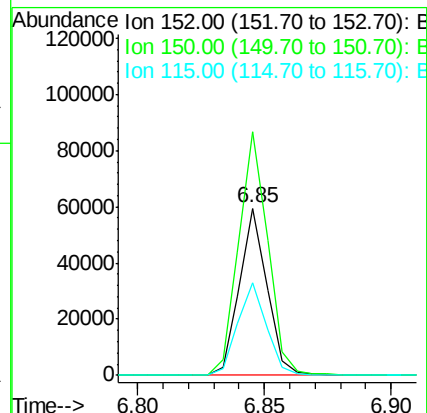
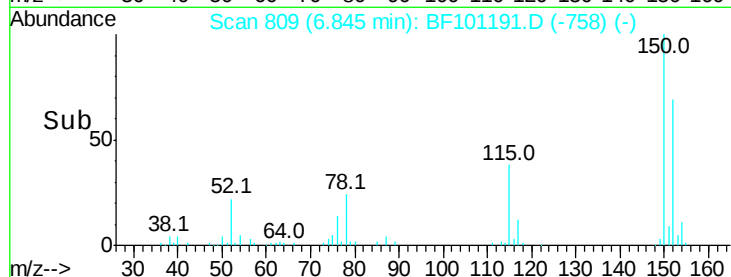
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

Tot Ion:152 Resp: 44883
Ion Ratio Lower Upper
152 100
150 145.9 124.6 186.8
115 55.6 50.1 75.1



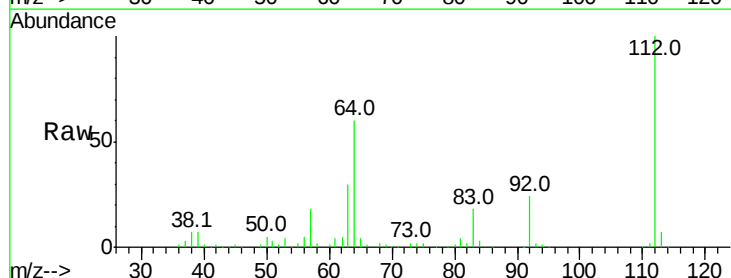
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



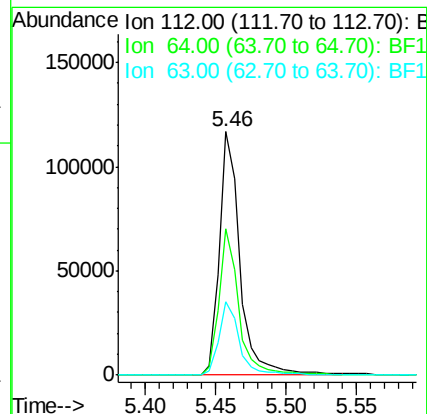
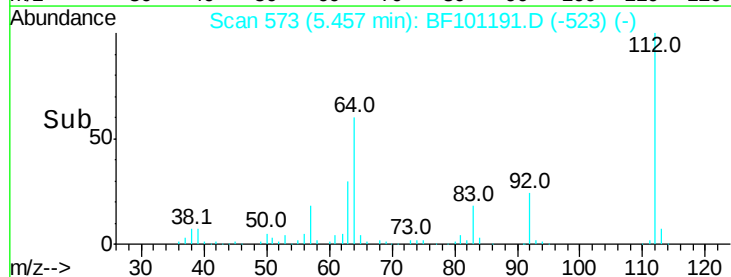
#5

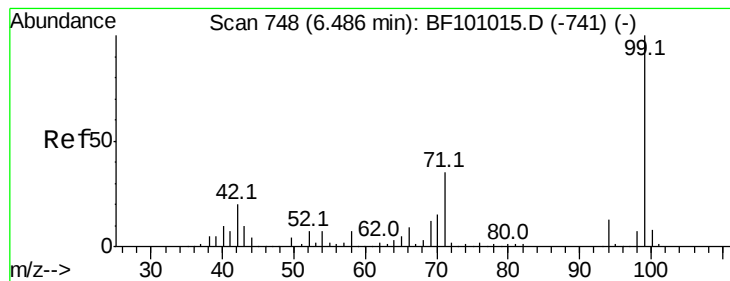
2-Fluorophenol
Concen: 43.855 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Tgt Ion:112 Resp: 119116
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 30.2 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: 43.815 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

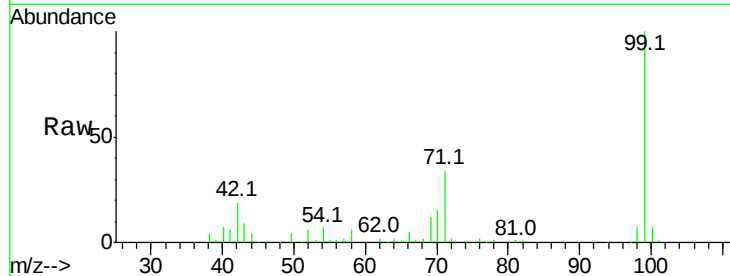
Tot Ion: 99 Resp: 144489

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

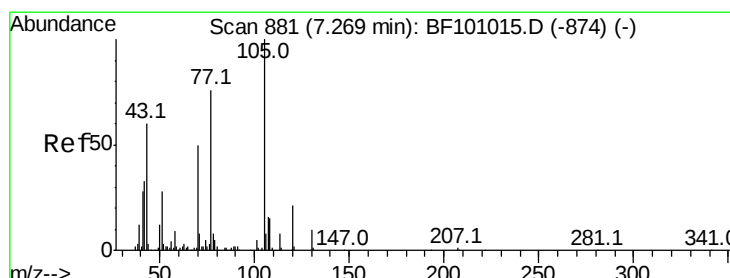
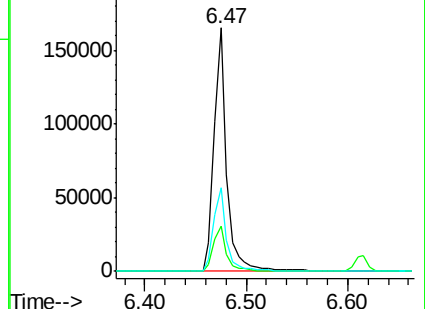
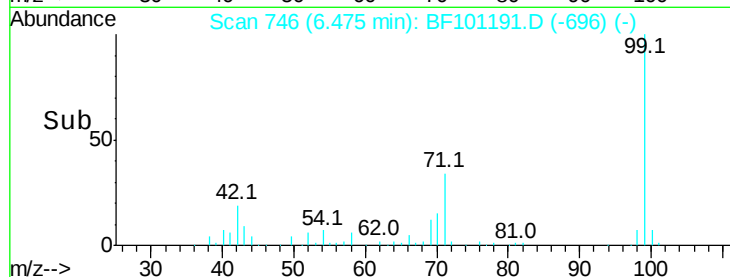
71 34.2 25.4 38.0



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: 5.125 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

Tgt Ion: 70 Resp: 11381

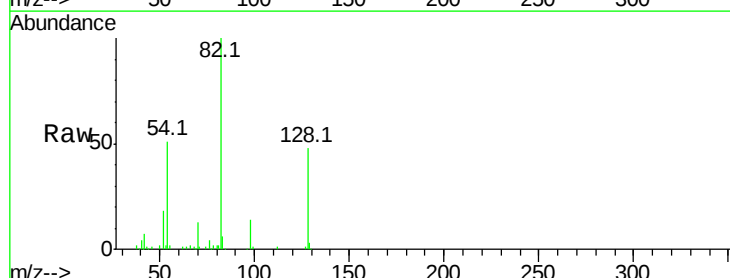
Ion Ratio Lower Upper

70 100

42 50.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.9 16.6 25.0#

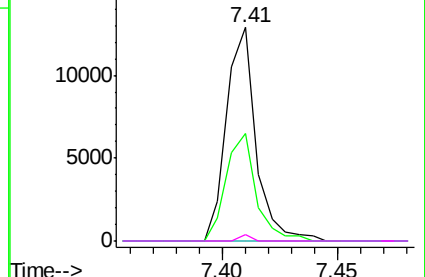
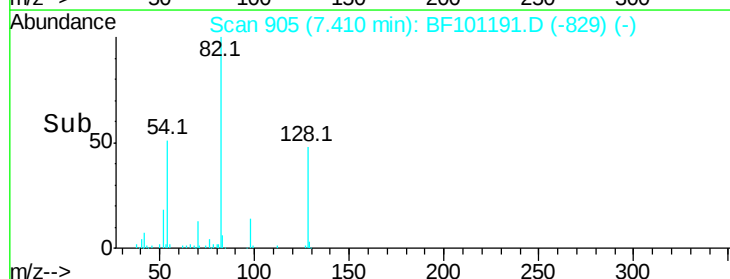


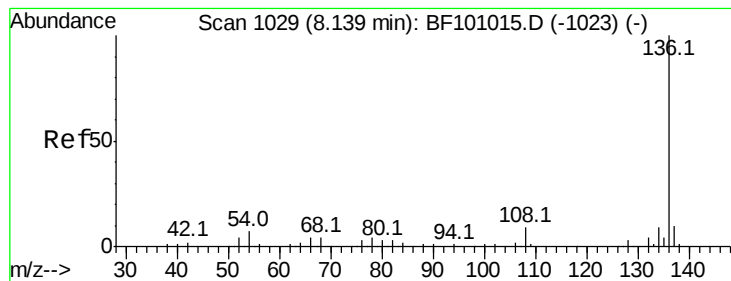
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

Tot Ion:136 Resp: 162563

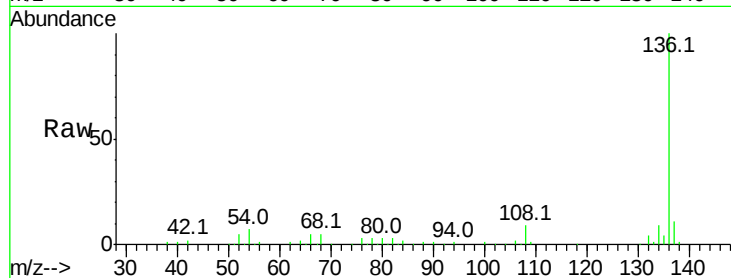
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.5 6.6 9.8

68 4.7 5.0 7.4#

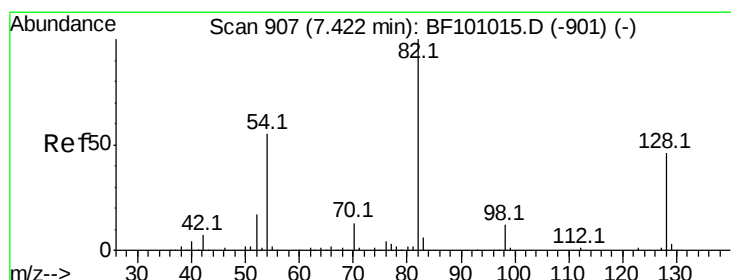
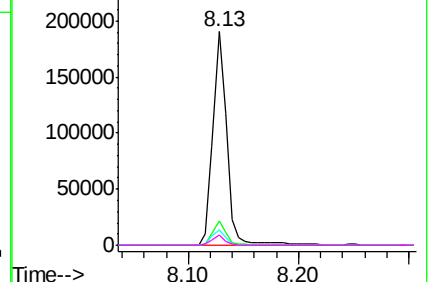
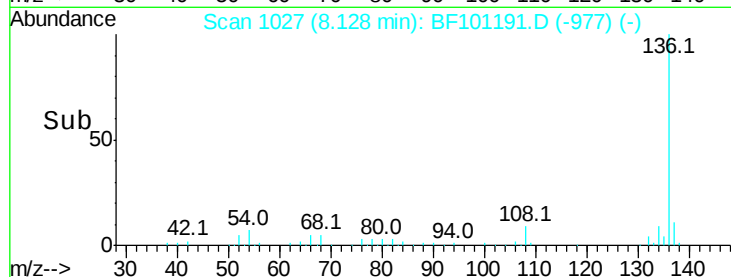


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.230 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

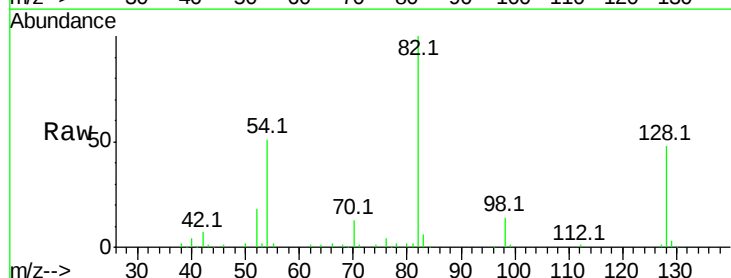
Tgt Ion: 82 Resp: 87832

Ion Ratio Lower Upper

82 100

128 48.5 36.1 54.1

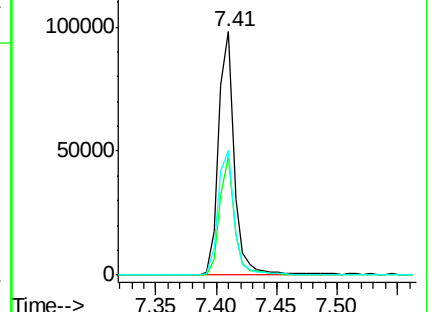
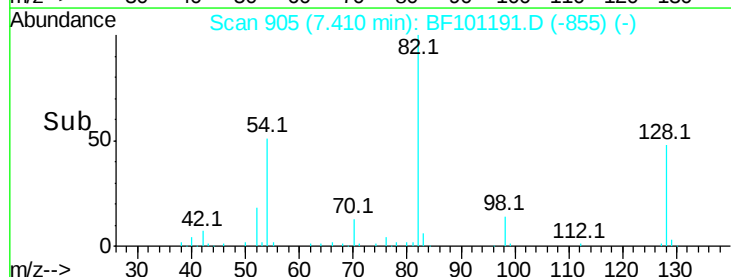
54 51.1 41.4 62.2

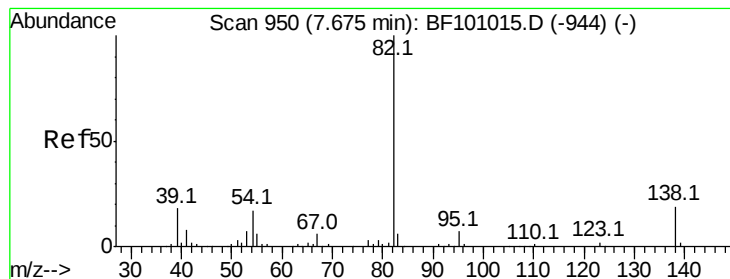


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.869 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

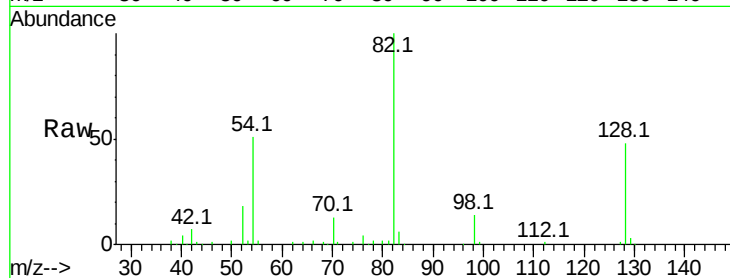
Tot Ion: 82 Resp: 87830

Ion Ratio Lower Upper

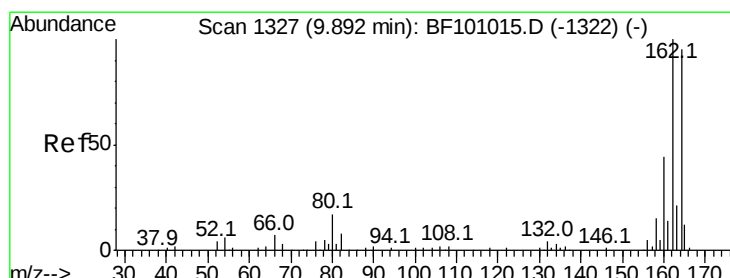
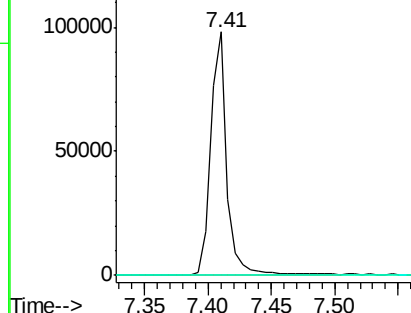
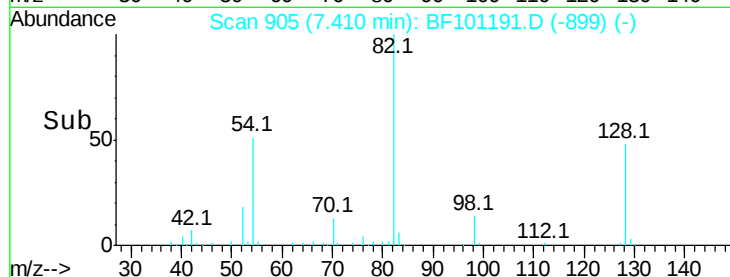
82 100

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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

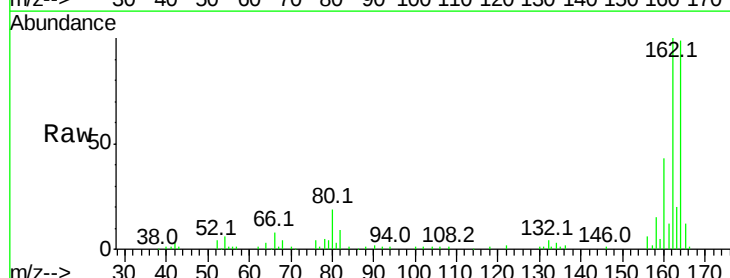
Tgt Ion: 164 Resp: 67714

Ion Ratio Lower Upper

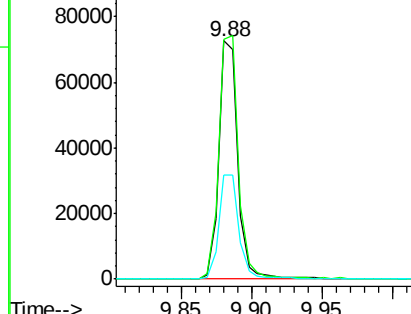
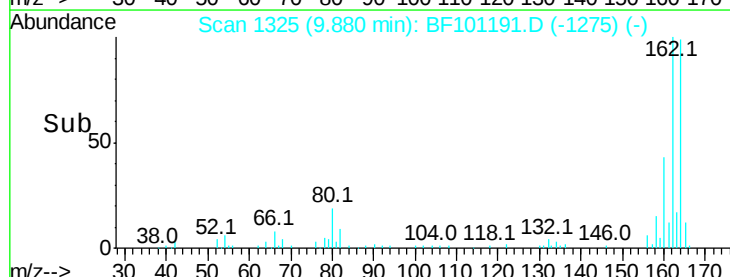
164 100

162 101.0 86.1 129.1

160 43.6 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

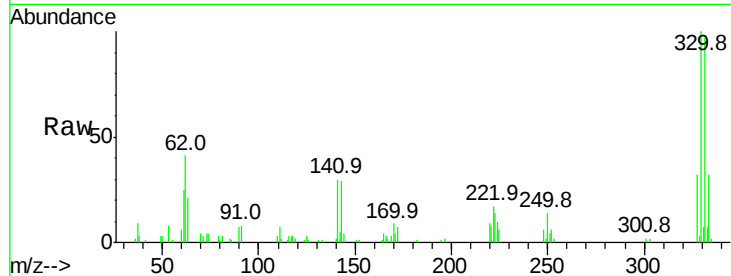




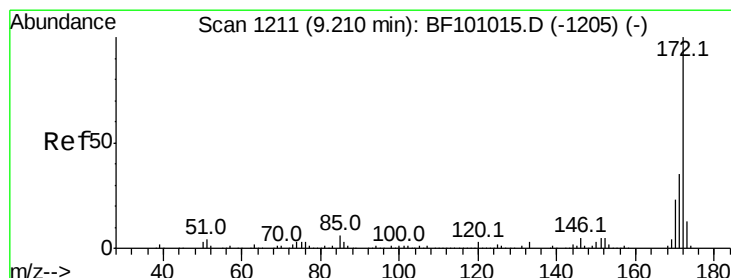
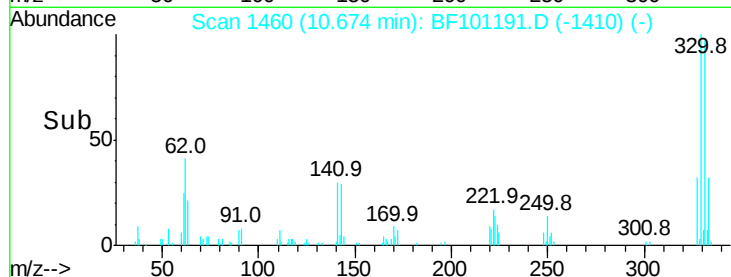
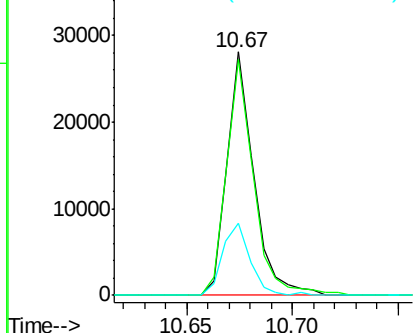
#41
 2,4,6-Tribromophenol
 Concen: 30.329 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101191.D
 Acq: 7 Dec 2017 2:45

Instrument :
 BNA_F
 ClientSampleId :
 BART-3-E(0-1)

Tot Ion:330 Resp: 24671
 Ion Ratio Lower Upper
 330 100
 332 98.2 77.0 115.6
 141 30.6 29.9 44.9

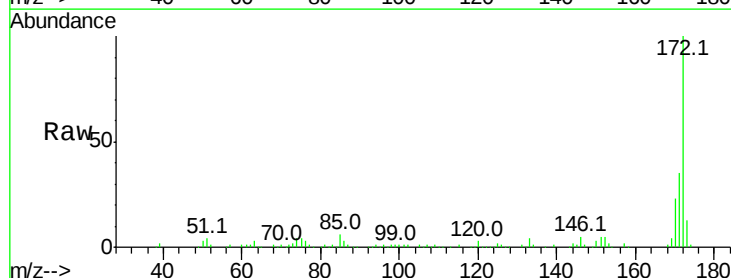


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

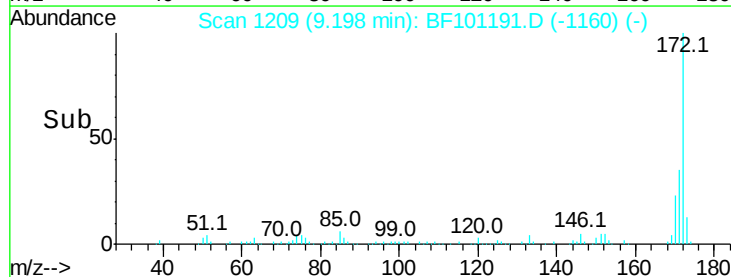
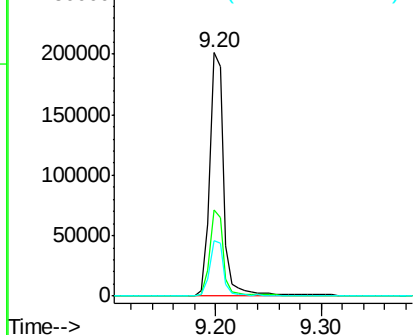


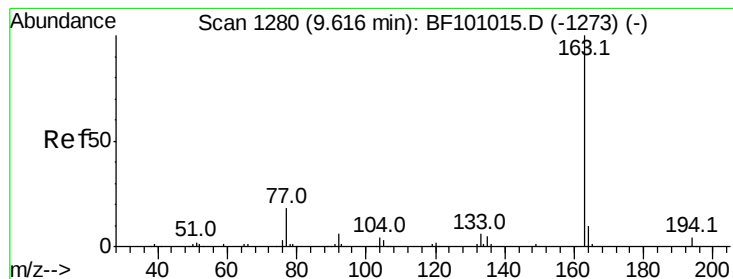
#44
 2-Fluorobiphenyl
 Concen: 38.829 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101191.D
 Acq: 7 Dec 2017 2:45

Tgt Ion:172 Resp: 192168
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 22.8 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: 2.711 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

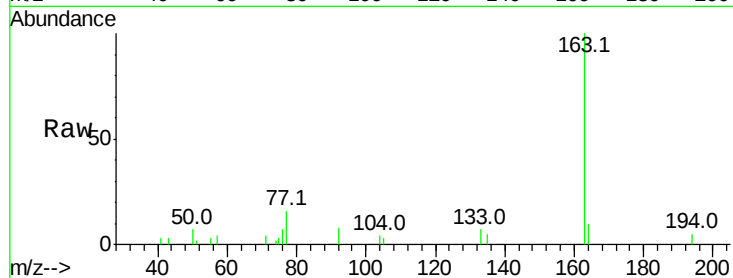
Tot Ion:163 Resp: 14807

Ion Ratio Lower Upper

163 100

194 4.6 2.7 4.1#

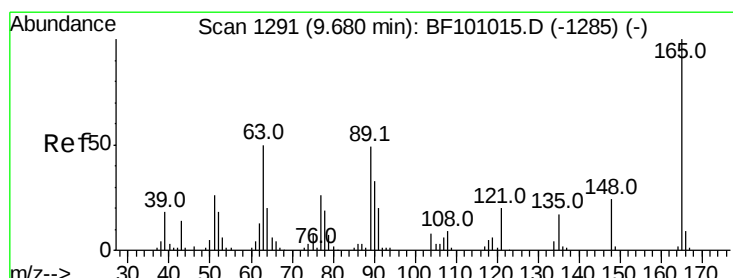
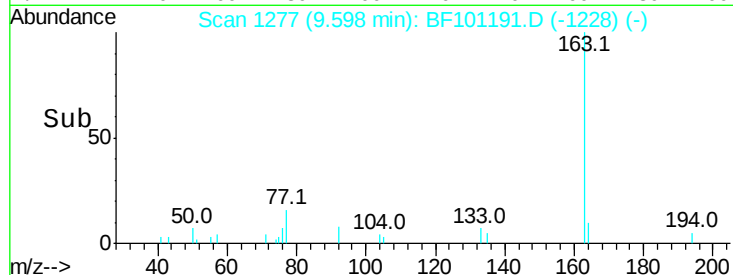
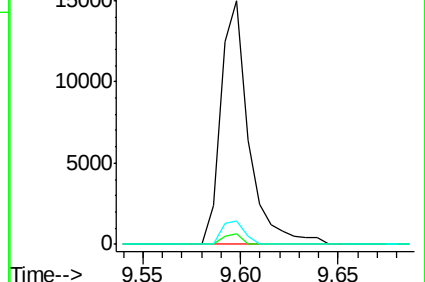
164 9.8 8.2 12.2



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: 6.995 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

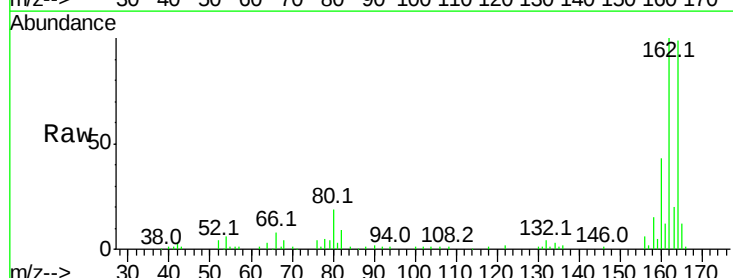
Tgt Ion:165 Resp: 8046

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

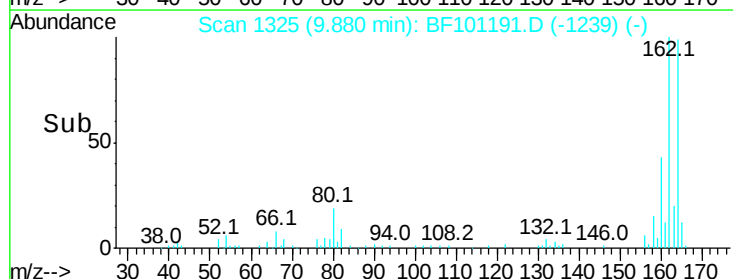
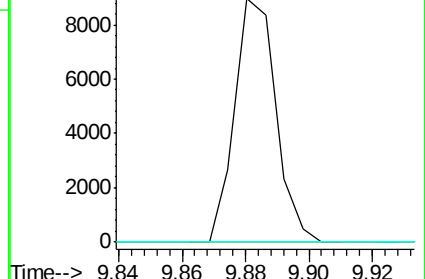
89 0.0 44.0 66.0#

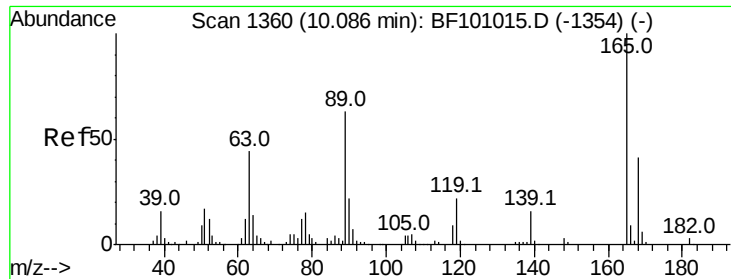


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

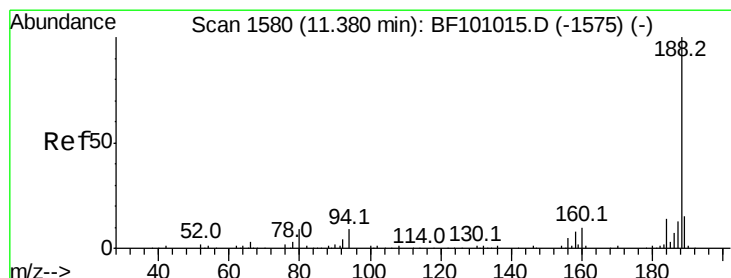
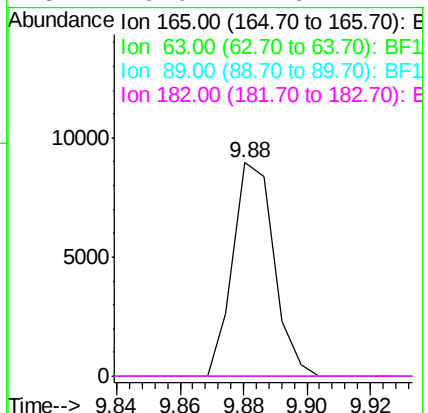
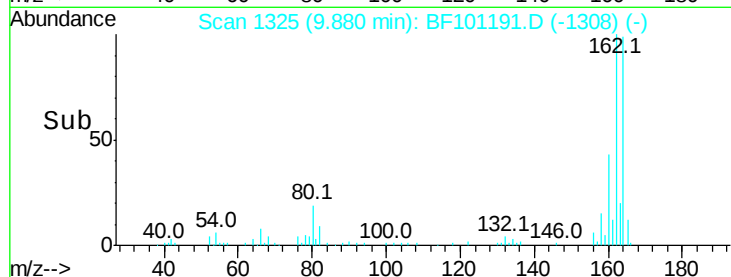
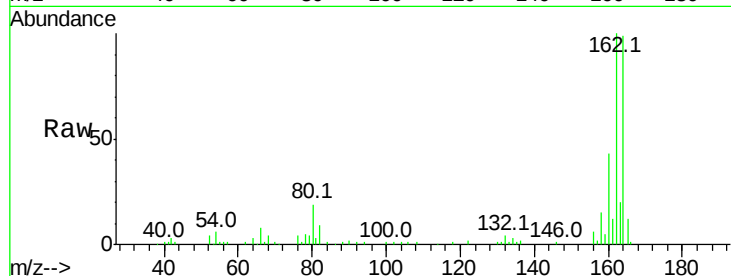




#56
 2,4-Dinitrotoluene
 Concen: 5.220 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101191.D
 Acq: 7 Dec 2017 2:45

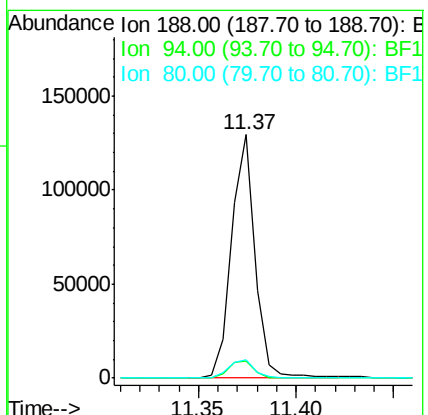
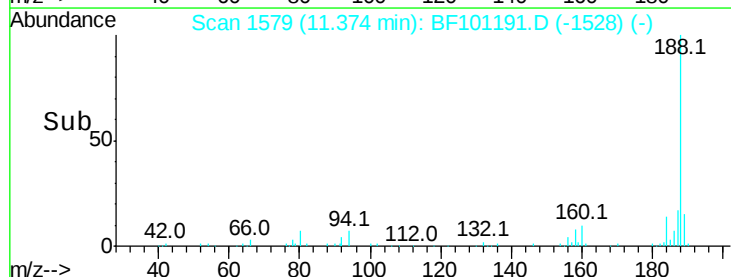
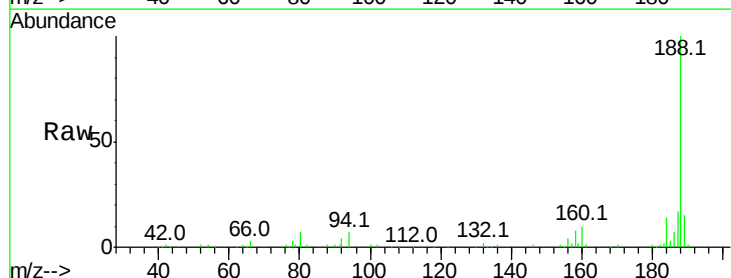
Instrument :
 BNA_F
 ClientSampleId :
 BART-3-E(0-1)

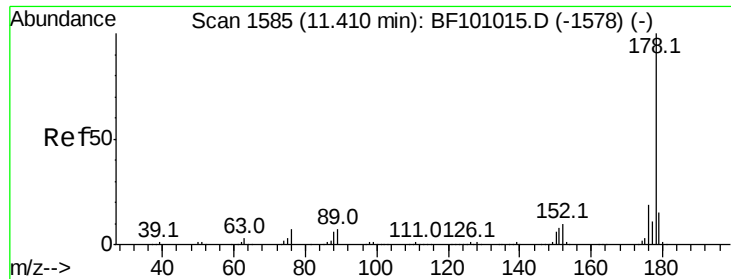
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101191.D
 Acq: 7 Dec 2017 2:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.5	12.7#
80	7.4	9.2	13.8#

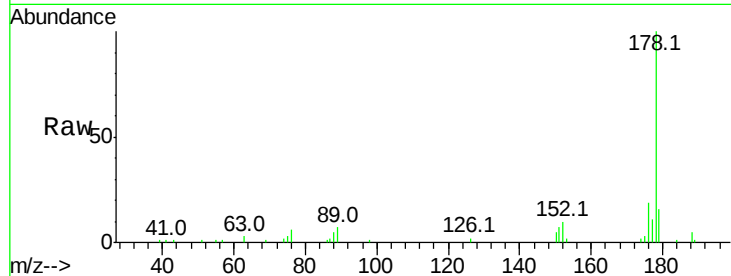




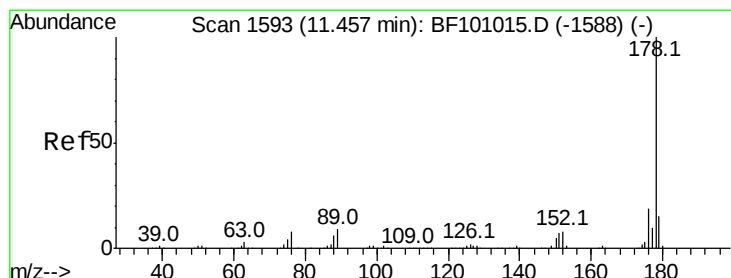
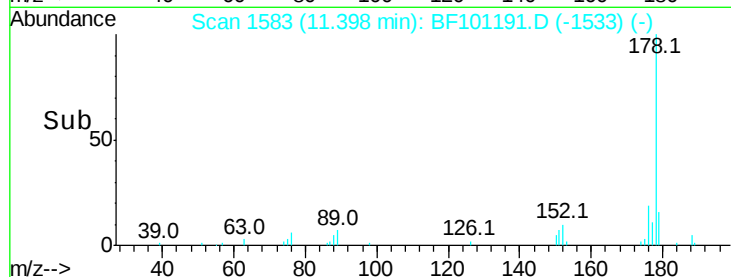
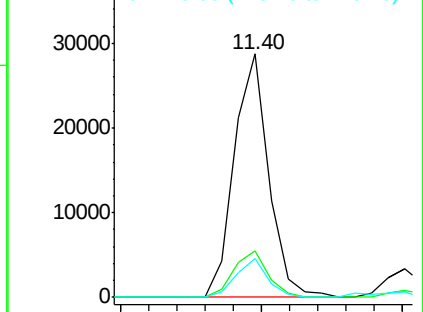
#70
Phenanthrene
Concen: 4.087 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

Tot Ion:178 Resp: 24304
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.9 13.0 19.6

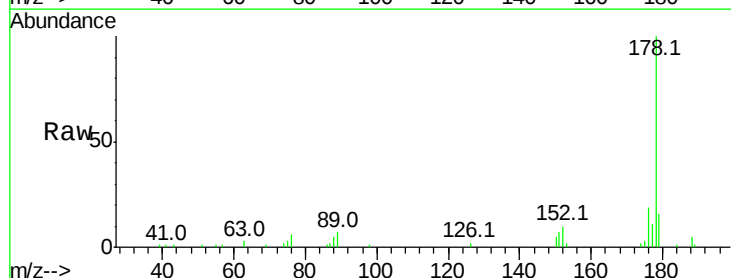


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

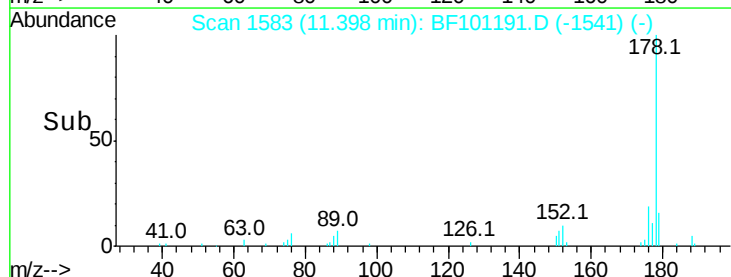
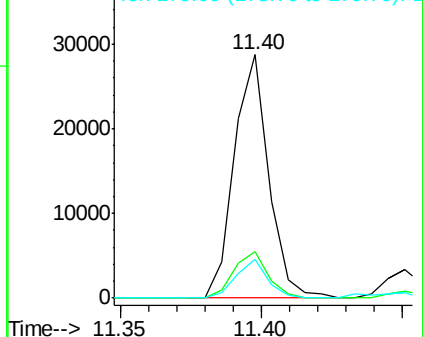


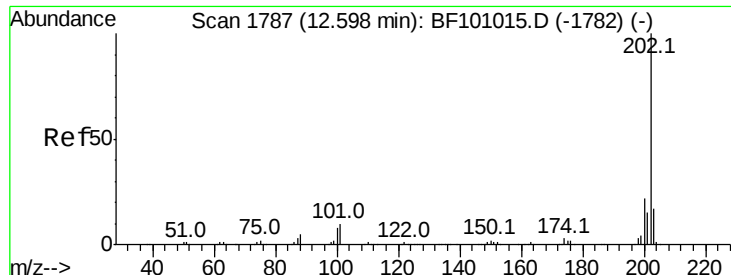
#71
Anthracene
Concen: 4.039 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.05 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Tgt Ion:178 Resp: 24304
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.9 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: 7.024 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

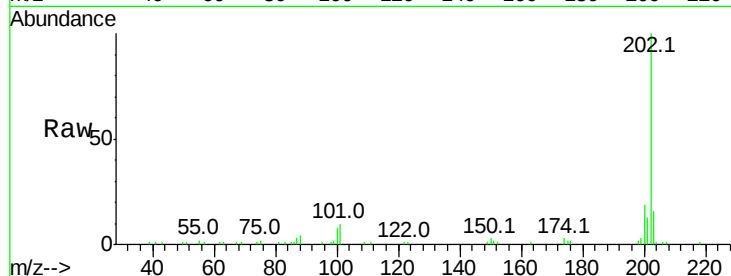
Tot Ion:202 Resp: 46293

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.1

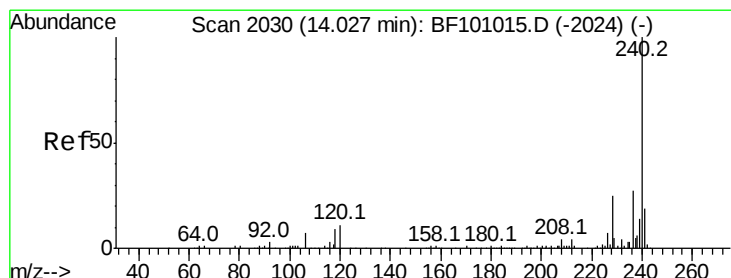
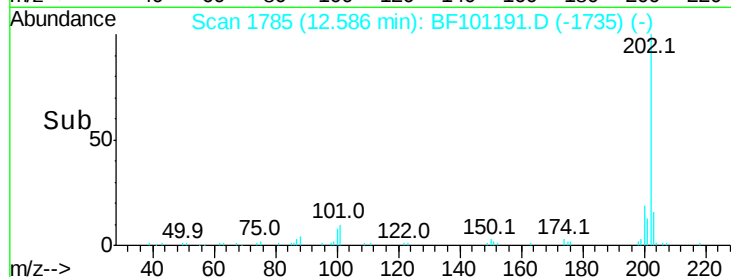
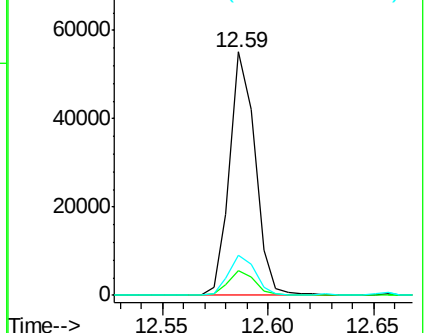
203 16.5 0.0 38.1



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: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

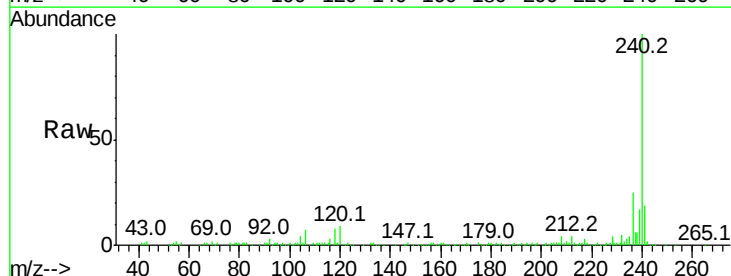
Tgt Ion:240 Resp: 106039

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

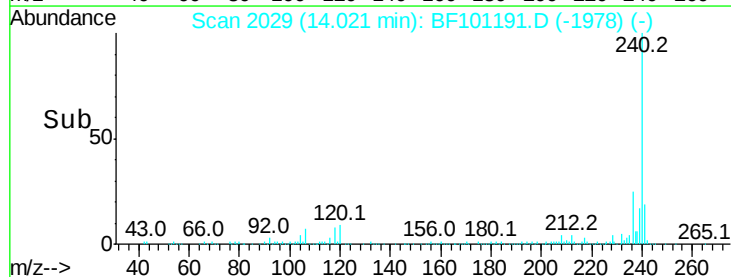
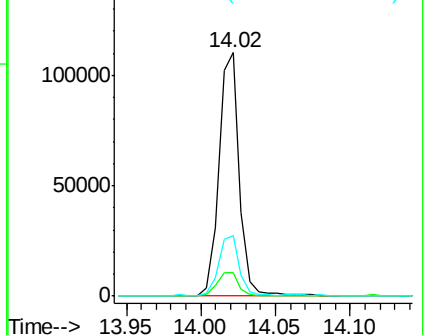
236 24.9 20.7 31.1

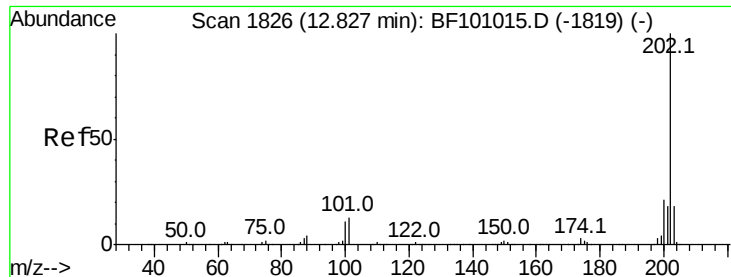


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

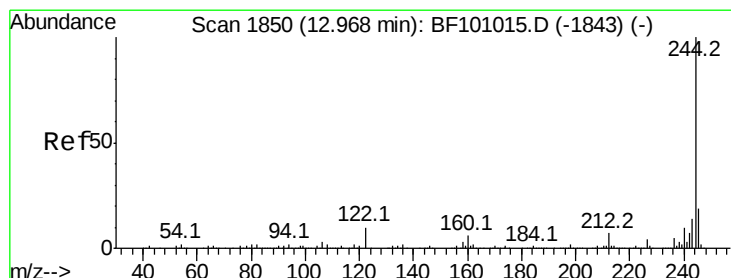
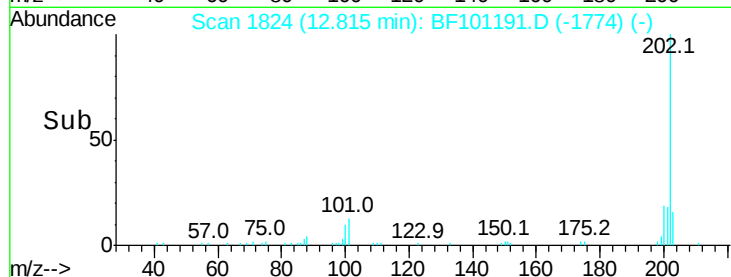
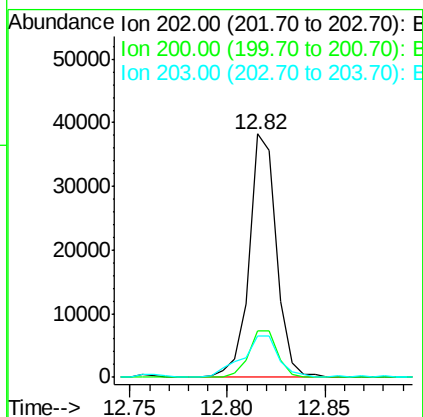
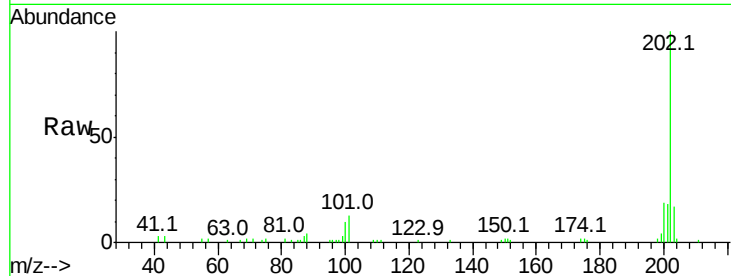




#77
Pvrene
Concen: 5.050 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

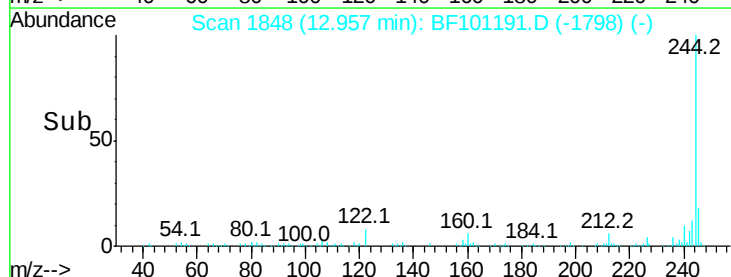
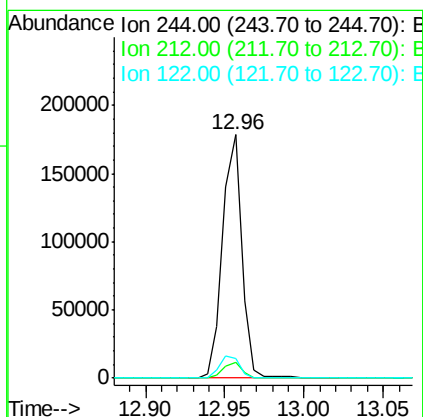
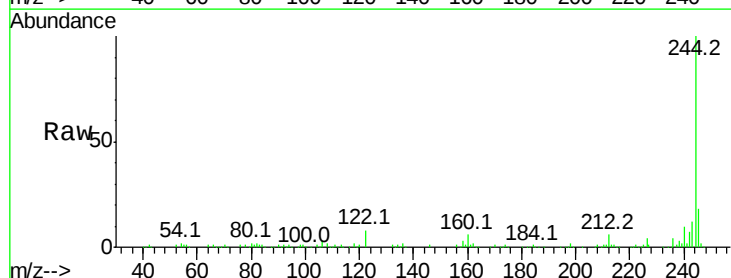
Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

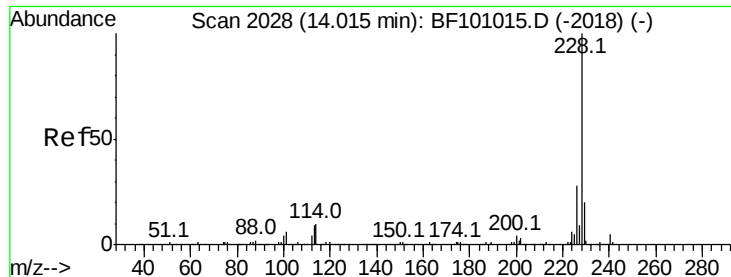
Tot Ion:202 Resp: 36950
Ion Ratio Lower Upper
202 100
200 18.8 17.4 26.2
203 16.9 14.3 21.5



#78
Terphenyl-d14
Concen: 31.178 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Tgt Ion:244 Resp: 151151
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 8.3 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 3.409 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.04 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

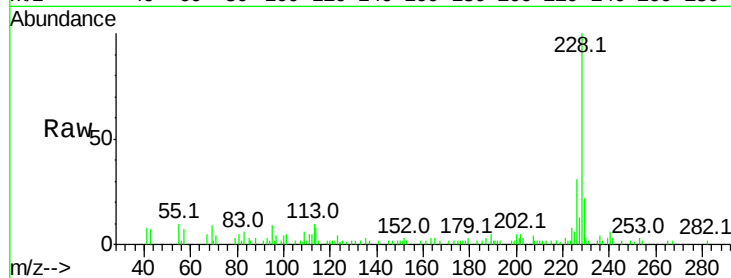
Tot Ion:228 Resp: 22827

Ion Ratio Lower Upper

228 100

226 31.3 22.6 33.8

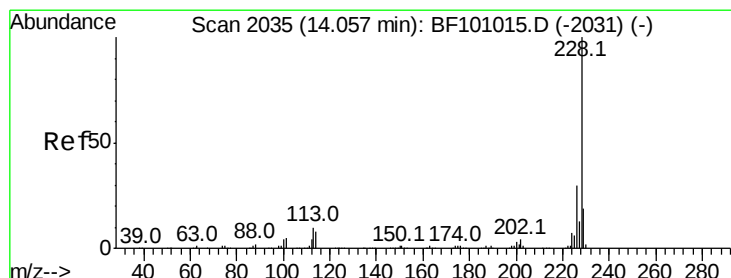
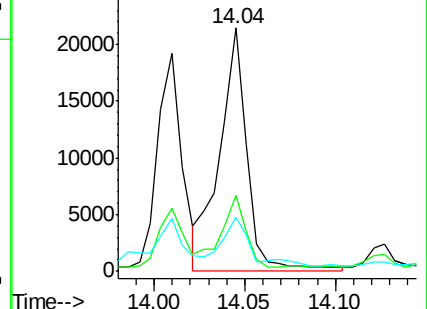
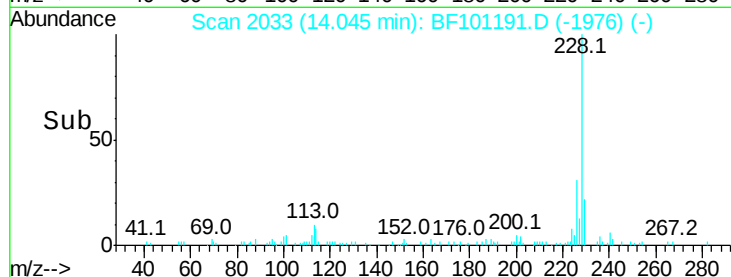
229 22.4 15.8 23.6



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: 3.671 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

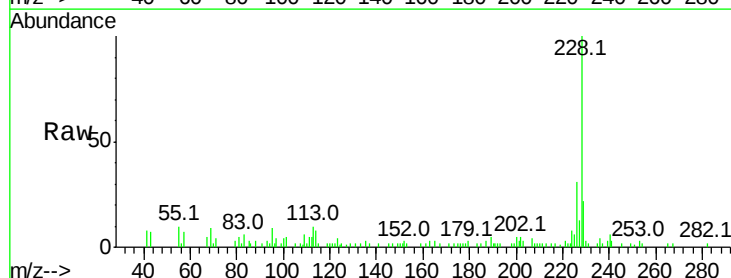
Tgt Ion:228 Resp: 22827

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

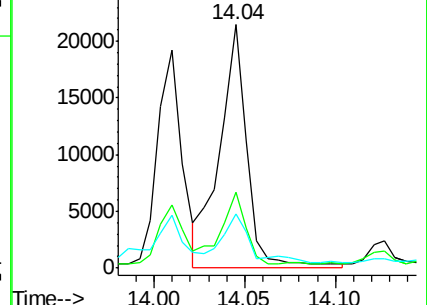
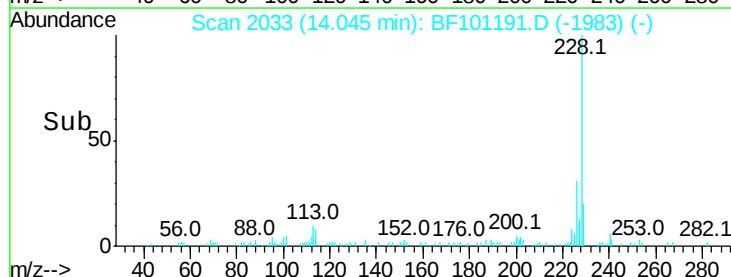
229 22.4 16.2 24.4

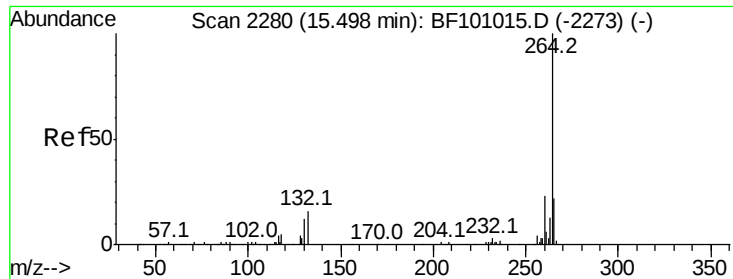


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

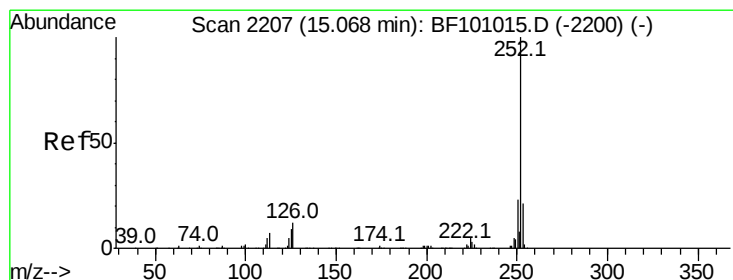
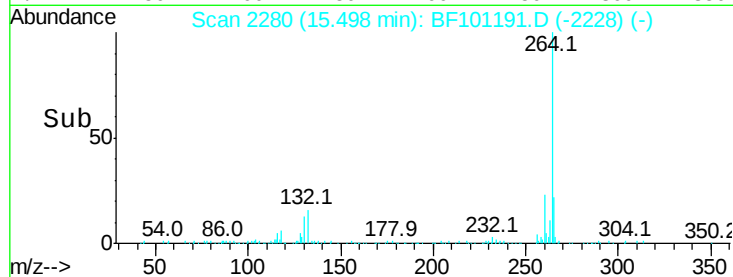
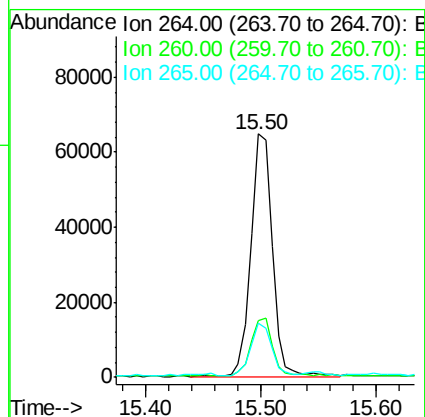
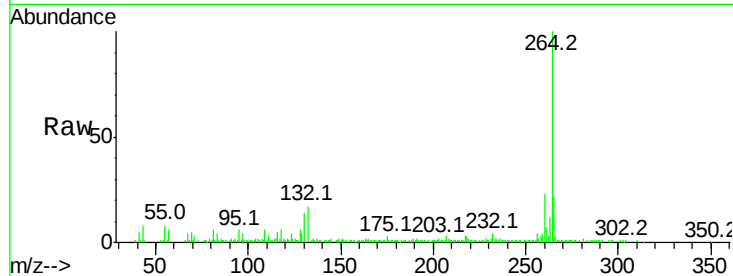




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

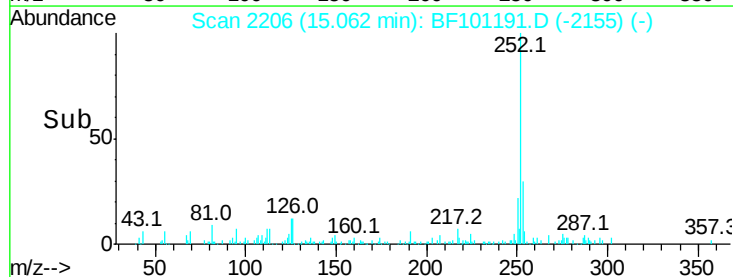
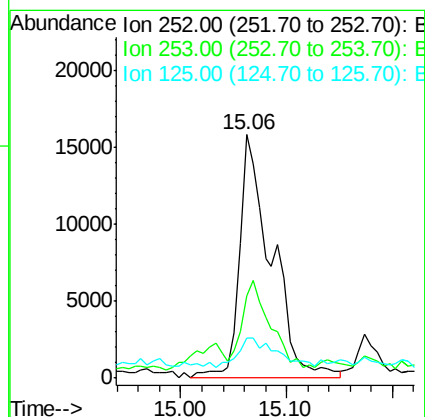
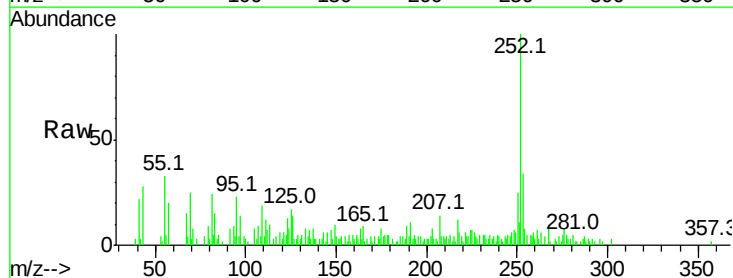
Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

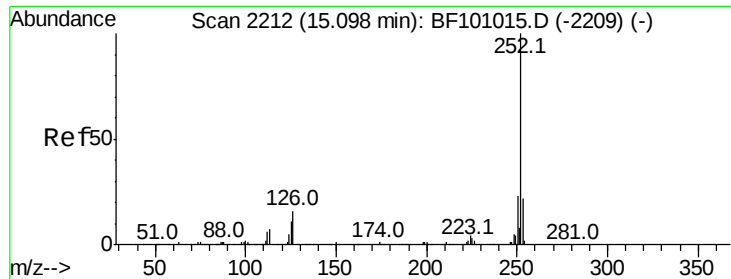
Tot Ion:264 Resp: 85757
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 22.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.427 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Tgt Ion:252 Resp: 33011
Ion Ratio Lower Upper
252 100
253 33.7 17.0 25.6#
125 16.7 9.0 13.6#

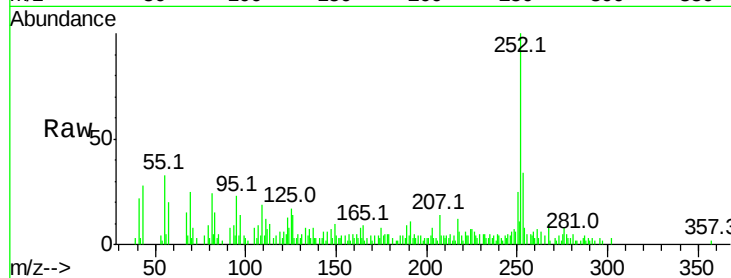




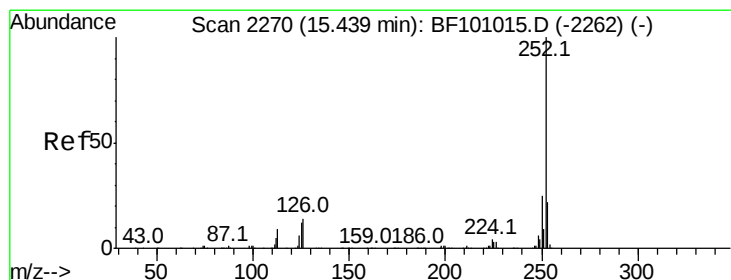
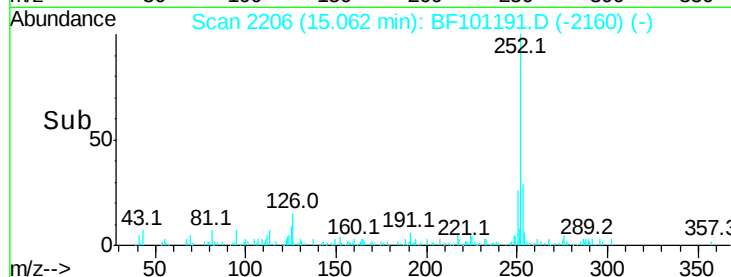
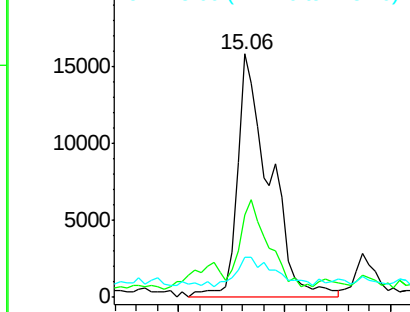
#88
Benzo(k)fluoranthene
Concen: 6.523 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

Tot Ion:252 Resp: 33011
Ion Ratio Lower Upper
252 100
253 33.7 17.9 26.9#
125 16.7 10.2 15.2#

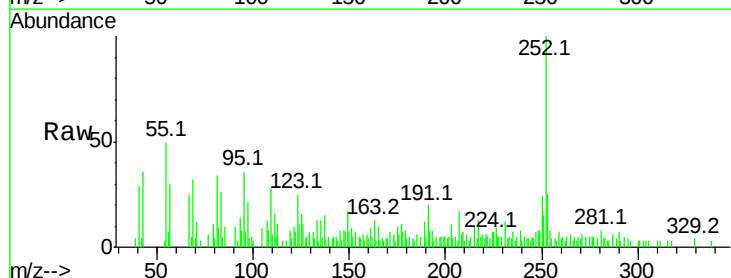


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

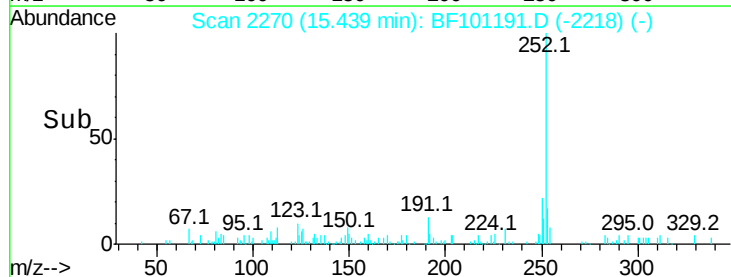
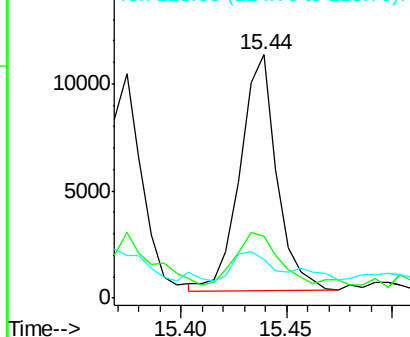


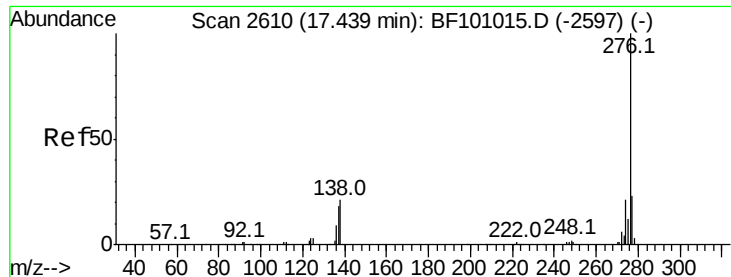
#89
Benzo(a)pyrene
Concen: 2.843 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Tgt Ion:252 Resp: 13277
Ion Ratio Lower Upper
252 100
253 25.4 17.1 25.7
125 16.2 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





#91

Benzo(a,h,i)perylene

Concen: 2.243 ng

RT: 17.44 min Scan# 2611

Delta R.T. 0.02 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

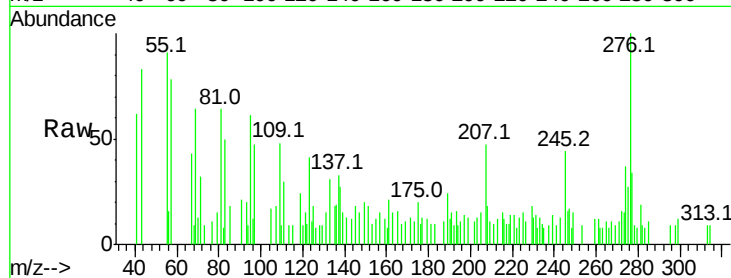
Tot Ion: 276 Resp: 8703

Ion Ratio Lower Upper

276 100

277 34.0 17.9 26.9#

138 27.0 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

