

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101250.D
 Acq On : 8 Dec 2017 21:46
 Operator : SJ/JU
 Sample : I6656-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Dec 08 23:36:15 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

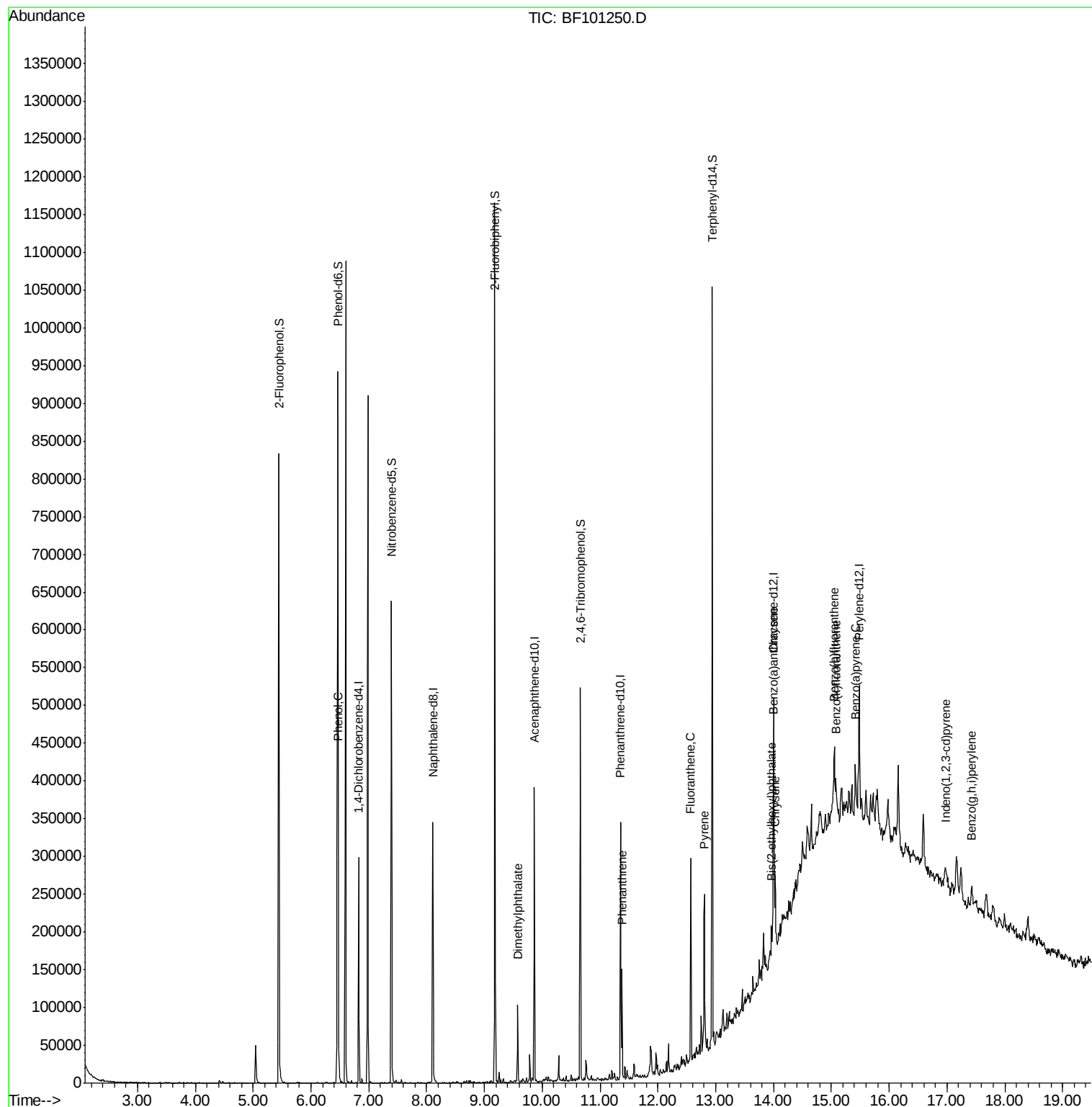
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	46009	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	167684	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	69867	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	121030	20.00	ng	0.00
75) Chrysene-d12	14.00	240	100072	20.00	ng	0.00
86) Perylene-d12	15.49	264	75732	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	251888	90.47	ng	0.00
7) Phenol-d6	6.46	99	306990	90.81	ng	0.00
23) Nitrobenzene-d5	7.39	82	183399	65.24	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	59189	70.52	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	383545	75.11	ng	0.00
78) Terphenyl-d14	12.94	244	327232	71.52	ng	0.00
Target Compounds						
10) Phenol	6.47	94	8333	2.217	ng	91
49) Dimethylphthalate	9.57	163	33970	6.029	ng	100
70) Phenanthrene	11.38	178	56882	8.534	ng	98
74) Fluoranthene	12.57	202	104088	14.089	ng	96
77) Pyrene	12.80	202	85024	12.313	ng	100
80) Benzo(a)anthracene	13.99	228	35983m	5.695	ng	
82) Chrysene	14.03	228	40942	6.977	ng	98
83) Bis(2-ethylhexyl)phthalate	13.97	149	11619	2.677	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.97	276	14829	2.842	ng	# 93
87) Benzo(b)fluoranthene	15.05	252	39902m	8.796	ng	
88) Benzo(k)fluoranthene	15.07	252	12723m	2.847	ng	
89) Benzo(a)pyrene	15.42	252	24726	5.996	ng	# 85
91) Benzo(a,h,i)perylene	17.43	276	15365	4.484	ng	# 88

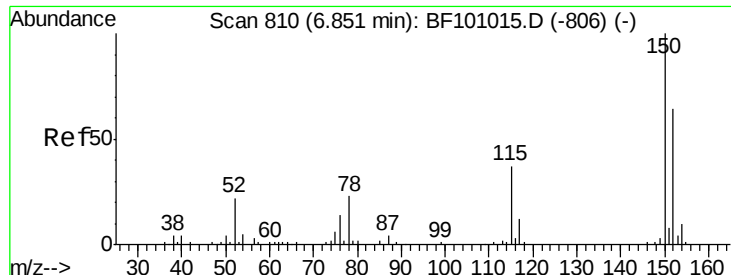
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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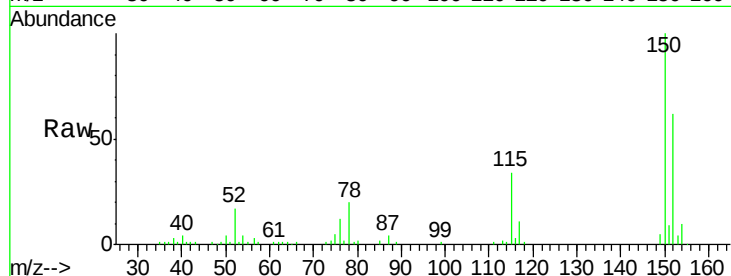




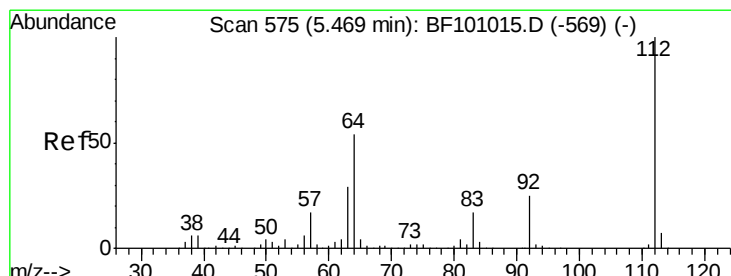
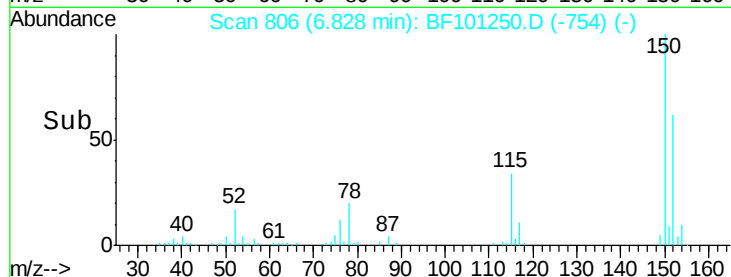
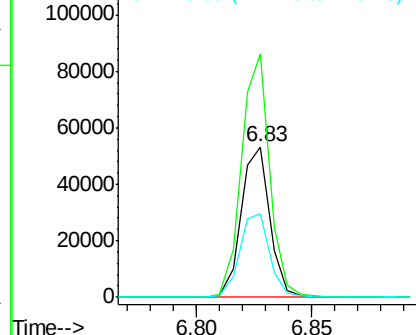
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: BF101250.D
 Acq: 8 Dec 2017 21:46

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

Tot Ion:152 Resp: 46009
 Ion Ratio Lower Upper
 152 100
 150 161.6 124.6 186.8
 115 55.1 50.1 75.1

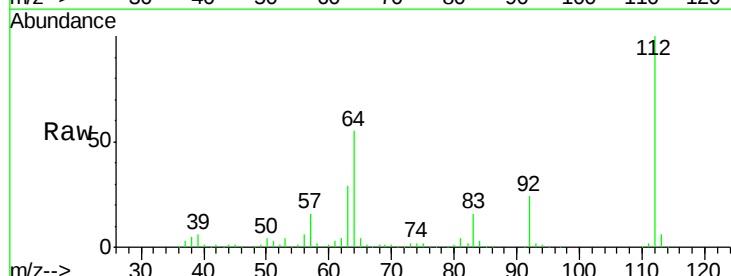


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

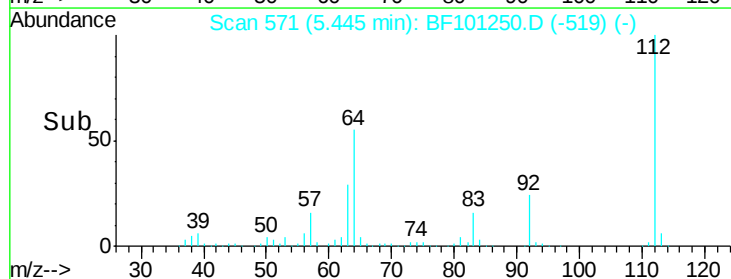
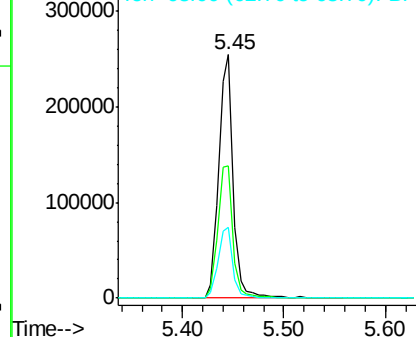


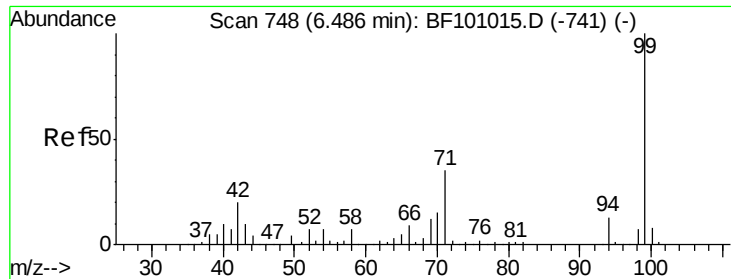
#5
 2-Fluorophenol
 Concen: 90.467 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF101250.D
 Acq: 8 Dec 2017 21:46

Tgt Ion:112 Resp: 251888
 Ion Ratio Lower Upper
 112 100
 64 54.6 47.9 71.9
 63 29.0 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: 90.814 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101250.D

Acq: 8 Dec 2017 21:46

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

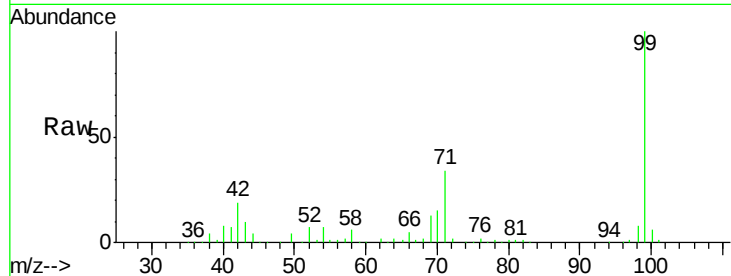
Tot Ion: 99 Resp: 306990

Ion Ratio Lower Upper

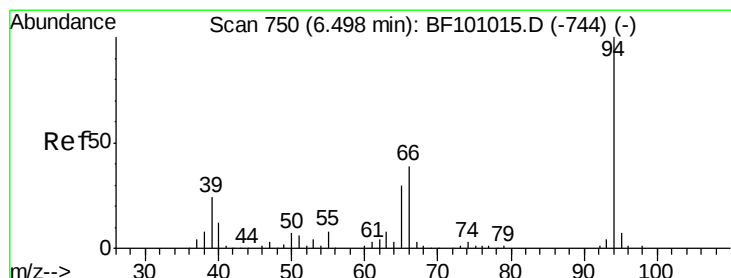
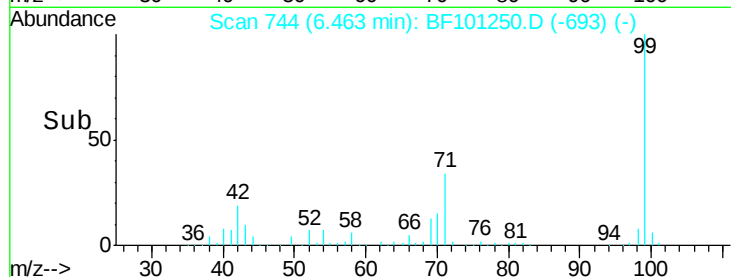
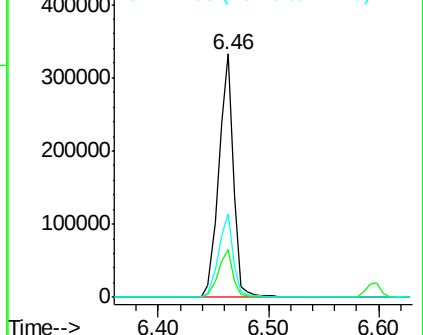
99 100

42 19.4 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



#10

Phenol

Concen: 2.217 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF101250.D

Acq: 8 Dec 2017 21:46

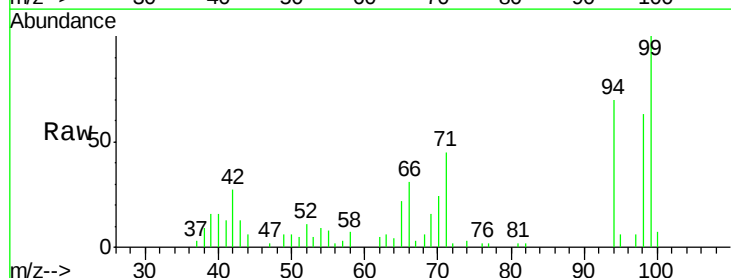
Tgt Ion: 94 Resp: 8333

Ion Ratio Lower Upper

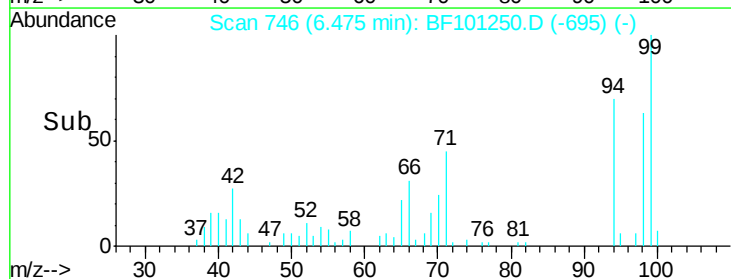
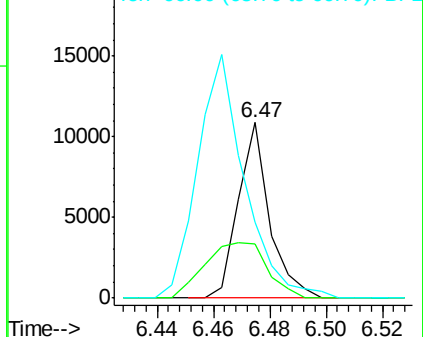
94 100

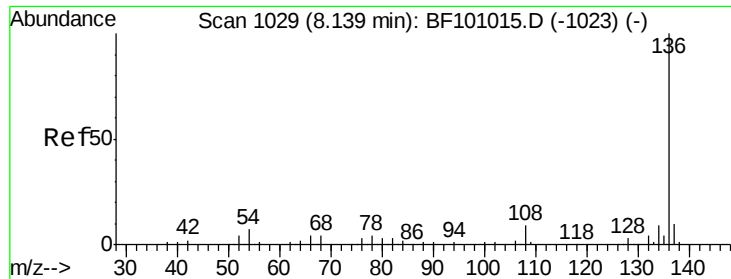
65 30.8 7.9 47.9

66 43.5 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

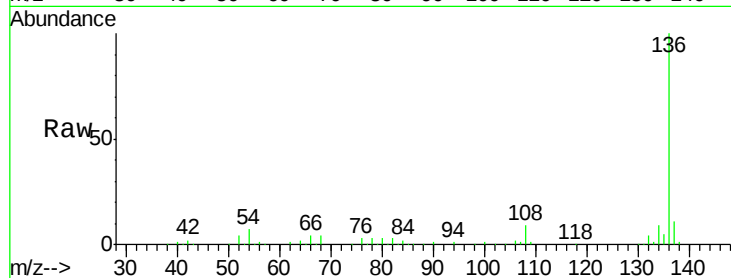




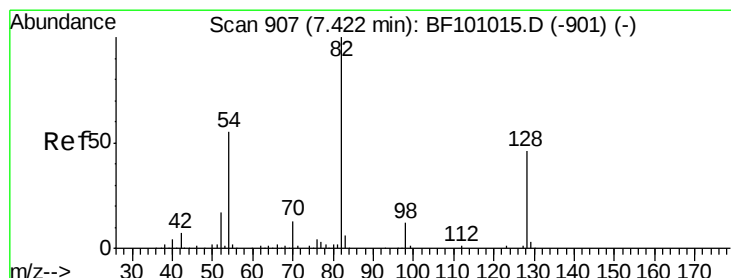
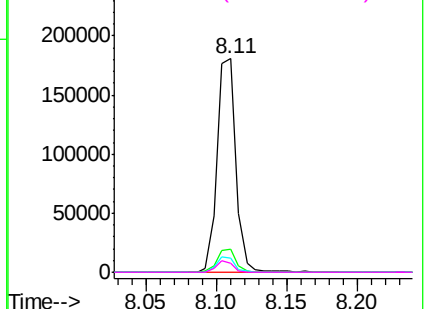
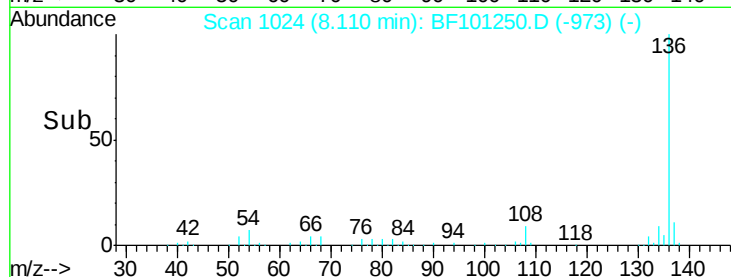
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

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

Tot Ion:136	Resp:	167684
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.8	6.6 9.8
68	4.4	5.0 7.4#

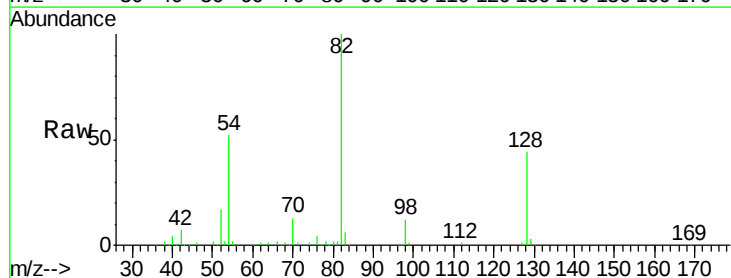


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

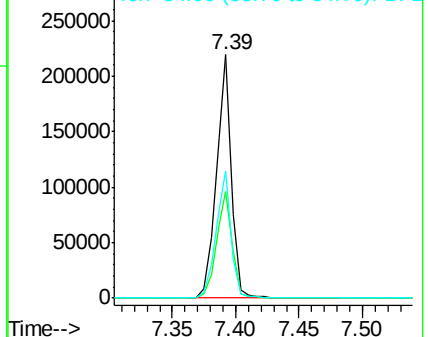
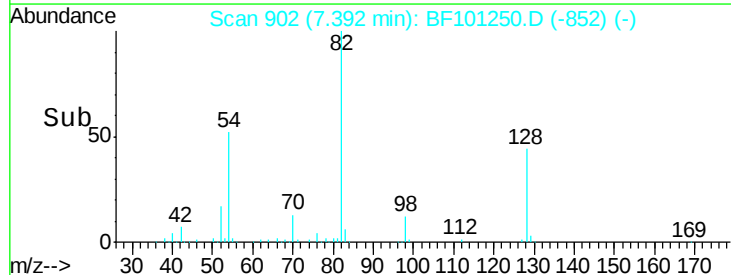


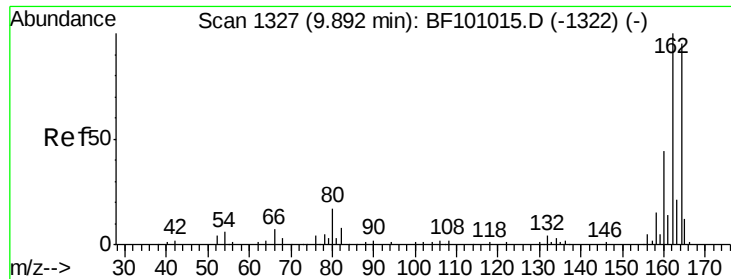
#23
Nitrobenzene-d5
Concen: 65.244 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

Tgt Ion: 82	Resp:	183399
Ion Ratio	Lower	Upper
82	100	
128	44.0	36.1 54.1
54	52.2	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101250.D

Acq: 8 Dec 2017 21:46

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

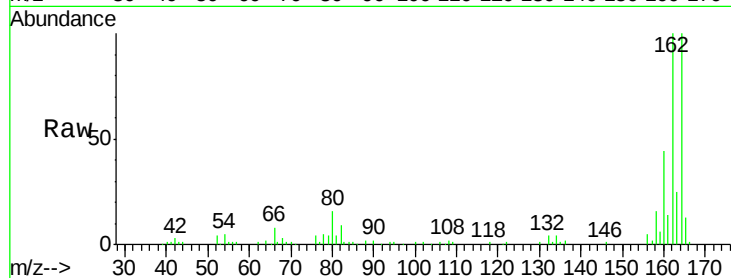
Tot Ion:164 Resp: 69867

Ion Ratio Lower Upper

164 100

162 99.8 86.1 129.1

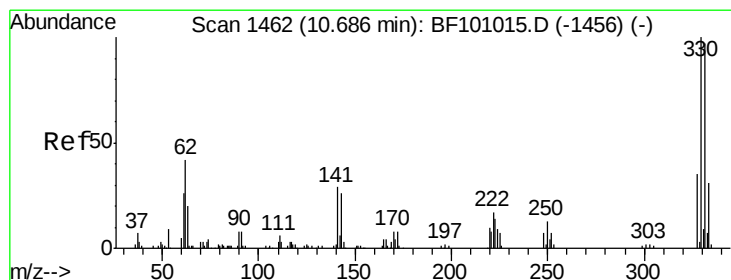
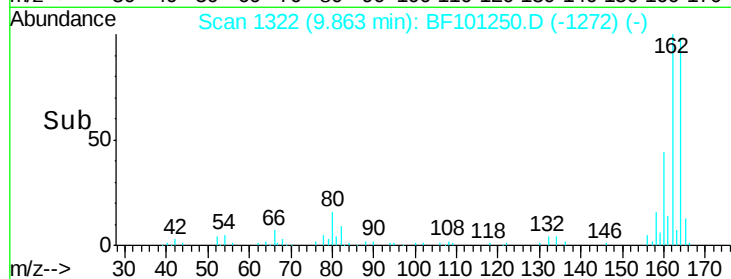
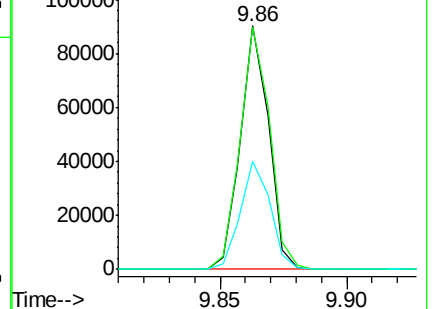
160 44.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 70.522 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101250.D

Acq: 8 Dec 2017 21:46

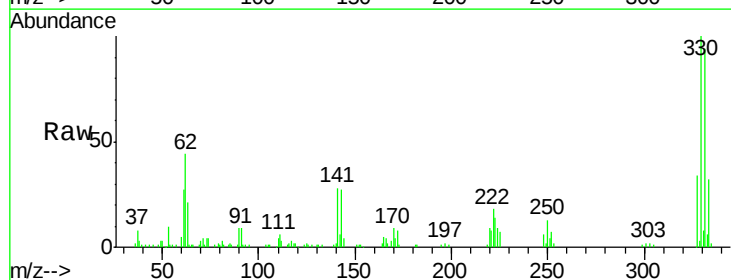
Tgt Ion:330 Resp: 59189

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

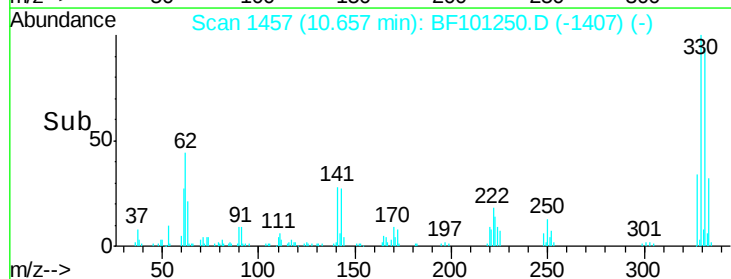
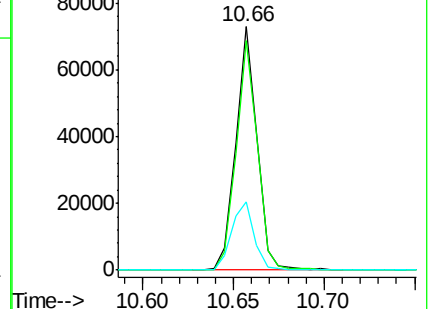
141 29.6 29.9 44.9#

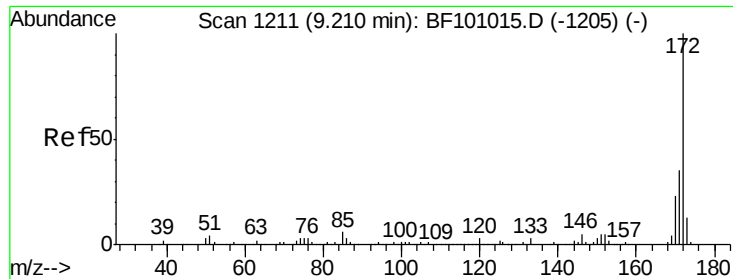


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

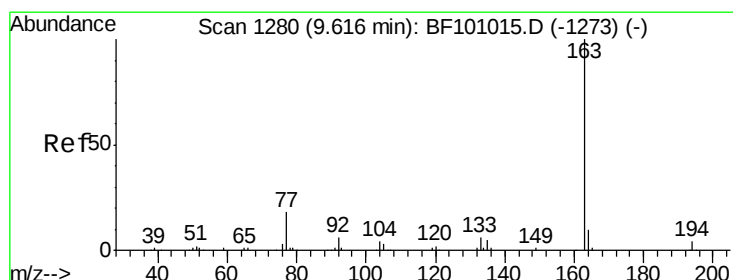
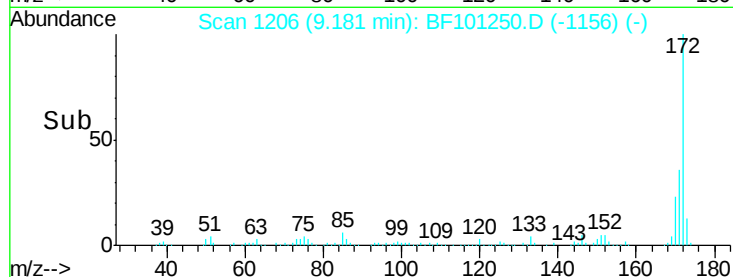
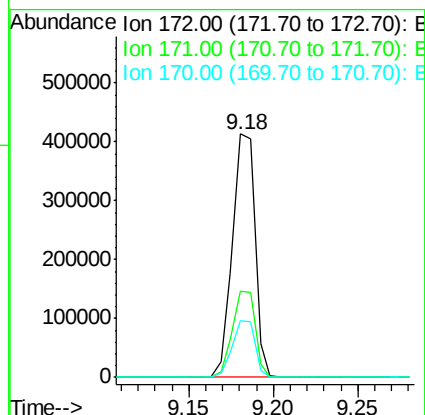
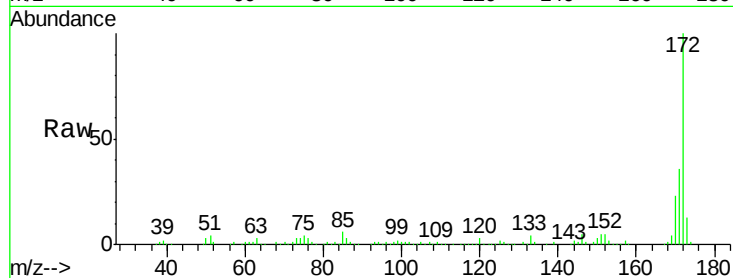




#44
2-Fluorobiphenyl
Concen: 75.109 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

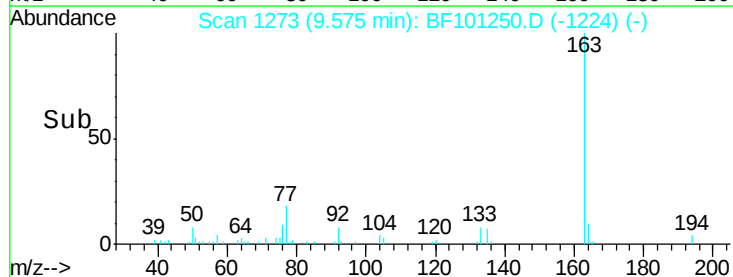
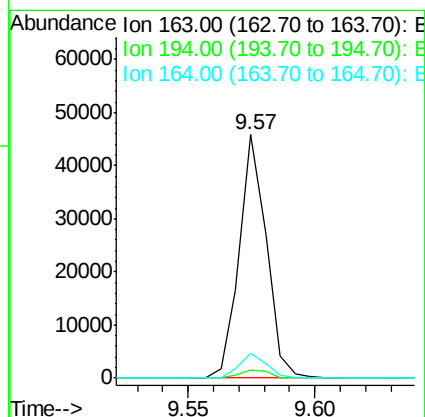
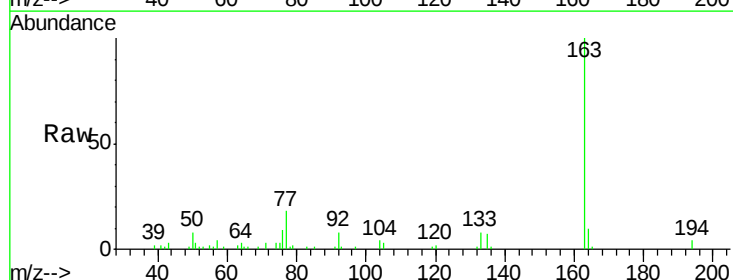
Instrument :
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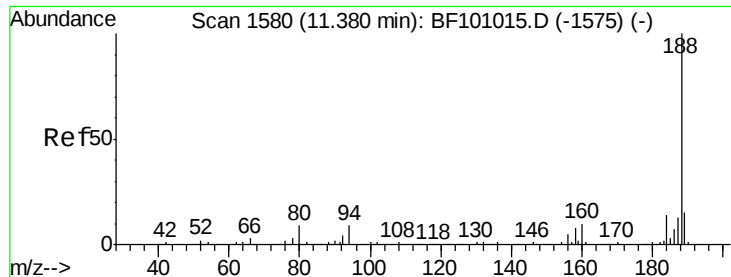
Tot Ion:172 Resp: 383545
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 23.5 19.6 29.4



#49
Dimethylphthalate
Concen: 6.029 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

Tgt Ion:163 Resp: 33970
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.1 8.2 12.2

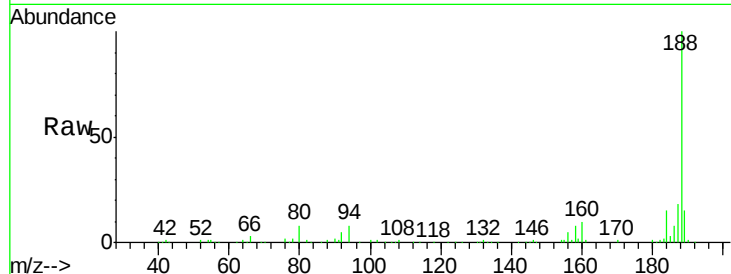




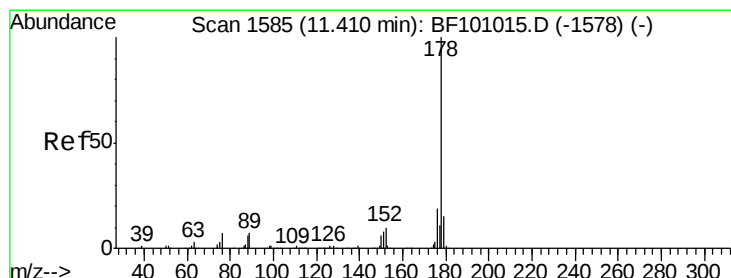
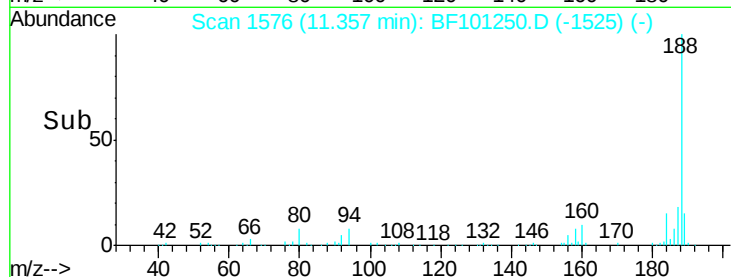
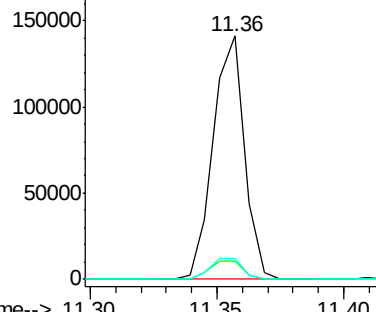
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

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

Tot Ion:188 Resp: 121030
Ion Ratio Lower Upper
188 100
94 7.6 8.5 12.7#
80 8.4 9.2 13.8#

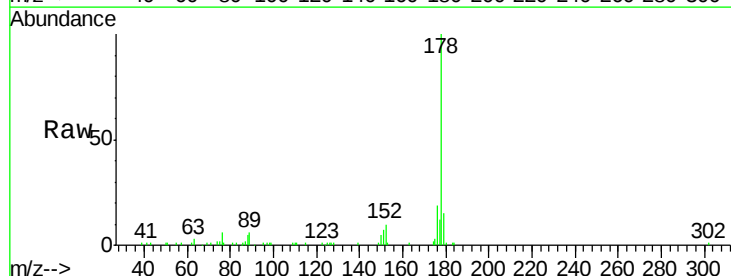


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

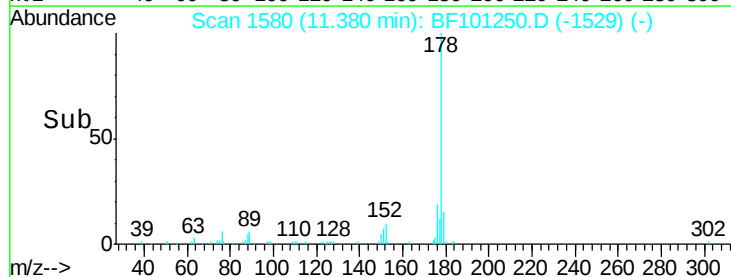
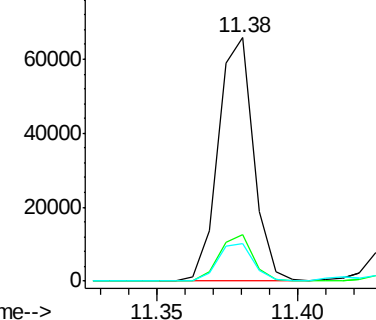


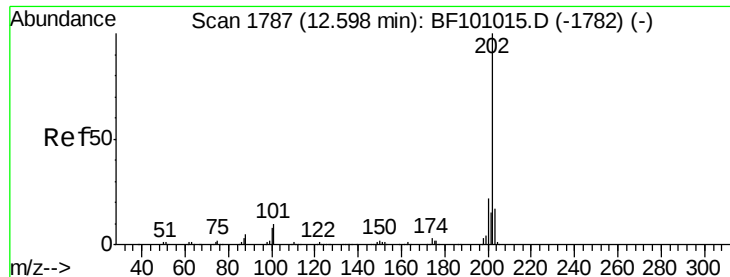
#70
Phenanthrene
Concen: 8.534 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

Tgt Ion:178 Resp: 56882
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.4 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: 14.089 ng

RT: 12.57 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BF101250.D

Acq: 8 Dec 2017 21:46

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

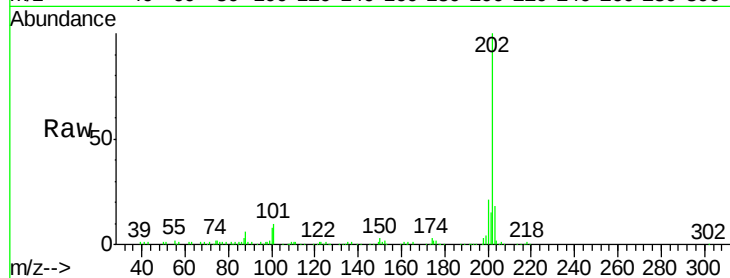
Tot Ion:202 Resp: 104088

Ion Ratio Lower Upper

202 100

101 10.5 0.0 34.1

203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

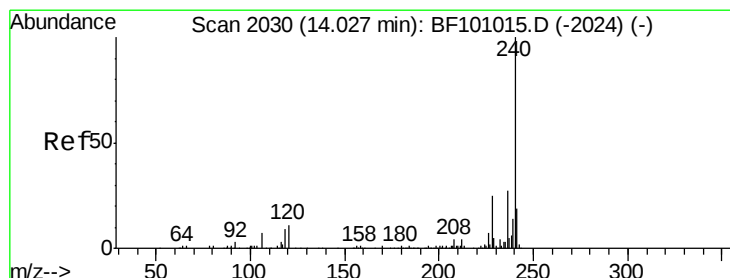
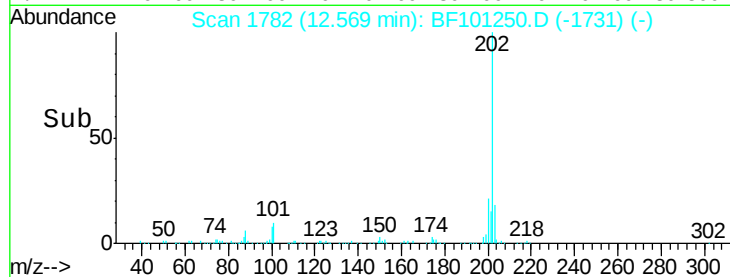
12.57

100000

50000

0

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101250.D

Acq: 8 Dec 2017 21:46

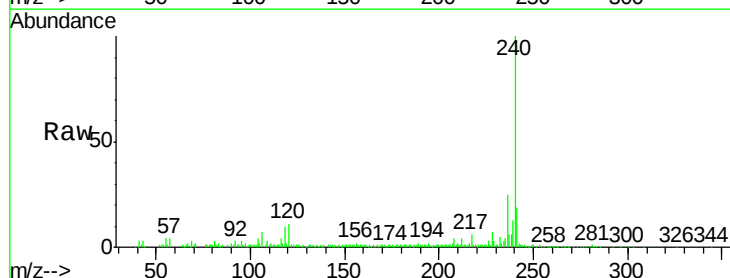
Tgt Ion:240 Resp: 100072

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

236 25.4 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

14.00

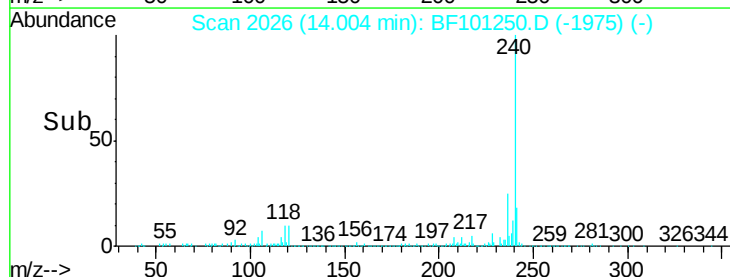
150000

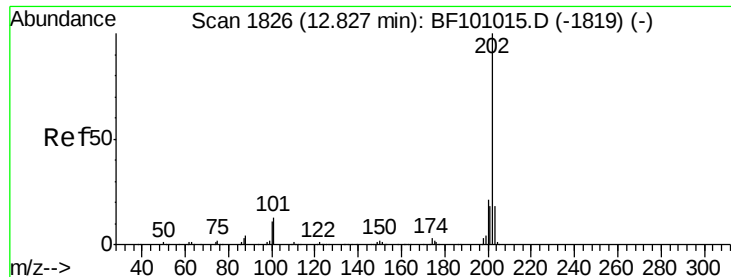
100000

50000

0

Time-->





#77

Pvrene

Concen: 12.313 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101250.D

Acq: 8 Dec 2017 21:46

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

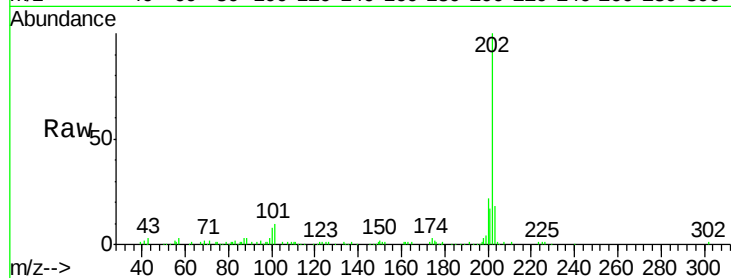
Tot Ion:202 Resp: 85024

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

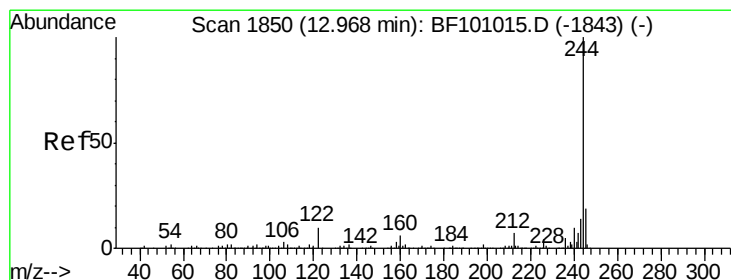
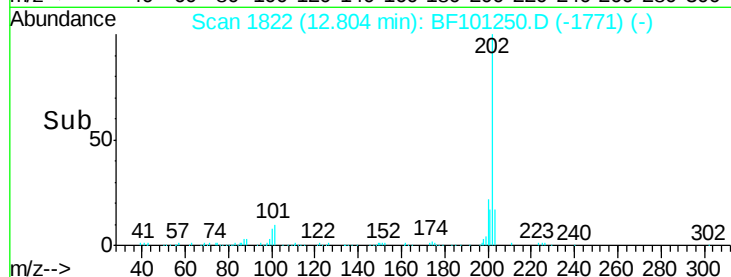
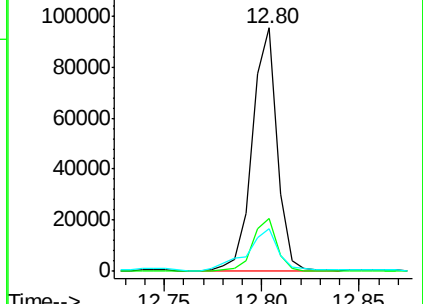
203 17.7 14.3 21.5



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: 71.523 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF101250.D

Acq: 8 Dec 2017 21:46

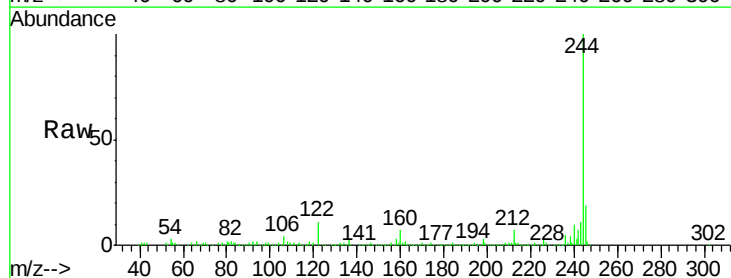
Tgt Ion:244 Resp: 327232

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

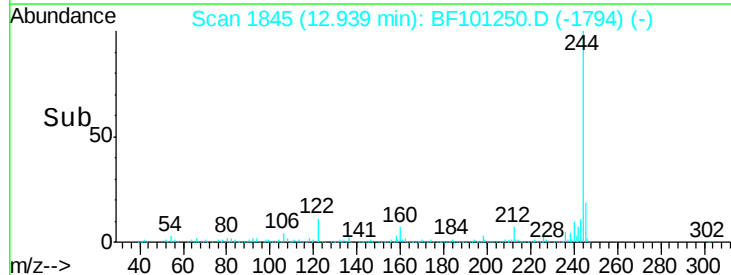
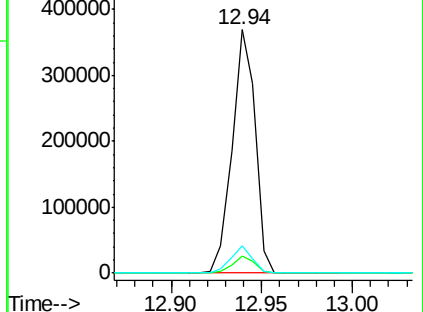
122 11.0 11.0 16.4

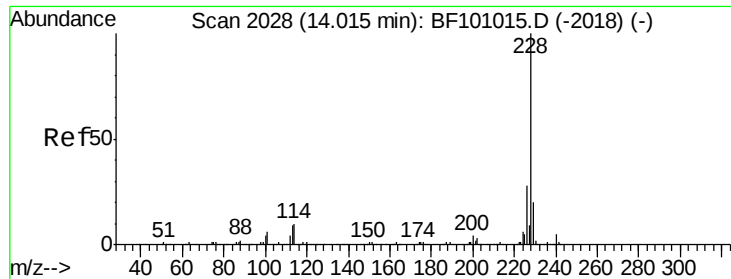


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

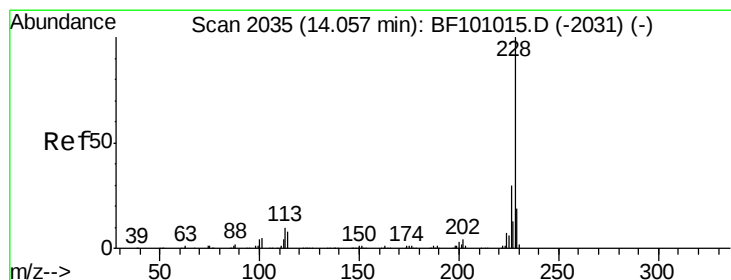
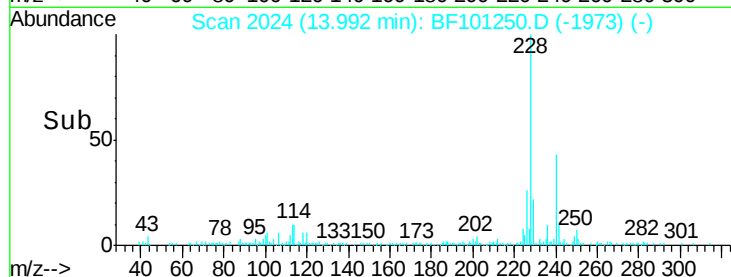
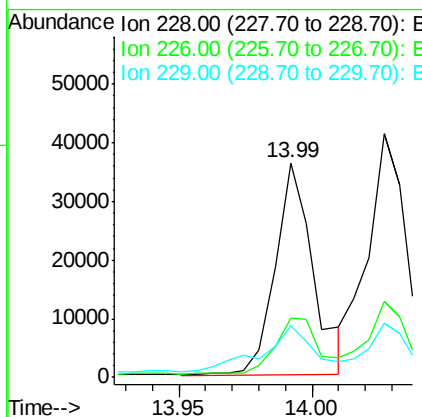
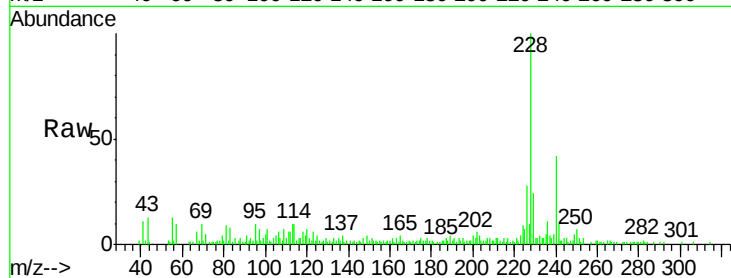




#80
Benzo(a)anthracene
Concen: 5.695 ng m
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

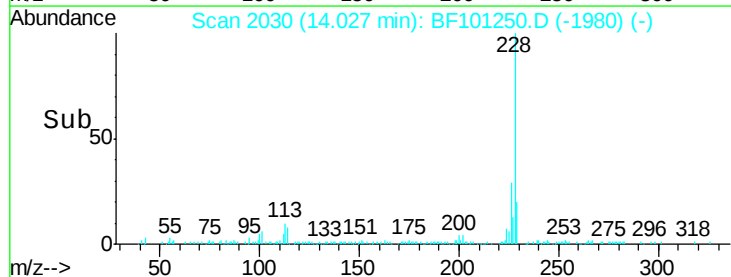
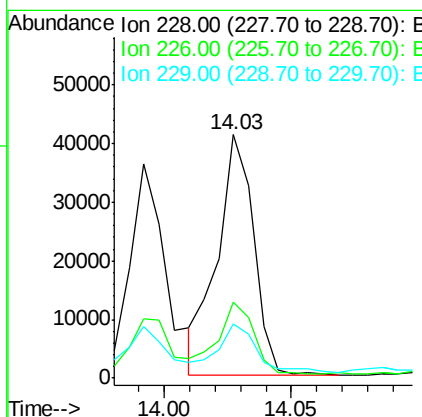
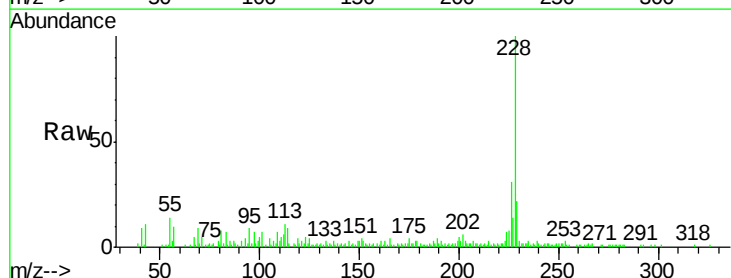
Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

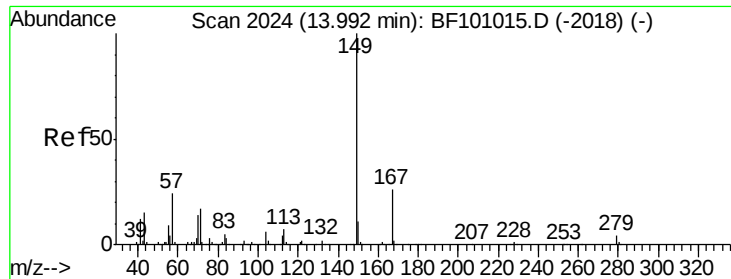
Tot Ion:228 Resp: 35983
Ion Ratio Lower Upper
228 100
226 27.6 22.6 33.8
229 24.1 15.8 23.6#



#82
Chrysene
Concen: 6.977 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

Tgt Ion:228 Resp: 40942
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 22.3 16.2 24.4

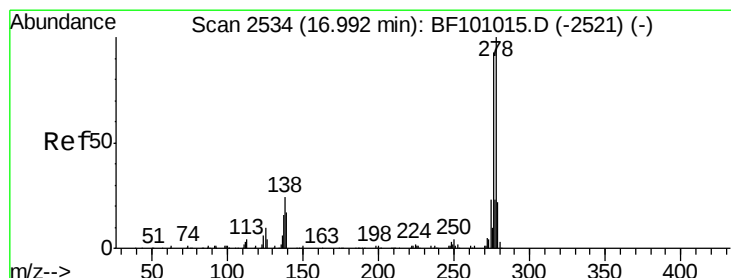
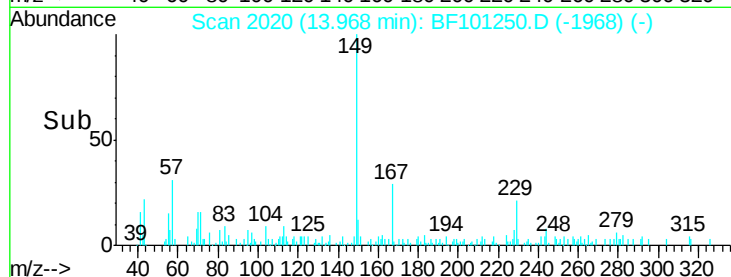
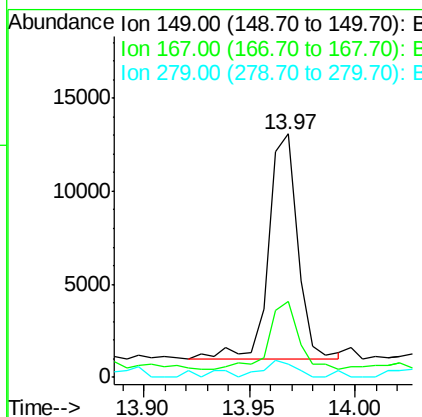
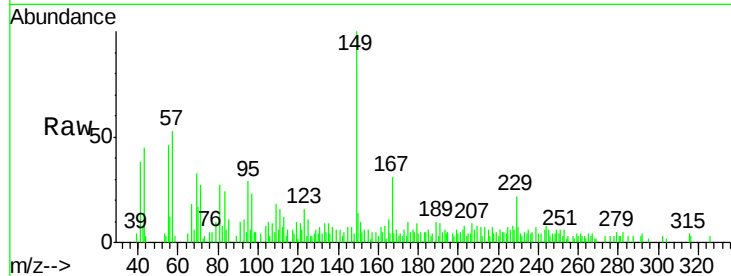




#83
Bis(2-ethylhexyl)phthalate
Concen: 2.677 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

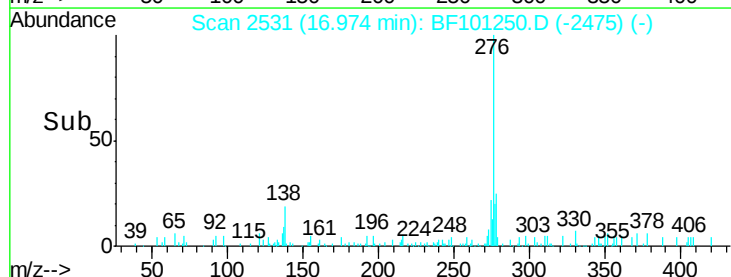
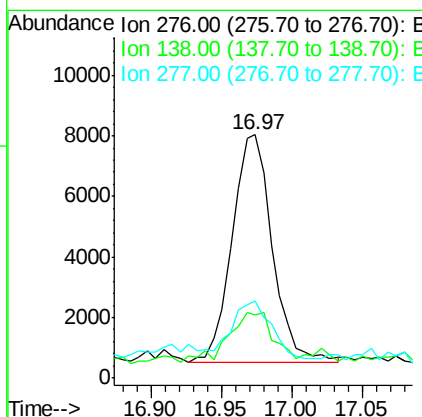
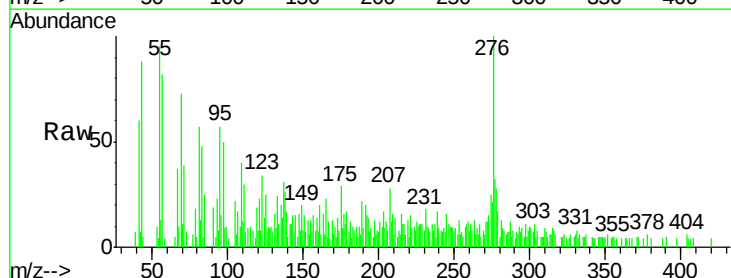
Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

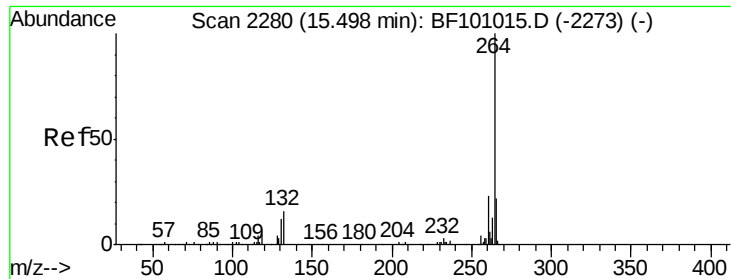
Tot Ion:149 Resp: 11619
Ion Ratio Lower Upper
149 100
167 31.0 21.3 31.9
279 5.3 3.0 4.4#



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.842 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.03 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

Tgt Ion:276 Resp: 14829
Ion Ratio Lower Upper
276 100
138 24.7 25.0 37.6#
277 24.6 20.1 30.1

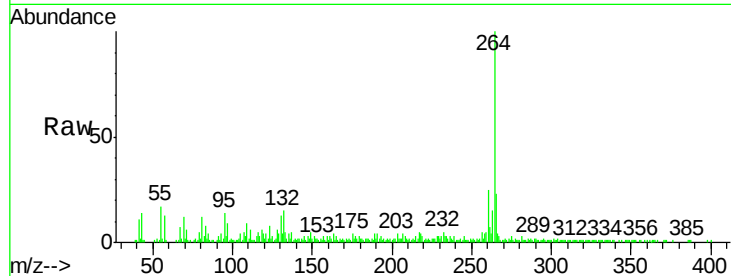




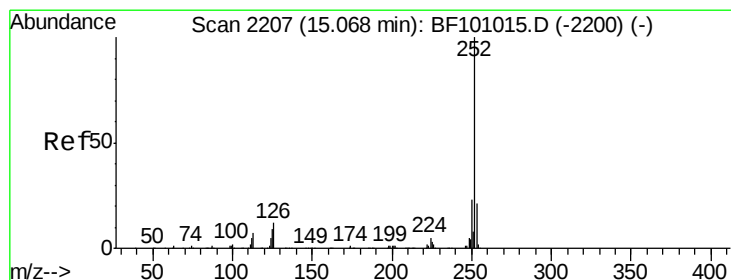
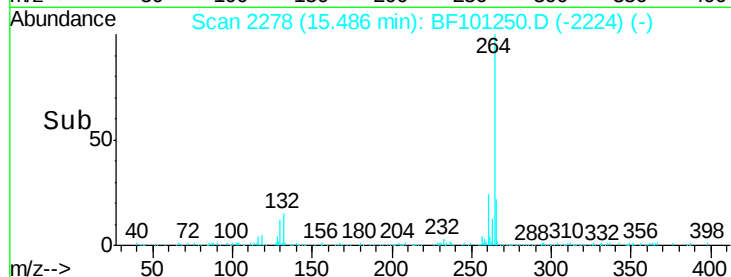
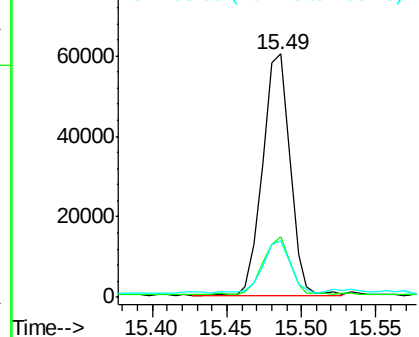
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

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

Tot Ion:264 Resp: 75732
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 23.3 17.5 26.3

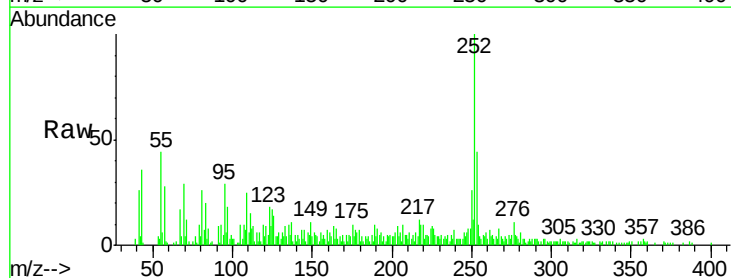


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

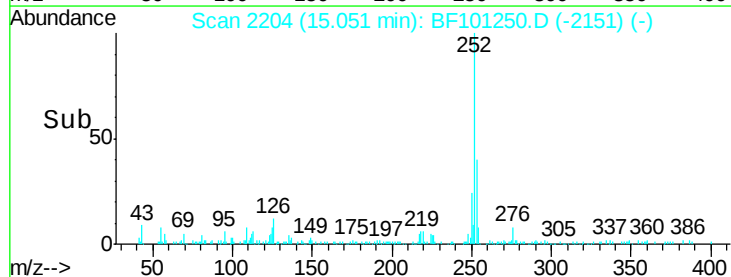
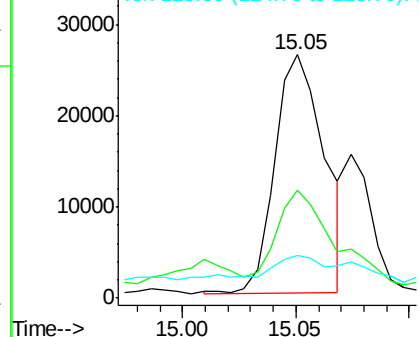


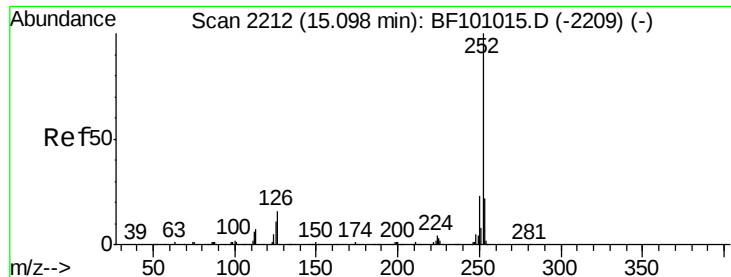
#87
Benzo(b)fluoranthene
Concen: 8.796 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101250.D
Acq: 8 Dec 2017 21:46

Tgt Ion:252 Resp: 39902
Ion Ratio Lower Upper
252 100
253 44.4 17.0 25.6#
125 17.4 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: 2.847 ng

RT: 15.07 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BF101250.D

Acq: 8 Dec 2017 21:46

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

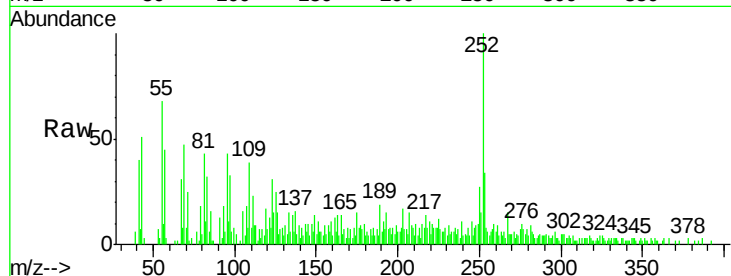
Tot Ion:252 Resp: 12723

Ion Ratio Lower Upper

252 100

253 33.7 17.9 26.9#

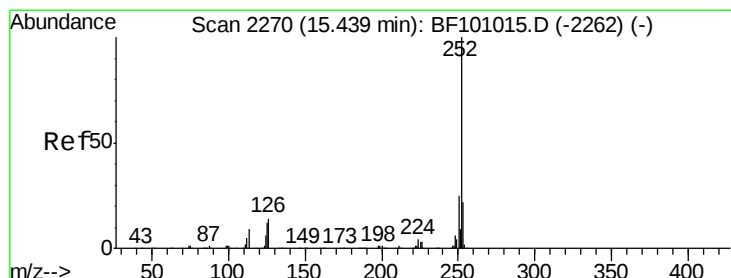
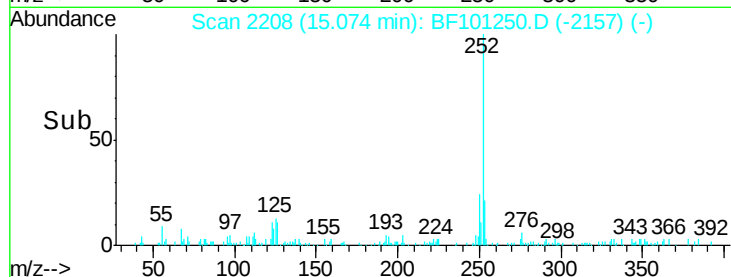
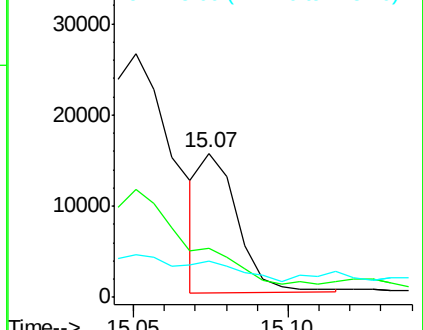
125 25.4 10.2 15.2#



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: 5.996 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101250.D

Acq: 8 Dec 2017 21:46

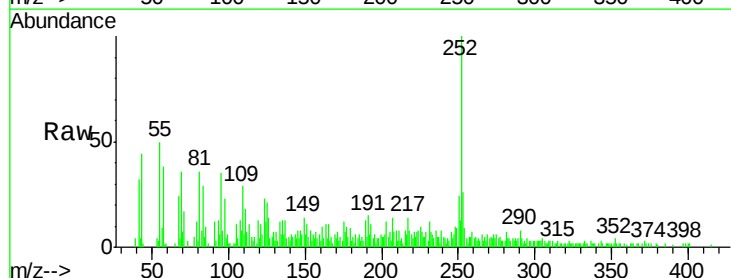
Tgt Ion:252 Resp: 24726

Ion Ratio Lower Upper

252 100

253 26.0 17.1 25.7#

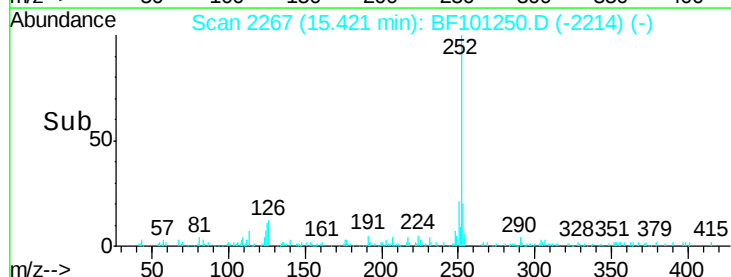
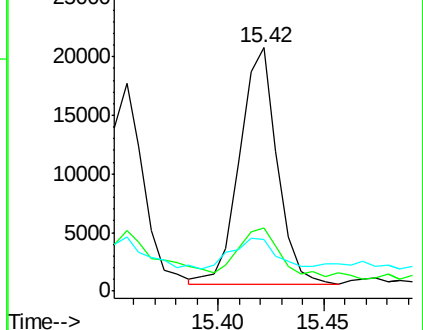
125 21.4 9.8 14.6#

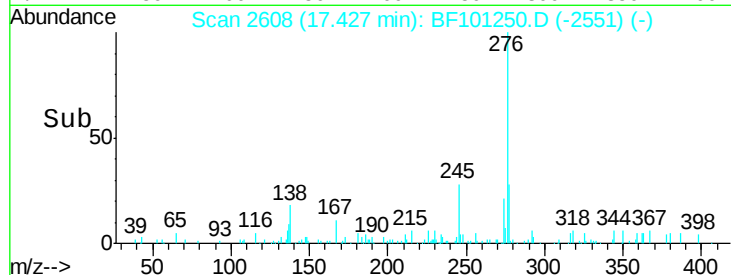
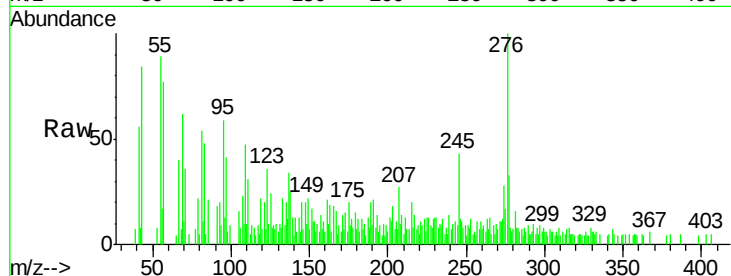
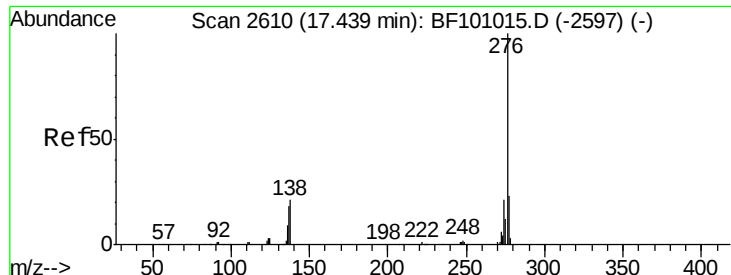


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.484 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.04 min

Lab File: BF101250.D

Acq: 8 Dec 2017 21:46

Instrument :

BNA_F

ClientSampleId :

BART-3-E(0-1)

Tot Ion:276 Resp: 15365

Ion Ratio Lower Upper

276 100

277 33.2 17.9 26.9#

138 25.4 21.8 32.8

