

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097624.D
 Acq On : 21 Sep 2018 22:48
 Operator : SJ/JU
 Sample : PB112996BSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB112996BSD

Quant Time: Sep 22 04:09:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1198	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	5038	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2426	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	5576	0.40	ng	0.00
27) Chrysene-d12	20.97	240	7492	0.40	ng	0.00
34) Perylene-d12	23.21	264	7723	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.07	112	1274	0.35	ng	0.01
5) Phenol-d6	6.61	99	1440	0.31	ng	0.00
8) Nitrobenzene-d5	8.53	82	1418	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3586	0.52	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	213	0.28	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3917	0.46	ng	0.00
25) Fluoranthene-d10	18.80	212	26338	0.37	ng	0.00
29) Terphenyl-d14	19.42	244	4643	0.34	ng	0.00

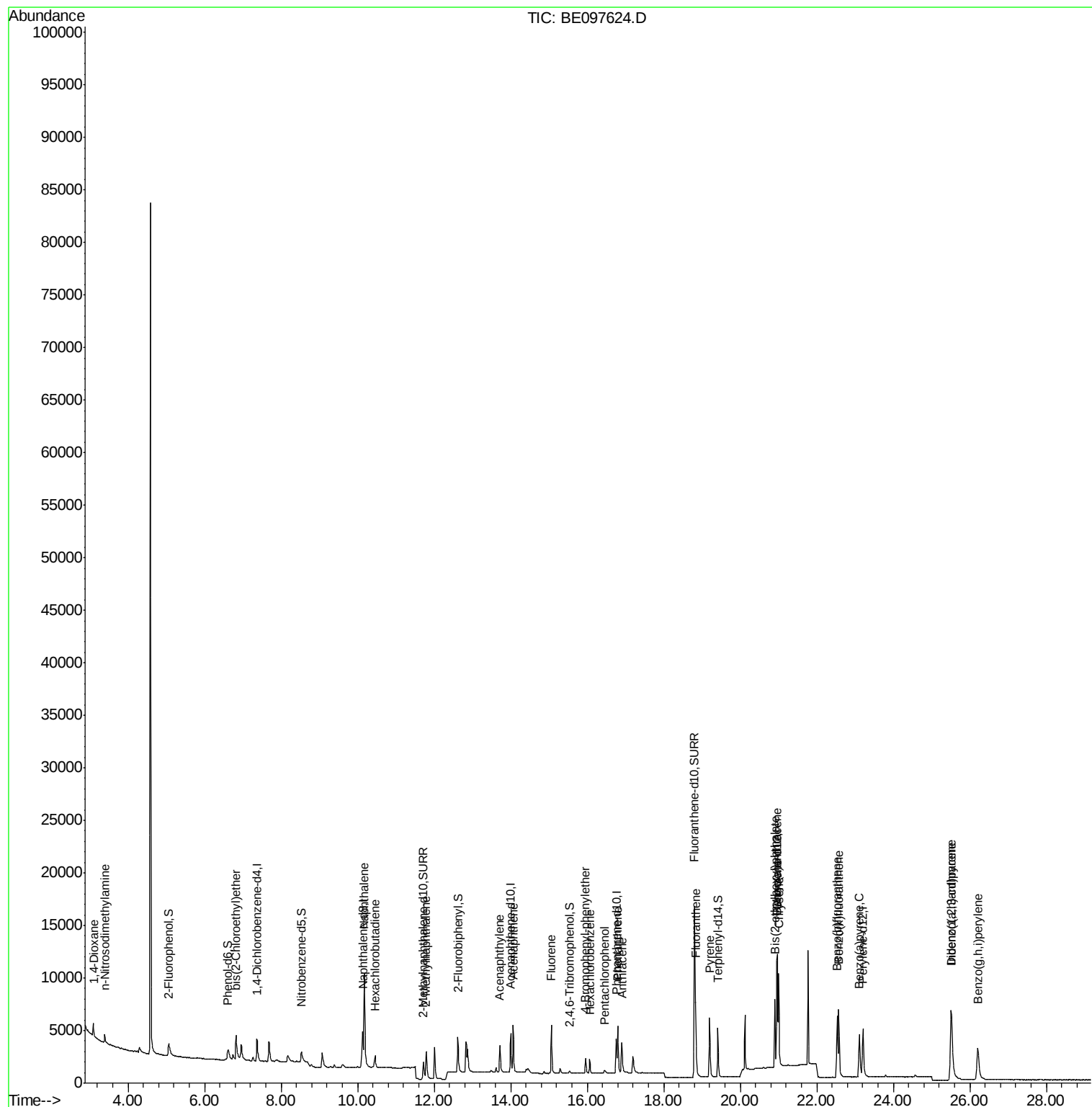
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	647	0.307	ng	# 76
3) n-Nitrosodimethylamine	3.38	42	562	0.326	ng	# 83
6) bis(2-Chloroethyl)ether	6.83	93	1357	0.319	ng	79
9) Naphthalene	10.17	128	18431	0.406	ng	100
10) Hexachlorobutadiene	10.46	225	794	0.380	ng	95
12) 2-Methylnaphthalene	11.79	142	2723	0.385	ng	98
16) Acenaphthylene	13.72	152	3613	0.377	ng	99
17) Acenaphthene	14.06	154	2437	0.379	ng	96
18) Fluorene	15.06	166	3107	0.371	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	967	0.385	ng	# 81
21) Hexachlorobenzene	16.07	284	1159	0.419	ng	# 84
22) Pentachlorophenol	16.45	266	319	0.387	ng	84
23) Phenanthrene	16.80	178	5250	0.397	ng	99
24) Anthracene	16.90	178	4497	0.384	ng	96
26) Fluoranthene	18.83	202	6363	0.346	ng	99
28) Pyrene	19.20	202	6468	0.379	ng	99
30) Benzo(a)anthracene	20.95	228	7293	0.387	ng	96
31) Chrysene	21.00	228	8337	0.412	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	7852	0.258	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.51	276	10589	0.435	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	8115	0.410	ng	# 89
36) Benzo(k)fluoranthene	22.57	252	9721	0.430	ng	94
37) Benzo(a)pyrene	23.11	252	8237	0.428	ng	# 92
38) Dibenzo(a,h)anthracene	25.52	278	8753	0.422	ng	# 95
39) Benzo(g,h,i)perylene	26.21	276	8832	0.438	ng	# 88

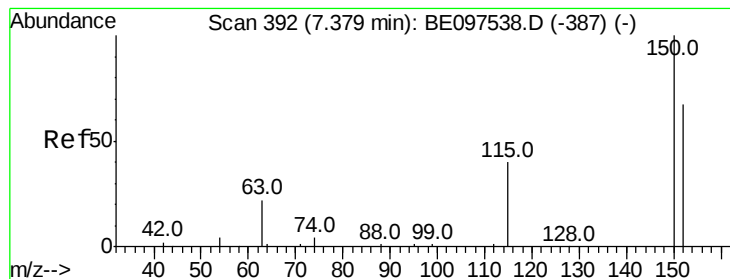
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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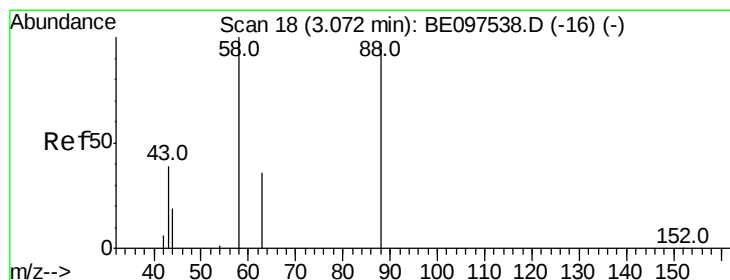
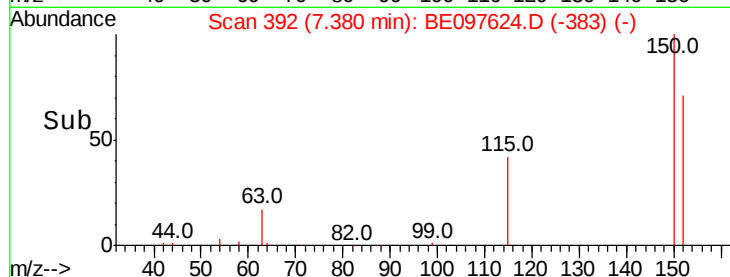
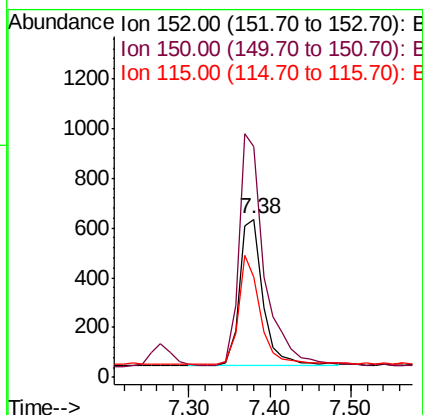
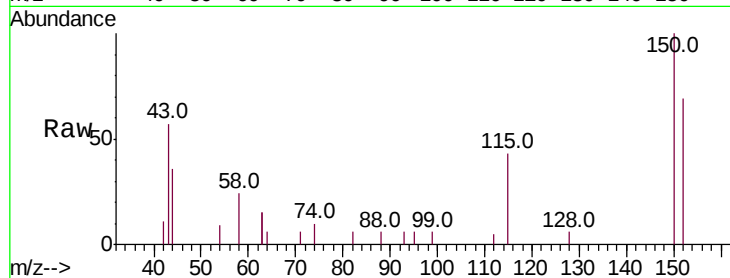


#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.38 min Scan# 392
 Delta R.T. 0.00 min
 Lab File: BE097624.D
 Acq: 21 Sep 2018 22:48

Instrument :
 BNA_E
 ClientSampleId :
 PB112996BSD

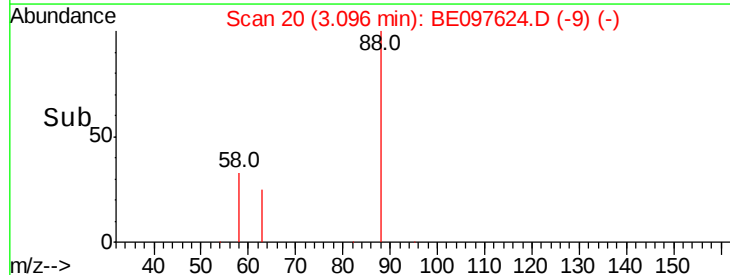
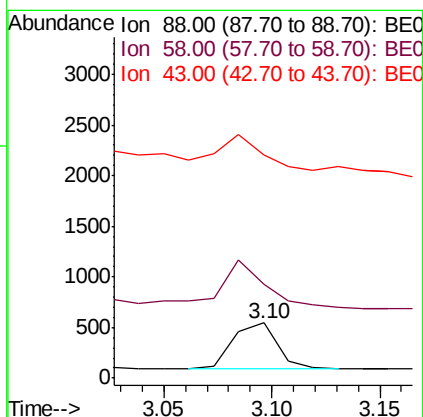
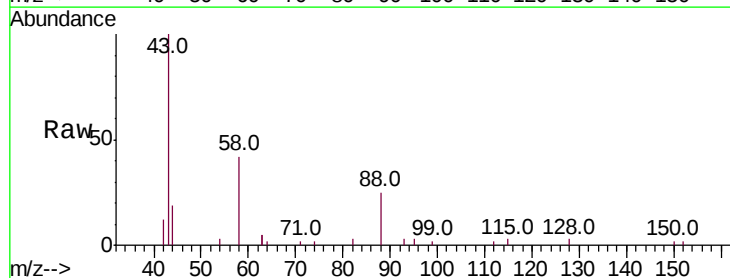
Tot Ion:152 Resp: 1198
 Ion Ratio Lower Upper
 152 100
 150 145.8 117.2 175.8
 115 63.1 57.0 85.6



#2

1,4-Dioxane
 Concen: 0.307 ng
 RT: 3.10 min Scan# 20
 Delta R.T. 0.02 min
 Lab File: BE097624.D
 Acq: 21 Sep 2018 22:48

Tgt Ion: 88 Resp: 647
 Ion Ratio Lower Upper
 88 100
 58 93.8 63.2 94.8
 43 75.1 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.326 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

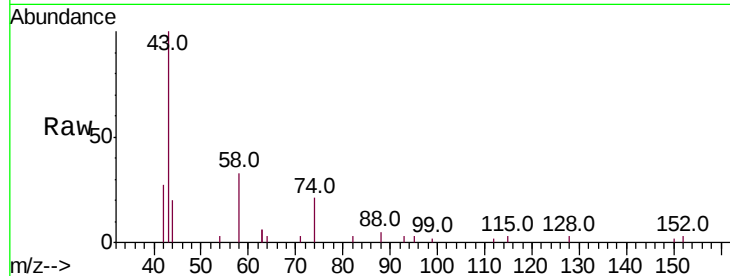
Tot Ion: 42 Resp: 562

Ion Ratio Lower Upper

42 100

74 138.3 96.0 144.0

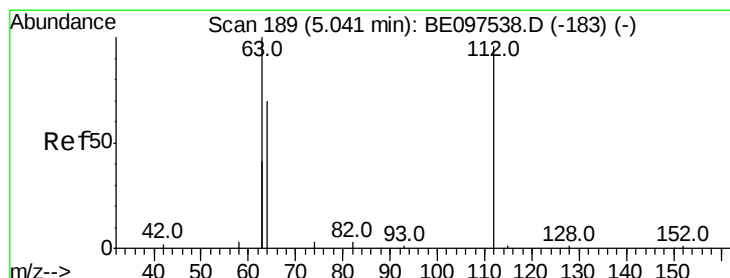
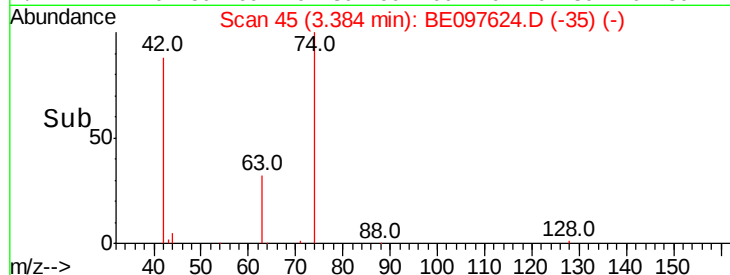
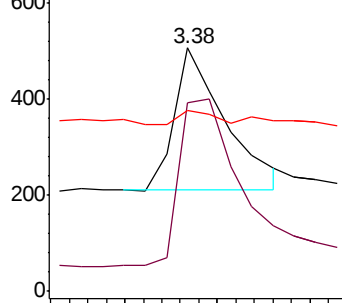
44 6.9 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.355 ng

RT: 5.07 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

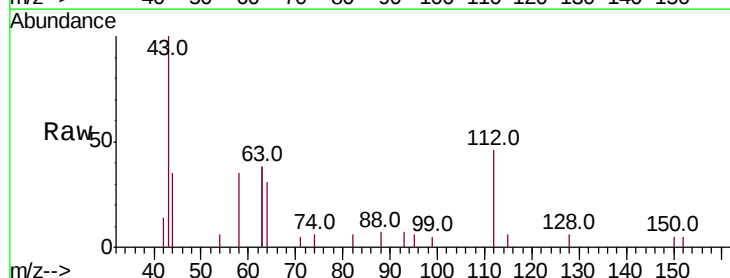
Tgt Ion: 112 Resp: 1274

Ion Ratio Lower Upper

112 100

64 67.2 60.1 90.1

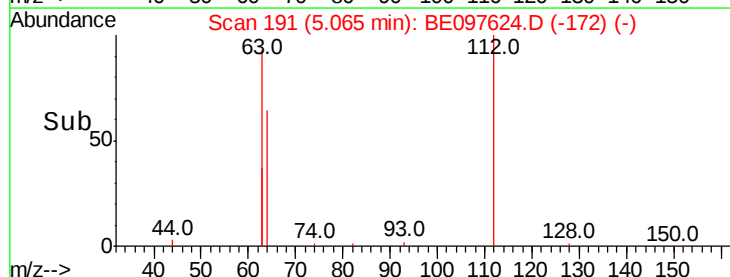
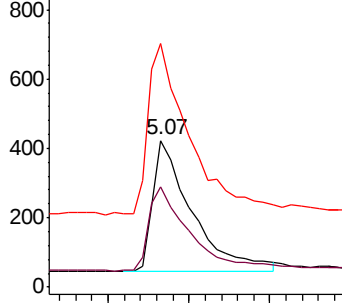
63 139.7 116.8 175.2

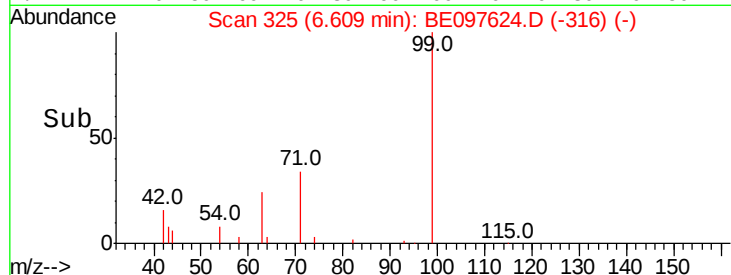
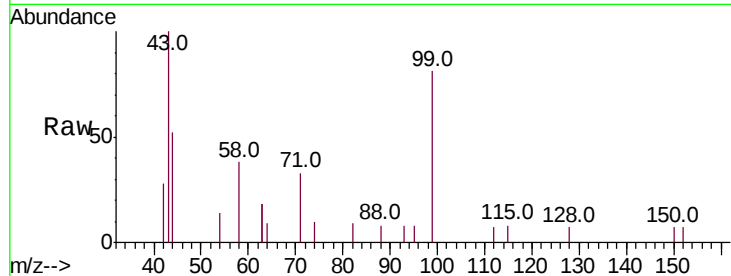
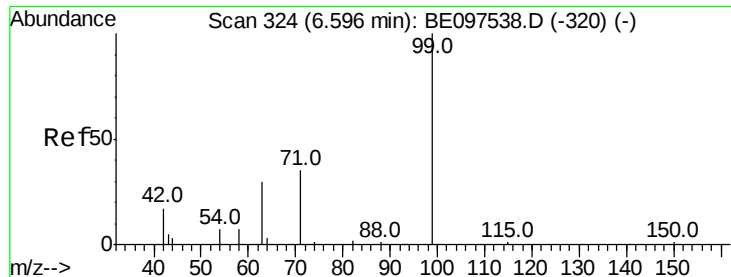


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.314 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

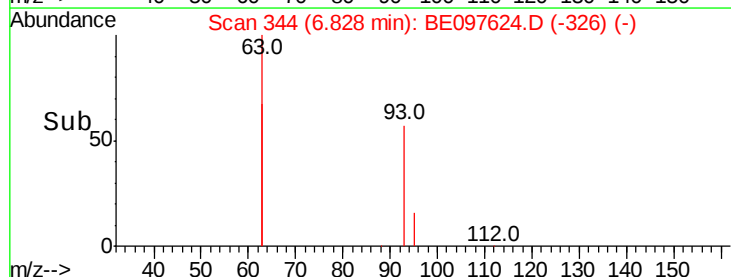
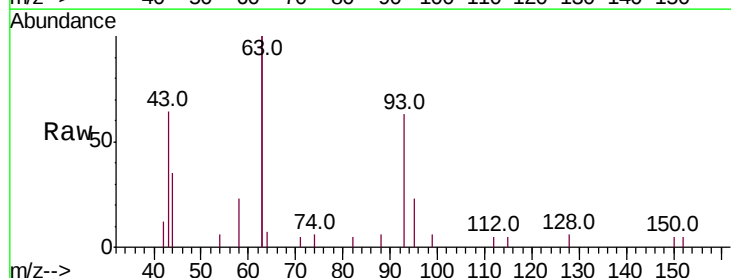
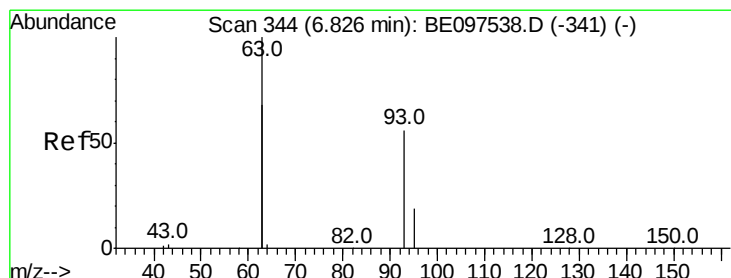
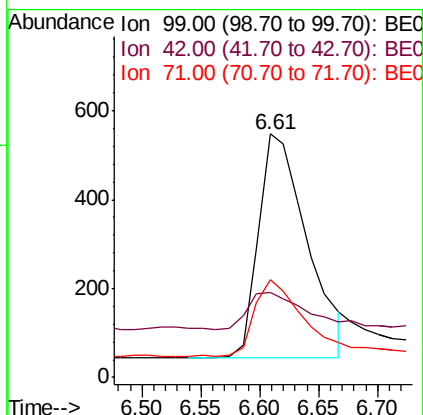
Tot Ion: 99 Resp: 1440

Ion Ratio Lower Upper

99 100

42 19.5 20.2 30.2#

71 33.6 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.319 ng

RT: 6.83 min Scan# 344

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

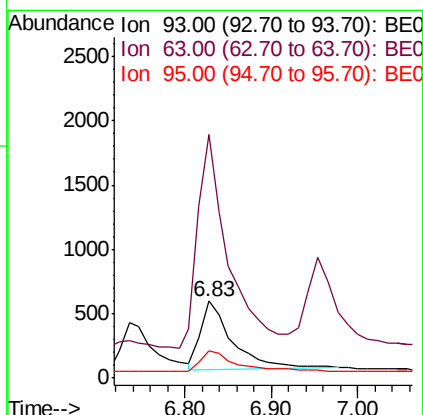
Tgt Ion: 93 Resp: 1357

Ion Ratio Lower Upper

93 100

63 294.8 275.3 412.9

95 33.3 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

Tot Ion:136 Resp: 5038

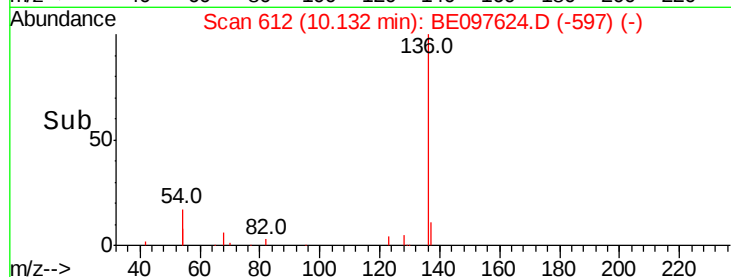
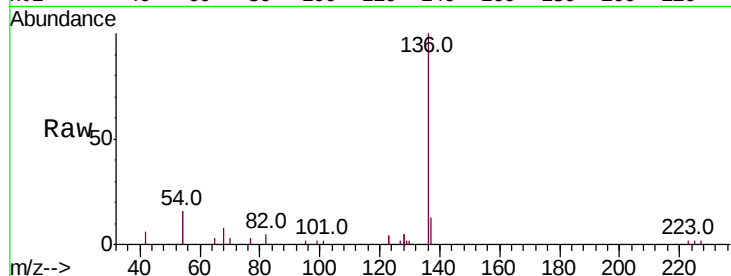
Ion Ratio Lower Upper

136 100

137 13.0 9.5 14.3

54 32.6 29.1 43.7

68 7.7 6.2 9.2

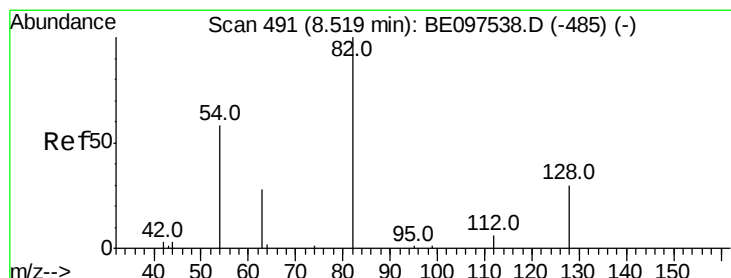
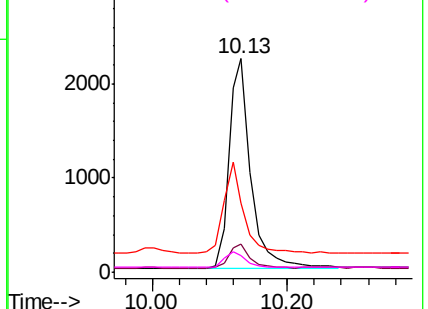


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.364 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

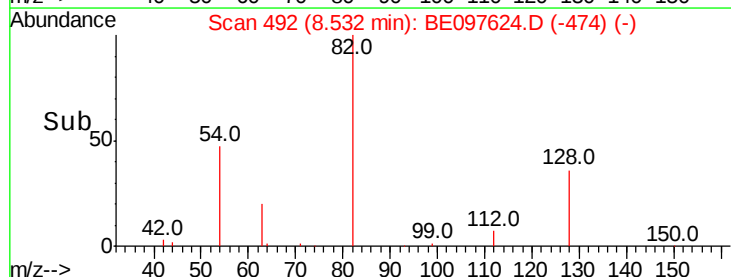
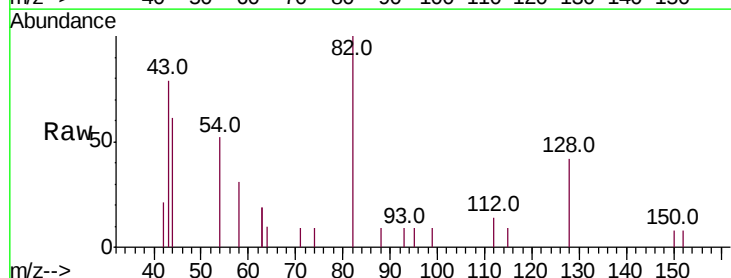
Tgt Ion: 82 Resp: 1418

Ion Ratio Lower Upper

82 100

128 42.0 24.0 36.0#

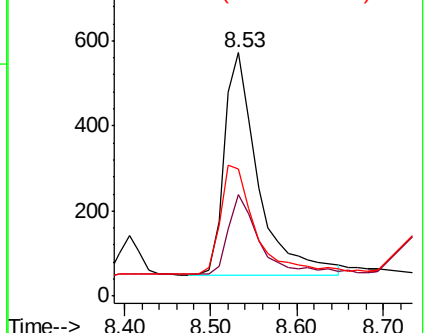
54 52.3 40.0 60.0

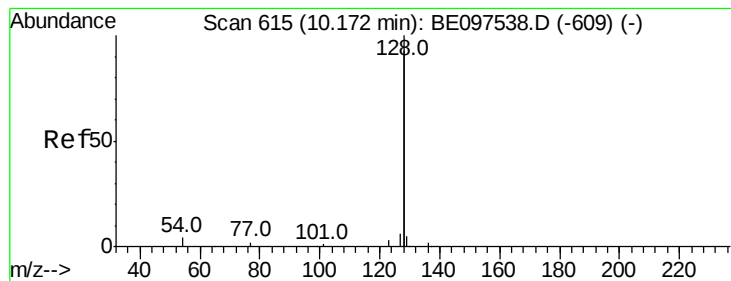


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.406 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097624.D

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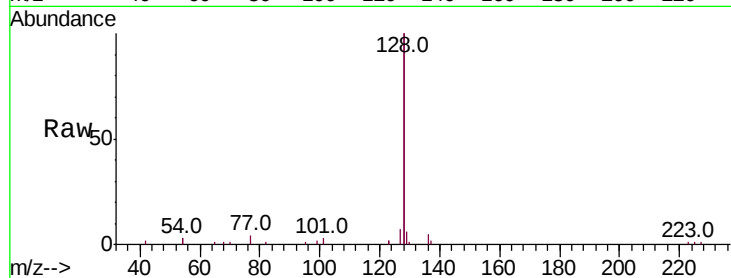
Tot Ion:128 Resp: 18431

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

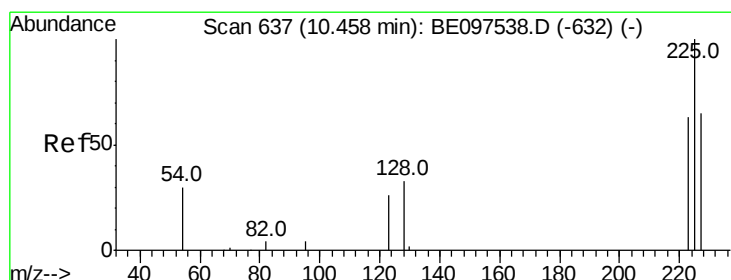
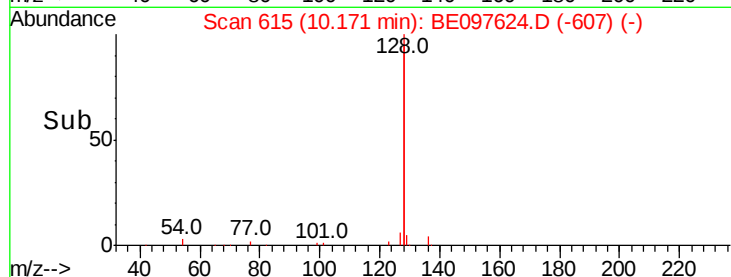
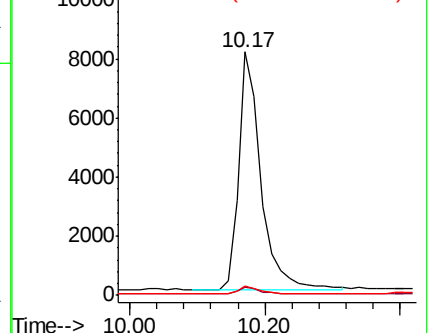
127 3.6 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.380 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

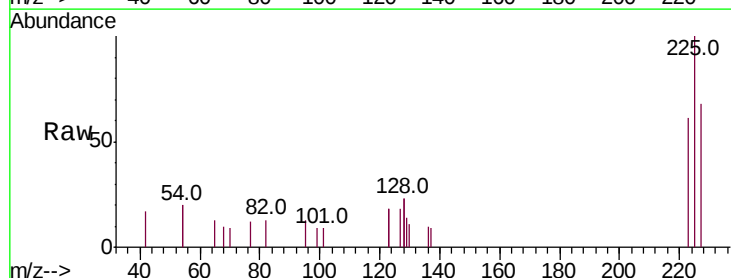
Tgt Ion:225 Resp: 794

Ion Ratio Lower Upper

225 100

223 59.8 53.0 79.6

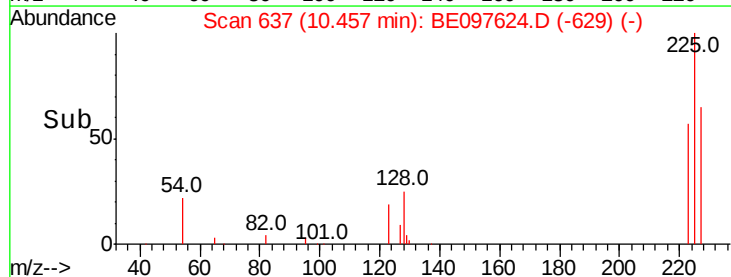
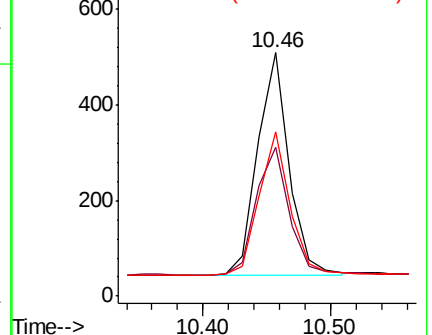
227 63.5 51.4 77.2

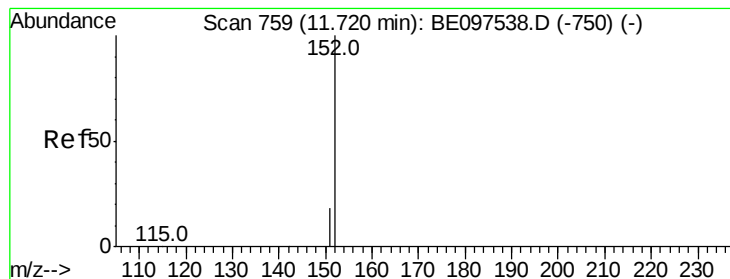


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.516 ng

RT: 11.72 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

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ClientSampleId :

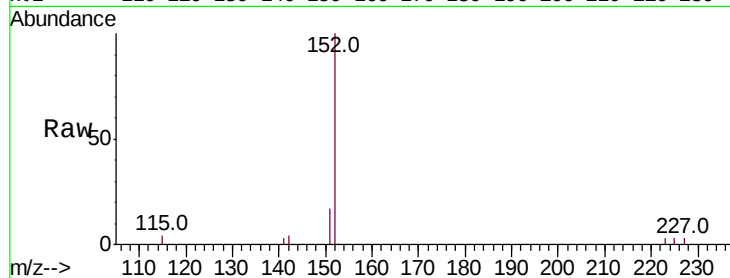
PB112996BSD

Tot Ion:152 Resp: 3586

Ion Ratio Lower Upper

152 100

151 14.9 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.72

1500

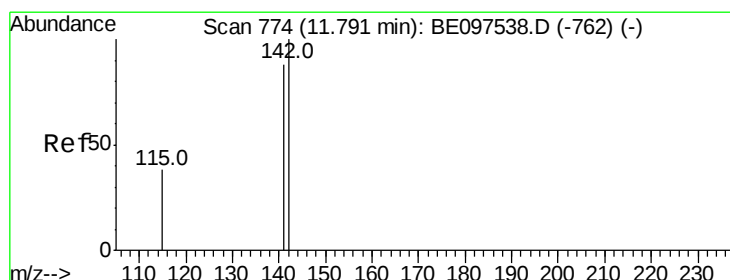
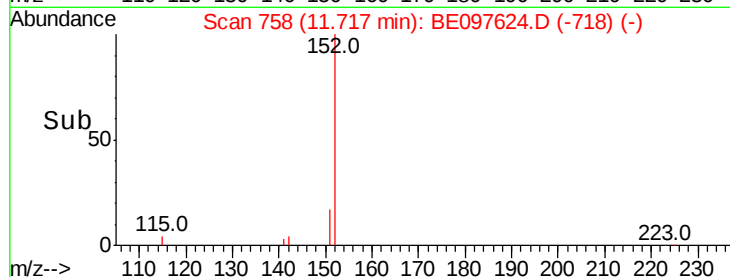
1000

500

0

Time-->

11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.385 ng

RT: 11.79 min Scan# 774

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

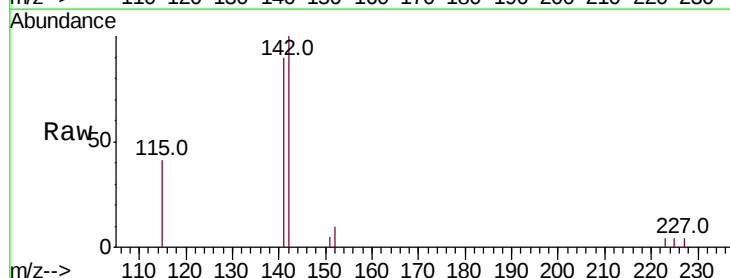
Tgt Ion:142 Resp: 2723

Ion Ratio Lower Upper

142 100

141 89.8 70.4 105.6

115 41.4 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.79

1500

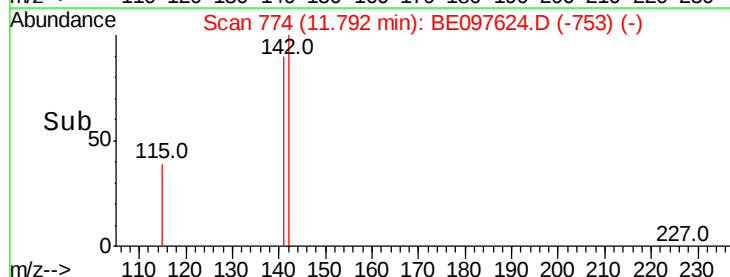
1000

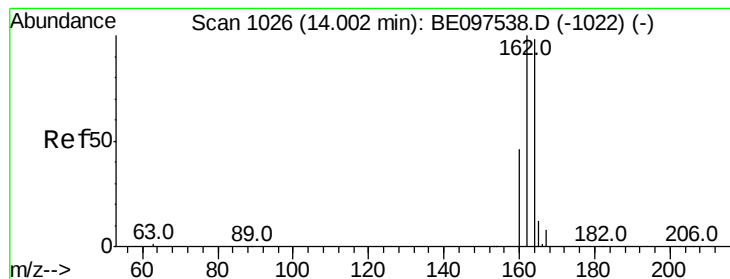
500

0

Time-->

11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

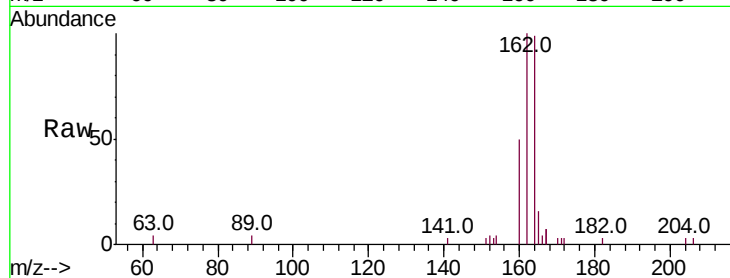
Tot Ion:164 Resp: 2426

Ion Ratio Lower Upper

164 100

162 100.8 83.1 124.7

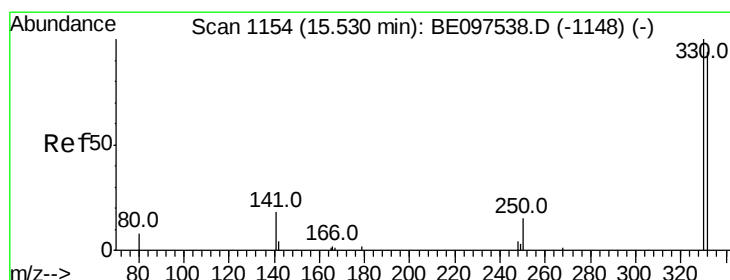
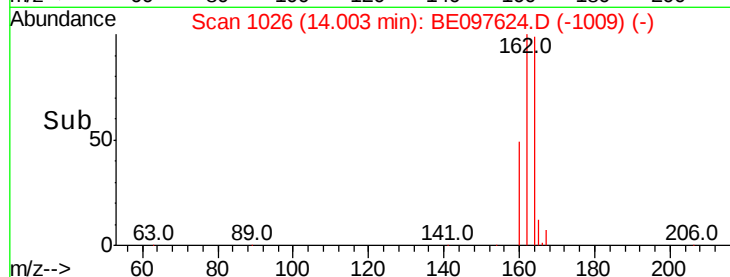
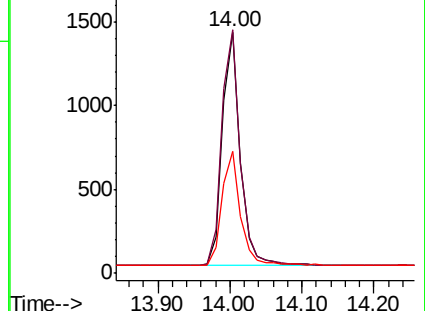
160 50.7 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.277 ng

RT: 15.53 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

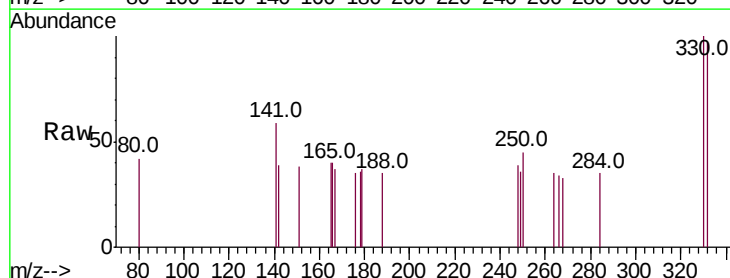
Tgt Ion:330 Resp: 213

Ion Ratio Lower Upper

330 100

332 90.1 152.7 229.1#

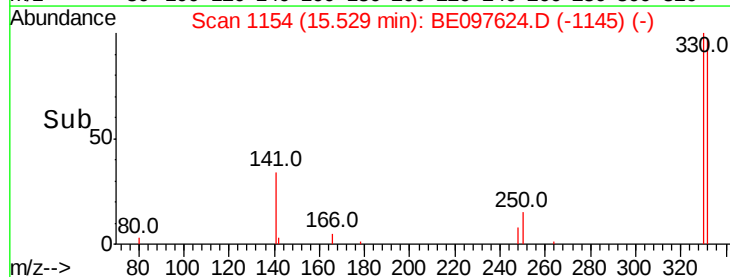
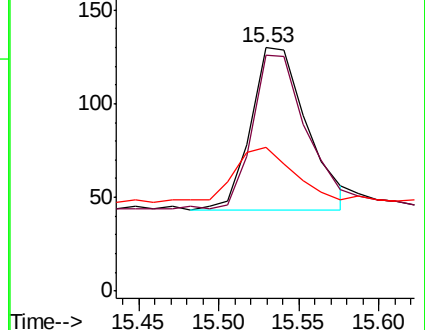
141 37.6 33.7 50.5

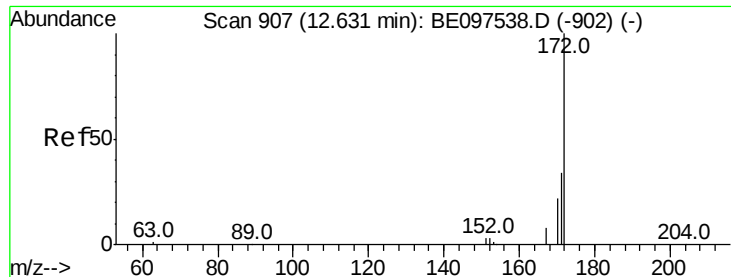


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

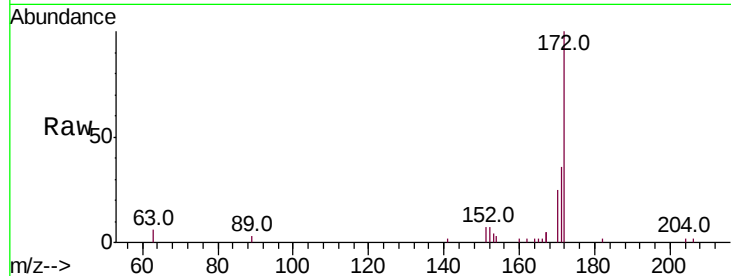




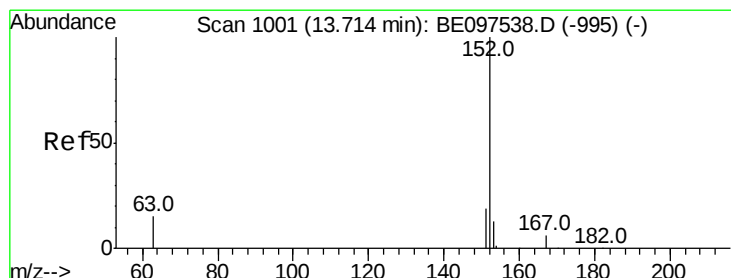
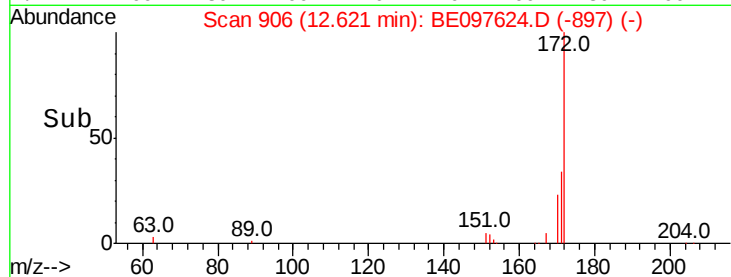
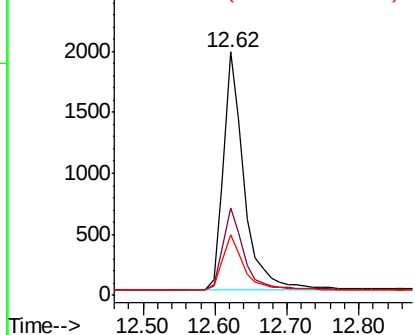
#15
2-Fluorobiphenyl
Concen: 0.457 ng
RT: 12.62 min Scan# 906
Delta R.T. 0.00 min
Lab File: BE097624.D
Acq: 21 Sep 2018 22:48

Instrument :
BNA_E
ClientSampleId :
PB112996BSD

Tot Ion:172 Resp: 3917
Ion Ratio Lower Upper
172 100
171 35.8 29.9 44.9
170 25.1 21.8 32.8

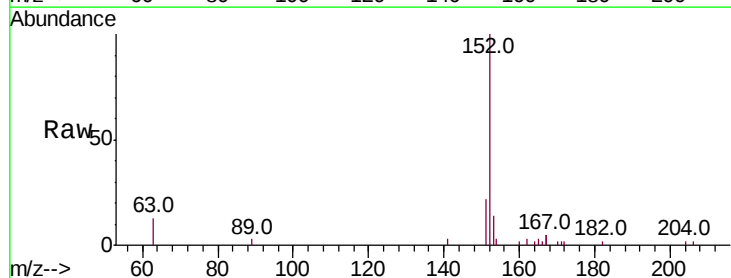


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

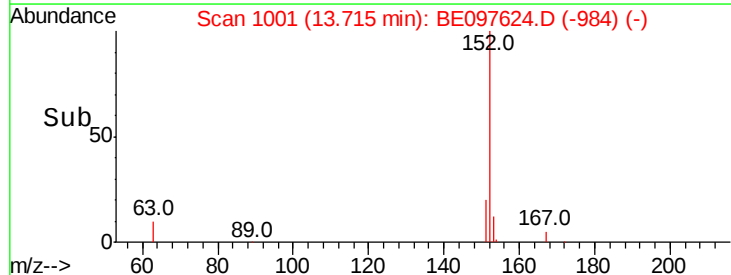
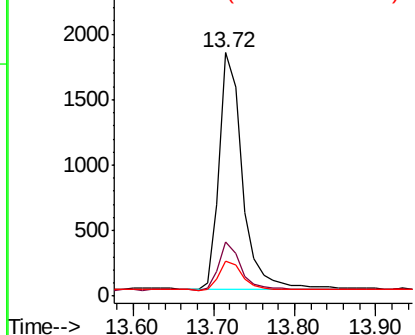


#16
Acenaphthylene
Concen: 0.377 ng
RT: 13.72 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BE097624.D
Acq: 21 Sep 2018 22:48

Tgt Ion:152 Resp: 3613
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 12.7 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.379 ng

RT: 14.06 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

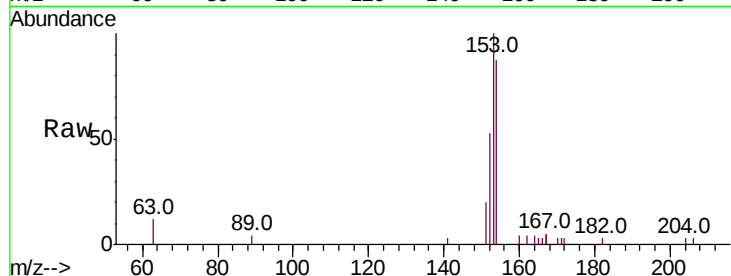
Tot Ion:154 Resp: 2437

Ion Ratio Lower Upper

154 100

153 114.1 89.2 133.8

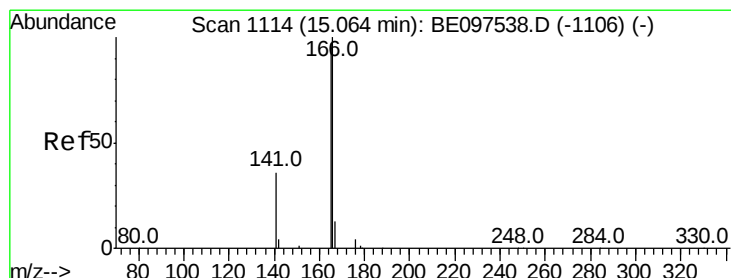
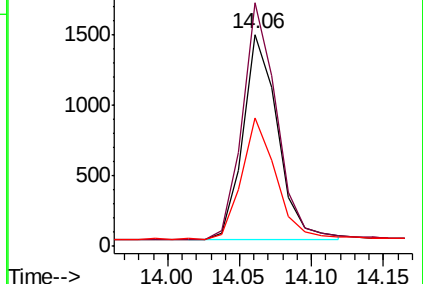
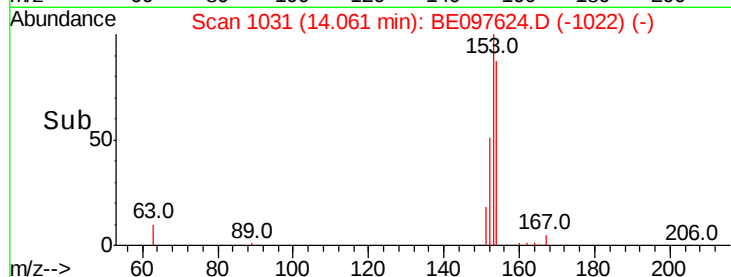
152 58.2 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.371 ng

RT: 15.06 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

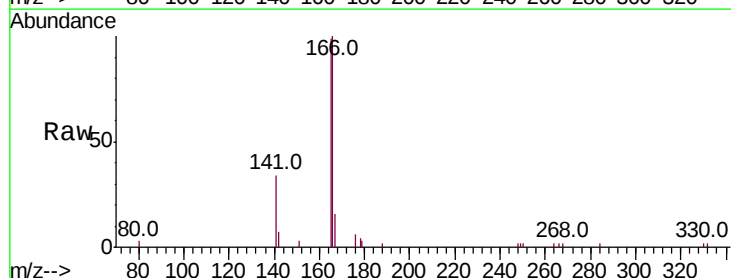
Tgt Ion:166 Resp: 3107

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.6

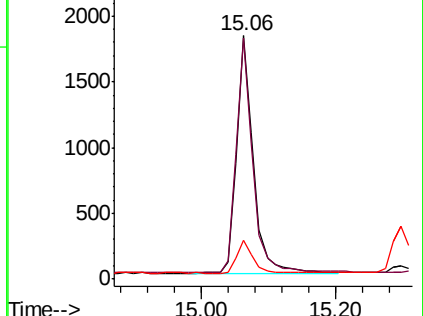
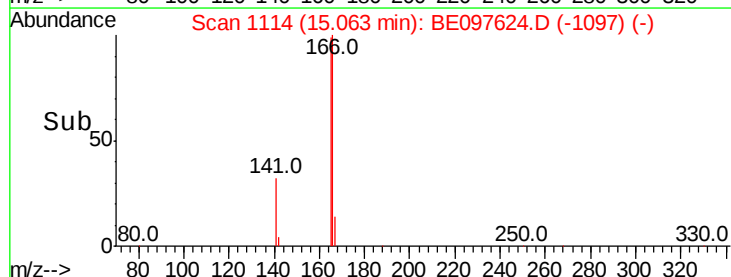
167 13.5 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1260

Delta R.T. 0.01 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

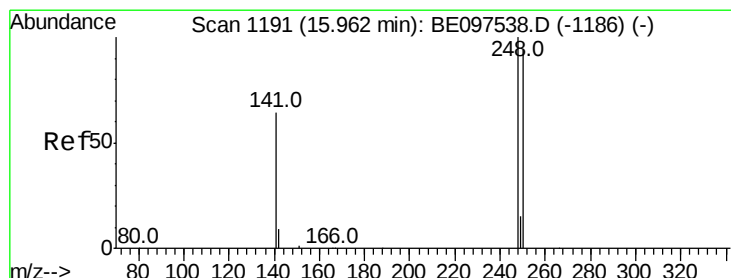
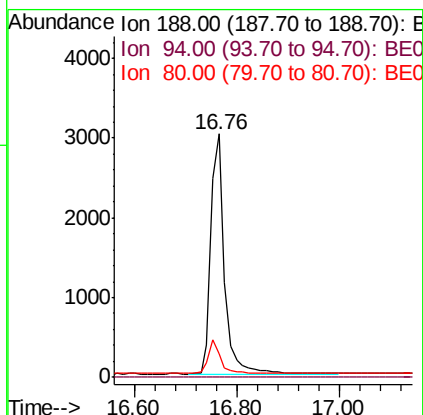
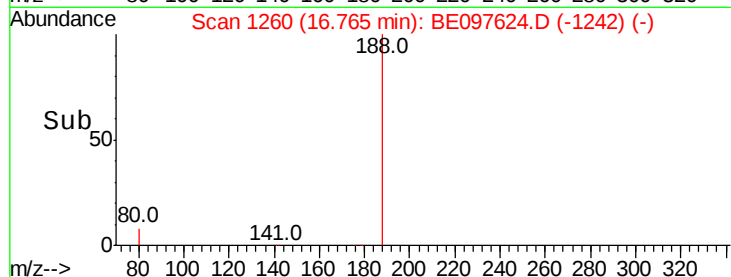
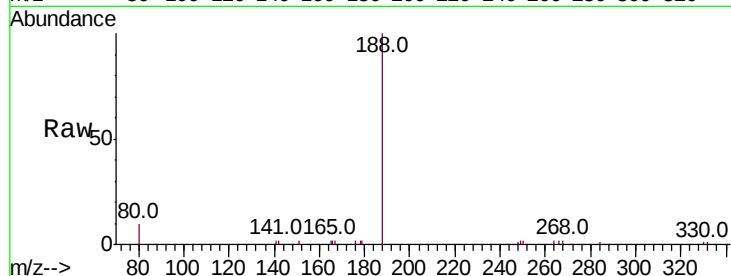
Tot Ion:188 Resp: 5576

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 9.8 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.385 ng

RT: 15.96 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

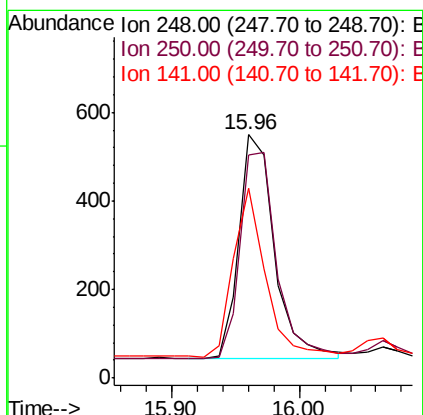
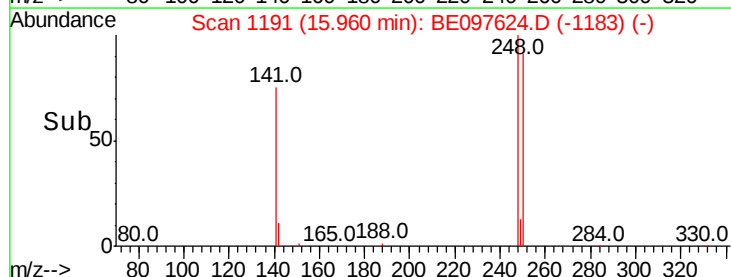
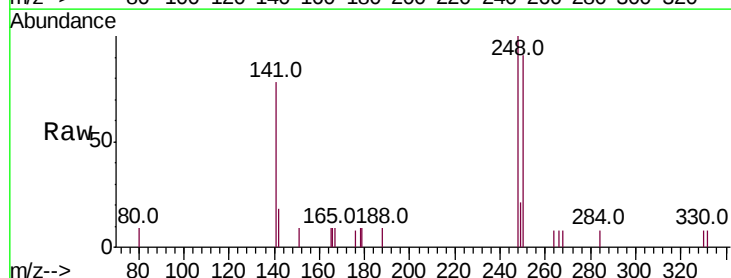
Tgt Ion:248 Resp: 967

Ion Ratio Lower Upper

248 100

250 91.5 62.7 94.1

141 78.2 48.2 72.2#

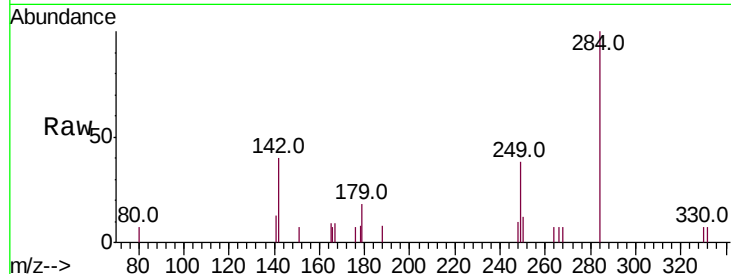




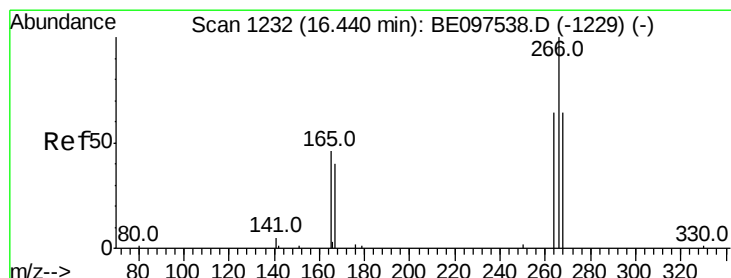
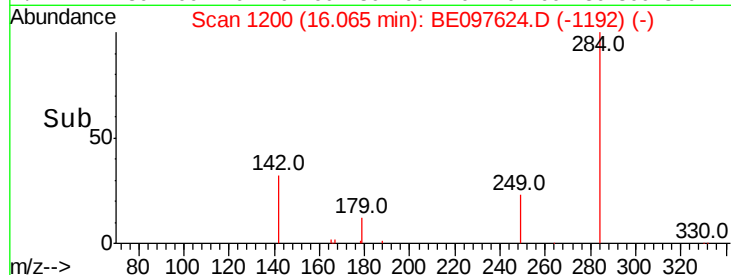
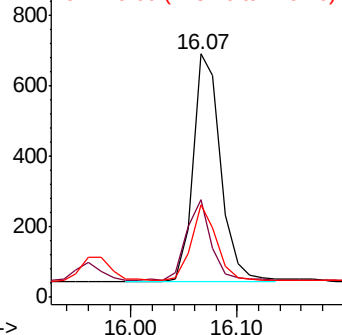
#21
Hexachlorobenzene
Concen: 0.419 ng
RT: 16.07 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BE097624.D
Acq: 21 Sep 2018 22:48

Instrument :
BNA_E
ClientSampleId :
PB112996BSD

Tot Ion:284 Resp: 1159
Ion Ratio Lower Upper
284 100
142 31.8 22.1 33.1
249 30.0 34.8 52.2#

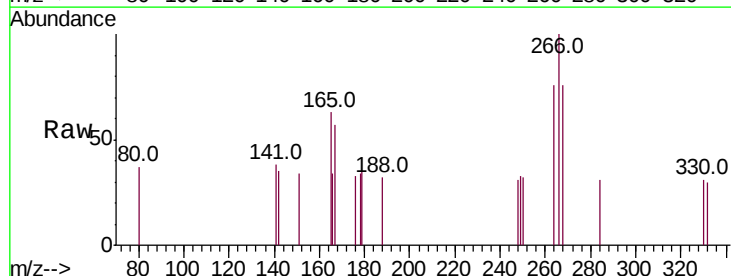


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

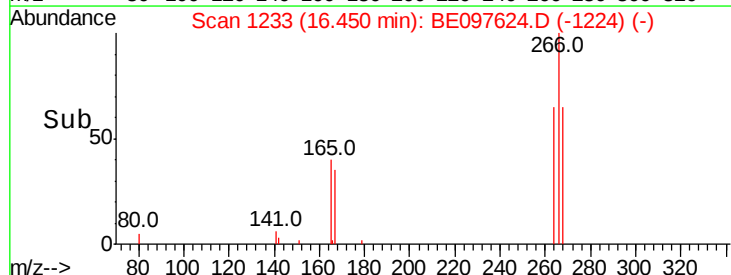
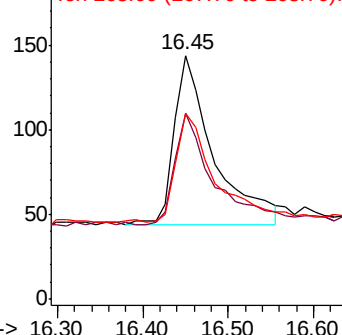


#22
Pentachlorophenol
Concen: 0.387 ng
RT: 16.45 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BE097624.D
Acq: 21 Sep 2018 22:48

Tgt Ion:266 Resp: 319
Ion Ratio Lower Upper
266 100
264 76.4 72.5 108.7
268 76.4 73.8 110.6



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.397 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

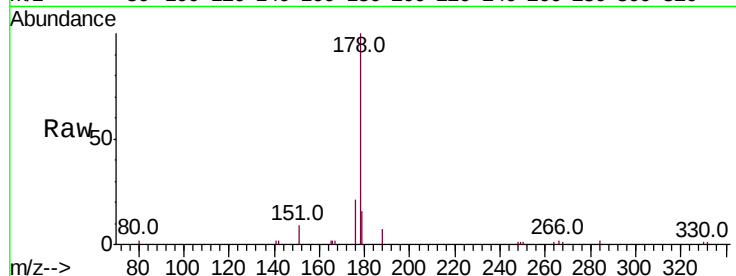
Tot Ion:178 Resp: 5250

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

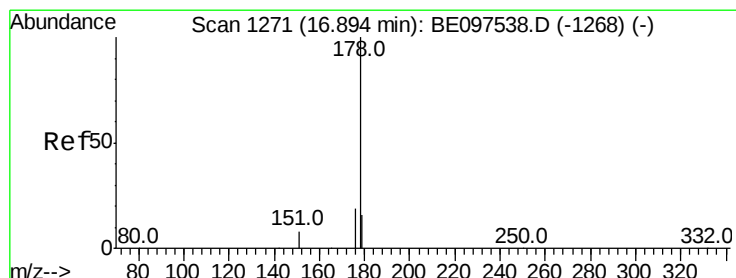
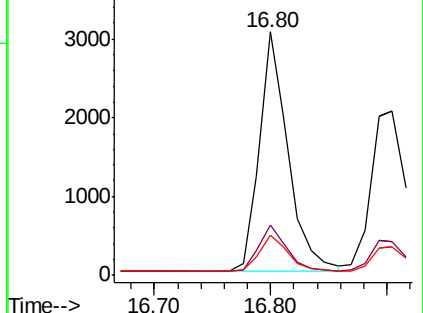
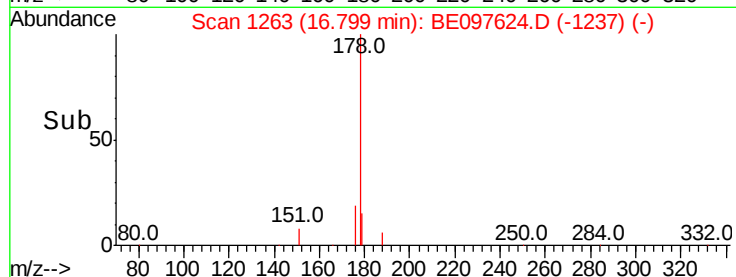
179 15.4 11.8 17.6



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



#24

Anthracene

Concen: 0.384 ng

RT: 16.90 min Scan# 1272

Delta R.T. 0.01 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

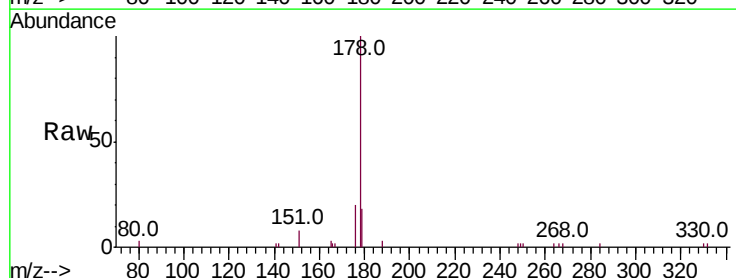
Tgt Ion:178 Resp: 4497

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

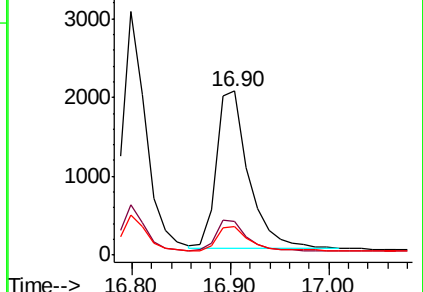
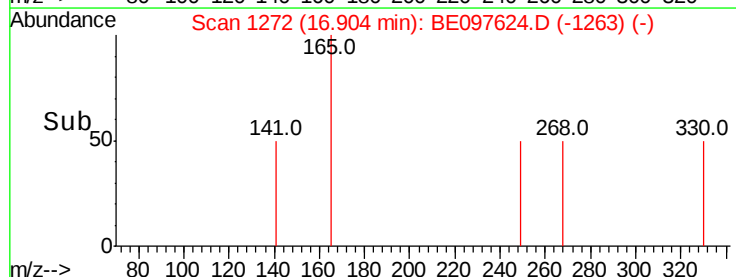
179 15.3 13.0 19.6



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





#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 18.80 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

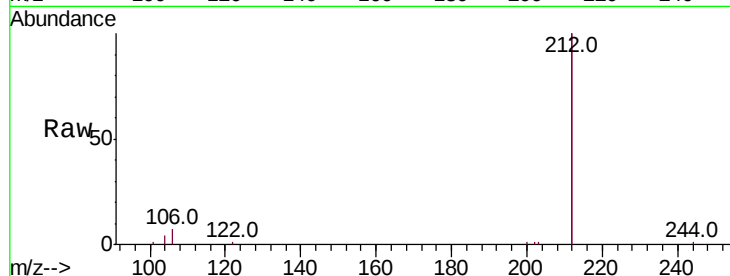
Tot Ion:212 Resp: 26338

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

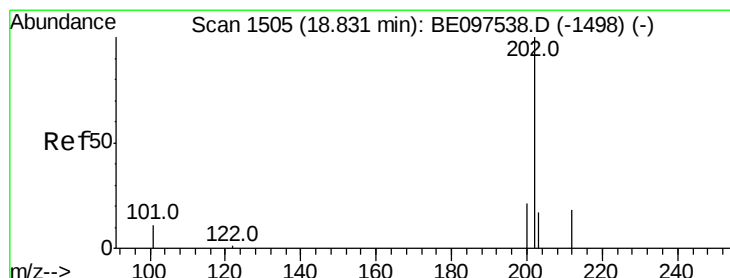
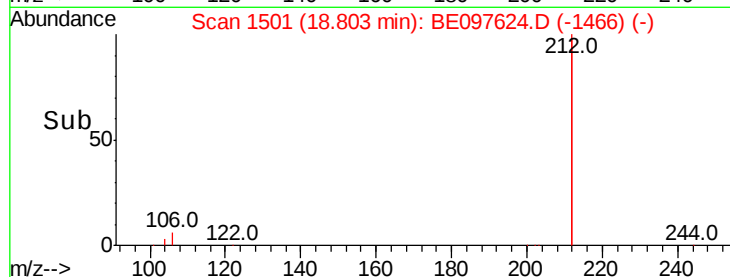
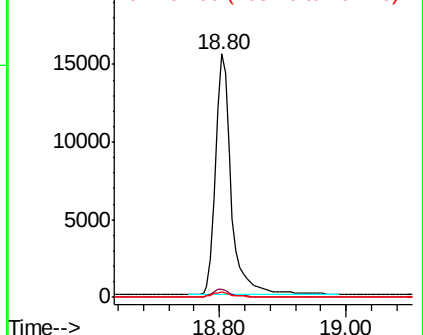
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.346 ng

RT: 18.83 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

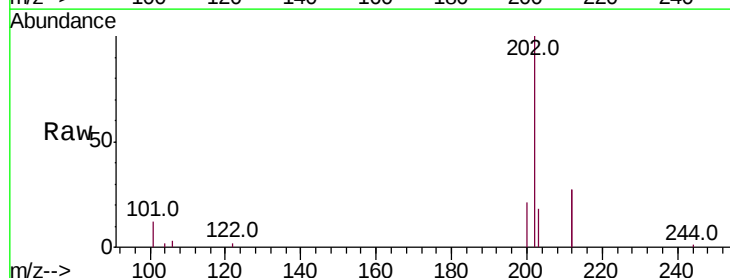
Tgt Ion:202 Resp: 6363

Ion Ratio Lower Upper

202 100

101 11.3 9.8 14.8

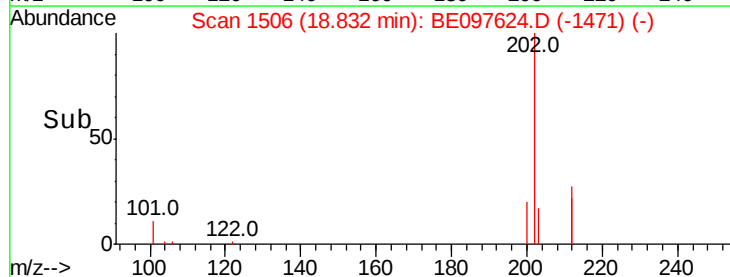
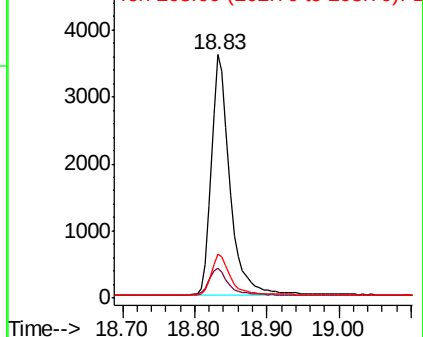
203 17.2 13.7 20.5



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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

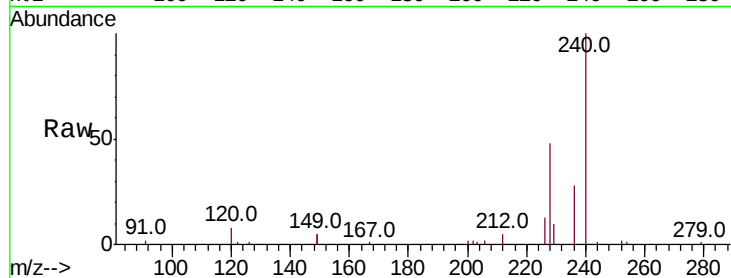
Tot Ion:240 Resp: 7492

Ion Ratio Lower Upper

240 100

120 8.3 5.5 8.3

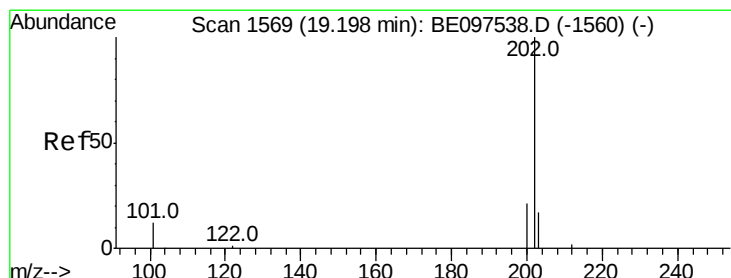
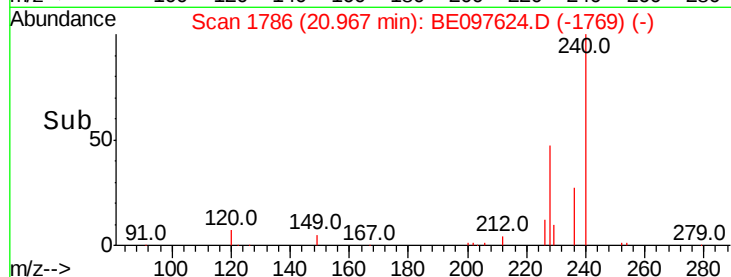
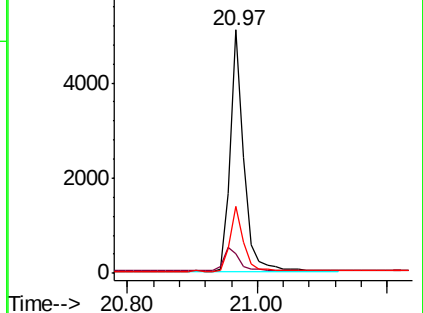
236 27.6 20.7 31.1



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



#28

Pyrene

Concen: 0.379 ng

RT: 19.20 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

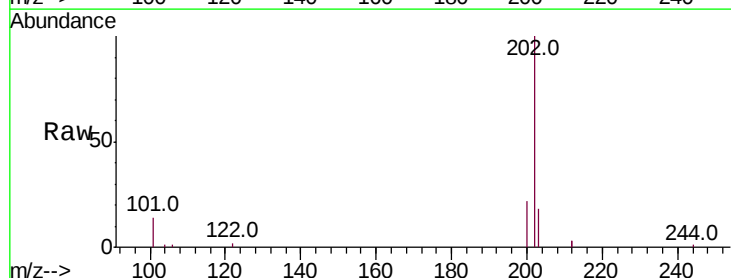
Tgt Ion:202 Resp: 6468

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

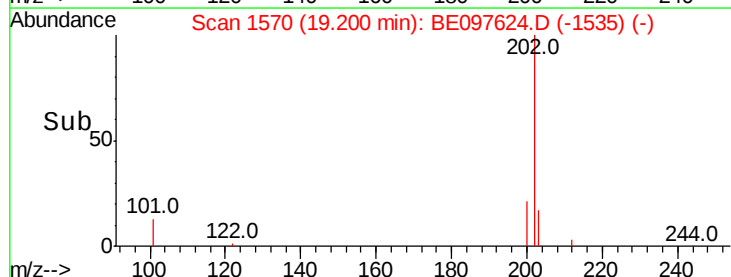
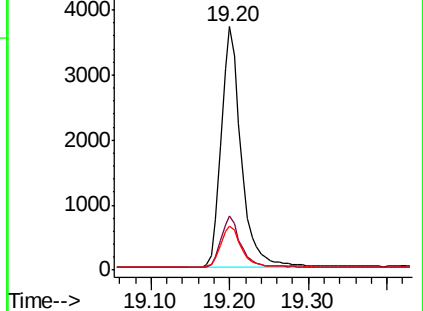
203 17.9 13.8 20.8



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





#29

Terphenyl-d14

Concen: 0.339 ng

RT: 19.42 min Scan# 1608

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

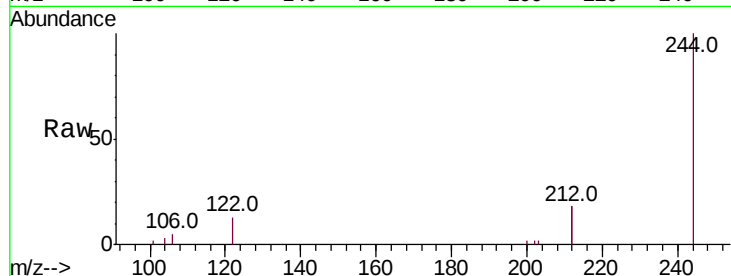
Tot Ion:244 Resp: 4643

Ion Ratio Lower Upper

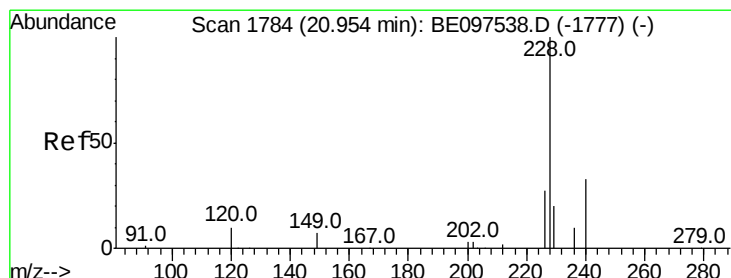
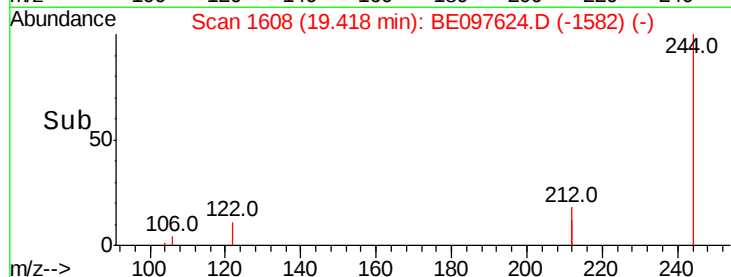
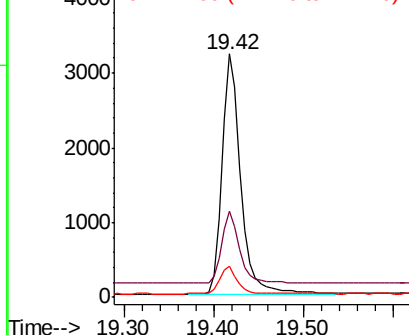
244 100

212 35.5 25.4 38.0

122 12.6 8.1 12.1#



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



#30

Benzo(a)anthracene

Concen: 0.387 ng

RT: 20.95 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

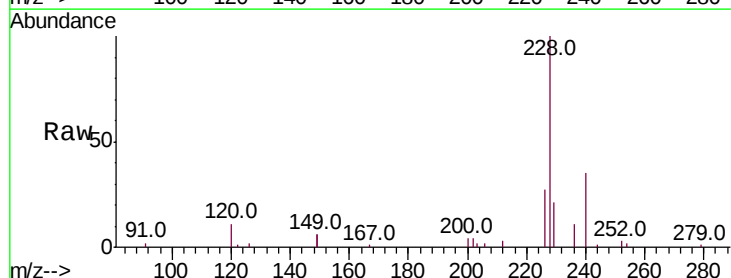
Tgt Ion:228 Resp: 7293

Ion Ratio Lower Upper

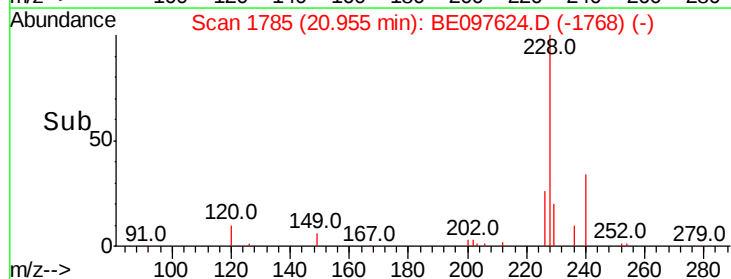
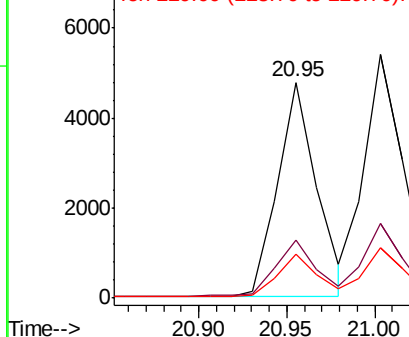
228 100

226 27.1 24.0 36.0

229 20.7 16.0 24.0



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





#31

Chrysene

Concen: 0.412 ng

RT: 21.00 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

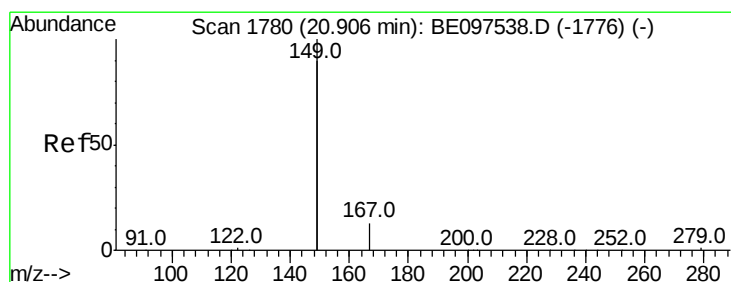
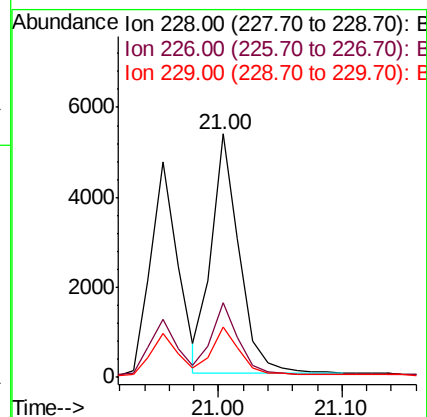
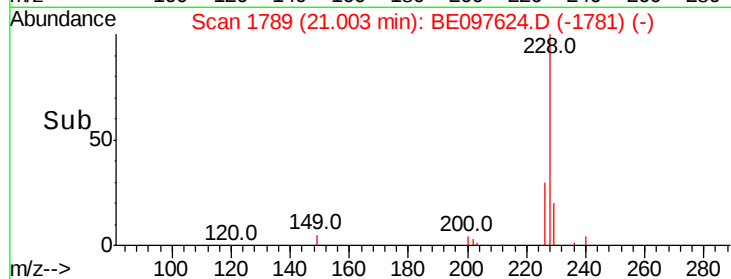
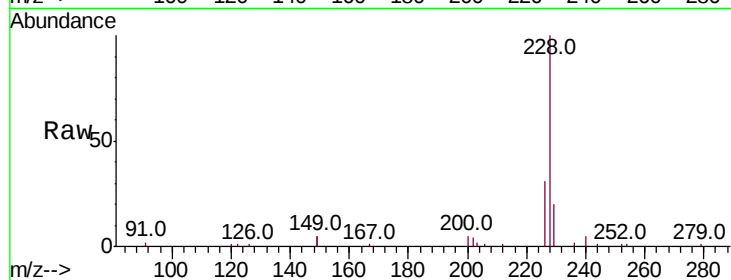
BNA_E

ClientSampleId :

PB112996BSD

Tot Ion:228 Resp: 8337

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	20.5	16.0	24.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.258 ng

RT: 20.91 min Scan# 1781

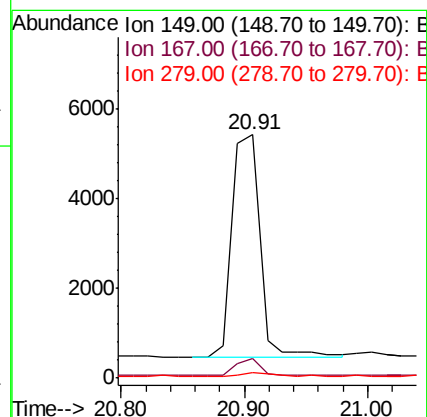
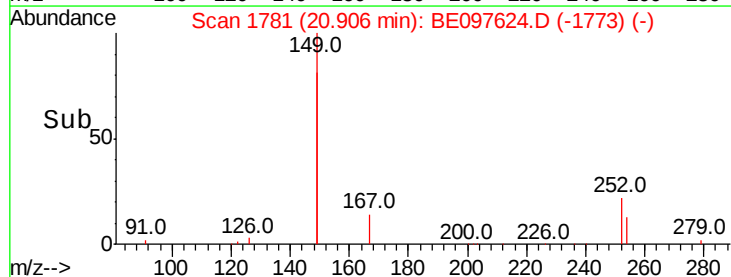
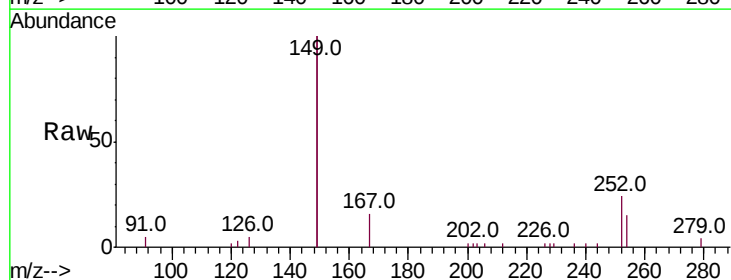
Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Tgt Ion:149 Resp: 7852

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.2	0.7	1.1#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.435 ng

RT: 25.51 min Scan# 2845

Delta R.T. 0.01 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

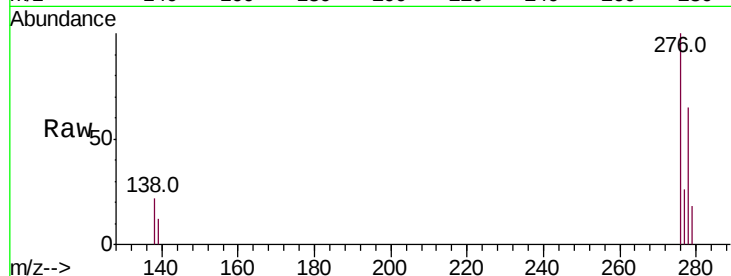
Tot Ion:276 Resp: 10589

Ion Ratio Lower Upper

276 100

138 21.2 22.5 33.7#

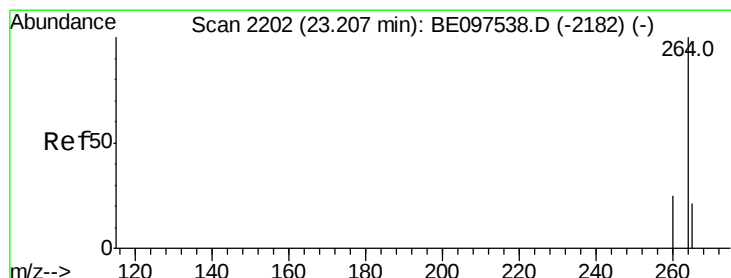
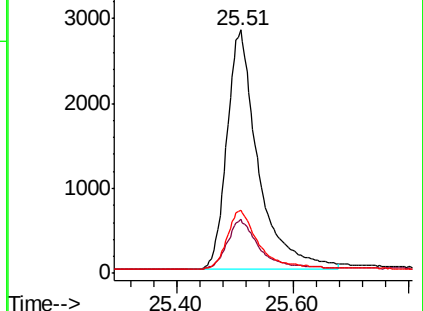
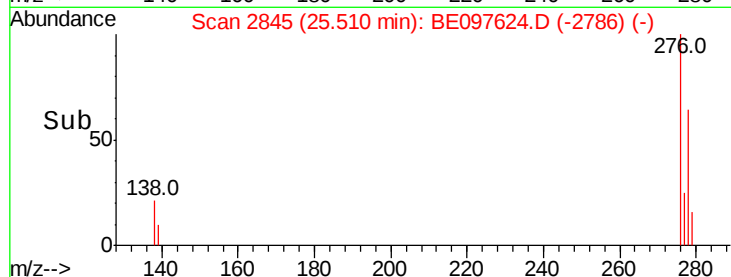
277 25.1 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

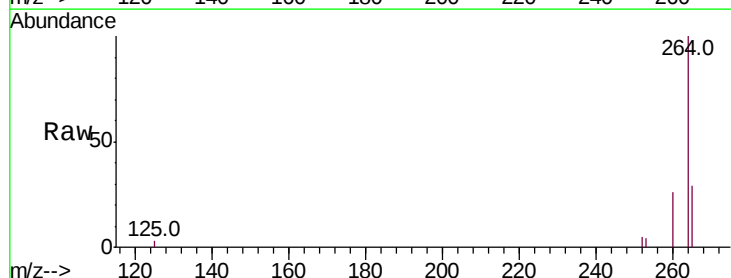
Tgt Ion:264 Resp: 7723

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

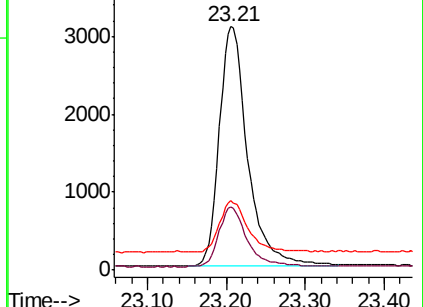
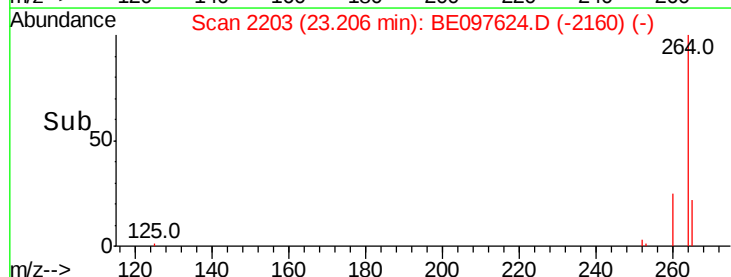
265 28.7 22.8 34.2



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

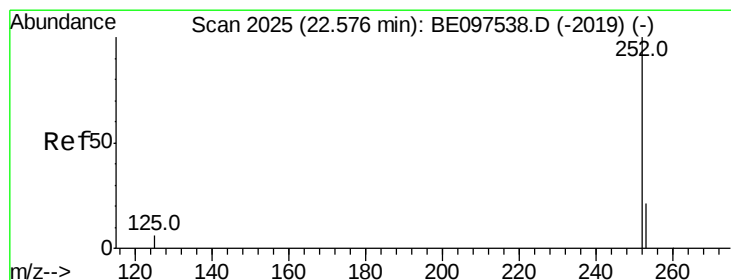
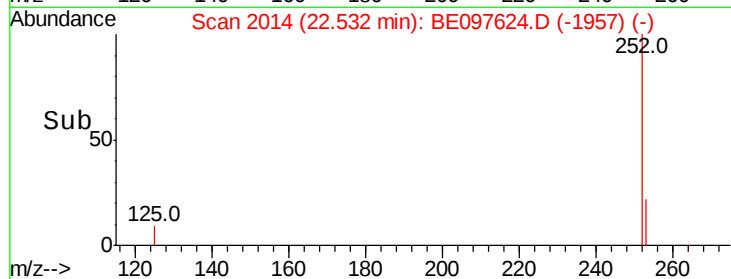
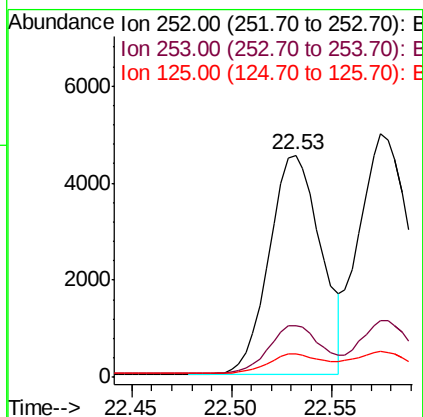
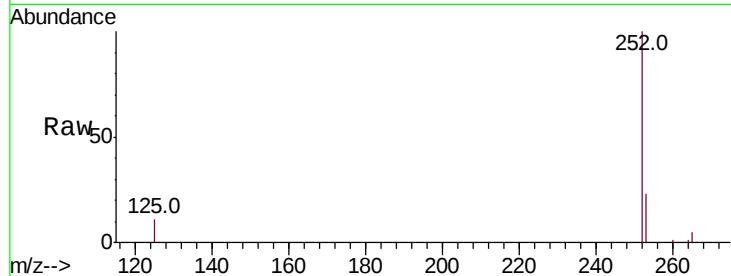




#35
Benzo(b)fluoranthene
Concen: 0.410 ng
RT: 22.53 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BE097624.D
Acq: 21 Sep 2018 22:48

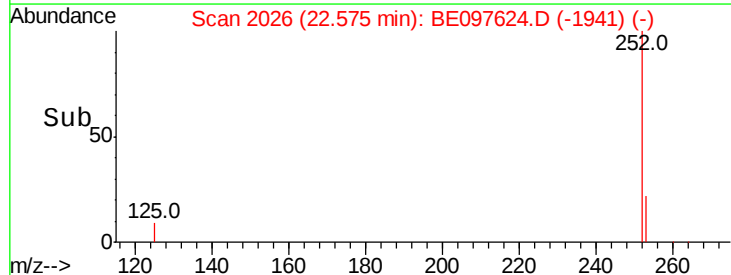
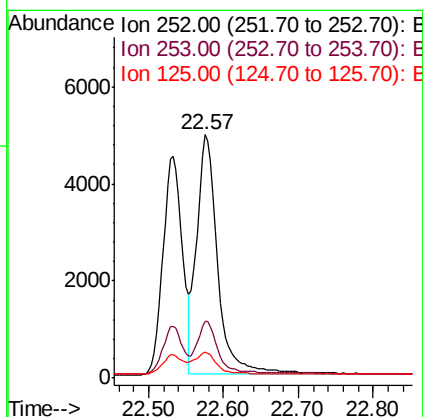
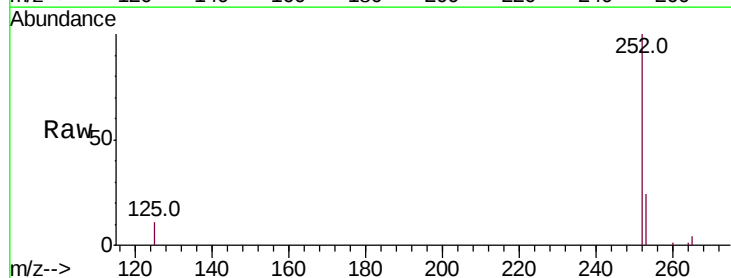
Instrument :
BNA_E
ClientSampleId :
PB112996BSD

Tot Ion:252 Resp: 8115
Ion Ratio Lower Upper
252 100
253 23.5 20.0 30.0
125 10.5 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.430 ng
RT: 22.57 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BE097624.D
Acq: 21 Sep 2018 22:48

Tgt Ion:252 Resp: 9721
Ion Ratio Lower Upper
252 100
253 23.5 16.0 24.0
125 10.8 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.428 ng

RT: 23.11 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

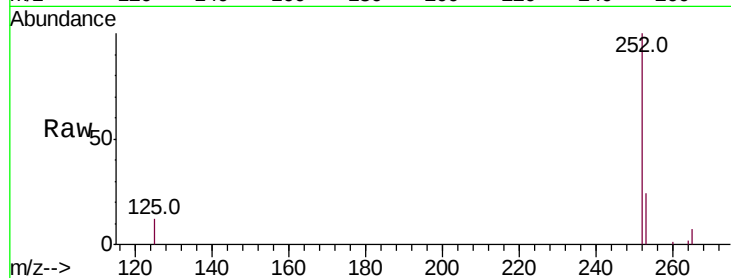
Tot Ion:252 Resp: 8237

Ion Ratio Lower Upper

252 100

253 24.3 16.0 24.0#

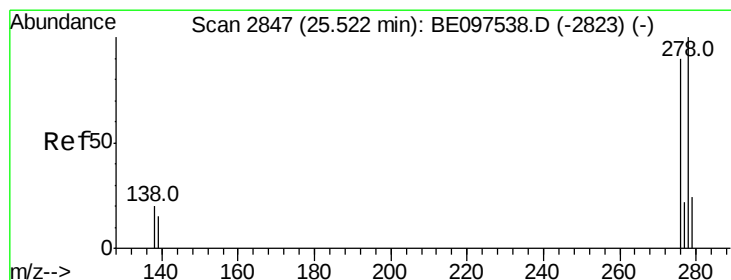
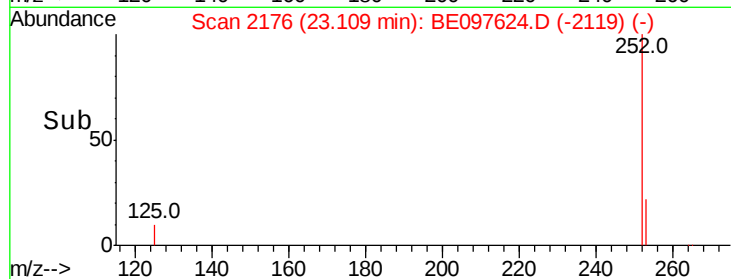
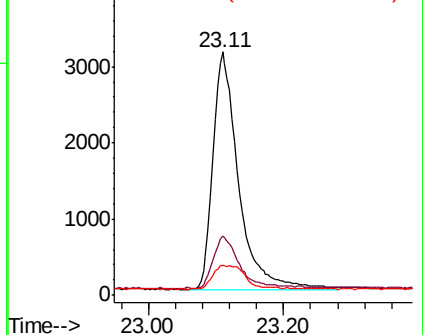
125 12.3 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.422 ng

RT: 25.52 min Scan# 2849

Delta R.T. 0.01 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

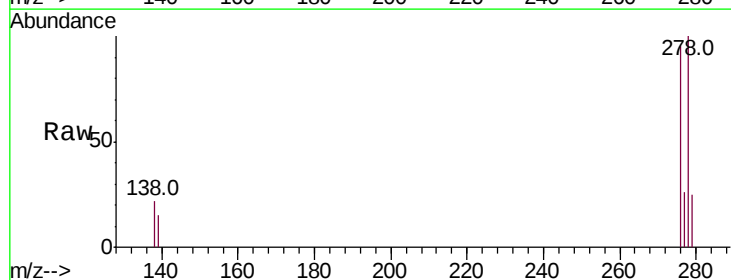
Tgt Ion:278 Resp: 8753

Ion Ratio Lower Upper

278 100

139 15.5 16.0 24.0#

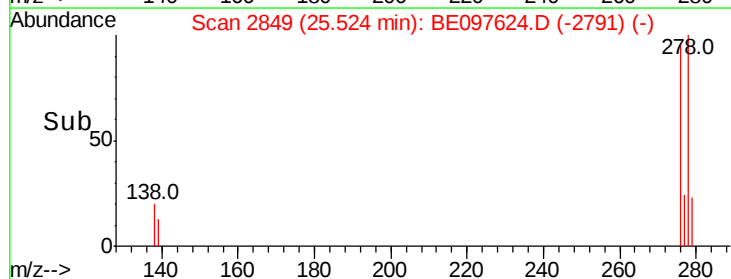
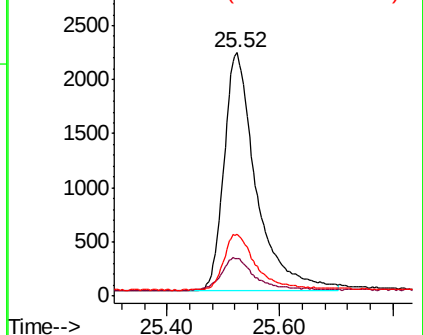
279 25.4 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.438 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.01 min

Lab File: BE097624.D

Acq: 21 Sep 2018 22:48

Instrument :

BNA_E

ClientSampleId :

PB112996BSD

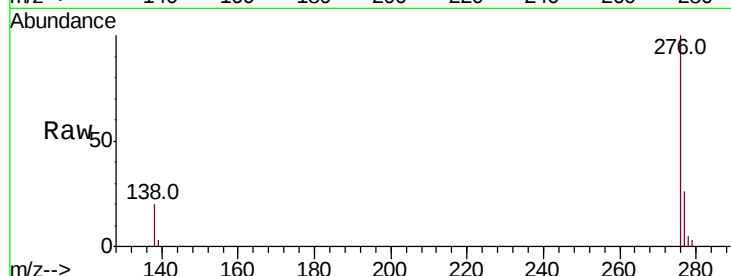
Tot Ion:276 Resp: 8832

Ion Ratio Lower Upper

276 100

277 25.9 16.0 24.0#

138 19.6 20.0 30.0#



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

