

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092018\
 Data File : BE097605.D
 Acq On : 21 Sep 2018 11:04
 Operator : SJ/JU
 Sample : PB112986BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB112986BS

Quant Time: Sep 21 13:26:03 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	7.37	152	1079	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	4640	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	2301	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5396	0.40	ng	0.00
27) Chrysene-d12	20.97	240	7228	0.40	ng	0.00
34) Perylene-d12	23.20	264	7766	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.07	112	1323	0.41	ng	0.01
5) Phenol-d6	6.61	99	1524	0.37	ng	0.00
8) Nitrobenzene-d5	8.52	82	1433	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	11.71	152	3550	0.56	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	256	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3683	0.45	ng	0.00
25) Fluoranthene-d10	18.80	212	25073	0.36	ng	0.00
29) Terphenyl-d14	19.41	244	4428	0.33	ng	0.00

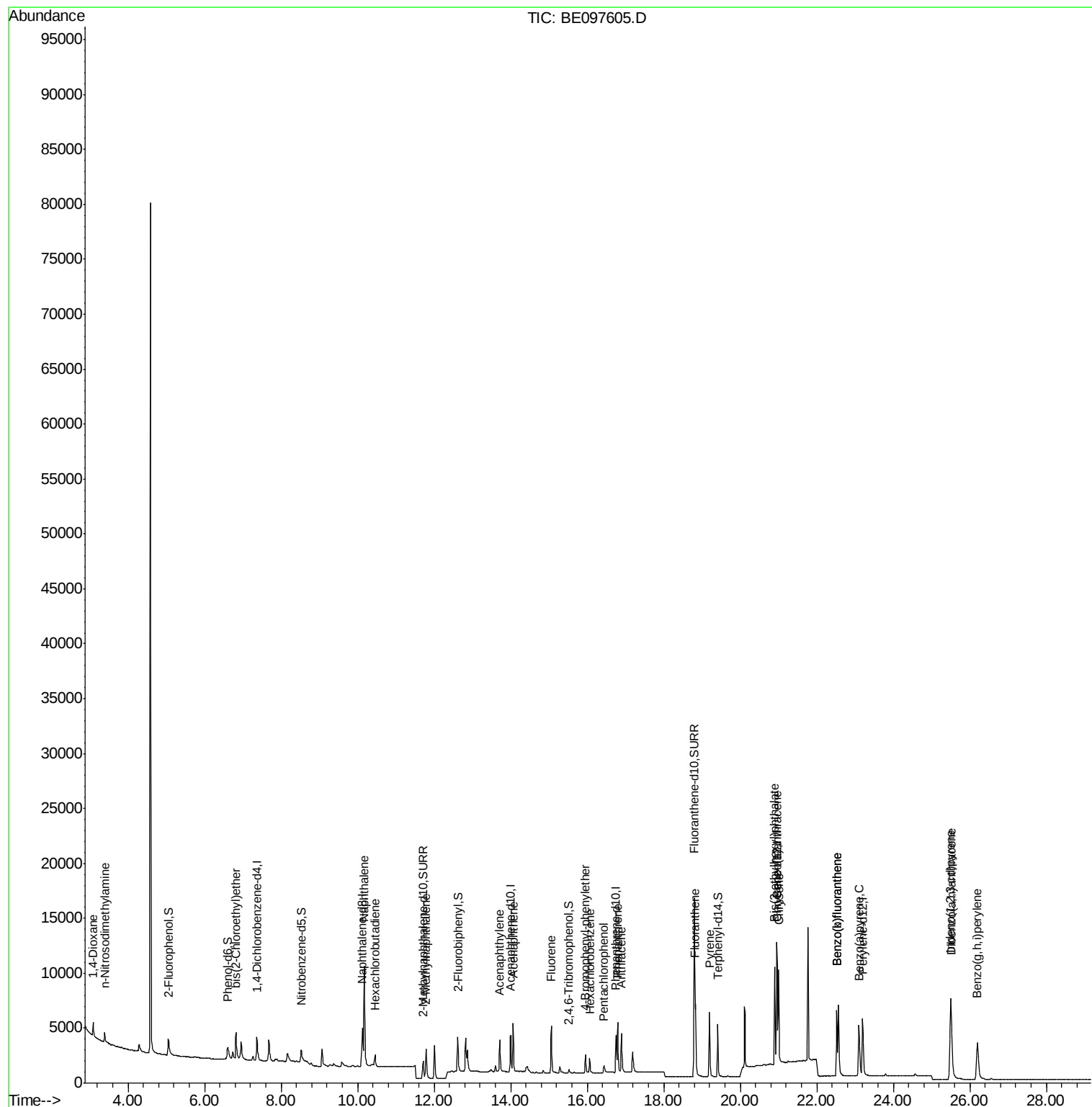
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	590	0.311	ng	# 84
3) n-Nitrosodimethylamine	3.38	42	583	0.373	ng	# 88
6) bis(2-Chloroethyl)ether	6.83	93	1265	0.330	ng	80
9) Naphthalene	10.17	128	17076	0.409	ng	100
10) Hexachlorobutadiene	10.46	225	714	0.371	ng	96
12) 2-Methylnaphthalene	11.79	142	2564	0.393	ng	98
16) Acenaphthylene	13.72	152	3579	0.393	ng	100
17) Acenaphthene	14.06	154	2315	0.380	ng	95
18) Fluorene	15.06	166	3000	0.377	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	955	0.393	ng	89
21) Hexachlorobenzene	16.07	284	1076	0.402	ng	# 85
22) Pentachlorophenol	16.44	266	505	0.551	ng	# 77
23) Phenanthrene	16.80	178	5130	0.400	ng	98
24) Anthracene	16.89	178	4502	0.398	ng	95
26) Fluoranthene	18.83	202	6055	0.341	ng	98
28) Pyrene	19.19	202	6174	0.375	ng	99
30) Benzo(a)anthracene	20.96	228	7564	0.416	ng	96
31) Chrysene	21.00	228	7749	0.397	ng	99
32) Bis(2-ethylhexyl)phthalate	20.89	149	9932	0.335	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	10690	0.455	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	8153	0.409	ng	# 89
36) Benzo(k)fluoranthene	22.53	252	8153	0.359	ng	94
37) Benzo(a)pyrene	23.10	252	8229	0.425	ng	# 92
38) Dibenzo(a,h)anthracene	25.51	278	8839	0.423	ng	95
39) Benzo(g,h,i)perylene	26.20	276	8883	0.438	ng	# 90

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092018\
Data File : BE097605.D
Acq On : 21 Sep 2018 11:04
Operator : SJ/JU
Sample : PB112986BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB112986BS

Quant Time: Sep 21 13:26:03 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



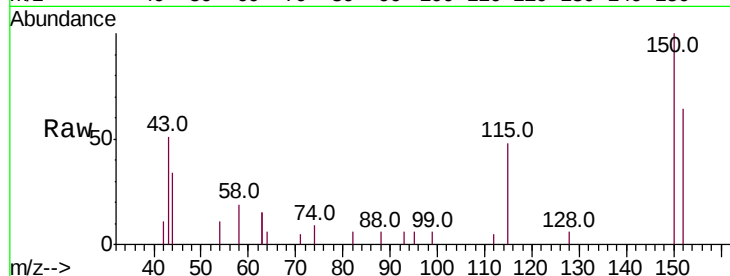


#1

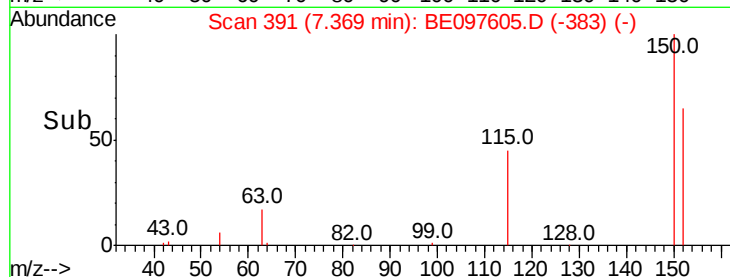
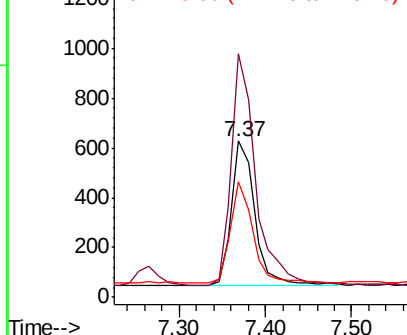
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :
PB112986BS

Tot Ion:152 Resp: 1079
Ion Ratio Lower Upper
152 100
150 155.6 117.2 175.8
115 74.2 57.0 85.6



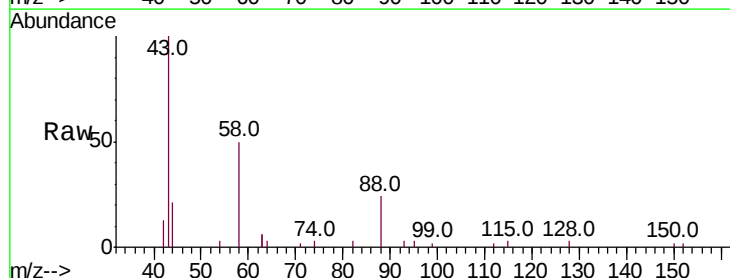
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



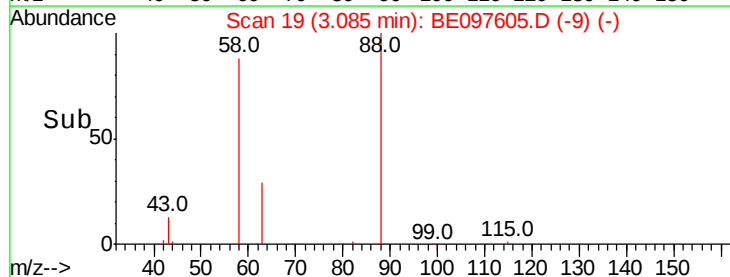
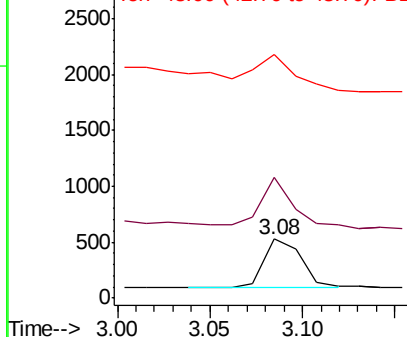
#2

1,4-Dioxane
Concen: 0.311 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion: 88 Resp: 590
Ion Ratio Lower Upper
88 100
58 79.0 63.2 94.8
43 79.3 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.373 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

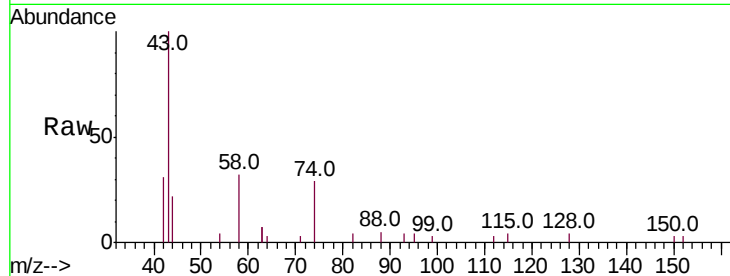
Tot Ion: 42 Resp: 583

Ion Ratio Lower Upper

42 100

74 132.9 96.0 144.0

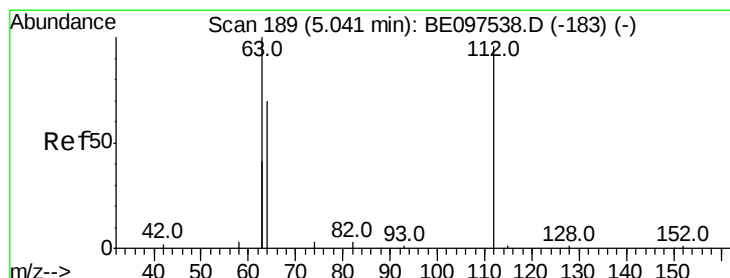
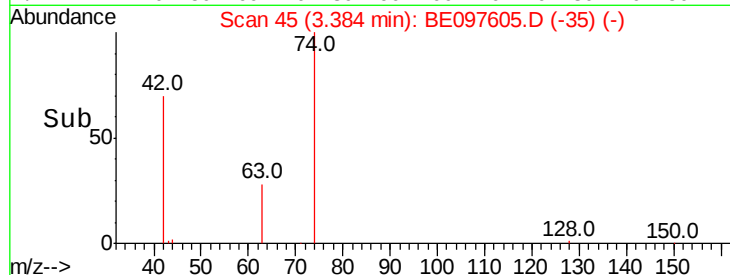
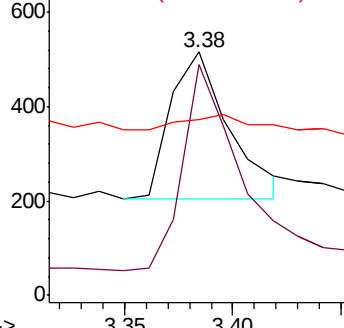
44 9.4 12.0 18.0#



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: 0.409 ng

RT: 5.07 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

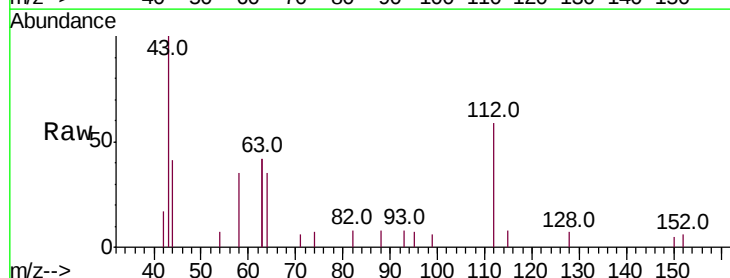
Tgt Ion: 112 Resp: 1323

Ion Ratio Lower Upper

112 100

64 67.3 60.1 90.1

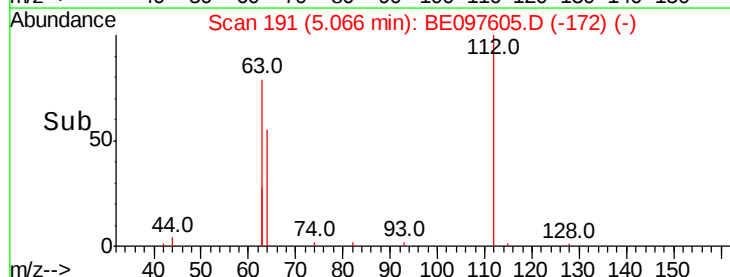
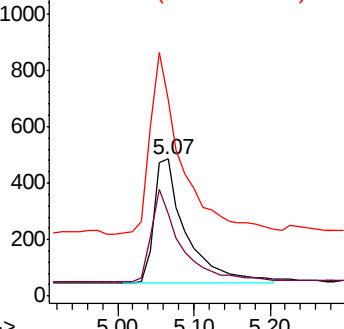
63 141.7 116.8 175.2

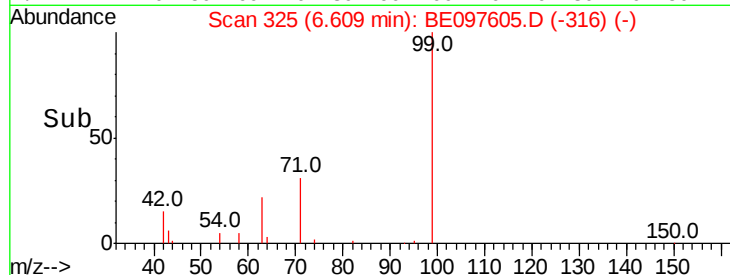
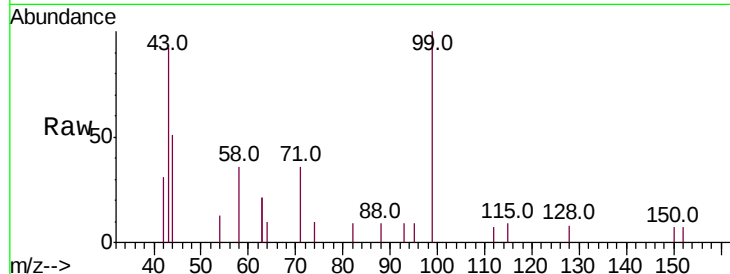


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.369 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

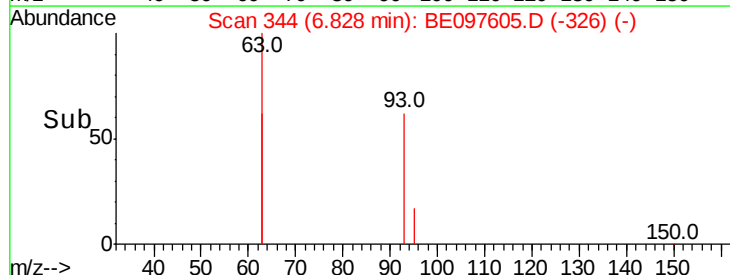
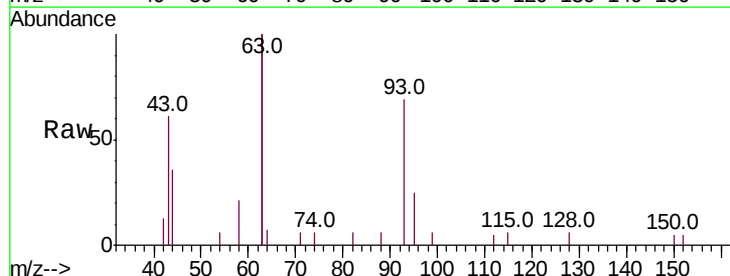
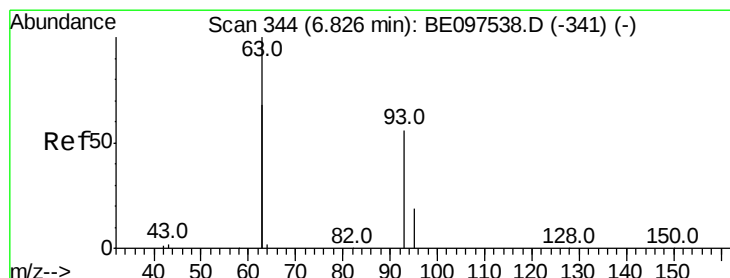
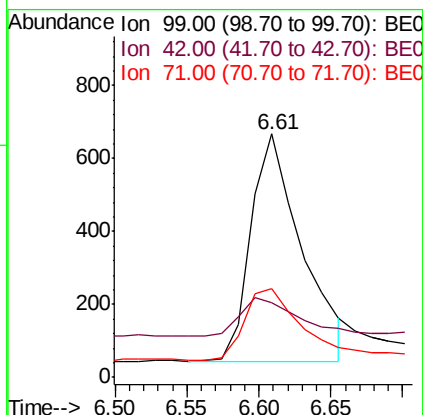
Tot Ion: 99 Resp: 1524

Ion Ratio Lower Upper

99 100

42 19.3 20.2 30.2#

71 34.1 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.330 ng

RT: 6.83 min Scan# 344

Delta R.T. 0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

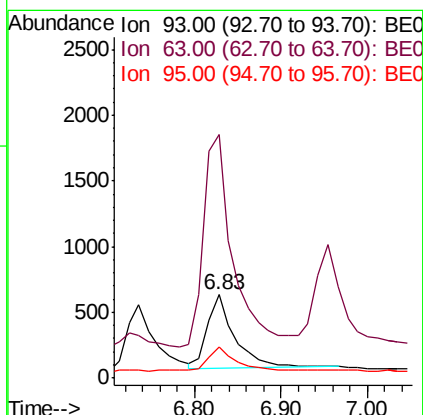
Tgt Ion: 93 Resp: 1265

Ion Ratio Lower Upper

93 100

63 299.1 275.3 412.9

95 34.3 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

Tot Ion:136 Resp: 4640

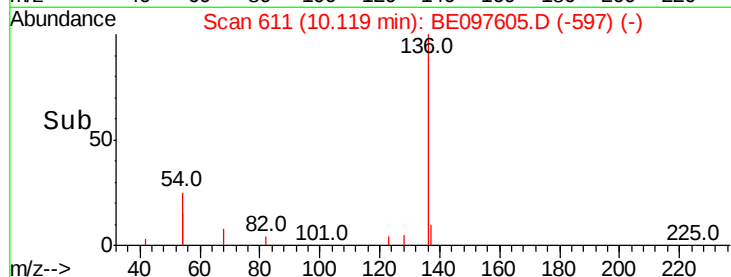
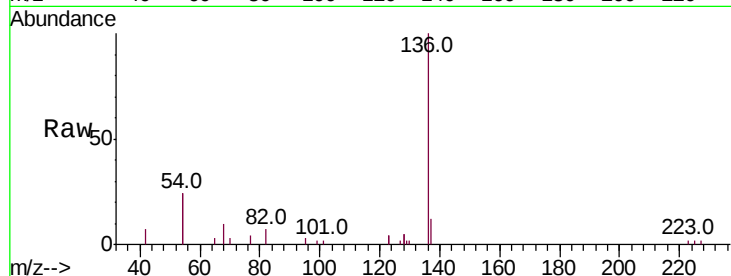
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 48.6 29.1 43.7#

68 10.0 6.2 9.2#

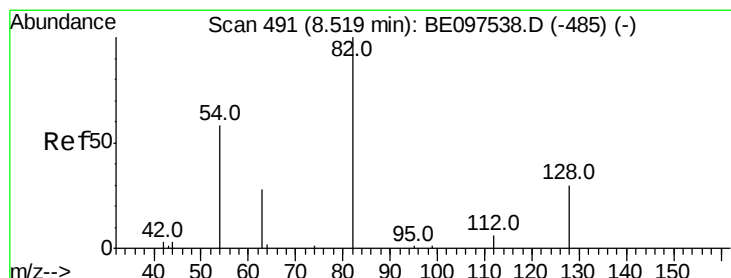
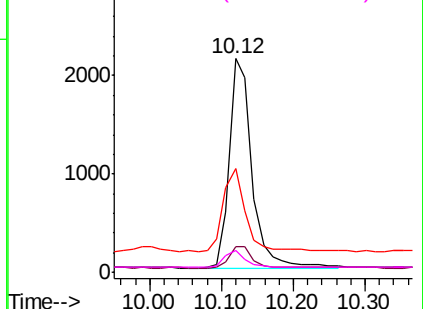


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.400 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.01 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

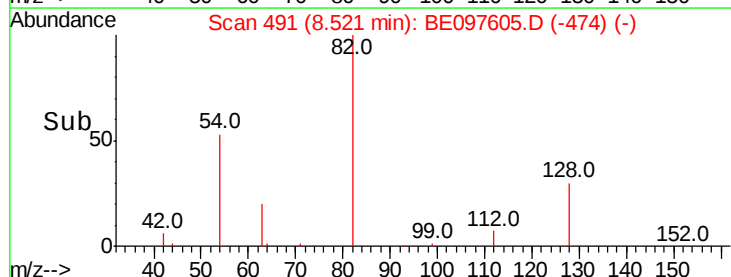
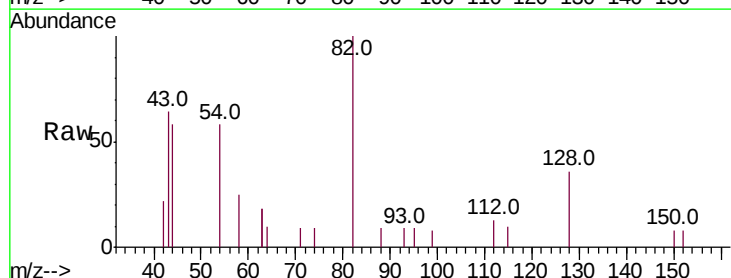
Tgt Ion: 82 Resp: 1433

Ion Ratio Lower Upper

82 100

128 35.8 24.0 36.0

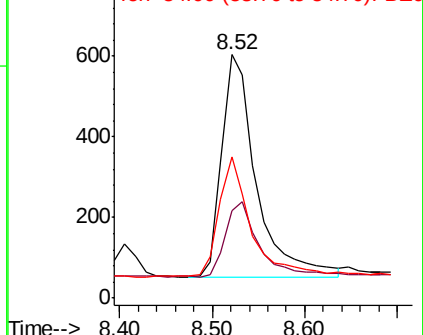
54 57.8 40.0 60.0

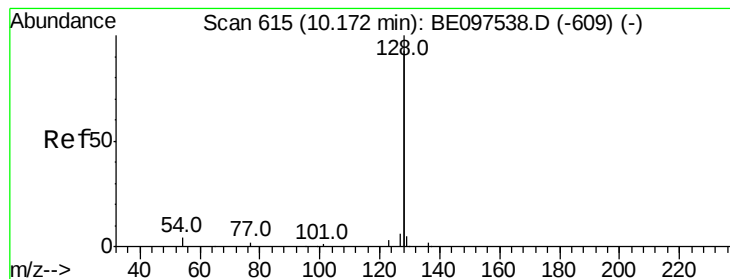


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.409 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

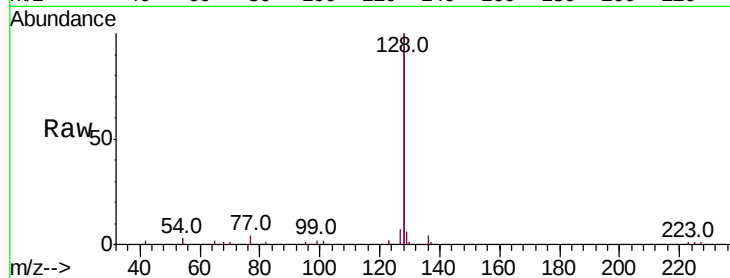
Tot Ion:128 Resp: 17076

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

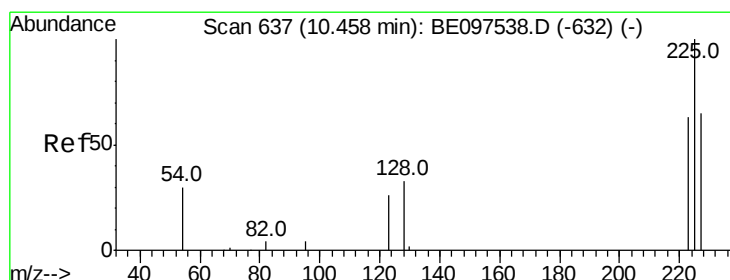
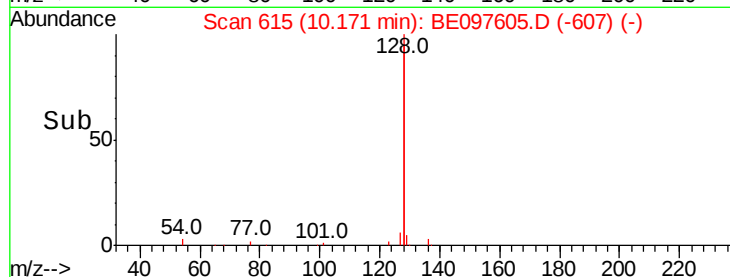
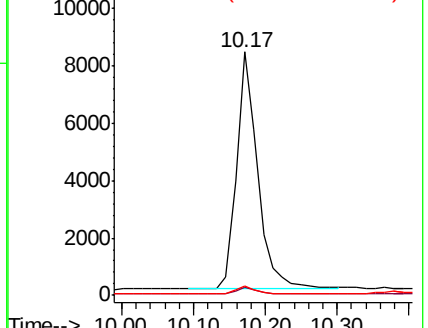
127 3.7 2.8 4.2



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: 0.371 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

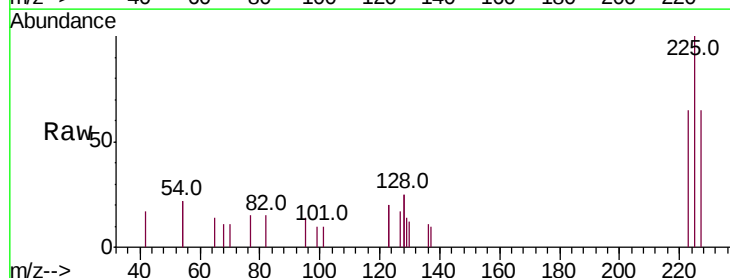
Tgt Ion:225 Resp: 714

Ion Ratio Lower Upper

225 100

223 63.2 53.0 79.6

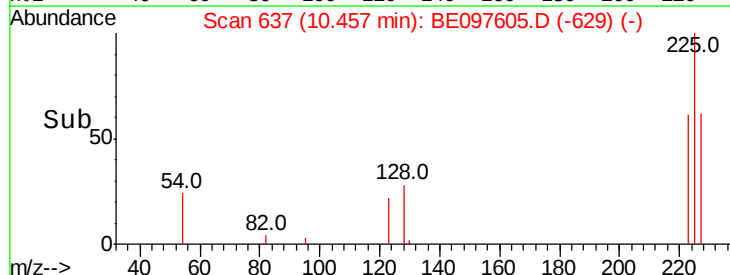
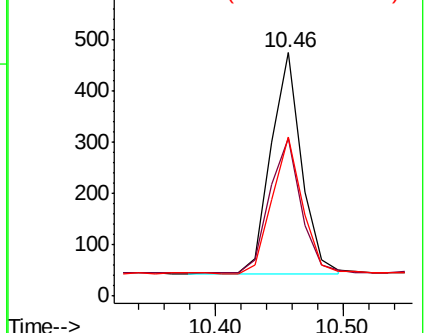
227 61.2 51.4 77.2

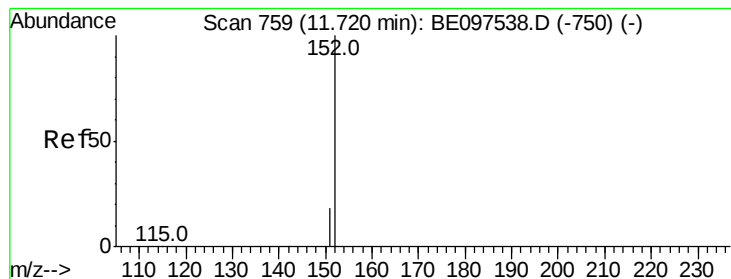


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.555 ng

RT: 11.71 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

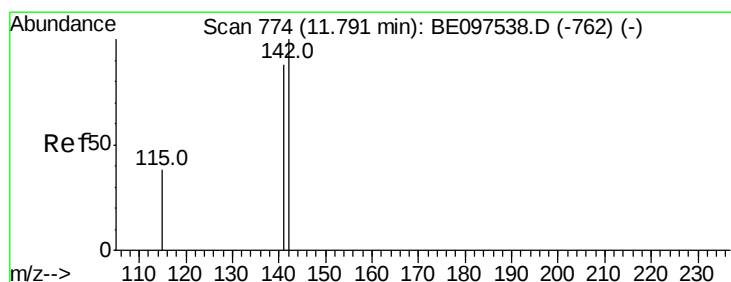
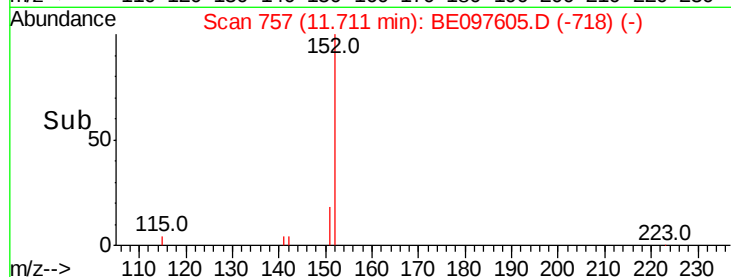
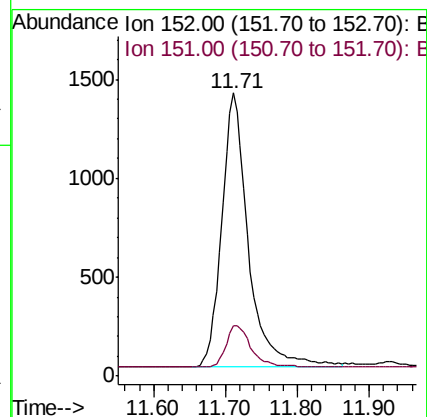
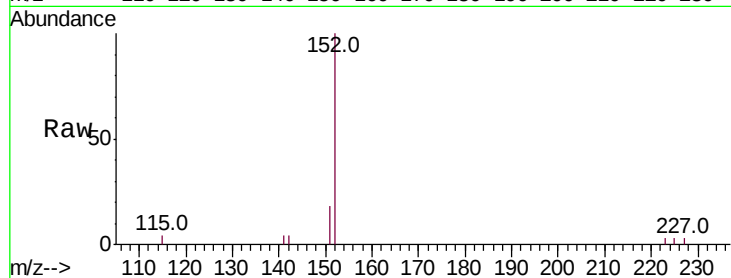
PB112986BS

Tot Ion:152 Resp: 3550

Ion Ratio Lower Upper

152 100

151 13.7 15.4 23.0#



#12

2-Methylnaphthalene

Concen: 0.393 ng

RT: 11.79 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

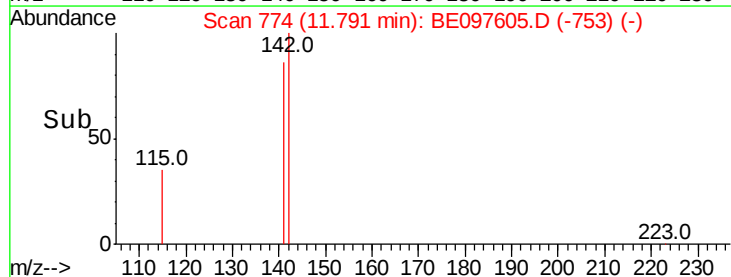
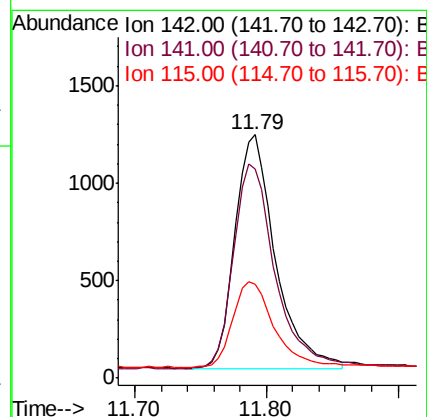
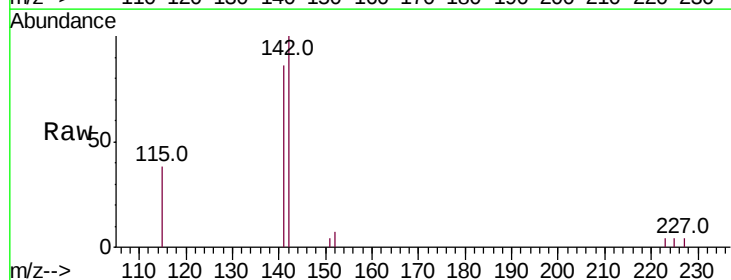
Tgt Ion:142 Resp: 2564

Ion Ratio Lower Upper

142 100

141 85.8 70.4 105.6

115 38.4 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

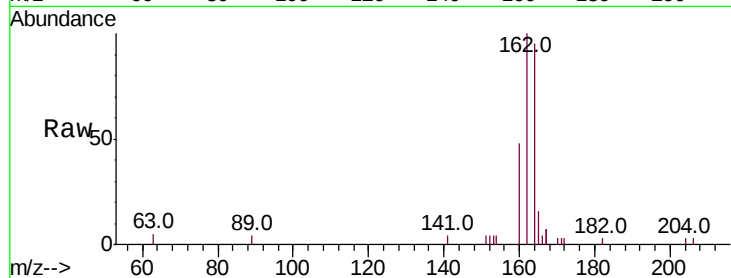
Tot Ion:164 Resp: 2301

Ion Ratio Lower Upper

164 100

162 105.2 83.1 124.7

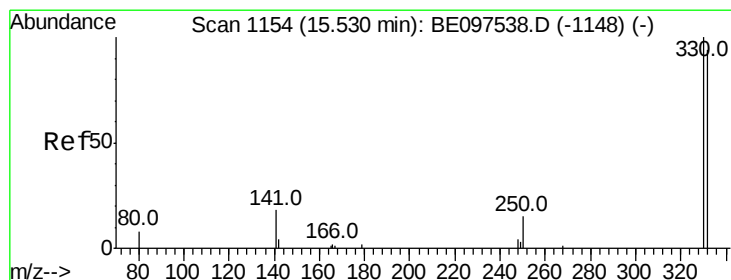
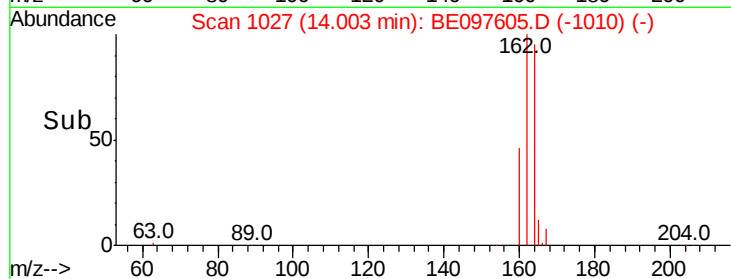
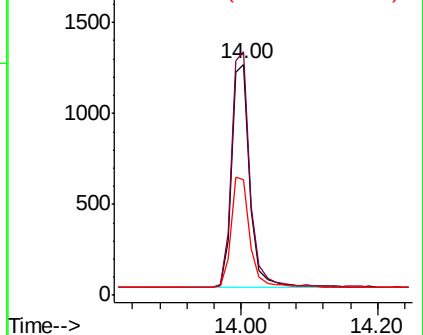
160 50.0 37.1 55.7



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: 0.324 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

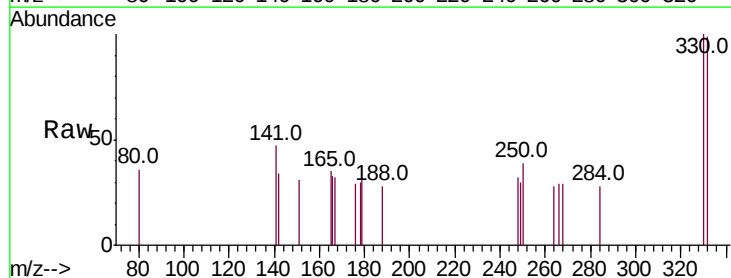
Tgt Ion:330 Resp: 256

Ion Ratio Lower Upper

330 100

332 96.1 152.7 229.1#

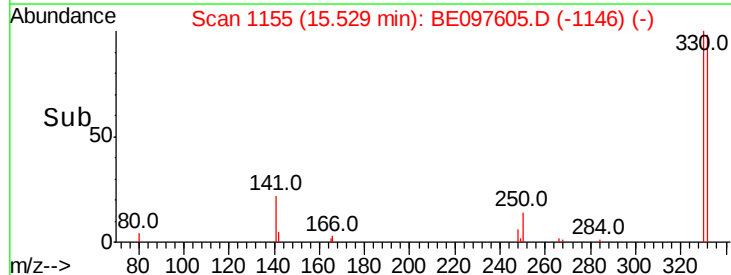
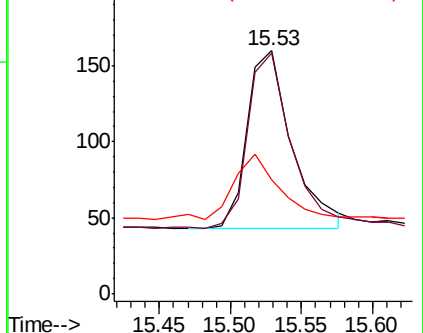
141 37.5 33.7 50.5



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

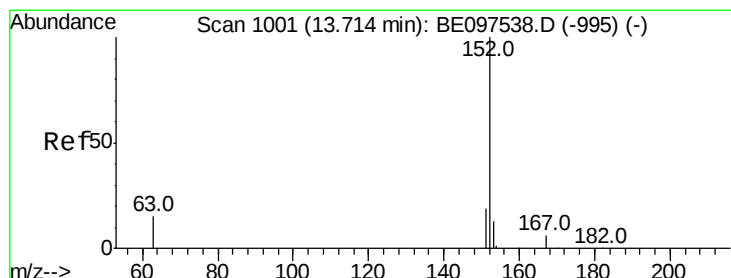
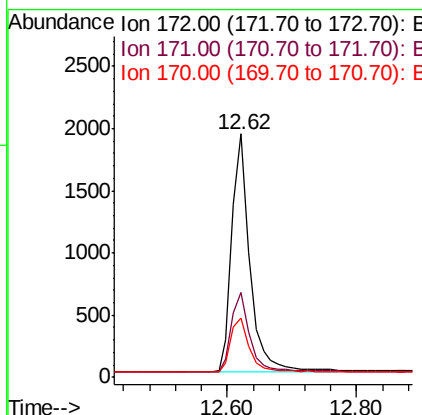
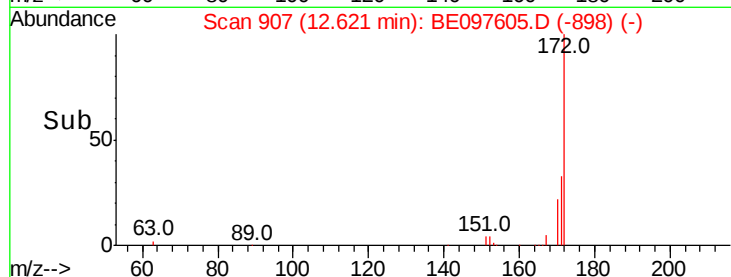
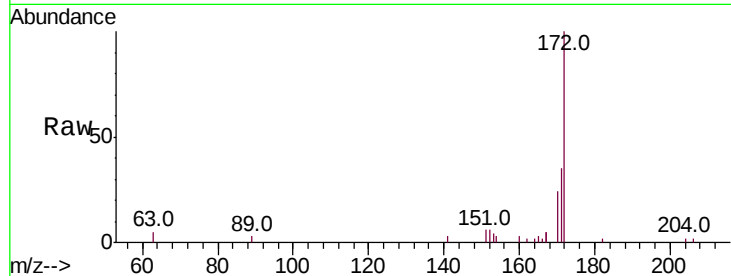




#15
2-Fluorobiphenyl
Concen: 0.453 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

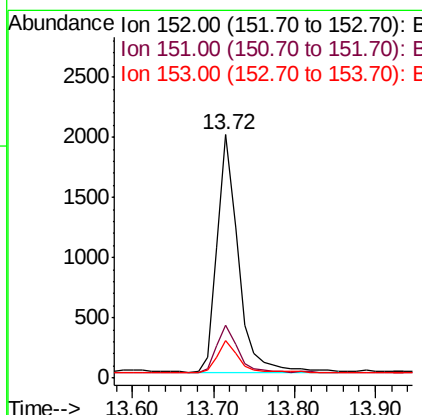
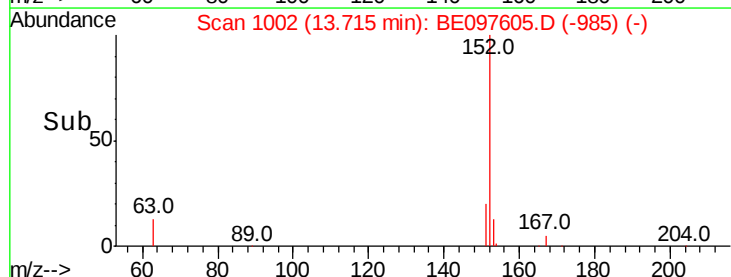
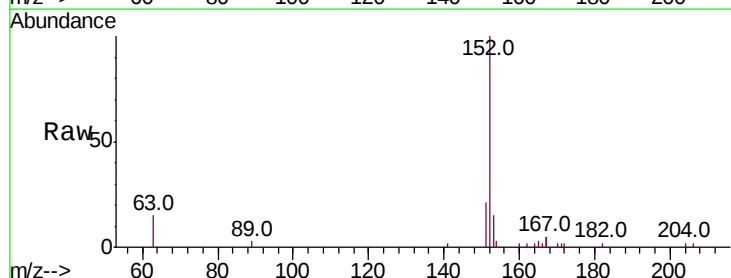
Instrument :
BNA_E
ClientSampleId :
PB112986BS

Tot Ion:172 Resp: 3683
Ion Ratio Lower Upper
172 100
171 34.7 29.9 44.9
170 24.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.393 ng
RT: 13.72 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:152 Resp: 3579
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.2 10.5 15.7





#17

Acenaphthene

Concen: 0.380 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

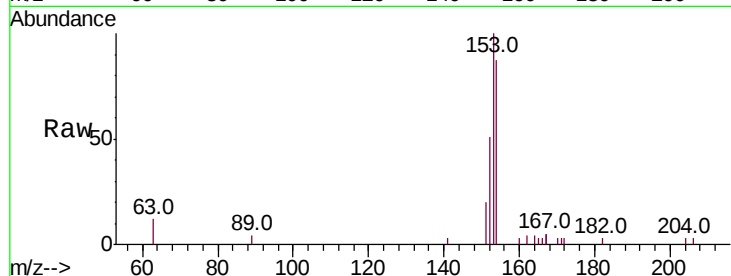
Tot Ion:154 Resp: 2315

Ion Ratio Lower Upper

154 100

153 116.0 89.2 133.8

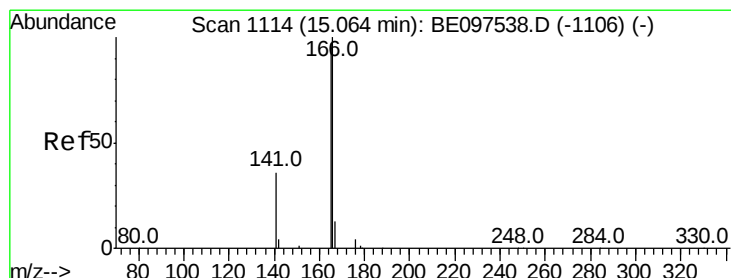
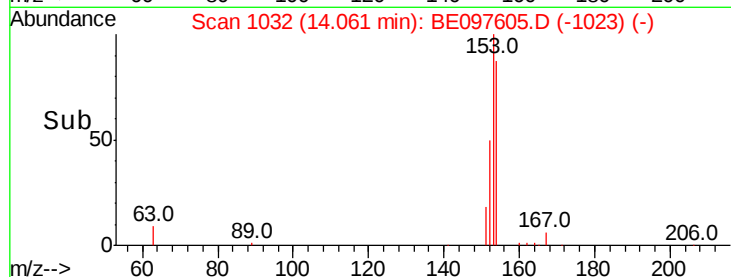
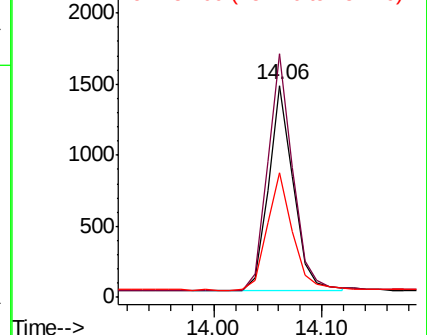
152 58.2 42.0 63.0



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: 0.377 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

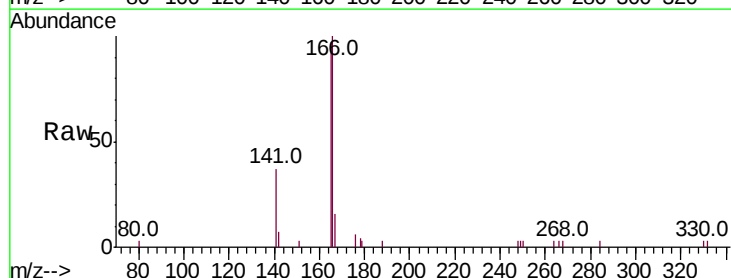
Tgt Ion:166 Resp: 3000

Ion Ratio Lower Upper

166 100

165 99.9 77.8 116.6

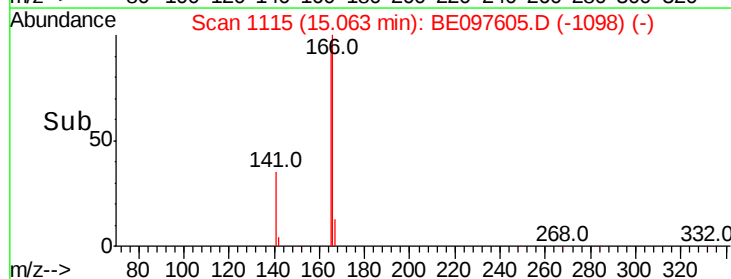
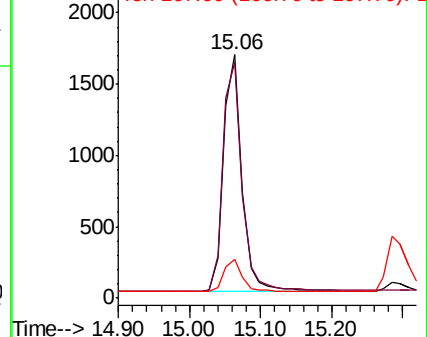
167 13.5 42.4 63.6#



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: 16.75 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

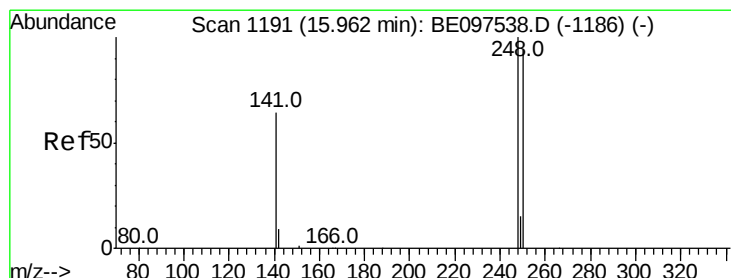
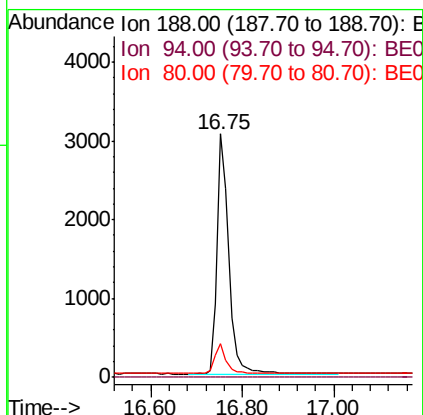
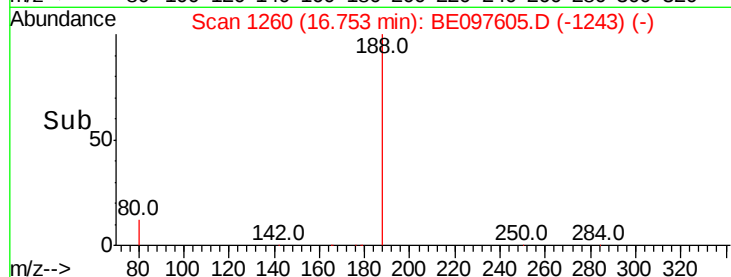
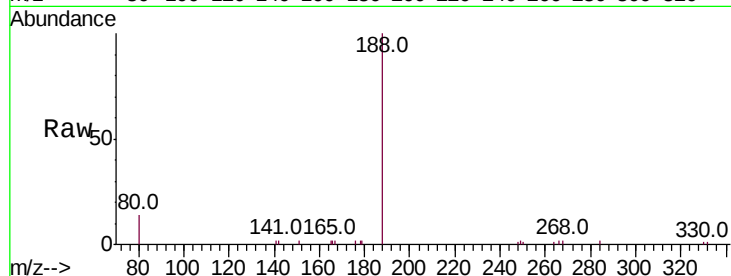
Tot Ion:188 Resp: 5396

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 13.6 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.393 ng

RT: 15.96 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

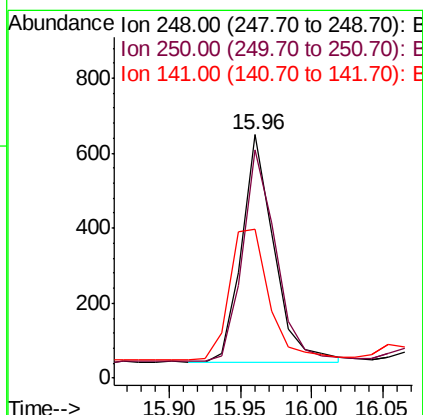
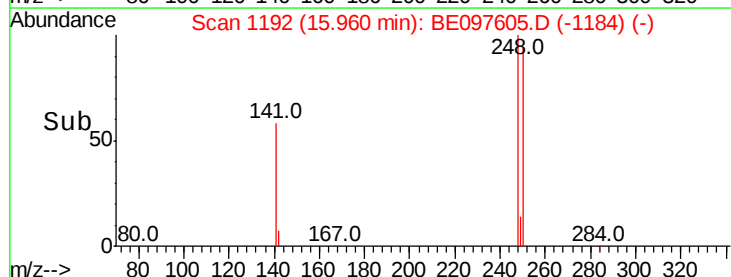
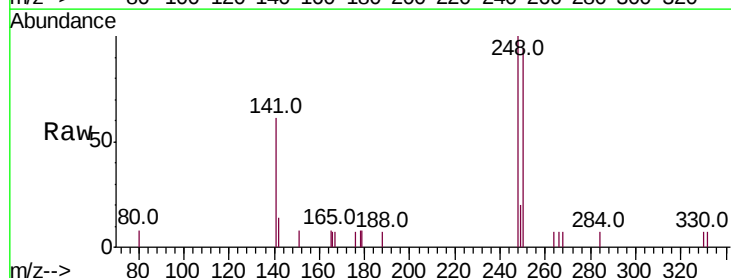
Tgt Ion:248 Resp: 955

Ion Ratio Lower Upper

248 100

250 93.8 62.7 94.1

141 61.3 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.402 ng

RT: 16.07 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

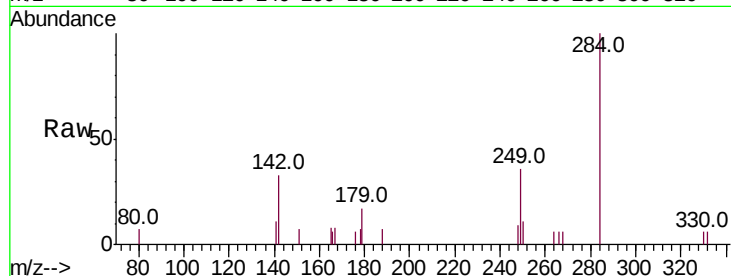
Tot Ion:284 Resp: 1076

Ion Ratio Lower Upper

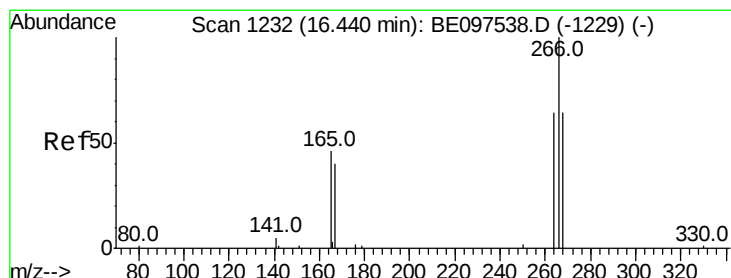
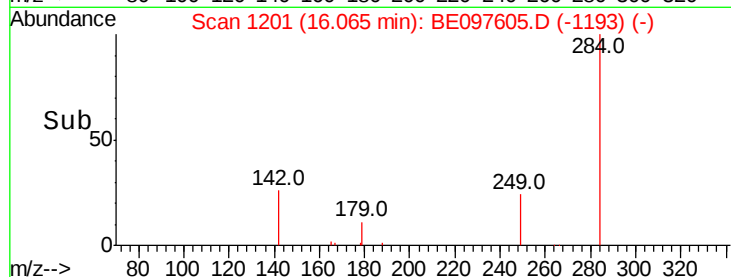
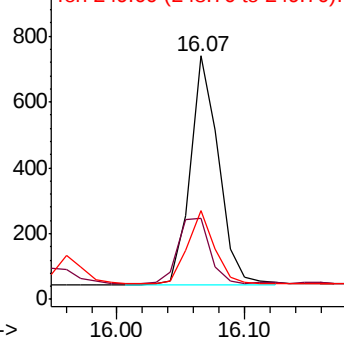
284 100

142 31.9 22.1 33.1

249 30.6 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: 0.551 ng

RT: 16.44 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

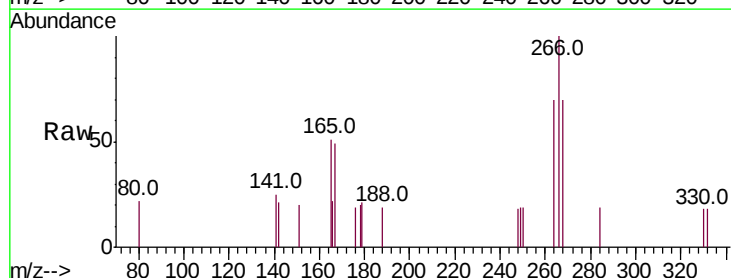
Tgt Ion:266 Resp: 505

Ion Ratio Lower Upper

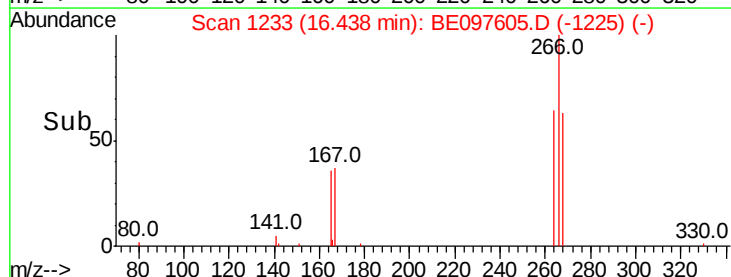
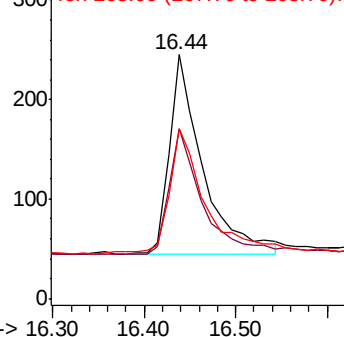
266 100

264 69.8 72.5 108.7#

268 69.8 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: 0.400 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

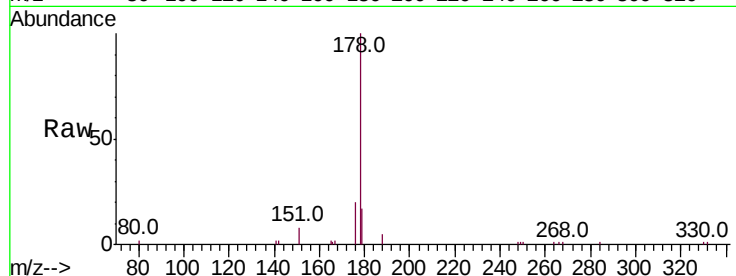
Tot Ion:178 Resp: 5130

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

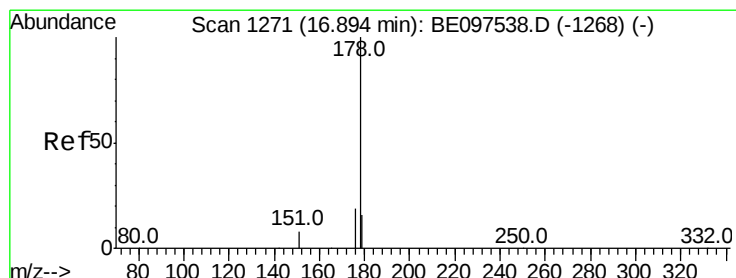
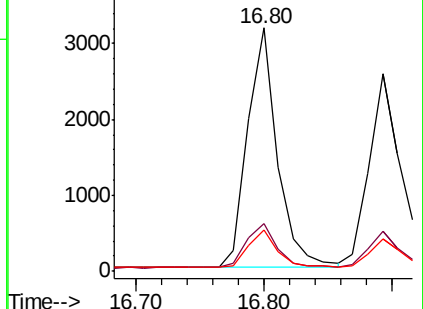
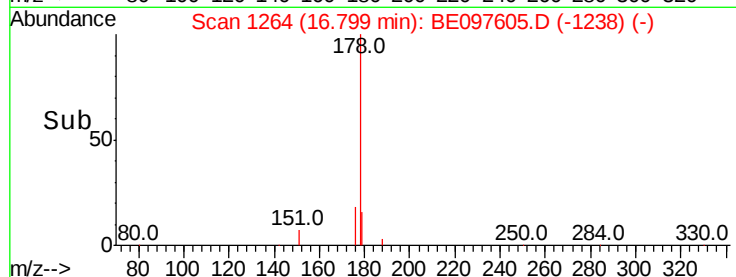
179 16.2 11.8 17.6



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: 0.398 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

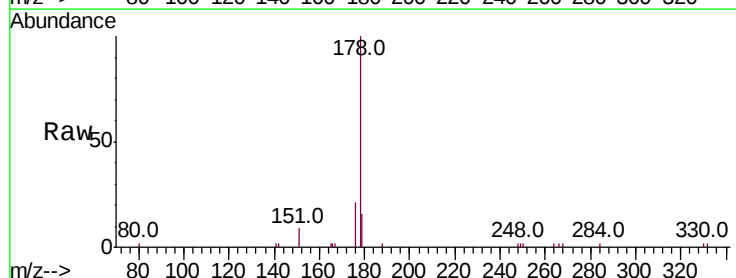
Tgt Ion:178 Resp: 4502

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

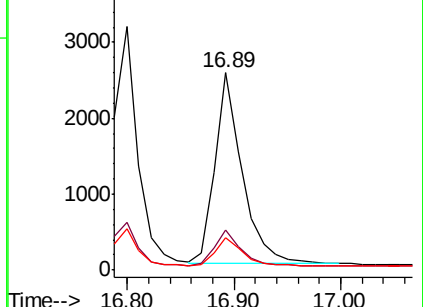
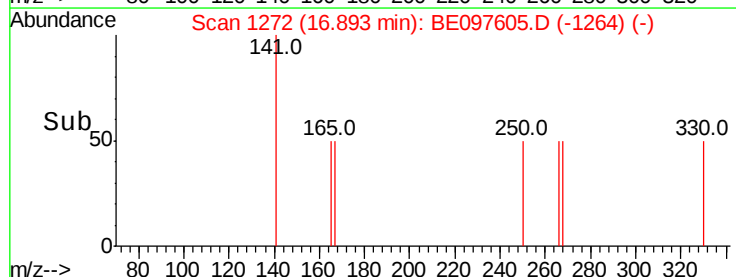
179 14.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.363 ng

RT: 18.80 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

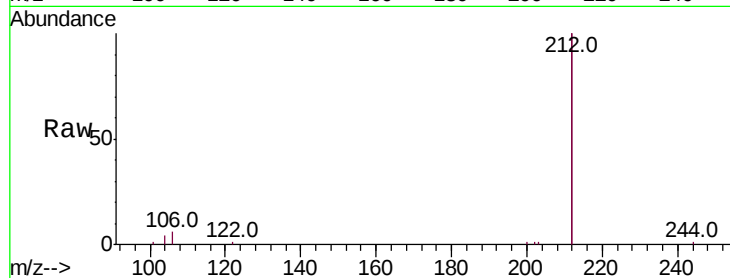
Tot Ion:212 Resp: 25073

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

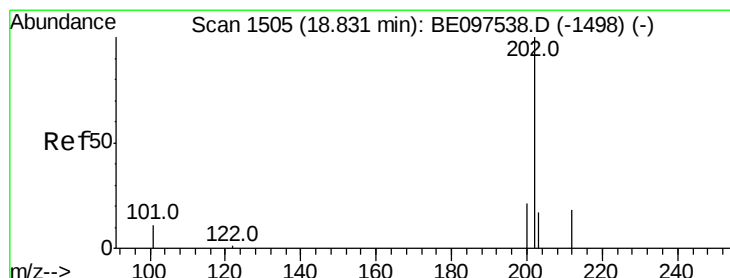
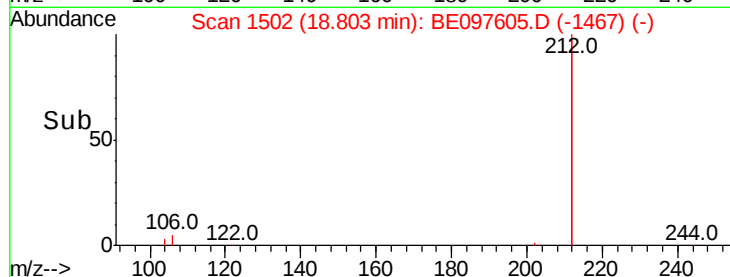
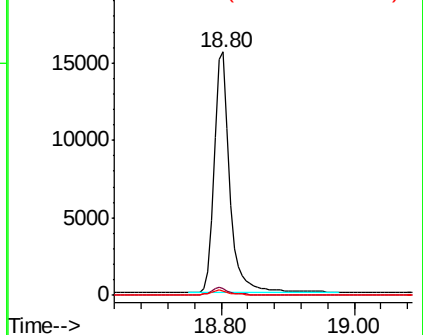
104 1.7 1.6 2.4



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: 0.341 ng

RT: 18.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

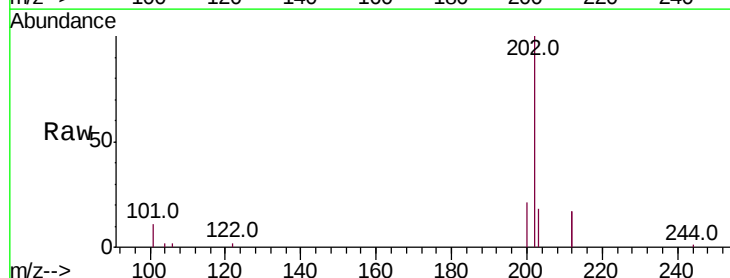
Tgt Ion:202 Resp: 6055

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.8

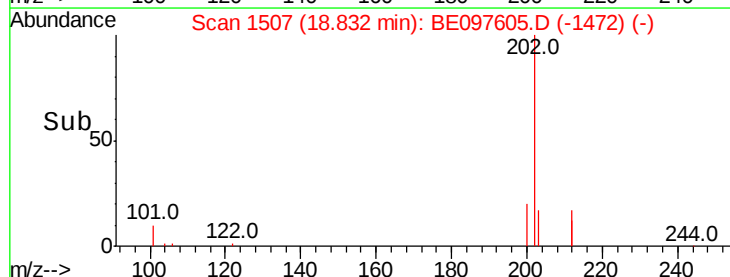
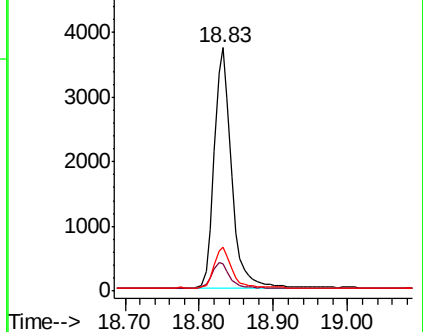
203 16.9 13.7 20.5



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# 1787

Delta R.T. 0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

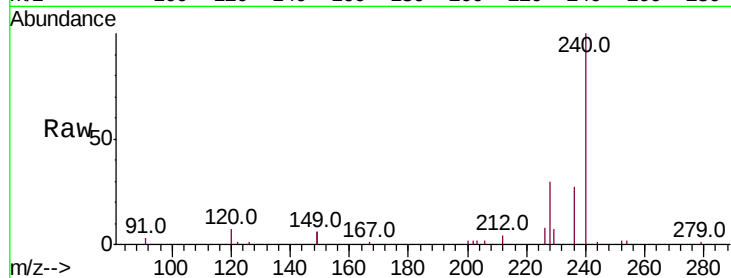
Tot Ion:240 Resp: 7228

Ion Ratio Lower Upper

240 100

120 6.9 5.5 8.3

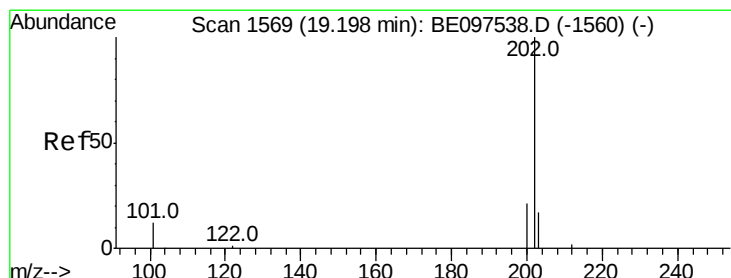
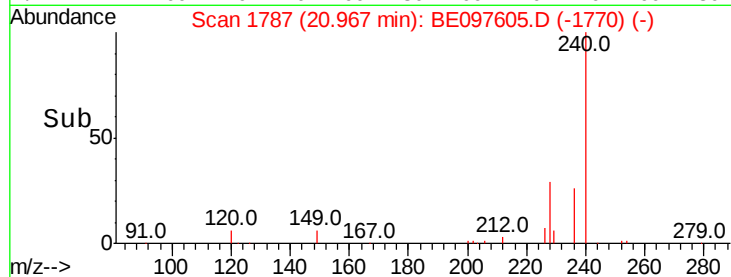
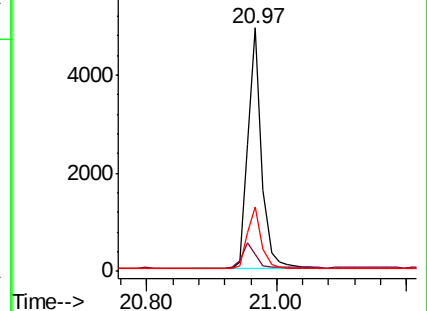
236 26.7 20.7 31.1



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: 0.375 ng

RT: 19.19 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

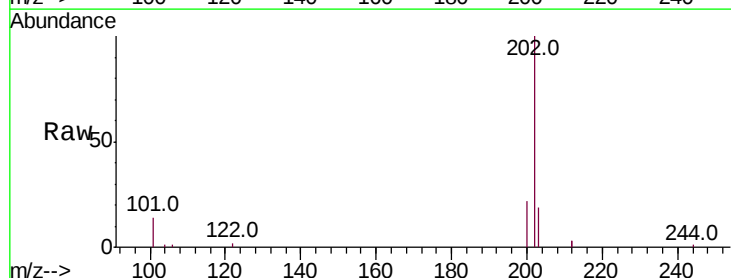
Tgt Ion:202 Resp: 6174

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

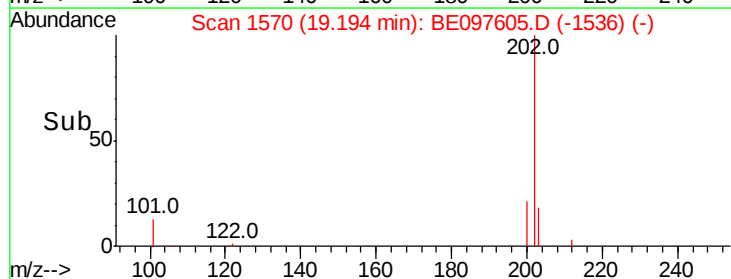
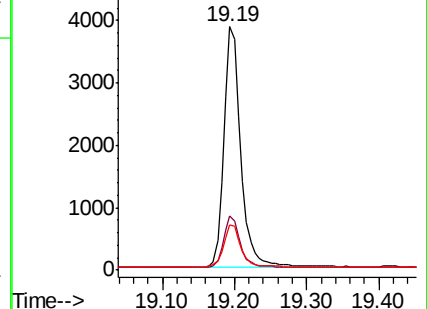
203 18.1 13.8 20.8

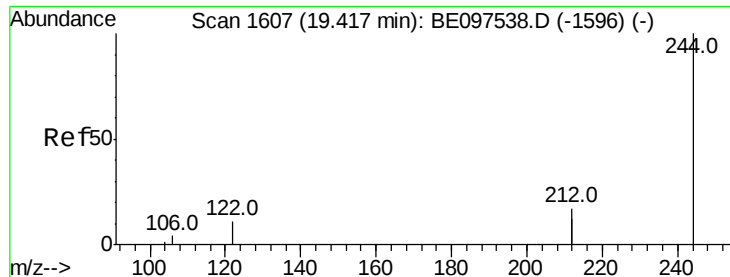


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.335 ng

RT: 19.41 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

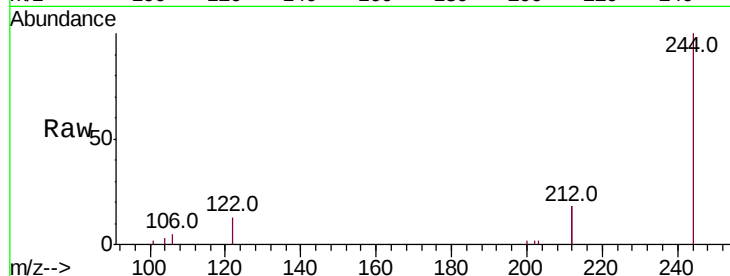
Tot Ion:244 Resp: 4428

Ion Ratio Lower Upper

244 100

212 35.2 25.4 38.0

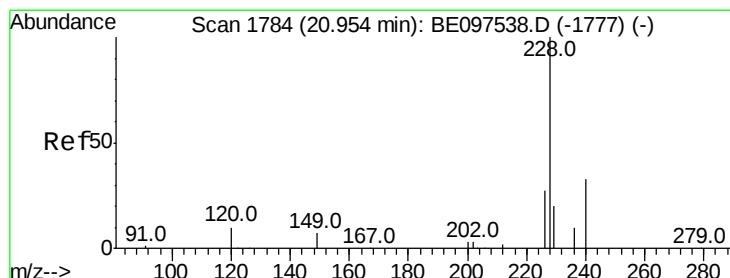
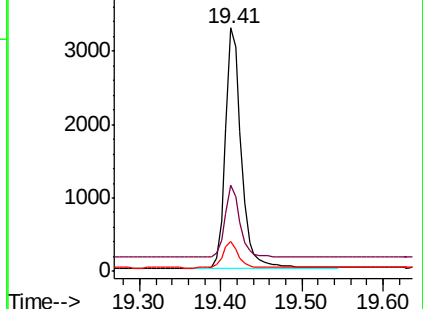
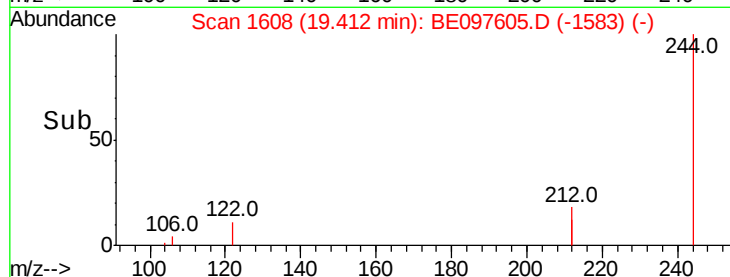
122 12.5 8.1 12.1#



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: 0.416 ng

RT: 20.96 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

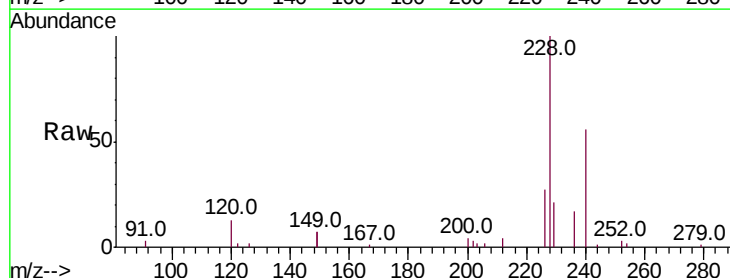
Tgt Ion:228 Resp: 7564

Ion Ratio Lower Upper

228 100

226 27.1 24.0 36.0

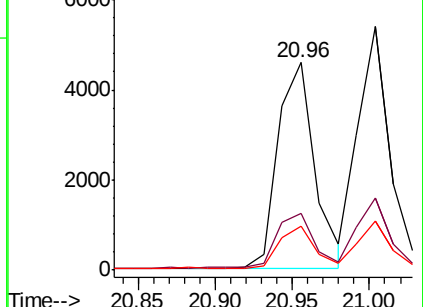
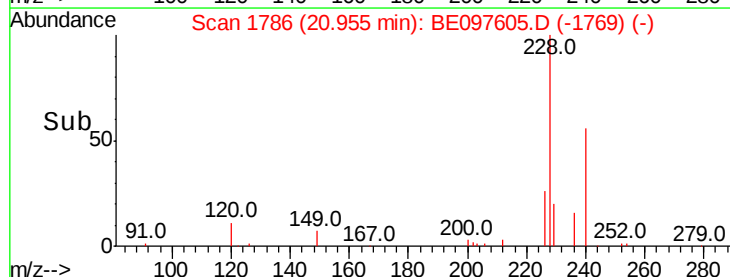
229 20.9 16.0 24.0



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: 0.397 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

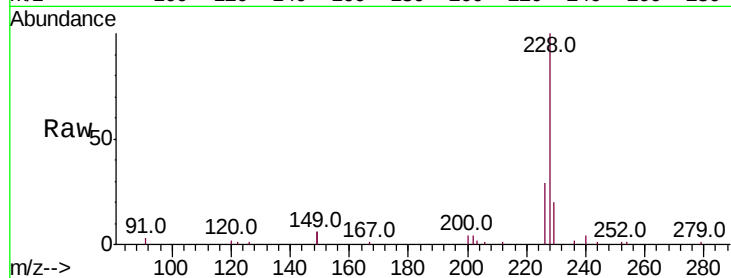
BNA_E

ClientSampleId :

PB112986BS

Tot Ion:228 Resp: 7749

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.0	36.0
229	20.1	16.0	24.0

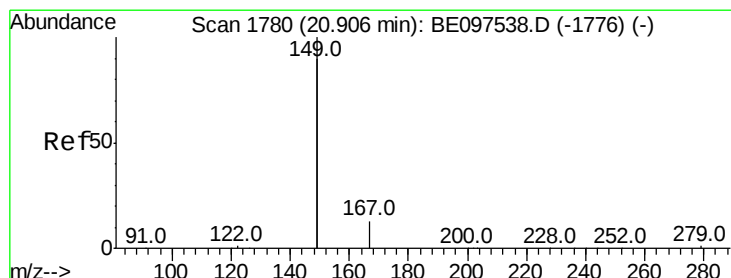
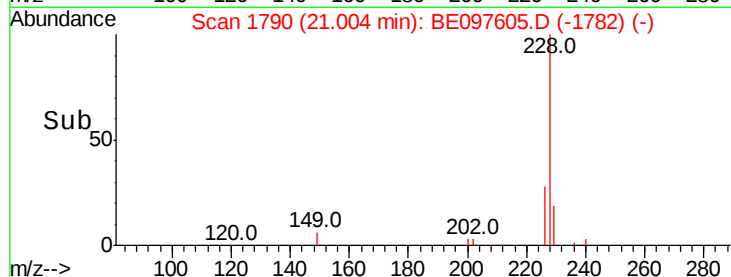
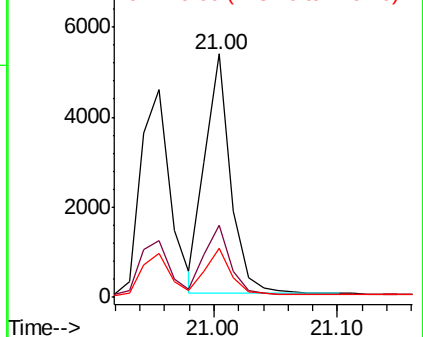


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.335 ng

RT: 20.89 min Scan# 1781

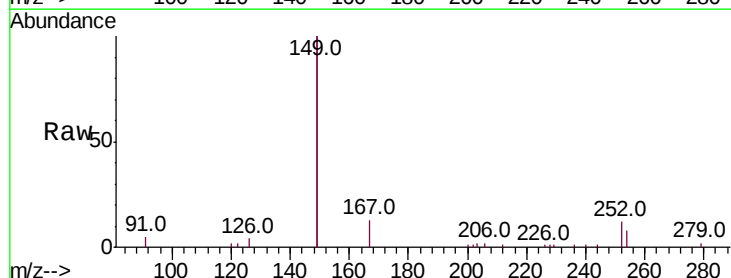
Delta R.T. -0.01 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Tgt Ion:149 Resp: 9932

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.0	0.7	1.1

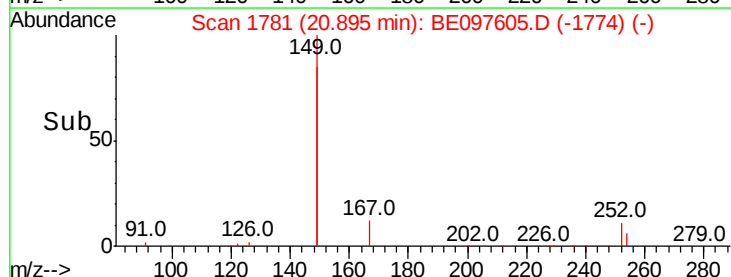
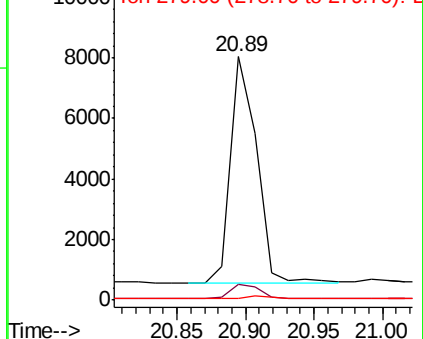


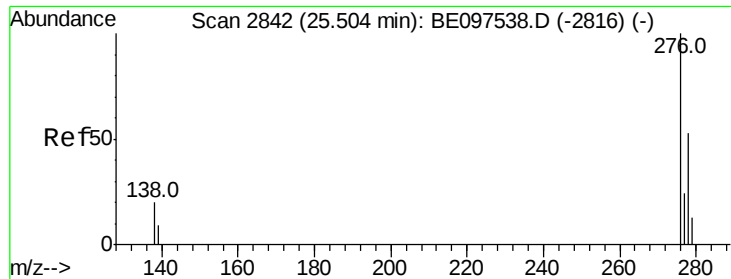
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.455 ng

RT: 25.50 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

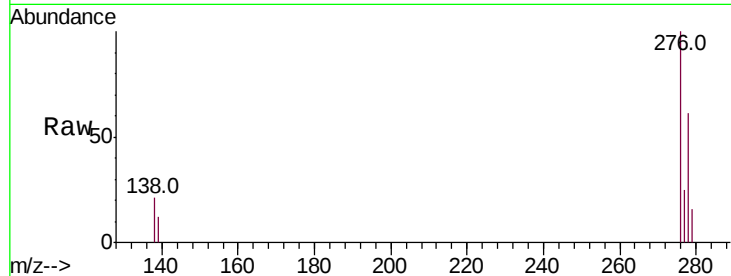
Tot Ion:276 Resp: 10690

Ion Ratio Lower Upper

276 100

138 20.8 22.5 33.7#

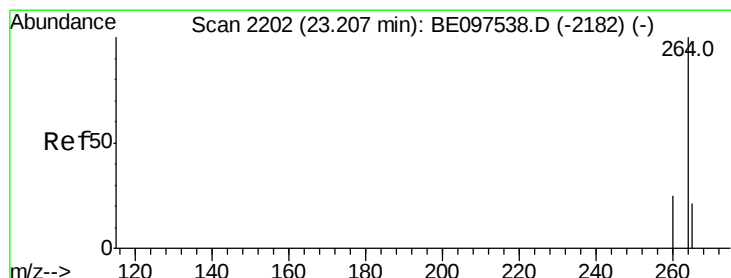
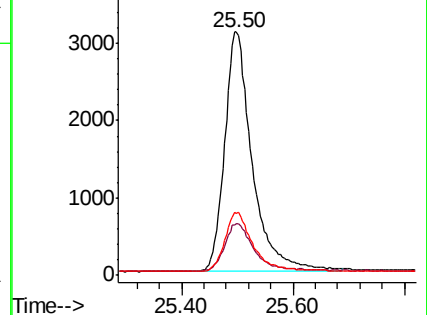
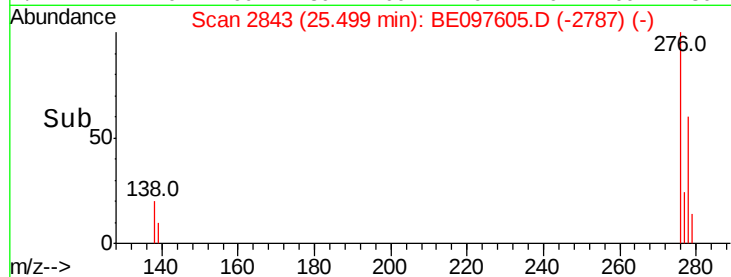
277 24.9 19.9 29.9



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: 23.20 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

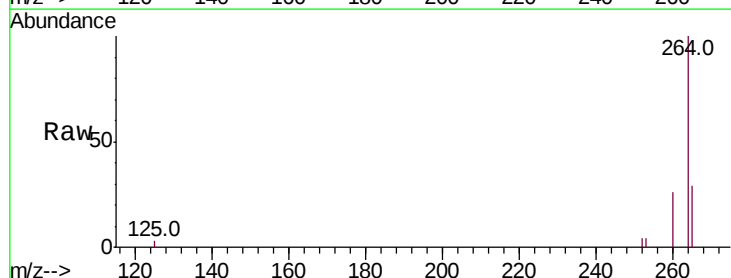
Tgt Ion:264 Resp: 7766

Ion Ratio Lower Upper

264 100

260 25.5 20.5 30.7

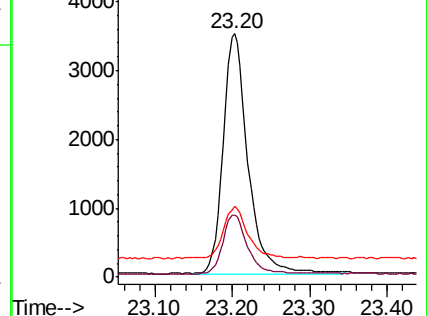
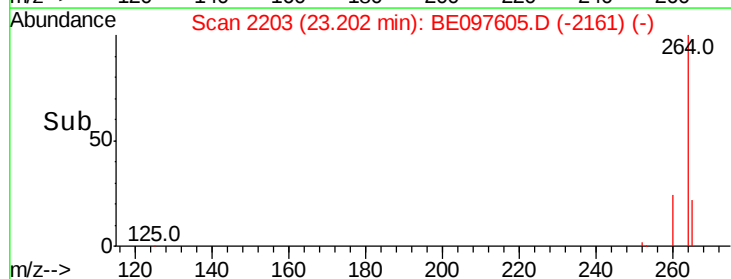
265 29.2 22.8 34.2



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: 0.409 ng

RT: 22.53 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

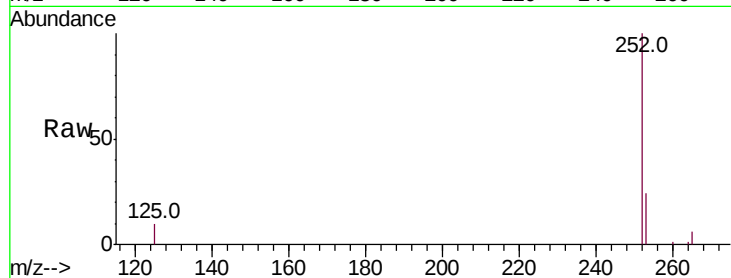
Tot Ion:252 Resp: 8153

Ion Ratio Lower Upper

252 100

253 23.8 20.0 30.0

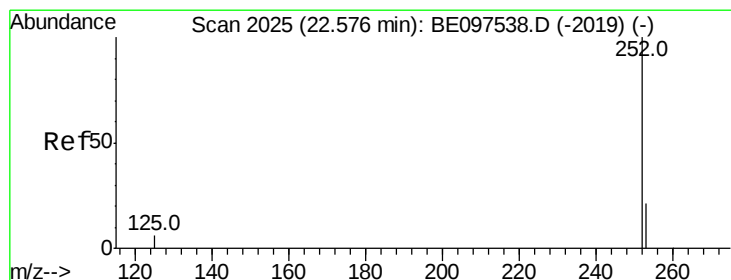
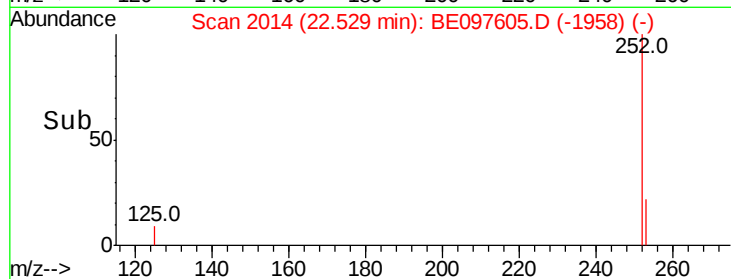
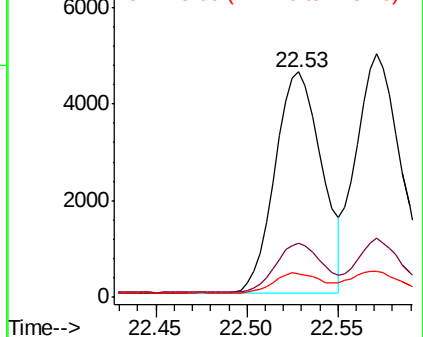
125 10.4 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.359 ng

RT: 22.53 min Scan# 2014

Delta R.T. -0.04 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

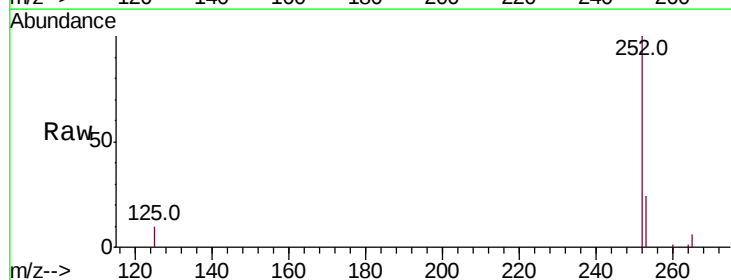
Tgt Ion:252 Resp: 8153

Ion Ratio Lower Upper

252 100

253 23.8 16.0 24.0

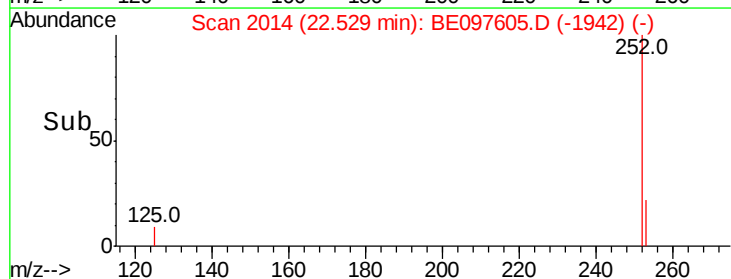
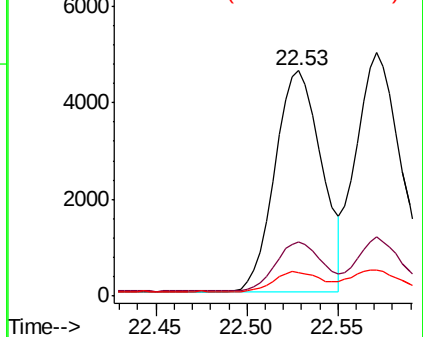
125 10.4 8.0 12.0



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

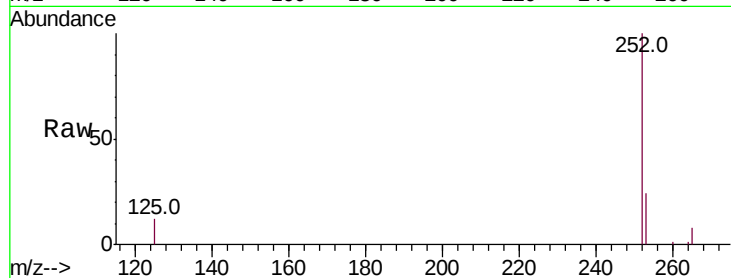




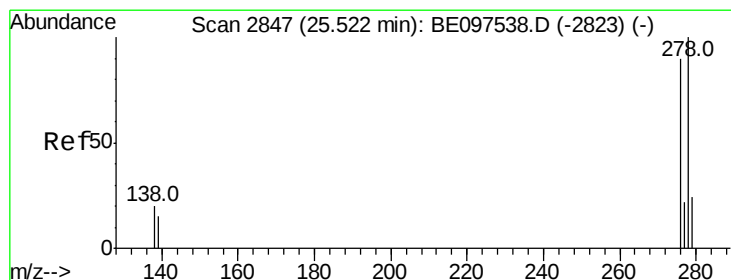
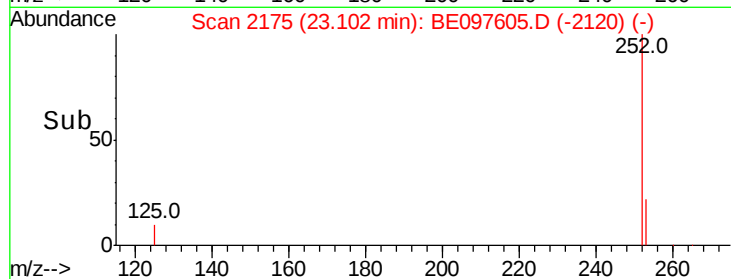
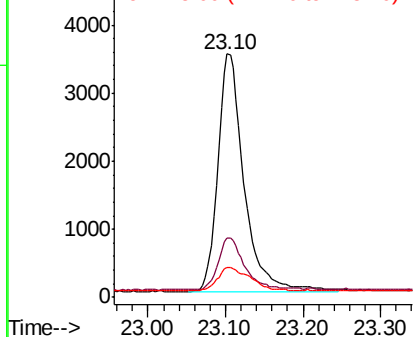
#37
Benzo(a)pyrene
Concen: 0.425 ng
RT: 23.10 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :
PB112986BS

Tot Ion:252 Resp: 8229
Ion Ratio Lower Upper
252 100
253 24.4 16.0 24.0#
125 12.2 12.0 18.0

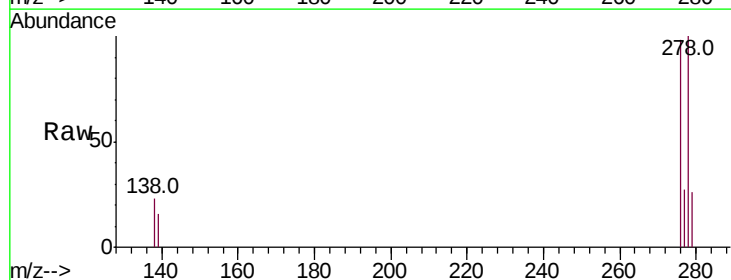


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

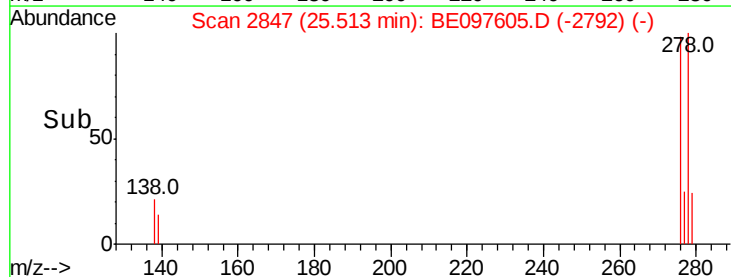
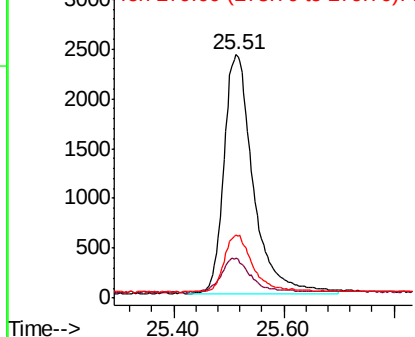


#38
Dibenzo(a,h)anthracene
Concen: 0.423 ng
RT: 25.51 min Scan# 2847
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:278 Resp: 8839
Ion Ratio Lower Upper
278 100
139 16.3 16.0 24.0
279 26.0 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: 26.20 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BE097605.D

Acq: 21 Sep 2018 11:04

Instrument :

BNA_E

ClientSampleId :

PB112986BS

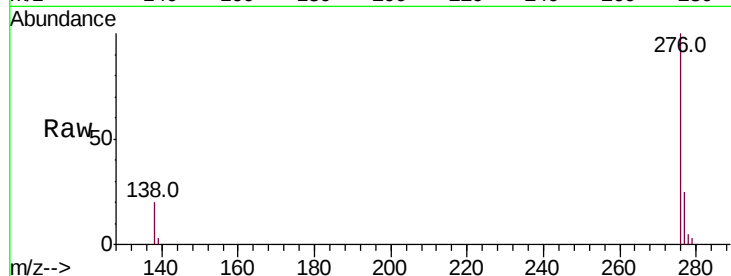
Tot Ion:276 Resp: 8883

Ion Ratio Lower Upper

276 100

277 24.7 16.0 24.0#

138 20.0 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

