

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097561.D
 Acq On : 20 Sep 2018 4:03
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 20 05:12:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 19 16:26:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	745	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3914	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2787	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	8325	0.40	ng	0.00
27) Chrysene-d12	20.97	240	9153	0.40	ng	0.00
34) Perylene-d12	23.20	264	9236	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	890	0.40	ng	0.01
5) Phenol-d6	6.61	99	1120	0.39	ng	0.01
8) Nitrobenzene-d5	8.53	82	1167	0.39	ng	0.01
11) 2-Methylnaphthalene-d10	11.72	152	2337	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	413	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3538	0.36	ng	-0.01
25) Fluoranthene-d10	18.80	212	35115	0.33	ng	0.00
29) Terphenyl-d14	19.42	244	6973	0.42	ng	0.00

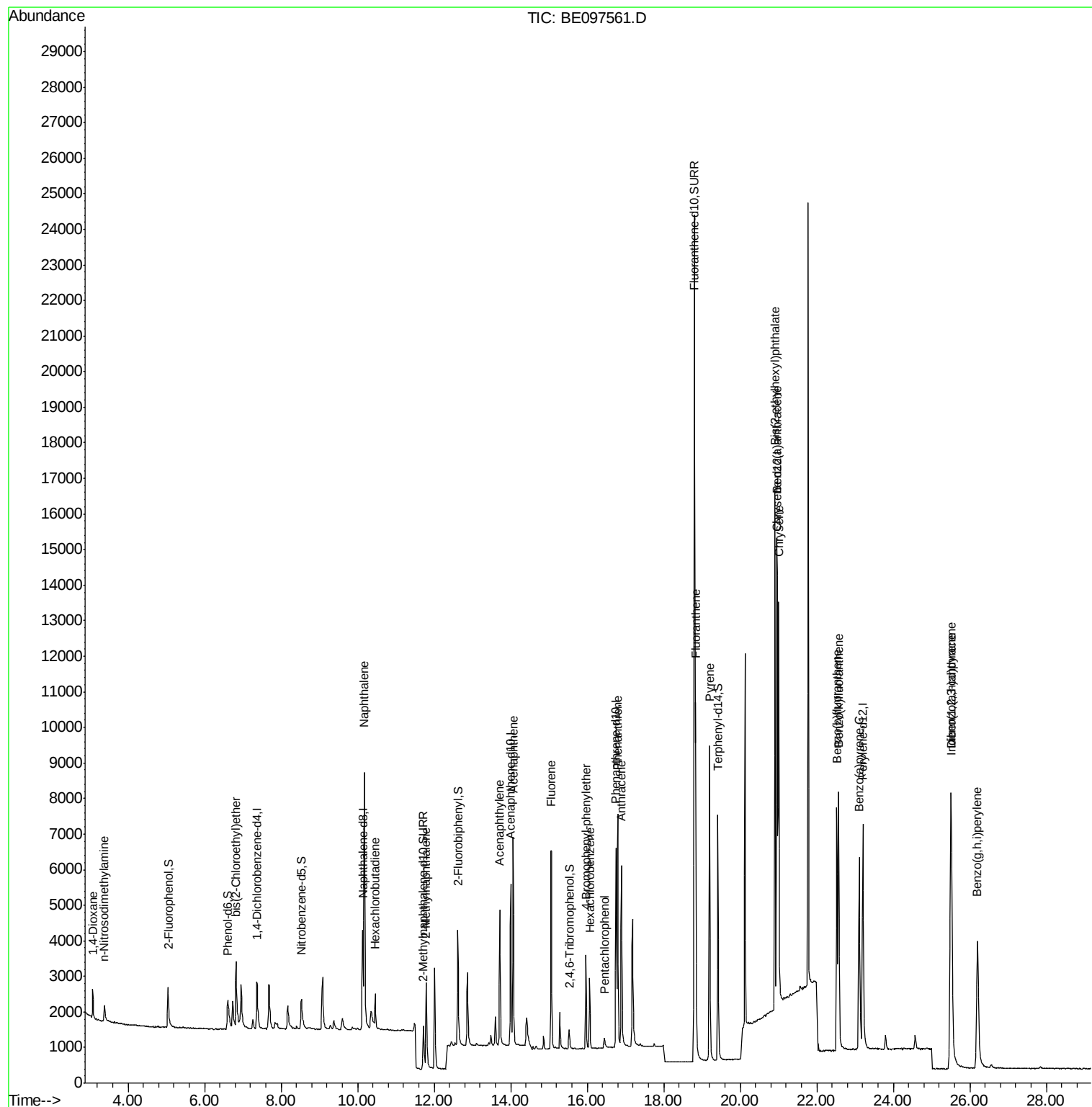
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	500	0.392	ng	# 86
3) n-Nitrosodimethylamine	3.37	42	414	0.383	ng	# 90
6) bis(2-Chloroethyl)ether	6.83	93	1086	0.410	ng	# 69
9) Naphthalene	10.17	128	13989	0.397	ng	99
10) Hexachlorobutadiene	10.46	225	611	0.376	ng	98
12) 2-Methylnaphthalene	11.79	142	2336	0.425	ng	99
16) Acenaphthylene	13.71	152	4493	0.408	ng	99
17) Acenaphthene	14.06	154	2977	0.403	ng	96
18) Fluorene	15.05	166	4071	0.423	ng	# 80
20) 4-Bromophenyl-phenylether	15.96	248	1462	0.390	ng	# 88
21) Hexachlorobenzene	16.07	284	1638	0.397	ng	# 84
22) Pentachlorophenol	16.45	266	255	0.268	ng	86
23) Phenanthrene	16.80	178	7513	0.380	ng	99
24) Anthracene	16.89	178	6606	0.378	ng	95
26) Fluoranthene	18.83	202	9079	0.331	ng	98
28) Pyrene	19.20	202	9463	0.454	ng	100
30) Benzo(a)anthracene	20.96	228	9206	0.399	ng	96
31) Chrysene	21.00	228	9783	0.396	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	16285	0.431	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.50	276	11742	0.394	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	9059	0.383	ng	# 90
36) Benzo(k)fluoranthene	22.57	252	10207	0.377	ng	# 92
37) Benzo(a)pyrene	23.11	252	9150	0.399	ng	# 91
38) Dibenzo(a,h)anthracene	25.51	278	9824	0.396	ng	96
39) Benzo(g,h,i)perylene	26.20	276	9523	0.394	ng	# 90

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

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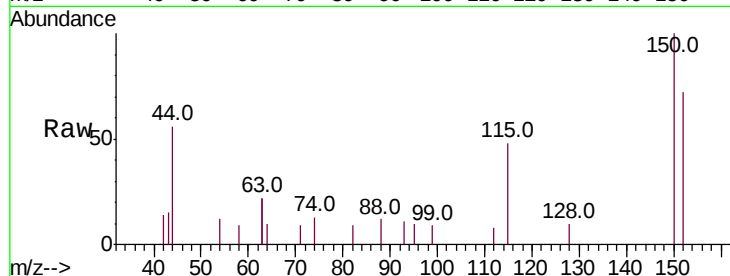


#1

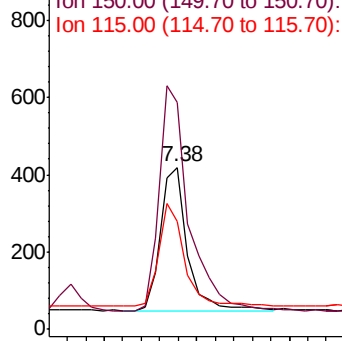
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097561.D
Acq: 20 Sep 2018 4:03

Instrument :
BNA_E
ClientSampleId :

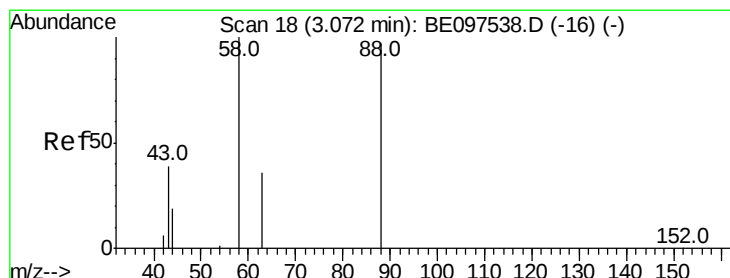
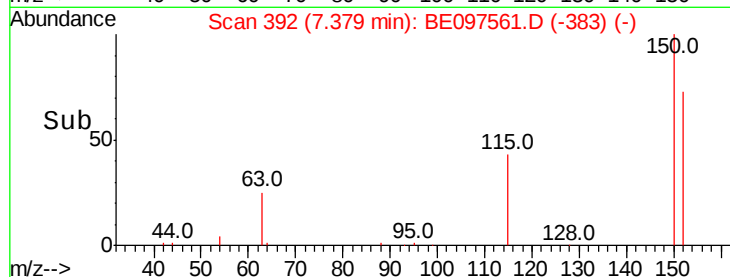
Tot Ion:152 Resp: 745
Ion Ratio Lower Upper
152 100
150 139.8 117.2 175.8
115 66.4 57.0 85.6



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



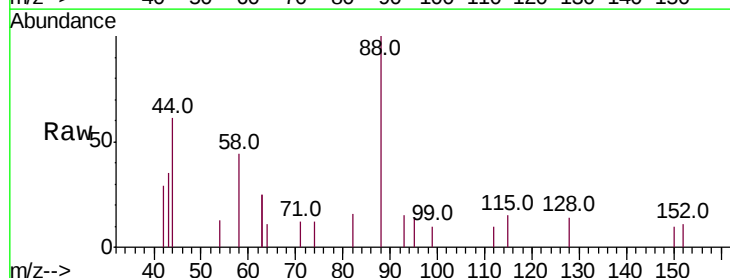
Time-->



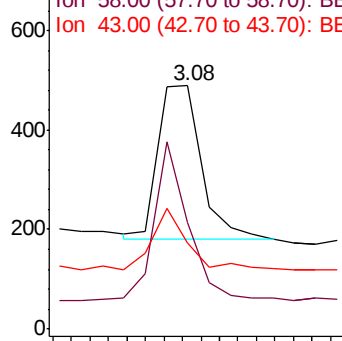
#2

1,4-Dioxane
Concen: 0.392 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097561.D
Acq: 20 Sep 2018 4:03

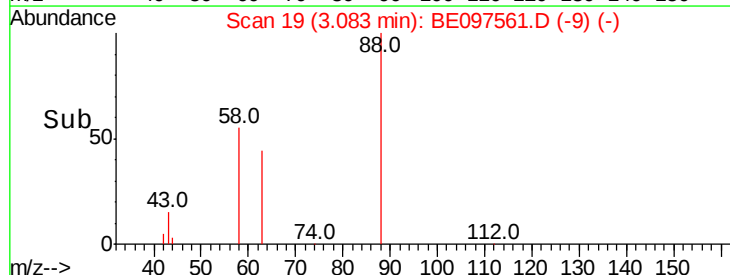
Tgt Ion: 88 Resp: 500
Ion Ratio Lower Upper
88 100
58 82.8 63.2 94.8
43 32.2 41.2 61.8#



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



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.383 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

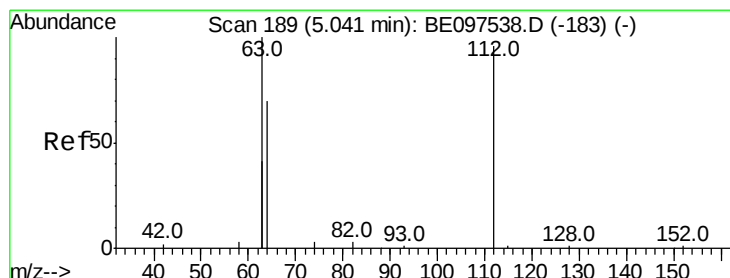
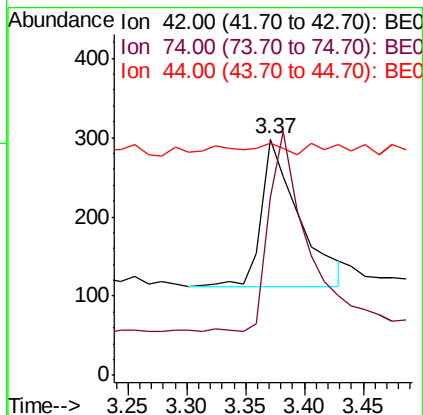
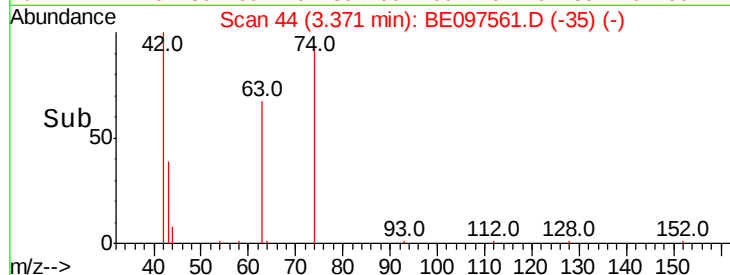
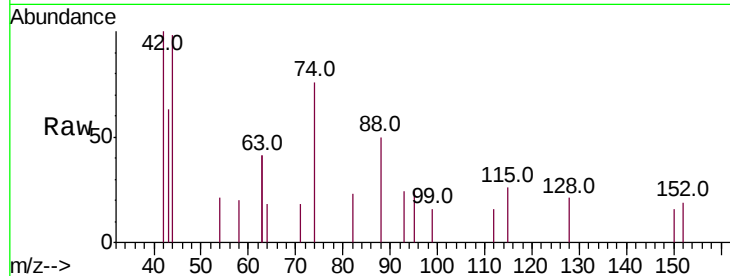
Tot Ion: 42 Resp: 414

Ion Ratio Lower Upper

42 100

74 129.0 96.0 144.0

44 5.1 12.0 18.0#



#4

2-Fluorophenol

Concen: 0.399 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.01 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

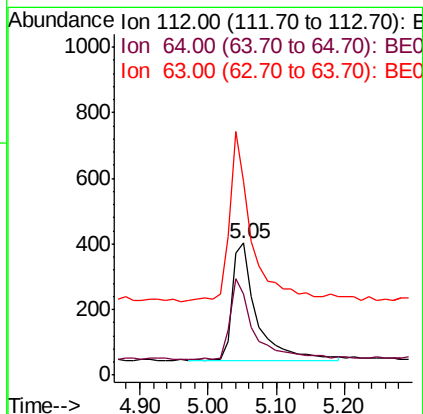
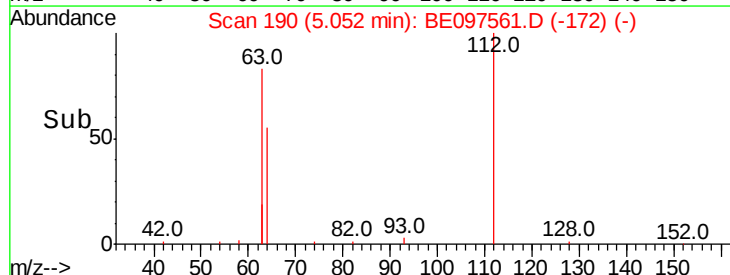
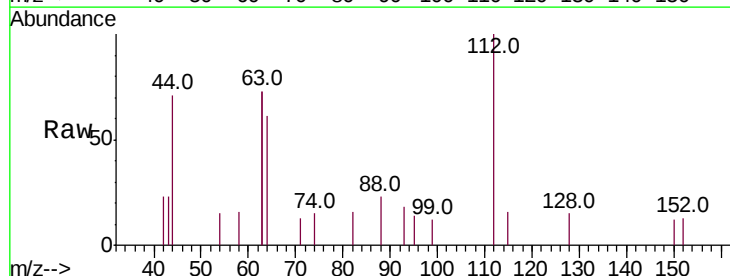
Tgt Ion: 112 Resp: 890

Ion Ratio Lower Upper

112 100

64 66.5 60.1 90.1

63 132.9 116.8 175.2





#5

Phenol-d6

Concen: 0.392 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

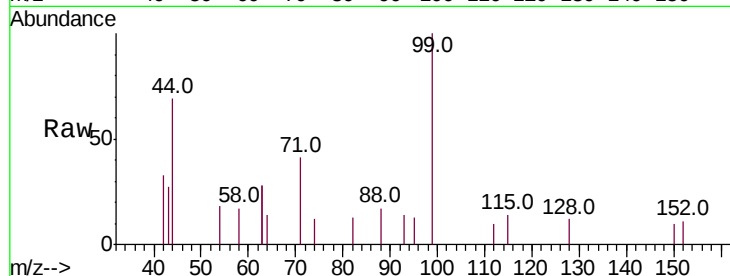
Tot Ion: 99 Resp: 1120

Ion Ratio Lower Upper

99 100

42 21.5 20.2 30.2

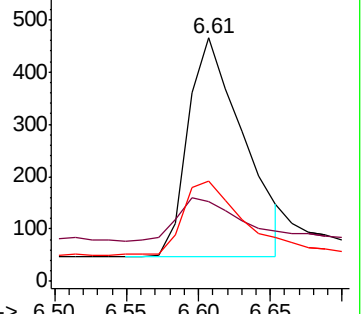
71 34.6 28.4 42.6



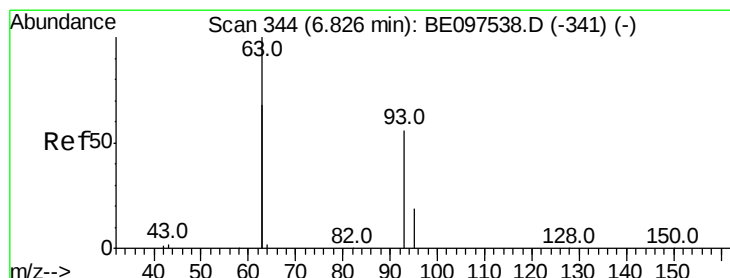
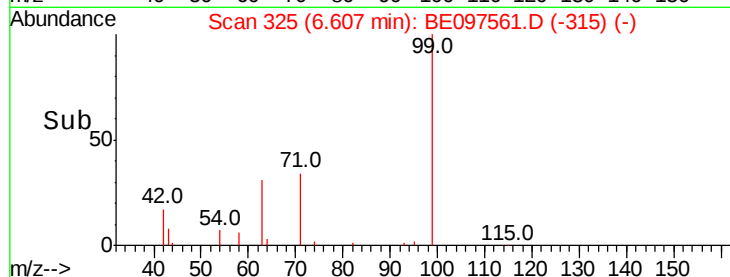
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.410 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

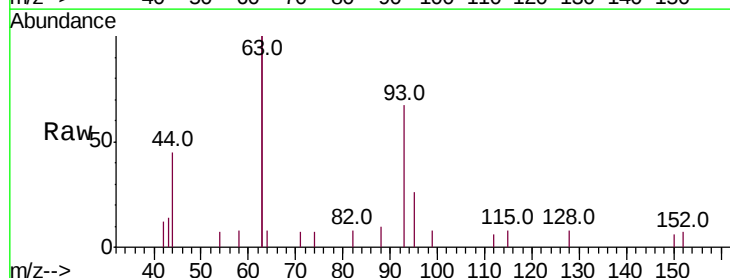
Tgt Ion: 93 Resp: 1086

Ion Ratio Lower Upper

93 100

63 271.7 275.3 412.9#

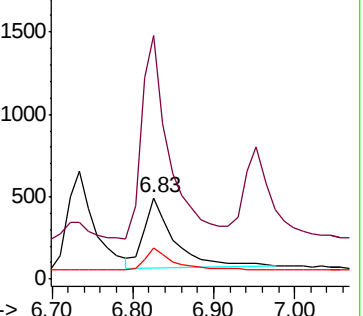
95 29.0 25.2 37.8



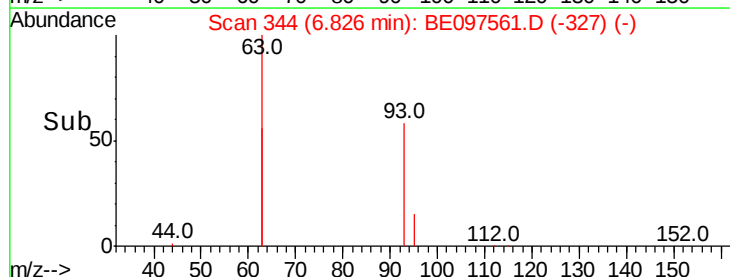
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3914

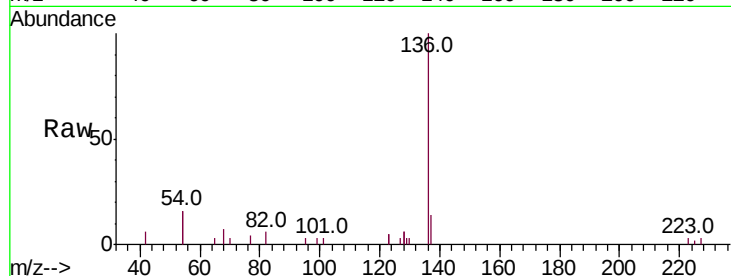
Ion Ratio Lower Upper

136 100

137 13.6 9.5 14.3

54 31.7 29.1 43.7

68 6.7 6.2 9.2

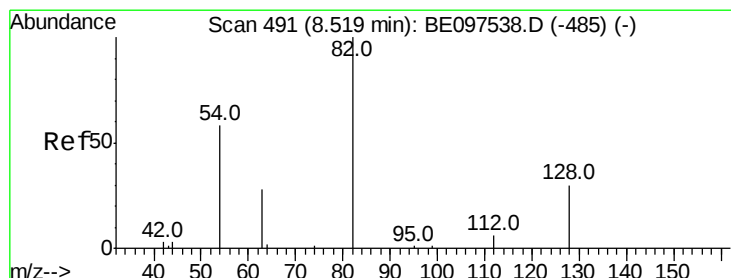
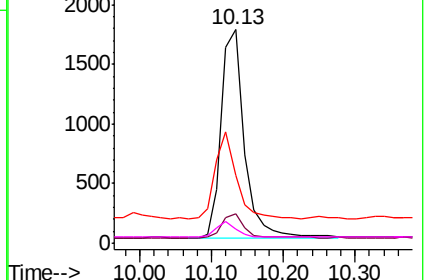
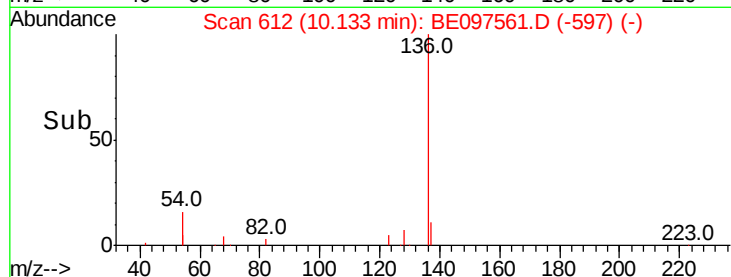


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.386 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

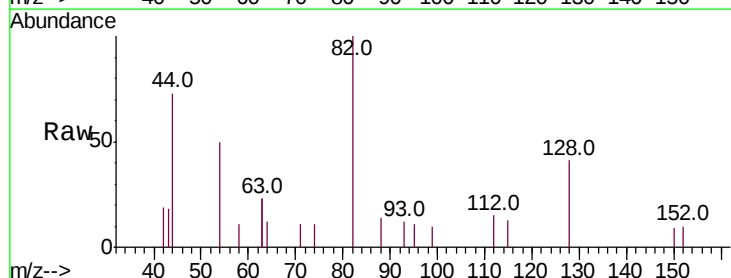
Tgt Ion: 82 Resp: 1167

Ion Ratio Lower Upper

82 100

128 41.4 24.0 36.0#

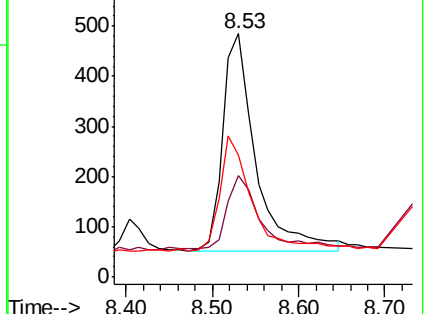
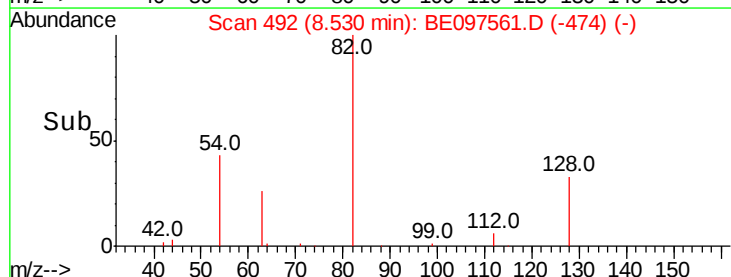
54 49.9 40.0 60.0

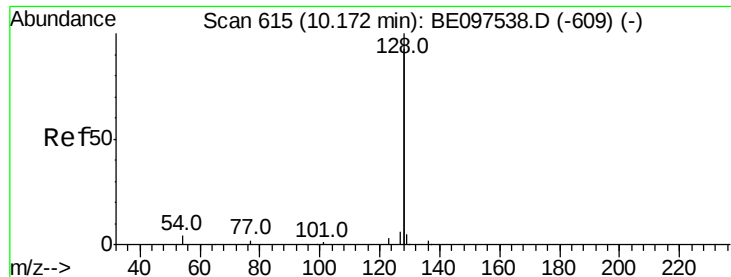


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.397 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

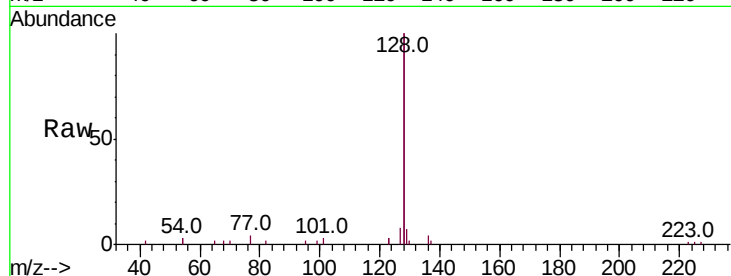
Tot Ion:128 Resp: 13989

Ion Ratio Lower Upper

128 100

129 3.4 2.6 3.8

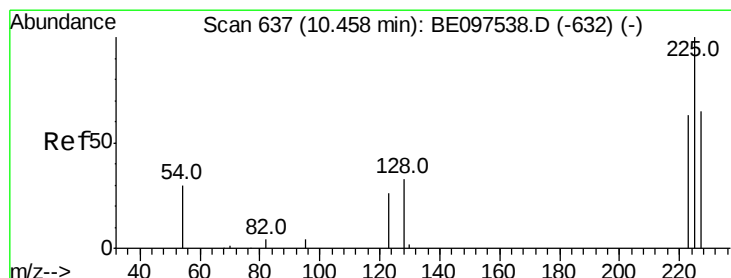
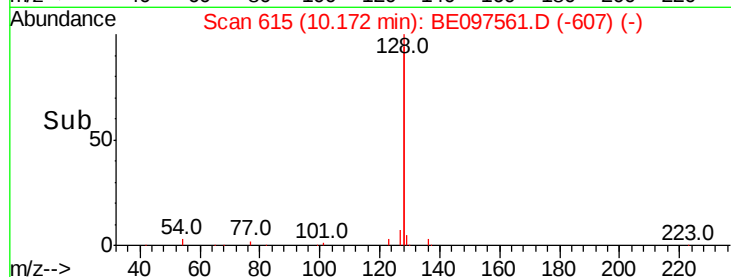
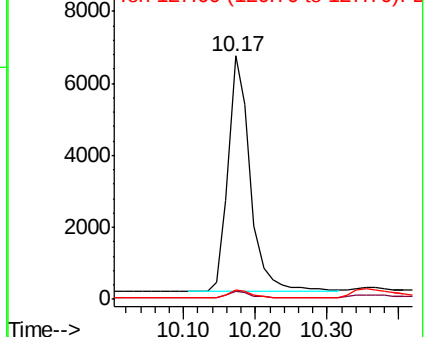
127 4.0 2.8 4.2



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: 0.376 ng

RT: 10.46 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

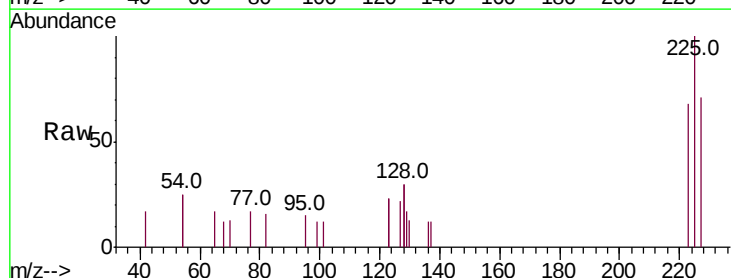
Tgt Ion:225 Resp: 611

Ion Ratio Lower Upper

225 100

223 65.0 53.0 79.6

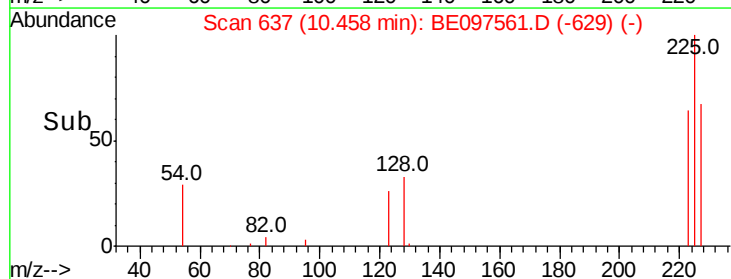
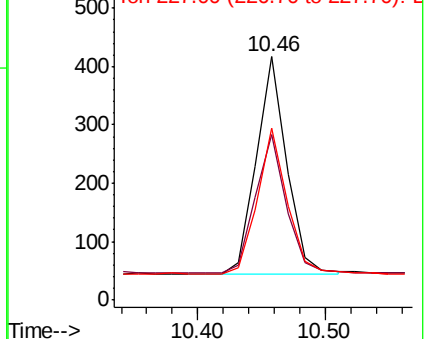
227 66.3 51.4 77.2

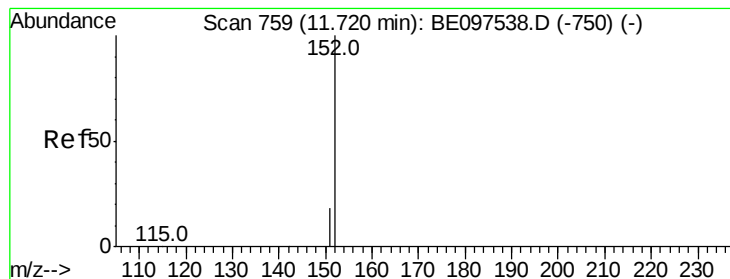


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.433 ng

RT: 11.72 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

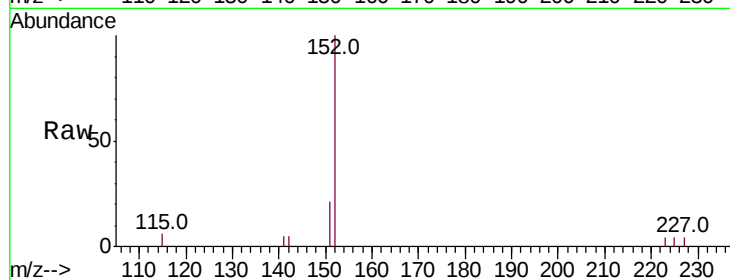
ClientSampleId :

Tot Ion:152 Resp: 2337

Ion Ratio Lower Upper

152 100

151 18.7 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

1200

1000

800

600

400

200

0

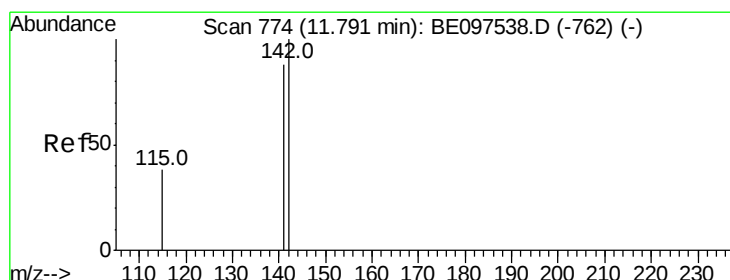
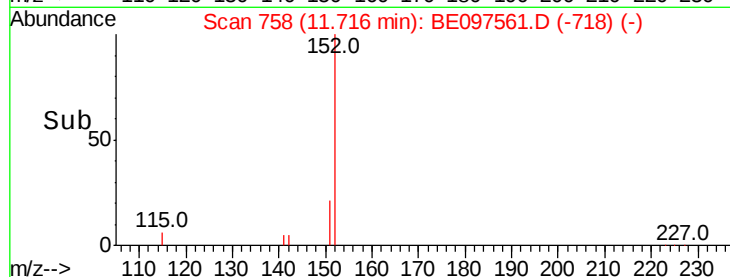
Time-->

11.60

11.70

11.80

11.90



#12

2-Methylnaphthalene

Concen: 0.425 ng

RT: 11.79 min Scan# 774

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

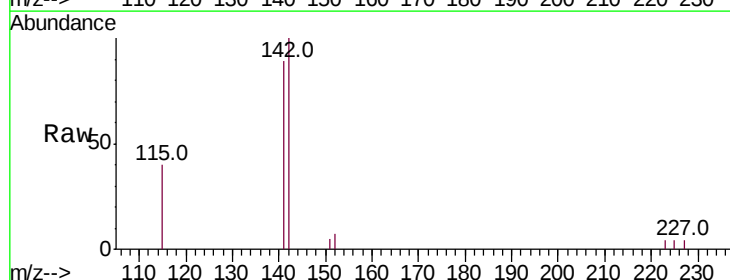
Tgt Ion:142 Resp: 2336

Ion Ratio Lower Upper

142 100

141 88.8 70.4 105.6

115 40.4 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

1500

1000

500

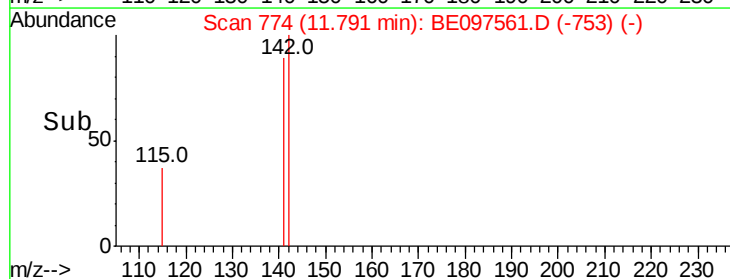
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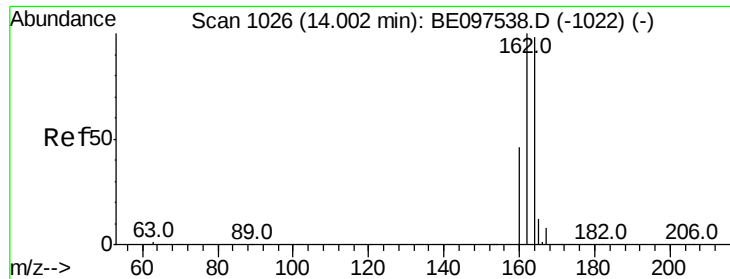
Time-->

11.70

11.80

11.90

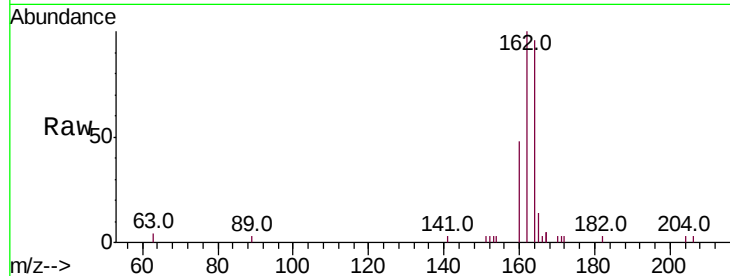




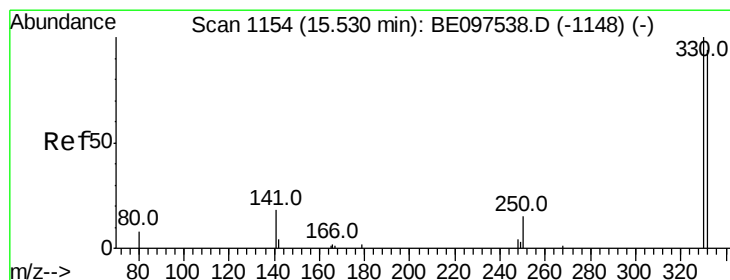
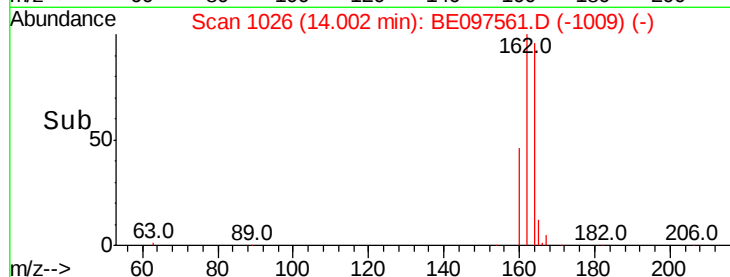
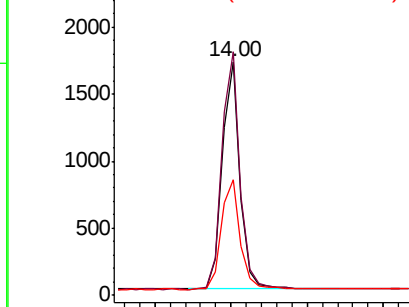
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BE097561.D
 Acq: 20 Sep 2018 4:03

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2787
 Ion Ratio Lower Upper
 164 100
 162 104.3 83.1 124.7
 160 49.8 37.1 55.7

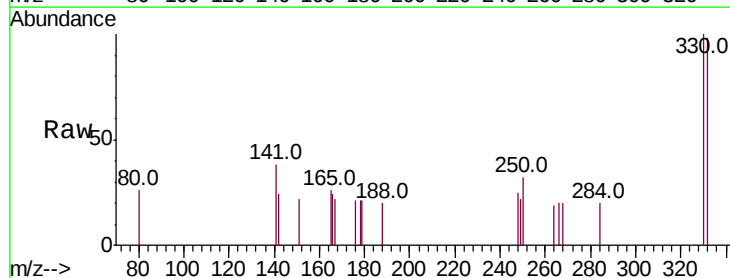


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

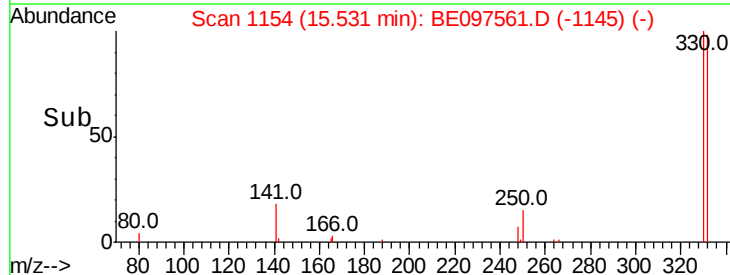
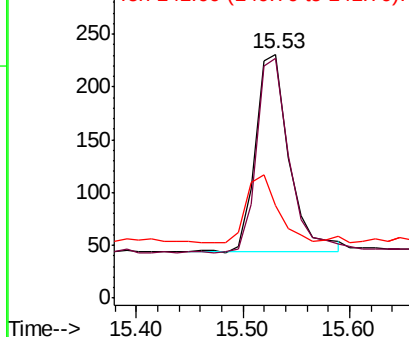


#14
 2,4,6-Tribromophenol
 Concen: 0.398 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097561.D
 Acq: 20 Sep 2018 4:03

Tgt Ion:330 Resp: 413
 Ion Ratio Lower Upper
 330 100
 332 96.4 152.7 229.1#
 141 33.4 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

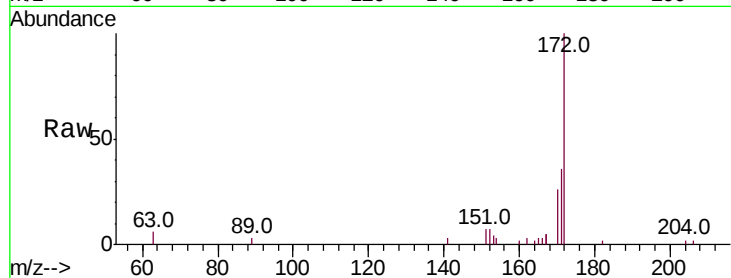




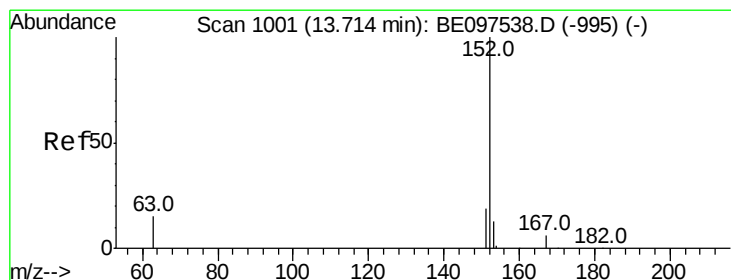
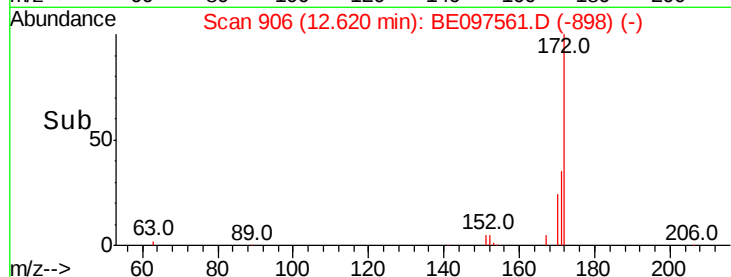
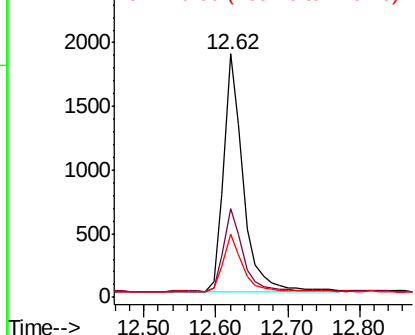
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 12.62 min Scan# 906
Delta R.T. -0.01 min
Lab File: BE097561.D
Acq: 20 Sep 2018 4:03

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 3538
Ion Ratio Lower Upper
172 100
171 36.3 29.9 44.9
170 26.0 21.8 32.8

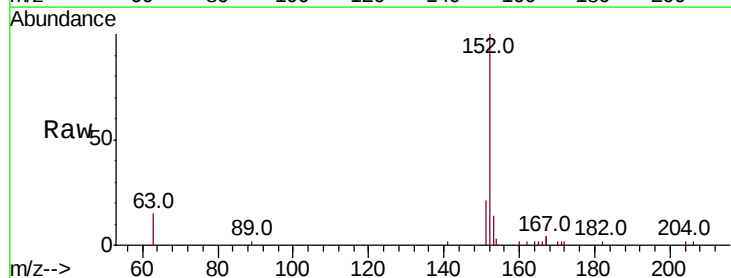


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

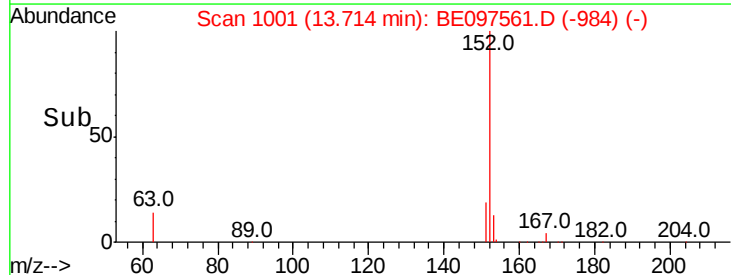
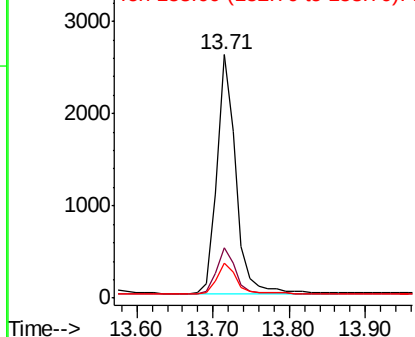


#16
Acenaphthylene
Concen: 0.408 ng
RT: 13.71 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BE097561.D
Acq: 20 Sep 2018 4:03

Tgt Ion:152 Resp: 4493
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 12.9 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: 0.403 ng

RT: 14.06 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

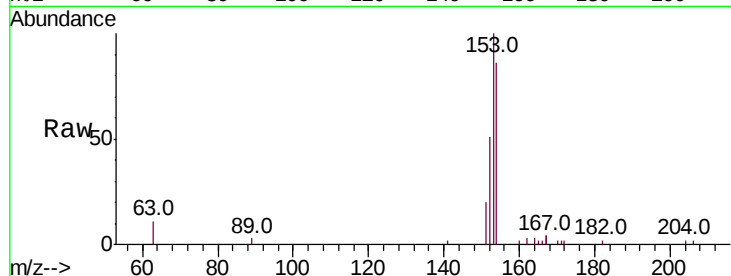
Tot Ion:154 Resp: 2977

Ion Ratio Lower Upper

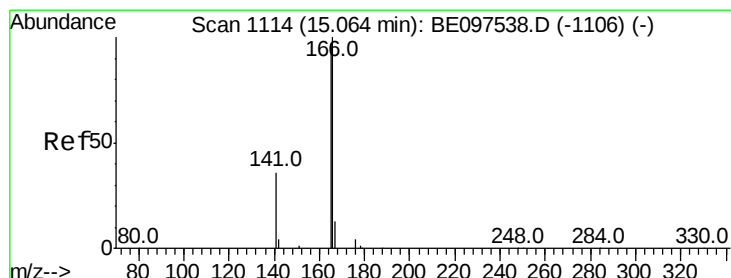
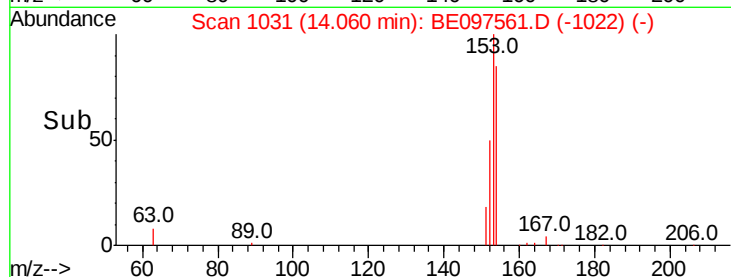
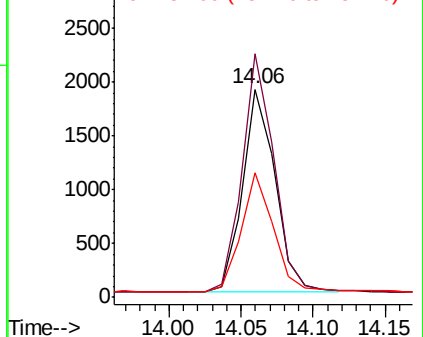
154 100

153 114.8 89.2 133.8

152 57.2 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: 0.423 ng

RT: 15.05 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

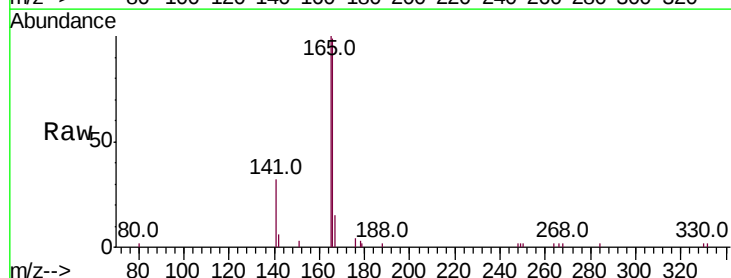
Tgt Ion:166 Resp: 4071

Ion Ratio Lower Upper

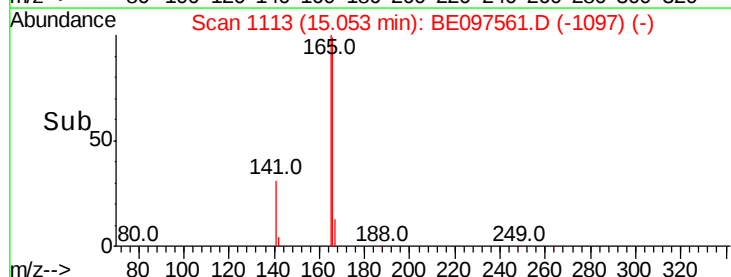
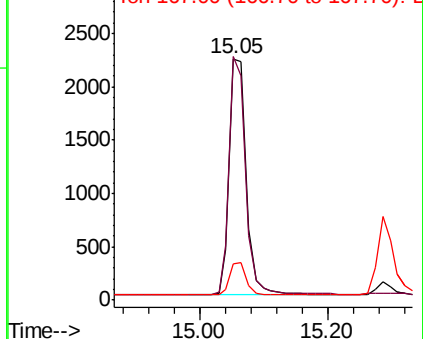
166 100

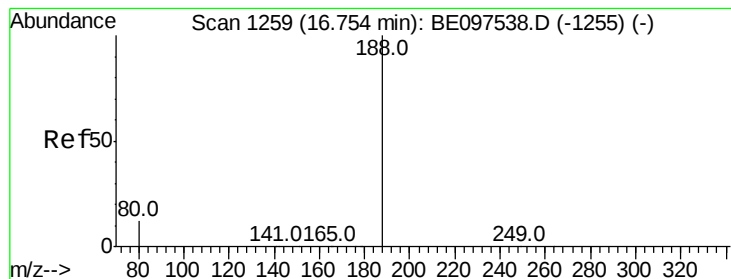
165 96.4 77.8 116.6

167 13.3 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# 1259

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

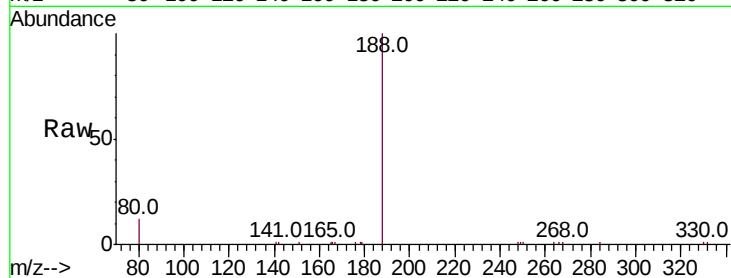
Tot Ion:188 Resp: 8325

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

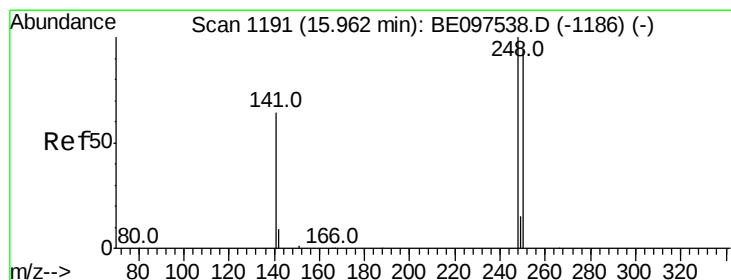
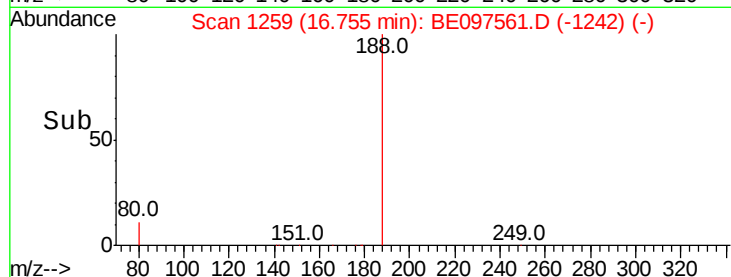
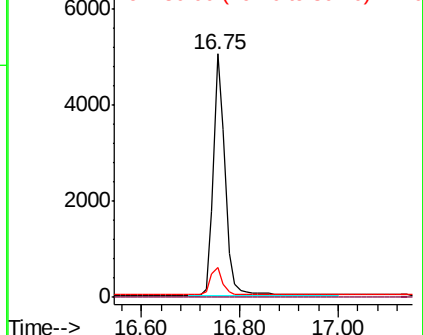
80 12.3 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.390 ng

RT: 15.96 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

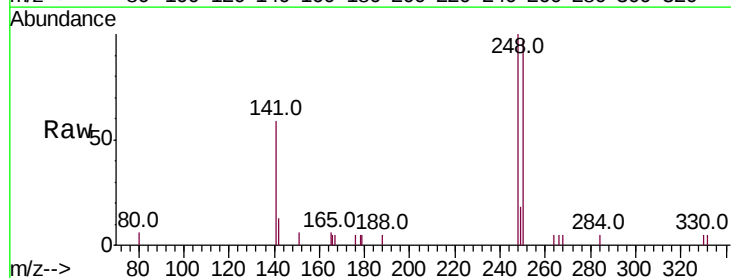
Tgt Ion:248 Resp: 1462

Ion Ratio Lower Upper

248 100

250 96.6 62.7 94.1#

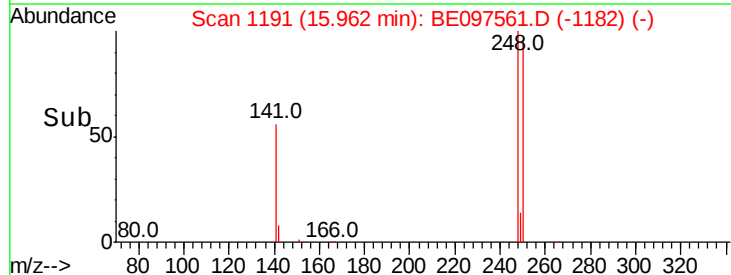
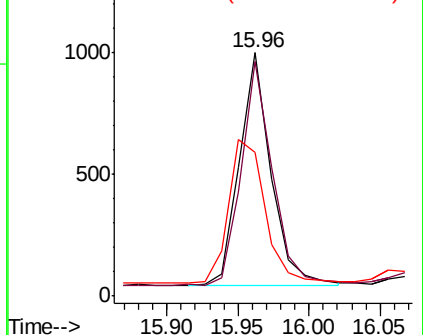
141 59.1 48.2 72.2



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

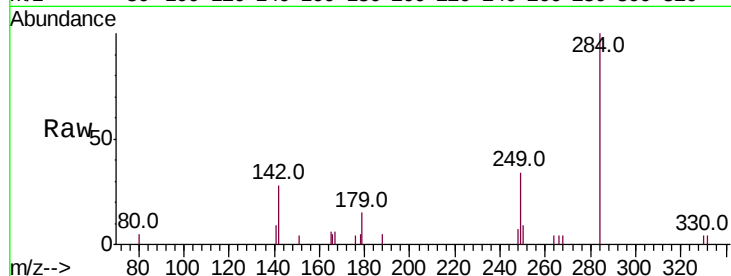




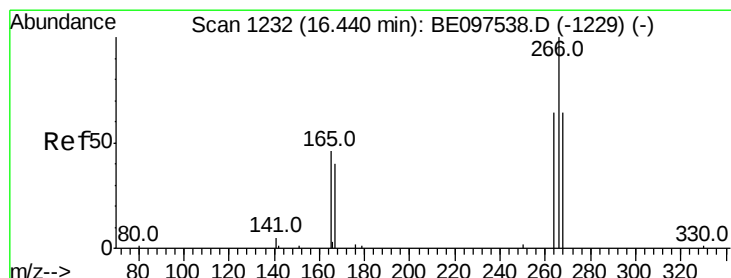
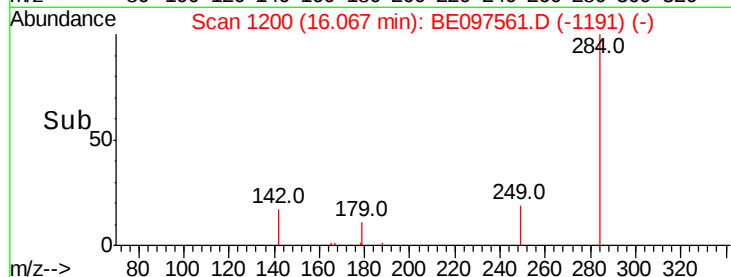
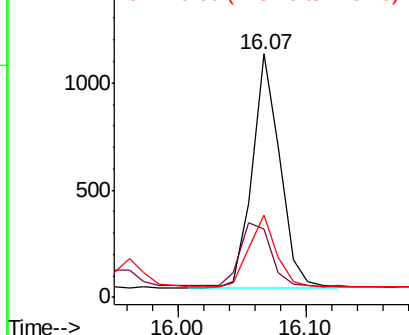
#21
Hexachlorobenzene
Concen: 0.397 ng
RT: 16.07 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BE097561.D
Acq: 20 Sep 2018 4:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 1638
Ion Ratio Lower Upper
284 100
142 30.6 22.1 33.1
249 29.5 34.8 52.2#

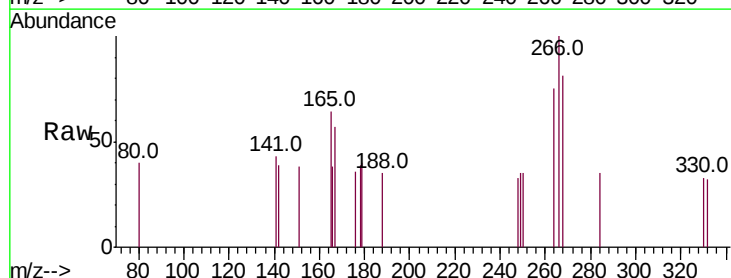


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

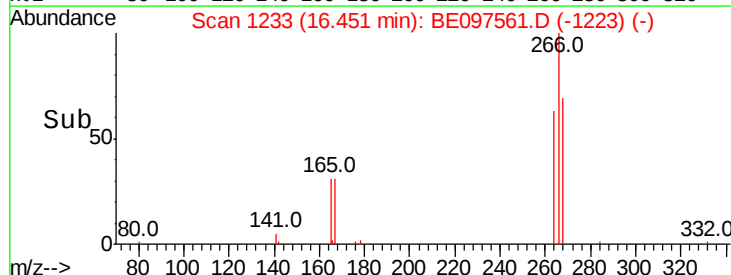
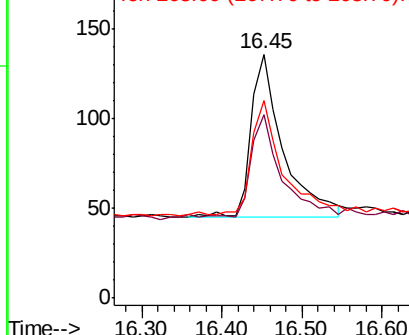


#22
Pentachlorophenol
Concen: 0.268 ng
RT: 16.45 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BE097561.D
Acq: 20 Sep 2018 4:03

Tgt Ion:266 Resp: 255
Ion Ratio Lower Upper
266 100
264 75.0 72.5 108.7
268 80.9 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: 0.380 ng

RT: 16.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

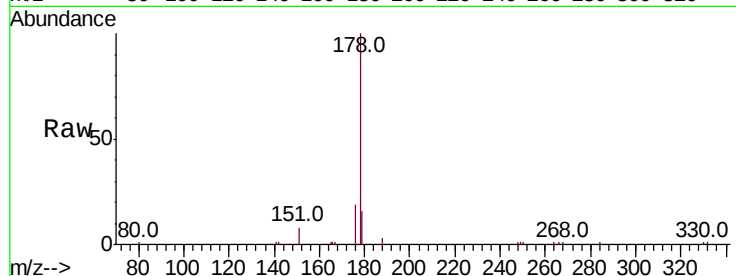
Tot Ion:178 Resp: 7513

Ion Ratio Lower Upper

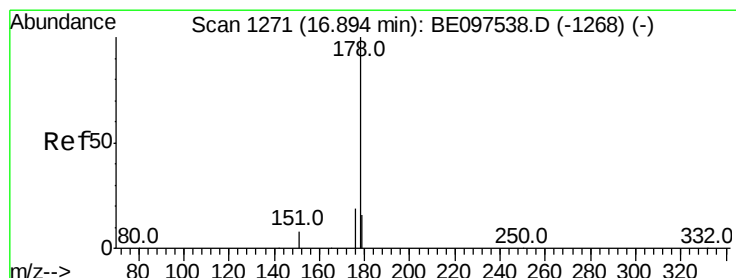
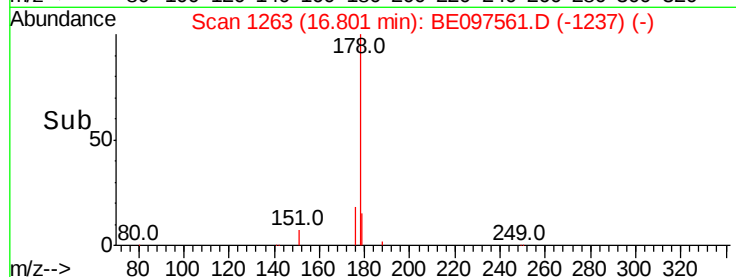
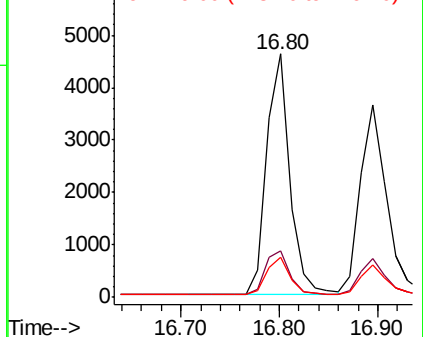
178 100

176 19.2 15.1 22.7

179 15.6 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: 0.378 ng

RT: 16.89 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

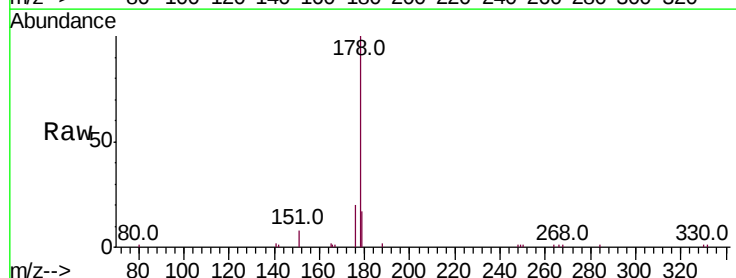
Tgt Ion:178 Resp: 6606

Ion Ratio Lower Upper

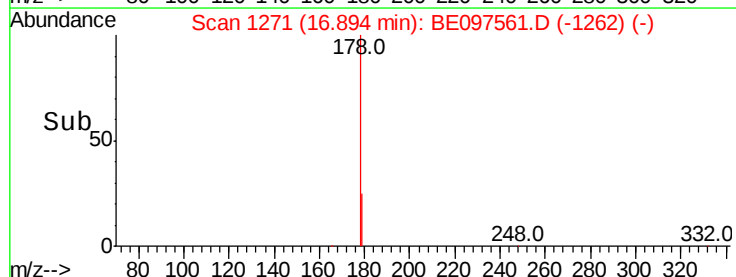
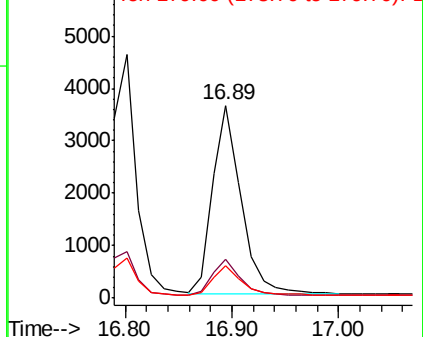
178 100

176 19.2 12.8 19.2

179 15.1 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: 0.329 ng

RT: 18.80 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

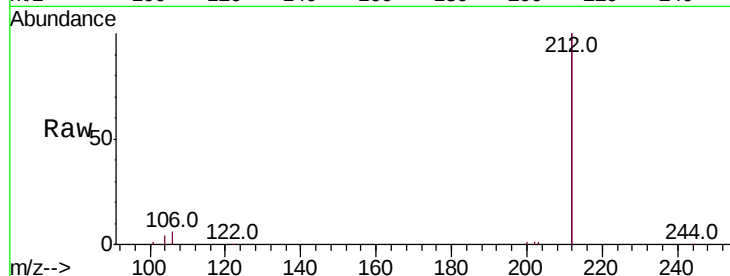
Tot Ion:212 Resp: 35115

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

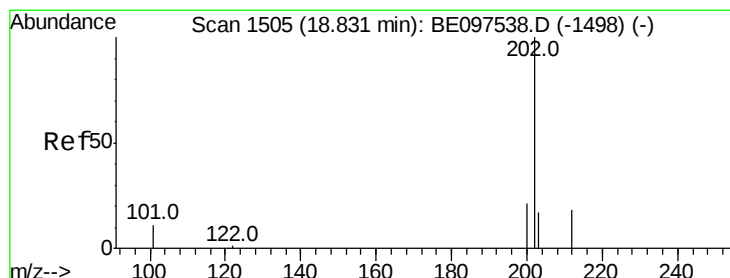
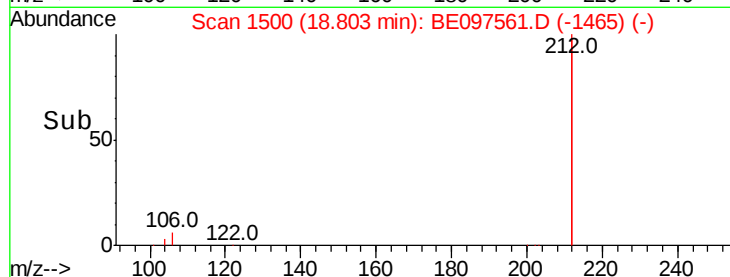
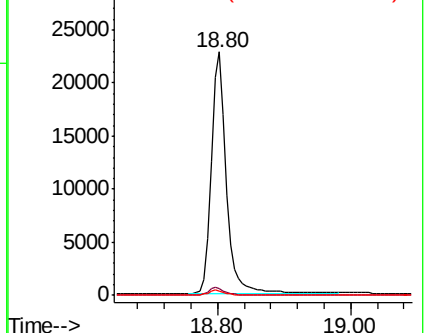
104 1.8 1.6 2.4



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: 0.331 ng

RT: 18.83 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

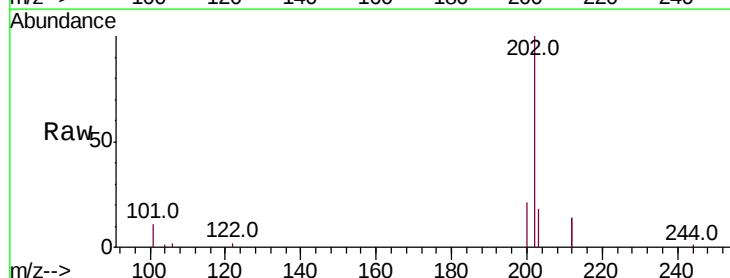
Tgt Ion:202 Resp: 9079

Ion Ratio Lower Upper

202 100

101 10.7 9.8 14.8

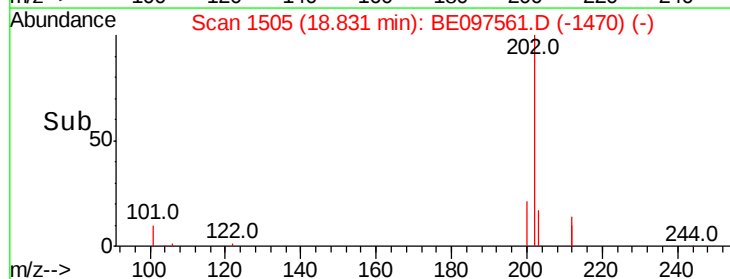
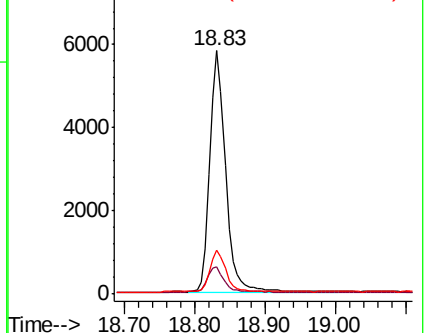
203 17.2 13.7 20.5

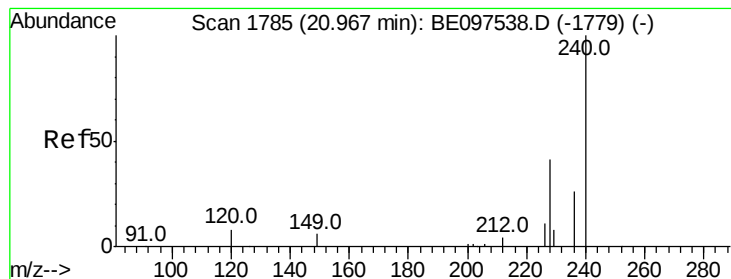


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1785

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

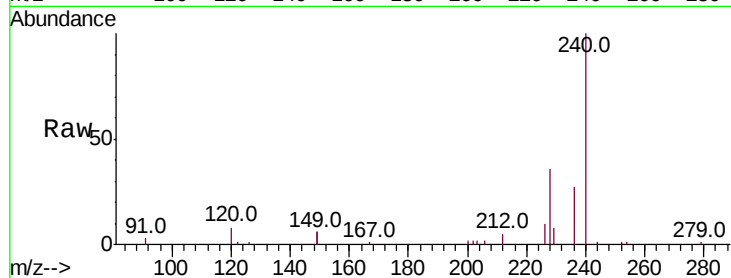
Tot Ion:240 Resp: 9153

Ion Ratio Lower Upper

240 100

120 8.2 5.5 8.3

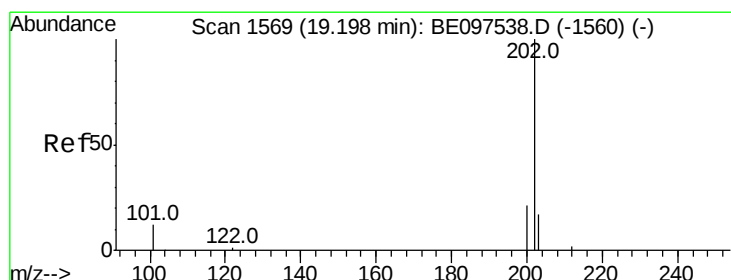
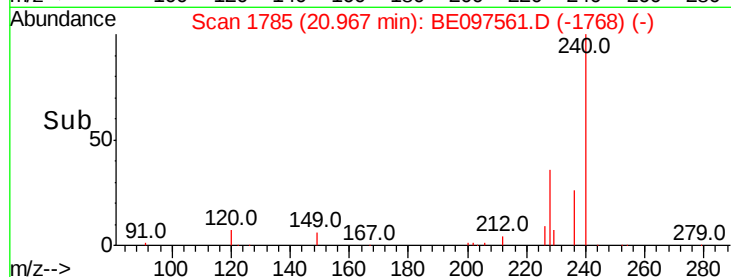
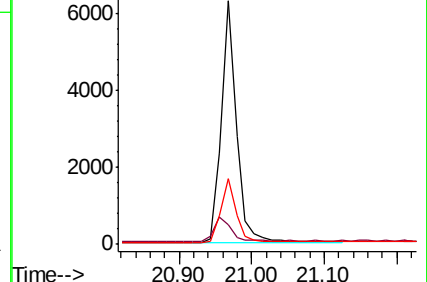
236 27.1 20.7 31.1



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: 0.454 ng

RT: 19.20 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

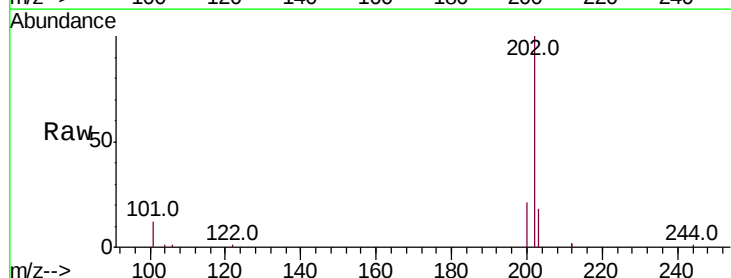
Tgt Ion:202 Resp: 9463

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

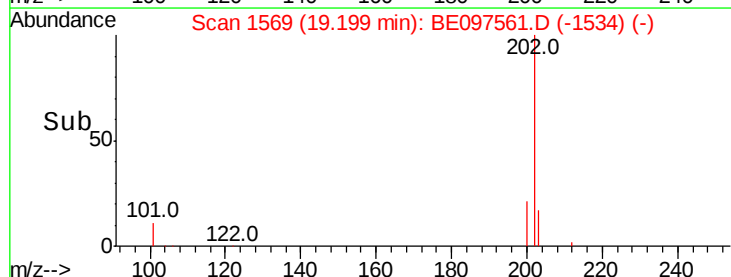
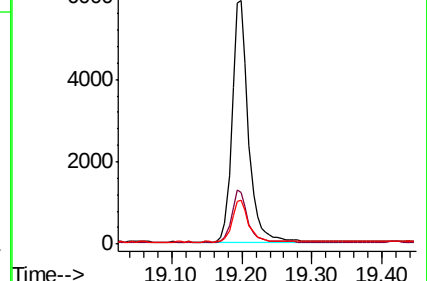
203 17.4 13.8 20.8



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: 0.416 ng

RT: 19.42 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

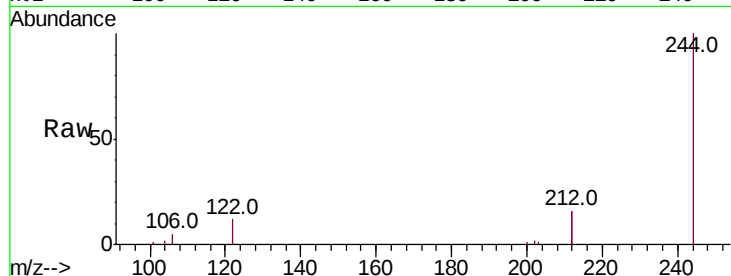
Tot Ion:244 Resp: 6973

Ion Ratio Lower Upper

244 100

212 32.6 25.4 38.0

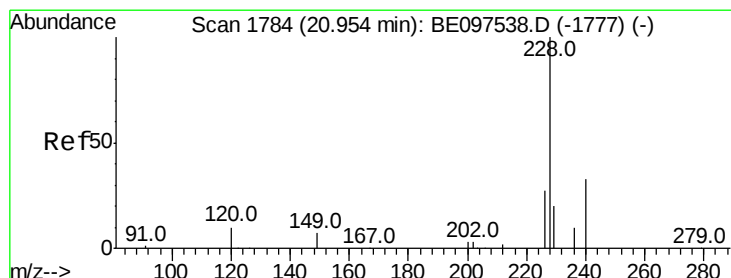
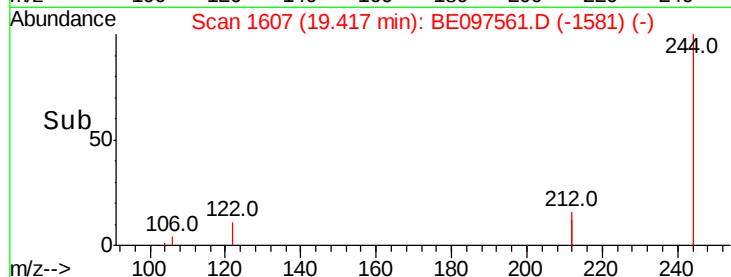
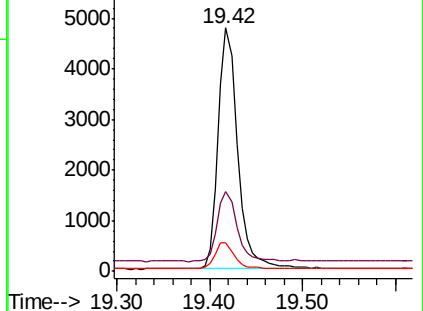
122 11.9 8.1 12.1



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: 0.399 ng

RT: 20.96 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

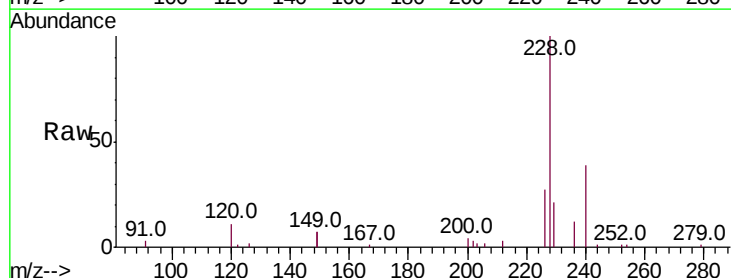
Tgt Ion:228 Resp: 9206

Ion Ratio Lower Upper

228 100

226 27.3 24.0 36.0

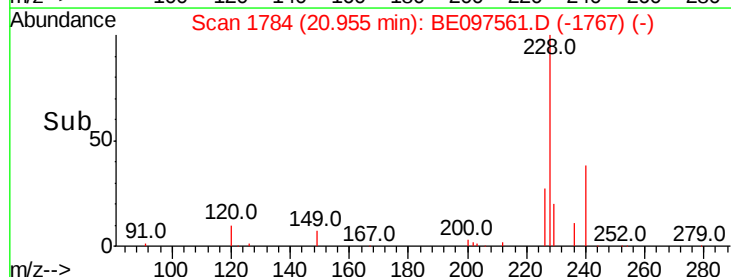
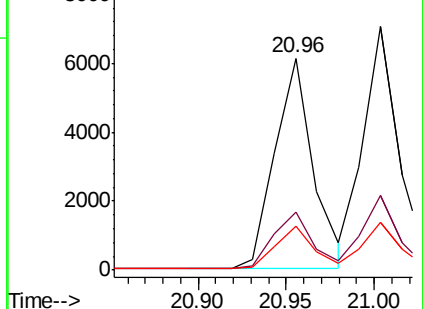
229 20.8 16.0 24.0



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



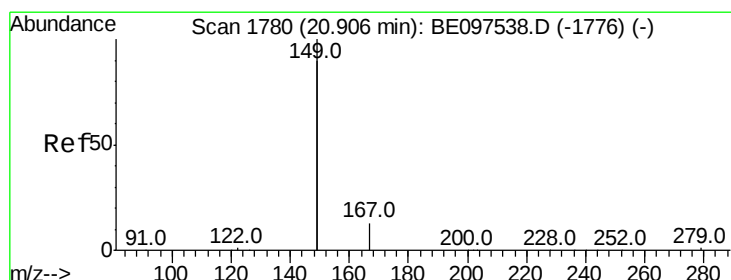
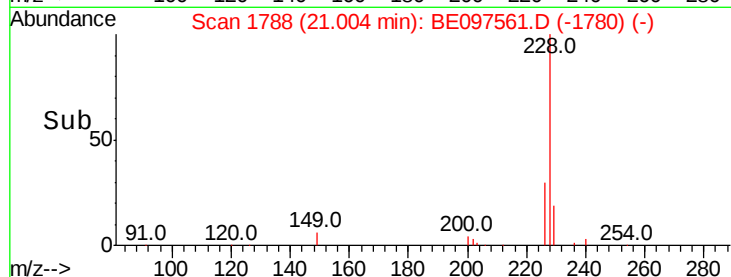
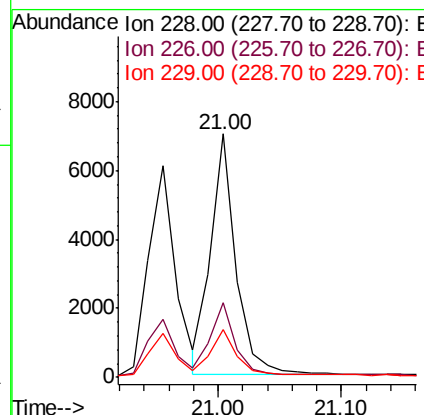
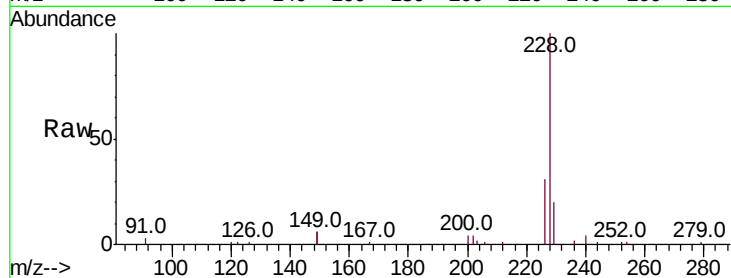


#31
 Chrysene
 Concen: 0.396 ng
 RT: 21.00 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BE097561.D
 Acq: 20 Sep 2018 4:03

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:228 Resp: 9783

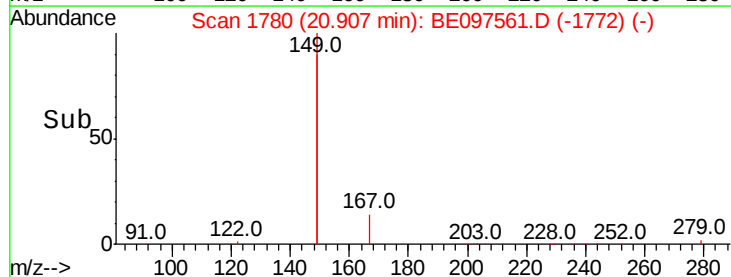
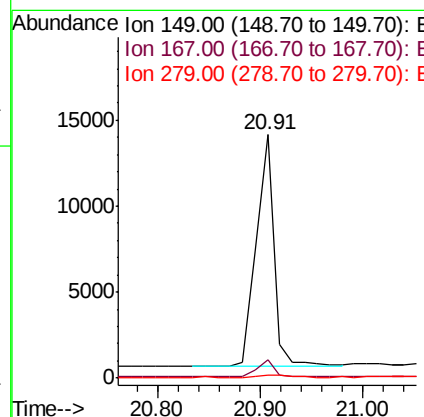
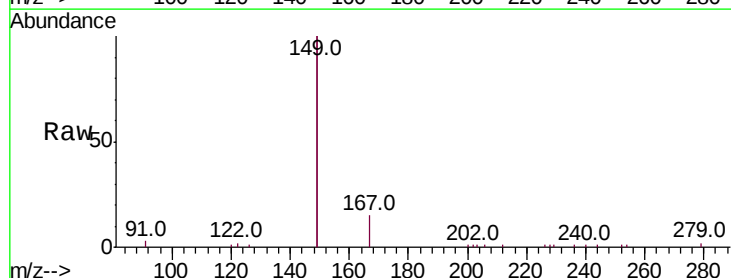
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	19.8	16.0	24.0



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.431 ng
 RT: 20.91 min Scan# 1780
 Delta R.T. 0.00 min
 Lab File: BE097561.D
 Acq: 20 Sep 2018 4:03

Tgt Ion:149 Resp: 16285

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





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.394 ng

RT: 25.50 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

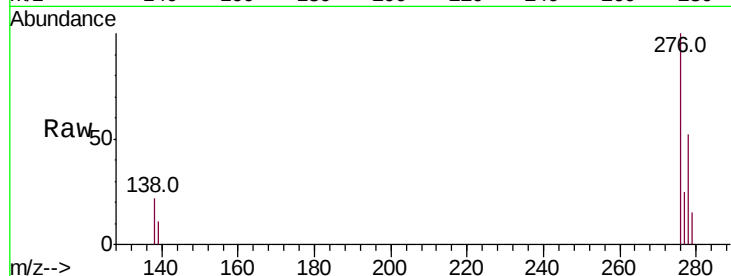
Tot Ion:276 Resp: 11742

Ion Ratio Lower Upper

276 100

138 21.4 22.5 33.7#

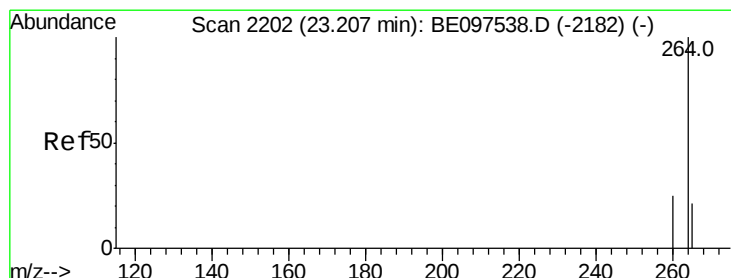
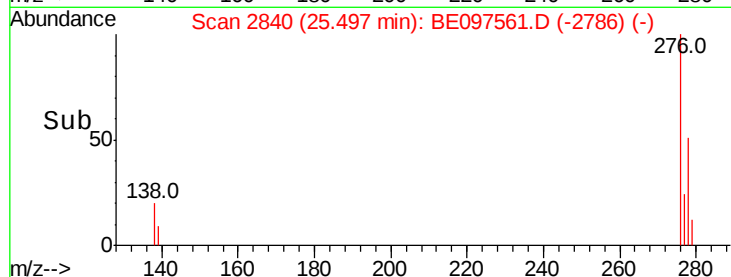
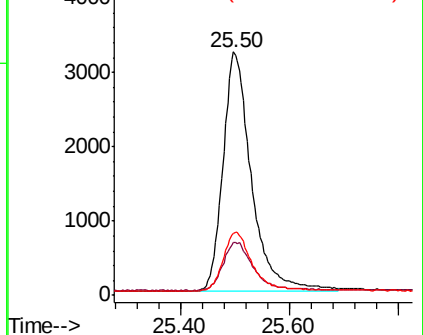
277 24.9 19.9 29.9



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# 2201

Delta R.T. -0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

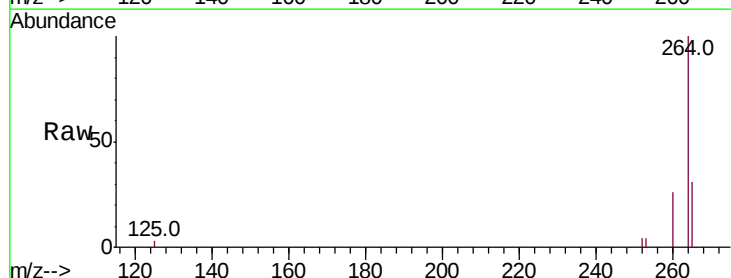
Tgt Ion:264 Resp: 9236

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

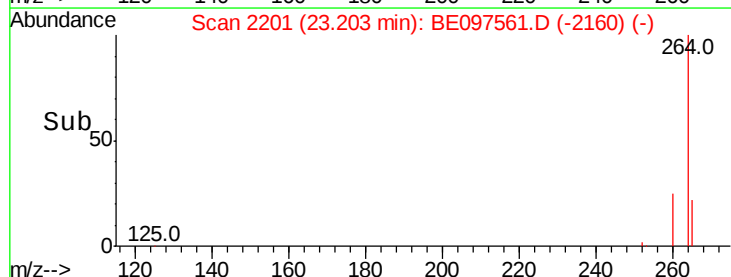
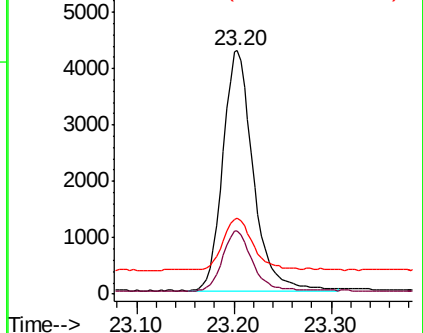
265 31.0 22.8 34.2



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: 0.383 ng

RT: 22.53 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

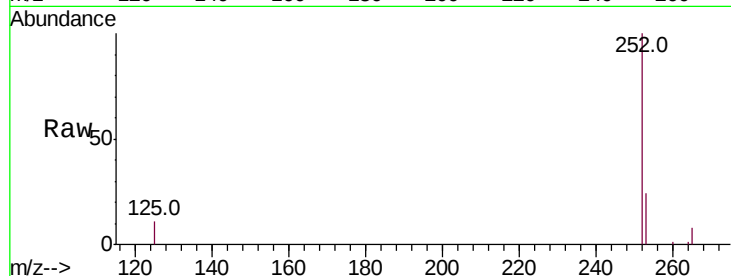
Tot Ion:252 Resp: 9059

Ion Ratio Lower Upper

252 100

253 24.2 20.0 30.0

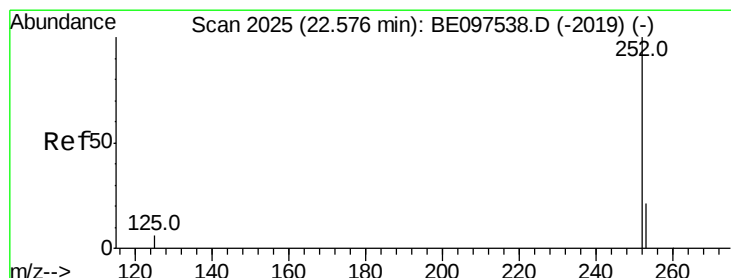
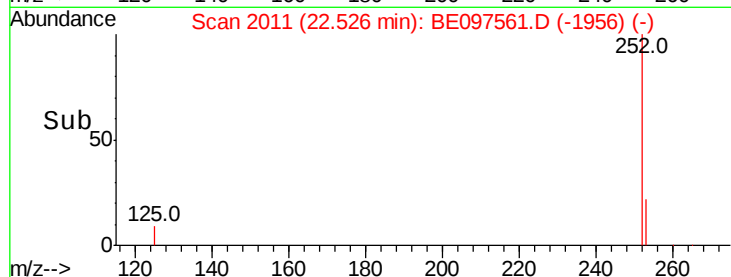
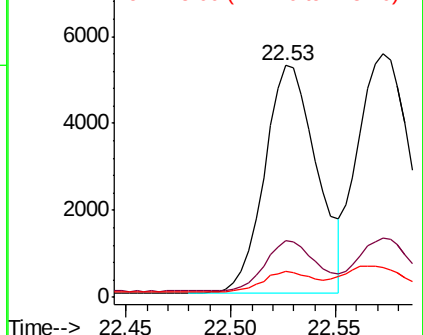
125 11.0 16.0 24.0#



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: 0.377 ng

RT: 22.57 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

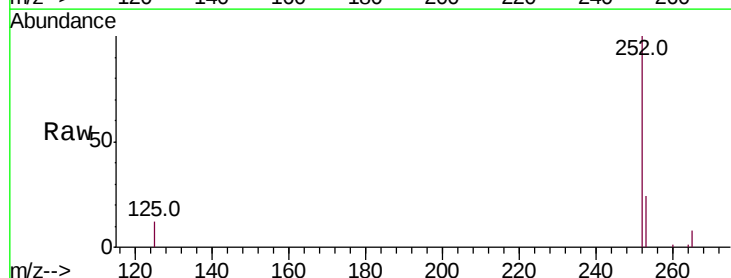
Tgt Ion:252 Resp: 10207

Ion Ratio Lower Upper

252 100

253 24.2 16.0 24.0#

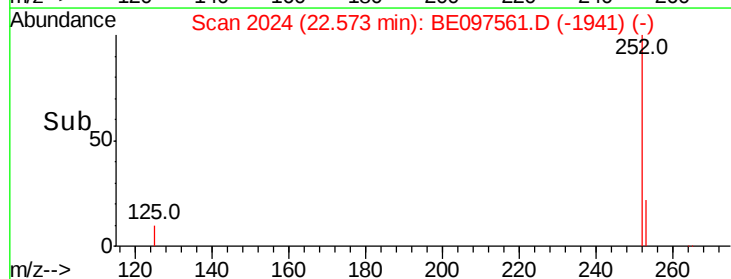
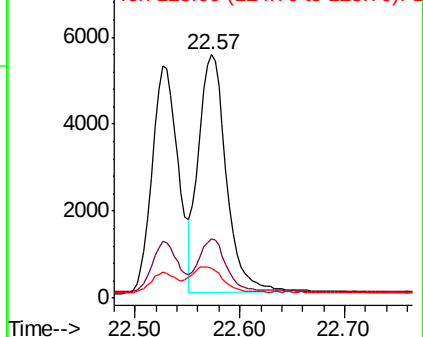
125 12.4 8.0 12.0#



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: 0.399 ng

RT: 23.11 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampled :

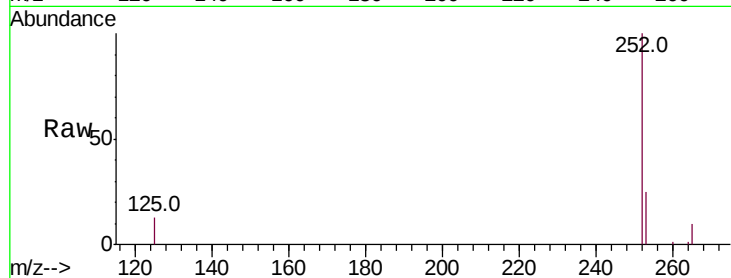
Tot Ion:252 Resp: 9150

Ion Ratio Lower Upper

252 100

253 25.2 16.0 24.0#

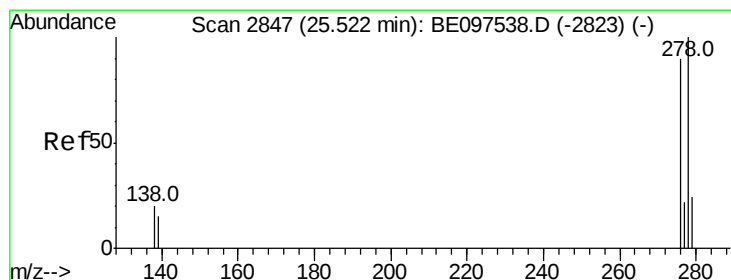
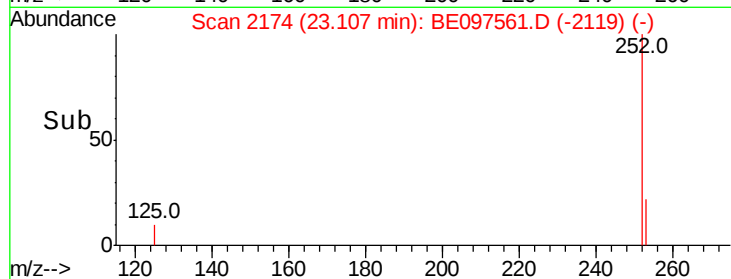
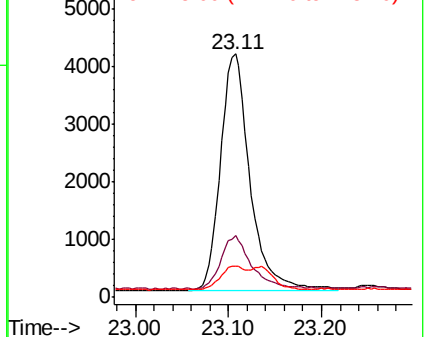
125 12.8 12.0 18.0



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: 0.396 ng

RT: 25.51 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

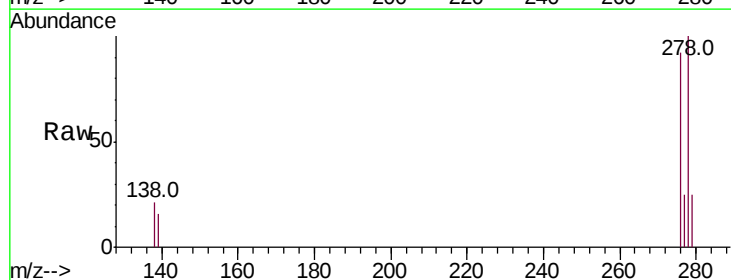
Tgt Ion:278 Resp: 9824

Ion Ratio Lower Upper

278 100

139 16.1 16.0 24.0

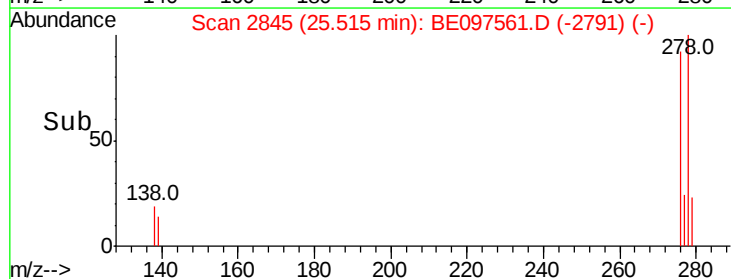
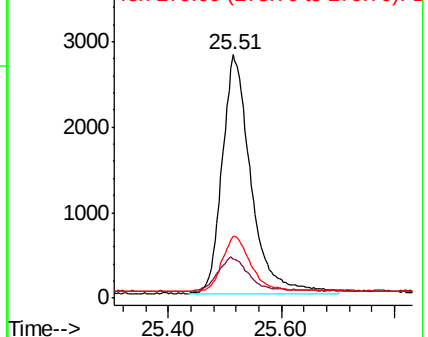
279 25.5 20.0 30.0



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: 0.394 ng

RT: 26.20 min Scan# 3037

Delta R.T. -0.00 min

Lab File: BE097561.D

Acq: 20 Sep 2018 4:03

Instrument :

BNA_E

ClientSampleId :

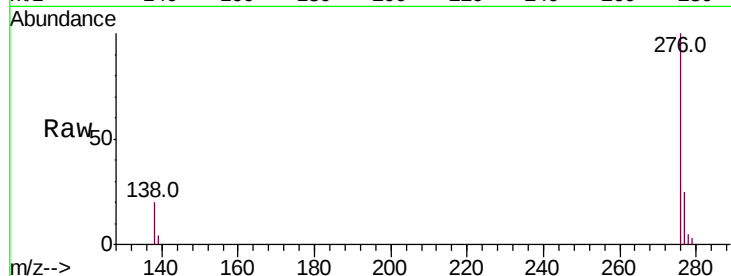
Tot Ion:276 Resp: 9523

Ion Ratio Lower Upper

276 100

277 25.2 16.0 24.0#

138 20.2 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

