

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091718\
 Data File : BE097497.D
 Acq On : 17 Sep 2018 15:52
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 18 05:49:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 17 18:57:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	901	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4295	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2515	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	6808	0.40	ng	-0.01
27) Chrysene-d12	20.97	240	8289	0.40	ng	0.00
34) Perylene-d12	23.21	264	8528	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1191	0.39	ng	0.00
5) Phenol-d6	6.61	99	1464	0.38	ng	0.00
8) Nitrobenzene-d5	8.53	82	1303	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2465	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	443	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3668	0.42	ng	0.00
25) Fluoranthene-d10	18.80	212	32757	0.40	ng	0.00
29) Terphenyl-d14	19.42	244	6572	0.41	ng	0.00

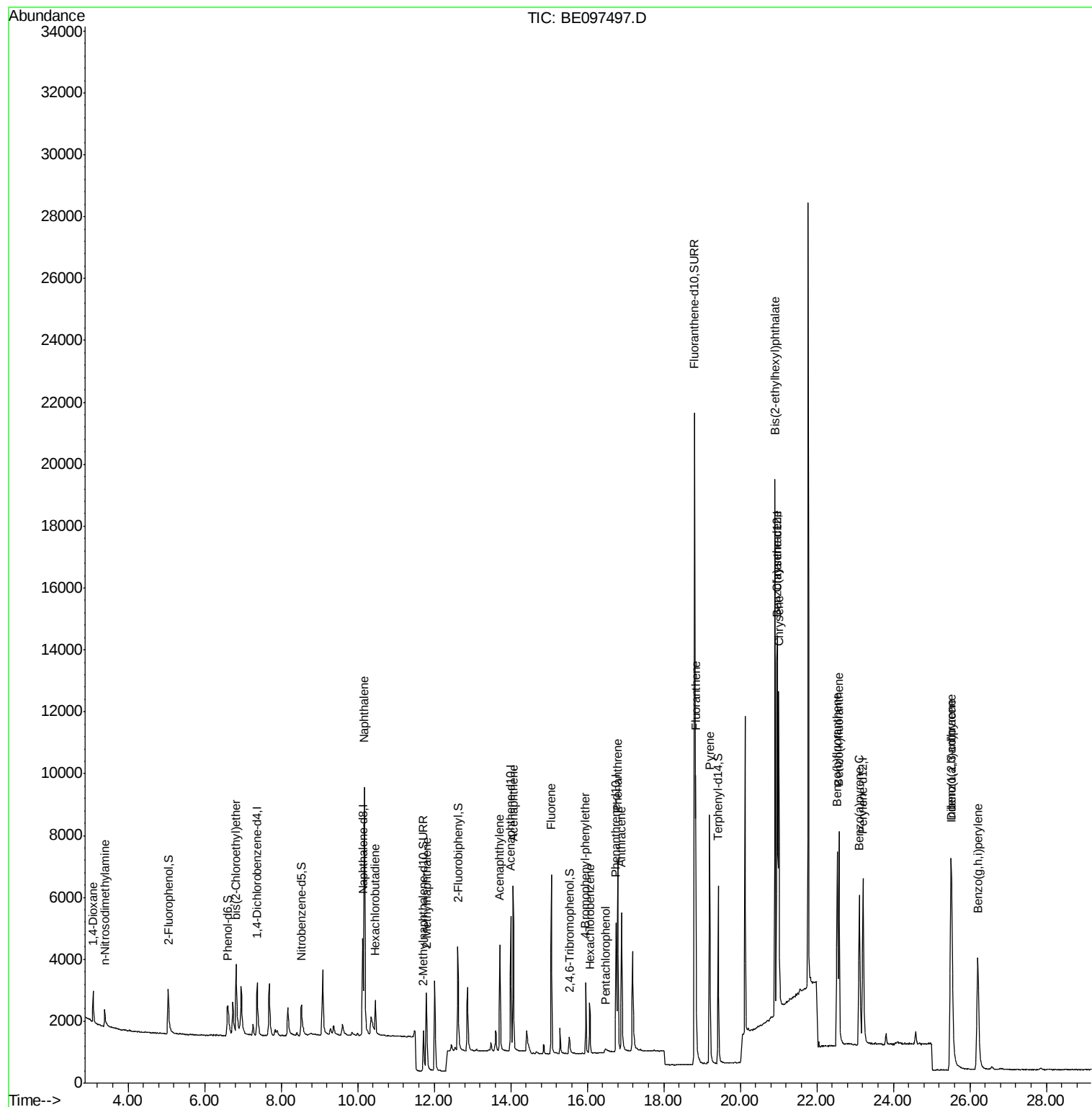
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	665	0.427	ng	# 85
3) n-Nitrosodimethylamine	3.38	42	473	0.363	ng	# 90
6) bis(2-Chloroethyl)ether	6.83	93	1281	0.414	ng	# 69
9) Naphthalene	10.17	128	15953	0.409	ng	99
10) Hexachlorobutadiene	10.46	225	746	0.403	ng	96
12) 2-Methylnaphthalene	11.79	142	2565	0.411	ng	97
16) Acenaphthylene	13.72	152	4191	0.383	ng	99
17) Acenaphthene	14.06	154	2823	0.418	ng	96
18) Fluorene	15.06	166	3572	0.415	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	1296	0.394	ng	# 84
21) Hexachlorobenzene	16.08	284	1415	0.406	ng	# 84
22) Pentachlorophenol	16.49	266	182	0.418	ng	89
23) Phenanthrene	16.80	178	6677	0.417	ng	98
24) Anthracene	16.89	178	5788	0.391	ng	96
26) Fluoranthene	18.83	202	8367	0.401	ng	98
28) Pyrene	19.20	202	8848	0.415	ng	100
30) Benzo(a)anthracene	20.96	228	8543	0.392	ng	97
31) Chrysene	21.00	228	9593	0.429	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	17957	0.388	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.50	276	11295	0.424	ng	# 92
35) Benzo(b)fluoranthene	22.53	252	8688	0.399	ng	# 92
36) Benzo(k)fluoranthene	22.58	252	9919	0.417	ng	# 92
37) Benzo(a)pyrene	23.11	252	8929	0.412	ng	# 92
38) Dibenzo(a,h)anthracene	25.52	278	9388	0.415	ng	94
39) Benzo(g,h,i)perylene	26.21	276	9388	0.407	ng	# 89

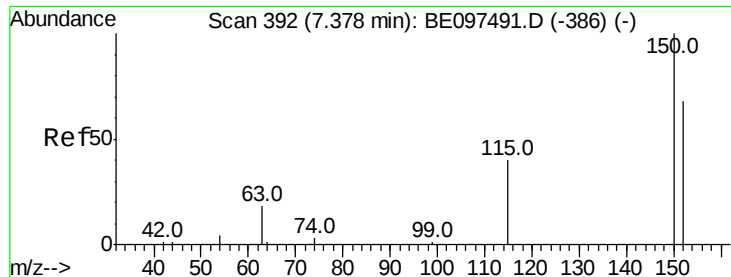
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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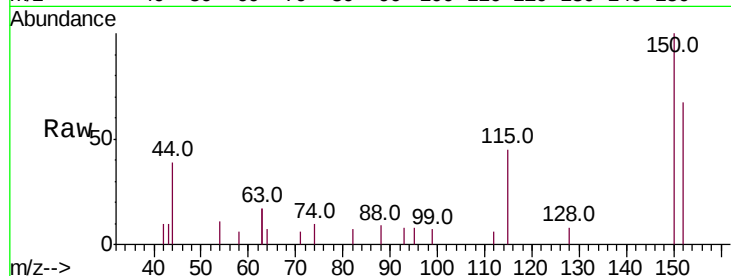


#1

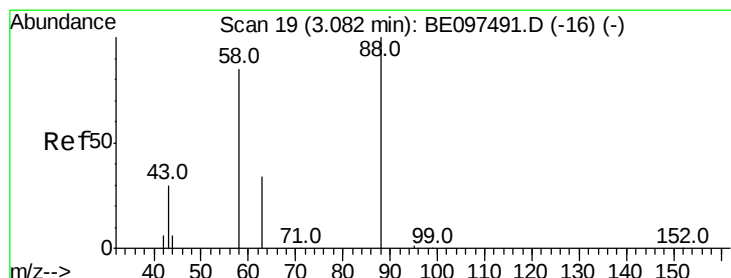
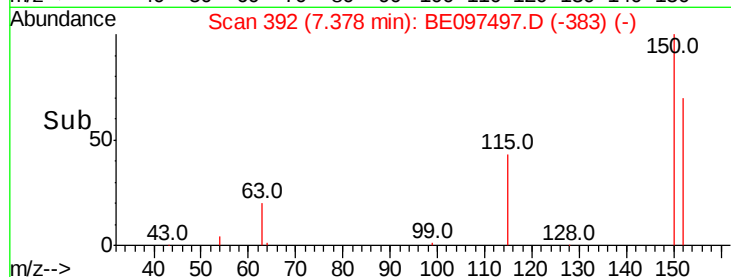
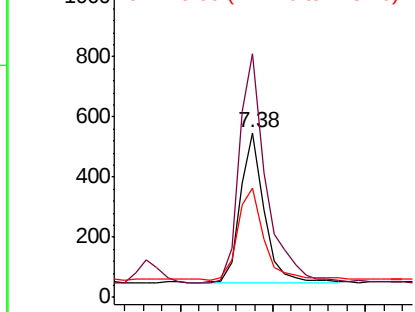
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097497.D
Acq: 17 Sep 2018 15:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 901
Ion Ratio Lower Upper
152 100
150 148.2 117.2 175.8
115 66.5 57.0 85.6



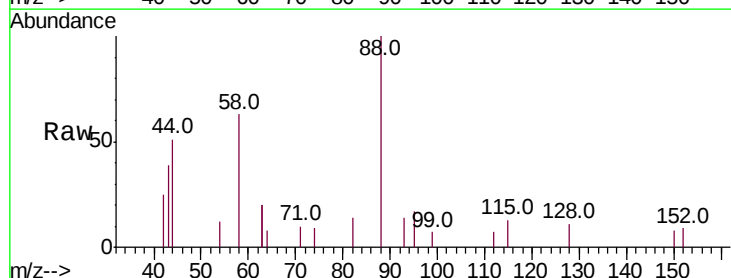
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



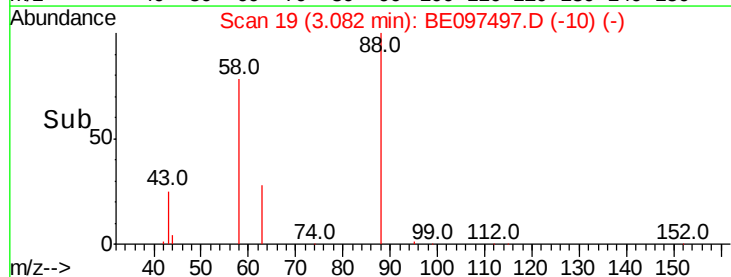
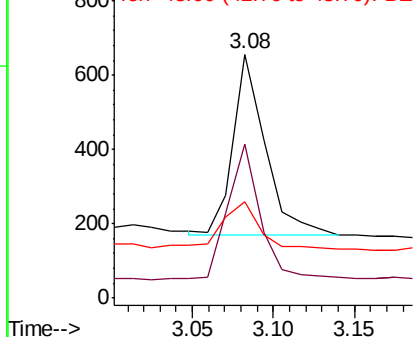
#2

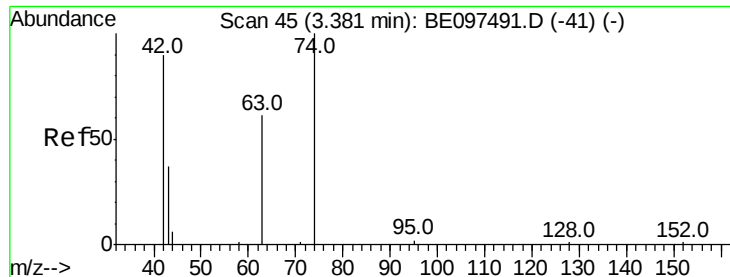
1,4-Dioxane
Concen: 0.427 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.00 min
Lab File: BE097497.D
Acq: 17 Sep 2018 15:52

Tgt Ion: 88 Resp: 665
Ion Ratio Lower Upper
88 100
58 75.6 63.2 94.8
43 28.3 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: 0.363 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

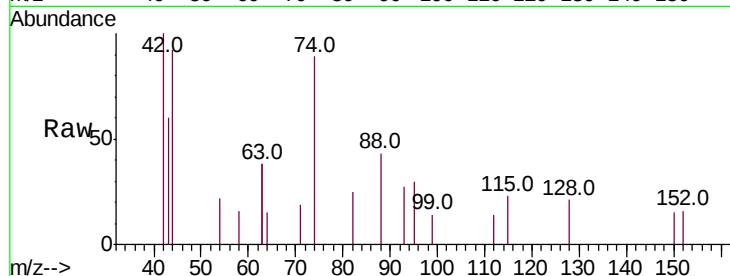
Tot Ion: 42 Resp: 473

Ion Ratio Lower Upper

42 100

74 130.9 96.0 144.0

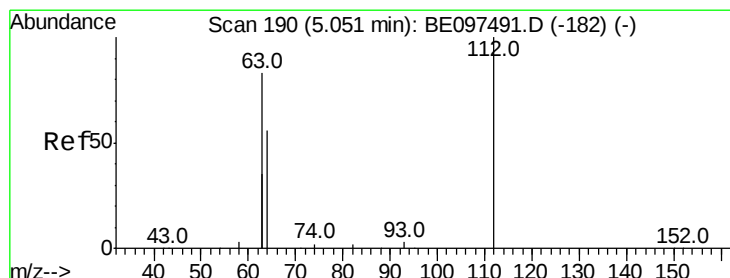
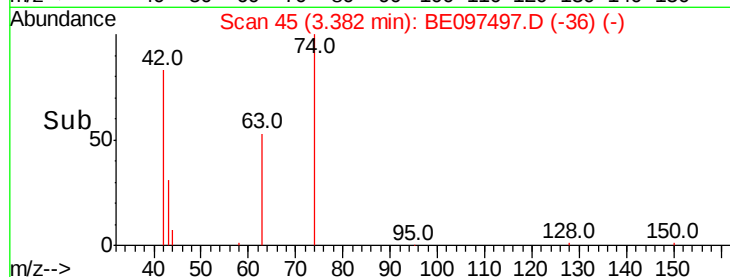
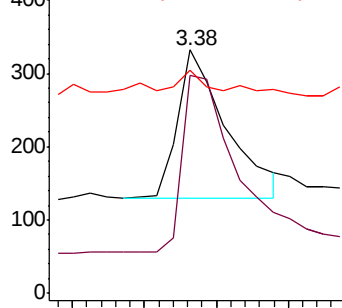
44 9.7 12.0 18.0#



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: 0.390 ng

RT: 5.05 min Scan# 190

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

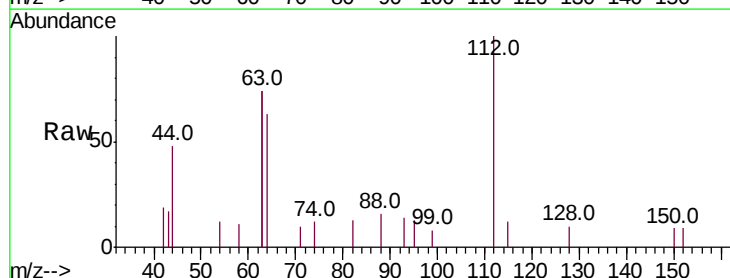
Tgt Ion: 112 Resp: 1191

Ion Ratio Lower Upper

112 100

64 66.0 60.1 90.1

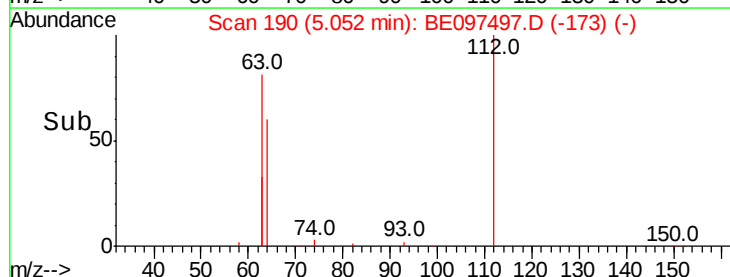
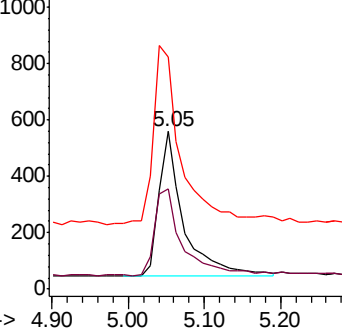
63 141.5 116.8 175.2

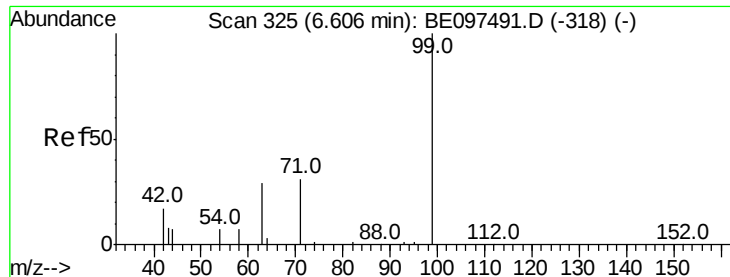


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.378 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

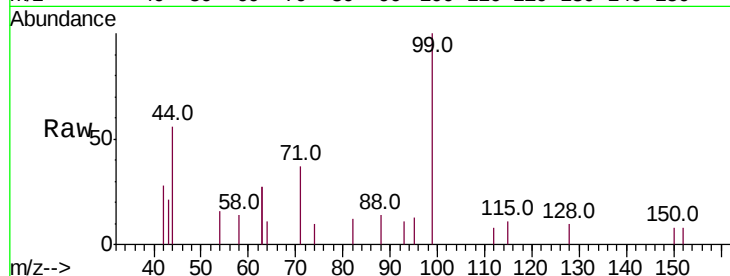
Tot Ion: 99 Resp: 1464

Ion Ratio Lower Upper

99 100

42 20.4 20.2 30.2

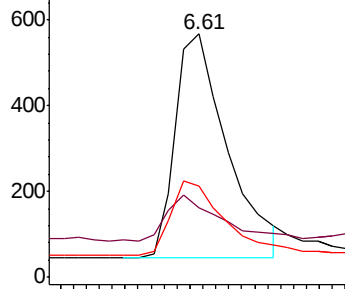
71 33.8 28.4 42.6



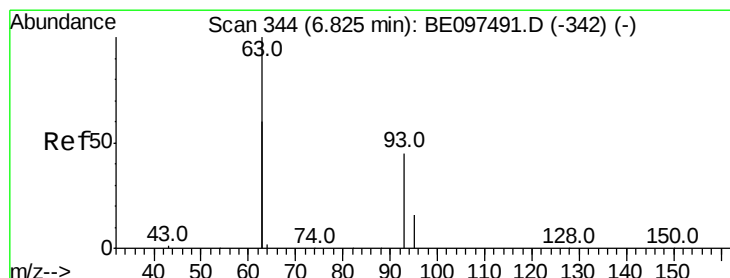
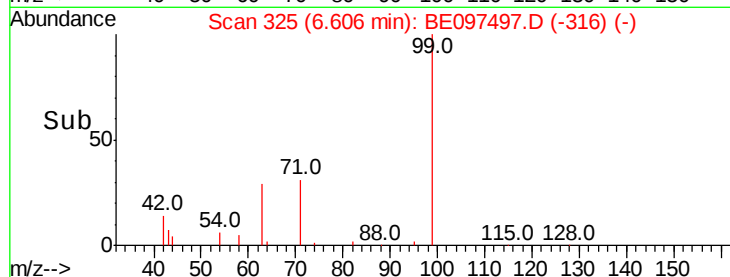
Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.414 ng

RT: 6.83 min Scan# 344

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

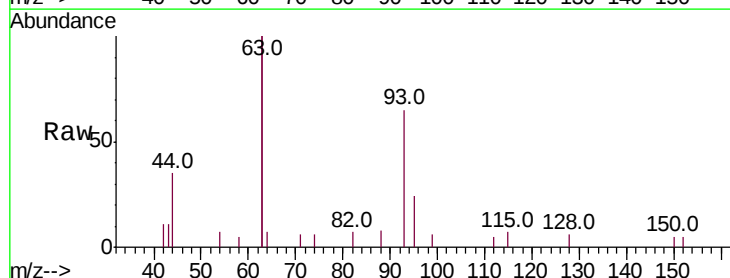
Tgt Ion: 93 Resp: 1281

Ion Ratio Lower Upper

93 100

63 271.1 275.3 412.9#

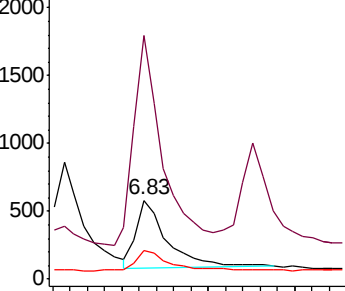
95 31.3 25.2 37.8



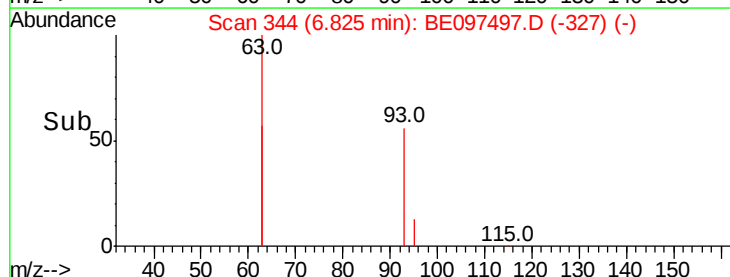
Abundance Ion 93.00 (92.70 to 93.70): BE0

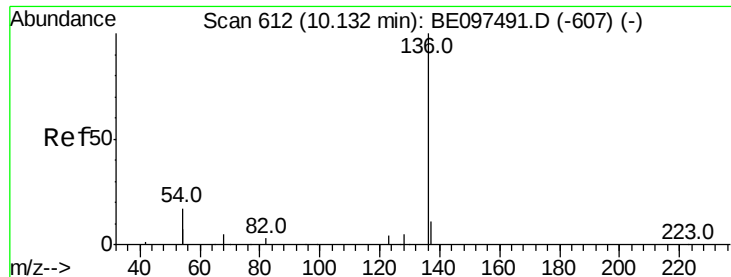
Ion 63.00 (62.70 to 63.70): BE0

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: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4295

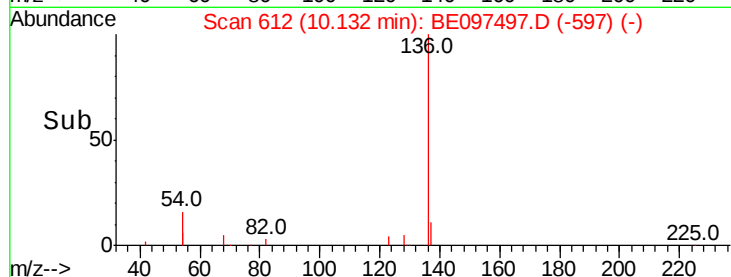
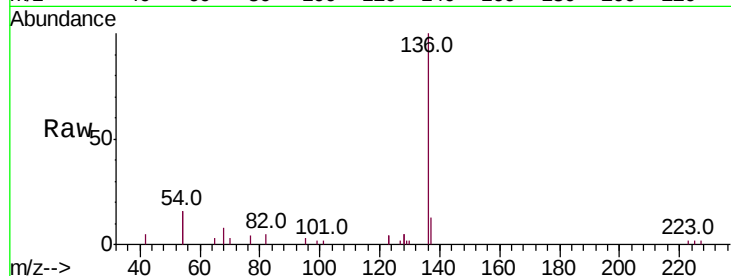
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 32.1 29.1 43.7

68 7.5 6.2 9.2

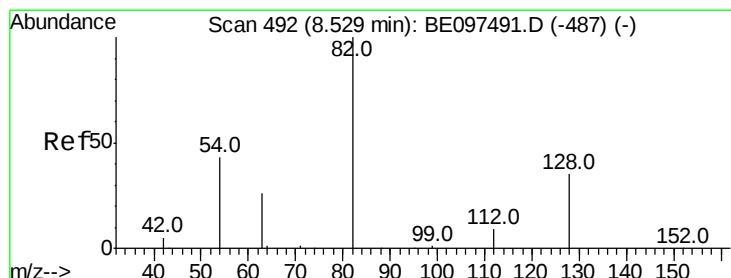
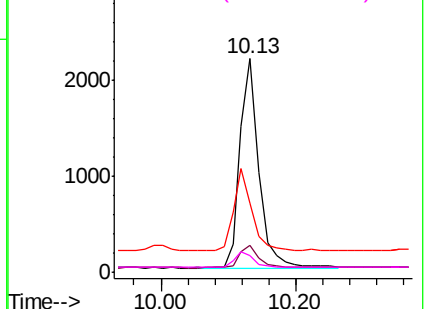


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.377 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

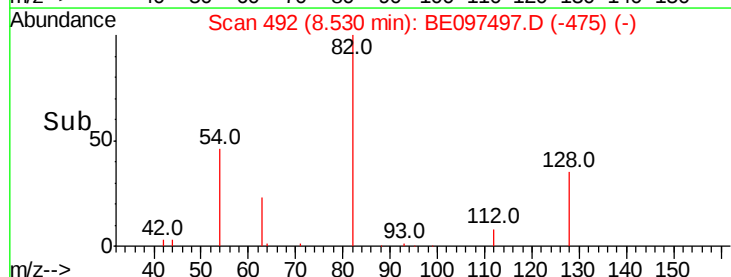
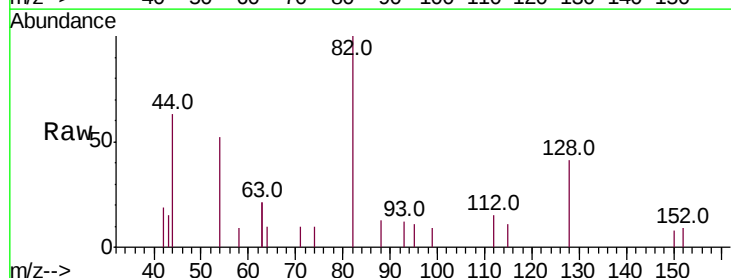
Tgt Ion: 82 Resp: 1303

Ion Ratio Lower Upper

82 100

128 41.5 24.0 36.0#

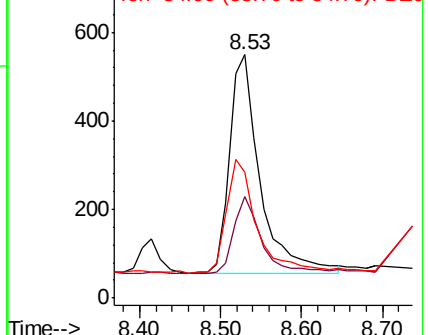
54 51.6 40.0 60.0

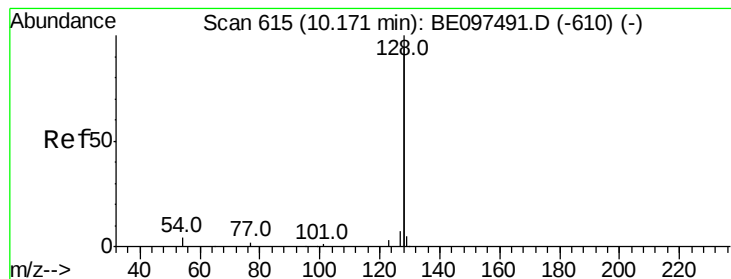


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

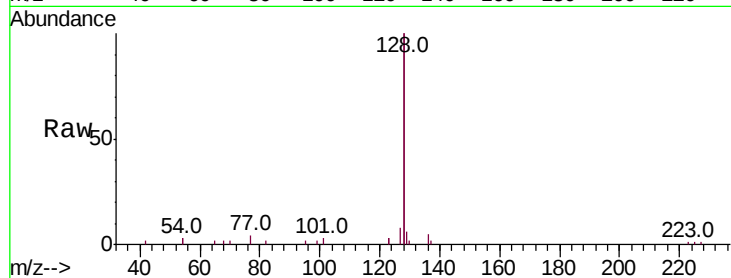
Tot Ion:128 Resp: 15953

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

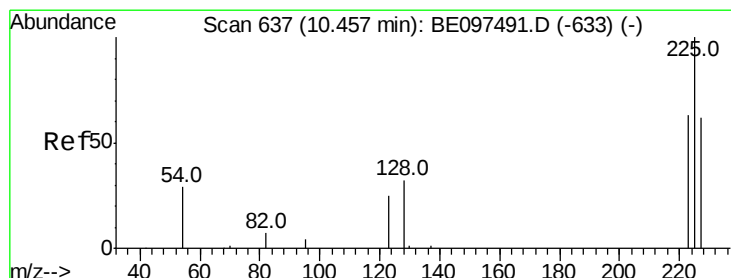
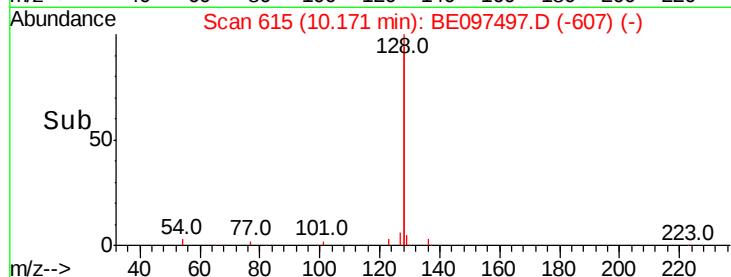
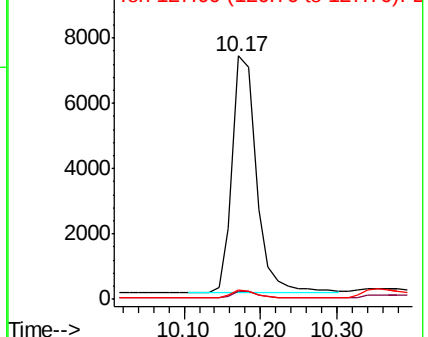
127 3.9 2.8 4.2



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: 0.403 ng

RT: 10.46 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

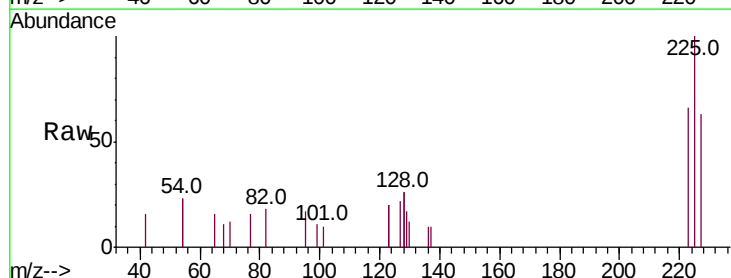
Tgt Ion:225 Resp: 746

Ion Ratio Lower Upper

225 100

223 61.8 53.0 79.6

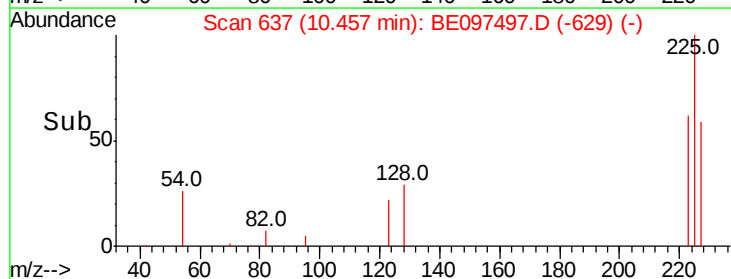
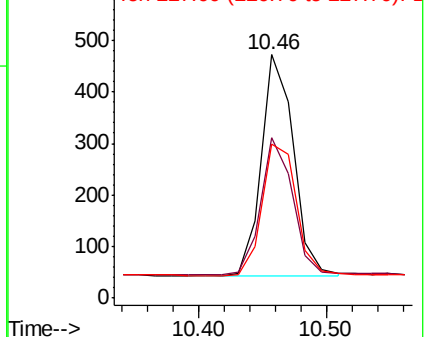
227 63.3 51.4 77.2

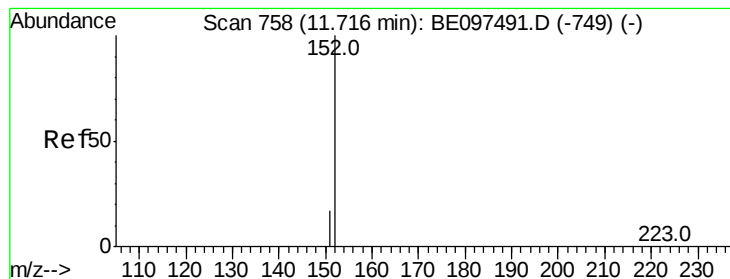


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.402 ng

RT: 11.72 min Scan# 759

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

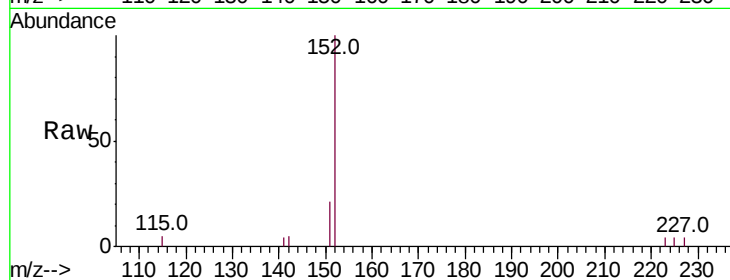
ClientSampleId :

Tot Ion:152 Resp: 2465

Ion Ratio Lower Upper

152 100

151 19.0 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

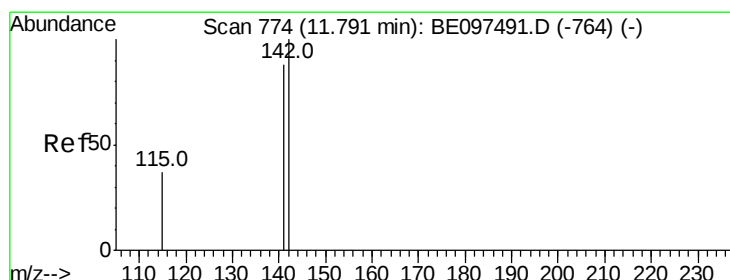
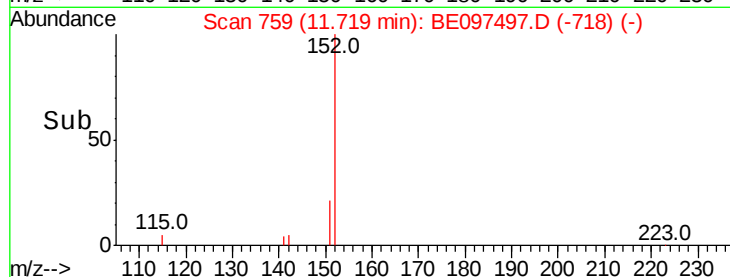
1000

500

0

Time-->

11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.411 ng

RT: 11.79 min Scan# 775

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

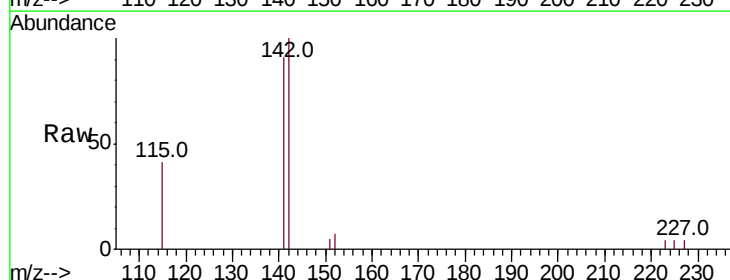
Tgt Ion:142 Resp: 2565

Ion Ratio Lower Upper

142 100

141 91.1 70.4 105.6

115 40.7 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

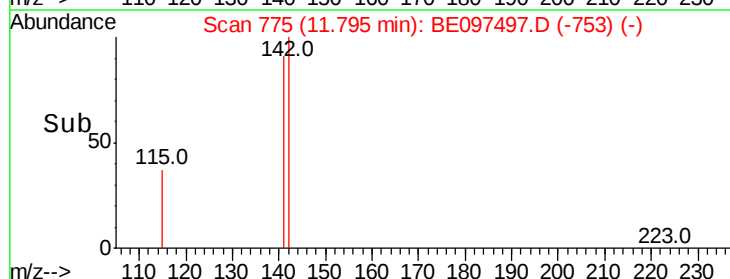
1000

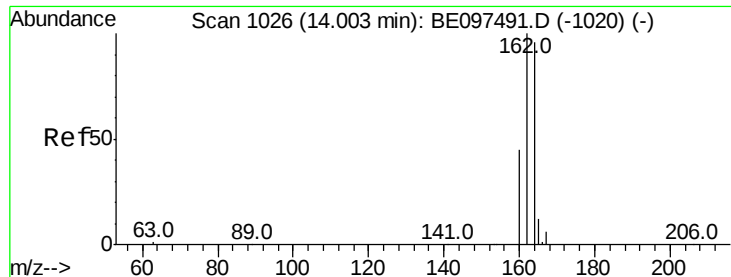
500

0

Time-->

11.70 11.80 11.90

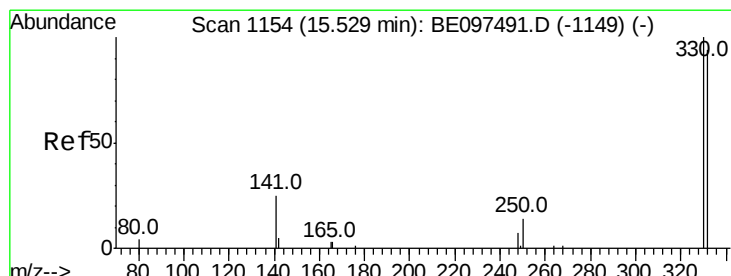
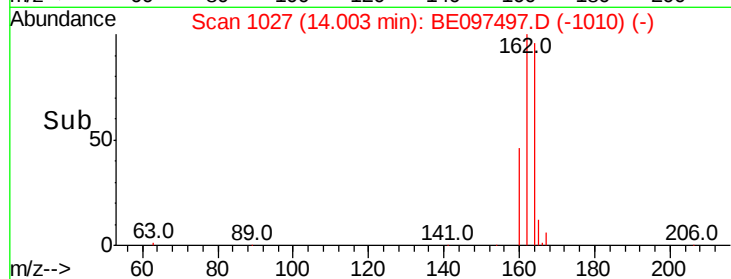
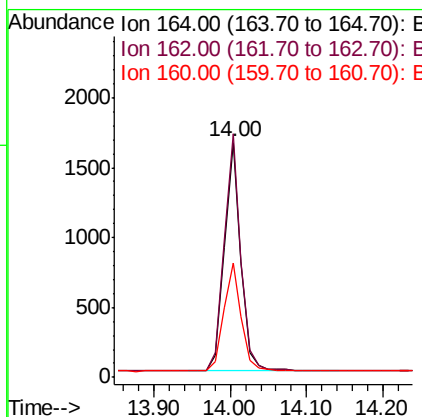
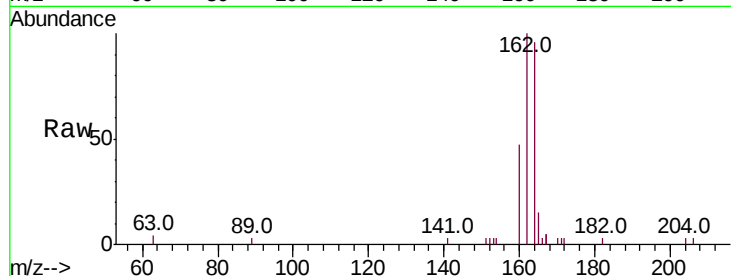




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE097497.D
 Acq: 17 Sep 2018 15:52

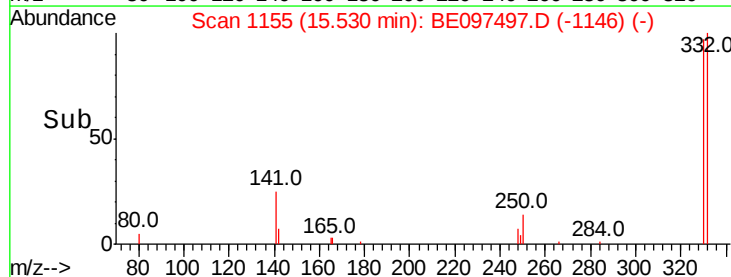
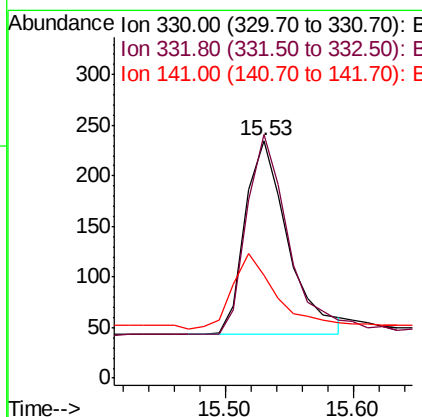
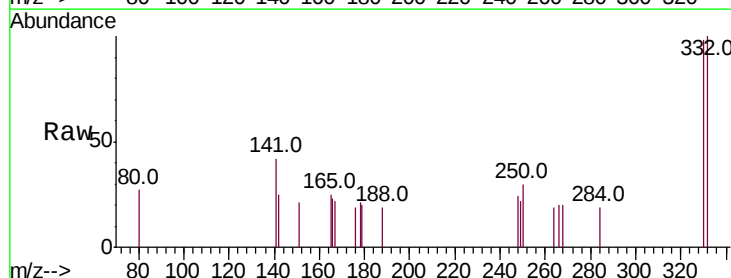
Instrument :
 BNA_E
 ClientSampleId :

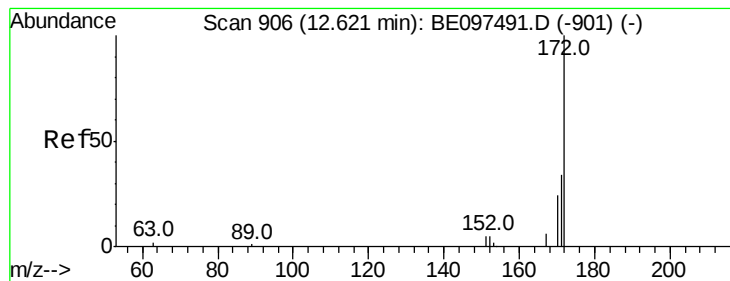
Tot Ion:164 Resp: 2515
 Ion Ratio Lower Upper
 164 100
 162 103.8 83.1 124.7
 160 48.8 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.334 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BE097497.D
 Acq: 17 Sep 2018 15:52

Tgt Ion:330 Resp: 443
 Ion Ratio Lower Upper
 330 100
 332 102.0 152.7 229.1#
 141 40.2 33.7 50.5

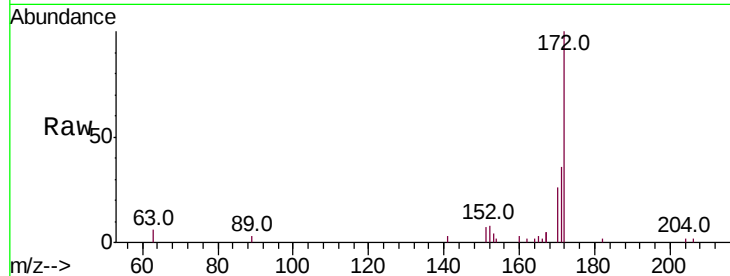




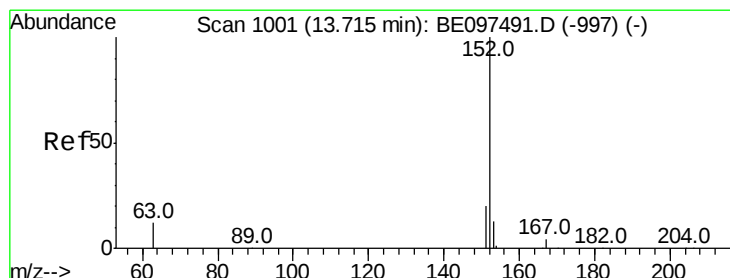
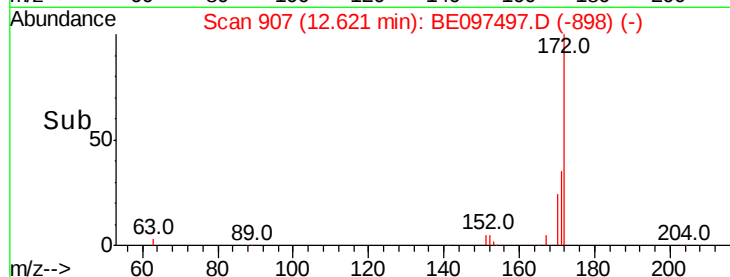
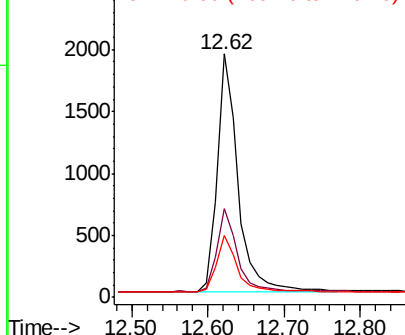
#15
 2-Fluorobiphenyl
 Concen: 0.418 ng
 RT: 12.62 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: BE097497.D
 Acq: 17 Sep 2018 15:52

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:172 Resp: 3668
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.9 44.9
 170 25.6 21.8 32.8

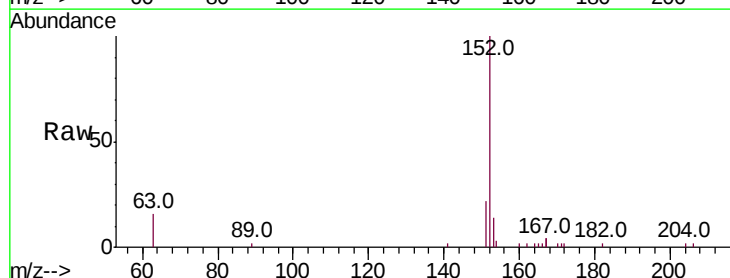


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

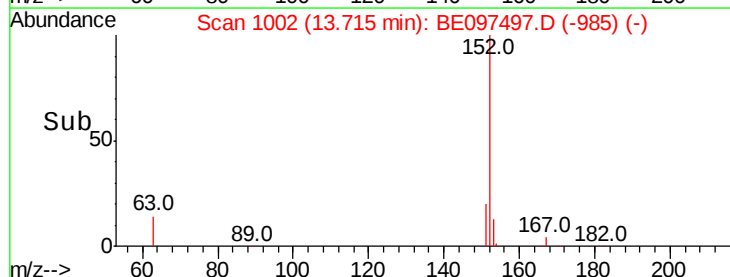
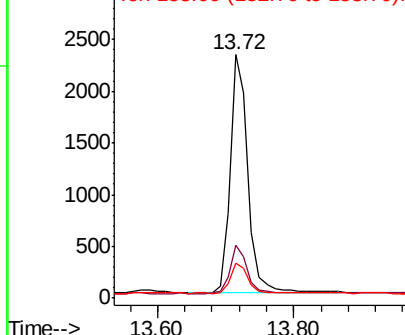


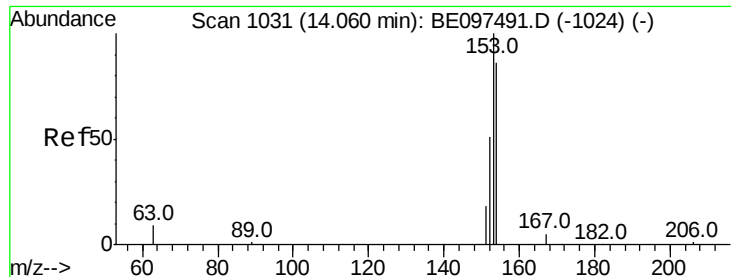
#16
 Acenaphthylene
 Concen: 0.383 ng
 RT: 13.72 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: BE097497.D
 Acq: 17 Sep 2018 15:52

Tgt Ion:152 Resp: 4191
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.7 23.5
 153 12.8 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: 0.418 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampled :

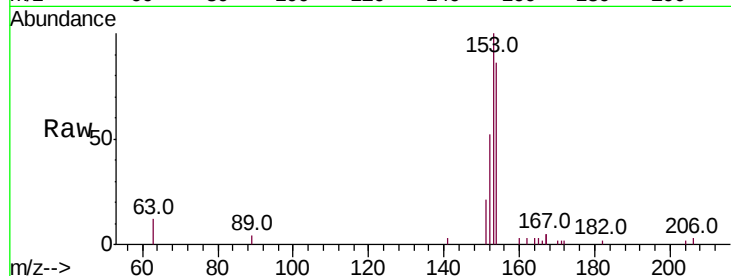
Tot Ion:154 Resp: 2823

Ion Ratio Lower Upper

154 100

153 114.0 89.2 133.8

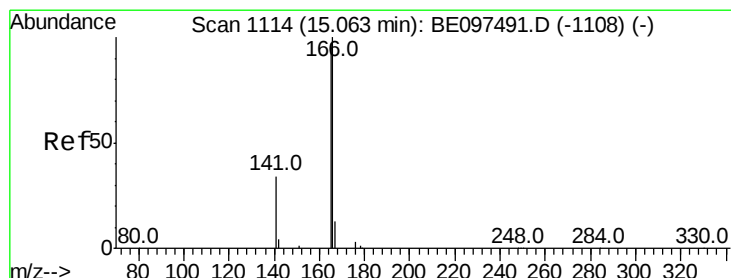
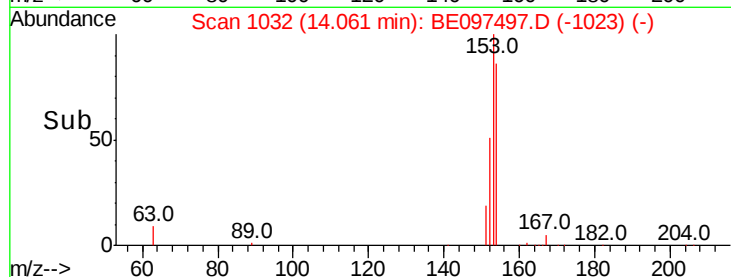
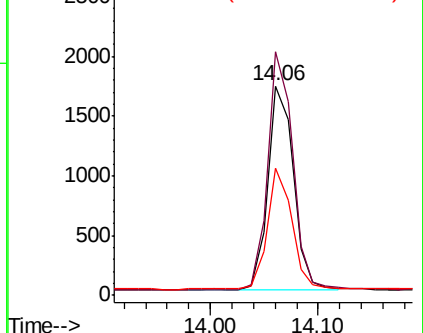
152 57.0 42.0 63.0



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: 0.415 ng

RT: 15.06 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

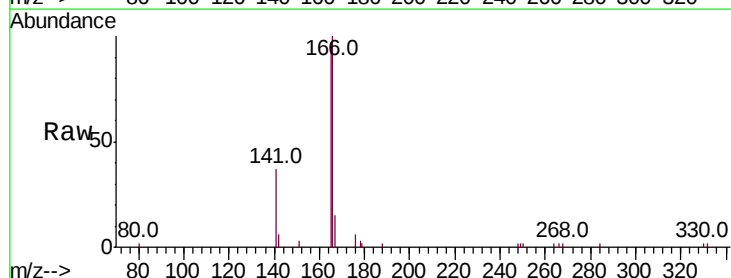
Tgt Ion:166 Resp: 3572

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.6

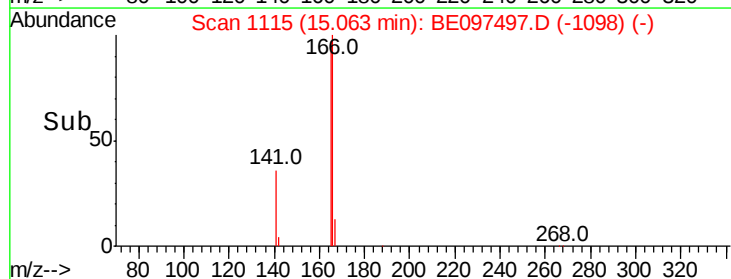
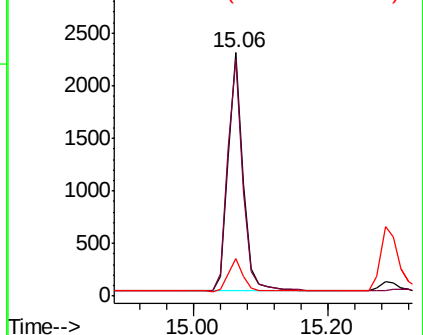
167 13.1 42.4 63.6#

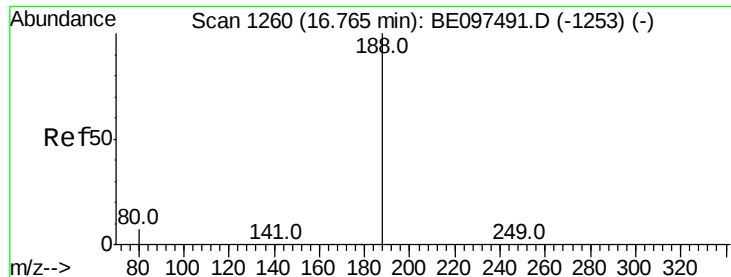


Abundance Ion 166.00 (165.70 to 166.70): E

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. -0.01 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

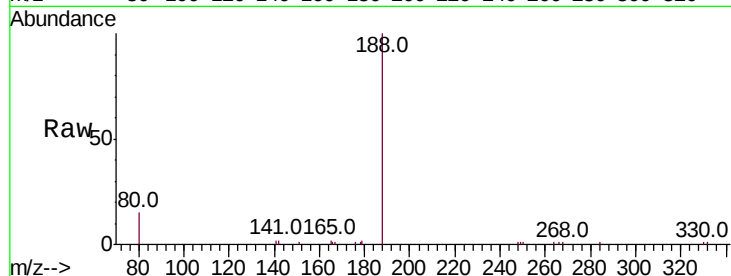
Tot Ion:188 Resp: 6808

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

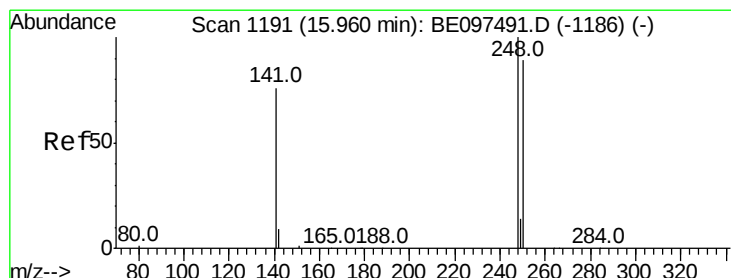
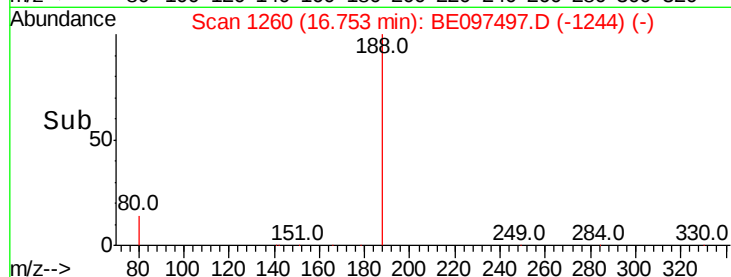
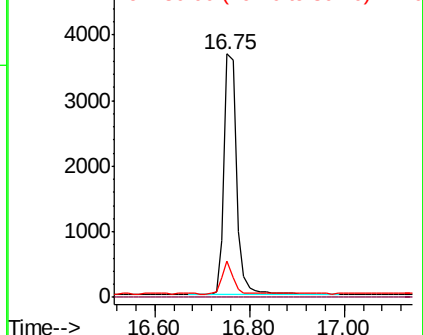
80 15.1 3.6 5.4#



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: 0.394 ng

RT: 15.96 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

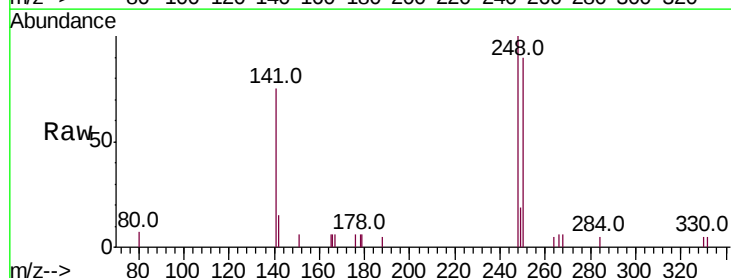
Tgt Ion:248 Resp: 1296

Ion Ratio Lower Upper

248 100

250 90.2 62.7 94.1

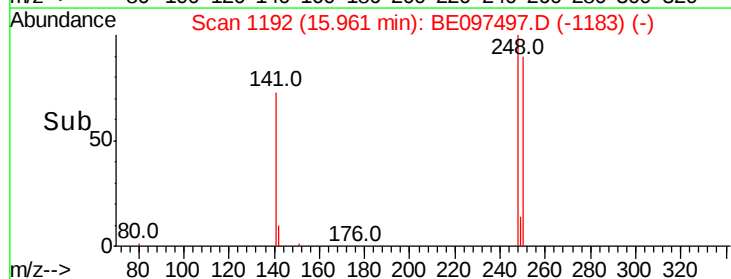
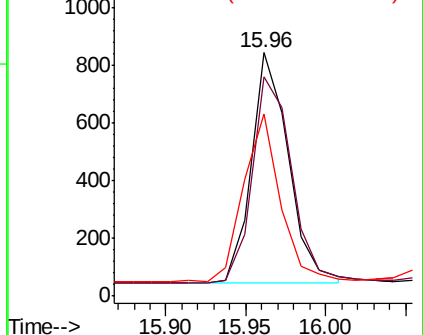
141 75.1 48.2 72.2#

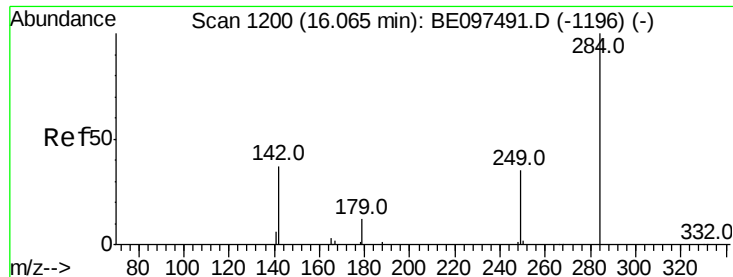


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.406 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

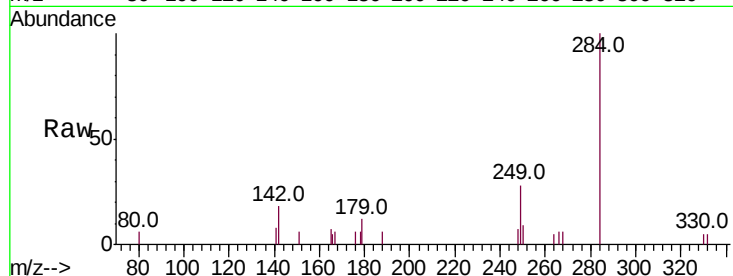
Tot Ion:284 Resp: 1415

Ion Ratio Lower Upper

284 100

142 31.8 22.1 33.1

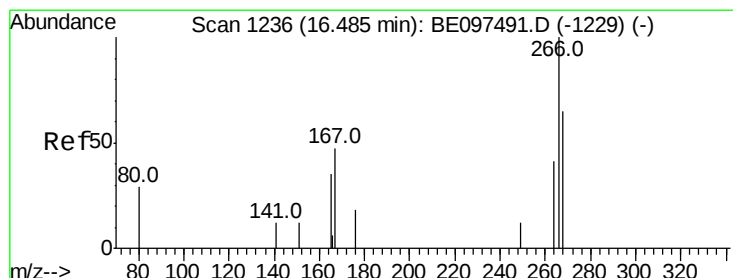
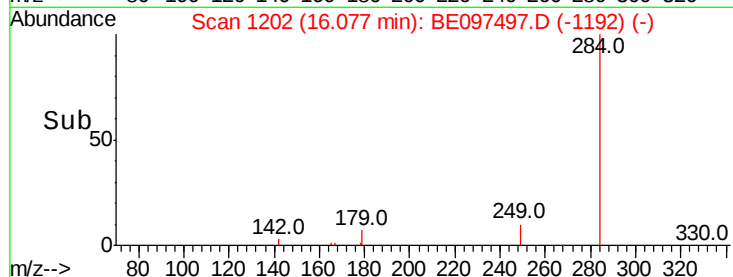
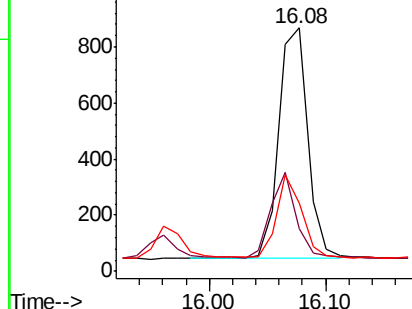
249 30.3 34.8 52.2#



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: 0.418 ng

RT: 16.49 min Scan# 1237

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

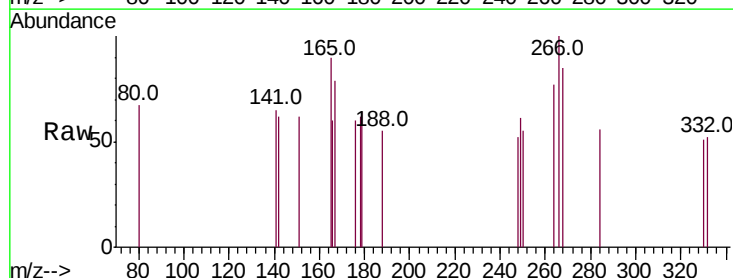
Tgt Ion:266 Resp: 182

Ion Ratio Lower Upper

266 100

264 77.4 72.5 108.7

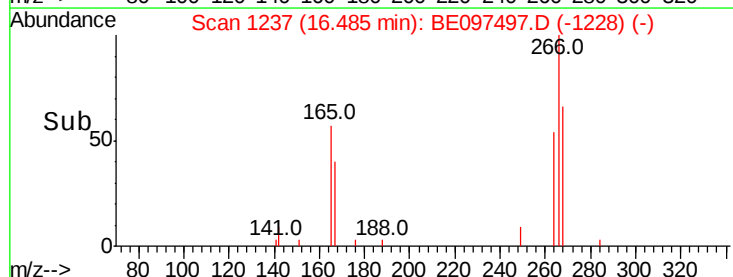
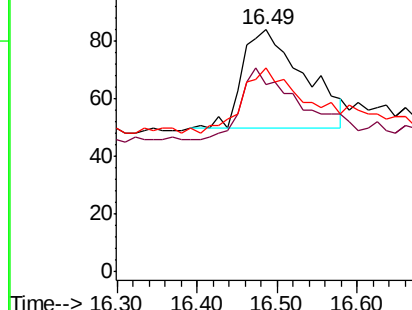
268 84.5 73.8 110.6

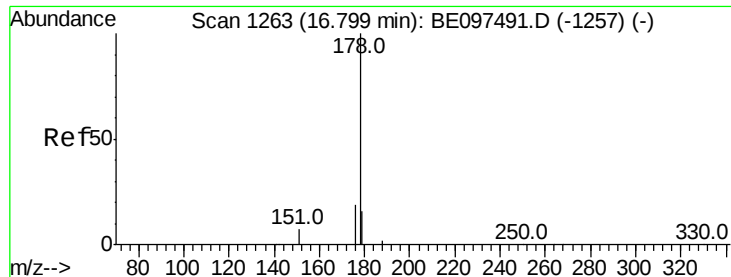


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.417 ng

RT: 16.80 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

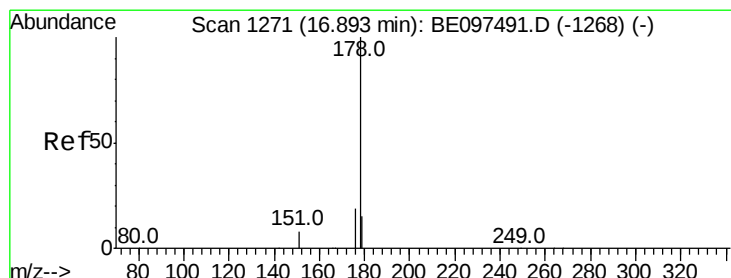
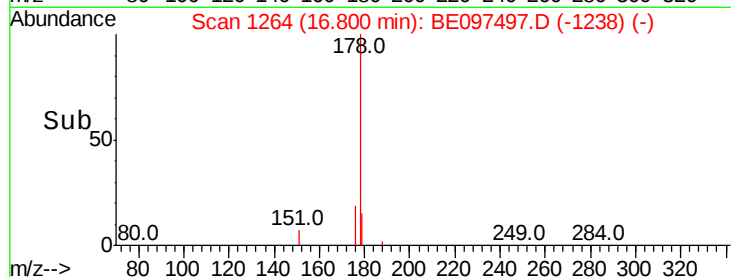
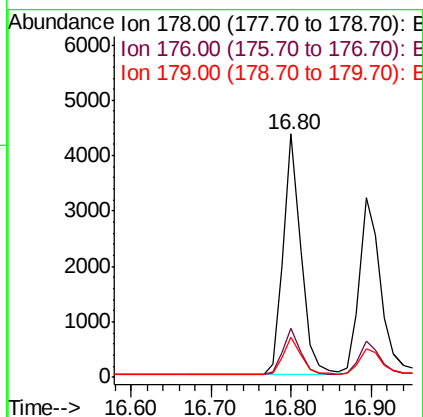
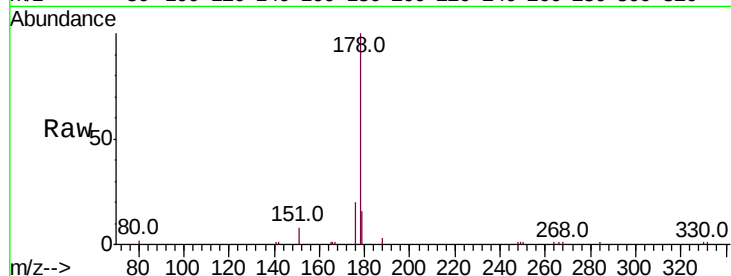
Tot Ion:178 Resp: 6677

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 15.8 11.8 17.6



#24

Anthracene

Concen: 0.391 ng

RT: 16.89 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

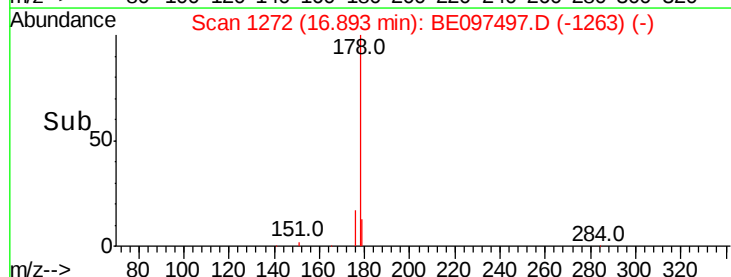
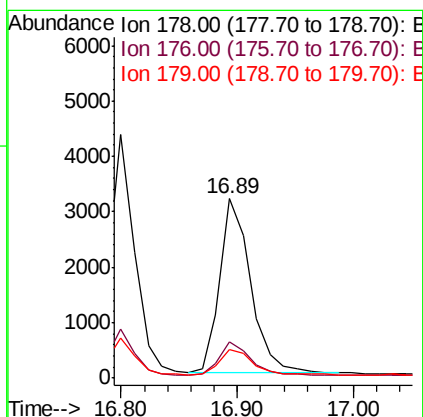
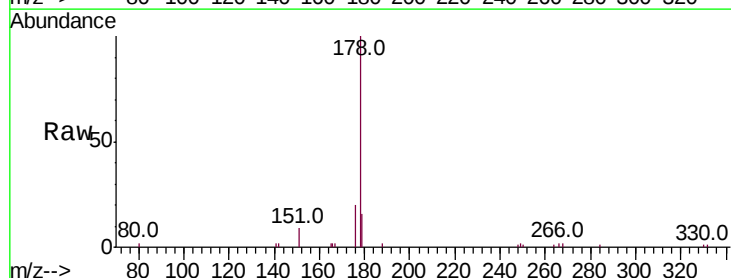
Tgt Ion:178 Resp: 5788

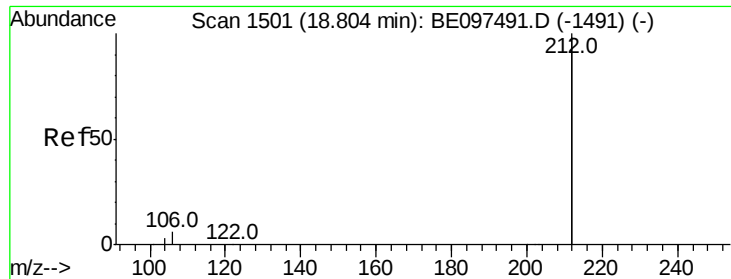
Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

179 15.5 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.400 ng

RT: 18.80 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE097497.D

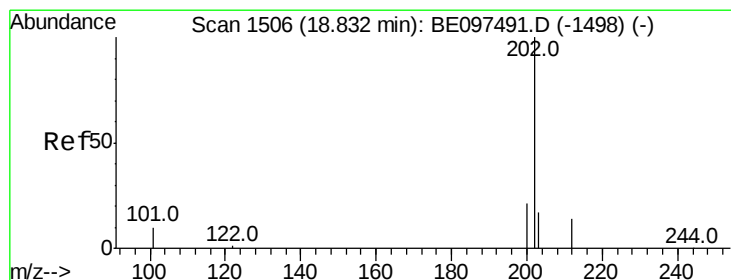
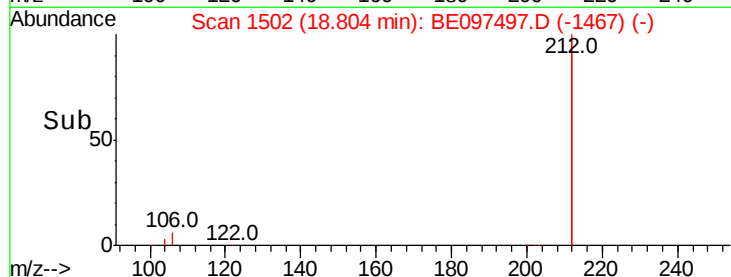
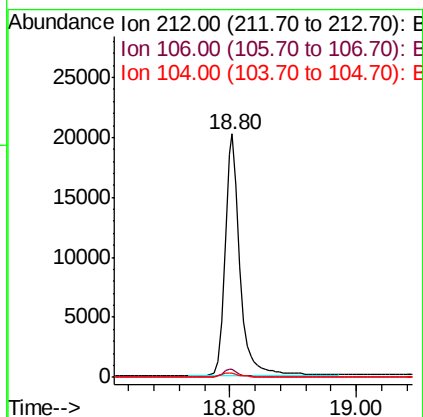
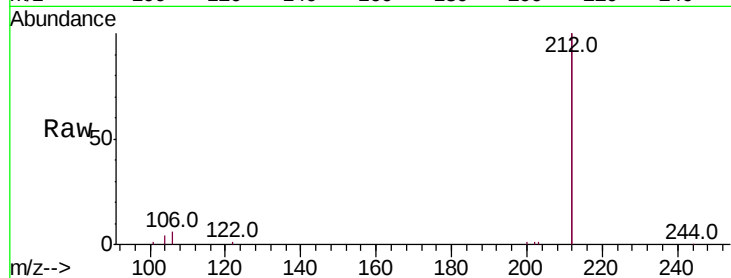
Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp: 32757
Ion Ratio	Lower Upper
212 100	
106 3.1	2.8 4.2
104 1.8	1.6 2.4



#26

Fluoranthene

Concen: 0.401 ng

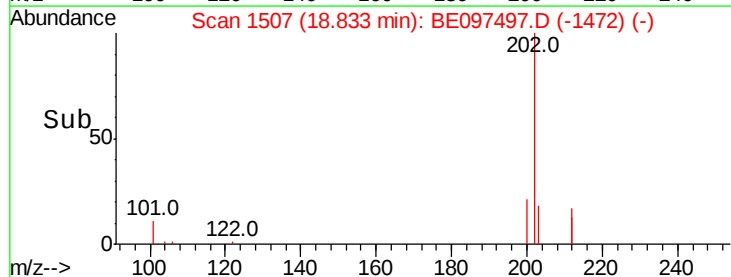
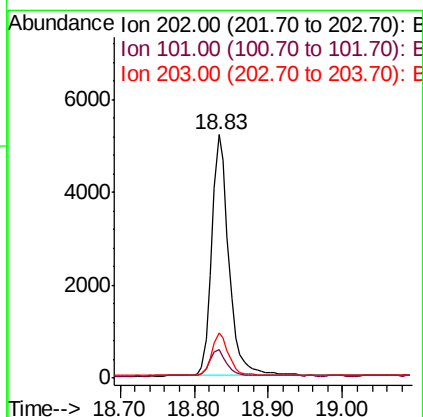
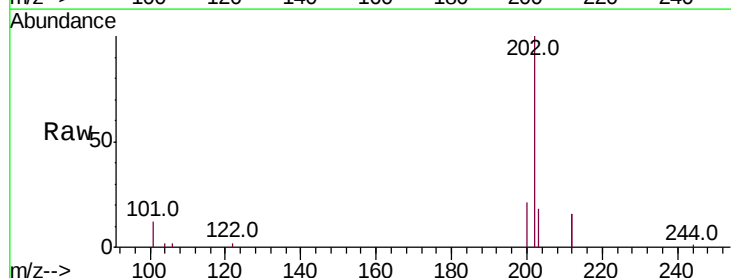
RT: 18.83 min Scan# 1507

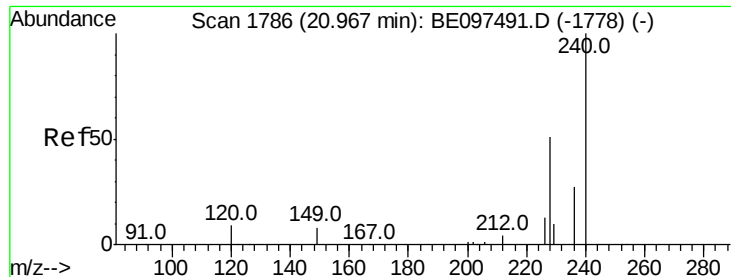
Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Tgt	Ion:202	Resp:	8367
Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.8	14.8
203	17.5	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

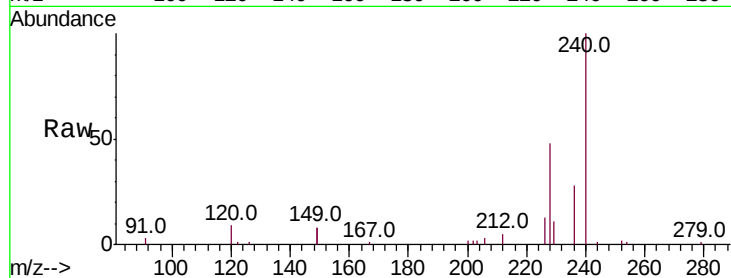
Tot Ion:240 Resp: 8289

Ion Ratio Lower Upper

240 100

120 8.9 5.5 8.3#

236 27.9 20.7 31.1

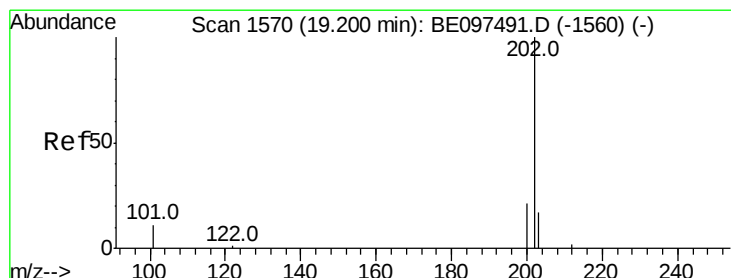
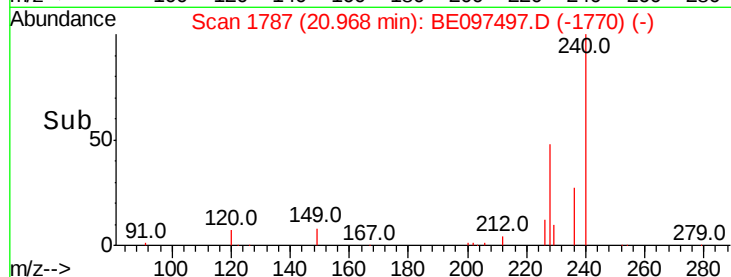
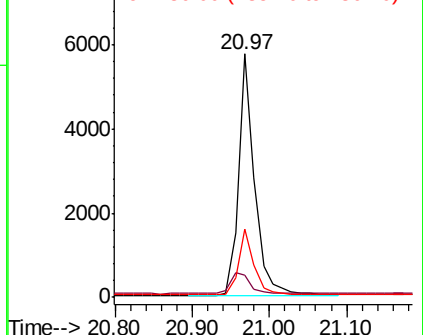


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.415 ng

RT: 19.20 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

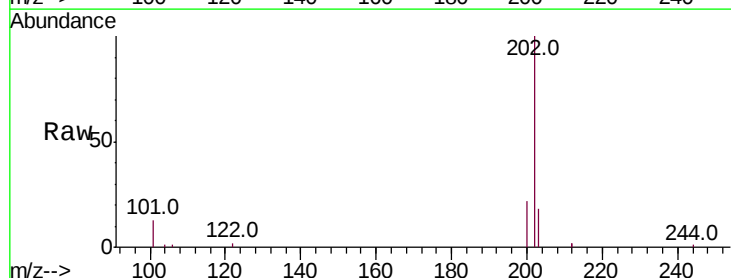
Tgt Ion:202 Resp: 8848

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

203 17.3 13.8 20.8

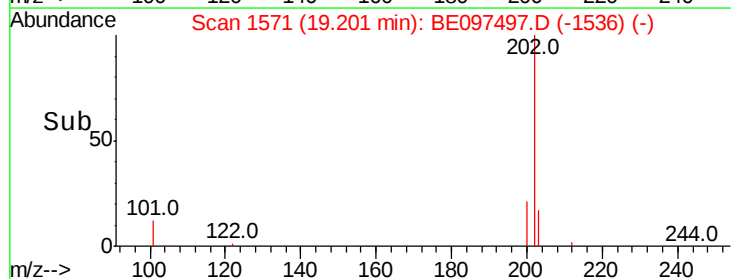
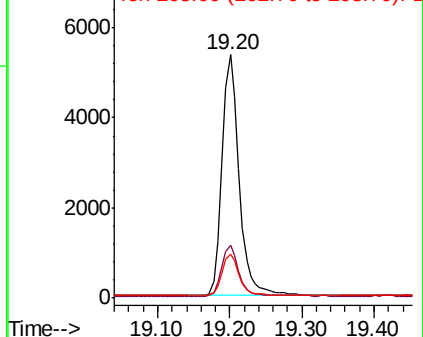


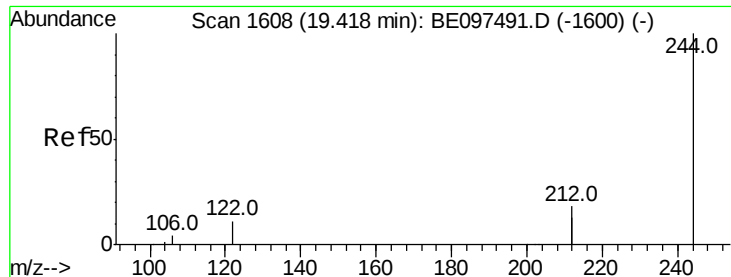
Abundance

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

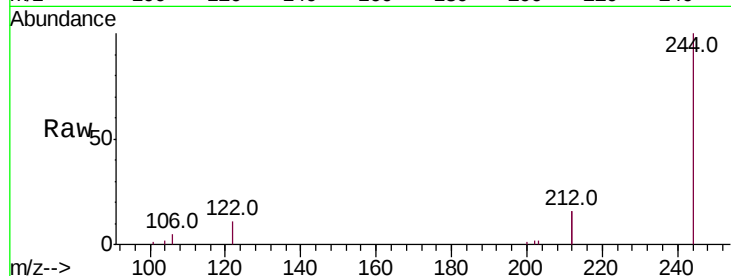




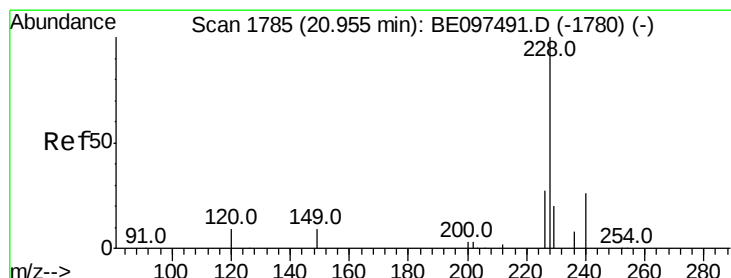
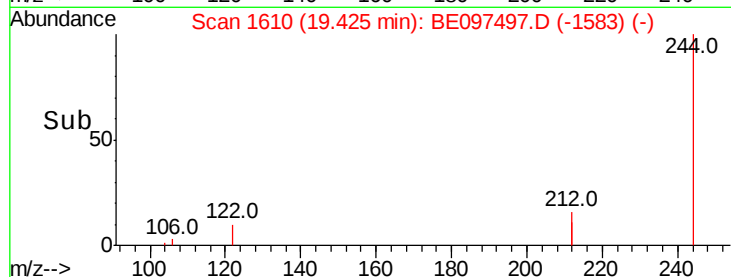
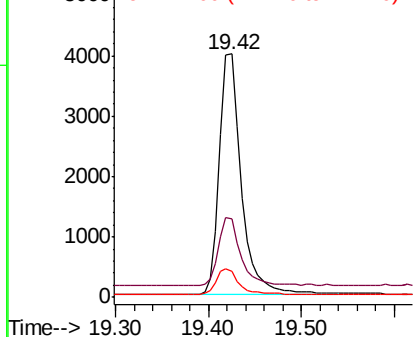
#29
 Terphenyl-d14
 Concen: 0.415 ng
 RT: 19.42 min Scan# 1610
 Delta R.T. 0.01 min
 Lab File: BE097497.D
 Acq: 17 Sep 2018 15:52

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:244 Resp: 6572
 Ion Ratio Lower Upper
 244 100
 212 32.0 25.4 38.0
 122 10.7 8.1 12.1

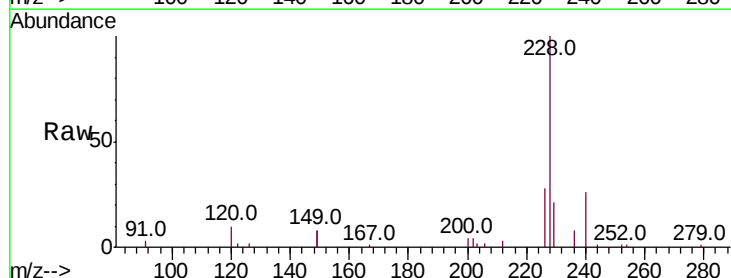


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

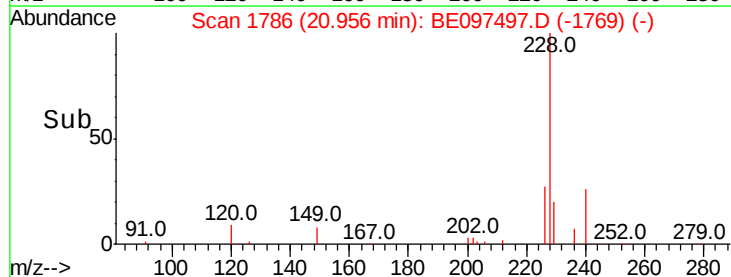
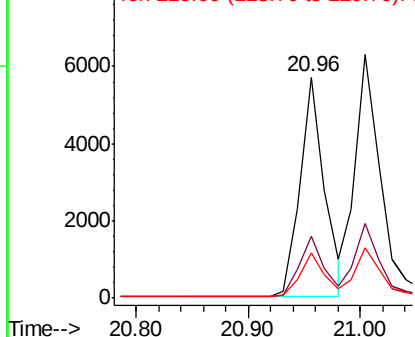


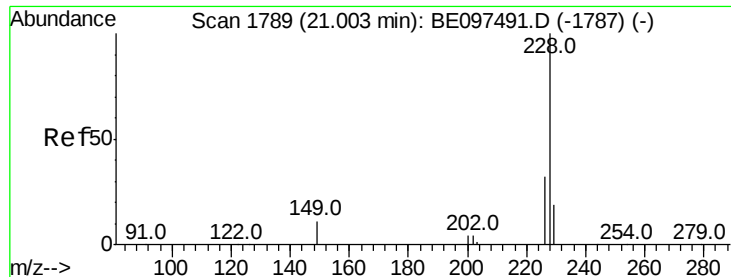
#30
 Benzo(a)anthracene
 Concen: 0.392 ng
 RT: 20.96 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097497.D
 Acq: 17 Sep 2018 15:52

Tgt Ion:228 Resp: 8543
 Ion Ratio Lower Upper
 228 100
 226 27.7 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: 0.429 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

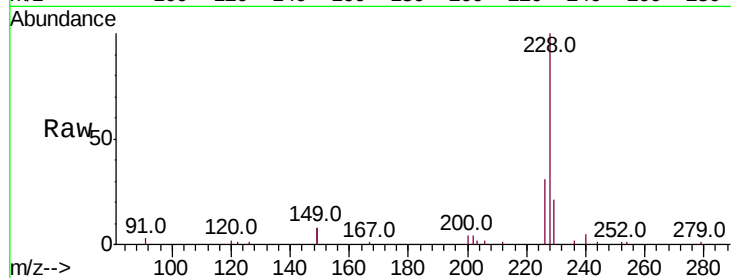
Tot Ion:228 Resp: 9593

Ion Ratio Lower Upper

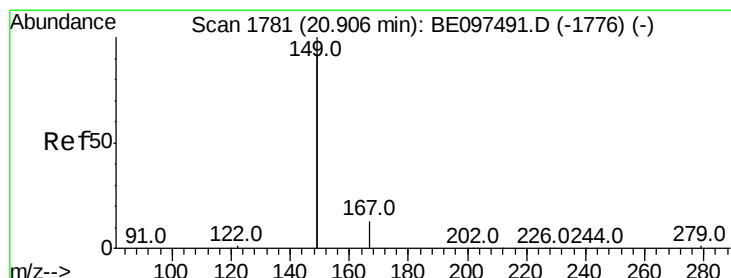
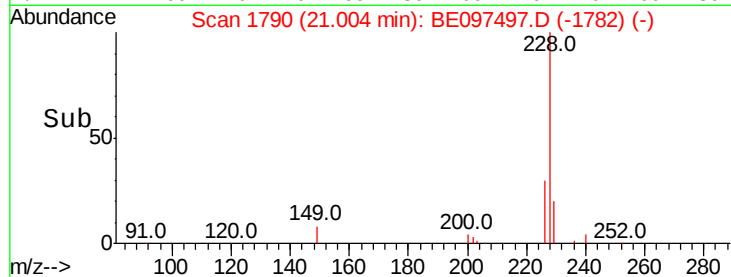
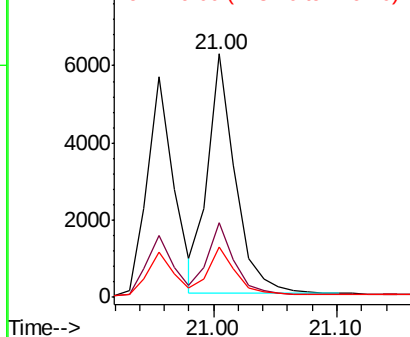
228 100

226 30.6 24.0 36.0

229 20.5 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: 0.388 ng

RT: 20.91 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

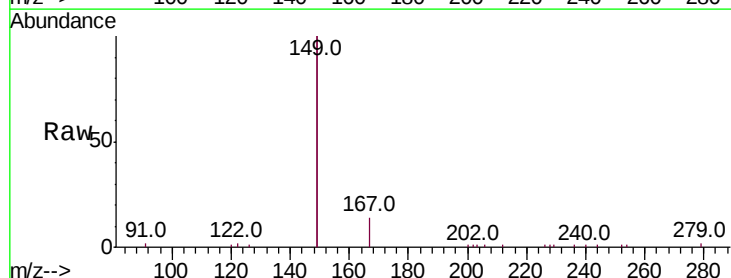
Tgt Ion:149 Resp: 17957

Ion Ratio Lower Upper

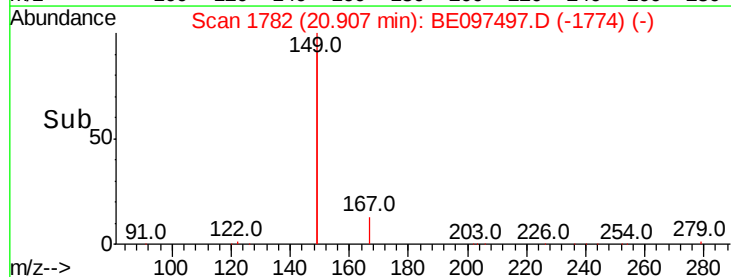
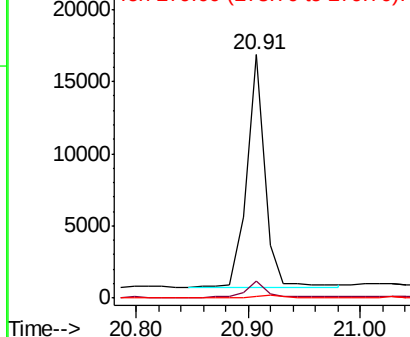
149 100

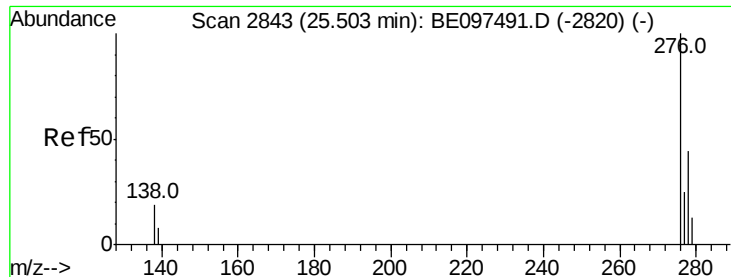
167 6.7 5.4 8.0

279 1.2 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: 0.424 ng

RT: 25.50 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

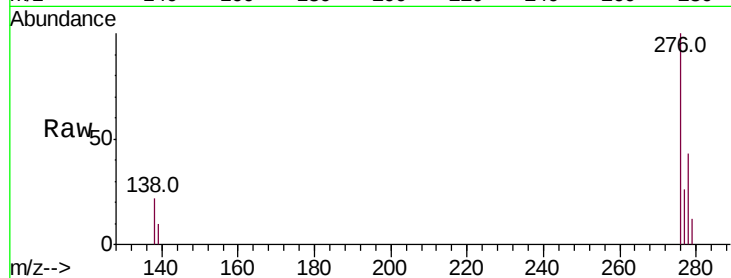
Tot Ion:276 Resp: 11295

Ion Ratio Lower Upper

276 100

138 21.1 22.5 33.7#

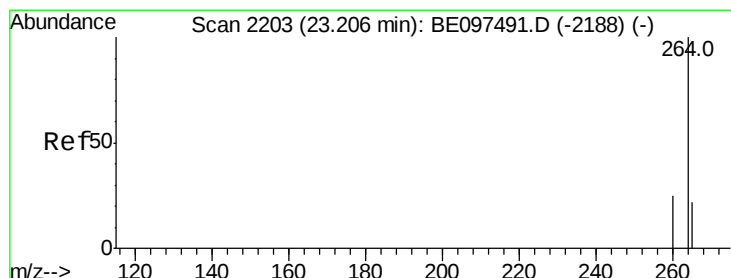
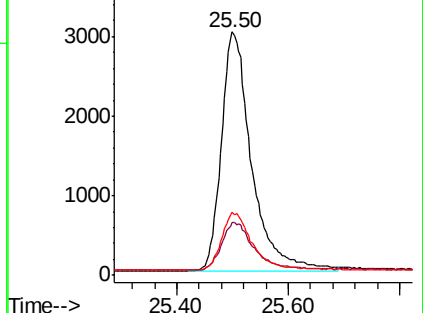
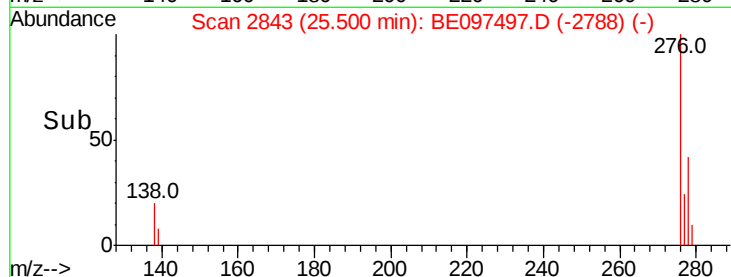
277 24.2 19.9 29.9



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# 2204

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

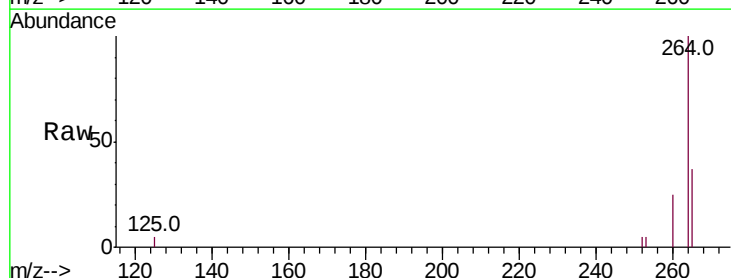
Tgt Ion:264 Resp: 8528

Ion Ratio Lower Upper

264 100

260 25.2 20.5 30.7

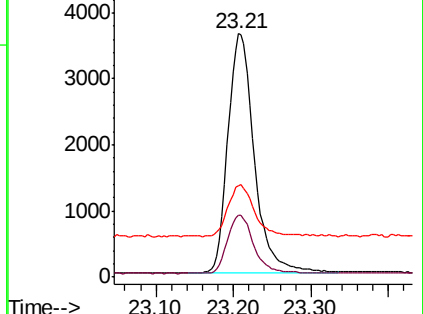
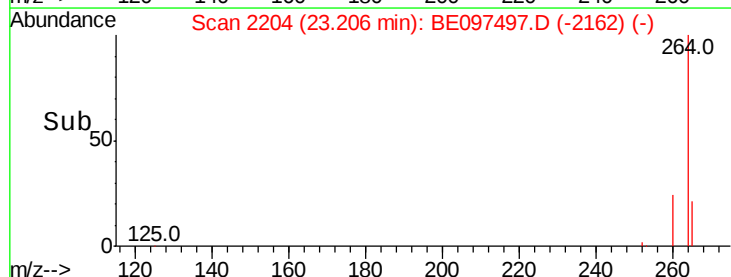
265 37.3 22.8 34.2#

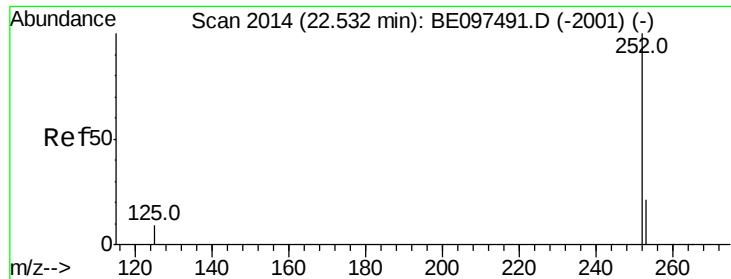


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.399 ng

RT: 22.53 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

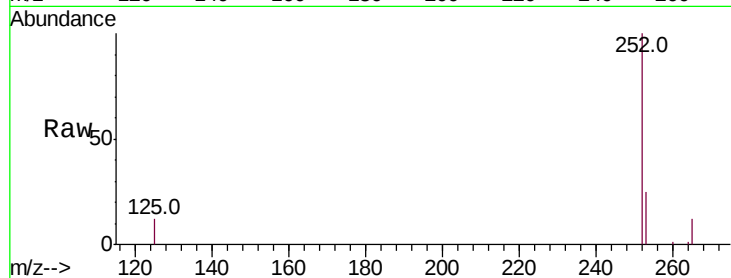
Tot Ion:252 Resp: 8688

Ion Ratio Lower Upper

252 100

253 24.8 20.0 30.0

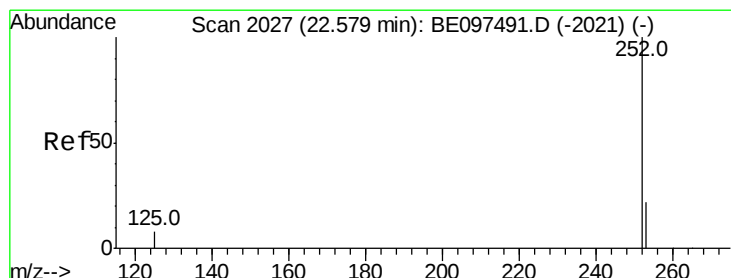
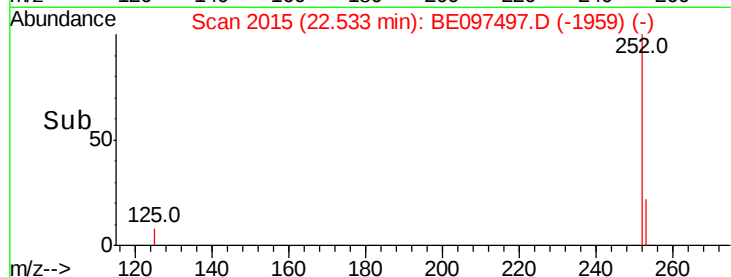
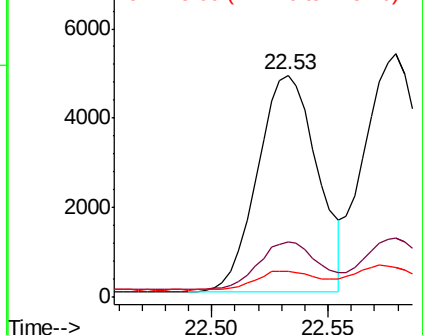
125 11.8 16.0 24.0#



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: 0.417 ng

RT: 22.58 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

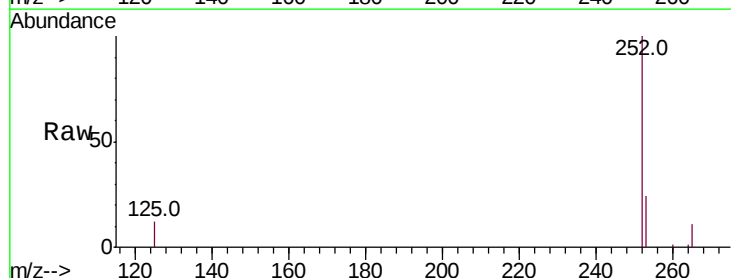
Tgt Ion:252 Resp: 9919

Ion Ratio Lower Upper

252 100

253 24.1 16.0 24.0#

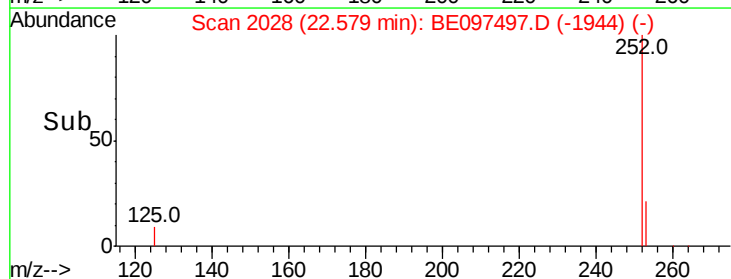
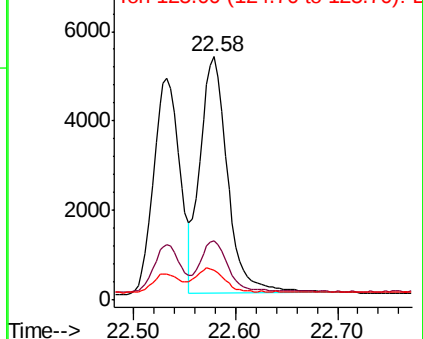
125 12.3 8.0 12.0#

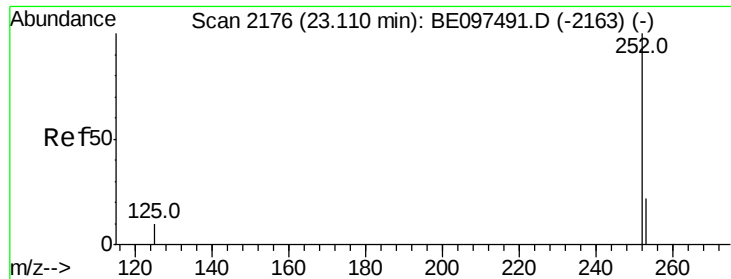


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.412 ng

RT: 23.11 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

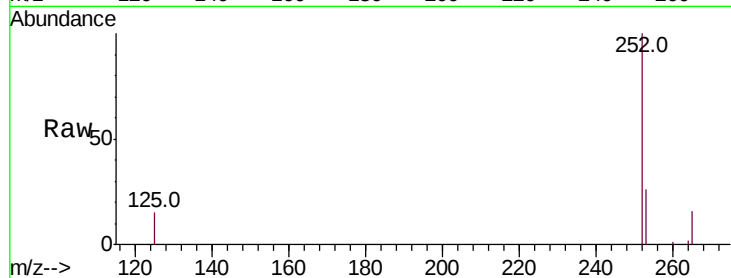
Tot Ion:252 Resp: 8929

Ion Ratio Lower Upper

252 100

253 26.3 16.0 24.0#

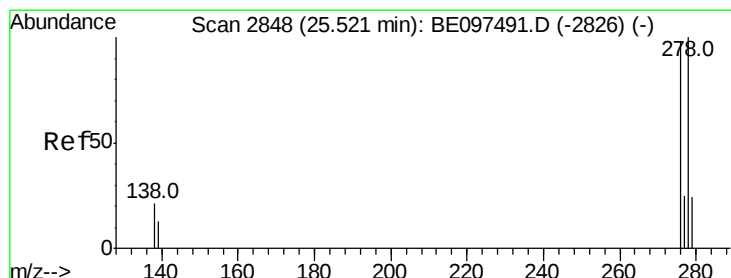
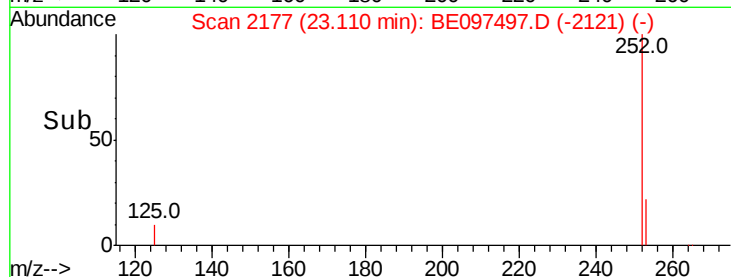
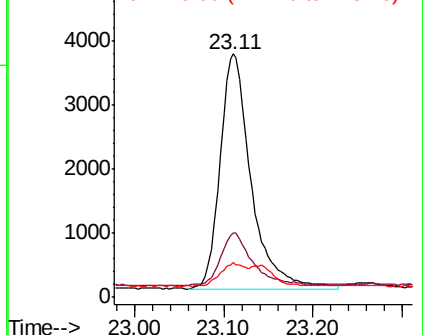
125 14.6 12.0 18.0



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: 0.415 ng

RT: 25.52 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

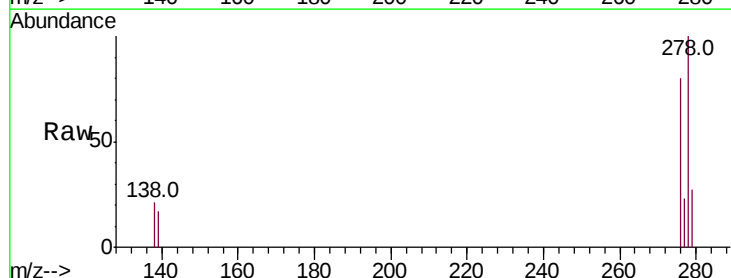
Tgt Ion:278 Resp: 9388

Ion Ratio Lower Upper

278 100

139 16.7 16.0 24.0

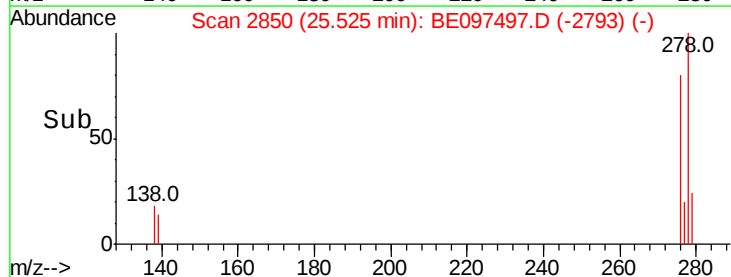
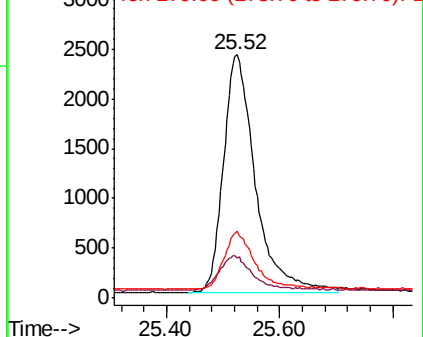
279 27.3 20.0 30.0

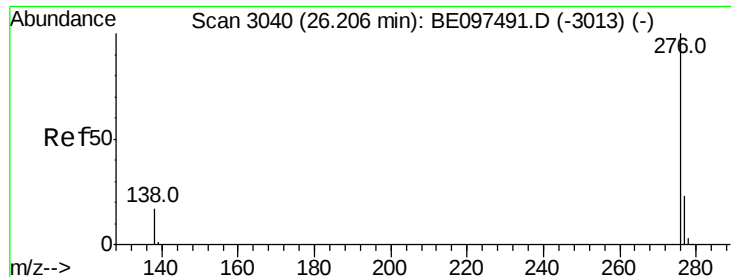


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.407 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BE097497.D

Acq: 17 Sep 2018 15:52

Instrument :

BNA_E

ClientSampleId :

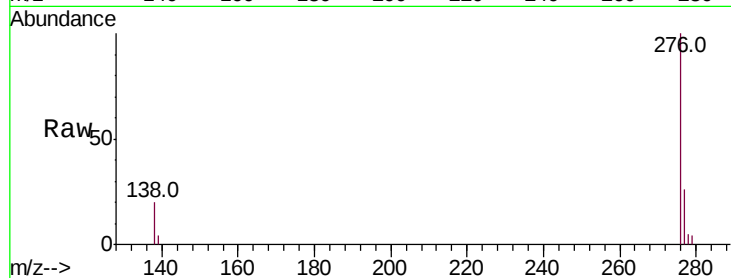
Tot Ion:276 Resp: 9388

Ion Ratio Lower Upper

276 100

277 25.6 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

