

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100518\
 Data File : BE097780.D
 Acq On : 6 Oct 2018 7:32
 Operator : SJ/JU
 Sample : J5284-04MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-125D2-2018001MSD

Quant Time: Oct 08 06:38:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 06:37:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	3923	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	14889	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	7699	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	19220	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	29339	0.40	ng	-0.01
34) Perylene-d12	24.03	264	29180	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	1777	0.19	ng	0.00
5) Phenol-d6	7.05	99	1580	0.11	ng	0.00
8) Nitrobenzene-d5	9.04	82	3902	0.81	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	11879	0.50	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	761	0.55	ng	-0.01
15) 2-Fluorobiphenyl	13.17	172	16063	0.47	ng	-0.02
25) Fluoranthene-d10	19.32	212	107506	0.44	ng	-0.01
29) Terphenyl-d14	19.92	244	21189	0.35	ng	-0.01

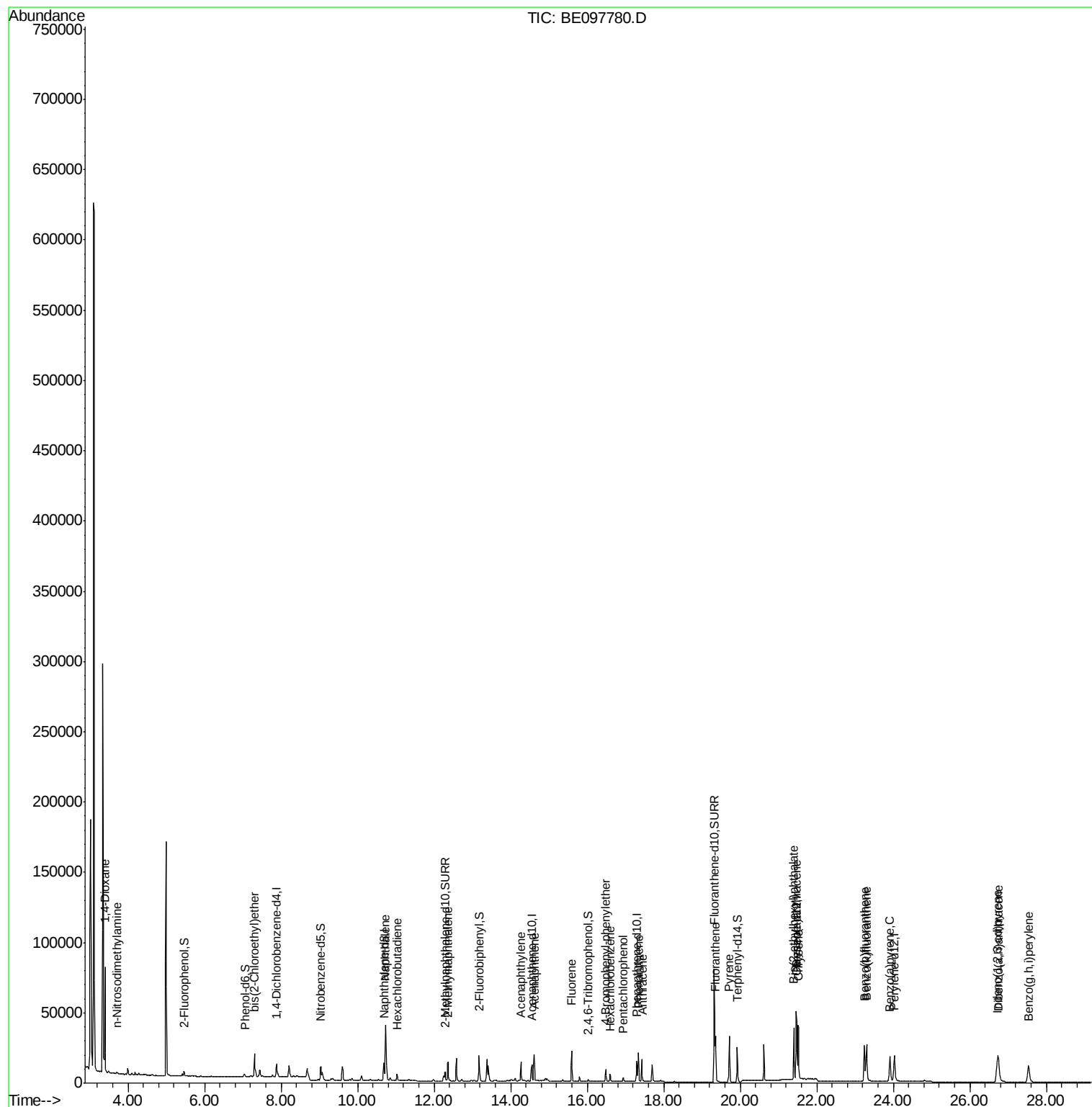
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	47548	6.083	ng	95
3) n-Nitrosodimethylamine	3.71	42	1041	0.146	ng	# 82
6) bis(2-Chloroethyl)ether	7.31	93	5863	0.398	ng	97
9) Naphthalene	10.73	128	72413	0.483	ng	100
10) Hexachlorobutadiene	11.03	225	2961	0.372	ng	98
12) 2-Methylnaphthalene	12.37	142	11508	0.479	ng	98
16) Acenaphthylene	14.27	152	14805	0.434	ng	97
17) Acenaphthene	14.61	154	9298	0.426	ng	98
18) Fluorene	15.59	166	12648	0.436	ng	98
20) 4-Bromophenyl-phenylether	16.49	248	4284	0.425	ng	93
21) Hexachlorobenzene	16.60	284	4369	0.385	ng	97
22) Pentachlorophenol	16.94	266	1562	0.878	ng	94
23) Phenanthrene	17.34	178	22314	0.451	ng	100
24) Anthracene	17.43	178	19439	0.455	ng	99
26) Fluoranthene	19.36	202	29612	0.469	ng	100
28) Pyrene	19.71	202	30278	0.406	ng	99
30) Benzo(a)anthracene	21.46	228	37520	0.476	ng	99
31) Chrysene	21.51	228	41356	0.469	ng	99
32) Bis(2-ethylhexyl)phthalate	21.40	149	37949	0.658	ng	99
33) Indeno(1,2,3-cd)pyrene	26.72	276	36110	0.472	ng	97
35) Benzo(b)fluoranthene	23.25	252	37239	0.465	ng	98
36) Benzo(k)fluoranthene	23.30	252	42122	0.474	ng	99
37) Benzo(a)pyrene	23.91	252	33870	0.467	ng	99
38) Dibenzo(a,h)anthracene	26.75	278	30843	0.432	ng	97
39) Benzo(g,h,i)perylene	27.53	276	32554	0.436	ng	97

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

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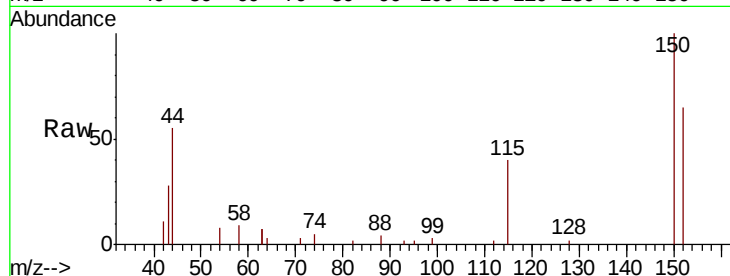


#1

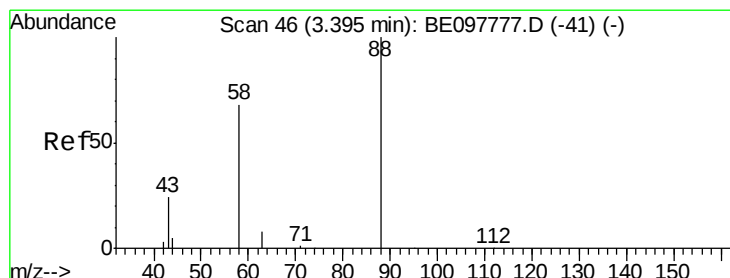
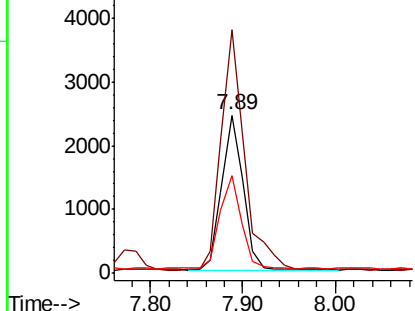
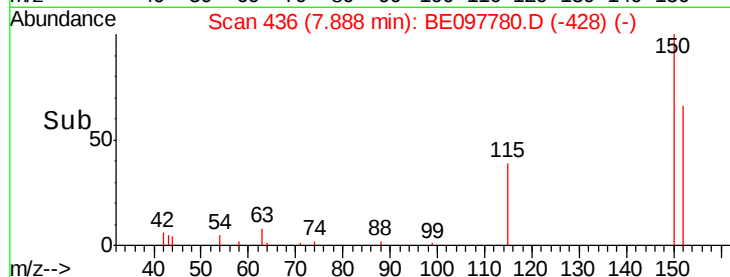
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. -0.01 min
Lab File: BE097780.D
Acq: 6 Oct 2018 7:32

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tot Ion:152 Resp: 3923
Ion Ratio Lower Upper
152 100
150 154.0 120.9 181.3
115 61.6 46.6 69.8



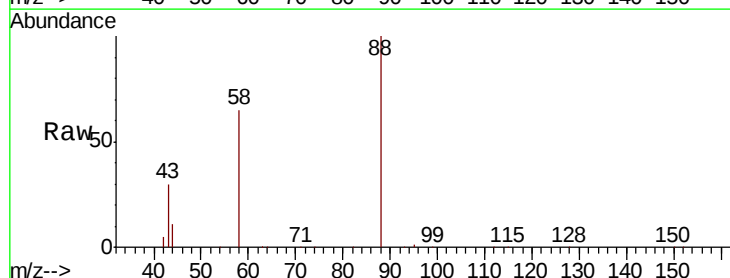
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



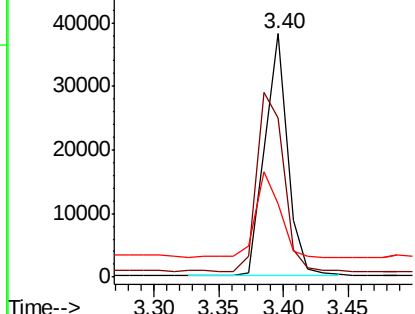
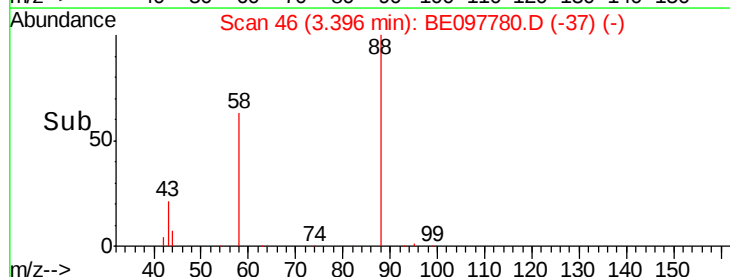
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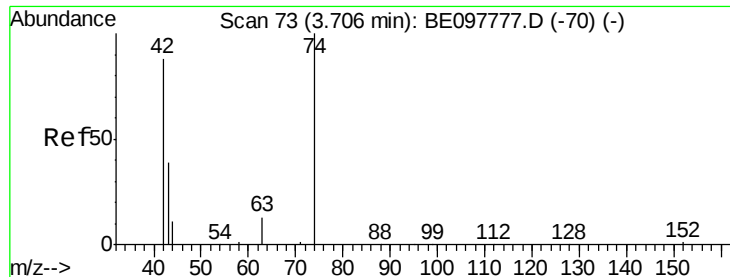
1,4-Dioxane
Concen: 6.083 ng
RT: 3.40 min Scan# 46
Delta R.T. 0.00 min
Lab File: BE097780.D
Acq: 6 Oct 2018 7:32

Tgt Ion: 88 Resp: 47548
Ion Ratio Lower Upper
88 100
58 85.3 70.8 106.2
43 37.3 33.3 49.9



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: 0.146 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.00 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

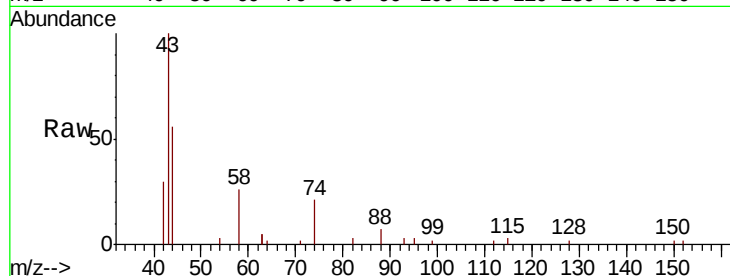
Tot Ion: 42 Resp: 1041

Ion Ratio Lower Upper

42 100

74 100.0 70.7 106.1

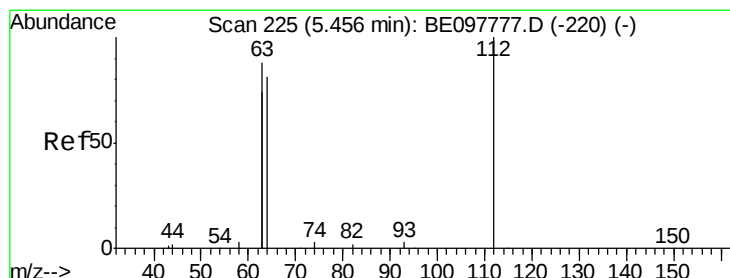
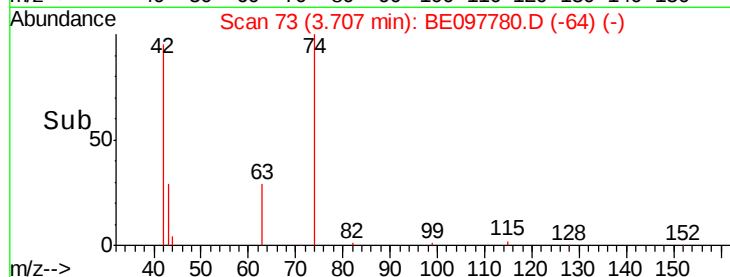
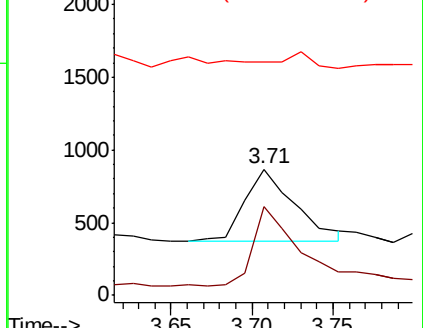
44 0.0 15.0 22.4#



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: 0.191 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

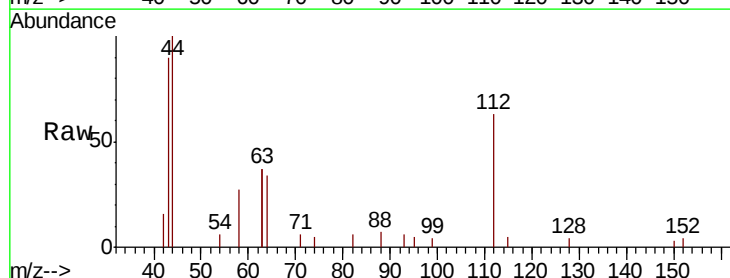
Tgt Ion: 112 Resp: 1777

Ion Ratio Lower Upper

112 100

64 74.3 56.6 84.8

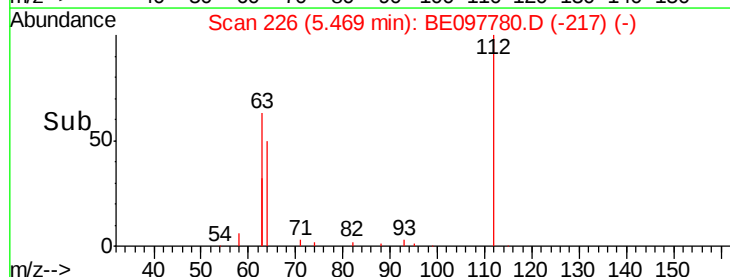
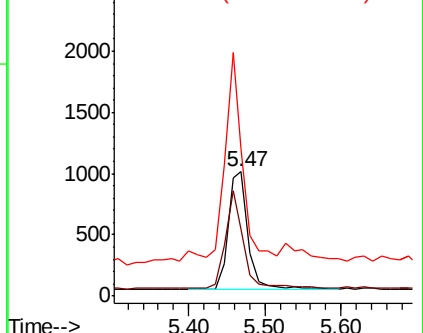
63 158.4 119.4 179.0

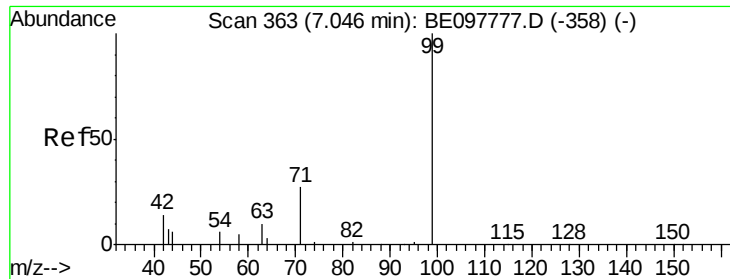


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.111 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

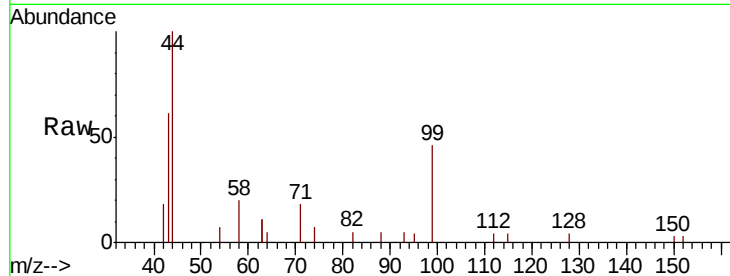
Tot Ion: 99 Resp: 1580

Ion Ratio Lower Upper

99 100

42 36.7 19.9 29.9#

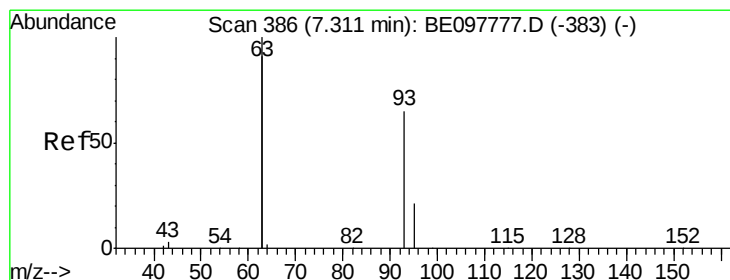
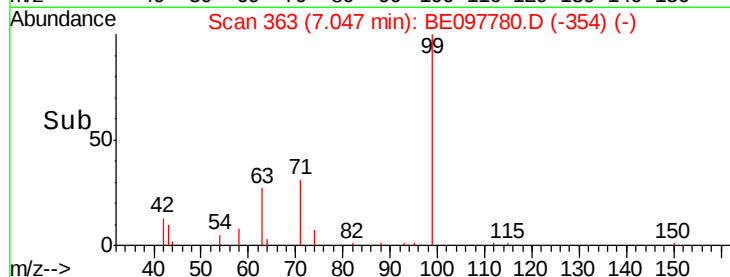
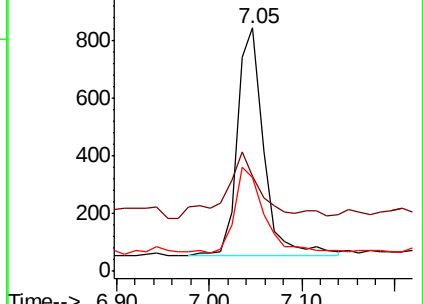
71 40.7 25.4 38.2#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.398 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

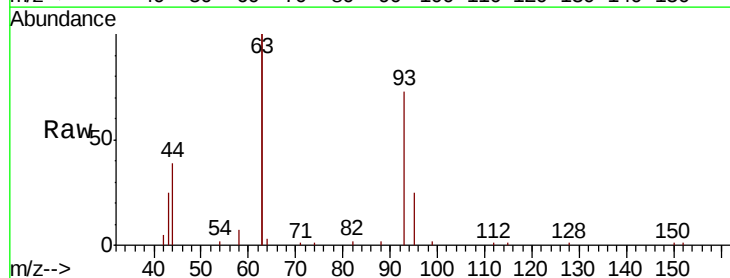
Tgt Ion: 93 Resp: 5863

Ion Ratio Lower Upper

93 100

63 339.8 266.9 400.3

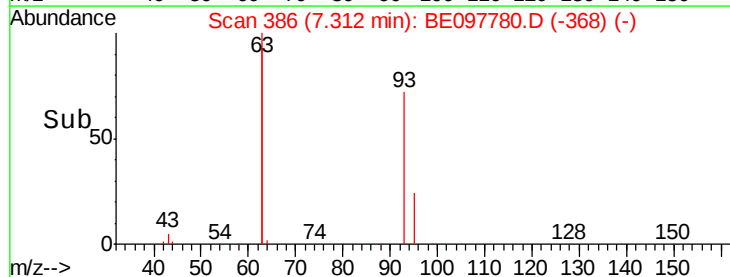
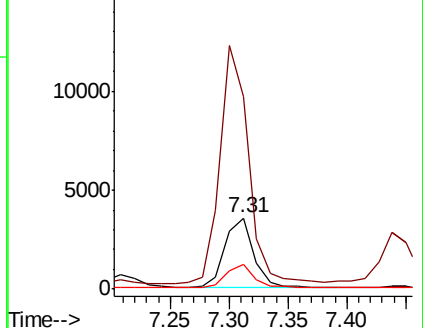
95 33.2 26.2 39.2

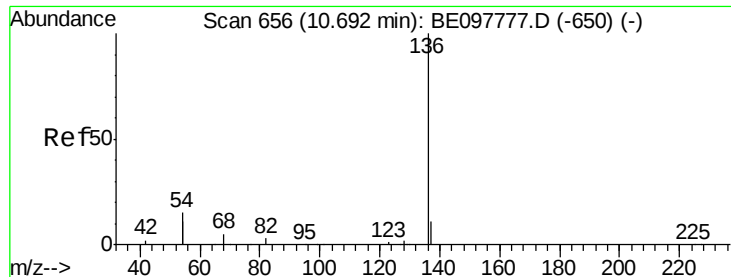


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

Tot Ion:136 Resp: 14889

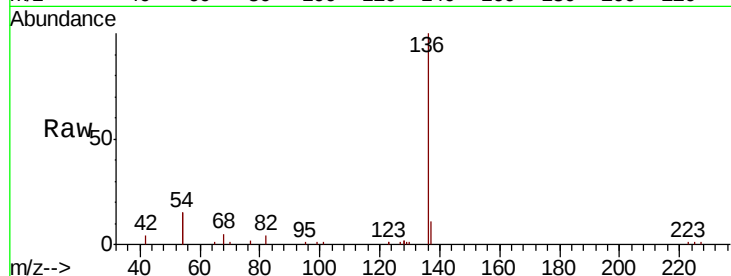
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 29.8 37.8 56.6#

68 5.5 6.4 9.6#

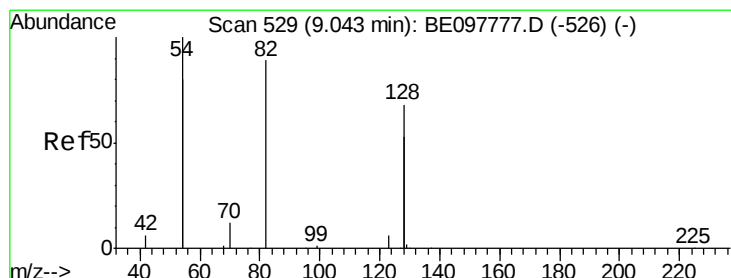
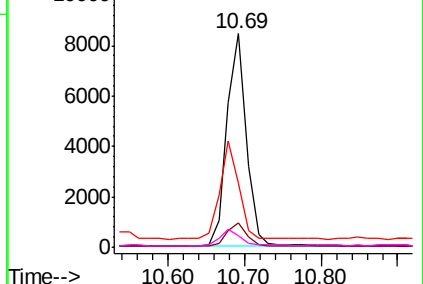
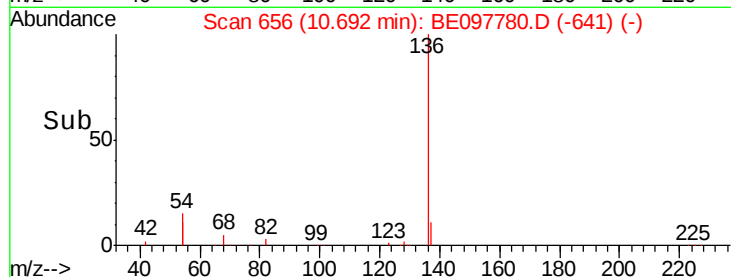


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.807 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

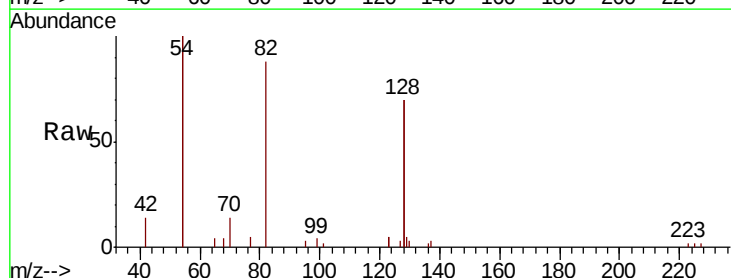
Tgt Ion: 82 Resp: 3902

Ion Ratio Lower Upper

82 100

128 159.1 97.0 145.4#

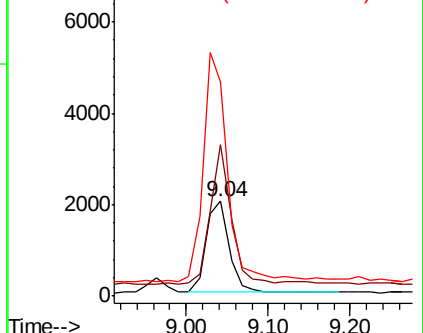
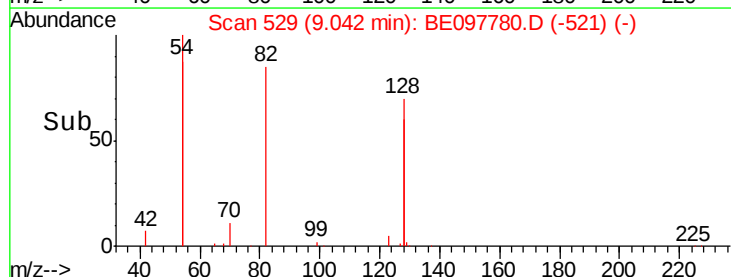
54 226.0 206.9 310.3

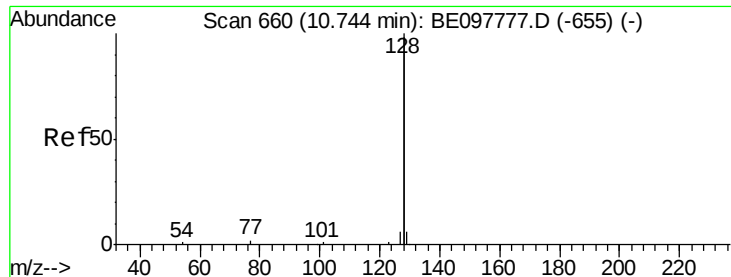


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.483 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

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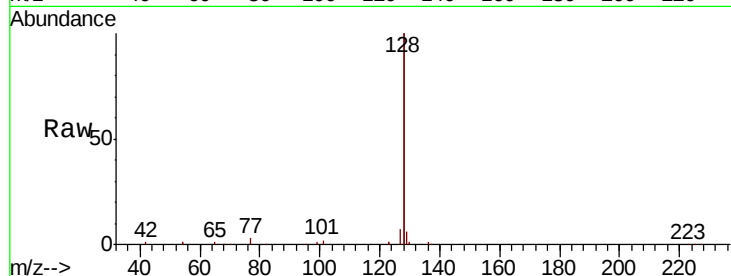
Tot Ion:128 Resp: 72413

Ion Ratio Lower Upper

128 100

129 2.9 2.2 3.2

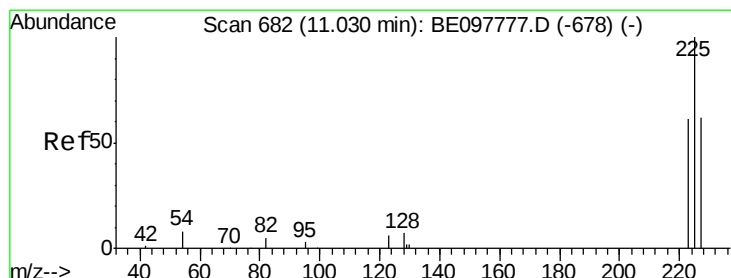
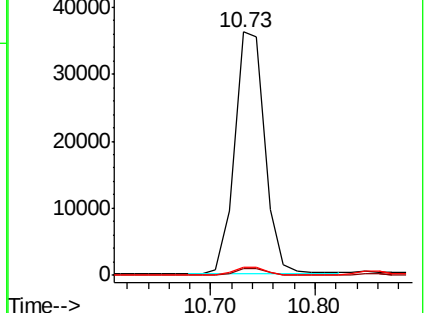
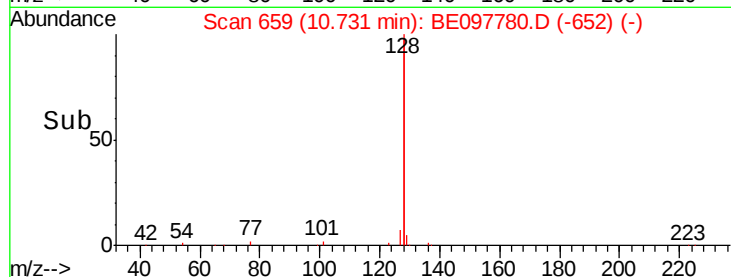
127 3.5 2.7 4.1



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: 0.372 ng

RT: 11.03 min Scan# 682

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

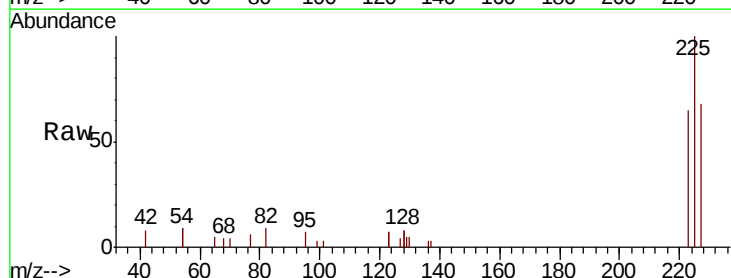
Tgt Ion:225 Resp: 2961

Ion Ratio Lower Upper

225 100

223 63.6 52.2 78.4

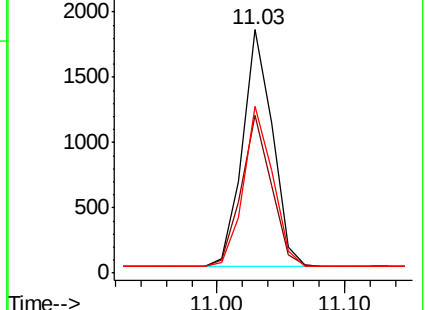
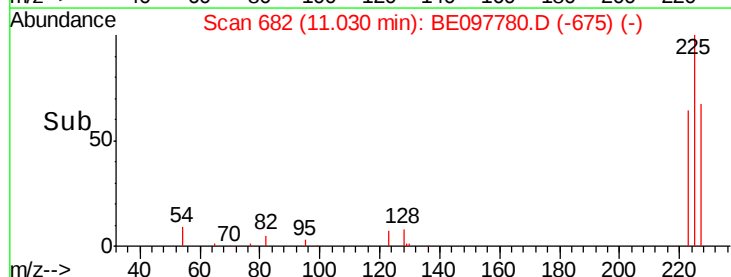
227 65.6 51.2 76.8

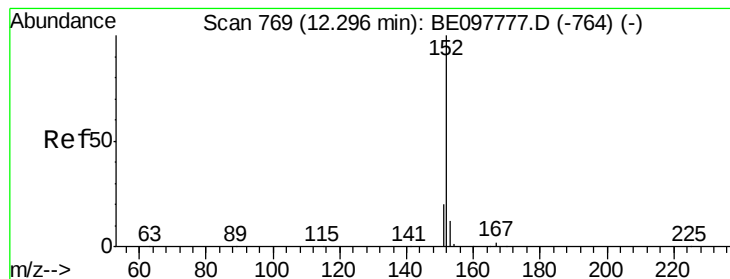


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

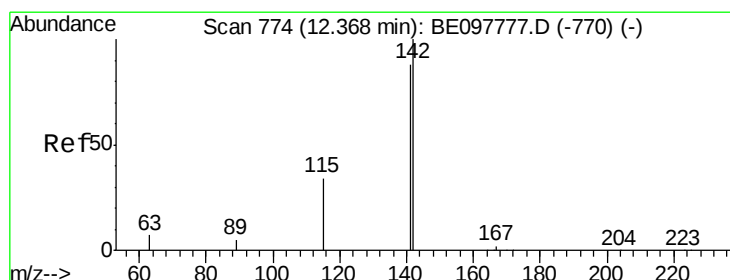
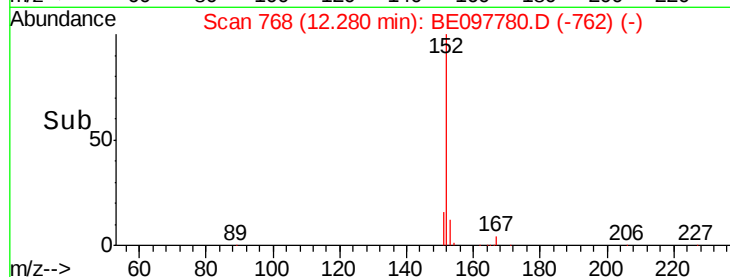
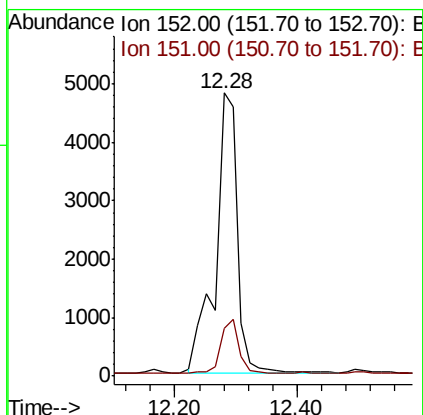
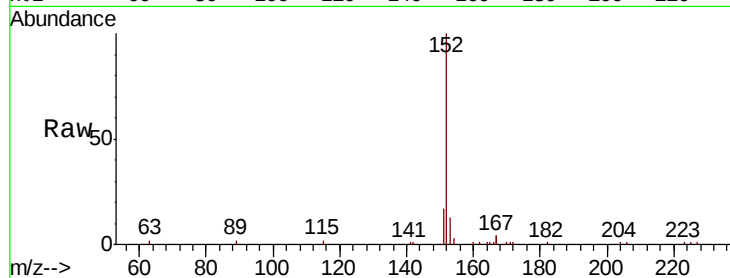




#11
 2-Methylnaphthalene-d10
 Concen: 0.501 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.02 min
 Lab File: BE097780.D
 Acq: 6 Oct 2018 7:32

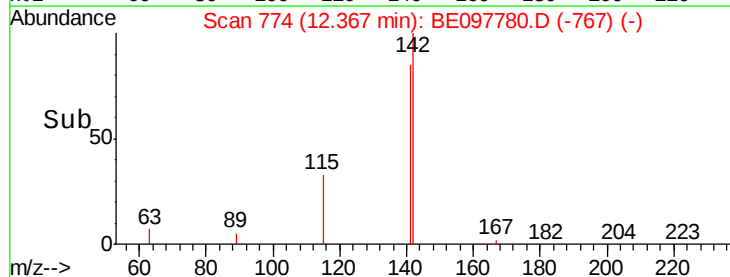
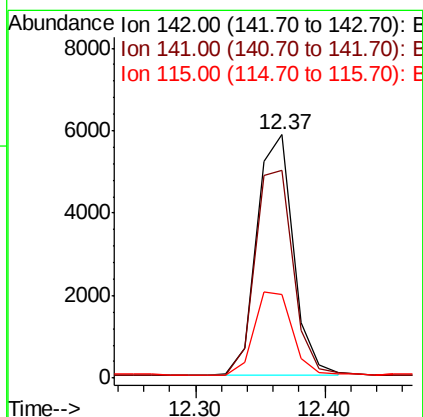
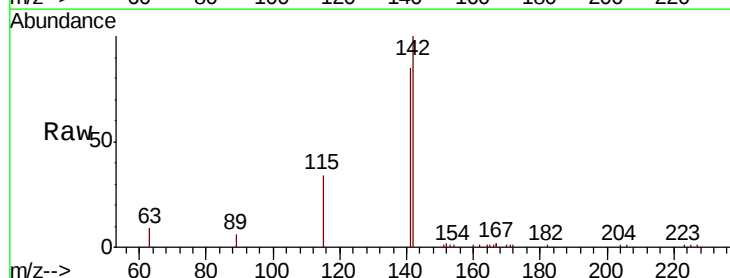
Instrument :
 BNA_E
 ClientSampleId :
 RE-125D2-2018001MSD

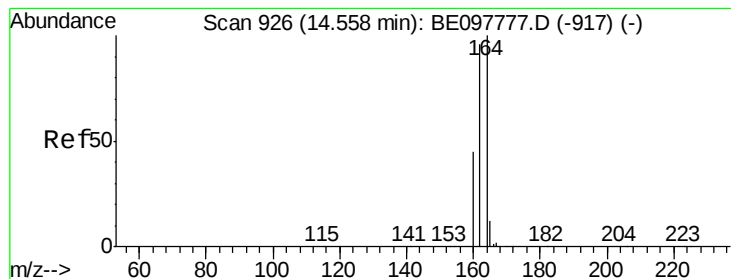
Tot Ion:152 Resp: 11879
 Ion Ratio Lower Upper
 152 100
 151 16.2 15.4 23.2



#12
 2-Methylnaphthalene
 Concen: 0.479 ng
 RT: 12.37 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: BE097780.D
 Acq: 6 Oct 2018 7:32

Tgt Ion:142 Resp: 11508
 Ion Ratio Lower Upper
 142 100
 141 85.2 69.4 104.2
 115 34.1 28.0 42.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.56 min Scan# 926

Delta R.T. -0.00 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

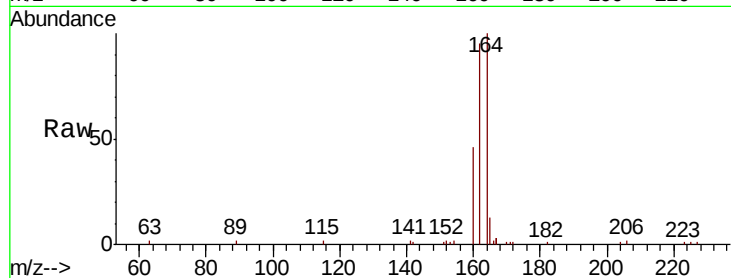
Tot Ion:164 Resp: 7699

Ion Ratio Lower Upper

164 100

162 94.6 78.6 117.8

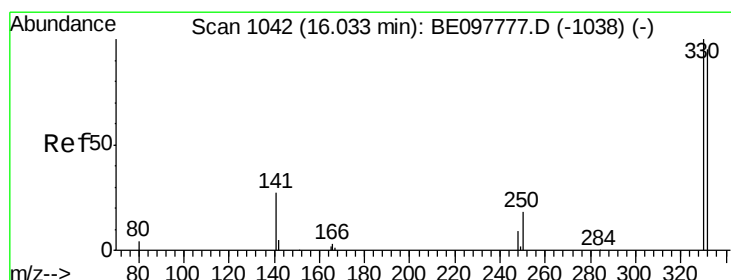
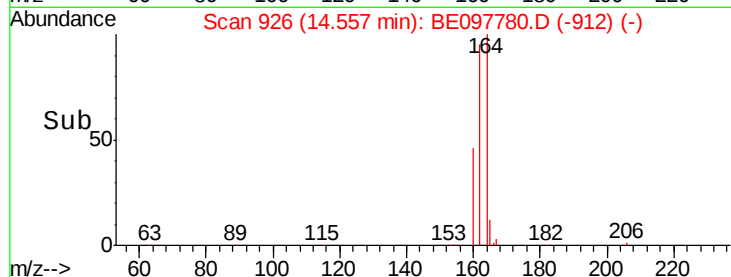
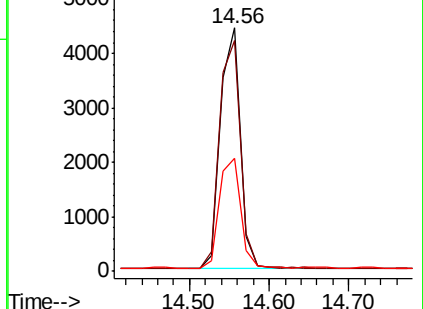
160 46.4 37.8 56.6



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: 0.545 ng

RT: 16.03 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

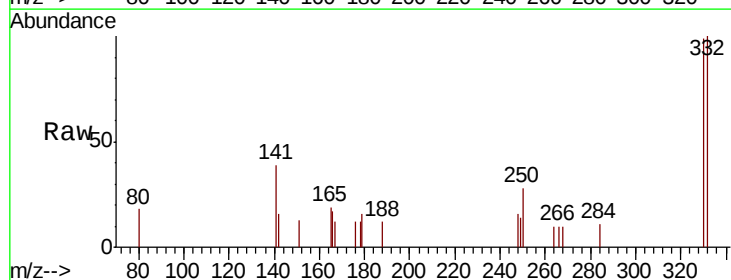
Tgt Ion:330 Resp: 761

Ion Ratio Lower Upper

330 100

332 96.7 83.5 125.3

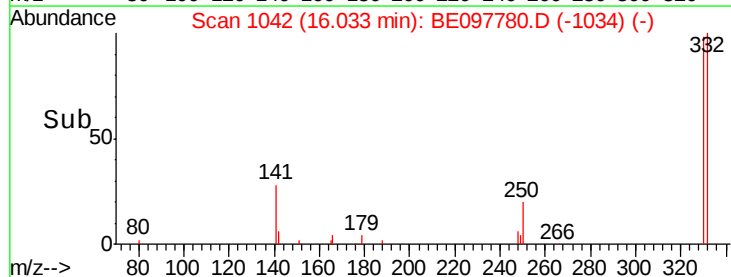
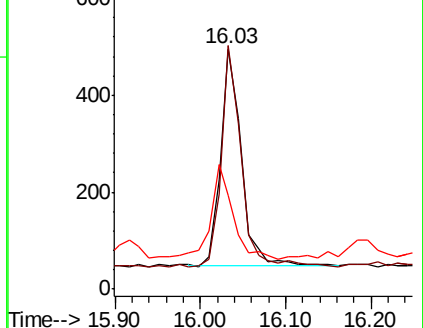
141 47.8 34.9 52.3

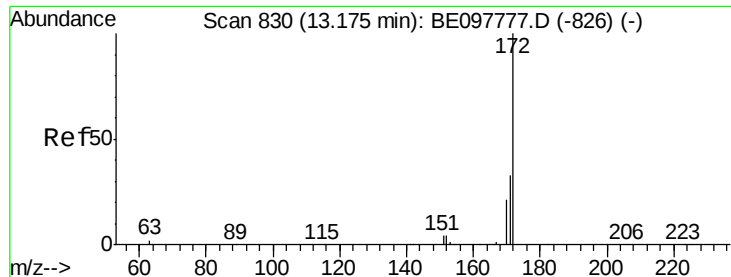


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

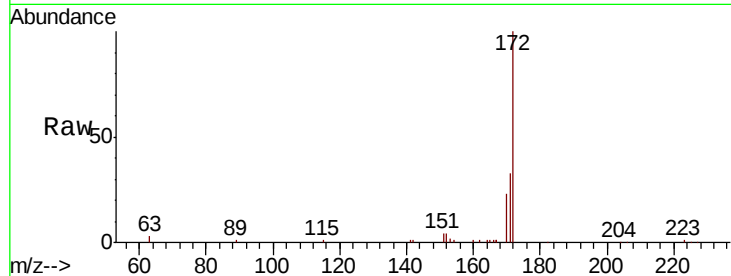




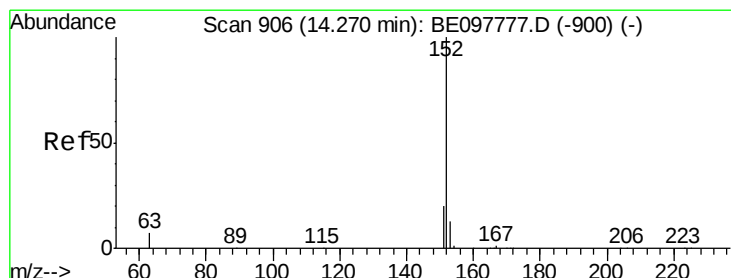
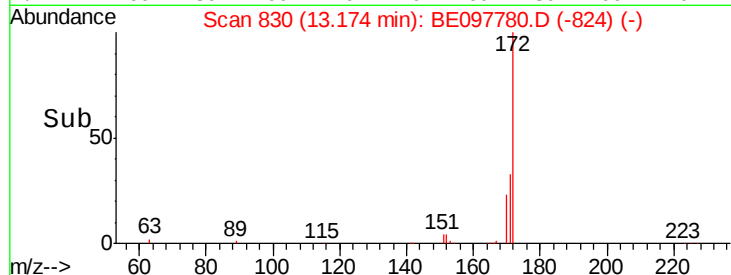
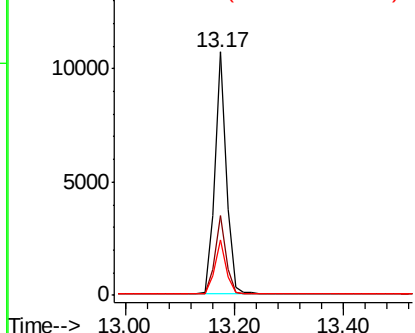
#15
2-Fluorobiphenyl
Concen: 0.474 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.02 min
Lab File: BE097780.D
Acq: 6 Oct 2018 7:32

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tot Ion:172 Resp: 16063
Ion Ratio Lower Upper
172 100
171 32.9 25.2 37.8
170 22.9 16.2 24.2

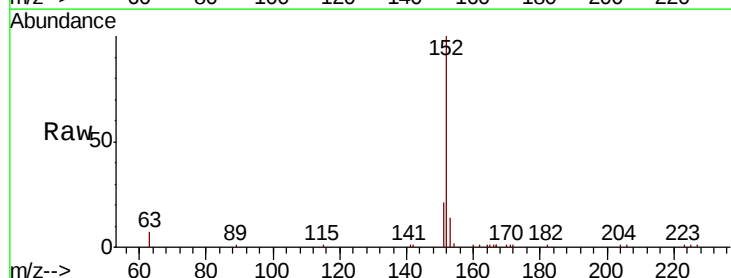


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

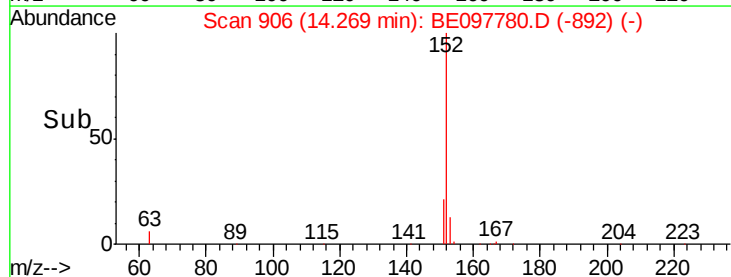
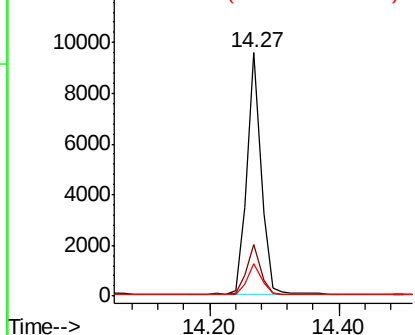


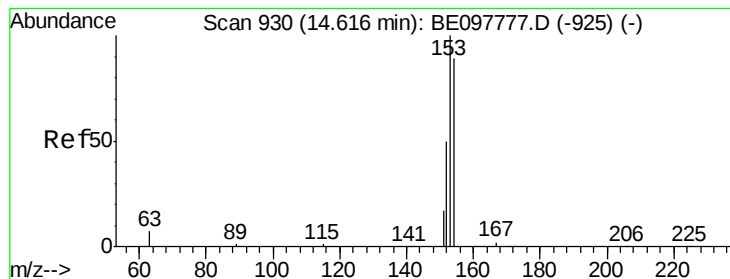
#16
Acenaphthylene
Concen: 0.434 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097780.D
Acq: 6 Oct 2018 7:32

Tgt Ion:152 Resp: 14805
Ion Ratio Lower Upper
152 100
151 20.8 15.3 22.9
153 13.1 10.8 16.2



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: 0.426 ng

RT: 14.61 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

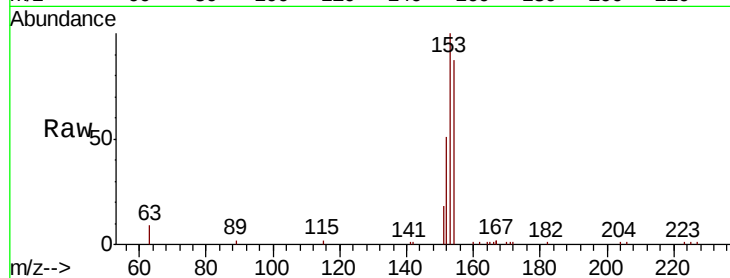
Tot Ion:154 Resp: 9298

Ion Ratio Lower Upper

154 100

153 115.4 93.3 139.9

152 59.1 48.9 73.3

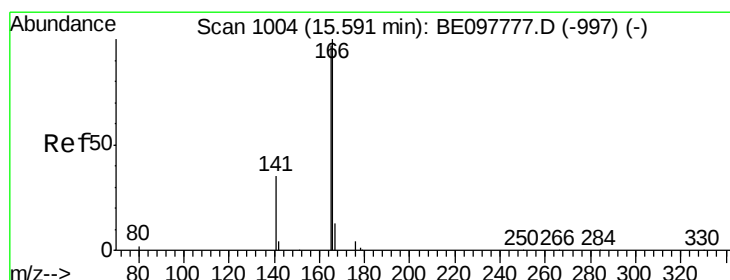
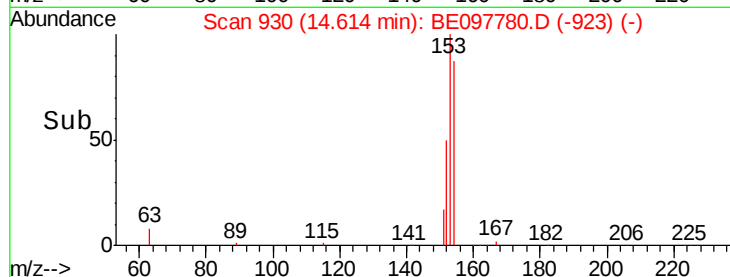
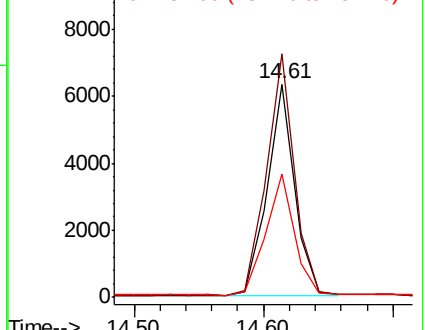


Abundance

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: 0.436 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

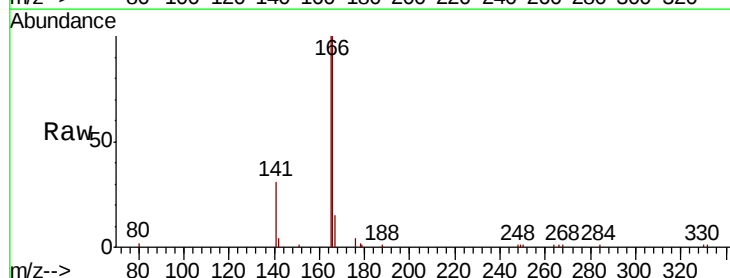
Tgt Ion:166 Resp: 12648

Ion Ratio Lower Upper

166 100

165 100.6 79.0 118.4

167 13.9 11.1 16.7

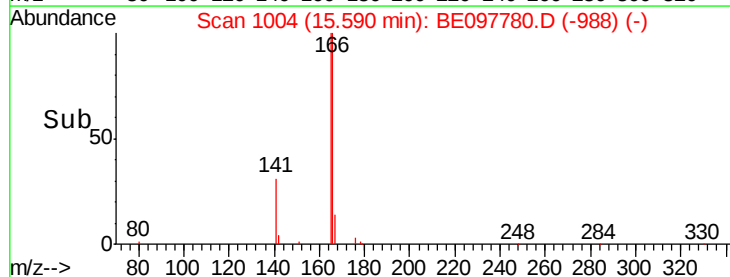
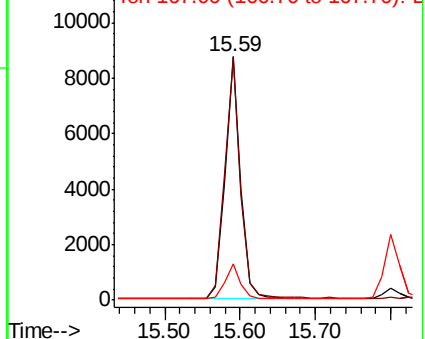


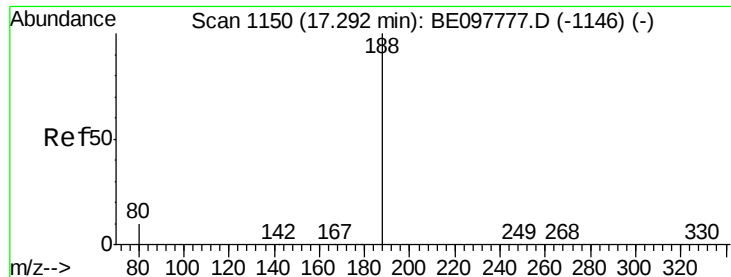
Abundance

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: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

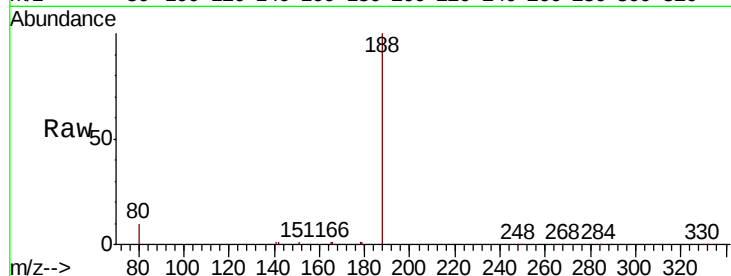
Tot Ion:188 Resp: 19220

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

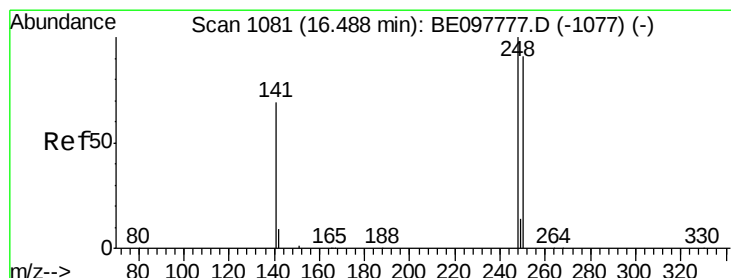
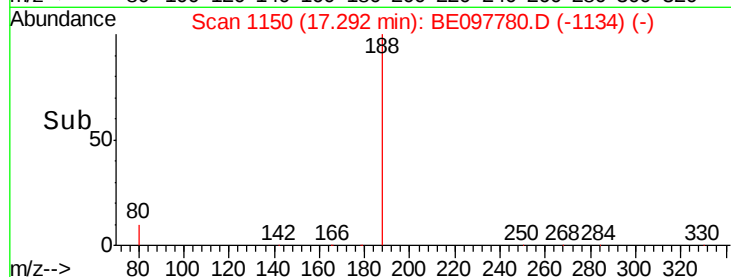
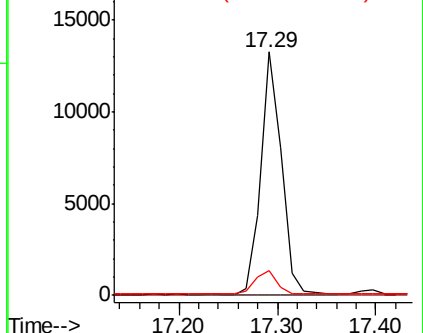
80 10.4 6.6 9.8#



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: 0.425 ng

RT: 16.49 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

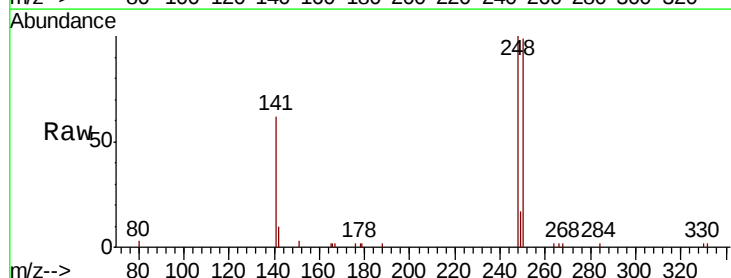
Tgt Ion:248 Resp: 4284

Ion Ratio Lower Upper

248 100

250 98.9 76.1 114.1

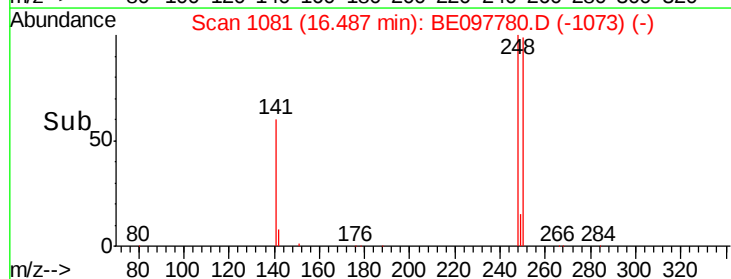
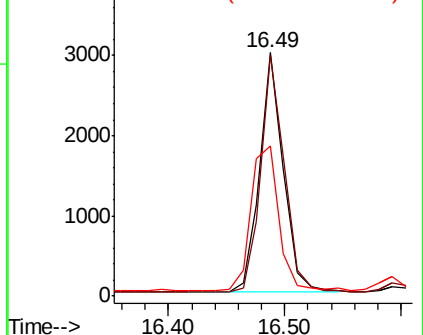
141 61.9 42.2 63.4

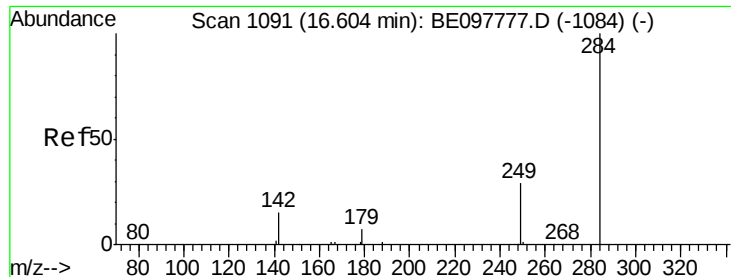


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.385 ng

RT: 16.60 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

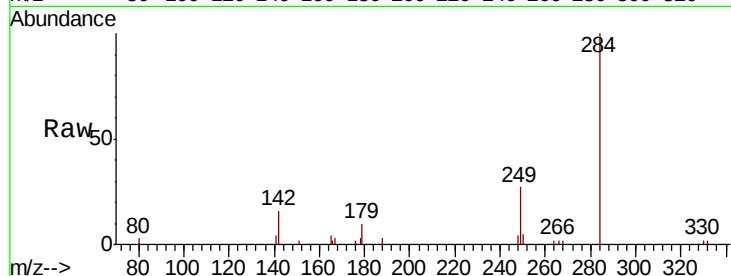
Tot Ion:284 Resp: 4369

Ion Ratio Lower Upper

284 100

142 34.0 24.9 37.3

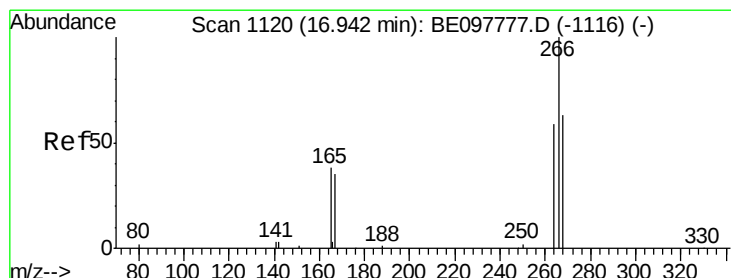
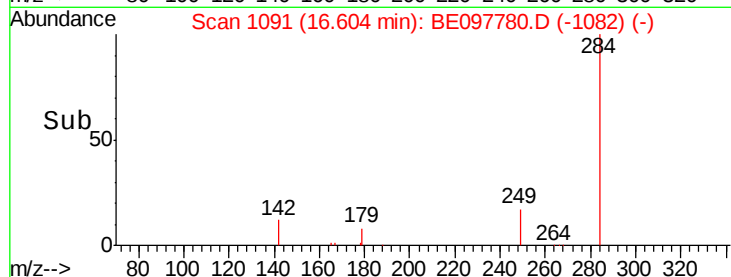
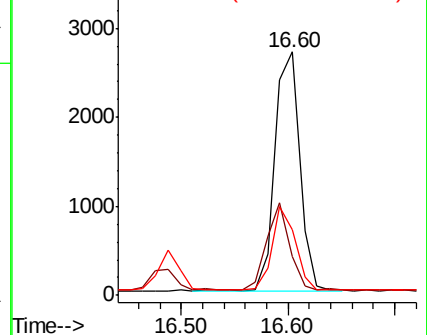
249 32.4 25.8 38.8



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: 0.878 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

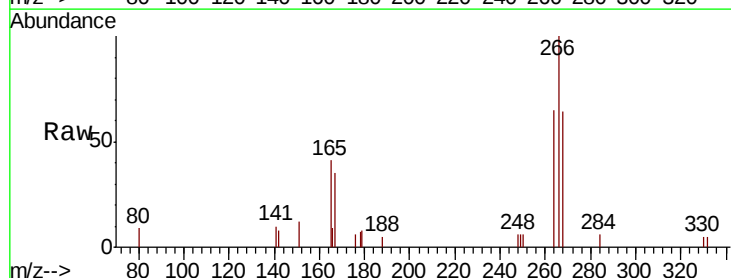
Tgt Ion:266 Resp: 1562

Ion Ratio Lower Upper

266 100

264 65.3 46.8 70.2

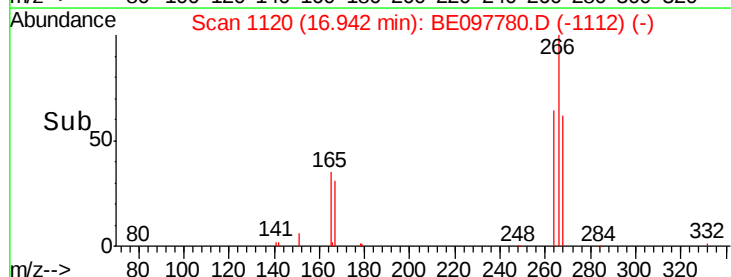
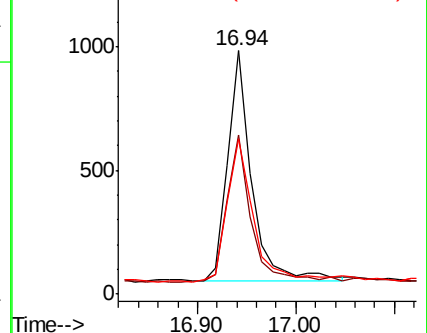
268 63.8 53.0 79.6

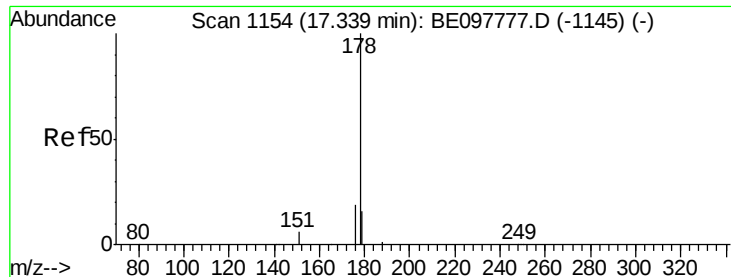


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.451 ng

RT: 17.34 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

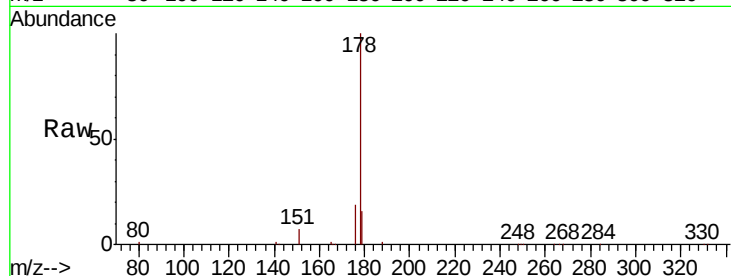
Tot Ion:178 Resp: 22314

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

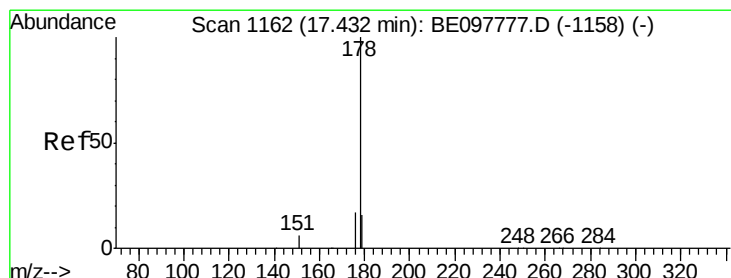
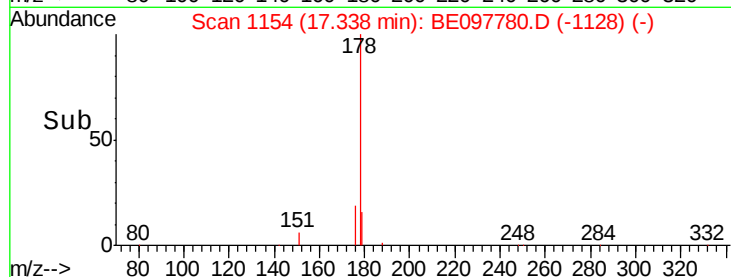
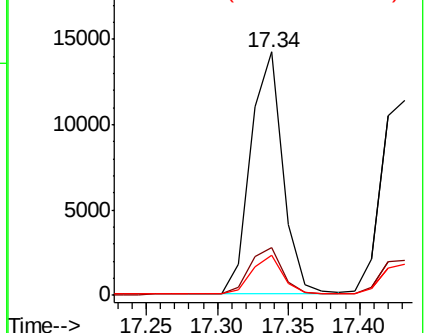
179 15.6 12.2 18.4



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: 0.455 ng

RT: 17.43 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

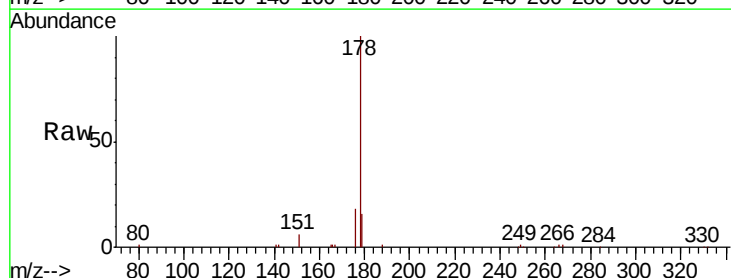
Tgt Ion:178 Resp: 19439

Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

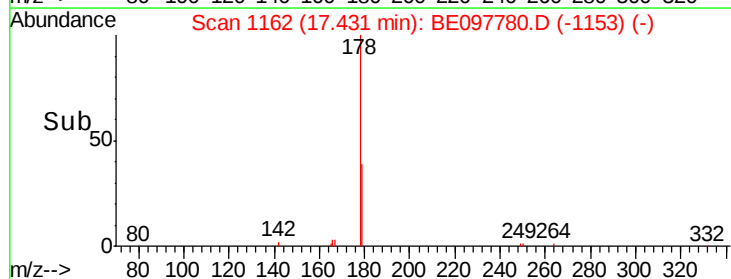
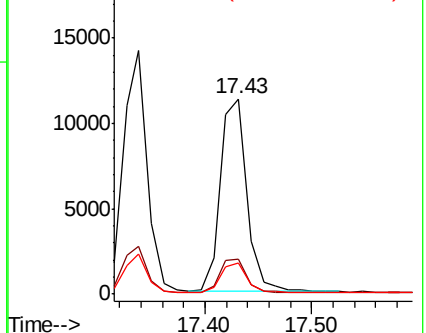
179 15.2 12.2 18.2

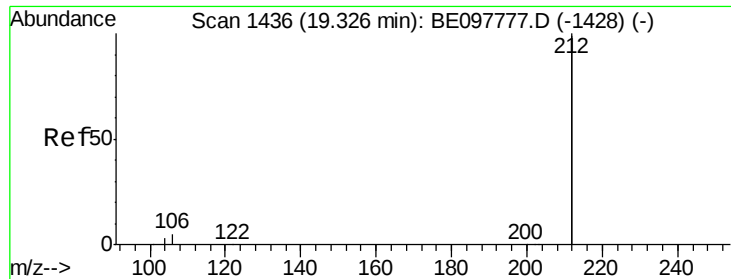


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.442 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

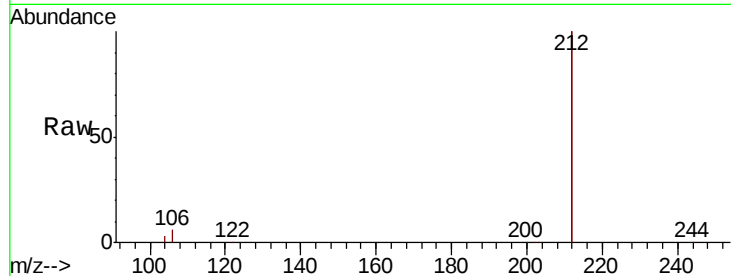
Tot Ion:212 Resp: 107506

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

104 1.6 1.2 1.8

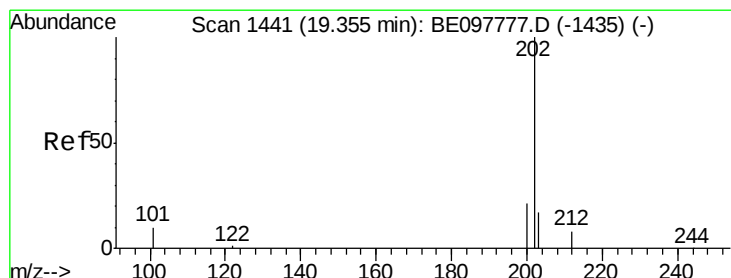
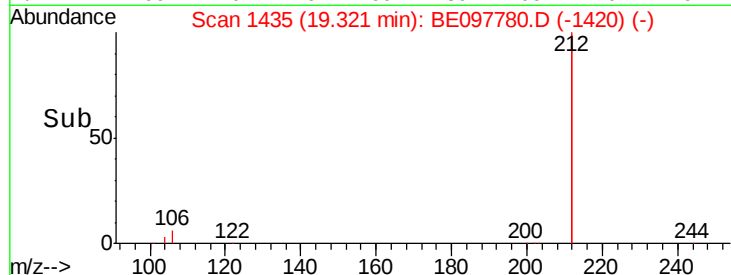
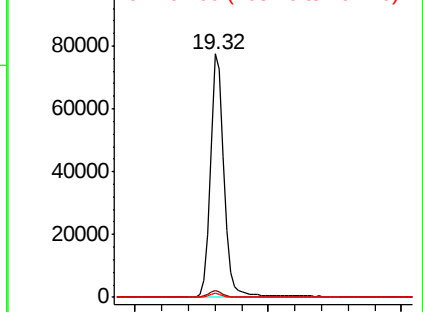


Abundance

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: 0.469 ng

RT: 19.36 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

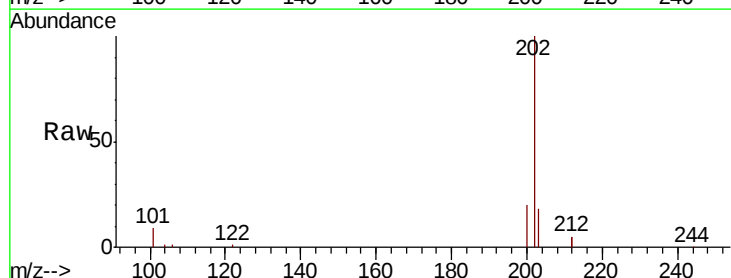
Tgt Ion:202 Resp: 29612

Ion Ratio Lower Upper

202 100

101 9.9 7.8 11.8

203 17.2 13.8 20.6

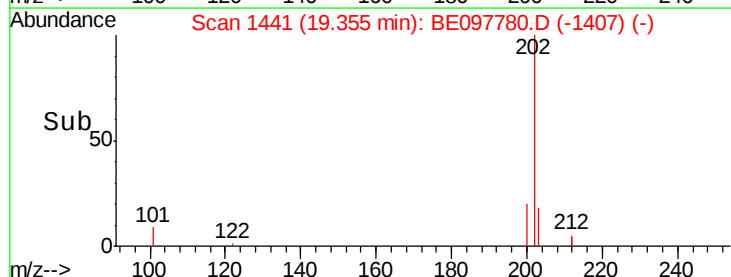
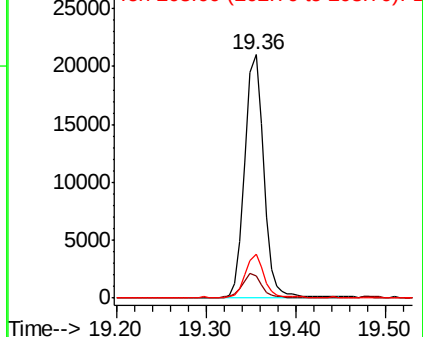


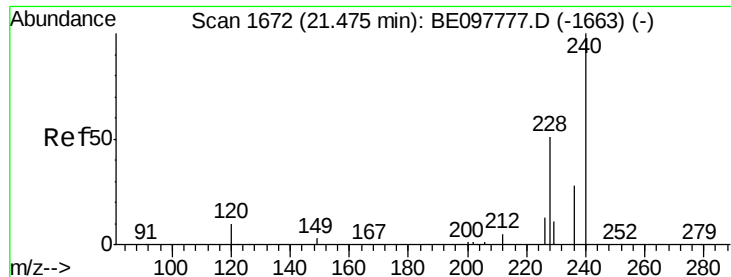
Abundance

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

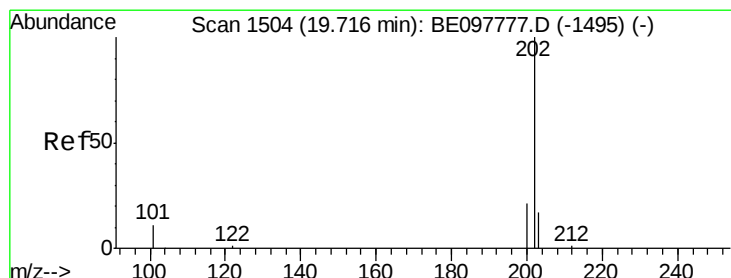
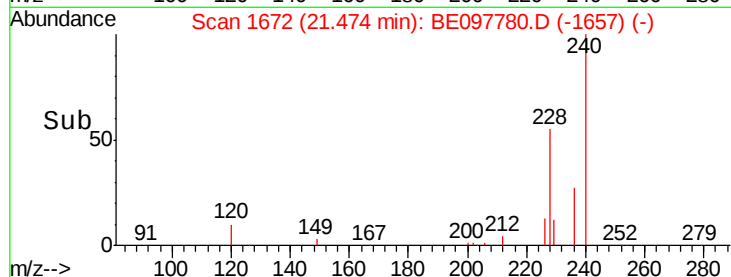
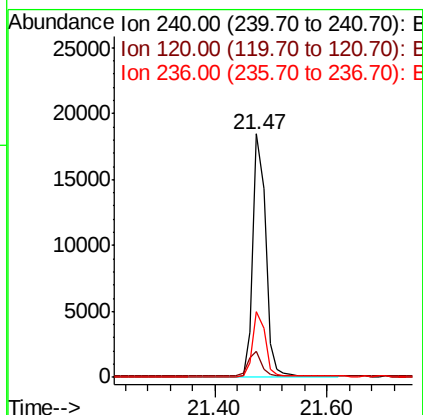
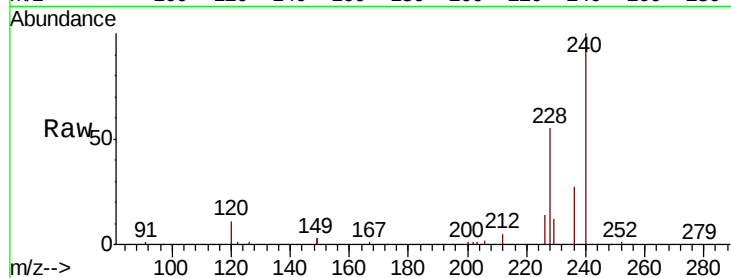




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.47 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BE097780.D
 Acq: 6 Oct 2018 7:32

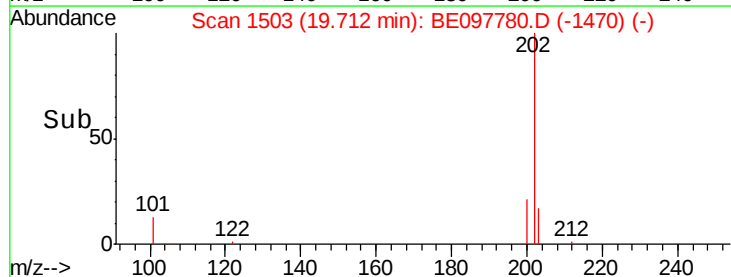
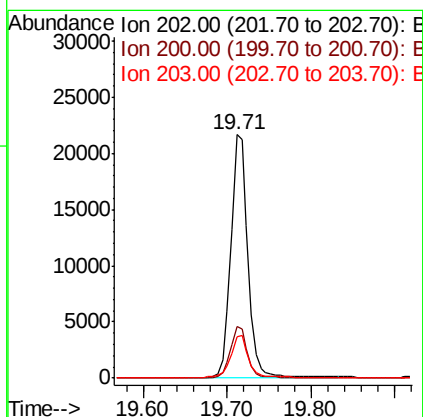
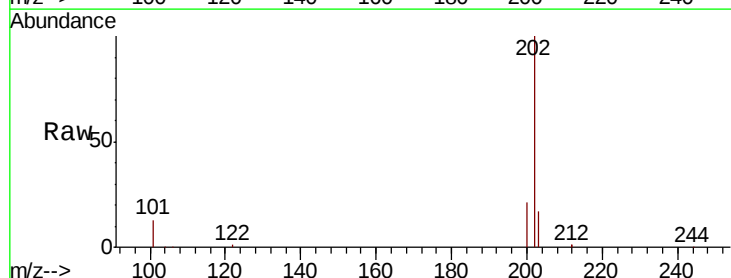
Instrument :
 BNA_E
 ClientSampleId :
 RE-125D2-2018001MSD

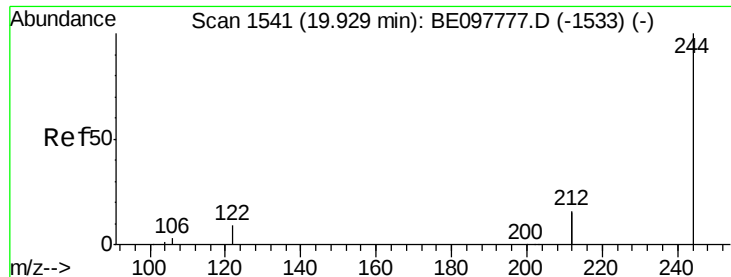
Tot Ion:240 Resp: 29339
 Ion Ratio Lower Upper
 240 100
 120 10.7 4.7 7.1#
 236 26.9 20.8 31.2



#28
 Pyrene
 Concen: 0.406 ng
 RT: 19.71 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BE097780.D
 Acq: 6 Oct 2018 7:32

Tgt Ion:202 Resp: 30278
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.7 25.1
 203 18.1 13.9 20.9





#29

Terphenyl-d14

Concen: 0.354 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

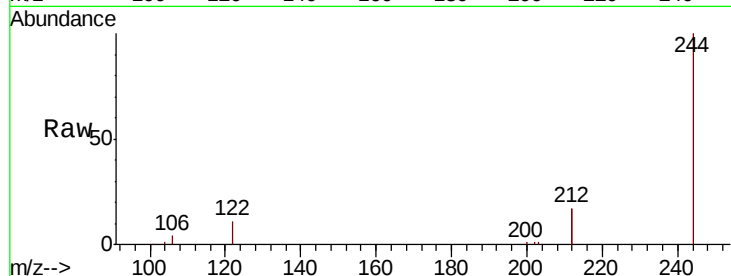
Tot Ion:244 Resp: 21189

Ion Ratio Lower Upper

244 100

212 33.4 25.8 38.8

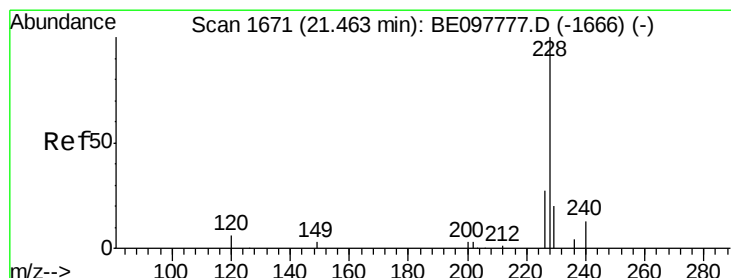
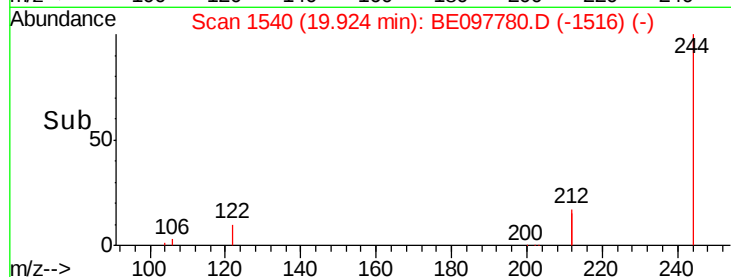
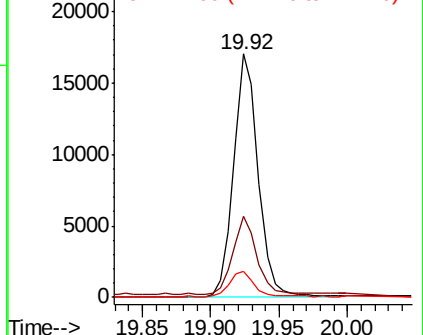
122 10.5 8.7 13.1



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: 0.476 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

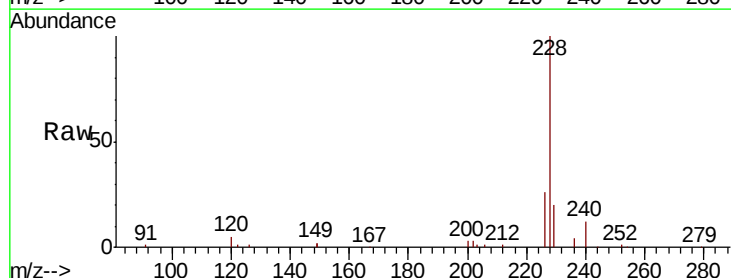
Tgt Ion:228 Resp: 37520

Ion Ratio Lower Upper

228 100

226 26.5 20.7 31.1

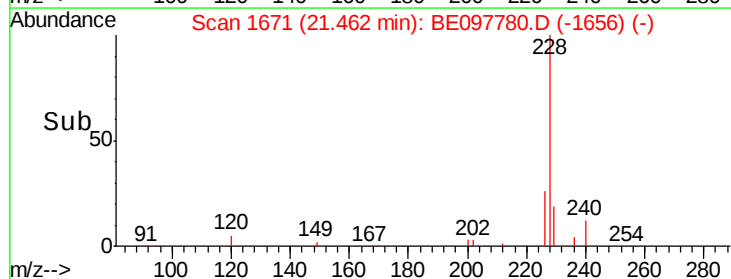
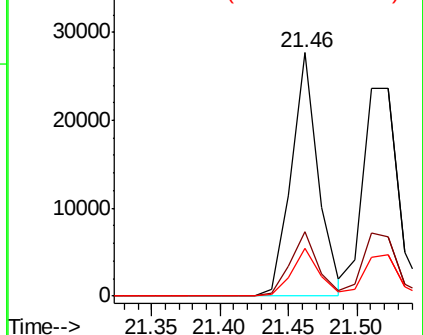
229 19.6 15.7 23.5

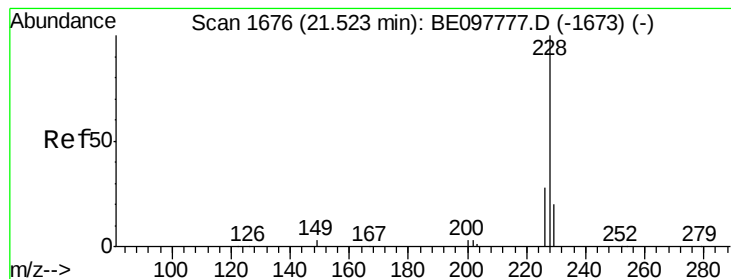


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.469 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

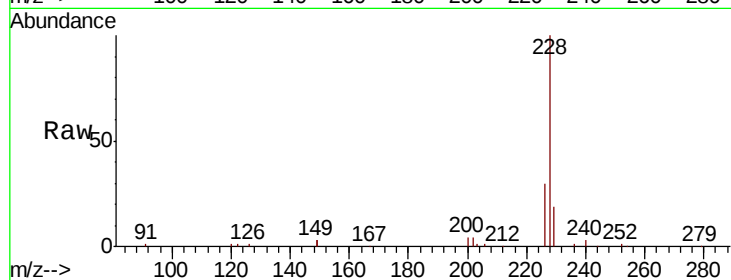
Tot Ion:228 Resp: 41356

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

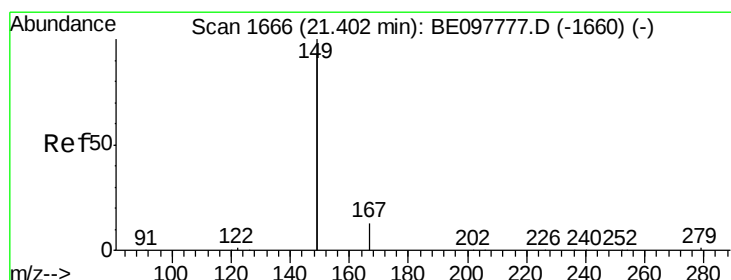
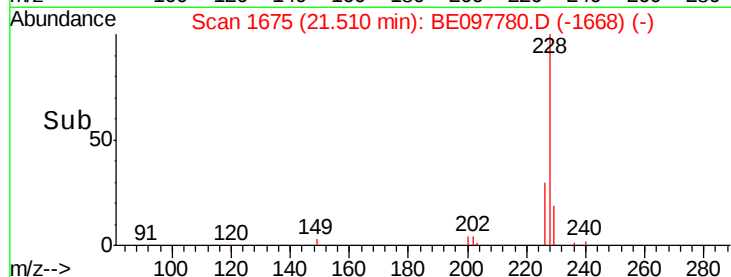
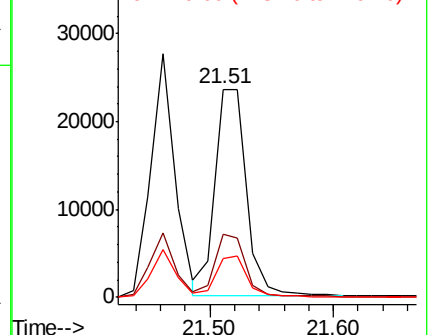
229 18.9 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.658 ng

RT: 21.40 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

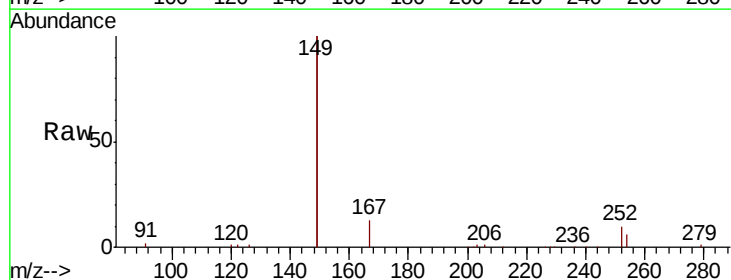
Tgt Ion:149 Resp: 37949

Ion Ratio Lower Upper

149 100

167 6.4 5.5 8.3

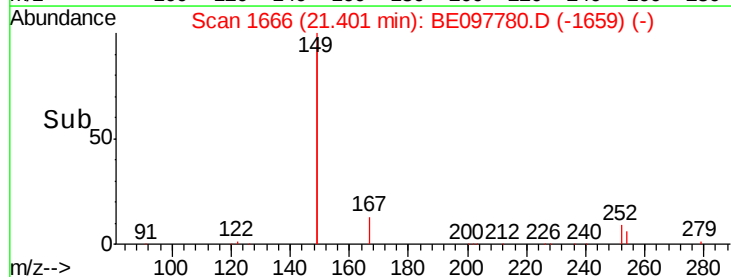
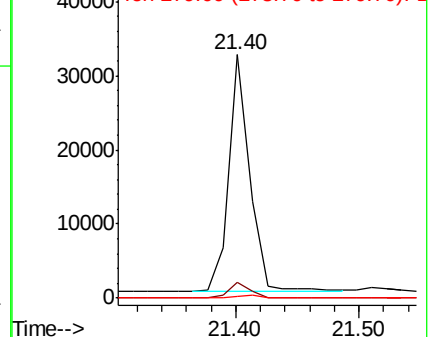
279 1.0 0.9 1.3

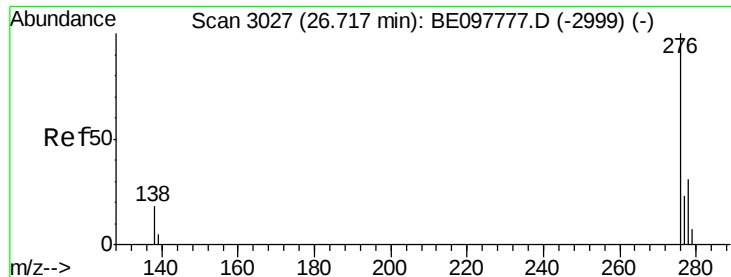


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.472 ng

RT: 26.72 min Scan# 3027

Delta R.T. -0.02 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

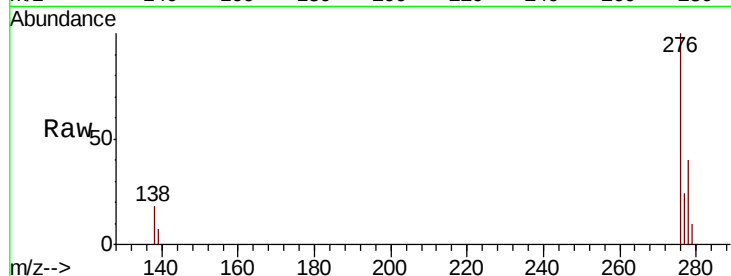
Tot Ion:276 Resp: 36110

Ion Ratio Lower Upper

276 100

138 20.9 15.0 22.6

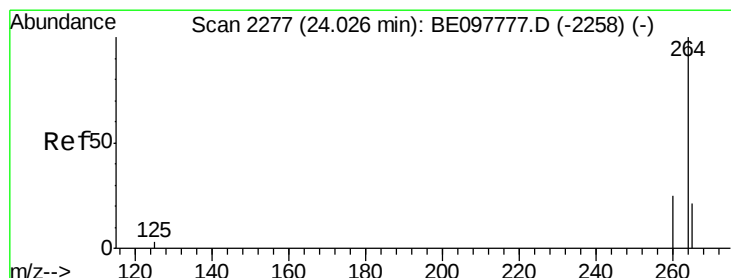
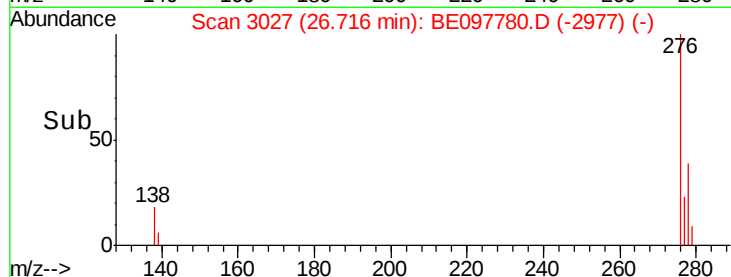
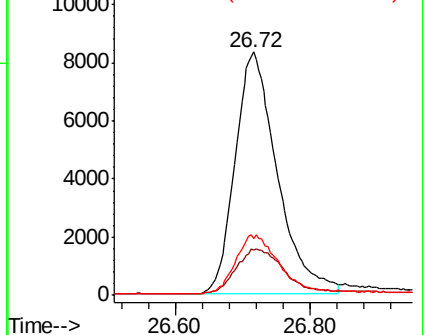
277 24.7 19.2 28.8



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: 24.03 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

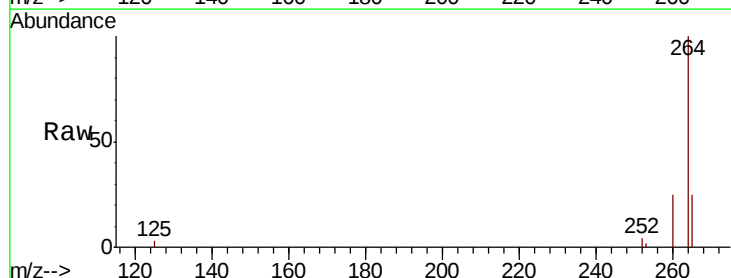
Tgt Ion:264 Resp: 29180

Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

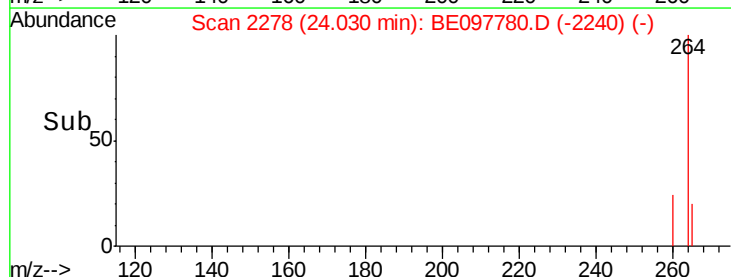
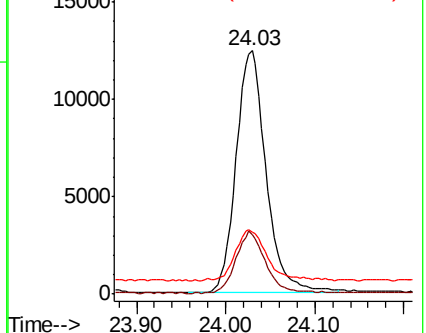
265 25.5 21.9 32.9

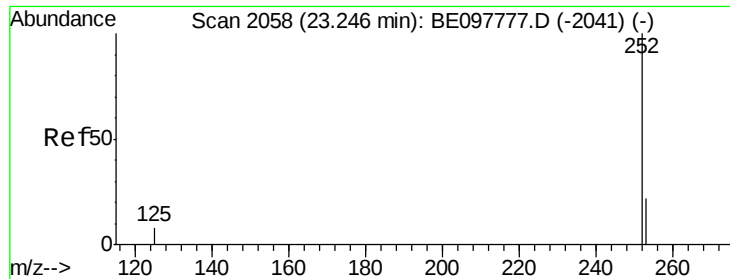


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

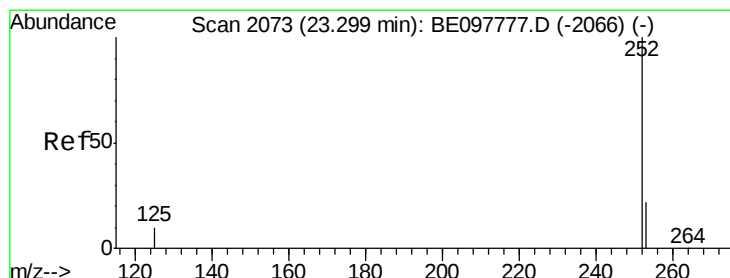
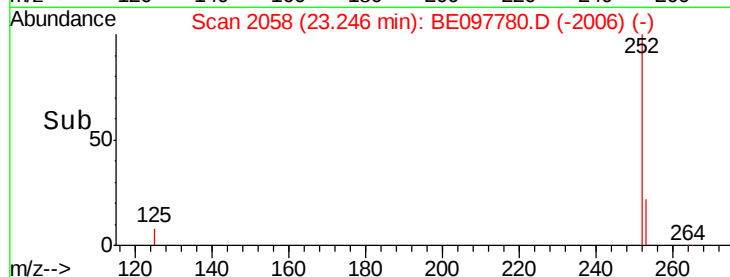
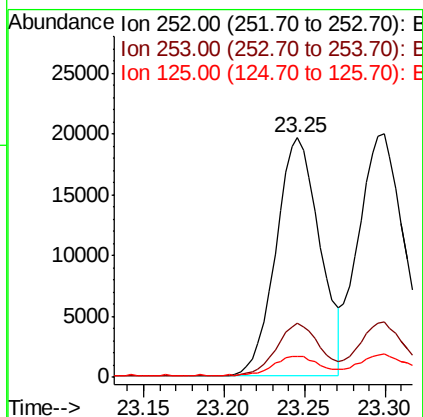
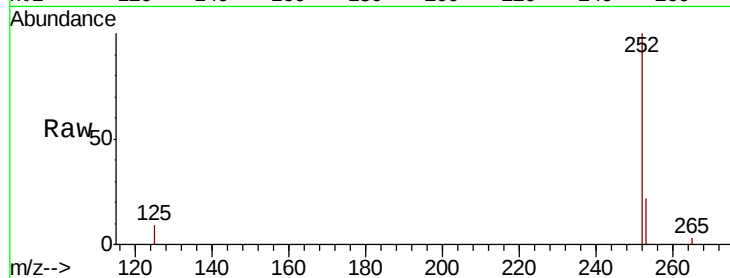




#35
Benzo(b)fluoranthene
Concen: 0.465 ng
RT: 23.25 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BE097780.D
Acq: 6 Oct 2018 7:32

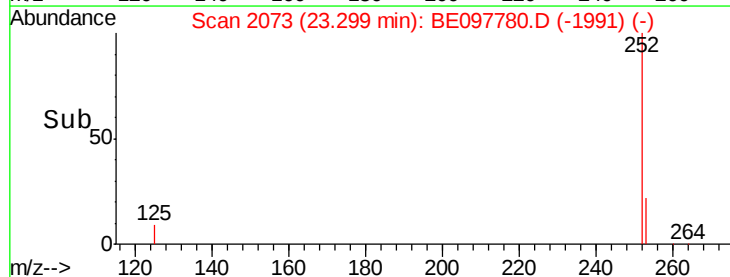
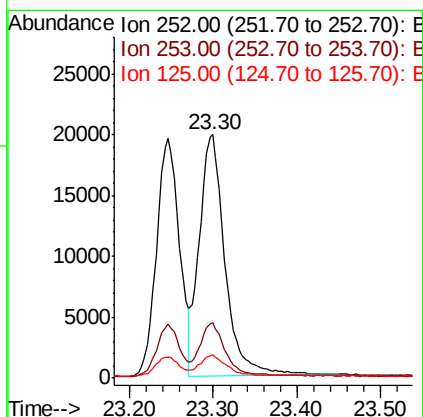
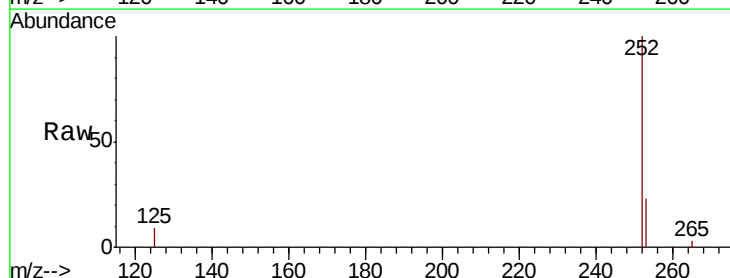
Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

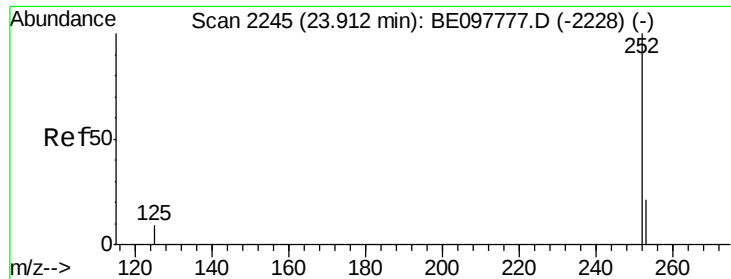
Tot Ion:252 Resp: 37239
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 8.6 7.8 11.8



#36
Benzo(k)fluoranthene
Concen: 0.474 ng
RT: 23.30 min Scan# 2073
Delta R.T. -0.01 min
Lab File: BE097780.D
Acq: 6 Oct 2018 7:32

Tgt Ion:252 Resp: 42122
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 9.5 7.5 11.3





#37

Benzo(a)pyrene

Concen: 0.467 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

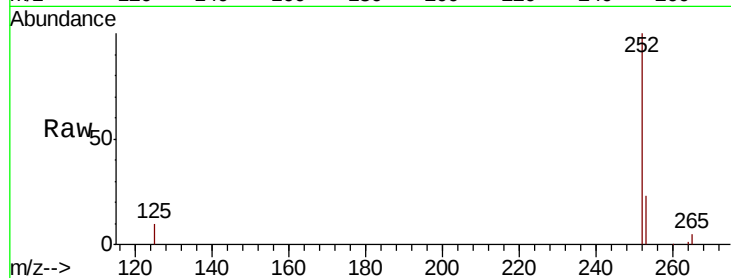
Tot Ion:252 Resp: 33870

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

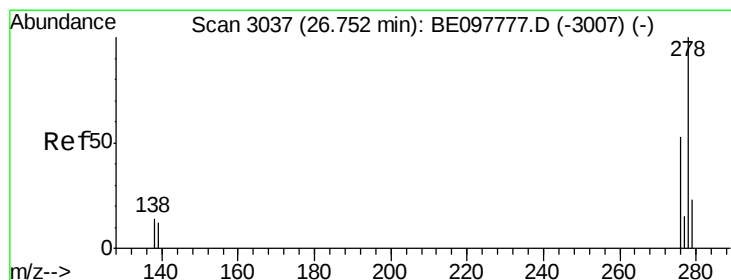
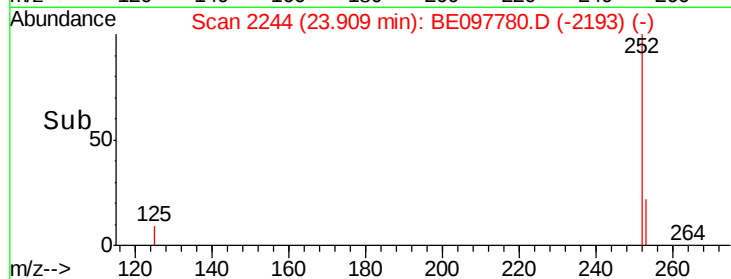
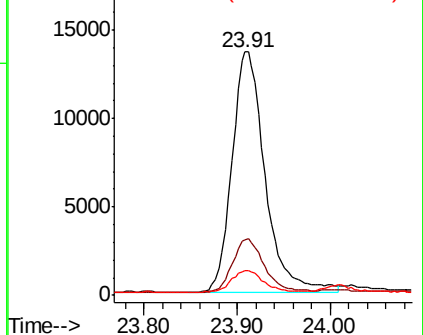
125 10.2 8.3 12.5



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: 0.432 ng

RT: 26.75 min Scan# 3036

Delta R.T. -0.02 min

Lab File: BE097780.D

Acq: 6 Oct 2018 7:32

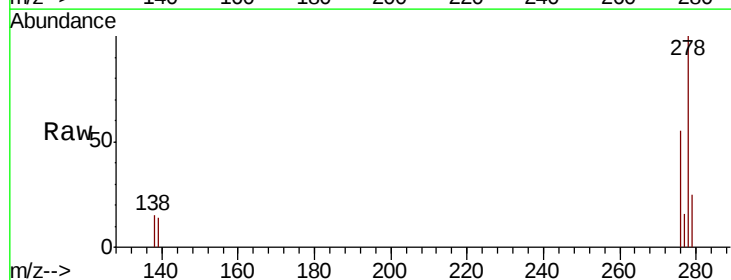
Tgt Ion:278 Resp: 30843

Ion Ratio Lower Upper

278 100

139 14.3 10.3 15.5

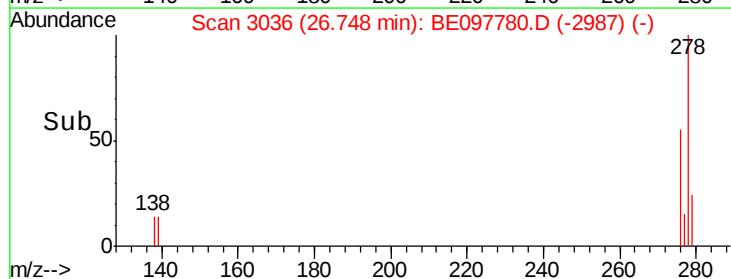
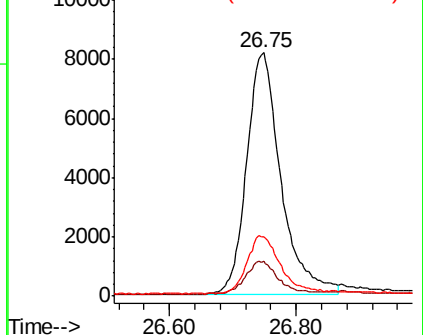
279 24.5 18.4 27.6

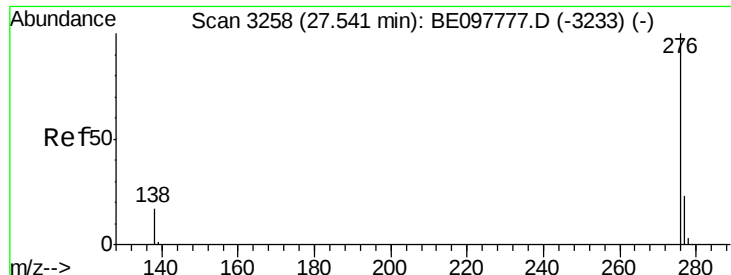


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.436 ng

RT: 27.53 min Scan# 3256

Delta R.T. -0.02 min

Lab File: BE097780.D

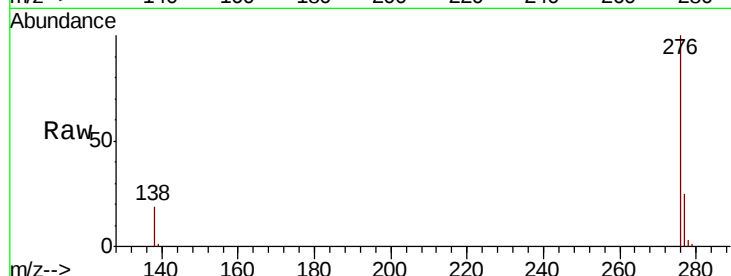
Acq: 6 Oct 2018 7:32

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD



Tot Ion: 276 Resp: 32554

Ion Ratio Lower Upper

276 100

277 24.7 19.1 28.7

138 19.4 14.2 21.2

