

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100818\
 Data File : BE097793.D
 Acq On : 8 Oct 2018 14:24
 Operator : SJ/JU
 Sample : J5284-04MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Oct 09 06:57:03 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	4294	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	17184	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	8912	0.40	ng	-0.02
19) Phenanthrene-d10	17.29	188	23122	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	35222	0.40	ng	-0.01
34) Perylene-d12	24.02	264	34263	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	2133	0.21	ng	0.00
5) Phenol-d6	7.04	99	1762	0.11	ng	0.00
8) Nitrobenzene-d5	9.04	82	4122	0.74	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	13624	0.50	ng	-0.02
14) 2,4,6-Tribromophenol	16.03	330	767	0.47	ng	-0.01
15) 2-Fluorobiphenyl	13.17	172	18312	0.47	ng	-0.02
25) Fluoranthene-d10	19.32	212	132031	0.45	ng	-0.01
29) Terphenyl-d14	19.92	244	26202	0.36	ng	-0.01

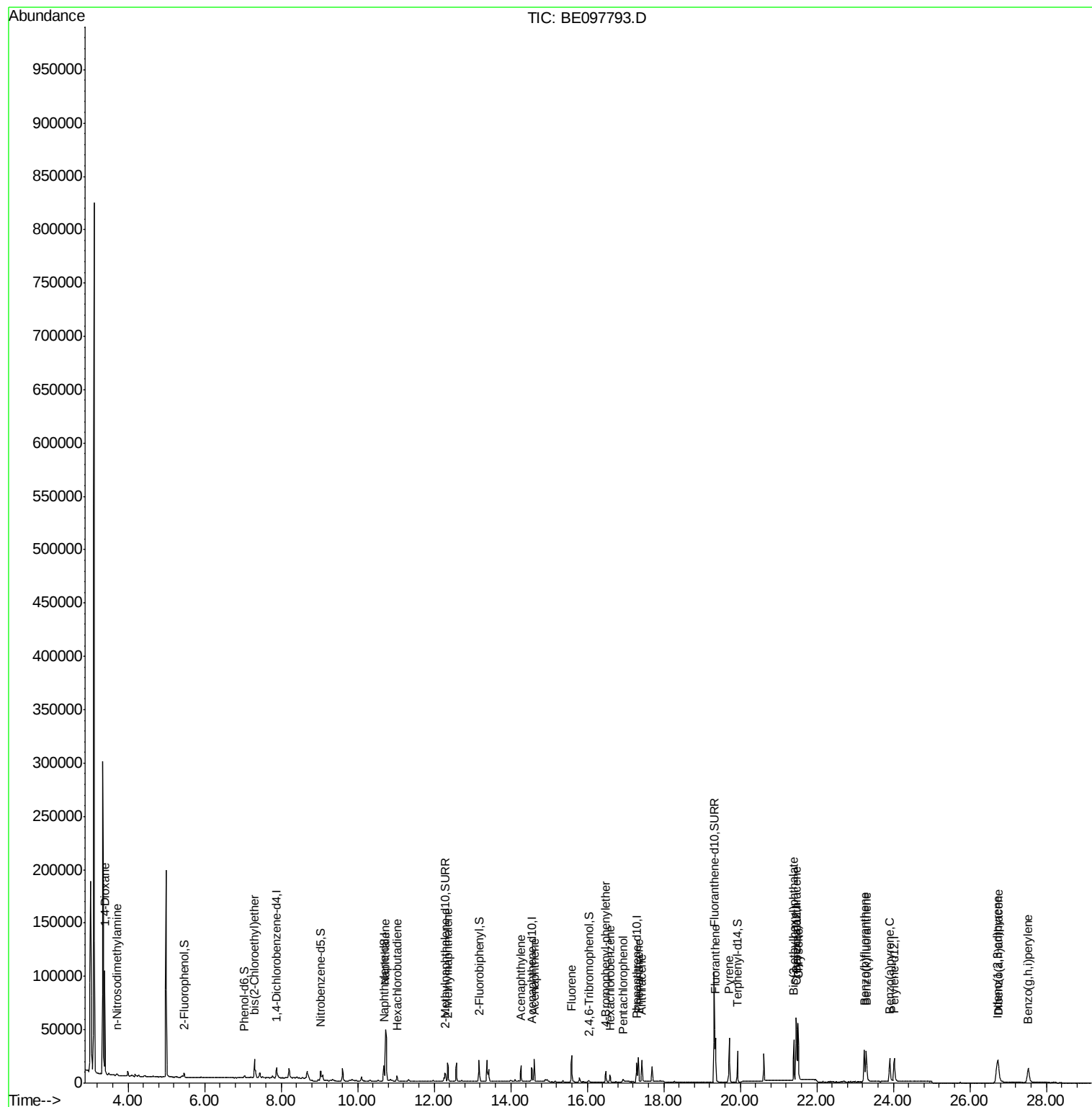
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	53689	6.275	ng	96
3) n-Nitrosodimethylamine	3.70	42	1117	0.144	ng	# 77
6) bis(2-Chloroethyl)ether	7.31	93	6691	0.415	ng	98
9) Naphthalene	10.73	128	83790	0.484	ng	100
10) Hexachlorobutadiene	11.03	225	3519	0.383	ng	99
12) 2-Methylnaphthalene	12.35	142	13559	0.489	ng	95
16) Acenaphthylene	14.27	152	17151	0.435	ng	99
17) Acenaphthene	14.61	154	11033	0.436	ng	97
18) Fluorene	15.59	166	15109	0.450	ng	98
20) 4-Bromophenyl-phenylether	16.49	248	5158	0.425	ng	97
21) Hexachlorobenzene	16.59	284	5130	0.376	ng	98
22) Pentachlorophenol	16.94	266	1456	0.680	ng	90
23) Phenanthrene	17.34	178	27098	0.455	ng	100
24) Anthracene	17.42	178	23115	0.449	ng	100
26) Fluoranthene	19.35	202	36017	0.474	ng	100
28) Pyrene	19.71	202	37972	0.424	ng	99
30) Benzo(a)anthracene	21.46	228	45728	0.483	ng	99
31) Chrysene	21.51	228	48939	0.462	ng	99
32) Bis(2-ethylhexyl)phthalate	21.40	149	39280	0.567	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	41933	0.456	ng	98
35) Benzo(b)fluoranthene	23.24	252	44013	0.468	ng	98
36) Benzo(k)fluoranthene	23.30	252	48430	0.465	ng	99
37) Benzo(a)pyrene	23.91	252	39112	0.459	ng	99
38) Dibenzo(a,h)anthracene	26.74	278	36203	0.432	ng	98
39) Benzo(g,h,i)perylene	27.53	276	38058	0.434	ng	100

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

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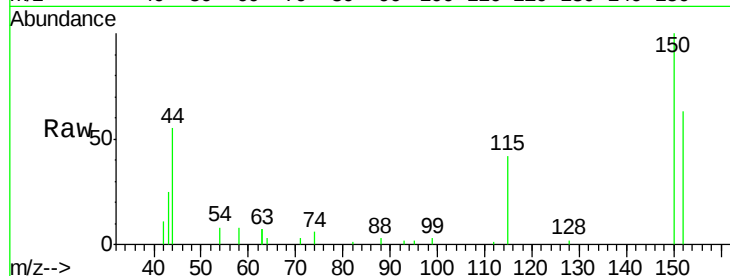


#1

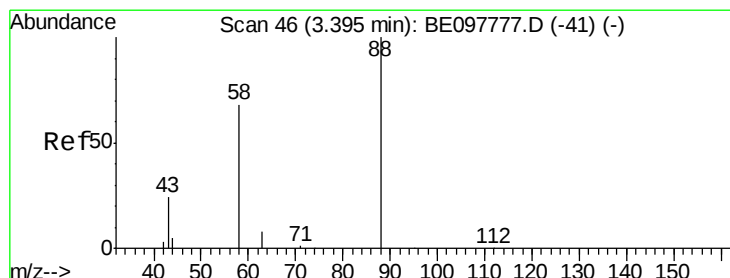
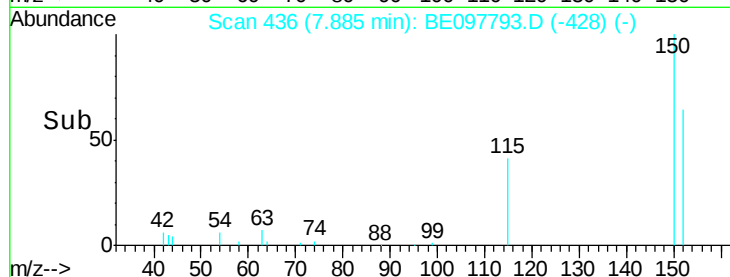
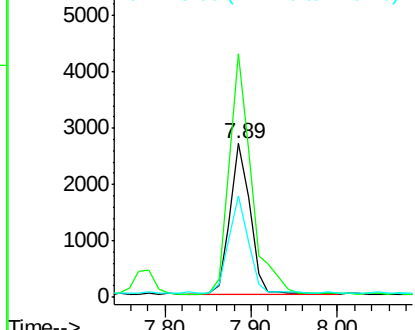
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

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

Tgt Ion:152 Resp: 4294
Ion Ratio Lower Upper
152 100
150 158.3 120.9 181.3
115 66.2 46.6 69.8



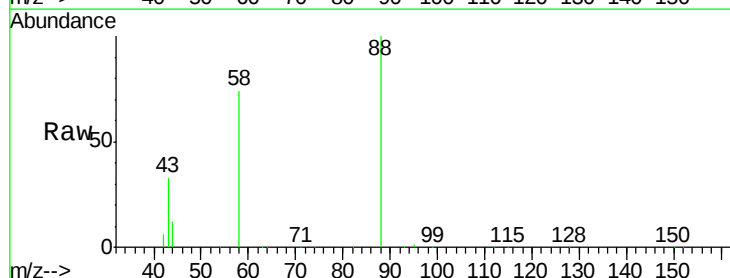
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



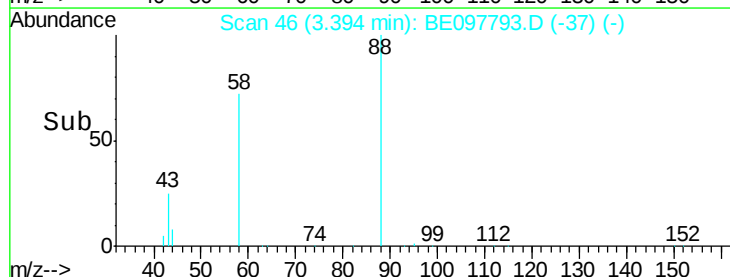
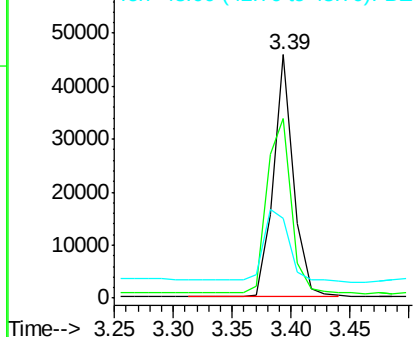
#2

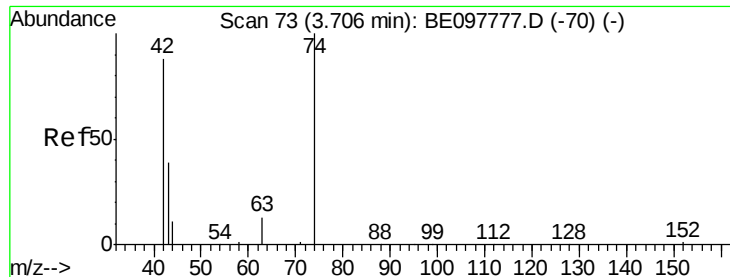
1,4-Dioxane
Concen: 6.275 ng
RT: 3.39 min Scan# 46
Delta R.T. -0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion: 88 Resp: 53689
Ion Ratio Lower Upper
88 100
58 86.6 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: 0.144 ng

RT: 3.70 min Scan# 73

Delta R.T. -0.00 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

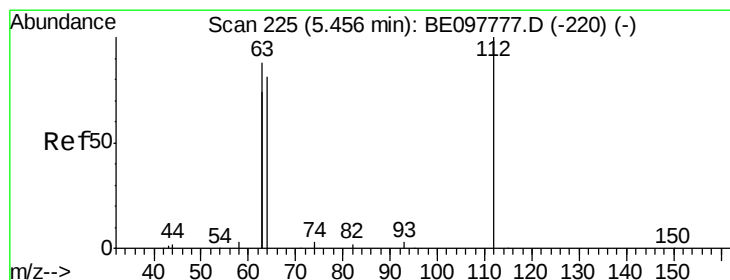
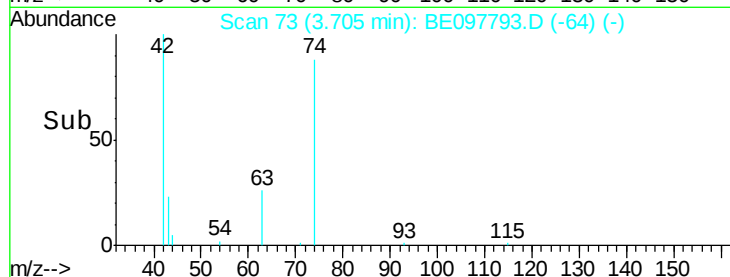
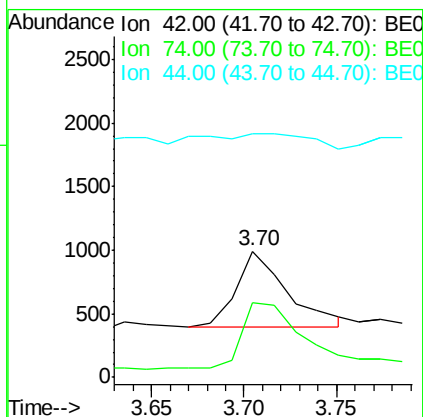
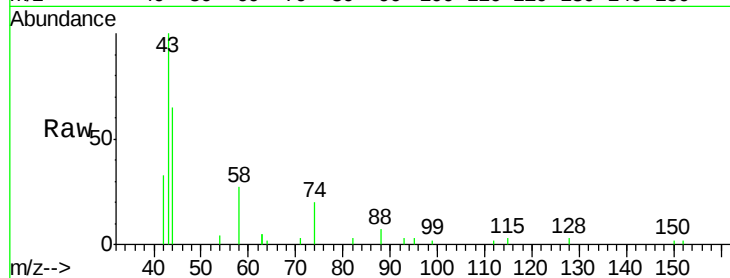
BNA_E

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RE-125D2-2018001MSD

Tgt Ion: 42 Resp: 1117

Ion	Ratio	Lower	Upper
42	100		
74	104.2	70.7	106.1
44	41.7	15.0	22.4



#4

2-Fluorophenol

Concen: 0.210 ng

RT: 5.47 min Scan# 226

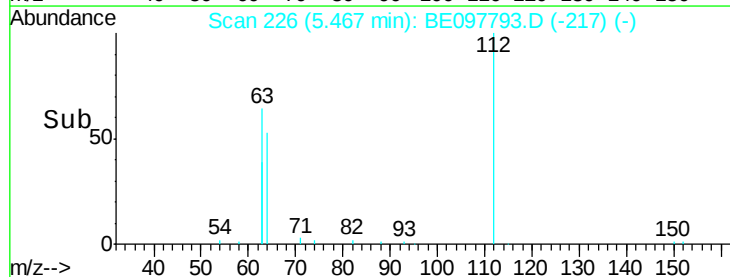
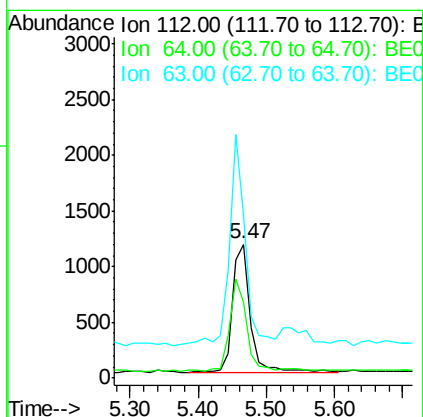
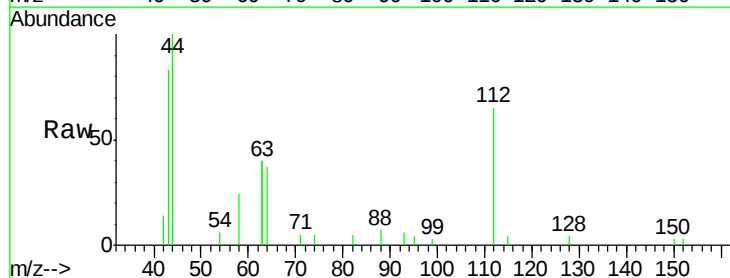
Delta R.T. -0.00 min

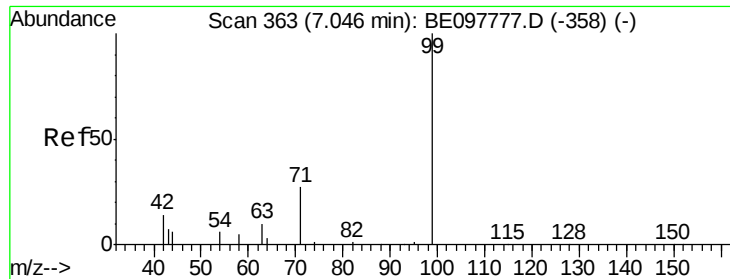
Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Tgt Ion: 112 Resp: 2133

Ion	Ratio	Lower	Upper
112	100		
64	65.9	56.6	84.8
63	136.8	119.4	179.0





#5

Phenol-d6

Concen: 0.113 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

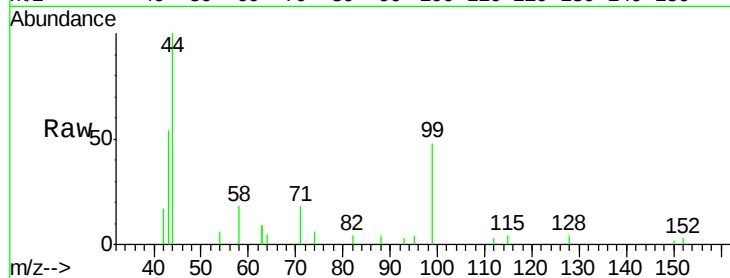
Tgt Ion: 99 Resp: 1762

Ion Ratio Lower Upper

99 100

42 33.1 19.9 29.9#

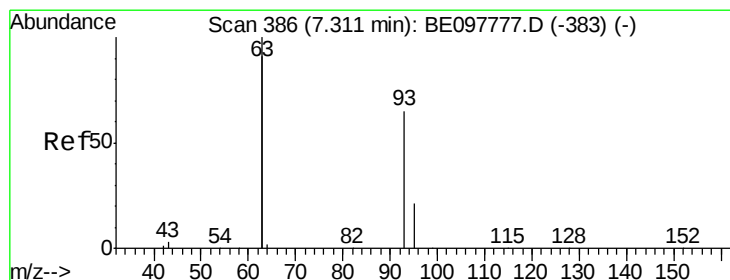
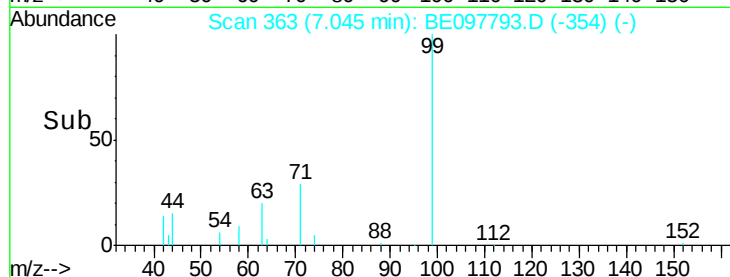
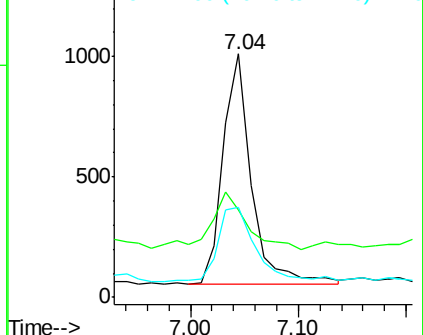
71 44.3 25.4 38.2#



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: 0.415 ng

RT: 7.31 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

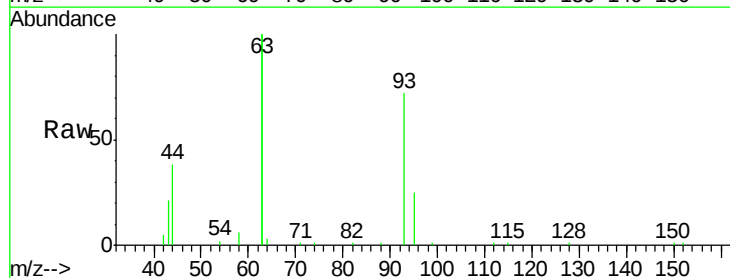
Tgt Ion: 93 Resp: 6691

Ion Ratio Lower Upper

93 100

63 338.2 266.9 400.3

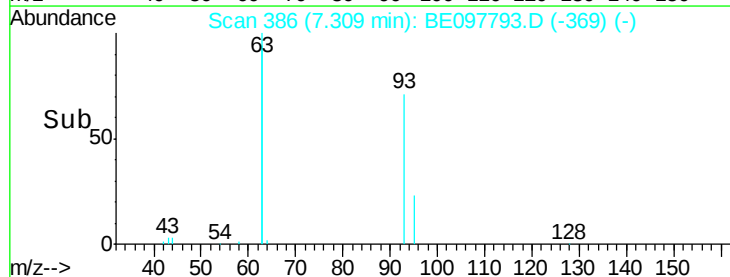
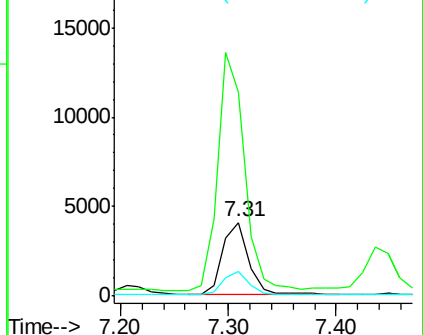
95 33.3 26.2 39.2

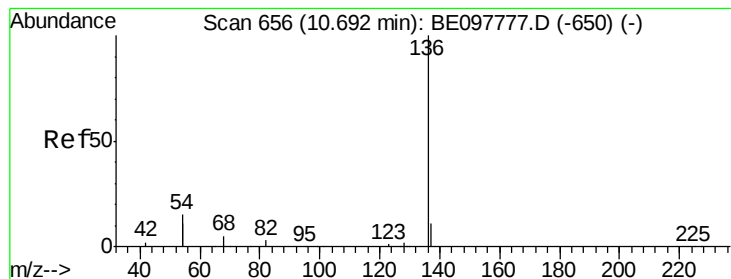


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

Tgt Ion:136 Resp: 17184

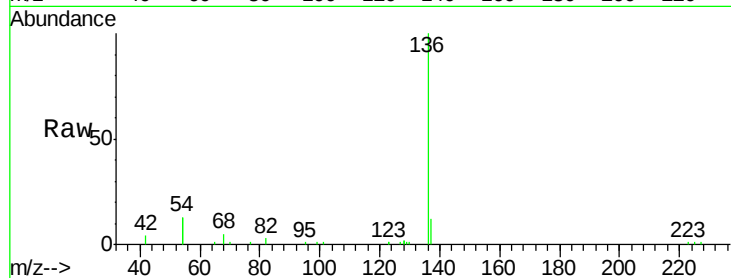
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.4

54 26.7 37.8 56.6#

68 5.2 6.4 9.6#

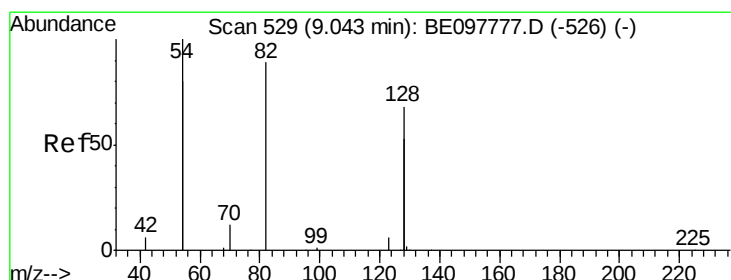
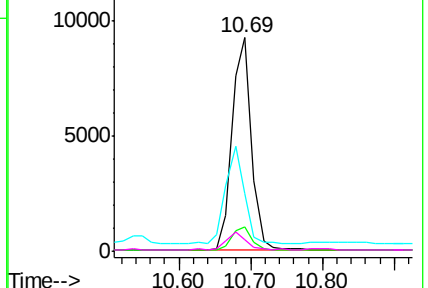
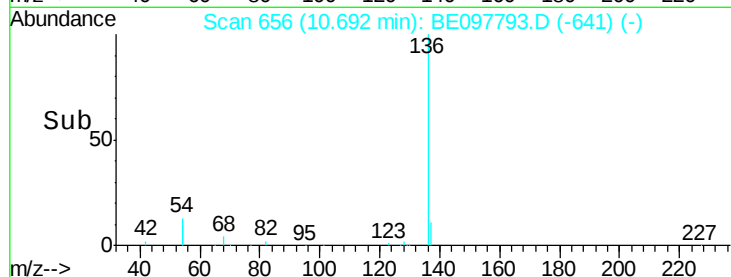


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.739 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

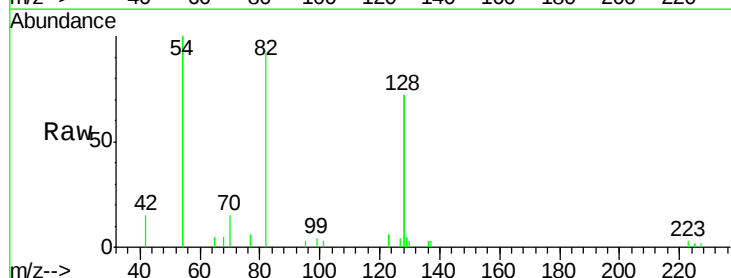
Tgt Ion: 82 Resp: 4122

Ion Ratio Lower Upper

82 100

128 155.6 97.0 145.4#

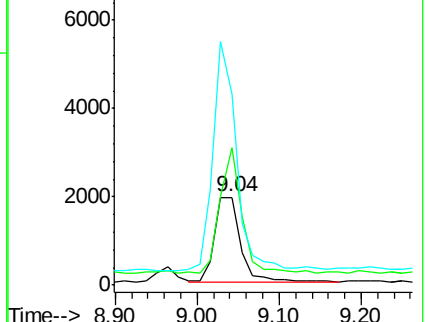
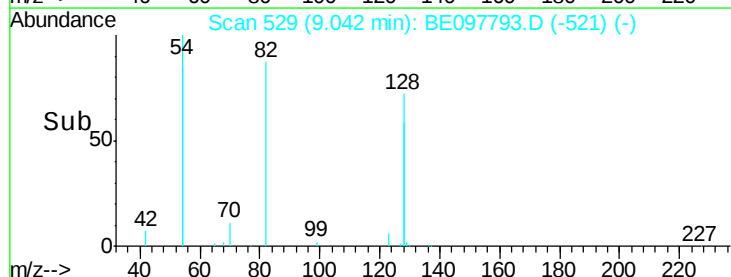
54 217.6 206.9 310.3

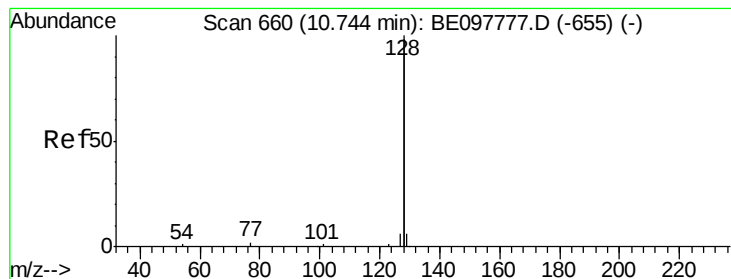


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.484 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

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ClientSampleId :

RE-125D2-2018001MSD

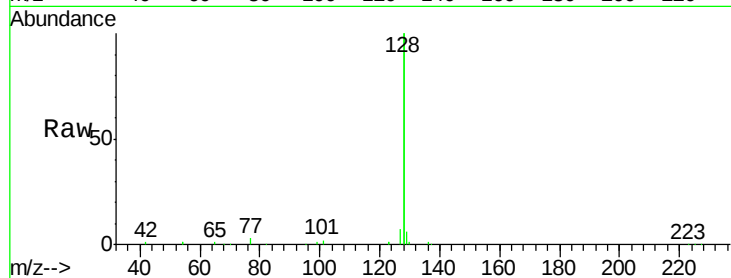
Tgt Ion:128 Resp: 83790

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.2

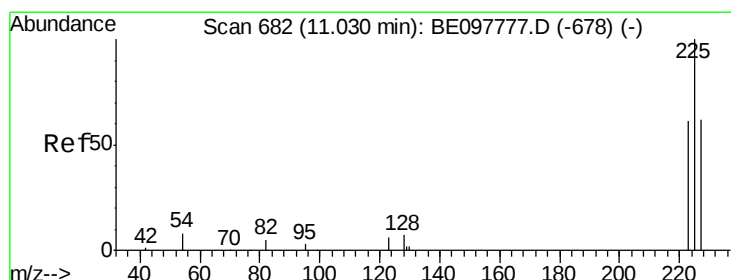
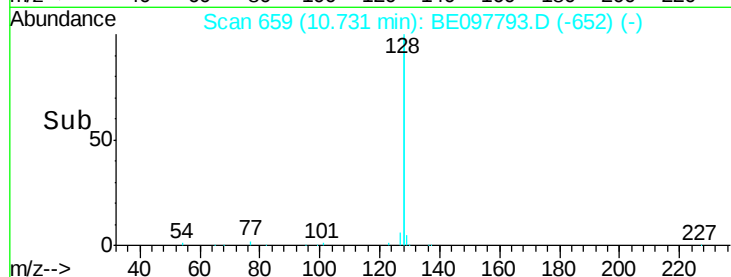
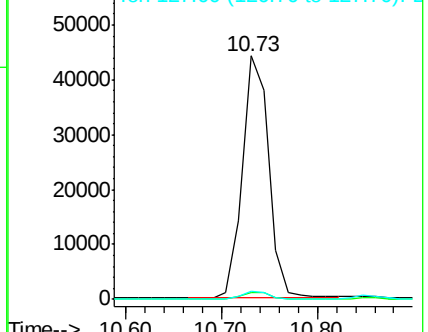
127 3.4 2.7 4.1



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: 0.383 ng

RT: 11.03 min Scan# 682

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

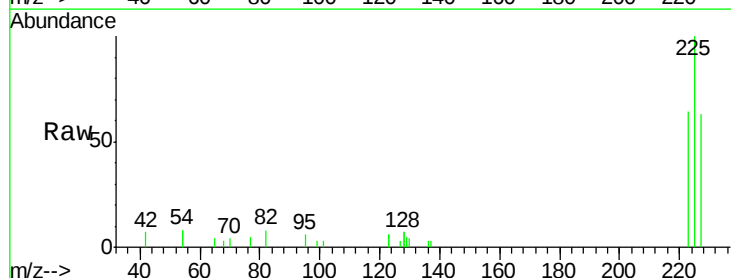
Tgt Ion:225 Resp: 3519

Ion Ratio Lower Upper

225 100

223 63.8 52.2 78.4

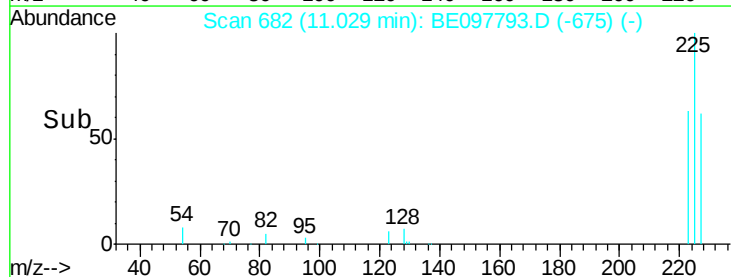
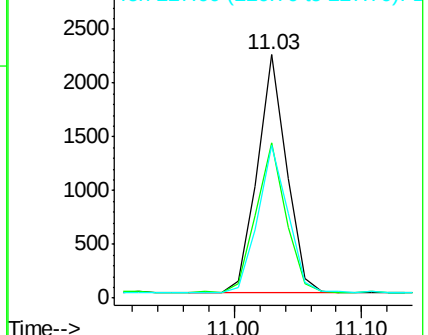
227 63.6 51.2 76.8

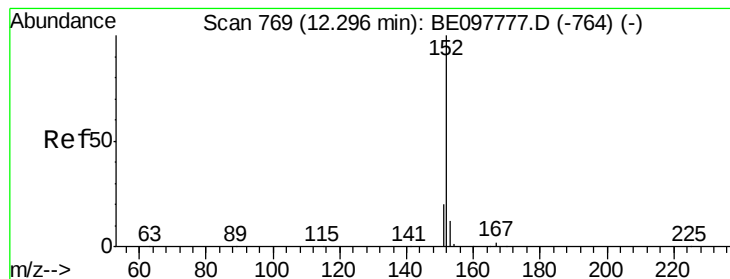


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.498 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

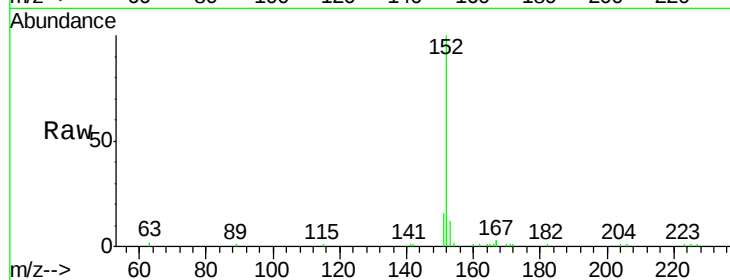
RE-125D2-2018001MSD

Tgt Ion:152 Resp: 13624

Ion Ratio Lower Upper

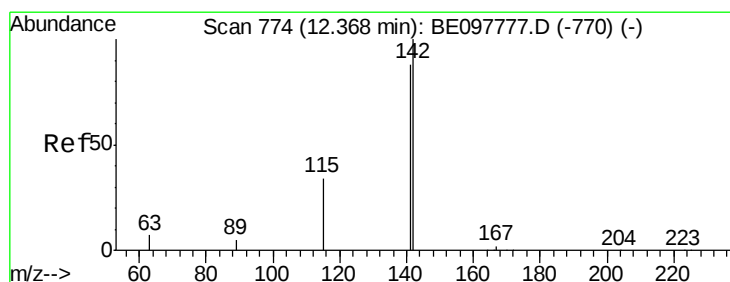
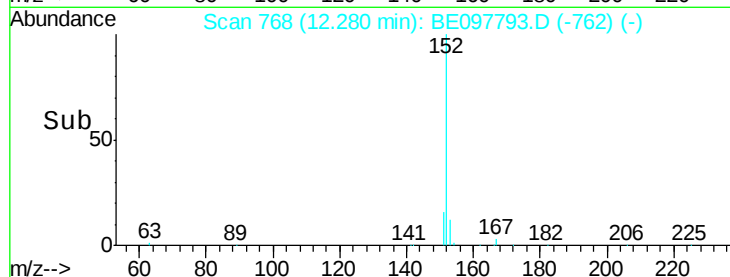
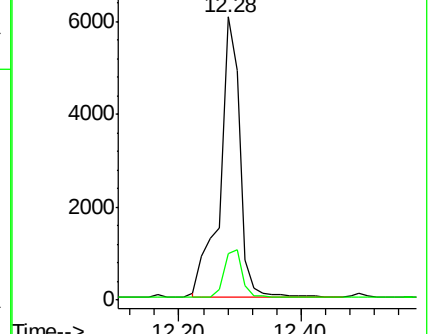
152 100

151 16.0 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.489 ng

RT: 12.35 min Scan# 773

Delta R.T. -0.02 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

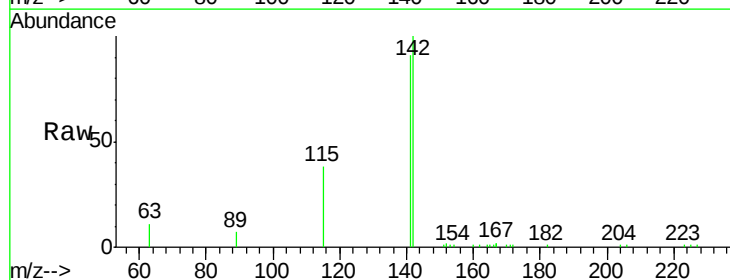
Tgt Ion:142 Resp: 13559

Ion Ratio Lower Upper

142 100

141 90.9 69.4 104.2

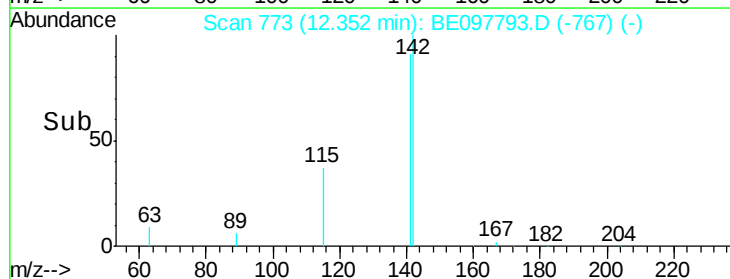
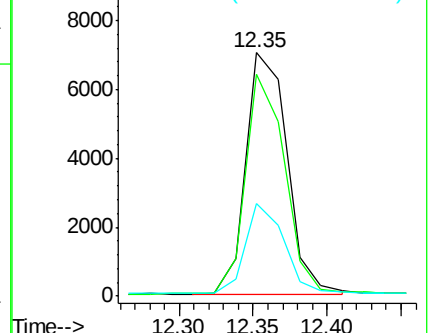
115 37.8 28.0 42.0

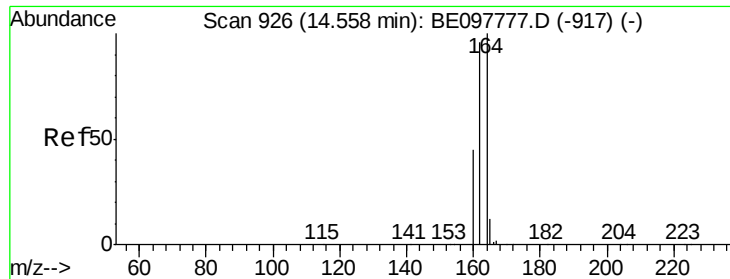


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.02 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

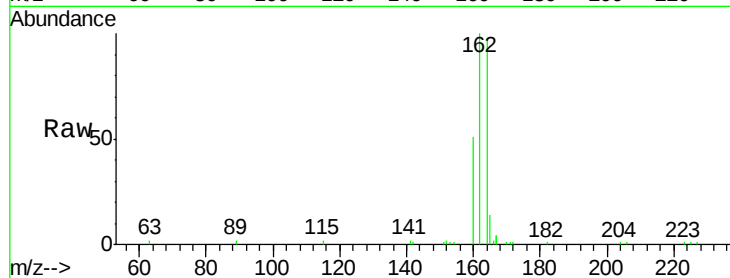
Tgt Ion:164 Resp: 8912

Ion Ratio Lower Upper

164 100

162 102.6 78.6 117.8

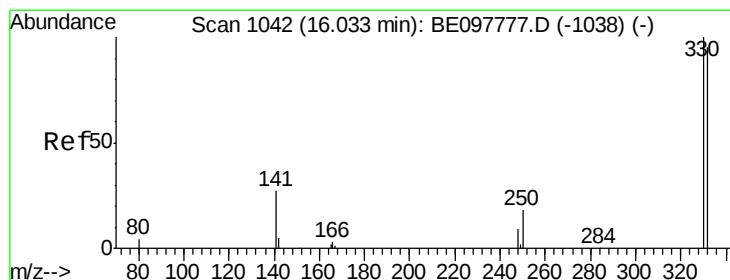
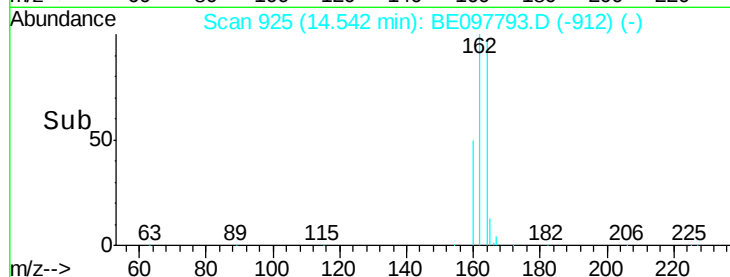
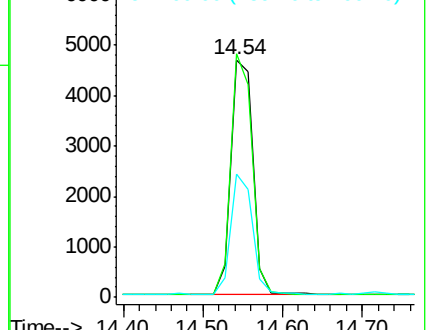
160 52.0 37.8 56.6



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: 0.475 ng

RT: 16.03 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

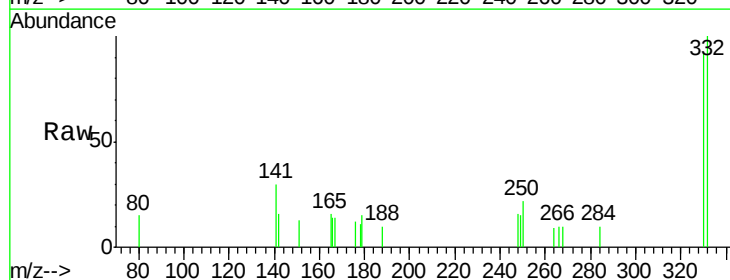
Tgt Ion:330 Resp: 767

Ion Ratio Lower Upper

330 100

332 94.0 83.5 125.3

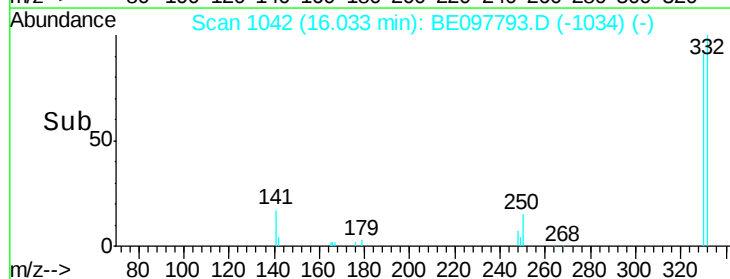
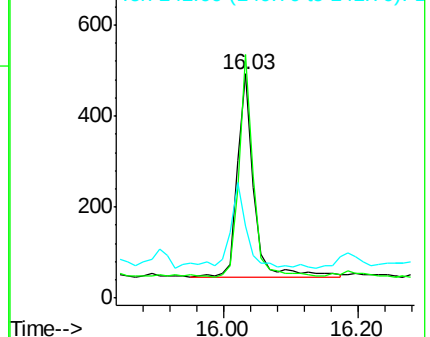
141 41.3 34.9 52.3

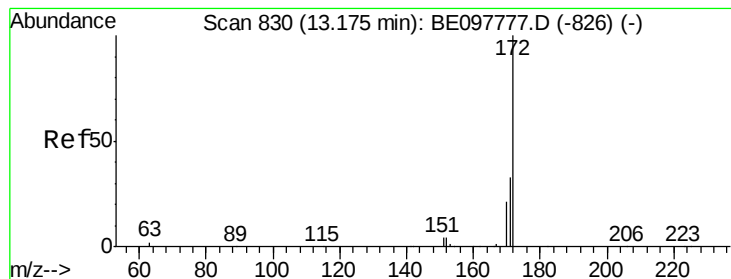


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.467 ng

RT: 13.17 min Scan# 830

Delta R.T. -0.02 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

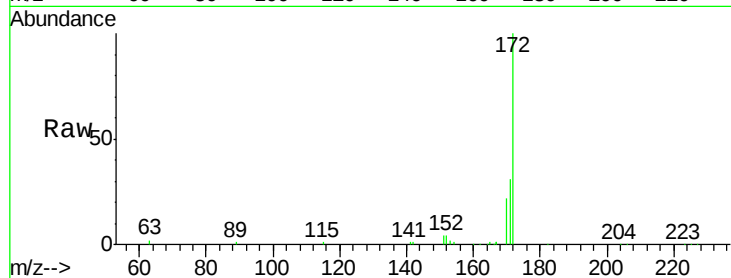
Tgt Ion:172 Resp: 18312

Ion Ratio Lower Upper

172 100

171 30.8 25.2 37.8

170 22.0 16.2 24.2

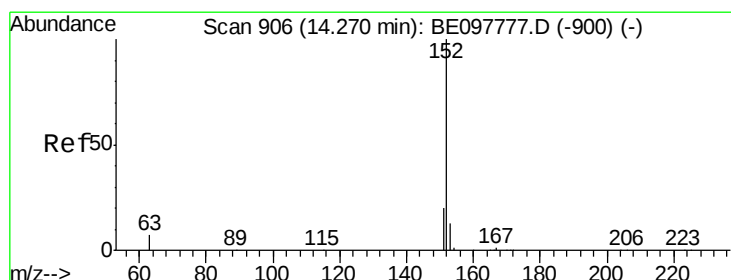
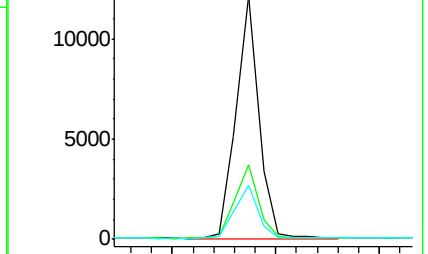
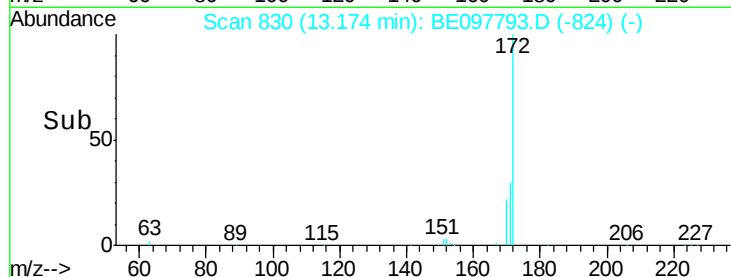


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

13.17



#16

Acenaphthylene

Concen: 0.435 ng

RT: 14.27 min Scan# 906

Delta R.T. -0.00 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

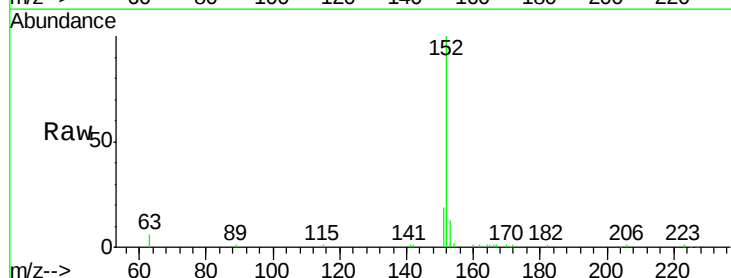
Tgt Ion:152 Resp: 17151

Ion Ratio Lower Upper

152 100

151 19.7 15.3 22.9

153 12.9 10.8 16.2

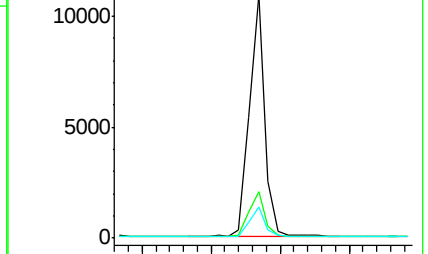
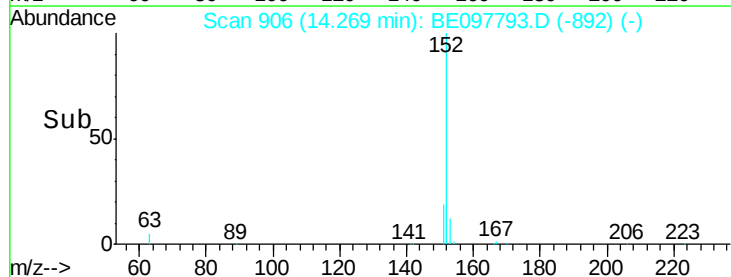


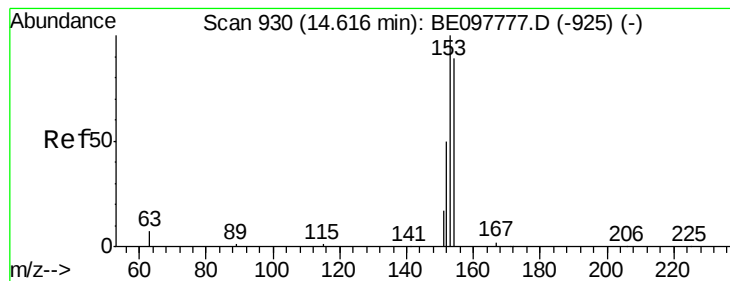
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.27





#17

Acenaphthene

Concen: 0.436 ng

RT: 14.61 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

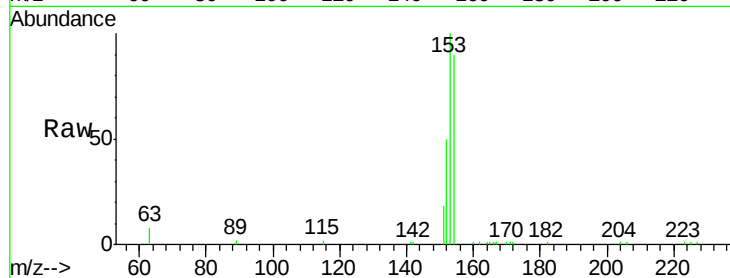
Tgt Ion:154 Resp: 11033

Ion Ratio Lower Upper

154 100

153 113.5 93.3 139.9

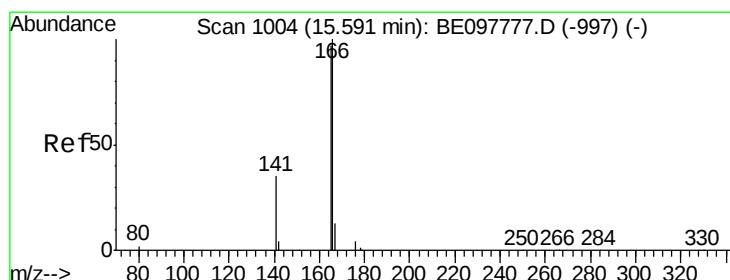
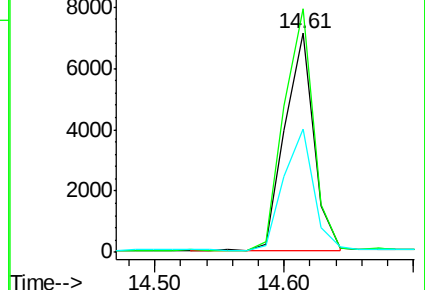
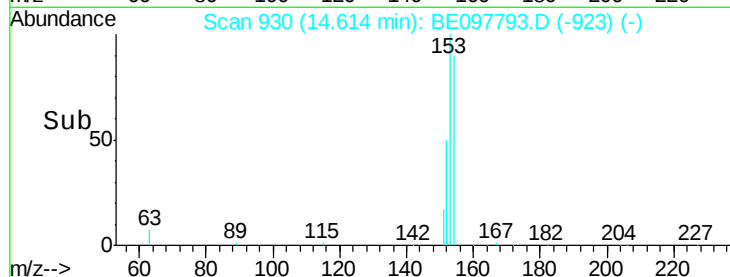
152 57.6 48.9 73.3



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: 0.450 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

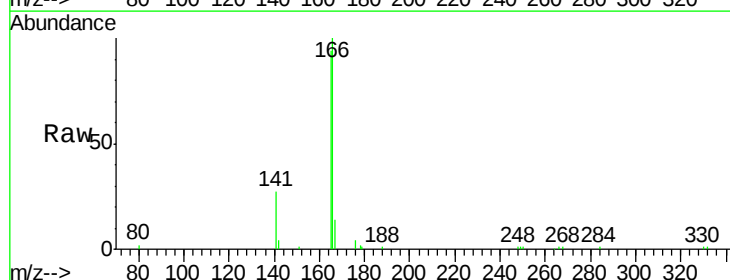
Tgt Ion:166 Resp: 15109

Ion Ratio Lower Upper

166 100

165 96.2 79.0 118.4

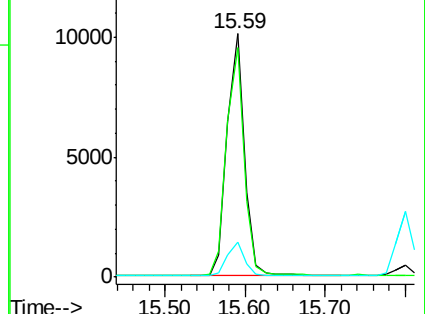
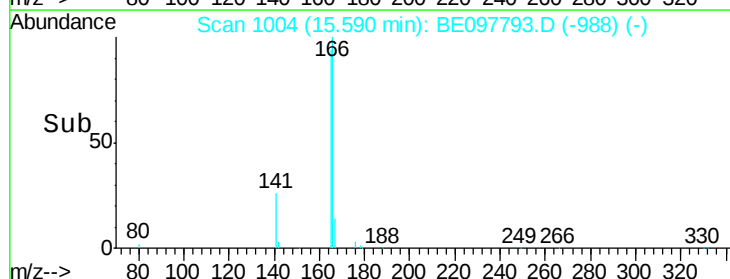
167 14.2 11.1 16.7

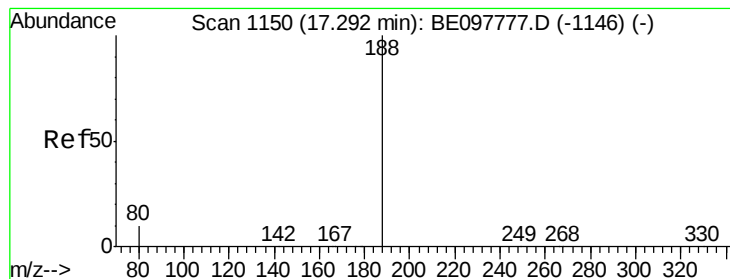


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

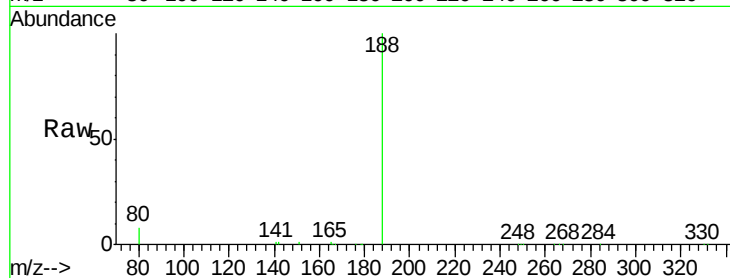
Tgt Ion:188 Resp: 23122

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.2 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

20000

15000

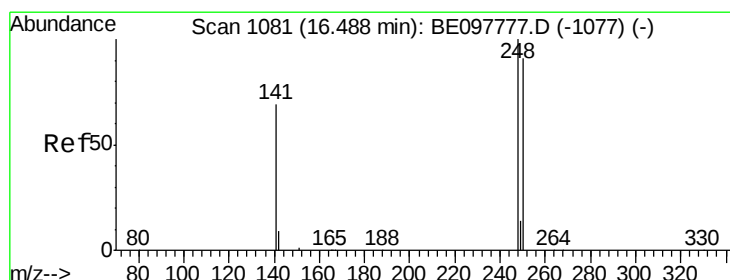
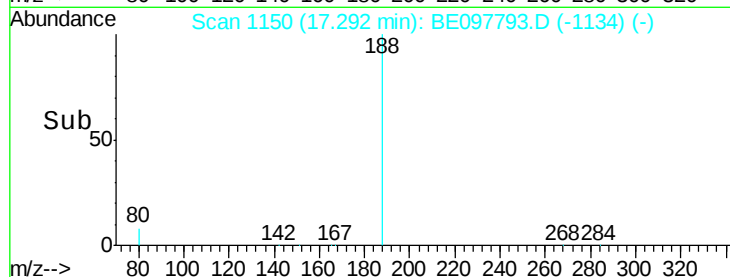
10000

5000

0

17.20 17.30 17.40

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.425 ng

RT: 16.49 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

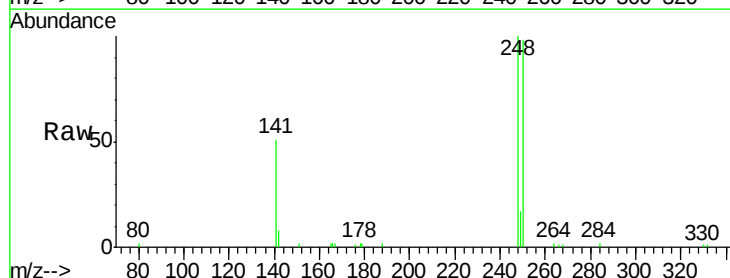
Tgt Ion:248 Resp: 5158

Ion Ratio Lower Upper

248 100

250 97.7 76.1 114.1

141 51.0 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

5000

4000

3000

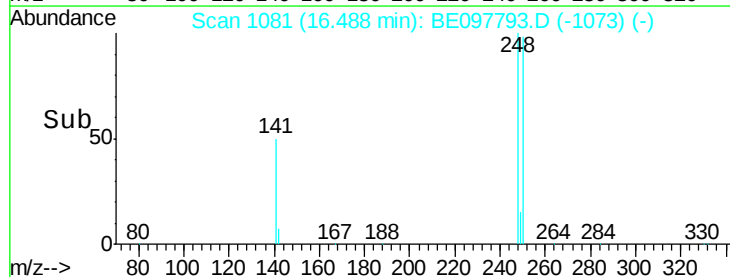
2000

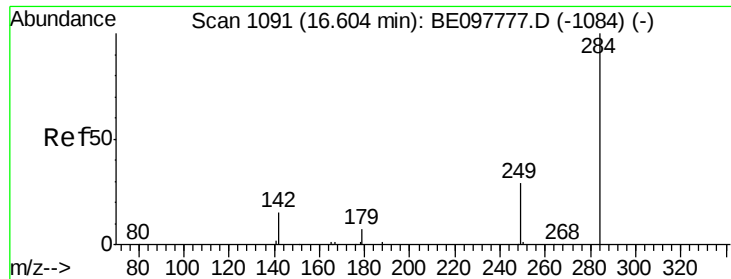
1000

0

16.40 16.50

Time-->





#21

Hexachlorobenzene

Concen: 0.376 ng

RT: 16.59 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

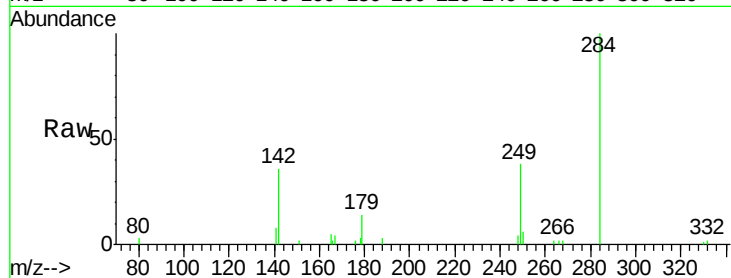
Tgt Ion:284 Resp: 5130

Ion Ratio Lower Upper

284 100

142 33.0 24.9 37.3

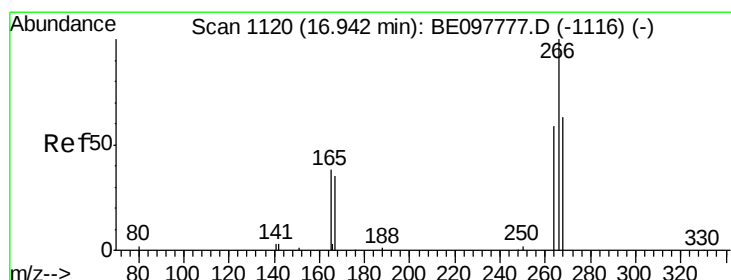
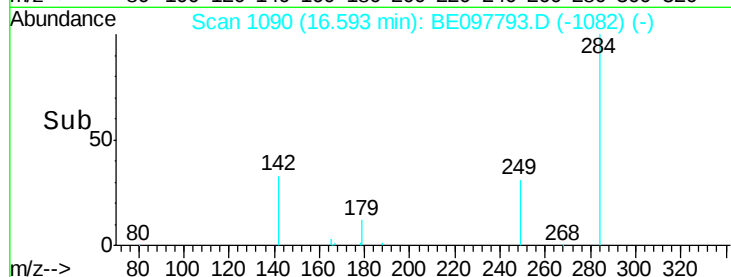
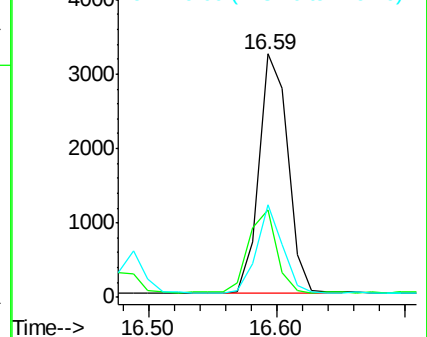
249 32.7 25.8 38.8



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: 0.680 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

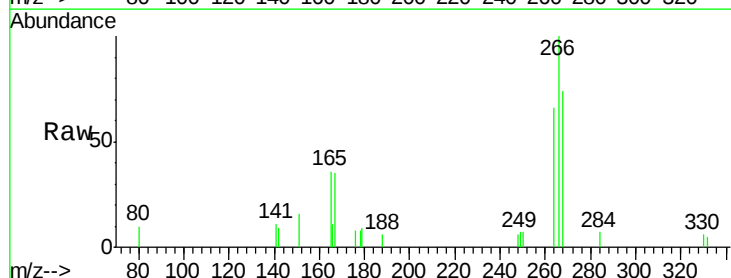
Tgt Ion:266 Resp: 1456

Ion Ratio Lower Upper

266 100

264 65.7 46.8 70.2

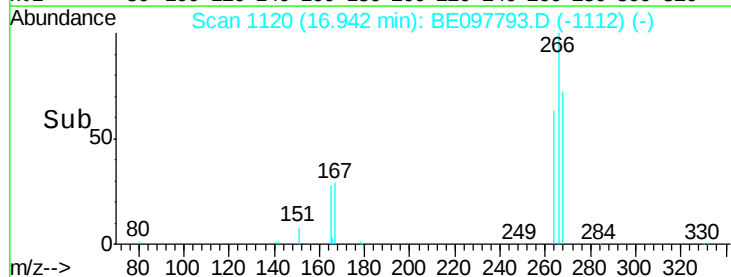
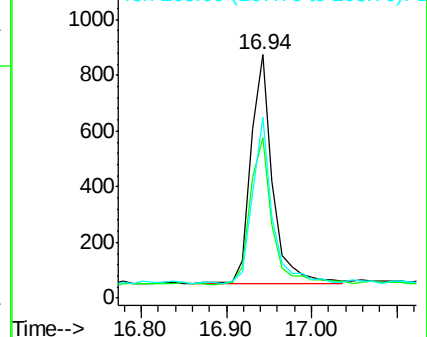
268 74.3 53.0 79.6

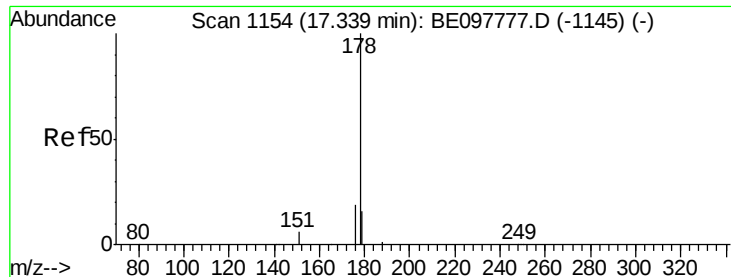


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.455 ng

RT: 17.34 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

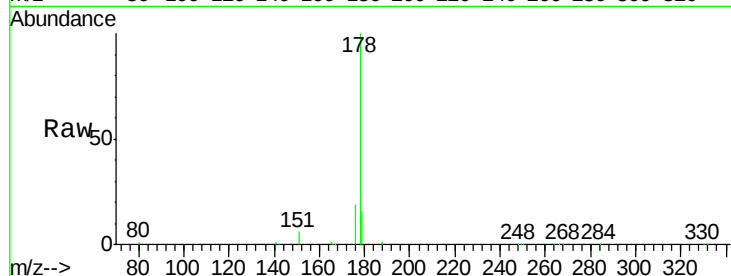
Tgt Ion:178 Resp: 27098

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

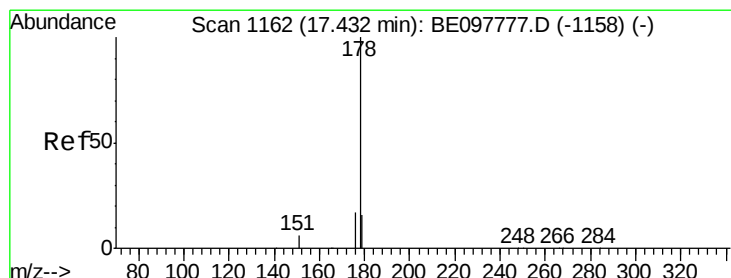
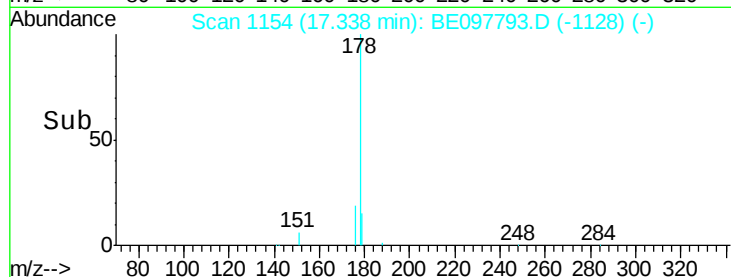
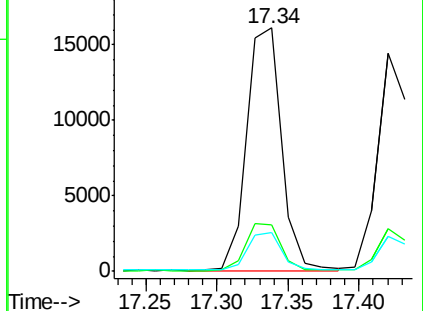
179 15.2 12.2 18.4



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: 0.449 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

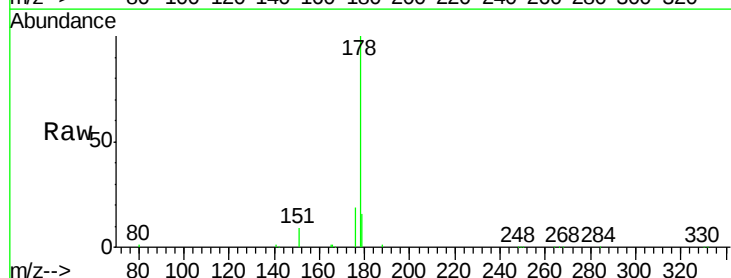
Tgt Ion:178 Resp: 23115

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

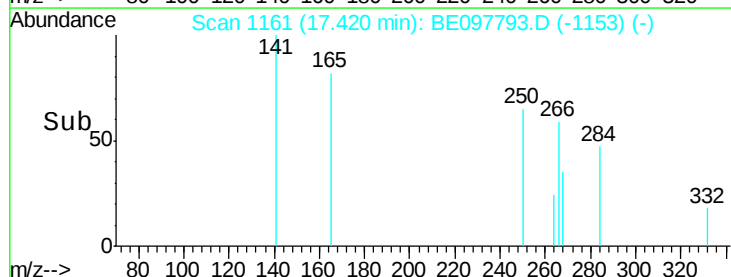
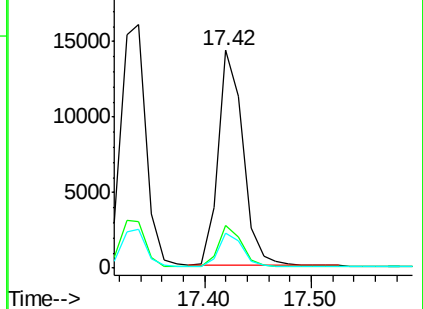
179 15.4 12.2 18.2

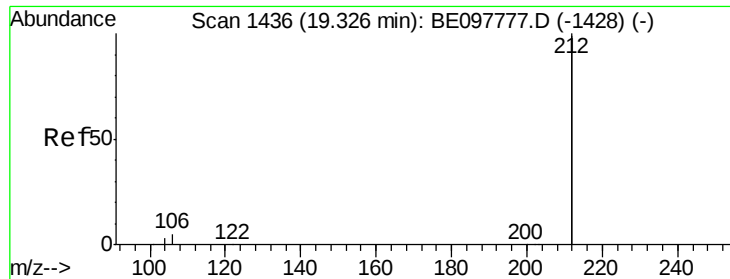


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.451 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

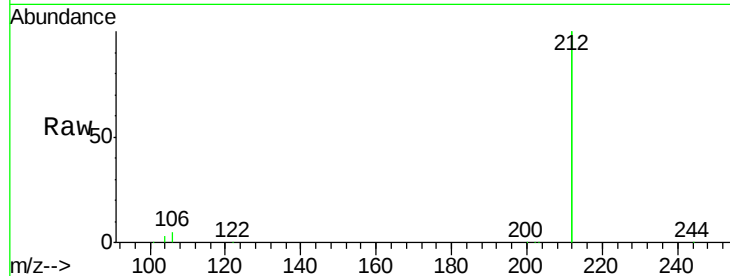
Tgt Ion: 212 Resp: 132031

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

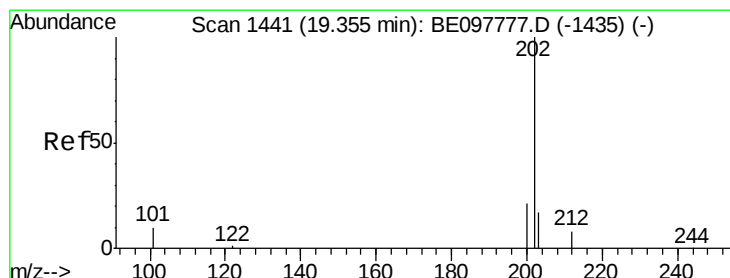
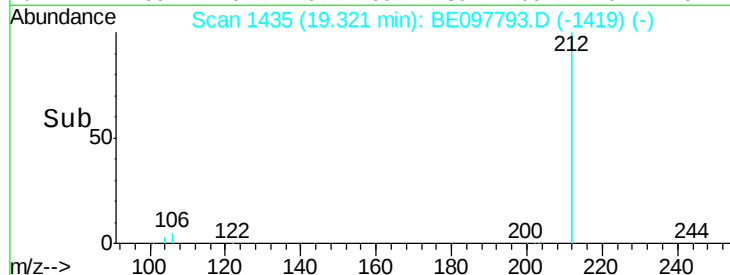
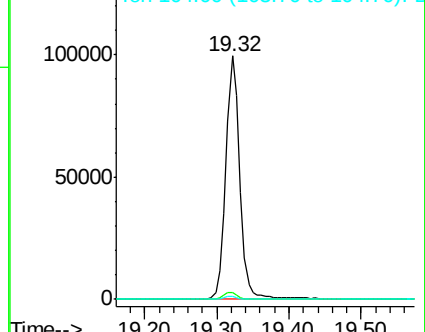
104 1.4 1.2 1.8



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: 0.474 ng

RT: 19.35 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

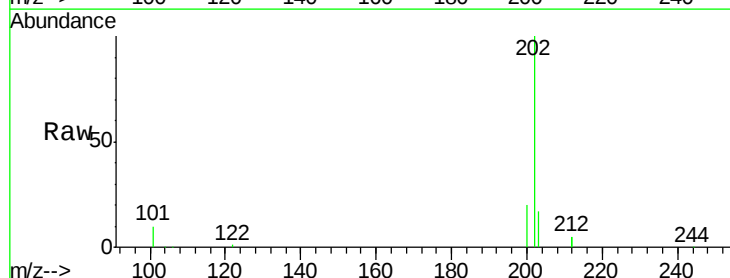
Tgt Ion: 202 Resp: 36017

Ion Ratio Lower Upper

202 100

101 9.9 7.8 11.8

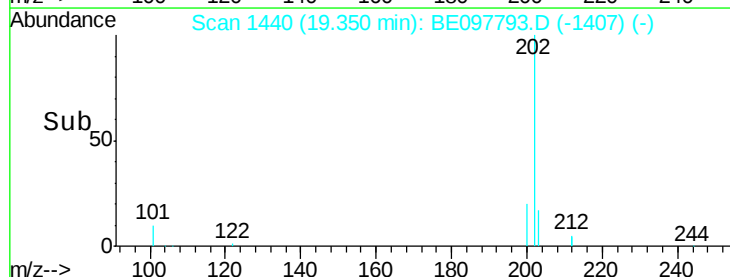
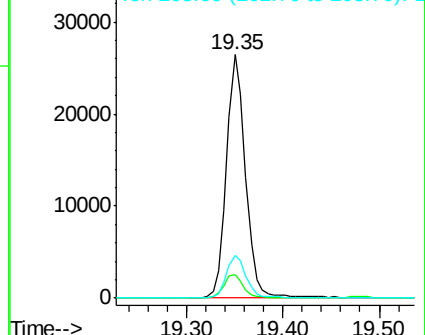
203 17.4 13.8 20.6

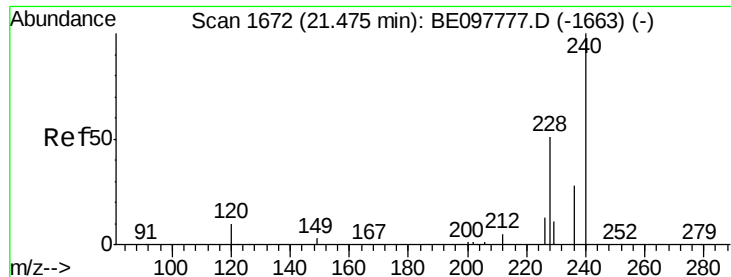


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

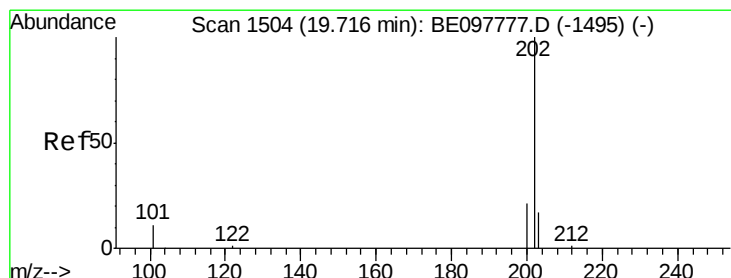
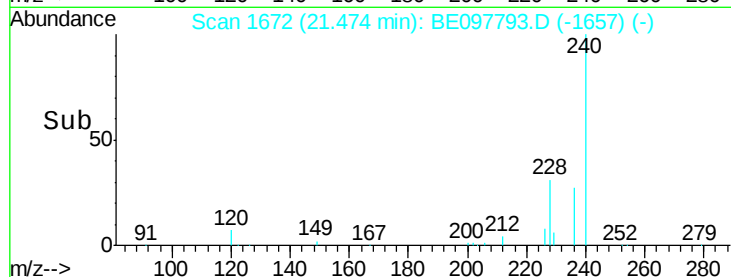
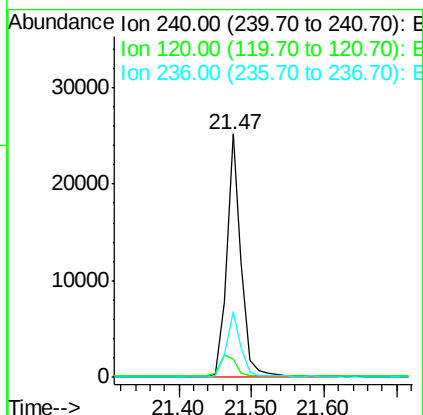
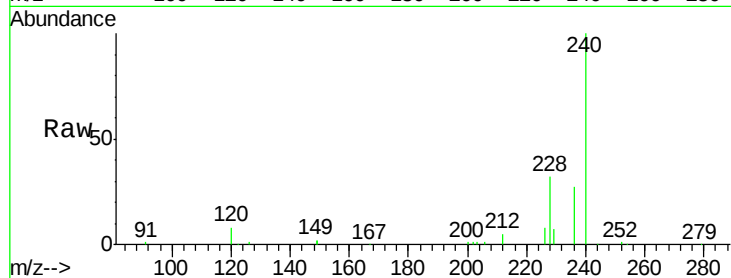




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.47 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

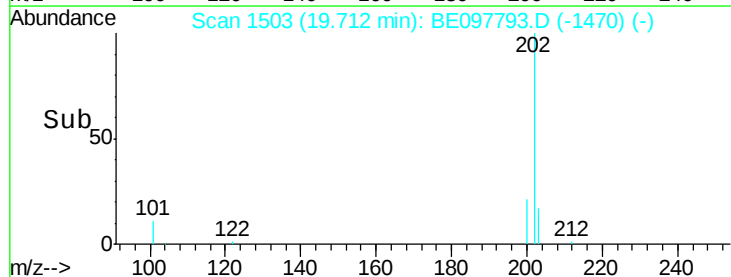
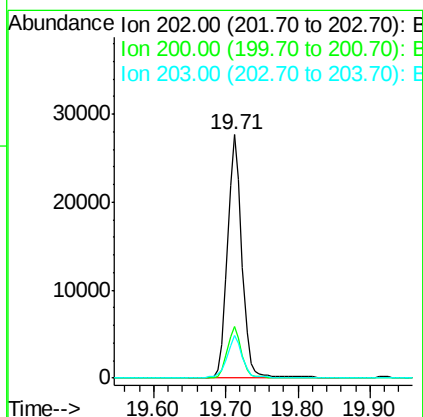
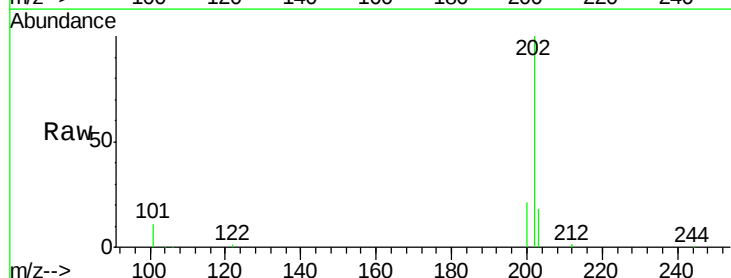
Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

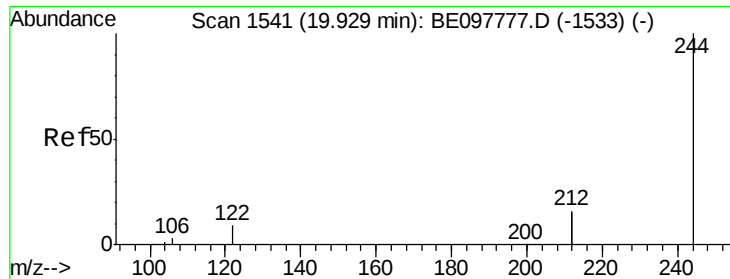
Tgt Ion:240 Resp: 35222
Ion Ratio Lower Upper
240 100
120 7.5 4.7 7.1#
236 26.9 20.8 31.2



#28
Pyrene
Concen: 0.424 ng
RT: 19.71 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:202 Resp: 37972
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 17.8 13.9 20.9





#29

Terphenyl-d14

Concen: 0.364 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

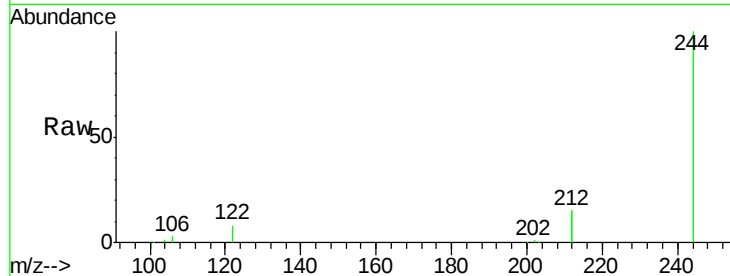
Tgt Ion:244 Resp: 26202

Ion Ratio Lower Upper

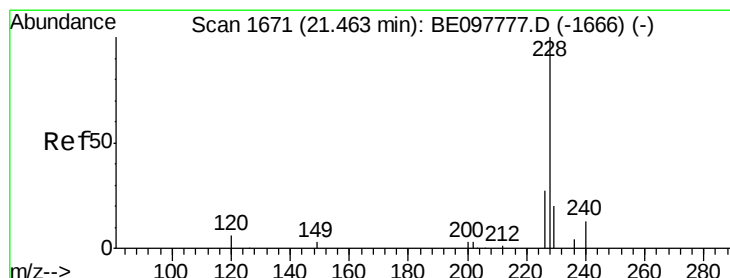
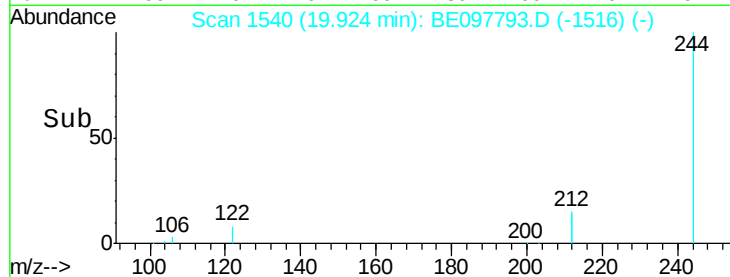
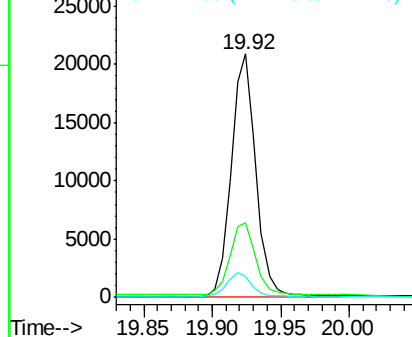
244 100

212 30.5 25.8 38.8

122 8.4 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: 0.483 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

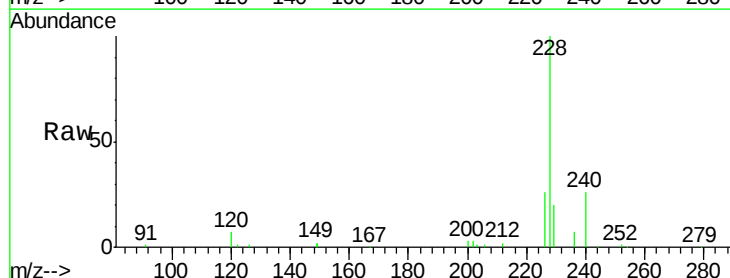
Tgt Ion:228 Resp: 45728

Ion Ratio Lower Upper

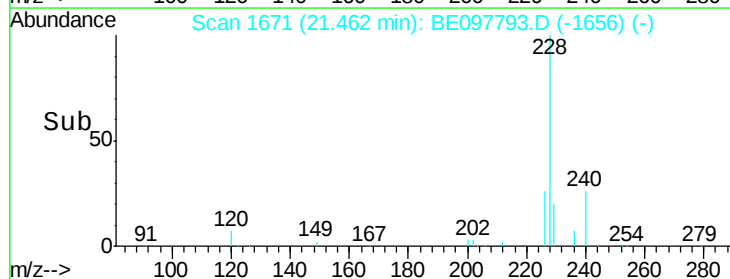
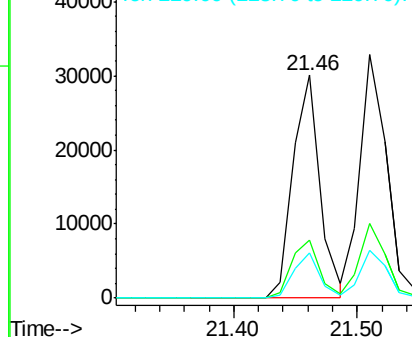
228 100

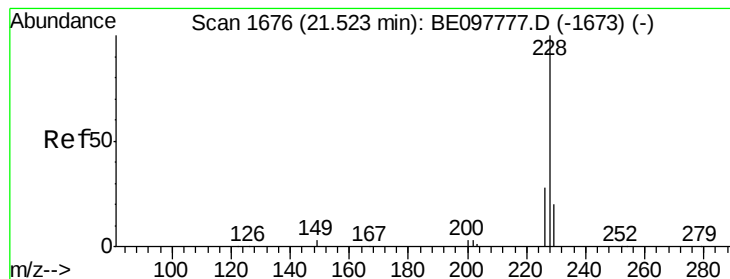
226 26.1 20.7 31.1

229 20.3 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

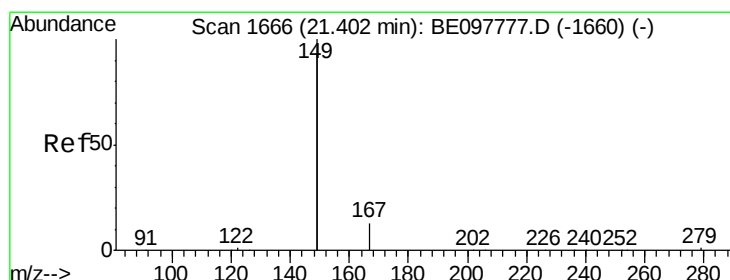
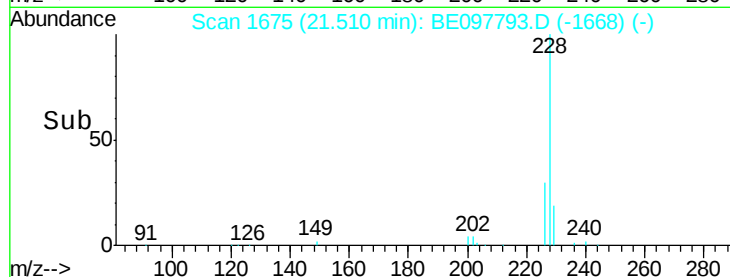
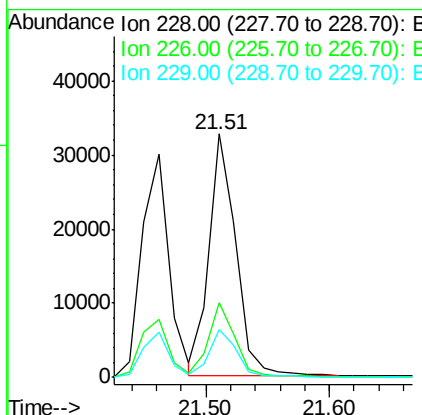
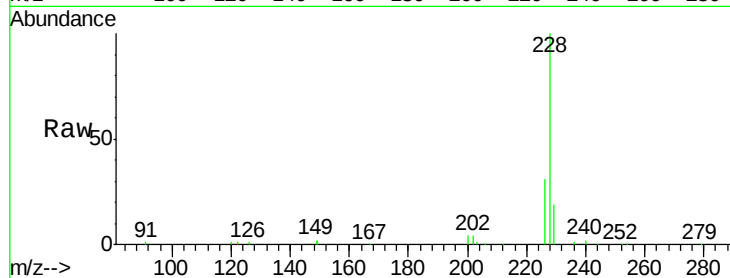




#31
Chrysene
Concen: 0.462 ng
RT: 21.51 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

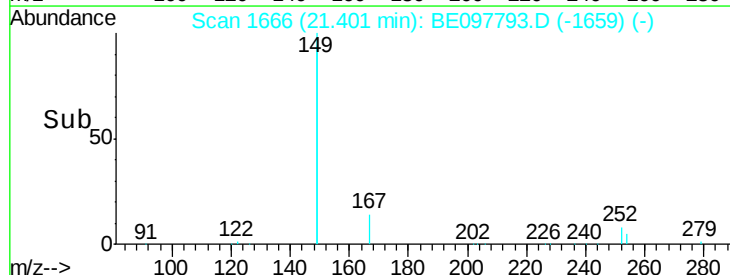
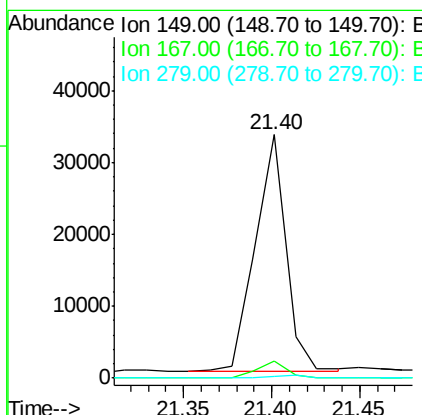
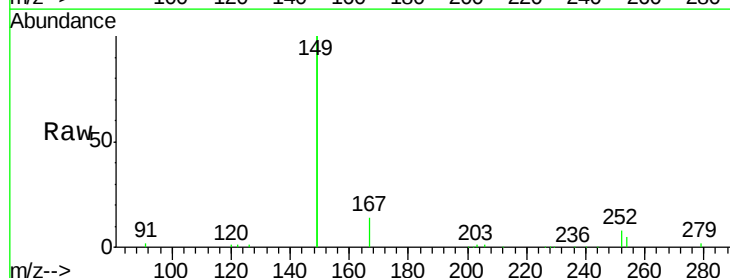
Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

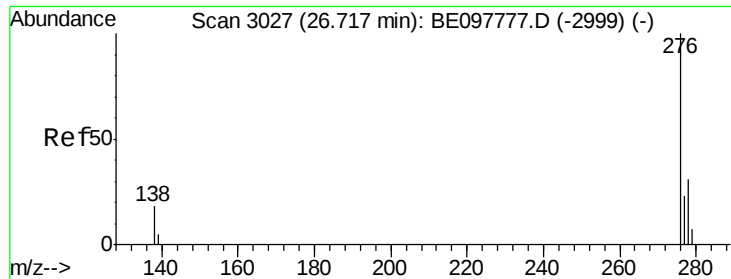
Tgt Ion: 228 Resp: 48939
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 19.5 16.0 24.0



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.567 ng
RT: 21.40 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion: 149 Resp: 39280
Ion Ratio Lower Upper
149 100
167 7.0 5.5 8.3
279 1.0 0.9 1.3





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.456 ng

RT: 26.70 min Scan# 3023

Delta R.T. -0.04 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

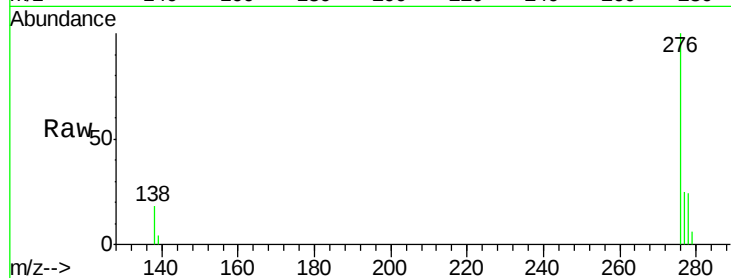
Tgt Ion:276 Resp: 41933

Ion Ratio Lower Upper

276 100

138 20.3 15.0 22.6

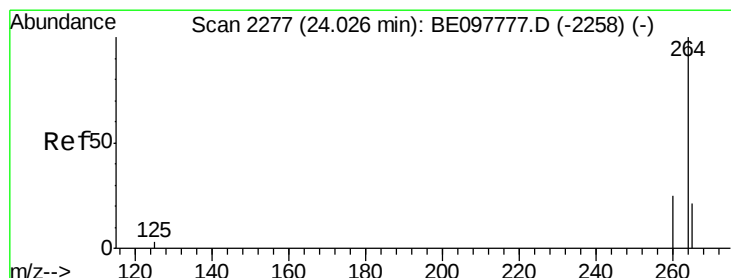
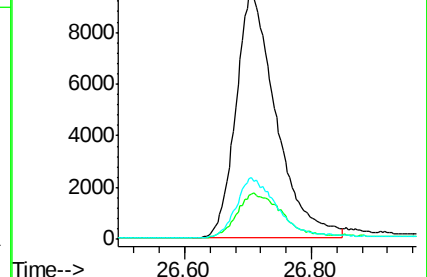
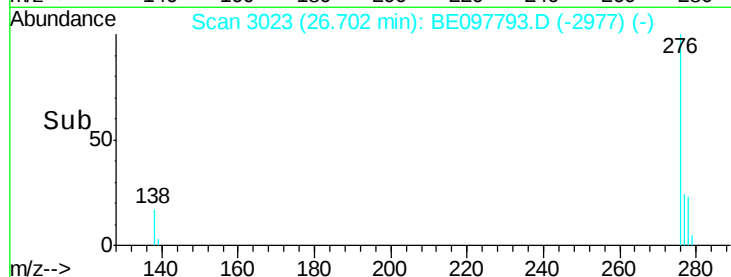
277 24.6 19.2 28.8



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: 24.02 min Scan# 2276

Delta R.T. -0.02 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

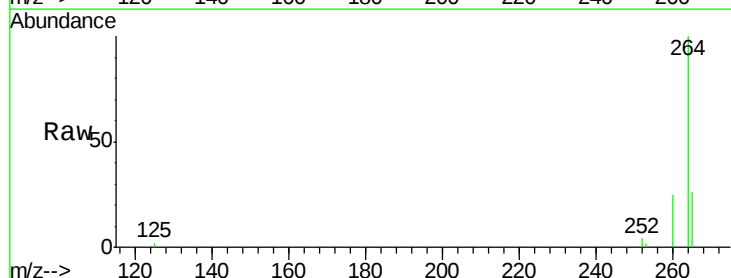
Tgt Ion:264 Resp: 34263

Ion Ratio Lower Upper

264 100

260 25.4 19.1 28.7

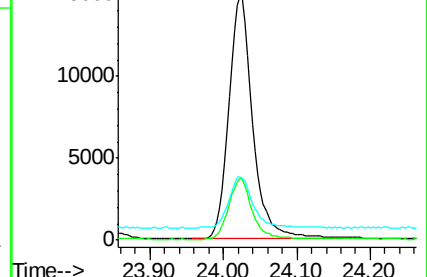
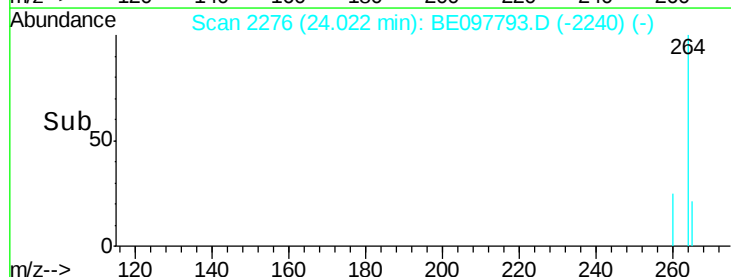
265 26.1 21.9 32.9

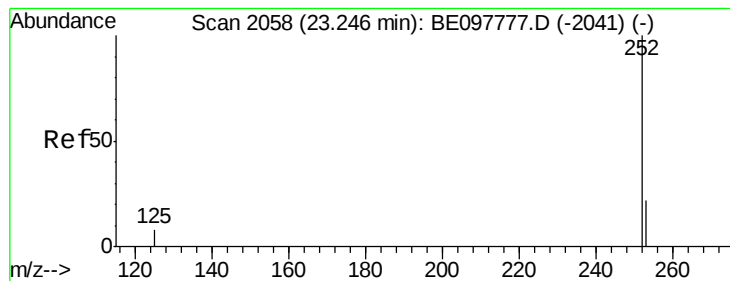


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.468 ng

RT: 23.24 min Scan# 2056

Delta R.T. -0.02 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

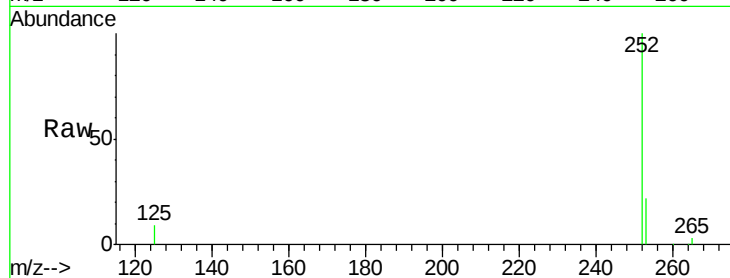
Tgt Ion:252 Resp: 44013

Ion Ratio Lower Upper

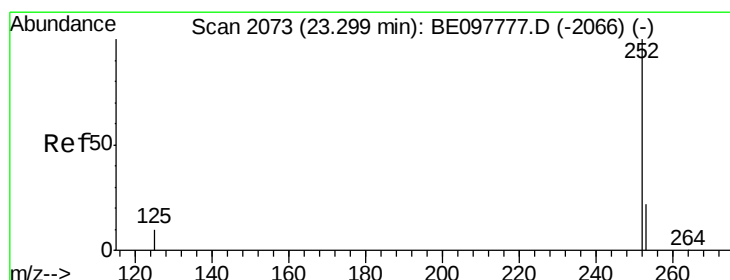
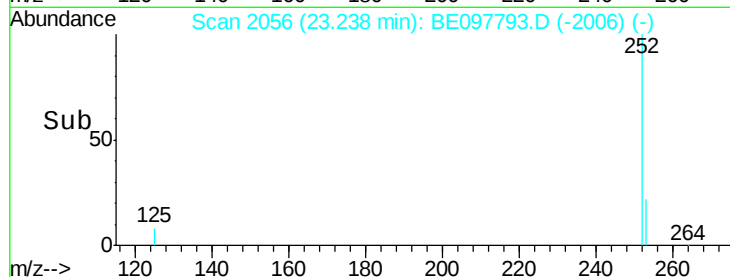
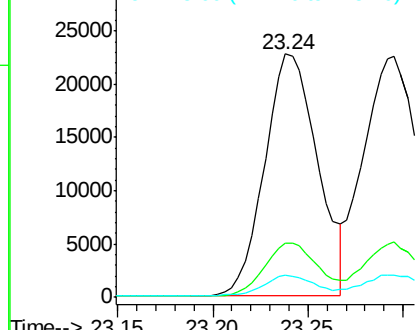
252 100

253 22.4 17.5 26.3

125 8.9 7.8 11.8



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: 0.465 ng

RT: 23.30 min Scan# 2072

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

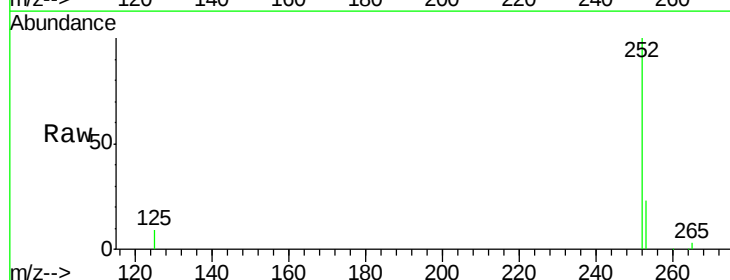
Tgt Ion:252 Resp: 48430

Ion Ratio Lower Upper

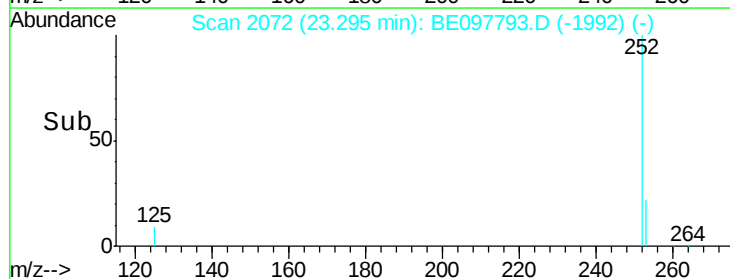
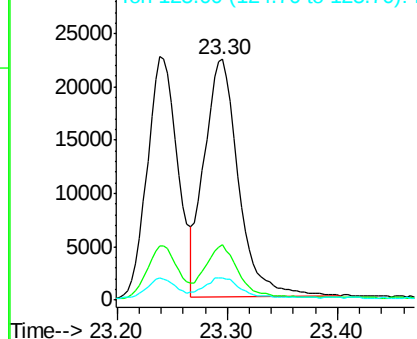
252 100

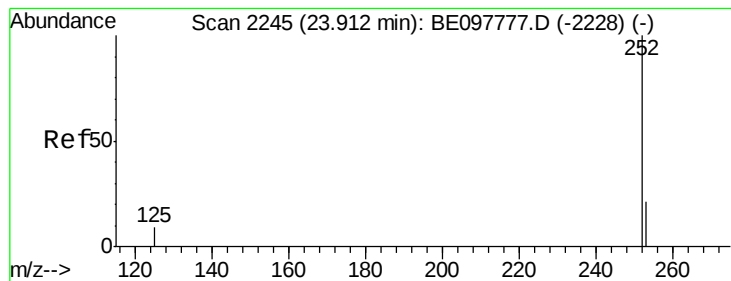
253 22.8 17.5 26.3

125 9.5 7.5 11.3



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: 0.459 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD

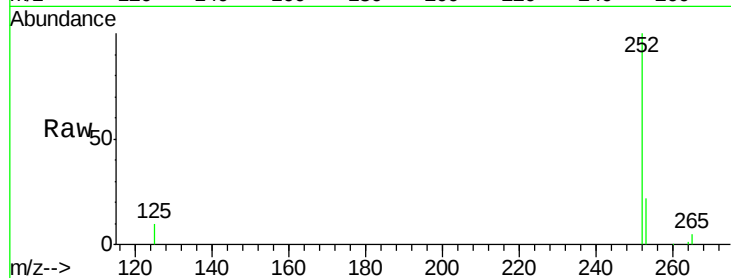
Tgt Ion:252 Resp: 39112

Ion Ratio Lower Upper

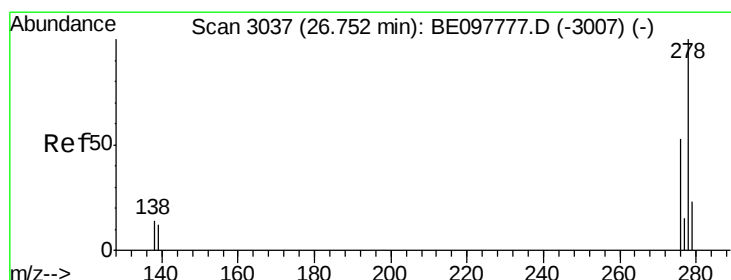
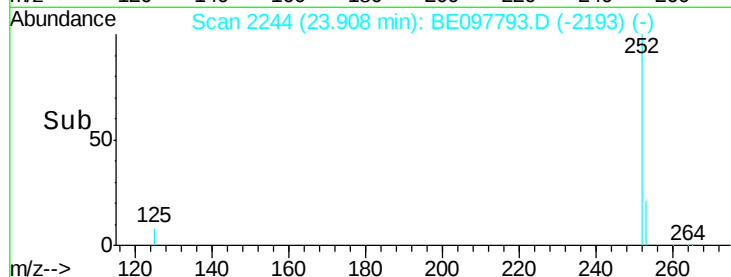
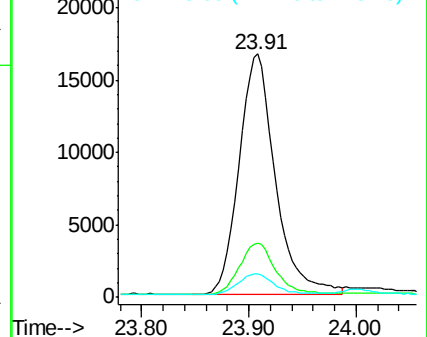
252 100

253 22.3 17.7 26.5

125 9.7 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: 26.74 min Scan# 3034

Delta R.T. -0.03 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

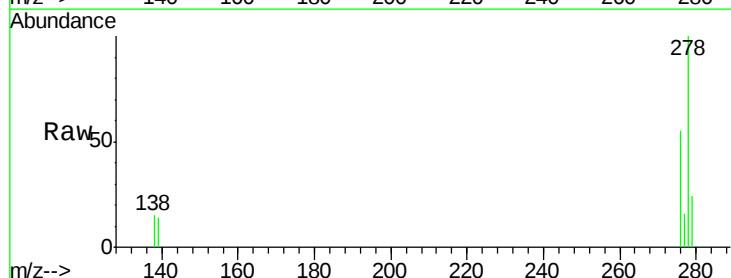
Tgt Ion:278 Resp: 36203

Ion Ratio Lower Upper

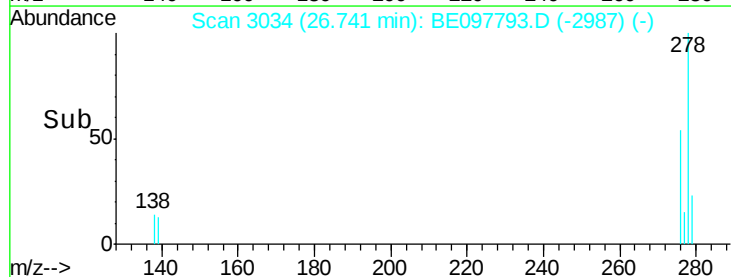
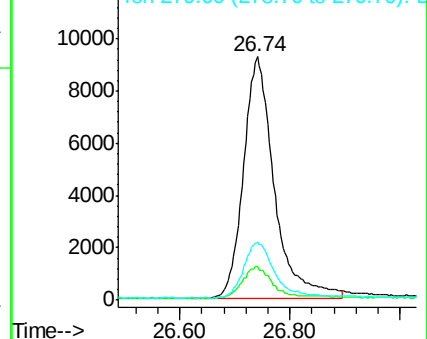
278 100

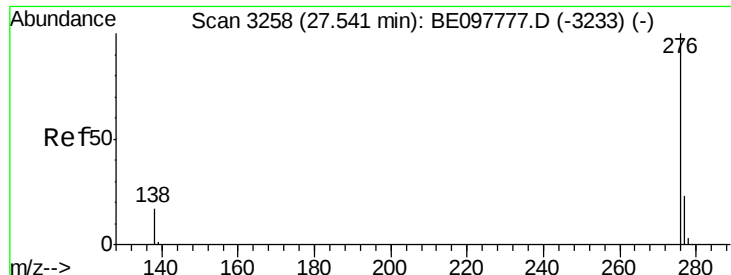
139 13.8 10.3 15.5

279 23.6 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(g,h,i)perylene

Concen: 0.434 ng

RT: 27.53 min Scan# 3254

Delta R.T. -0.03 min

Lab File: BE097793.D

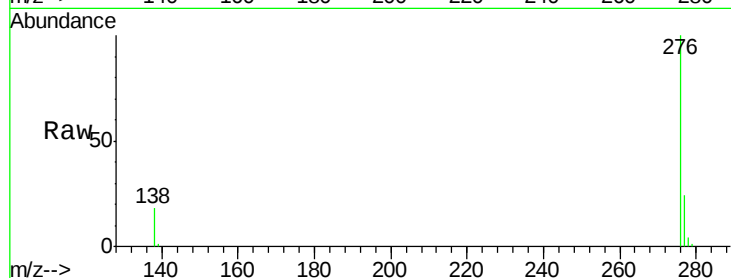
Acq: 8 Oct 2018 14:24

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MSD



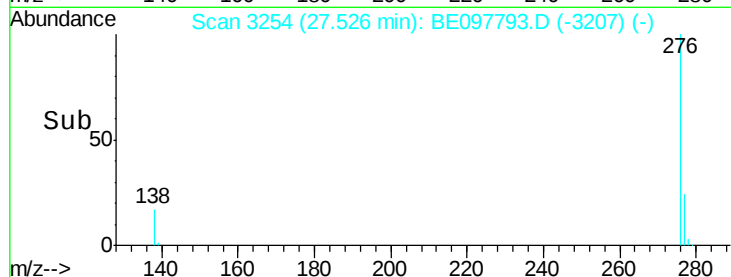
Tgt Ion: 276 Resp: 38058

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 17.8 14.2 21.2



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

