

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

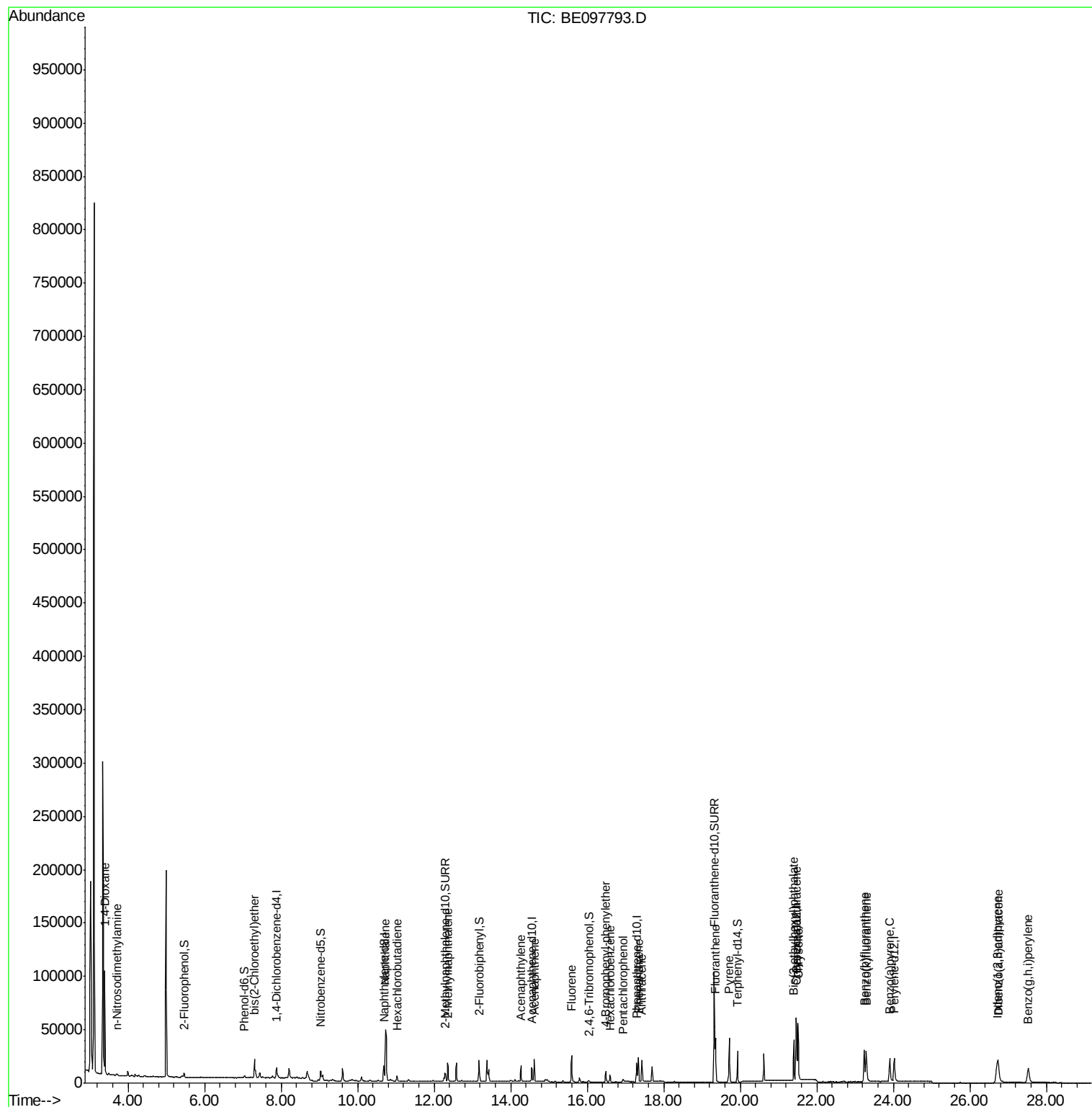
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	53689	6.275	ng	96
3) n-Nitrosodimethylamine	3.70	42	1117	0.144	ng	# 77
6) bis(2-Chloroethyl)ether	7.31	93	6691	0.415	ng	98
9) Naphthalene	10.73	128	83790	0.484	ng	100
10) Hexachlorobutadiene	11.03	225	3519	0.383	ng	99
12) 2-Methylnaphthalene	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

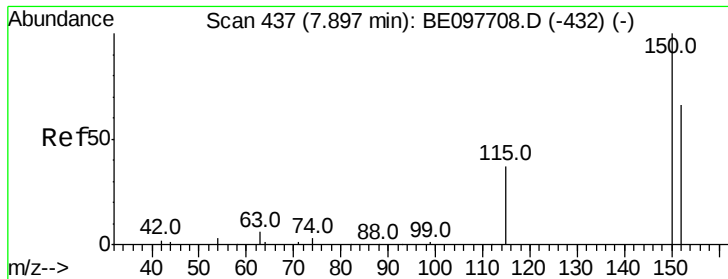
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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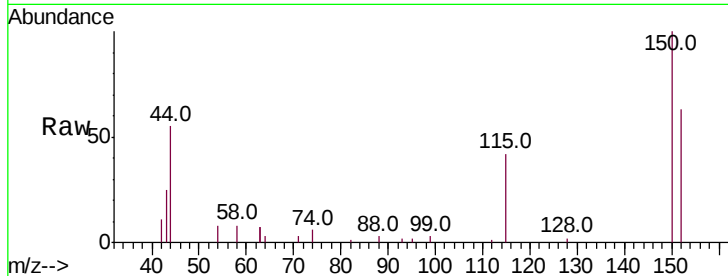


#1

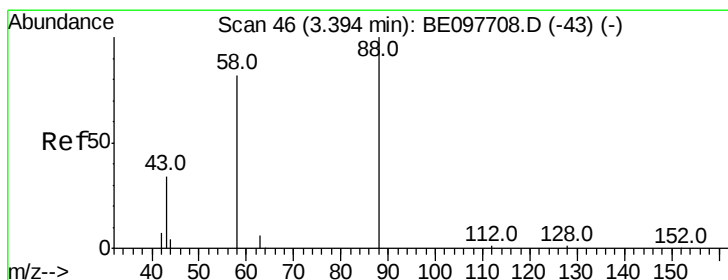
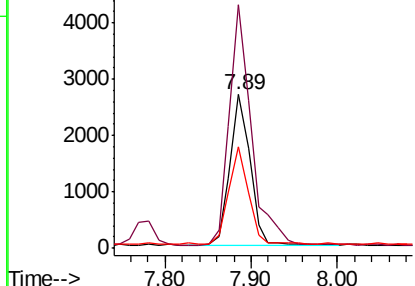
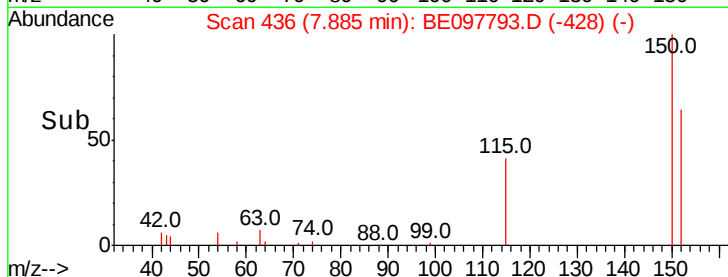
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

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

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



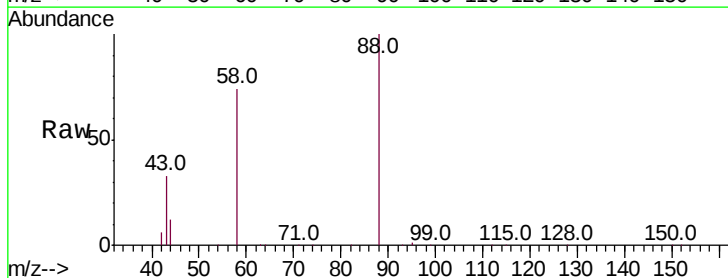
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



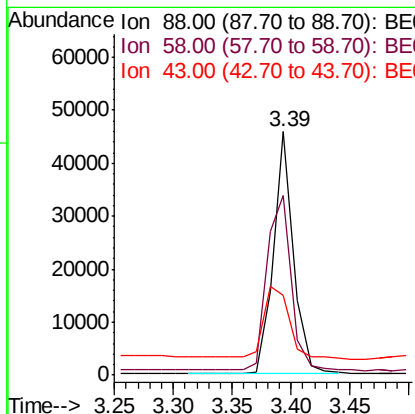
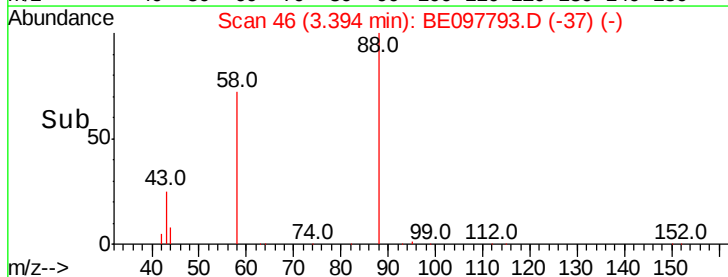
#2

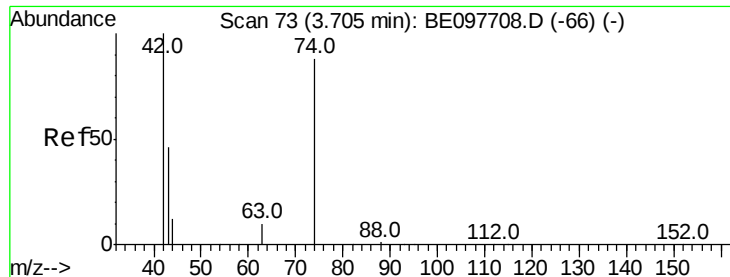
1,4-Dioxane
Concen: 6.275 ng
RT: 3.39 min Scan# 46
Delta R.T. -0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

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

ClientSampleId :

RE-125D2-2018001MSD

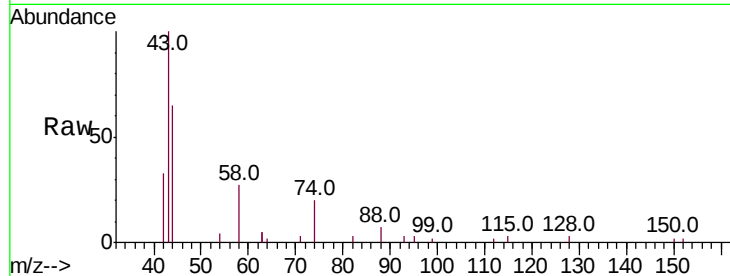
Tot Ion: 42 Resp: 1117

Ion Ratio Lower Upper

42 100

74 104.2 70.7 106.1

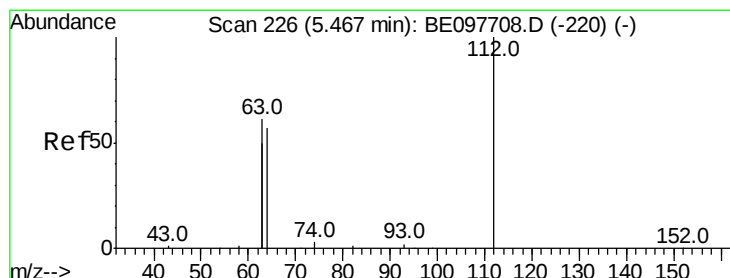
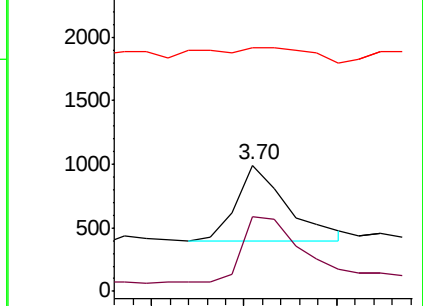
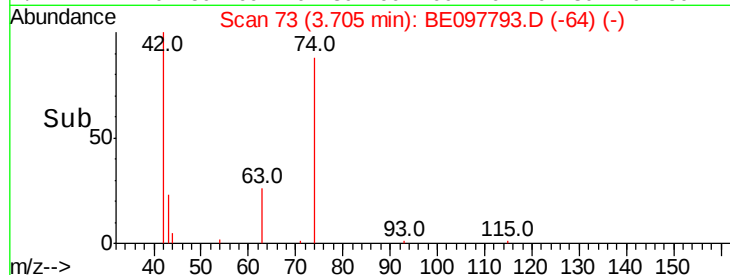
44 41.7 15.0 22.4#



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: 0.210 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

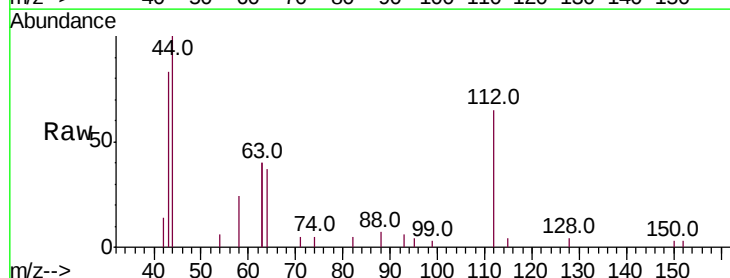
Tgt Ion: 112 Resp: 2133

Ion Ratio Lower Upper

112 100

64 65.9 56.6 84.8

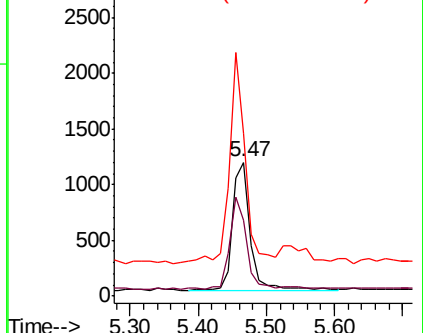
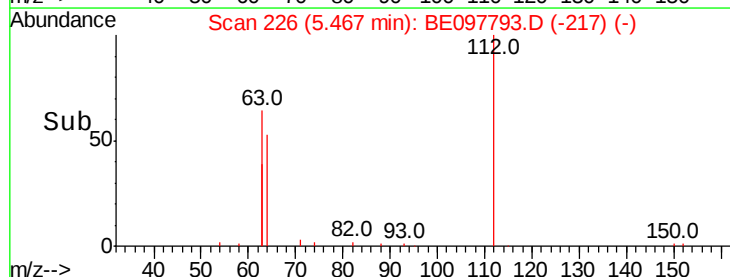
63 136.8 119.4 179.0

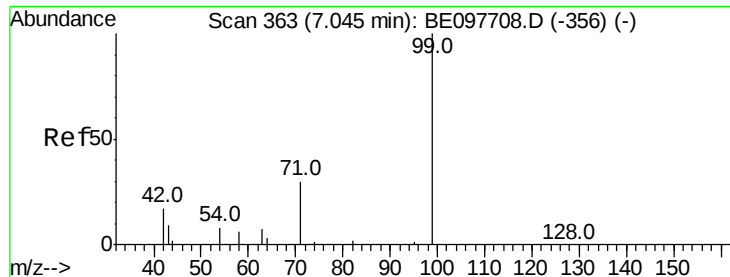


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.113 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

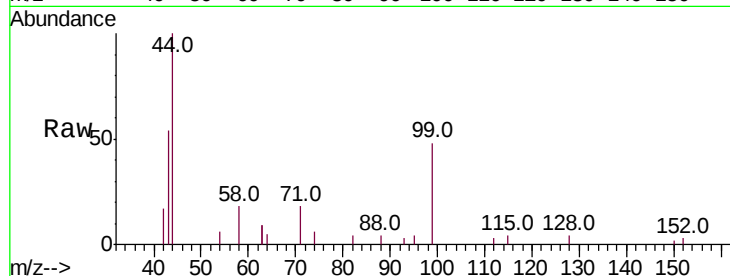
Tot Ion: 99 Resp: 1762

Ion Ratio Lower Upper

99 100

42 33.1 19.9 29.9#

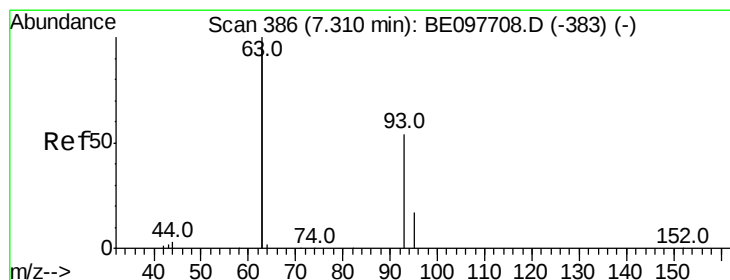
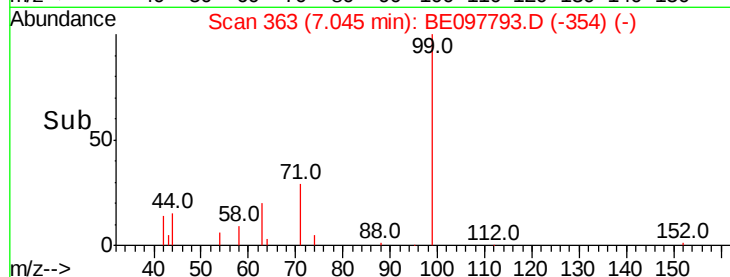
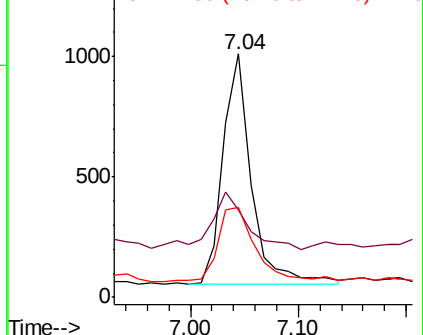
71 44.3 25.4 38.2#



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

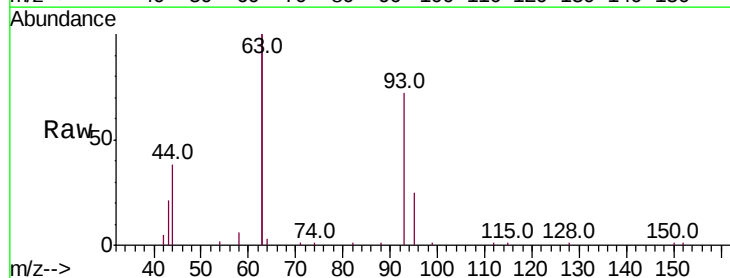
Tgt Ion: 93 Resp: 6691

Ion Ratio Lower Upper

93 100

63 338.2 266.9 400.3

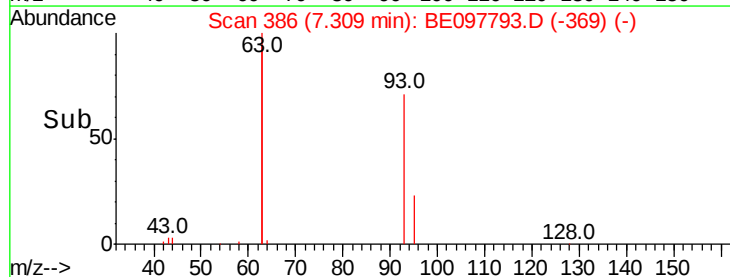
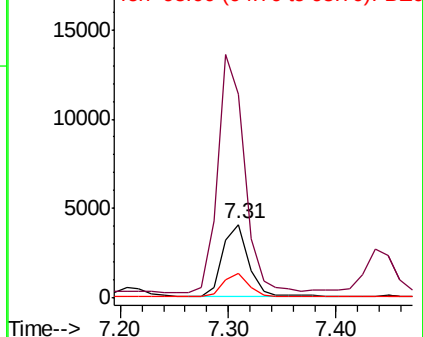
95 33.3 26.2 39.2

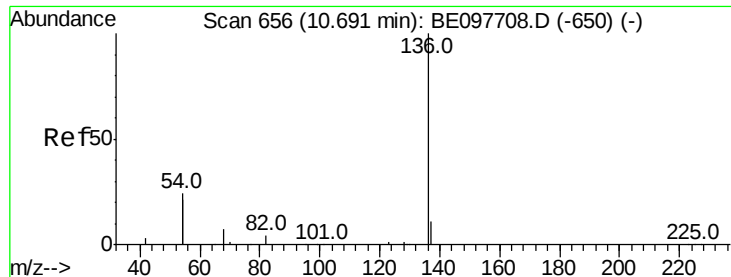


Abundance Ion 93.00 (92.70 to 93.70): BE0

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

Tot Ion:136 Resp: 17184

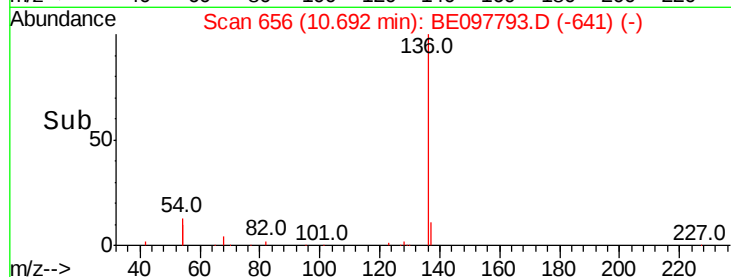
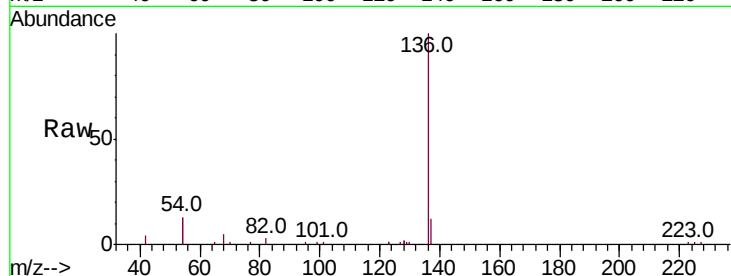
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.4

54 26.7 37.8 56.6#

68 5.2 6.4 9.6#

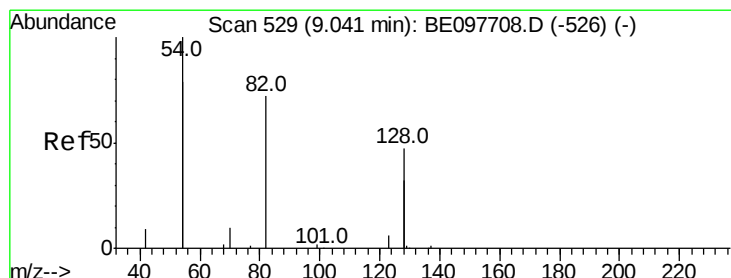
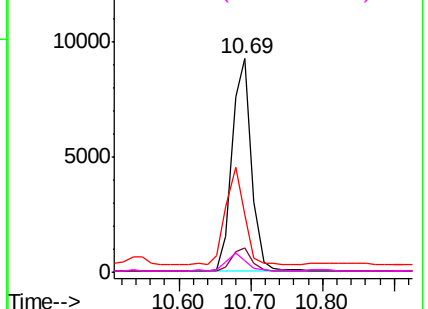


Abundance Ion 136.00 (135.70 to 136.70): E

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

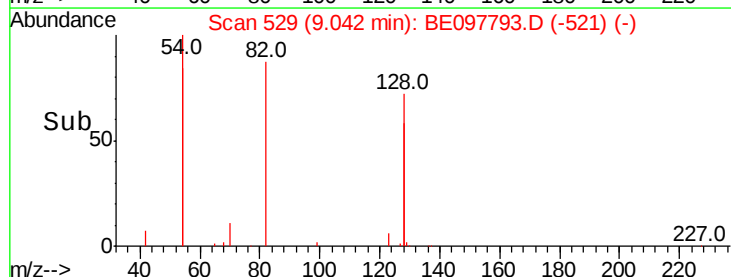
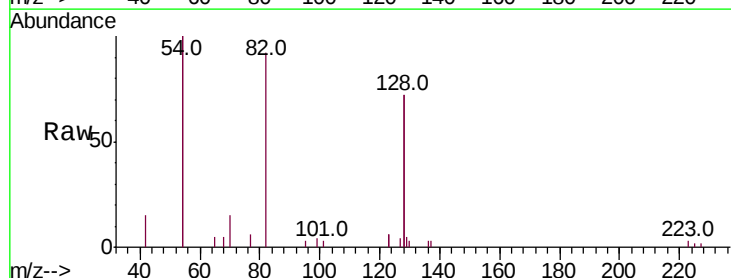
Tgt Ion: 82 Resp: 4122

Ion Ratio Lower Upper

82 100

128 155.6 97.0 145.4#

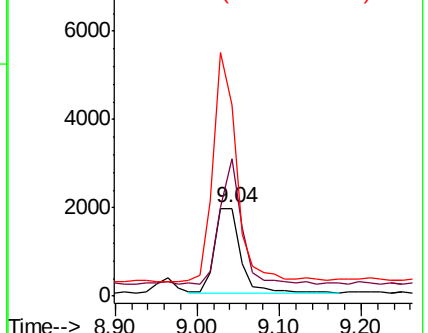
54 217.6 206.9 310.3

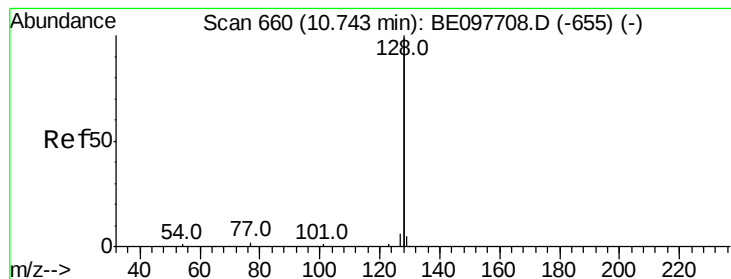


Abundance Ion 82.00 (81.70 to 82.70): BE0

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

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Instrument :

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ClientSampleId :

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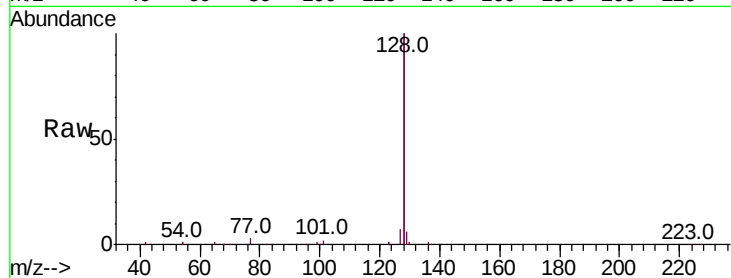
Tot Ion:128 Resp: 83790

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.2

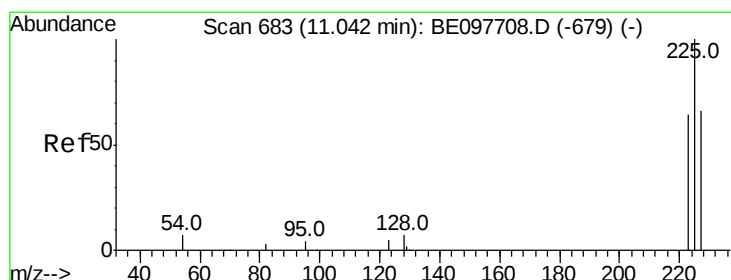
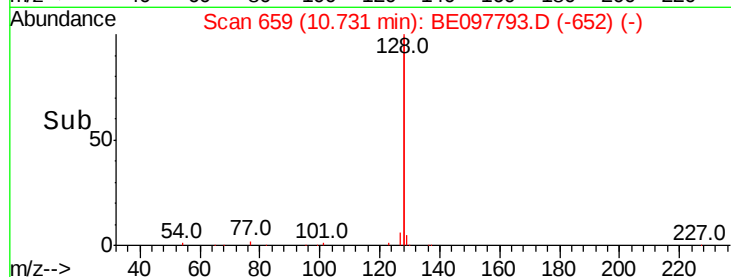
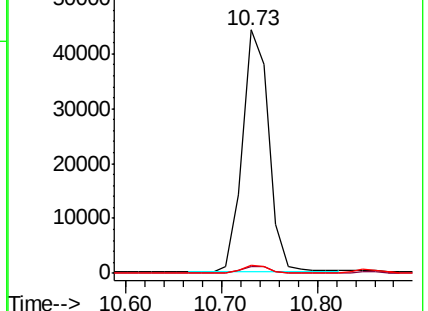
127 3.4 2.7 4.1



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

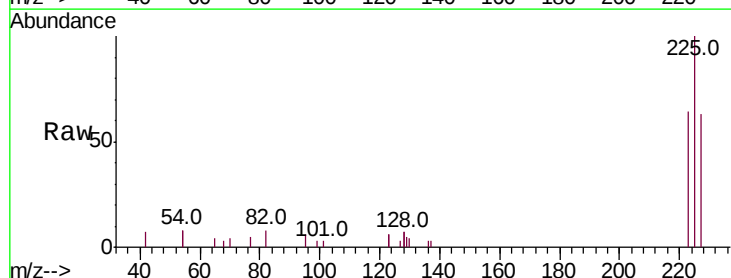
Tgt Ion:225 Resp: 3519

Ion Ratio Lower Upper

225 100

223 63.8 52.2 78.4

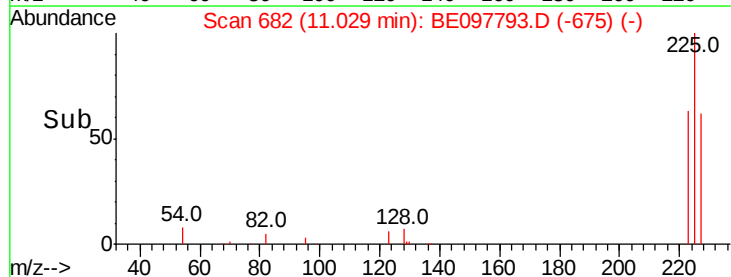
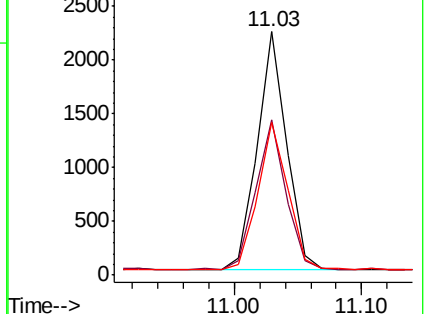
227 63.6 51.2 76.8

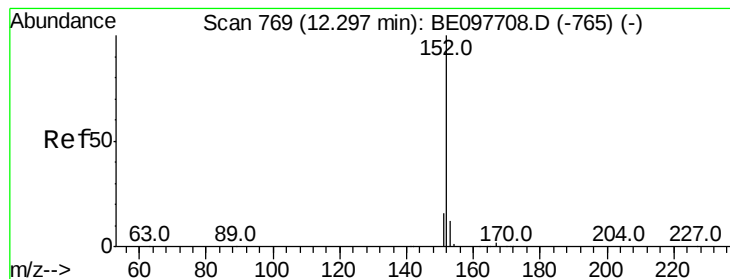


Abundance Ion 225.00 (224.70 to 225.70): E

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 :

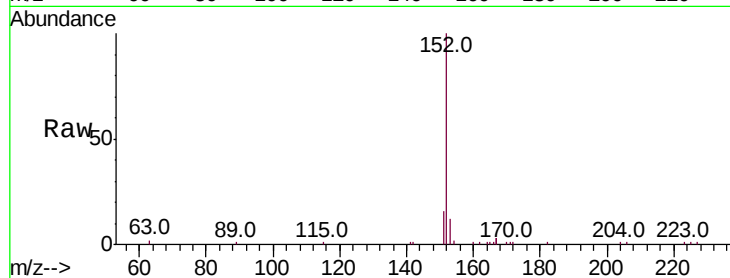
RE-125D2-2018001MSD

Tot Ion:152 Resp: 13624

Ion Ratio Lower Upper

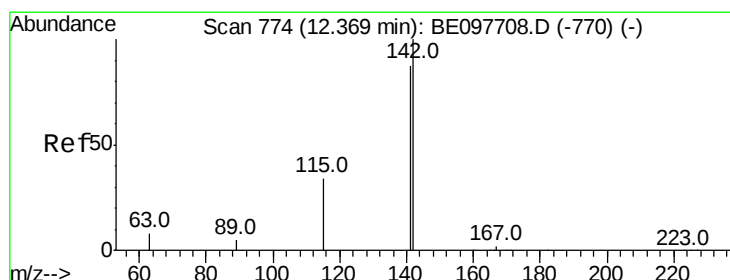
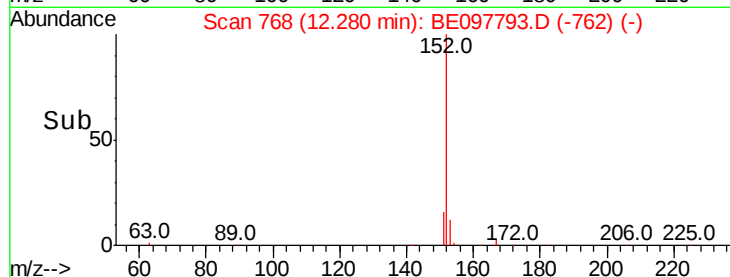
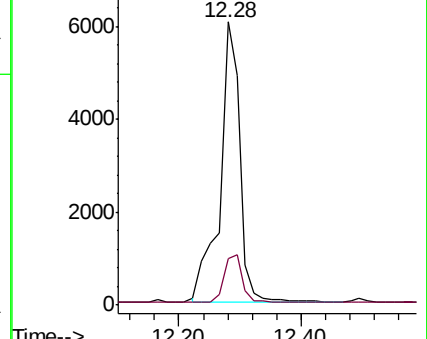
152 100

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

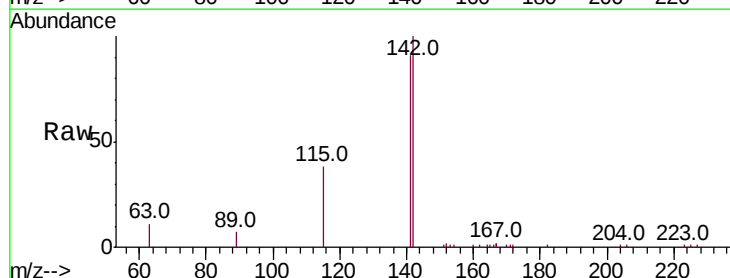
Tgt Ion:142 Resp: 13559

Ion Ratio Lower Upper

142 100

141 90.9 69.4 104.2

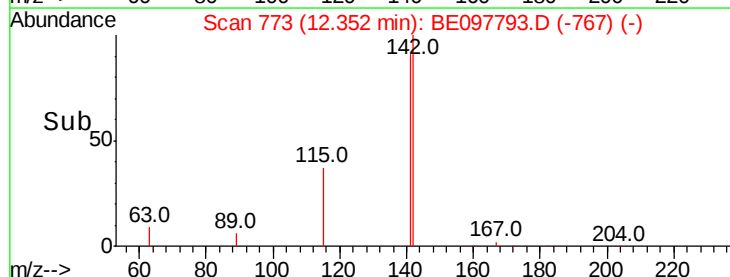
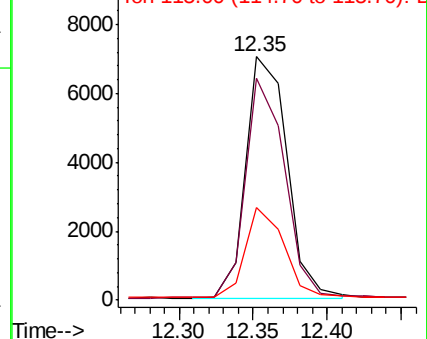
115 37.8 28.0 42.0

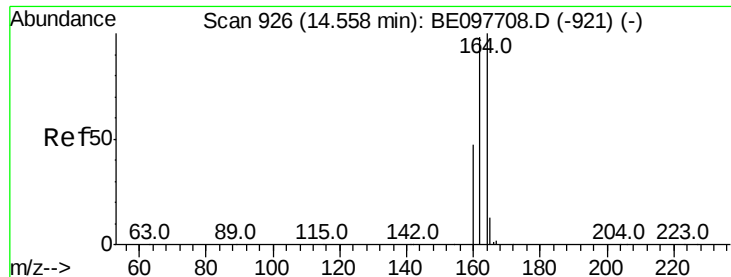


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

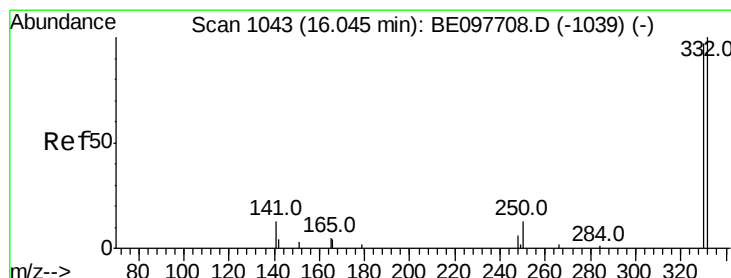
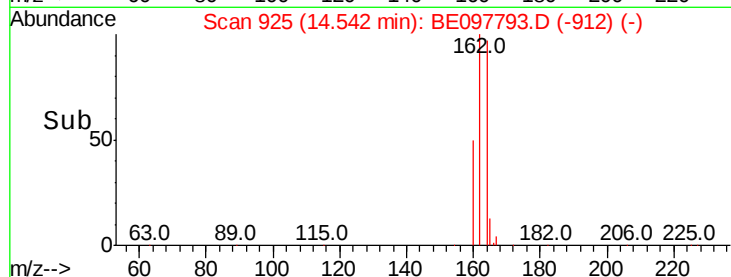
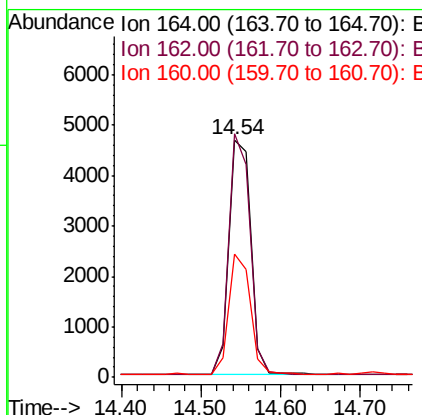
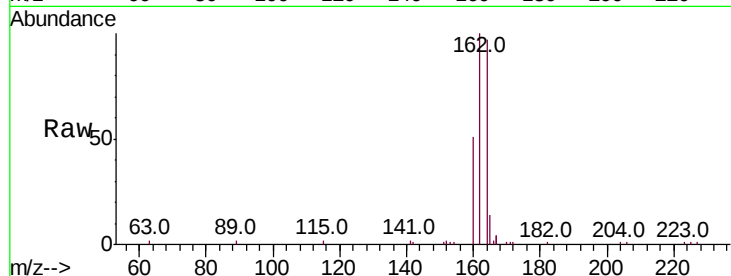




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BE097793.D
 Acq: 8 Oct 2018 14:24

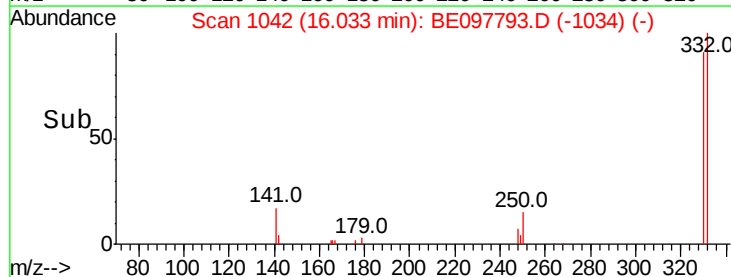
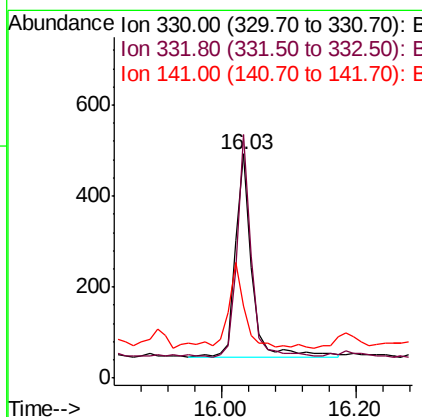
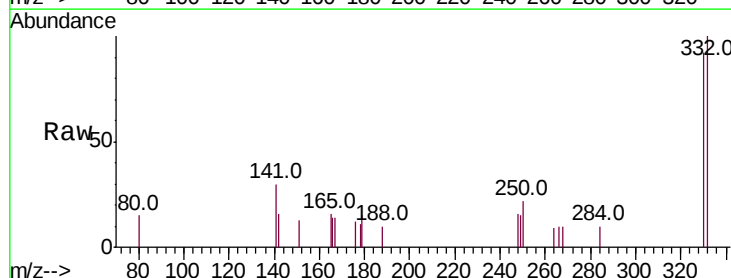
Instrument :
 BNA_E
 ClientSampleId :
 RE-125D2-2018001MSD

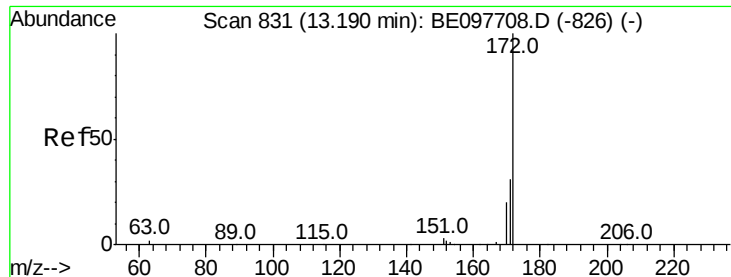
Tot Ion:164 Resp: 8912
 Ion Ratio Lower Upper
 164 100
 162 102.6 78.6 117.8
 160 52.0 37.8 56.6



#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

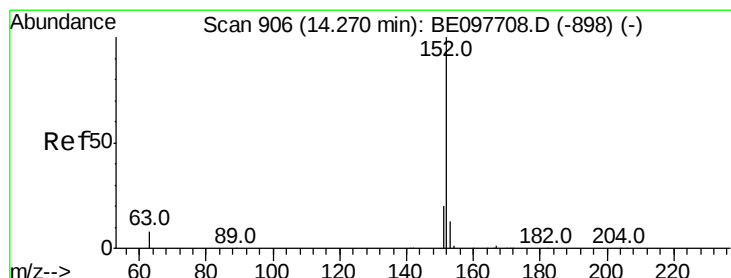
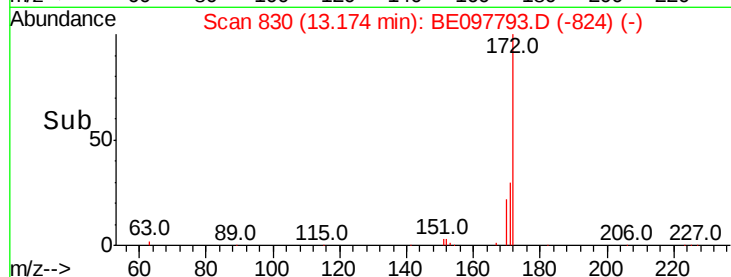
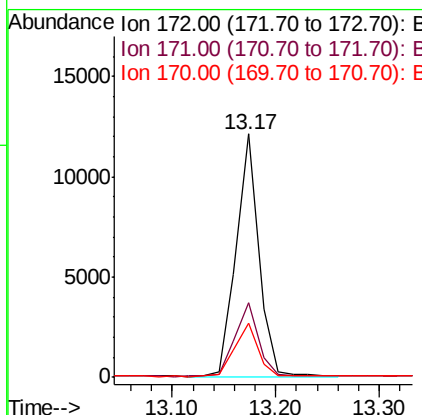
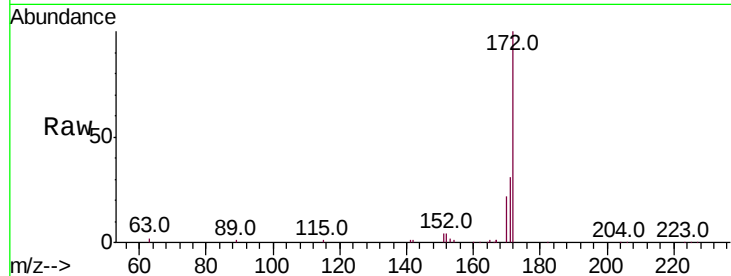




#15
2-Fluorobiphenyl
Concen: 0.467 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.02 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

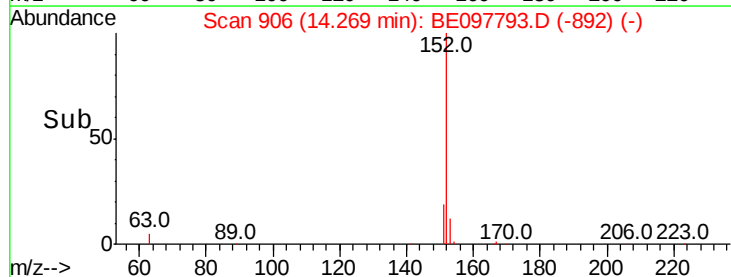
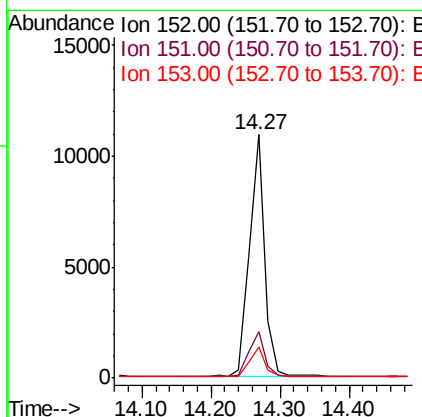
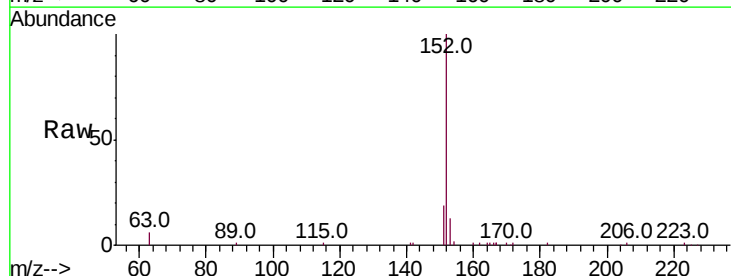
Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

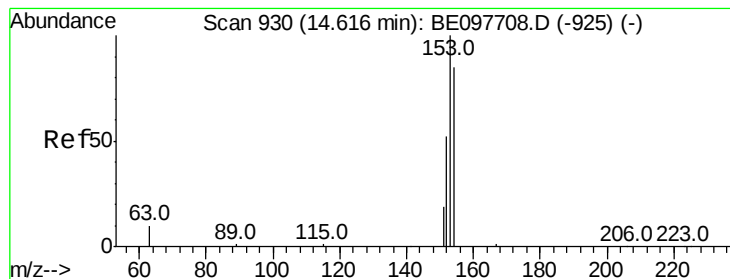
Tot Ion:172 Resp: 18312
Ion Ratio Lower Upper
172 100
171 30.8 25.2 37.8
170 22.0 16.2 24.2



#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





#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

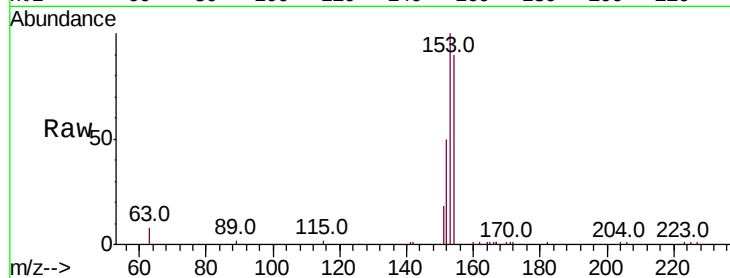
Tot Ion:154 Resp: 11033

Ion Ratio Lower Upper

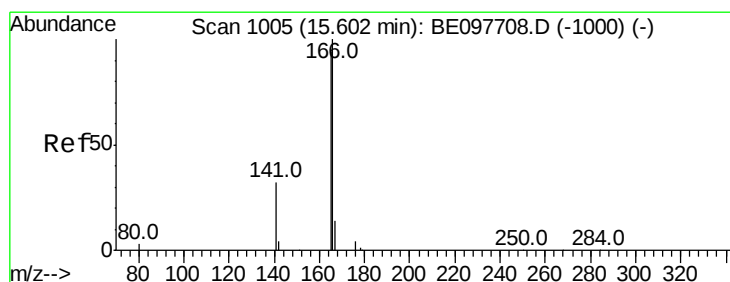
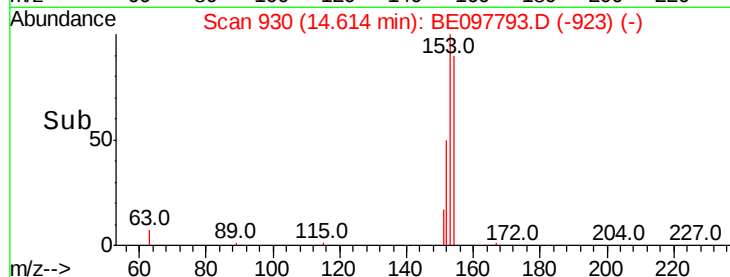
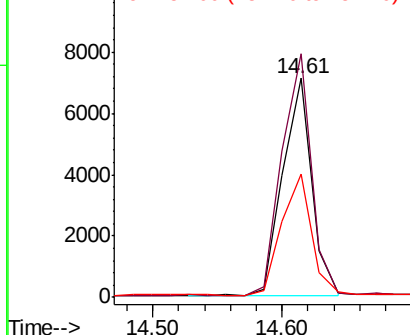
154 100

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

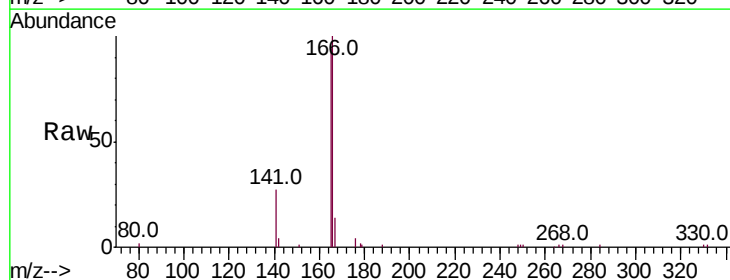
Tgt Ion:166 Resp: 15109

Ion Ratio Lower Upper

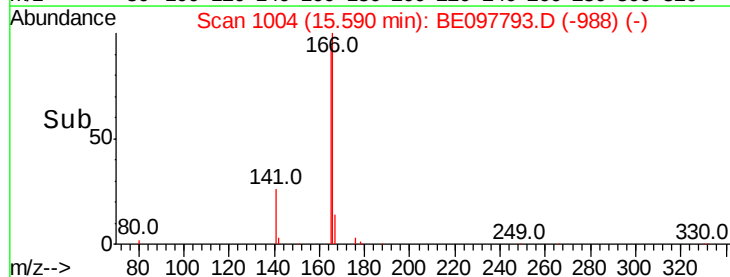
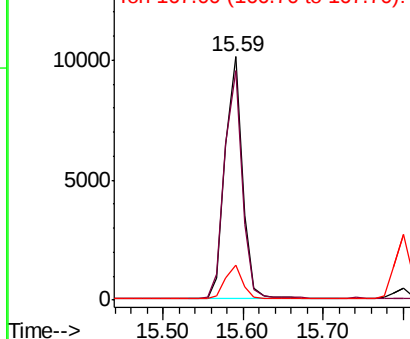
166 100

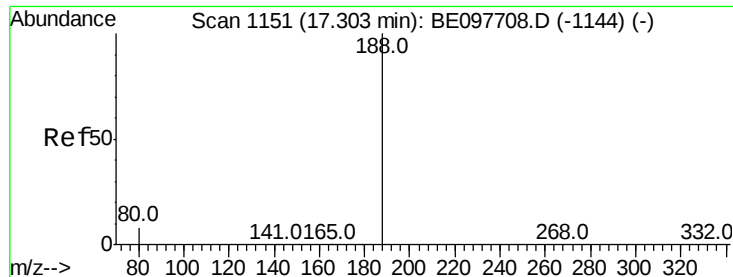
165 96.2 79.0 118.4

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

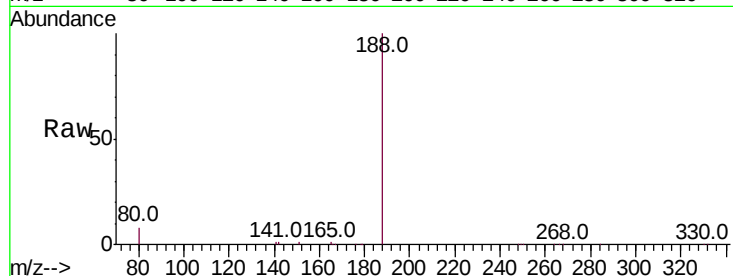
Tot Ion:188 Resp: 23122

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

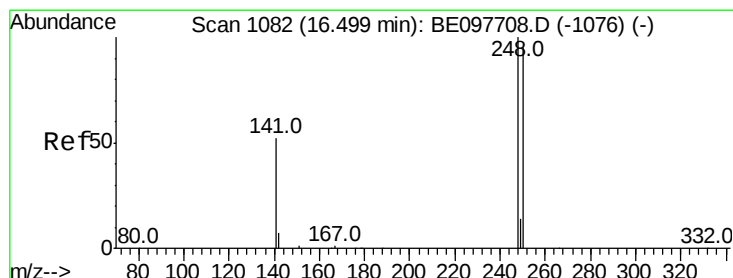
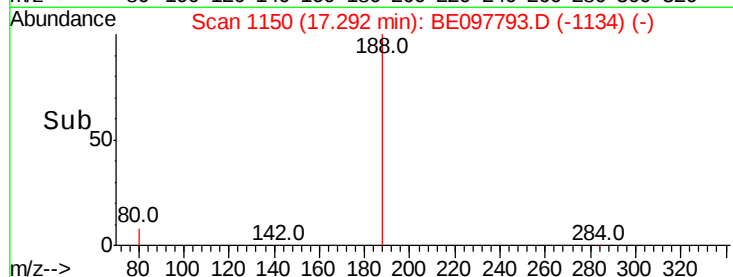
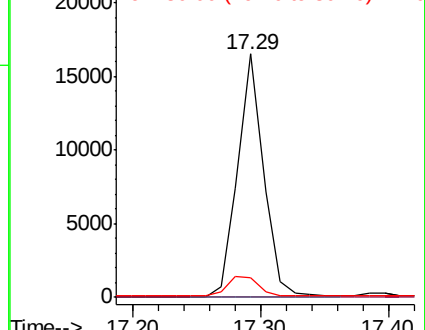
80 8.2 6.6 9.8



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



#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

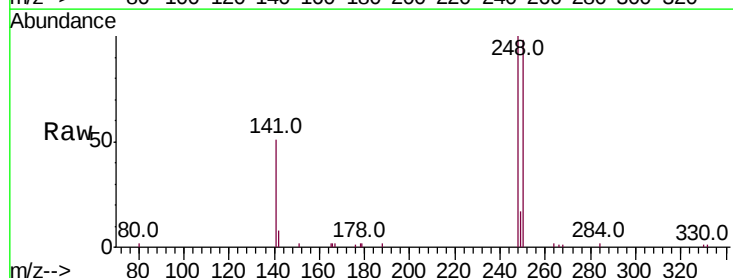
Tgt Ion:248 Resp: 5158

Ion Ratio Lower Upper

248 100

250 97.7 76.1 114.1

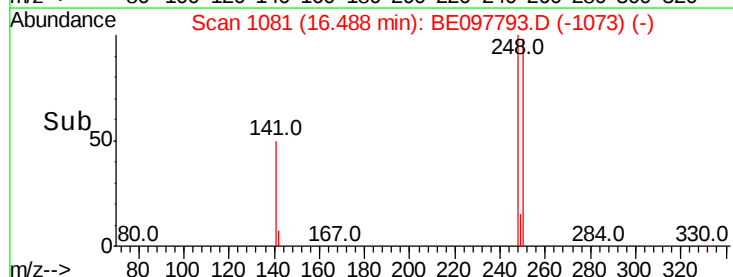
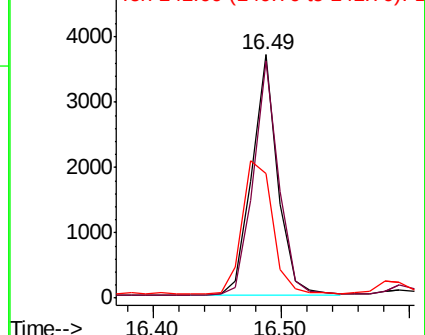
141 51.0 42.2 63.4

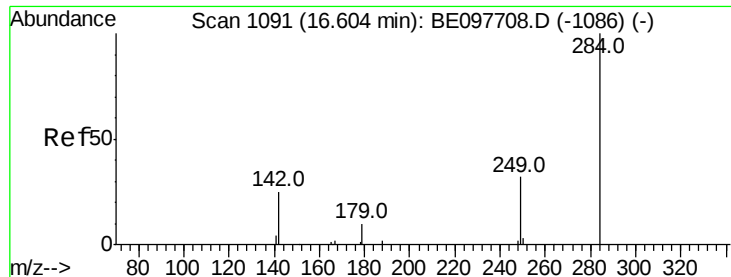


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#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 :

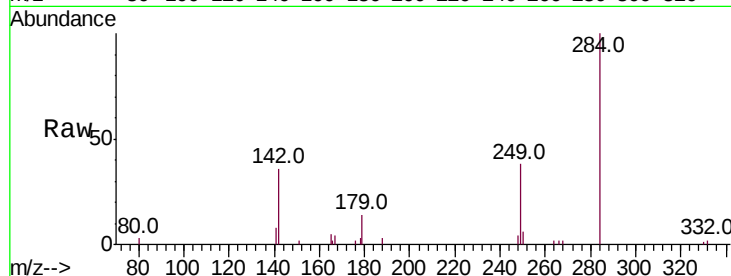
BNA_E

ClientSampleId :

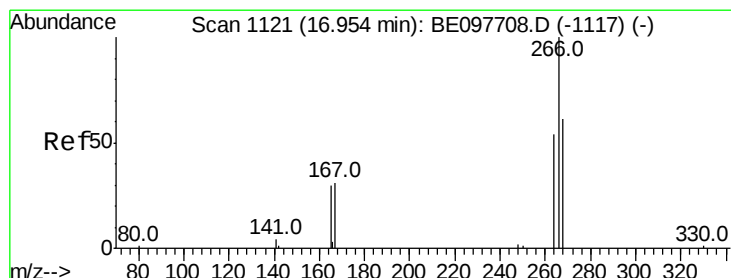
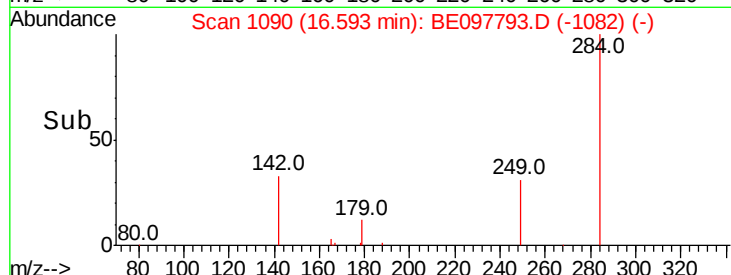
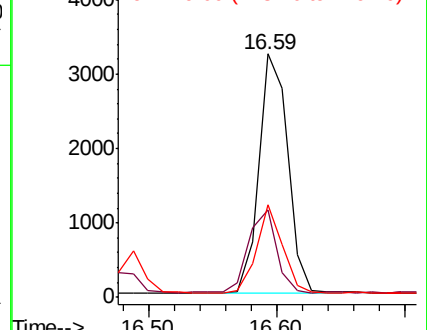
RE-125D2-2018001MSD

Tot 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

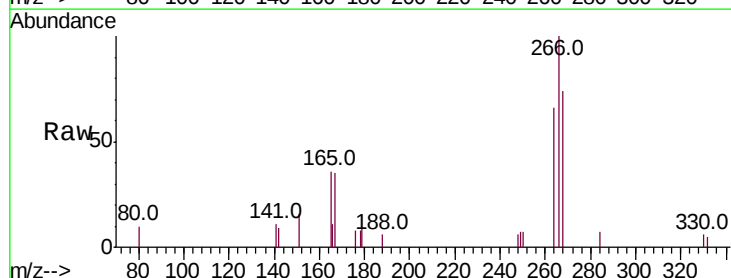
Delta R.T. -0.01 min

Lab File: BE097793.D

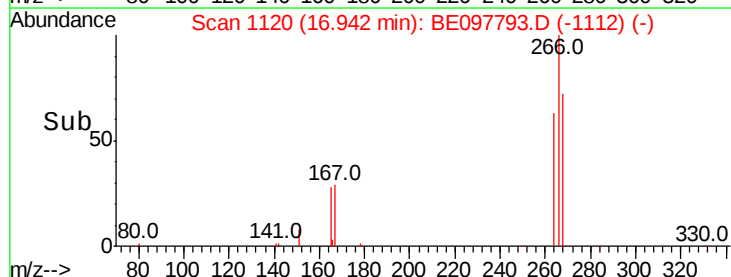
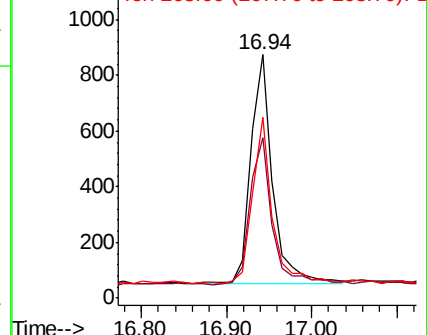
Acq: 8 Oct 2018 14:24

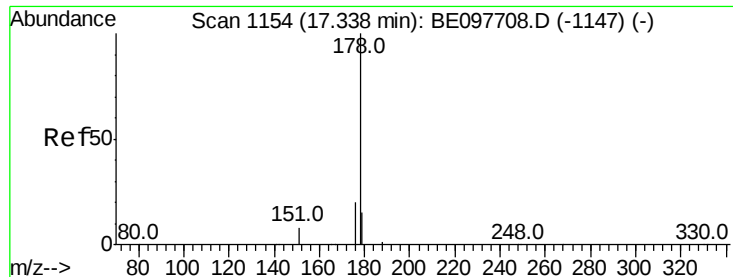
Tgt Ion:266 Resp: 1456

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

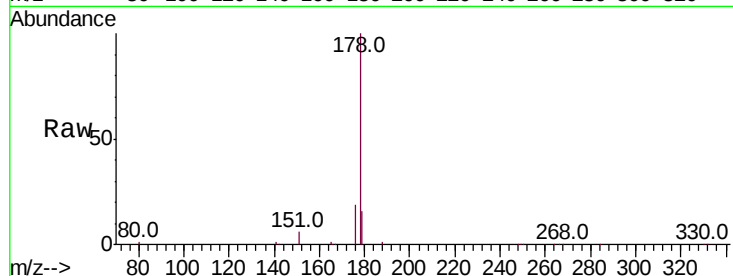
Tot Ion:178 Resp: 27098

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

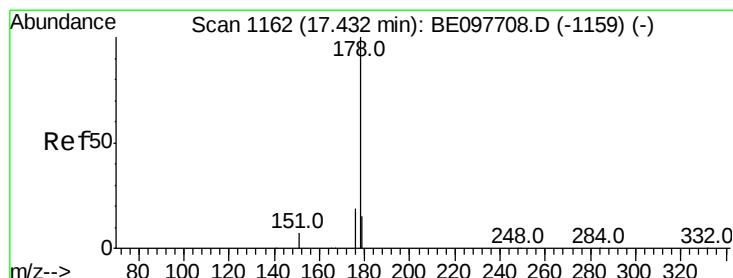
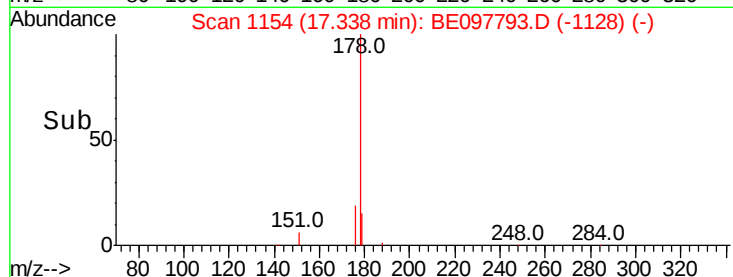
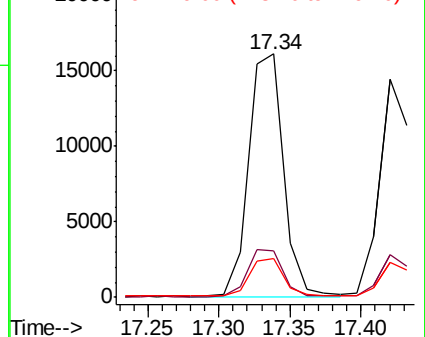
179 15.2 12.2 18.4



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

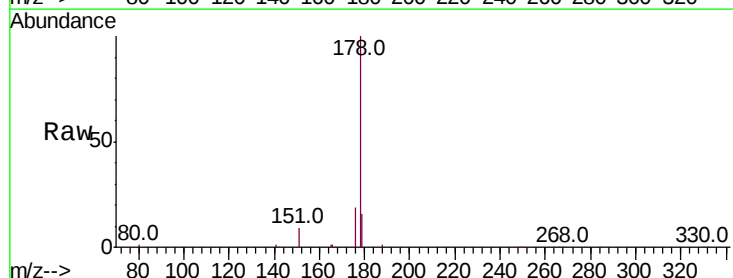
Tgt Ion:178 Resp: 23115

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

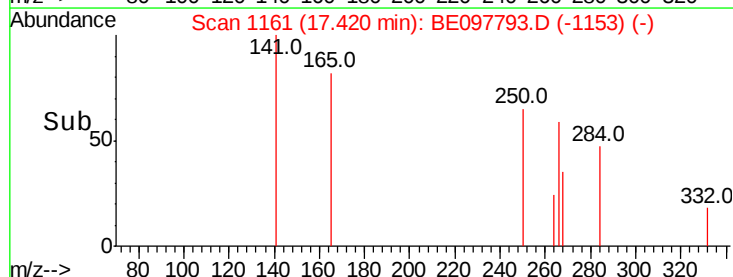
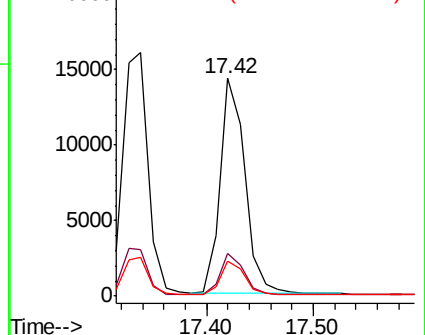
179 15.4 12.2 18.2

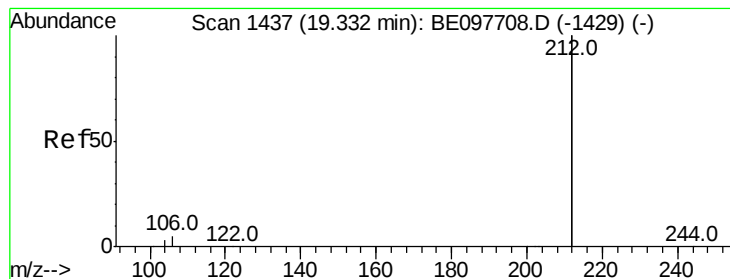


Abundance Ion 178.00 (177.70 to 178.70): E

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

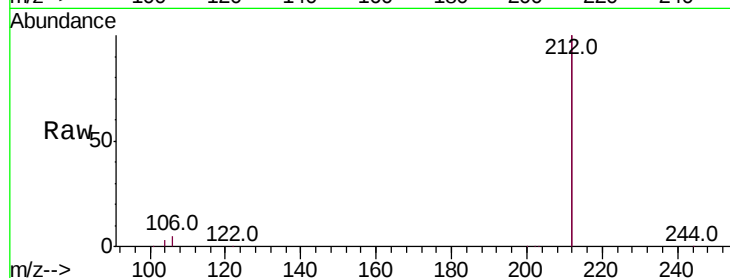
Tot Ion:212 Resp: 132031

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

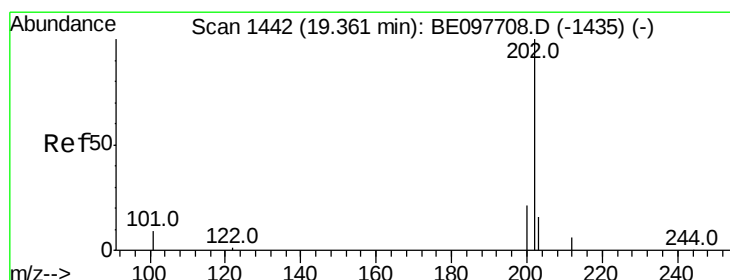
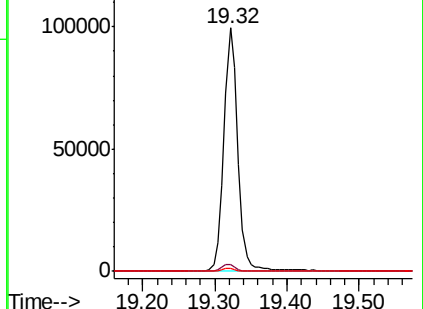
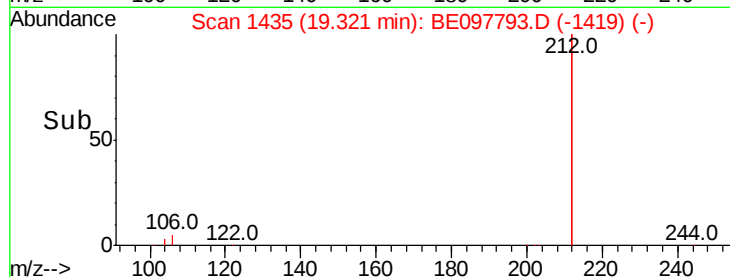
104 1.4 1.2 1.8



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

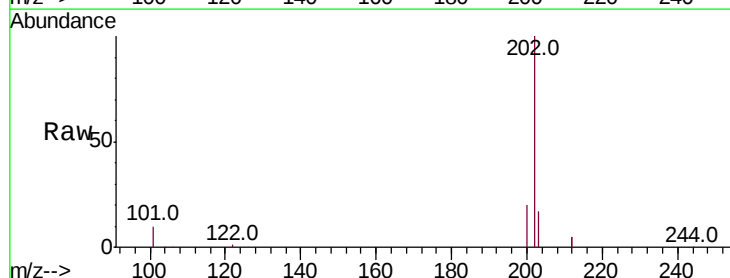
Tgt Ion:202 Resp: 36017

Ion Ratio Lower Upper

202 100

101 9.9 7.8 11.8

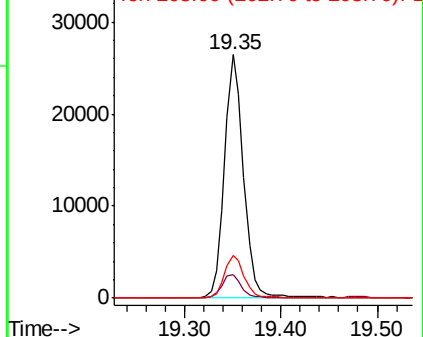
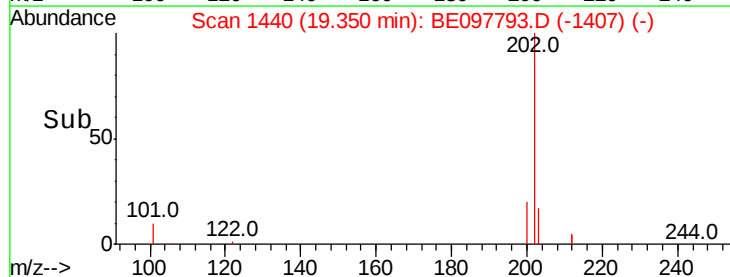
203 17.4 13.8 20.6

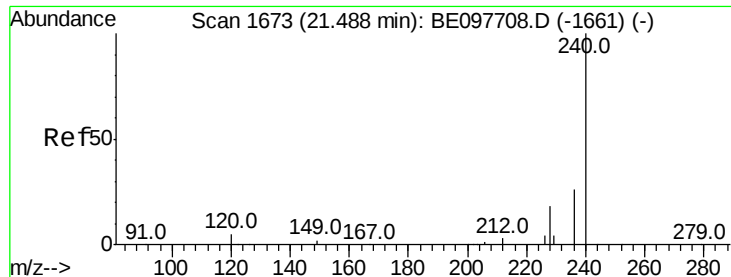


Abundance Ion 202.00 (201.70 to 202.70): E

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

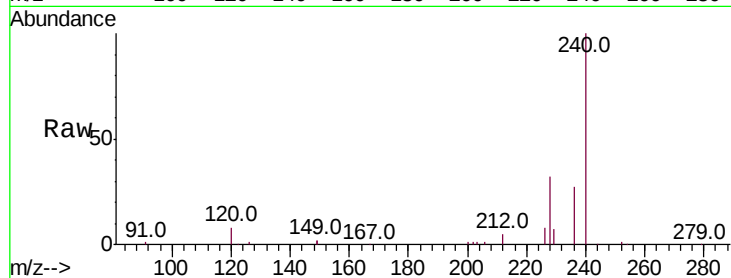
Tot Ion:240 Resp: 35222

Ion Ratio Lower Upper

240 100

120 7.5 4.7 7.1#

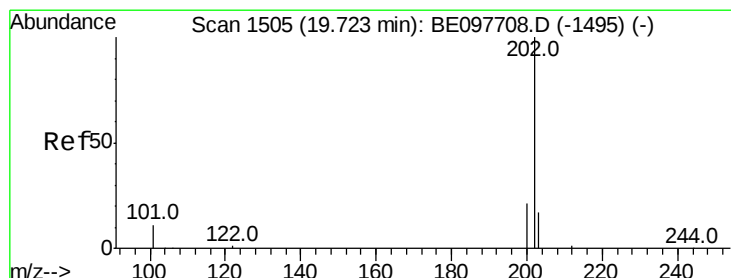
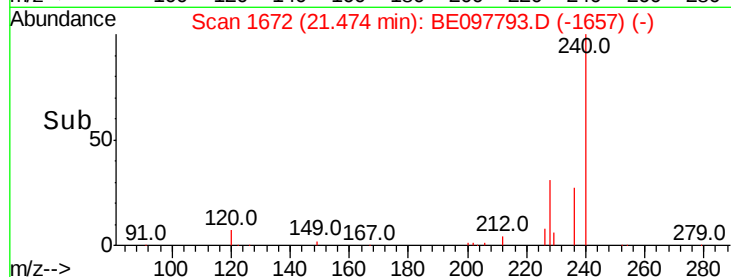
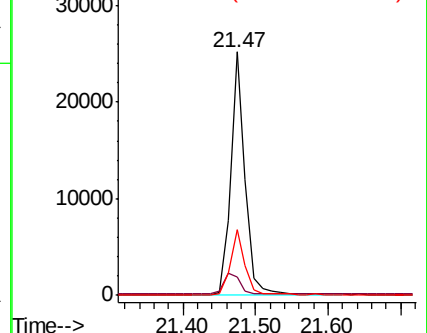
236 26.9 20.8 31.2



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: 0.424 ng

RT: 19.71 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

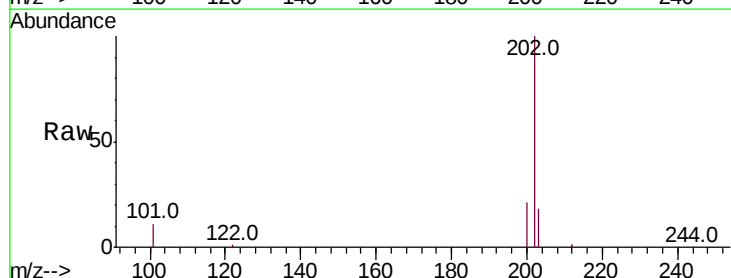
Tgt Ion:202 Resp: 37972

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

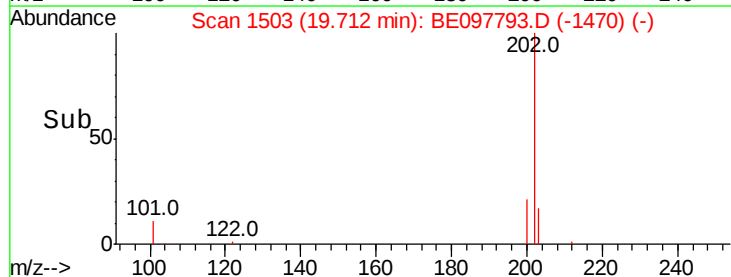
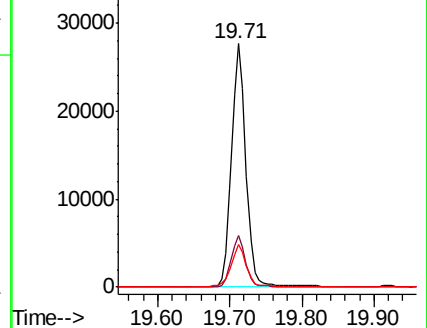
203 17.8 13.9 20.9

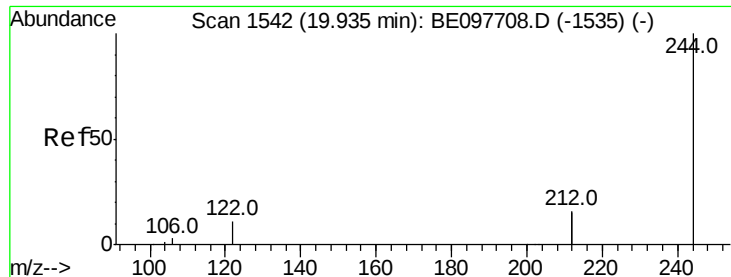


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.364 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

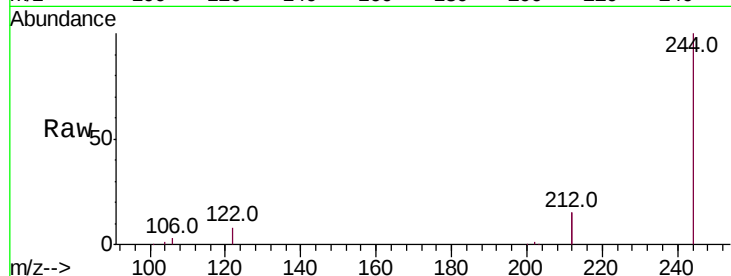
Tot Ion:244 Resp: 26202

Ion Ratio Lower Upper

244 100

212 30.5 25.8 38.8

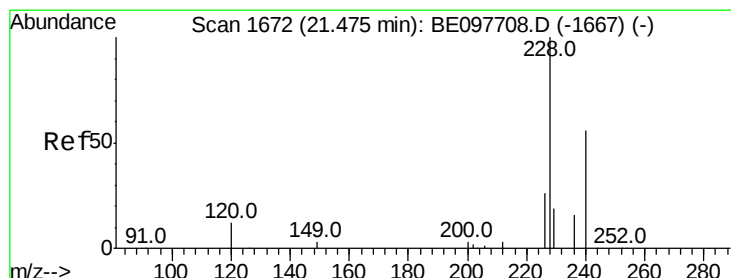
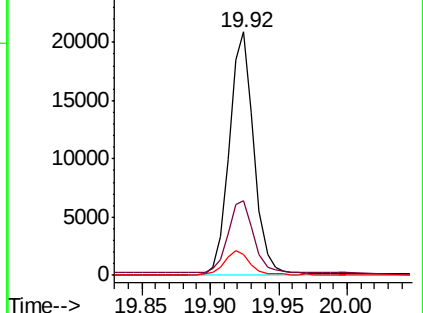
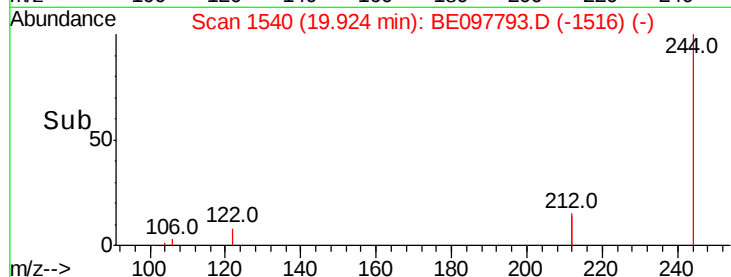
122 8.4 8.7 13.1#



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

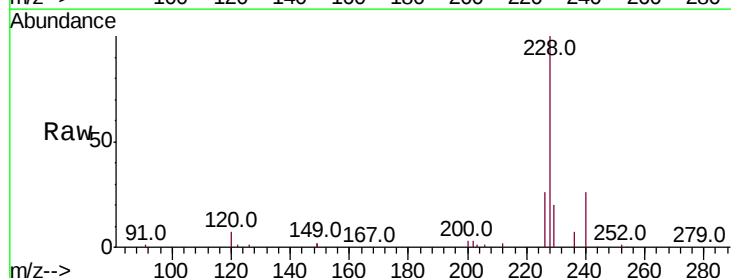
Tgt Ion:228 Resp: 45728

Ion Ratio Lower Upper

228 100

226 26.1 20.7 31.1

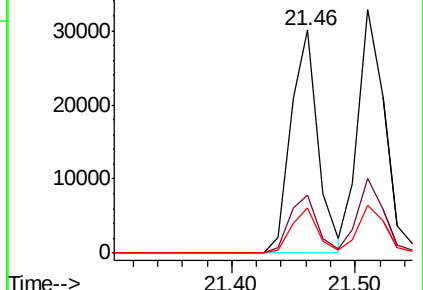
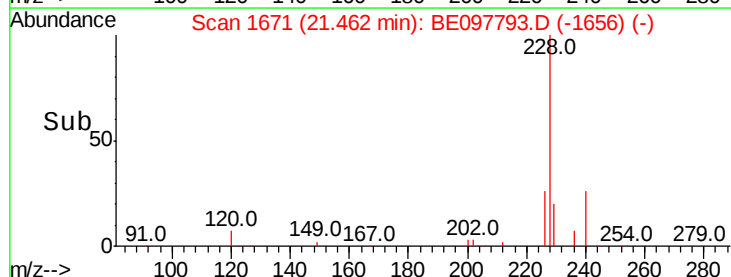
229 20.3 15.7 23.5

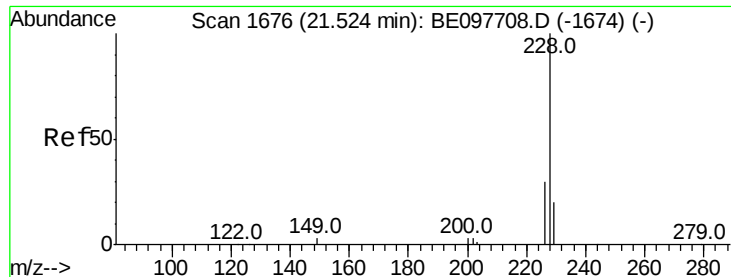


Abundance Ion 228.00 (227.70 to 228.70): E

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 :

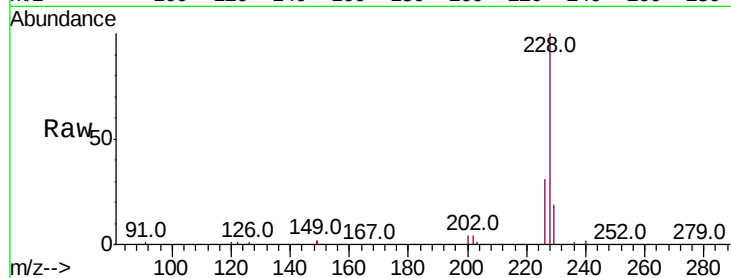
BNA_E

ClientSampleId :

RE-125D2-2018001MSD

Tot Ion:228 Resp: 48939

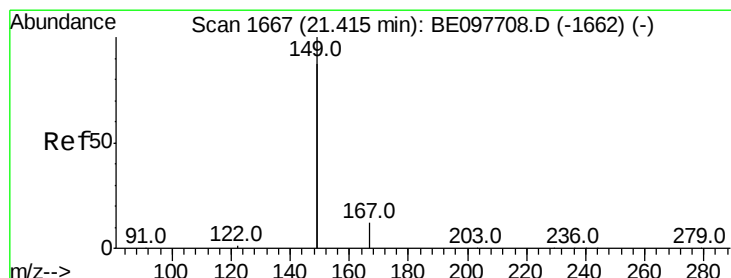
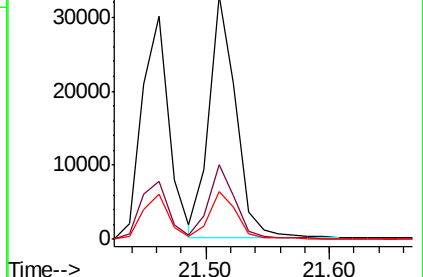
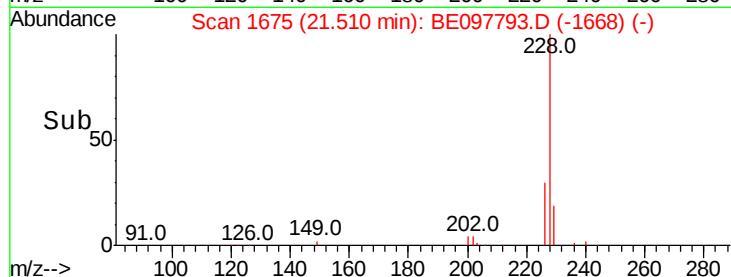
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	19.5	16.0	24.0



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: 0.567 ng

RT: 21.40 min Scan# 1666

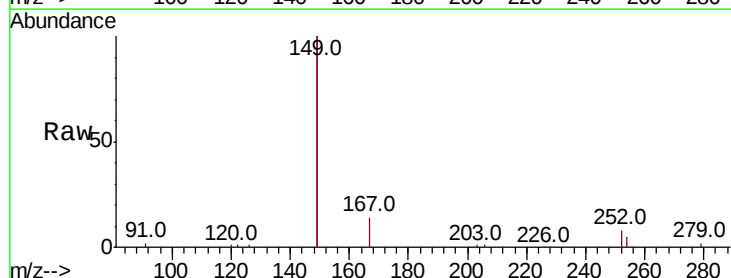
Delta R.T. -0.01 min

Lab File: BE097793.D

Acq: 8 Oct 2018 14:24

Tgt Ion:149 Resp: 39280

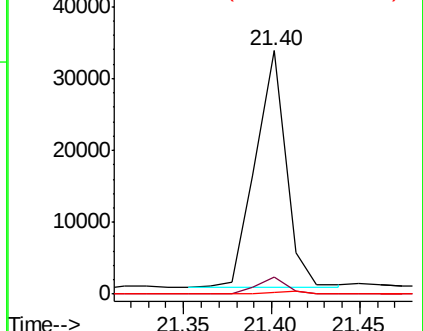
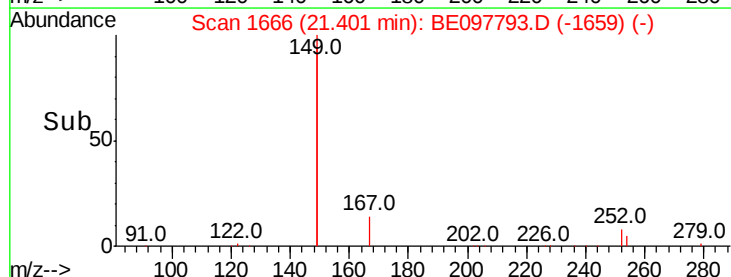
Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.5	8.3
279	1.0	0.9	1.3

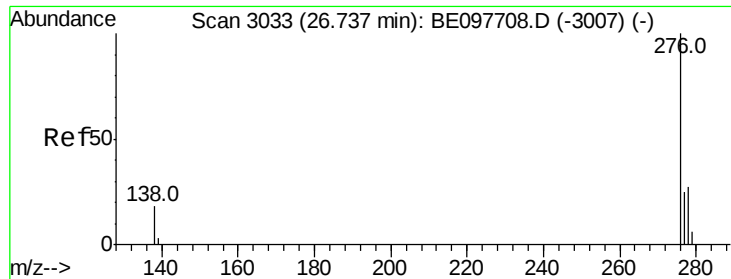


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.456 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

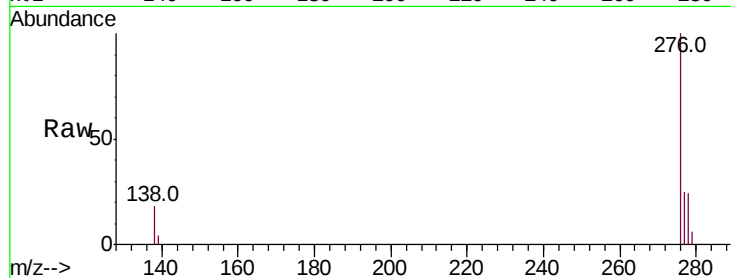
Tot Ion:276 Resp: 41933

Ion Ratio Lower Upper

276 100

138 20.3 15.0 22.6

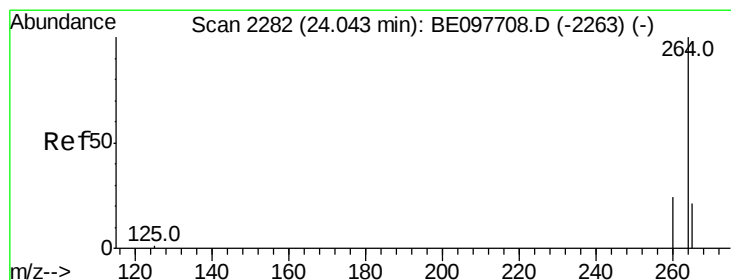
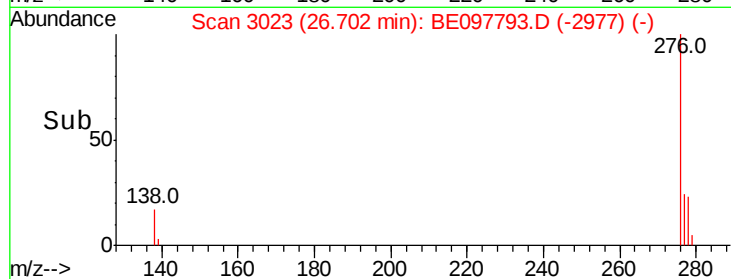
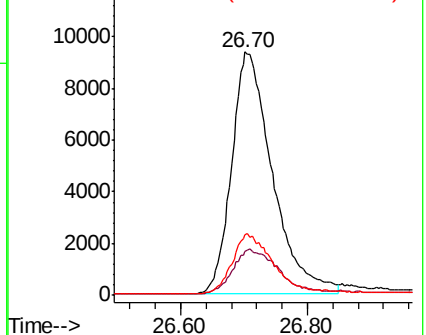
277 24.6 19.2 28.8



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

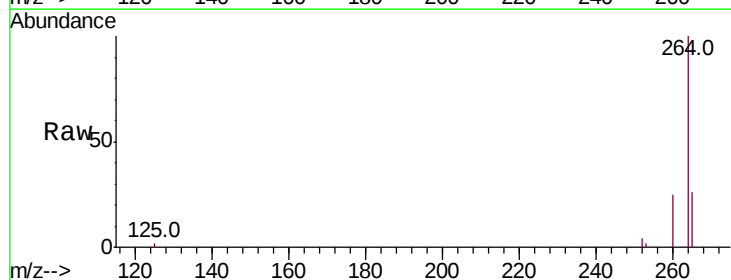
Tgt Ion:264 Resp: 34263

Ion Ratio Lower Upper

264 100

260 25.4 19.1 28.7

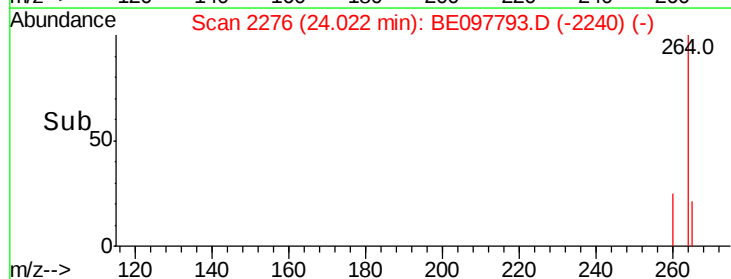
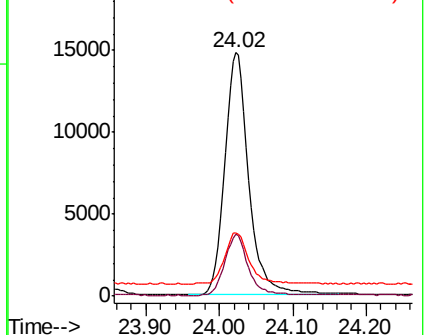
265 26.1 21.9 32.9

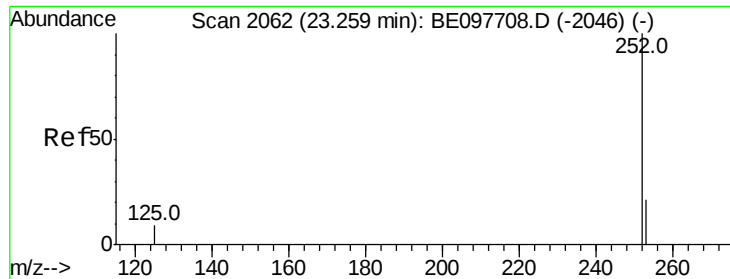


Abundance Ion 264.00 (263.70 to 264.70): E

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

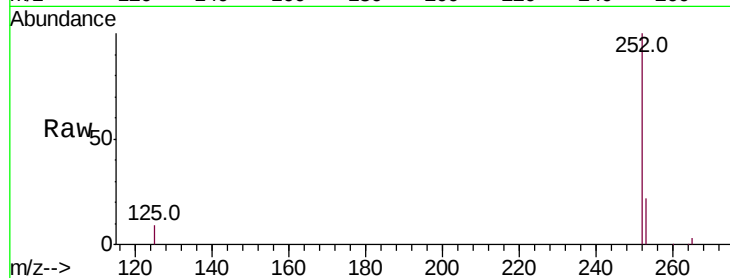
Tot Ion:252 Resp: 44013

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

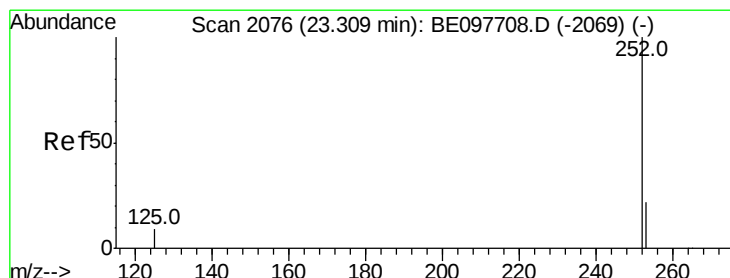
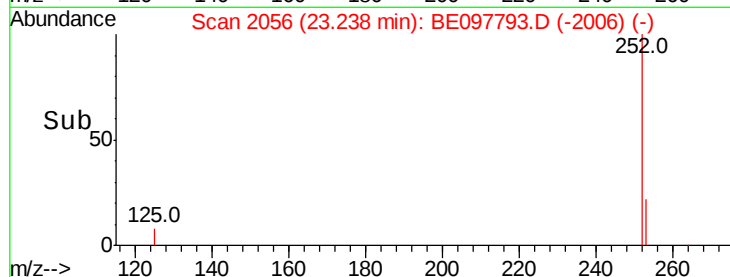
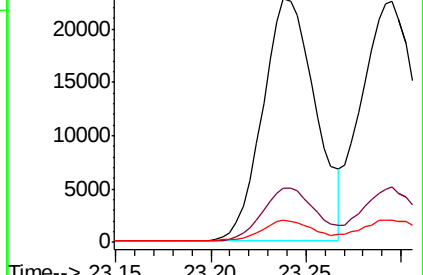
125 8.9 7.8 11.8



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

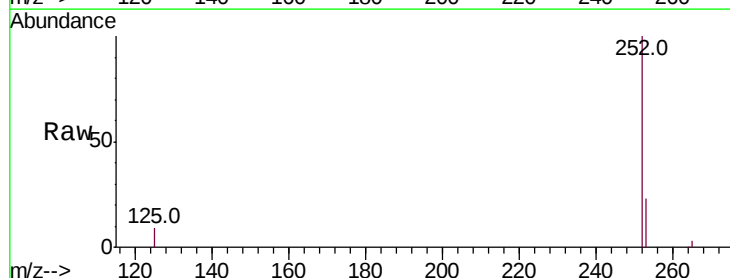
Tgt Ion:252 Resp: 48430

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

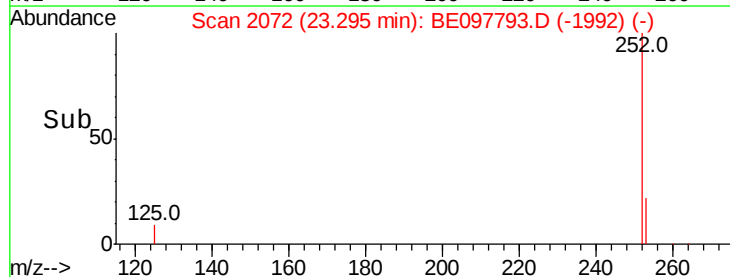
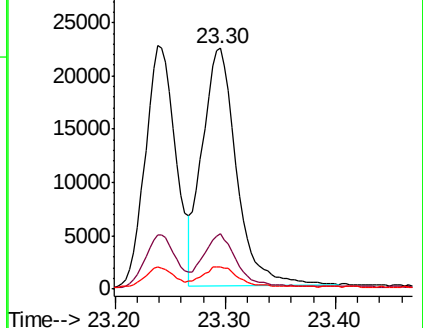
125 9.5 7.5 11.3

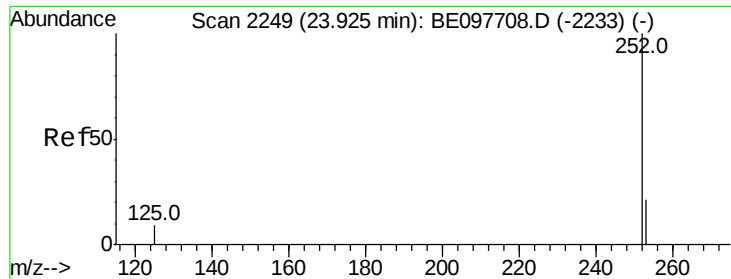


Abundance Ion 252.00 (251.70 to 252.70): E

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

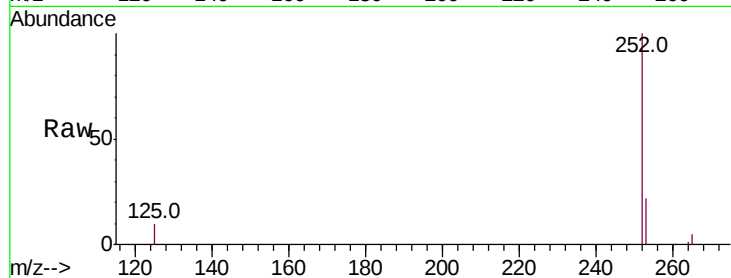
Tot Ion:252 Resp: 39112

Ion Ratio Lower Upper

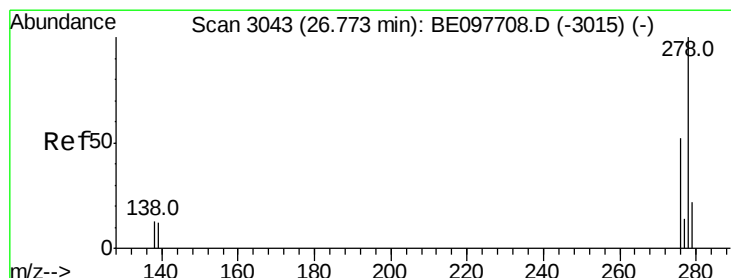
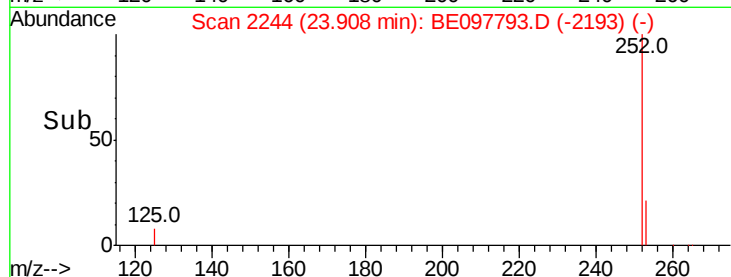
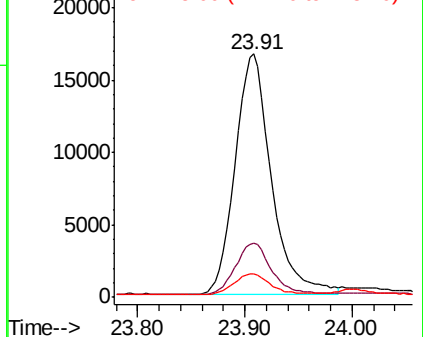
252 100

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

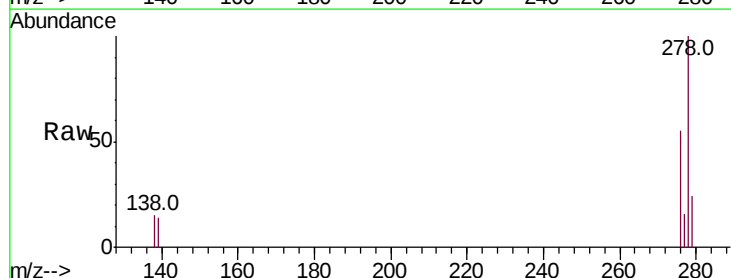
Tgt Ion:278 Resp: 36203

Ion Ratio Lower Upper

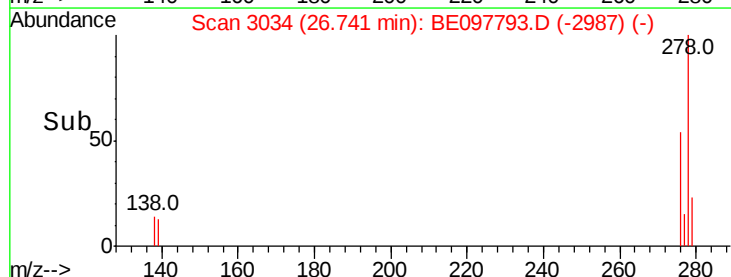
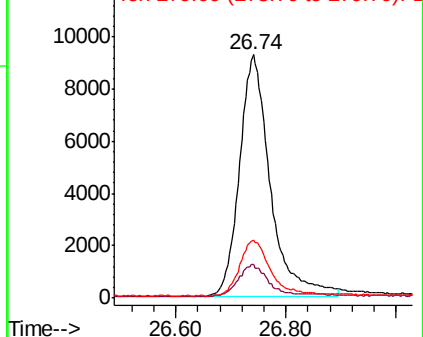
278 100

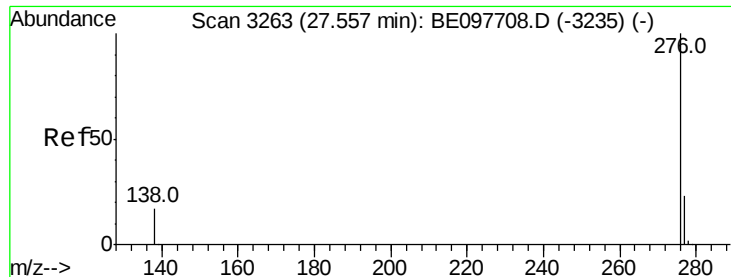
139 13.8 10.3 15.5

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(a,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

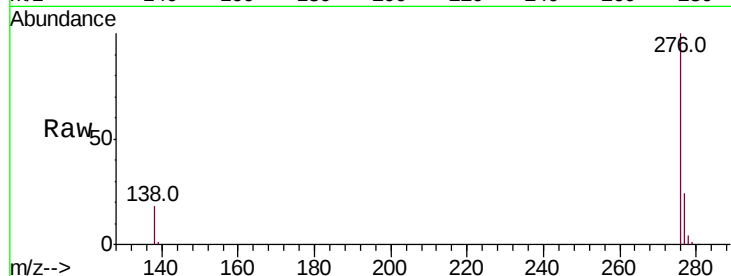
Tot Ion:276 Resp: 38058

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

