

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101618\
 Data File : BE097927.D
 Acq On : 17 Oct 2018 1:38
 Operator : SJ/JU
 Sample : J5317-04MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-122D3-20181004MSD

Quant Time: Oct 17 08:27:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 15:36:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1827	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	7982	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	5168	0.40	ng	-0.01
19) Phenanthrene-d10	17.29	188	15583	0.40	ng	-0.01
27) Chrysene-d12	21.48	240	19486	0.40	ng	-0.01
34) Perylene-d12	24.03	264	16425	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	1211	0.21	ng	0.00
5) Phenol-d6	7.06	99	1077	0.13	ng	0.00
8) Nitrobenzene-d5	9.03	82	3196	0.42	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	9750	0.73	ng	-0.01
14) 2,4,6-Tribromophenol	16.04	330	1192	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	10093	0.48	ng	0.00
25) Fluoranthene-d10	19.33	212	96984	0.46	ng	0.00
29) Terphenyl-d14	19.92	244	26167	0.59	ng	0.00

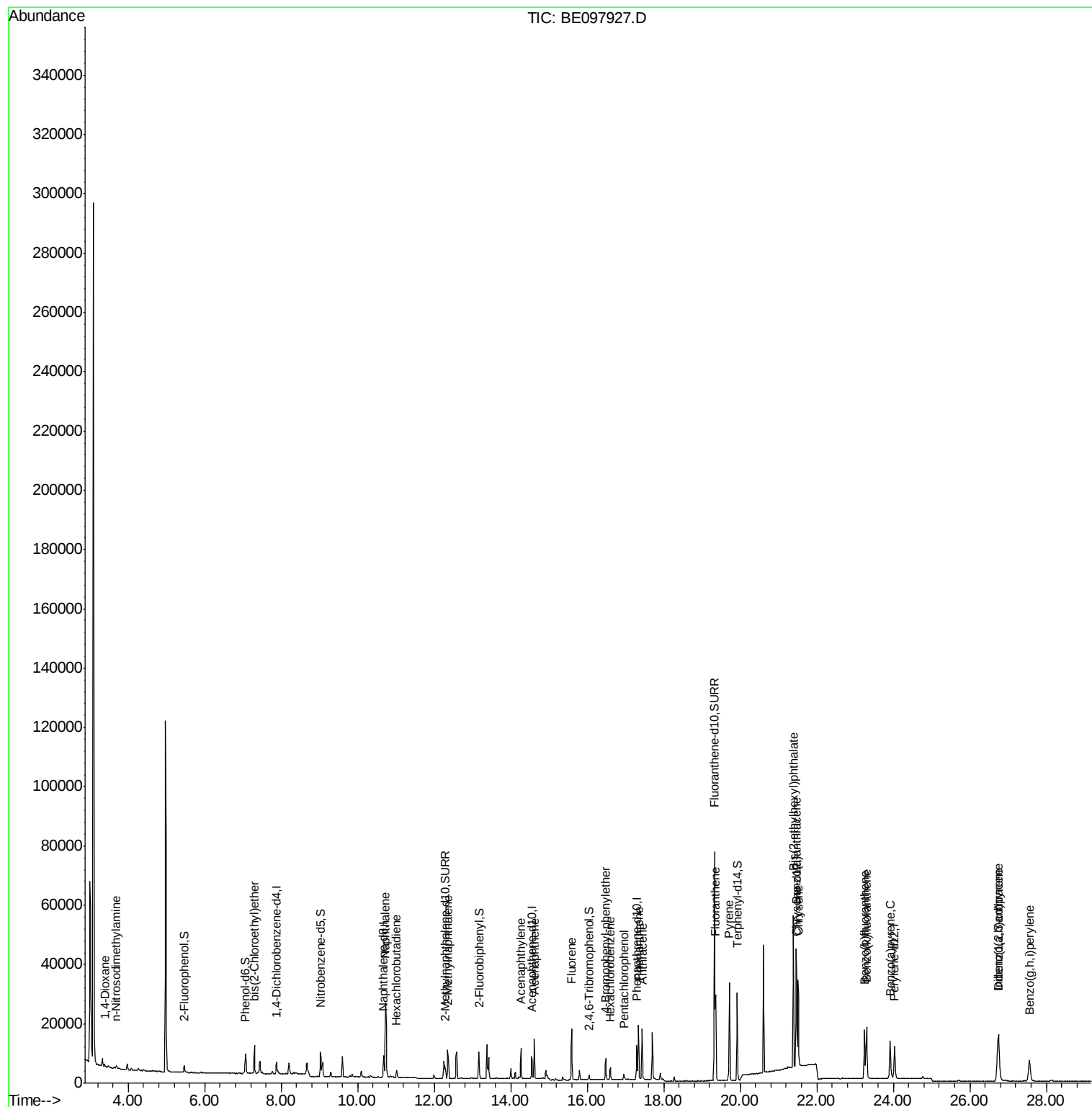
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	507	0.159	ng	# 55
3) n-Nitrosodimethylamine	3.69	42	710	0.200	ng	95
6) bis(2-Chloroethyl)ether	7.30	93	3130	0.433	ng	96
9) Naphthalene	10.73	128	40249	0.506	ng	100
10) Hexachlorobutadiene	11.02	225	1763	0.412	ng	98
12) 2-Methylnaphthalene	12.35	142	7097	0.521	ng	97
16) Acenaphthylene	14.27	152	11695	0.490	ng	99
17) Acenaphthene	14.62	154	6934	0.475	ng	98
18) Fluorene	15.59	166	10364	0.516	ng	99
20) 4-Bromophenyl-phenylether	16.49	248	3994	0.469	ng	# 86
21) Hexachlorobenzene	16.60	284	3437	0.410	ng	99
22) Pentachlorophenol	16.95	266	1266	0.584	ng	92
23) Phenanthrene	17.34	178	19568	0.494	ng	100
24) Anthracene	17.43	178	18789	0.502	ng	99
26) Fluoranthene	19.35	202	28470	0.548	ng	97
28) Pyrene	19.72	202	29157	0.519	ng	99
30) Benzo(a)anthracene	21.46	228	29303	0.490	ng	98
31) Chrysene	21.51	228	28343	0.501	ng	97
32) Bis(2-ethylhexyl)phthalate	21.39	149	58707	0.431	ng	100
33) Indeno(1,2,3-cd)pyrene	26.73	276	24891	0.398	ng	99
35) Benzo(b)fluoranthene	23.25	252	24094	0.510	ng	# 91
36) Benzo(k)fluoranthene	23.30	252	24094	0.489	ng	# 91
37) Benzo(a)pyrene	23.92	252	21048	0.457	ng	# 92
38) Dibenzo(a,h)anthracene	26.75	278	21486	0.476	ng	# 93
39) Benzo(g,h,i)perylene	27.55	276	17497	0.379	ng	95

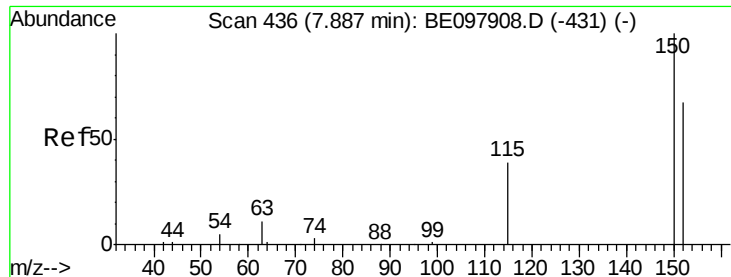
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 436

Delta R.T. -0.00 min

Lab File: BE097927.D

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Instrument :

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ClientSampleId :

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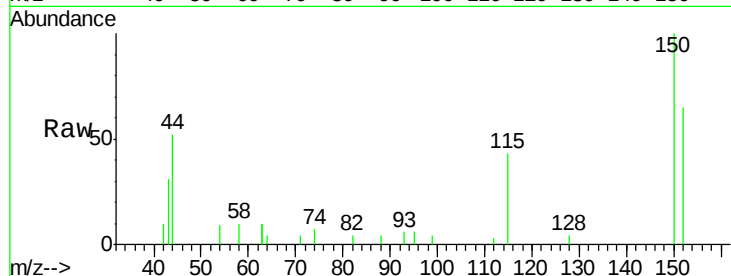
Tgt Ion: 152 Resp: 1827

Ion Ratio Lower Upper

152 100

150 153.1 118.2 177.4

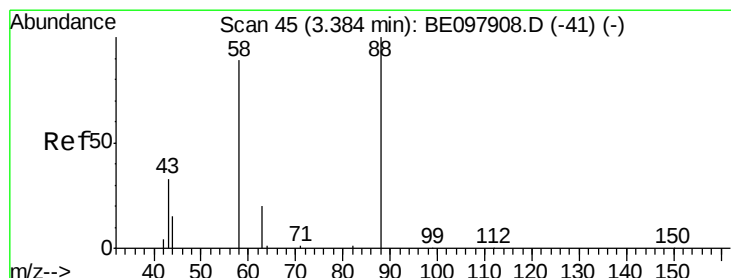
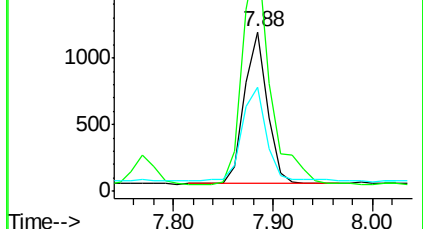
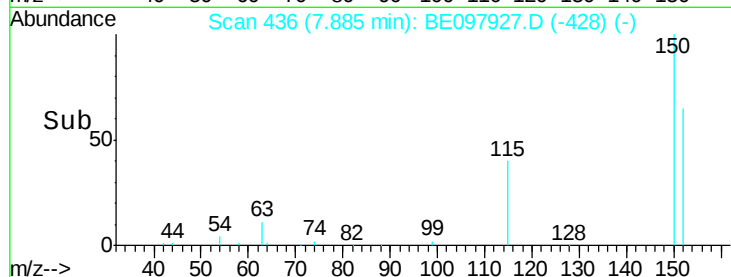
115 65.5 50.9 76.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.159 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

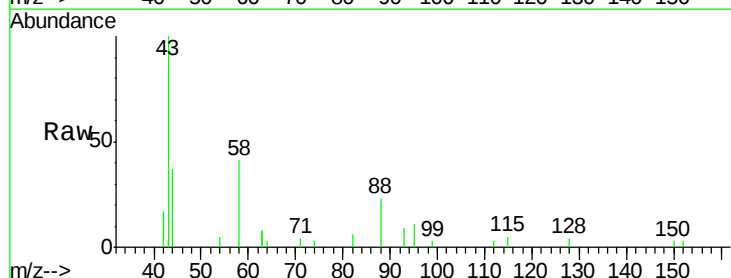
Tgt Ion: 88 Resp: 507

Ion Ratio Lower Upper

88 100

58 101.6 73.2 109.8

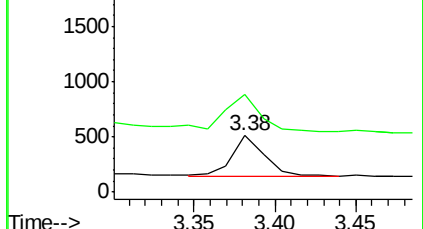
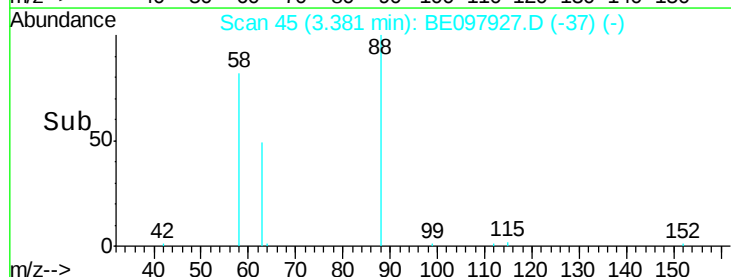
43 120.1 36.9 55.3#

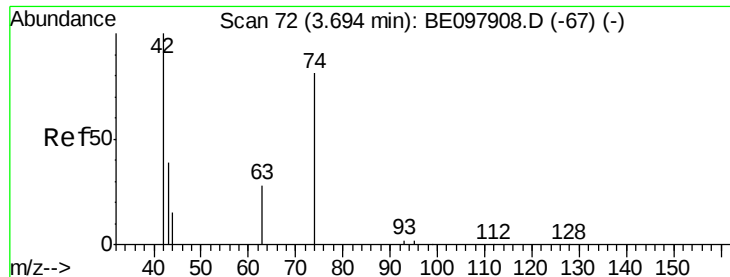


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.200 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

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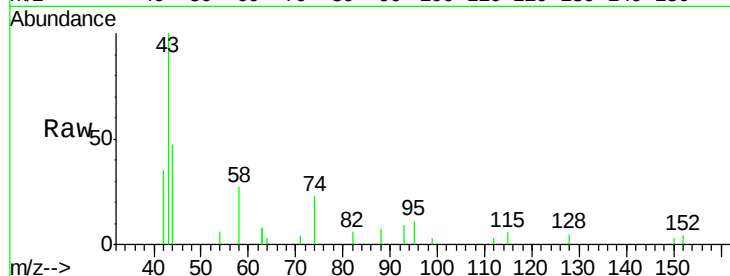
Tgt Ion: 42 Resp: 710

Ion Ratio Lower Upper

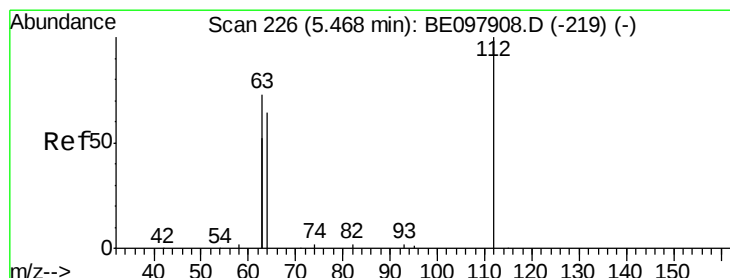
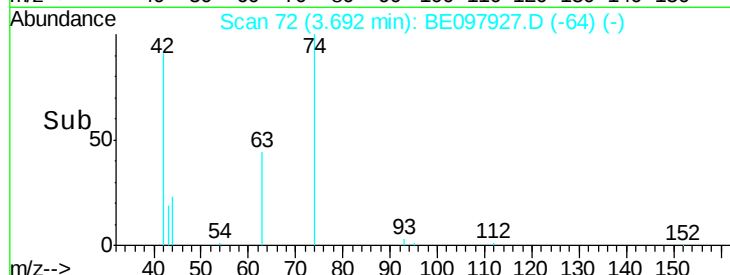
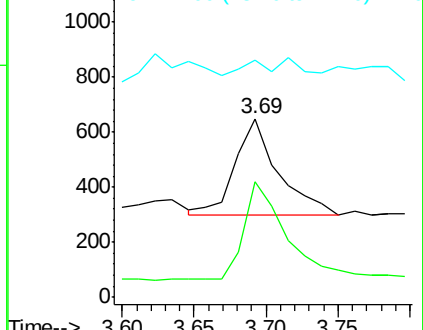
42 100

74 102.0 77.6 116.4

44 8.3 7.6 11.4



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: BE097927.D

Acq: 17 Oct 2018 1:38

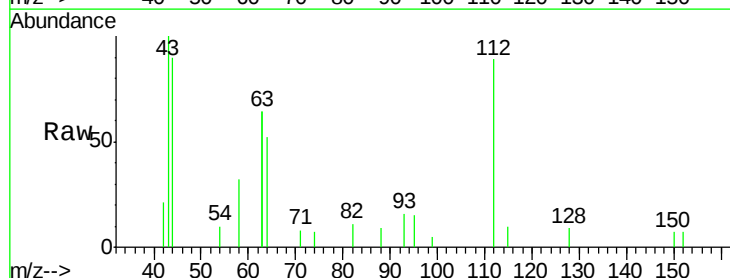
Tgt Ion: 112 Resp: 1211

Ion Ratio Lower Upper

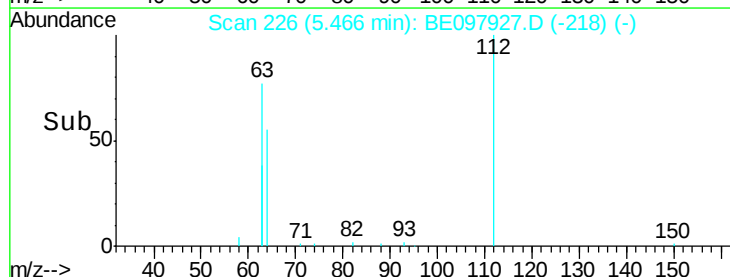
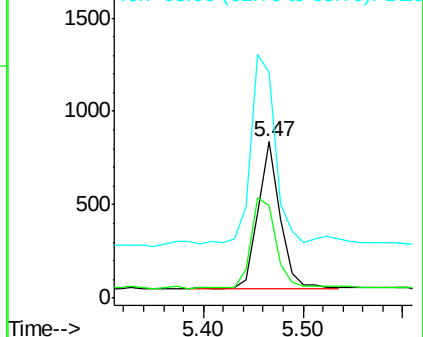
112 100

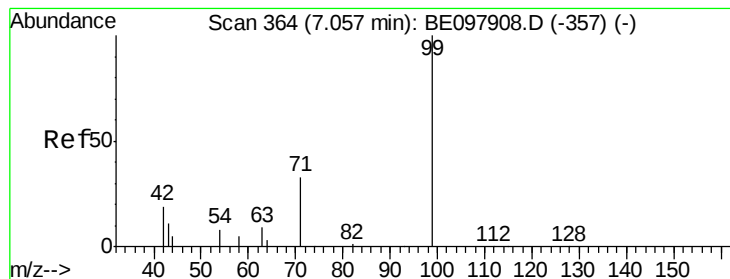
64 69.6 58.9 88.3

63 141.2 120.3 180.5



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: 0.127 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

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RE-122D3-20181004MSD

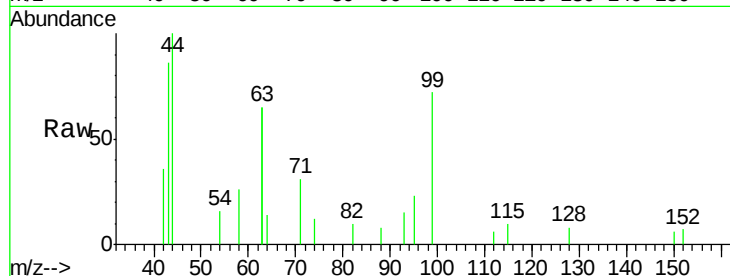
Tgt Ion: 99 Resp: 1077

Ion Ratio Lower Upper

99 100

42 63.3 19.9 29.9#

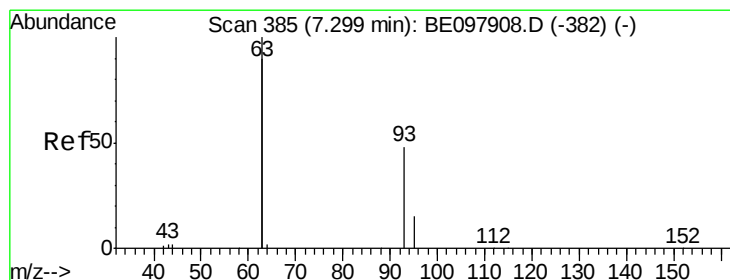
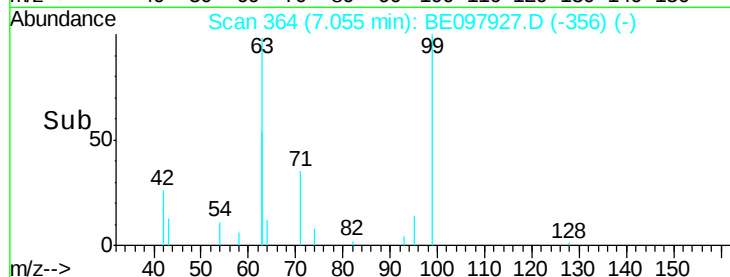
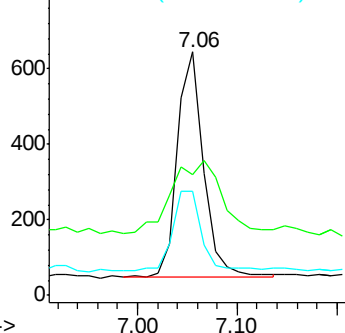
71 0.0 27.8 41.8#



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: 0.433 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

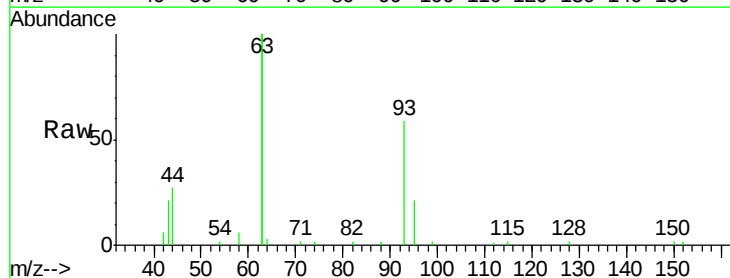
Tgt Ion: 93 Resp: 3130

Ion Ratio Lower Upper

93 100

63 332.4 259.0 388.4

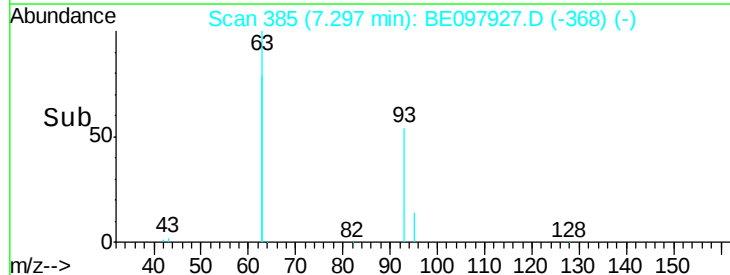
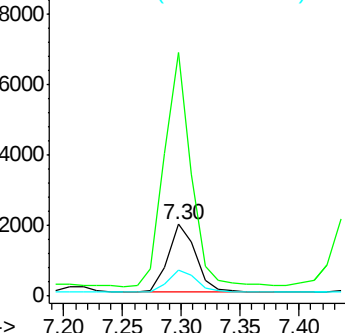
95 33.2 27.8 41.8

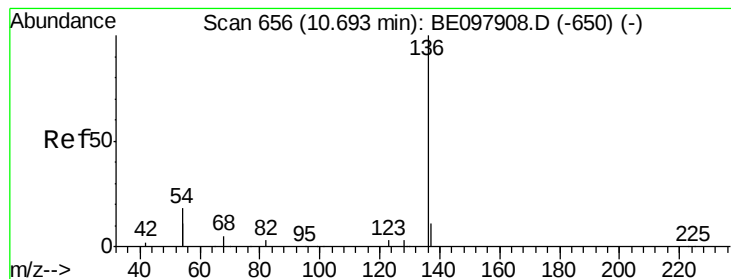


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

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RE-122D3-20181004MSD

Tgt Ion: 136 Resp: 7982

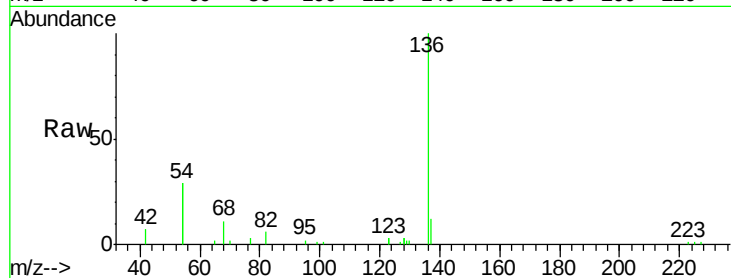
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 57.7 27.7 41.5#

68 10.9 5.3 7.9#

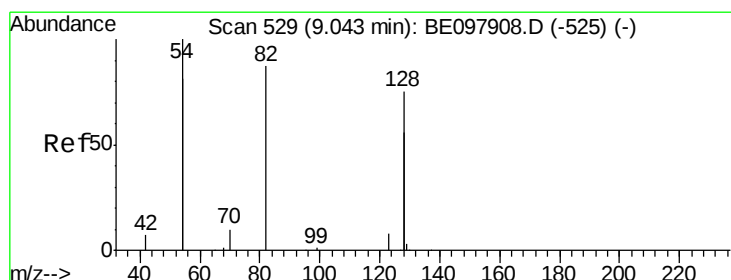
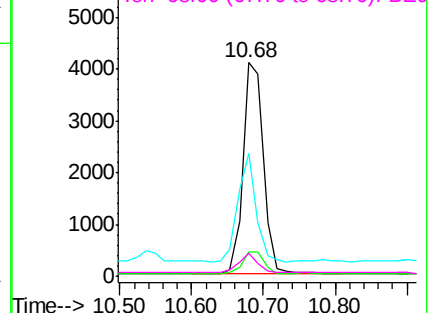
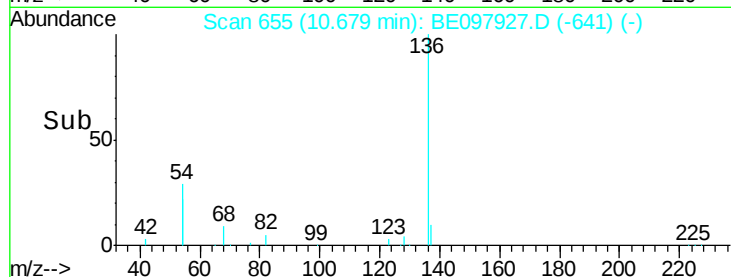


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.423 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

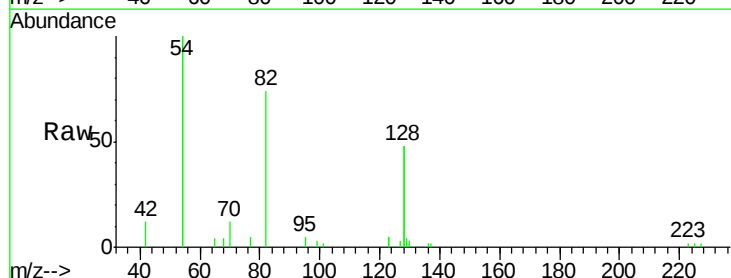
Tgt Ion: 82 Resp: 3196

Ion Ratio Lower Upper

82 100

128 130.4 129.9 194.9

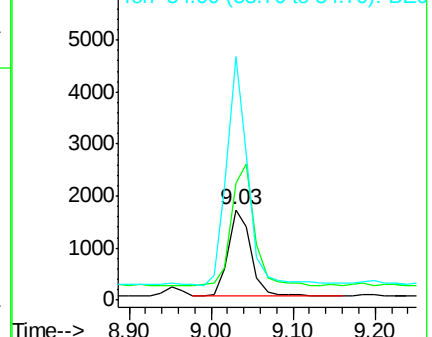
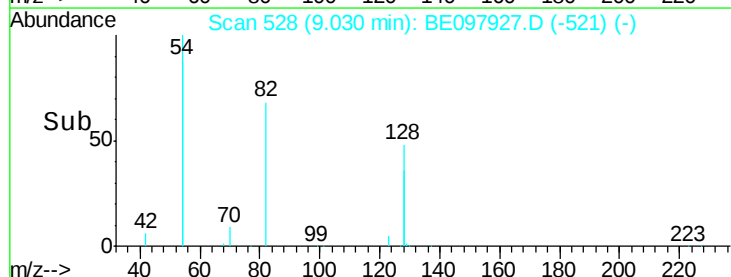
54 270.2 174.0 261.0#

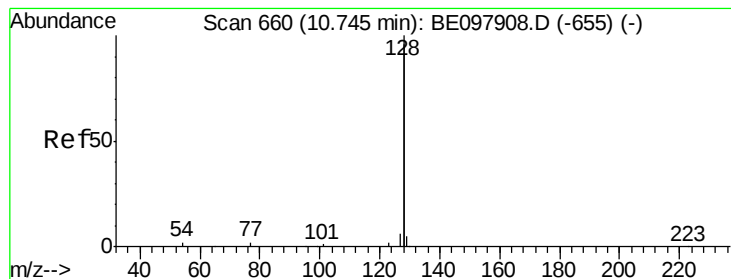


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.506 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

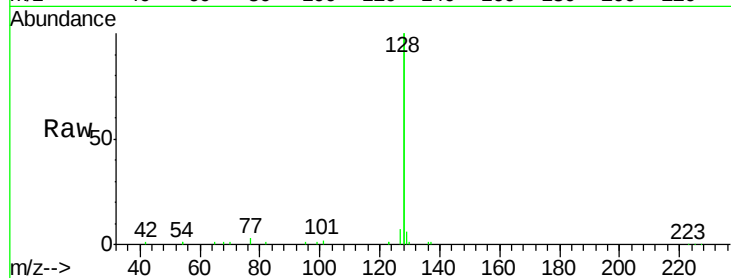
Tgt Ion:128 Resp: 40249

Ion Ratio Lower Upper

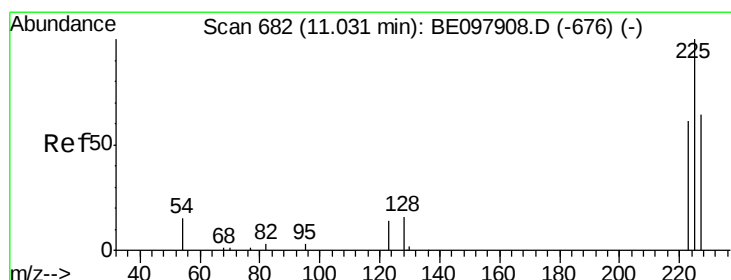
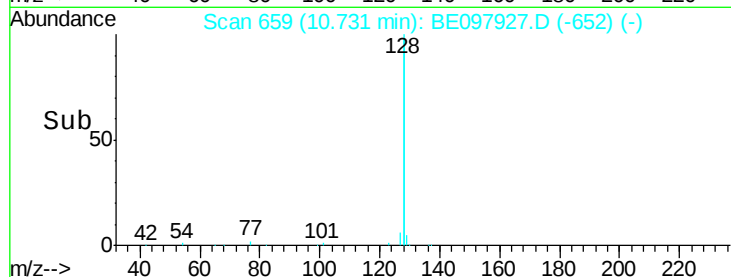
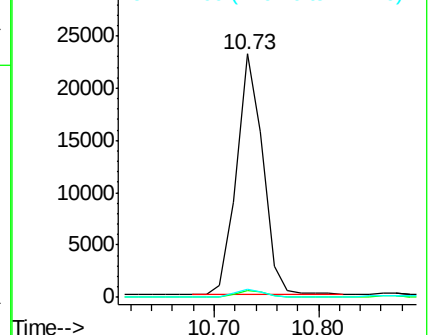
128 100

129 3.0 2.5 3.7

127 3.5 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.412 ng

RT: 11.02 min Scan# 681

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

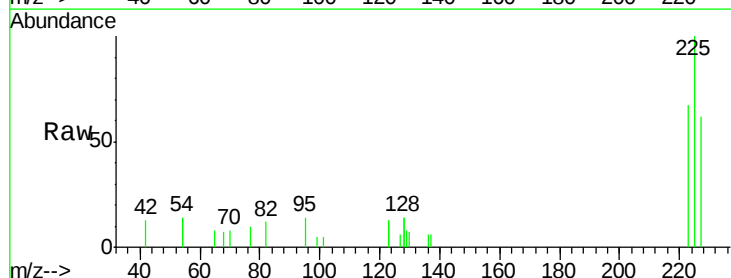
Tgt Ion:225 Resp: 1763

Ion Ratio Lower Upper

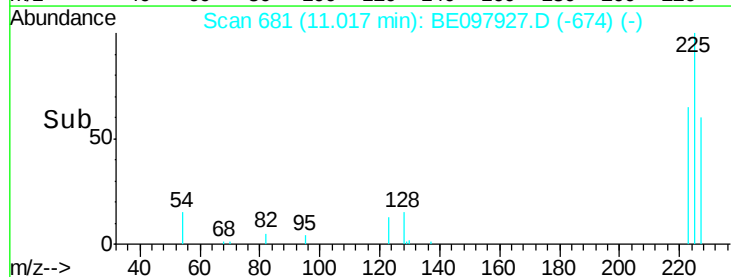
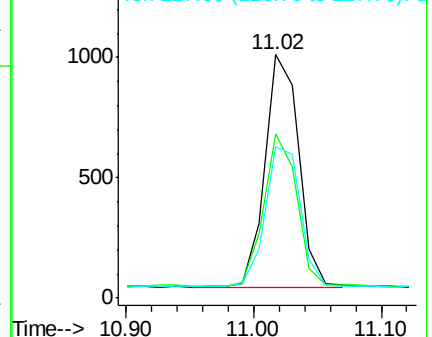
225 100

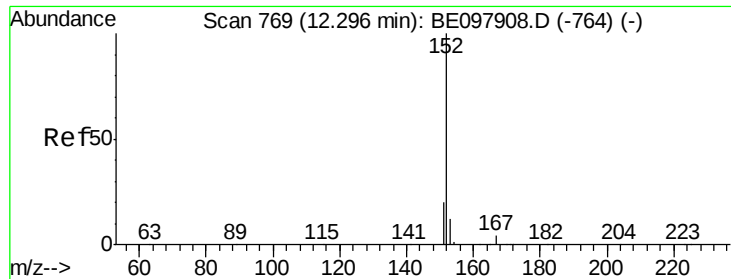
223 64.7 51.8 77.8

227 62.9 53.0 79.6



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

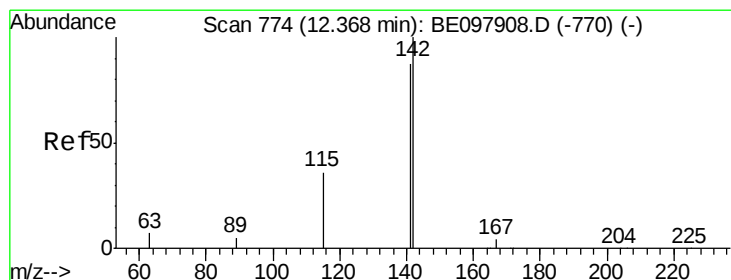
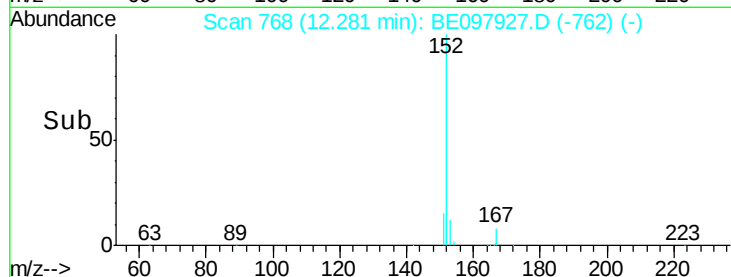
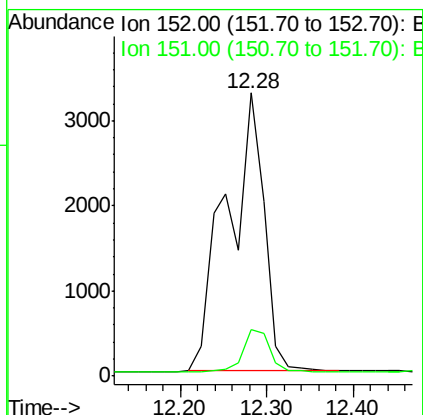
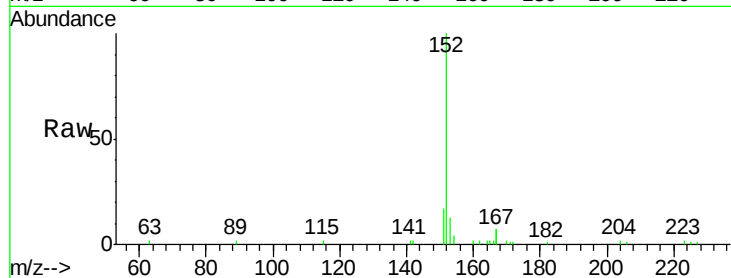




#11
2-Methylnaphthalene-d10
Concen: 0.734 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE097927.D
Acq: 17 Oct 2018 1:38

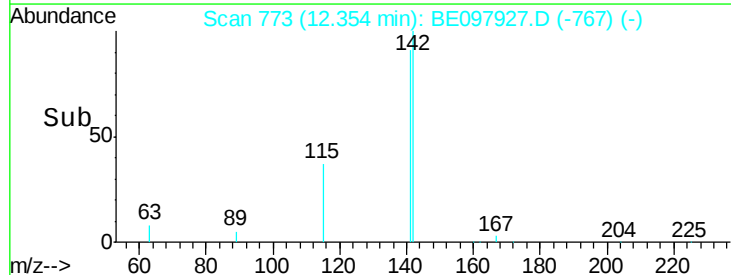
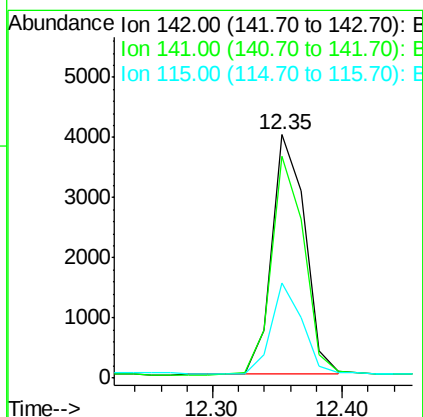
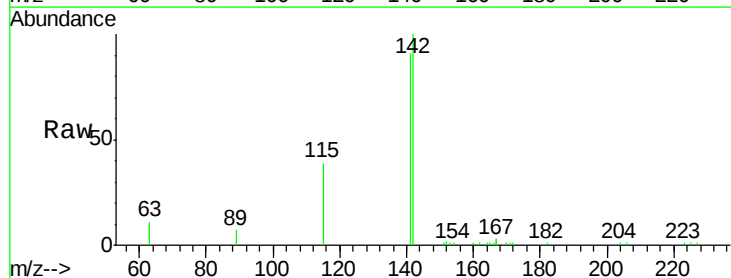
Instrument :
BNA_E
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RE-122D3-20181004MSD

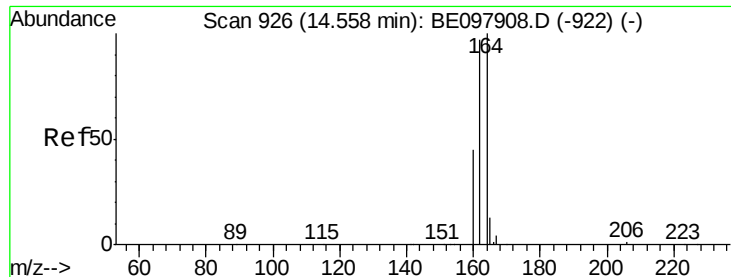
Tgt Ion:152 Resp: 9750
Ion Ratio Lower Upper
152 100
151 11.0 16.2 24.4#



#12
2-Methylnaphthalene
Concen: 0.521 ng
RT: 12.35 min Scan# 773
Delta R.T. -0.01 min
Lab File: BE097927.D
Acq: 17 Oct 2018 1:38

Tgt Ion:142 Resp: 7097
Ion Ratio Lower Upper
142 100
141 91.2 69.8 104.6
115 39.0 30.5 45.7

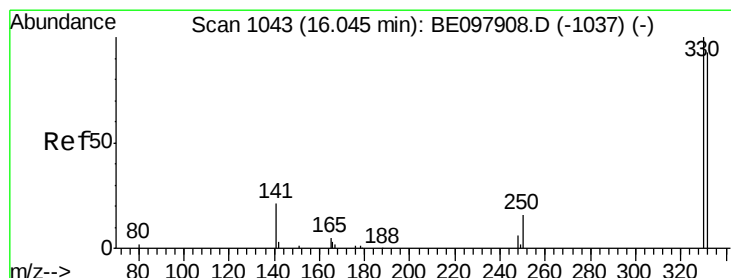
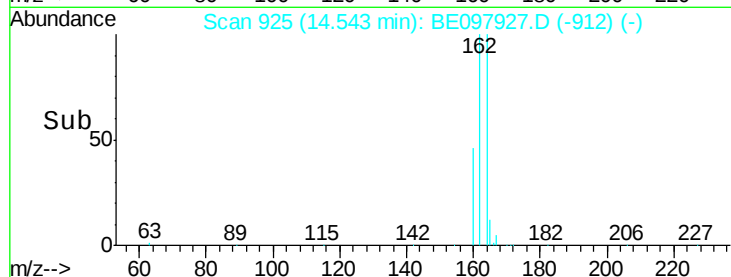
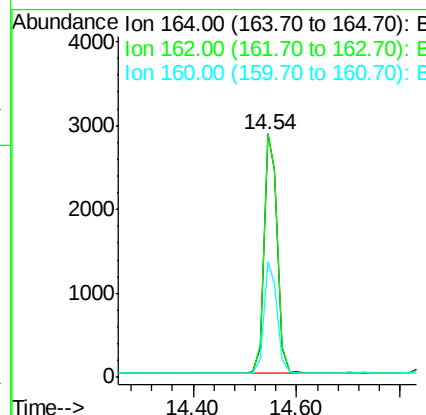
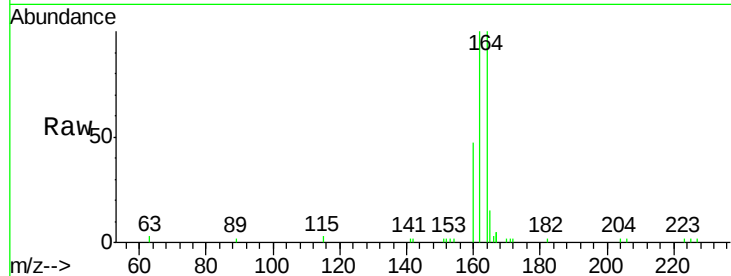




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BE097927.D
 Acq: 17 Oct 2018 1:38

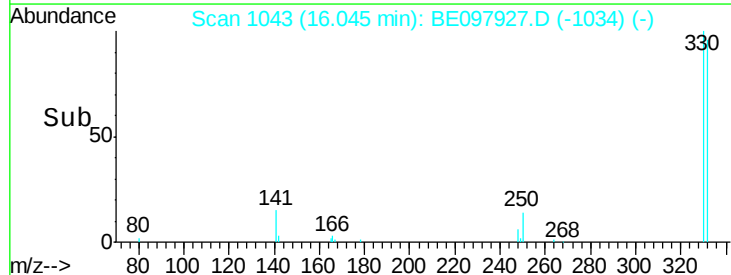
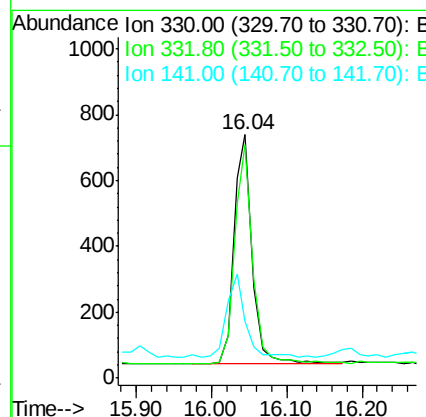
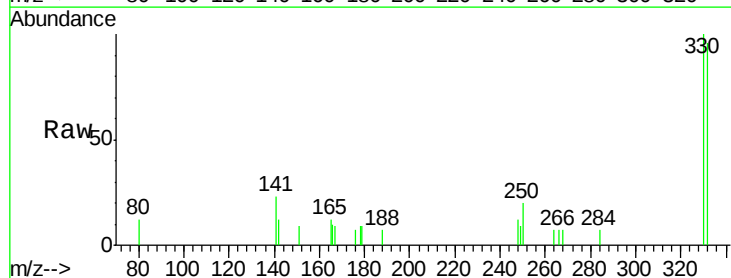
Instrument :
 BNA_E
 ClientSampleId :
 RE-122D3-20181004MSD

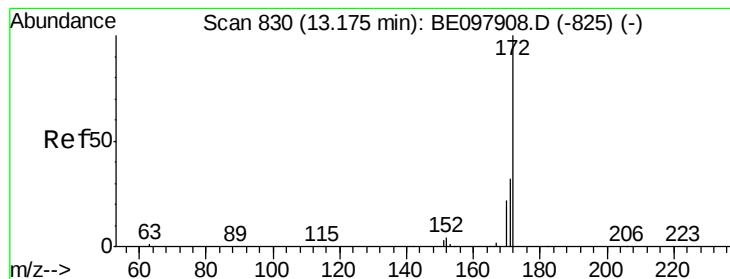
Tgt Ion:164 Resp: 5168
 Ion Ratio Lower Upper
 164 100
 162 100.1 77.4 116.2
 160 47.6 36.5 54.7



#14
 2,4,6-Tribromophenol
 Concen: 0.429 ng
 RT: 16.04 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BE097927.D
 Acq: 17 Oct 2018 1:38

Tgt Ion:330 Resp: 1192
 Ion Ratio Lower Upper
 330 100
 332 94.5 76.5 114.7
 141 38.3 31.8 47.6





#15

2-Fluorobiphenyl

Concen: 0.478 ng

RT: 13.17 min Scan# 830

Delta R.T. -0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

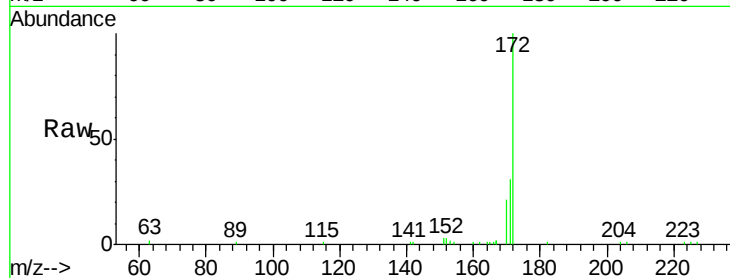
Tgt Ion:172 Resp: 10093

Ion Ratio Lower Upper

172 100

171 30.9 26.0 39.0

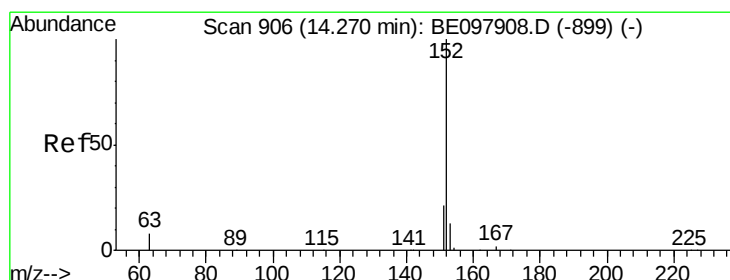
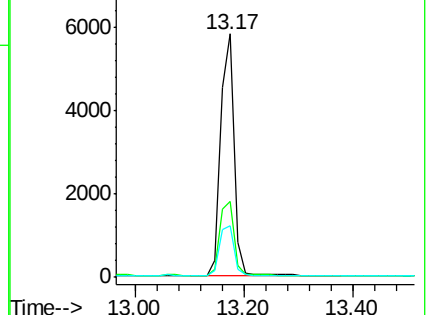
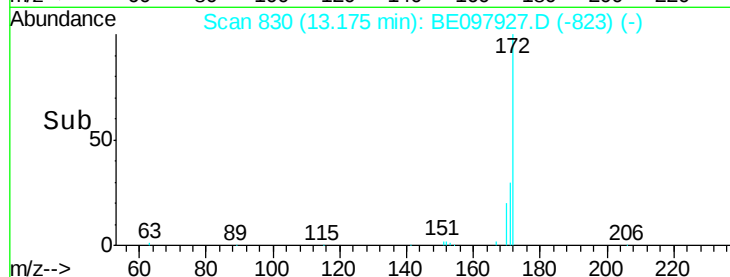
170 21.0 18.0 27.0



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: 0.490 ng

RT: 14.27 min Scan# 906

Delta R.T. -0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

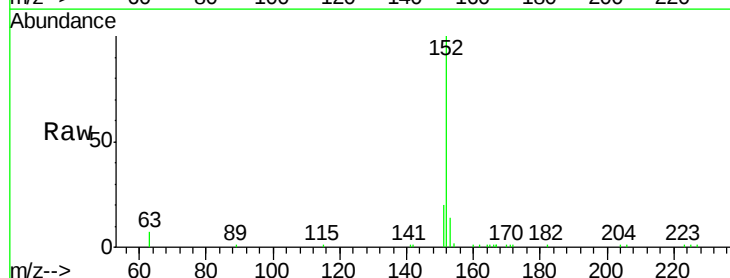
Tgt Ion:152 Resp: 11695

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

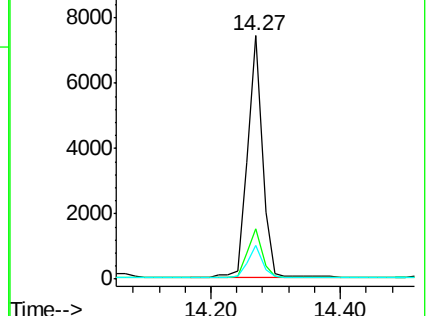
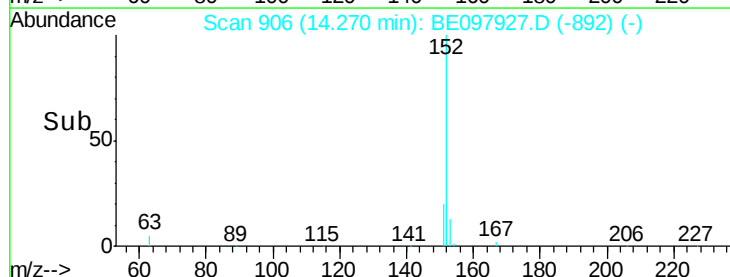
153 12.7 10.9 16.3

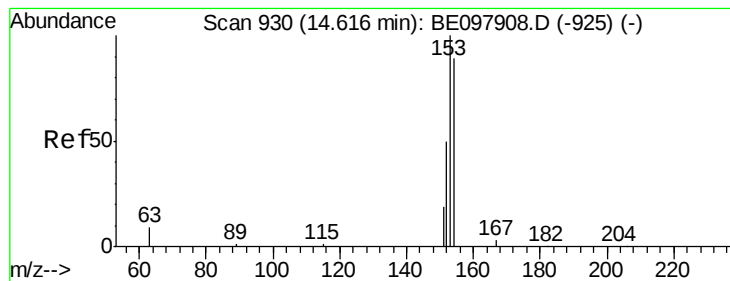


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.475 ng

RT: 14.62 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

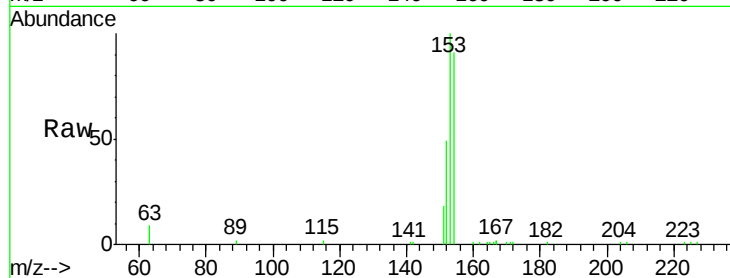
Tgt Ion:154 Resp: 6934

Ion Ratio Lower Upper

154 100

153 113.5 92.6 139.0

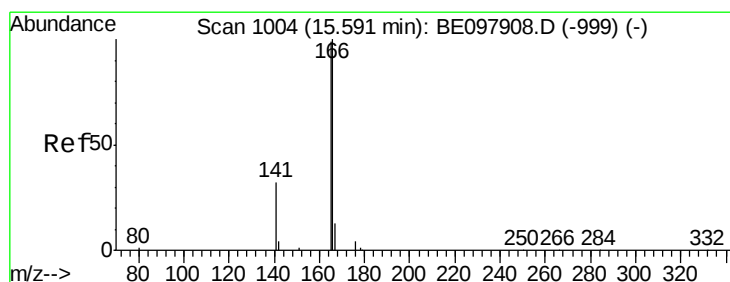
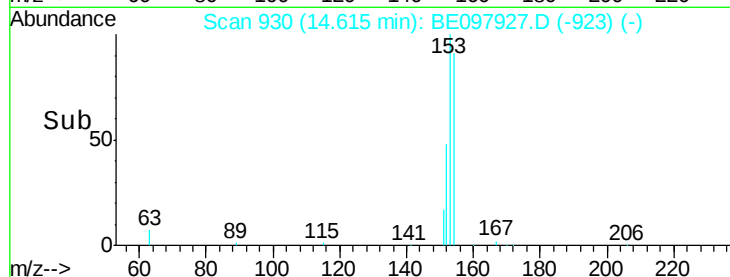
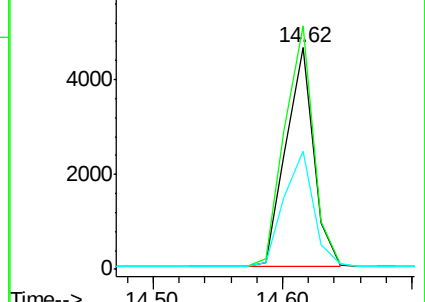
152 55.8 45.5 68.3



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: 0.516 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

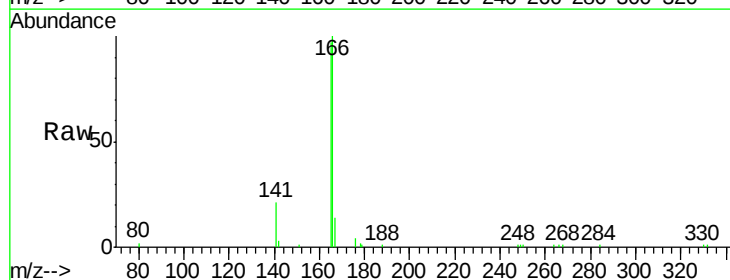
Tgt Ion:166 Resp: 10364

Ion Ratio Lower Upper

166 100

165 98.7 78.2 117.4

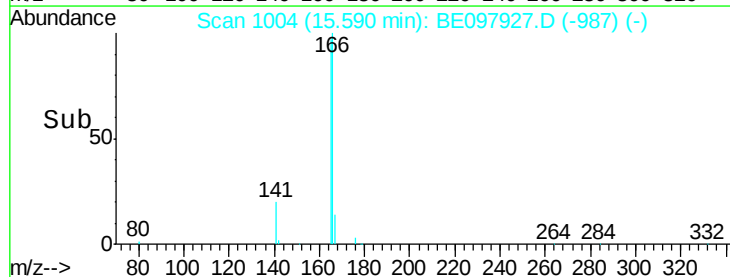
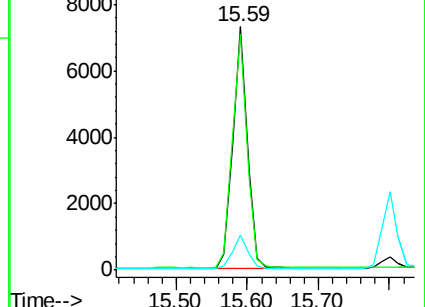
167 13.8 11.0 16.6

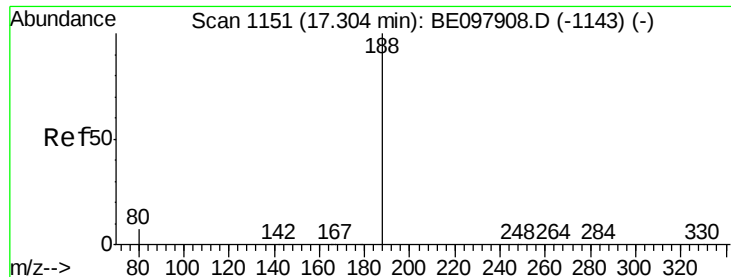


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

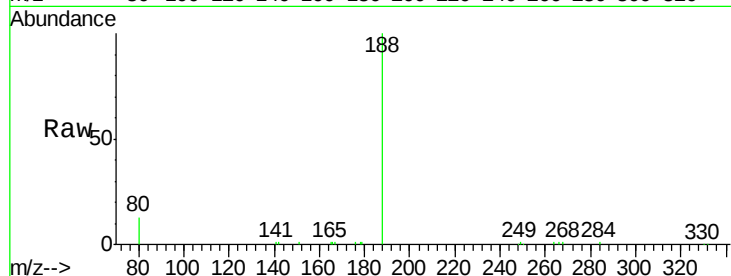
Tgt Ion:188 Resp: 15583

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

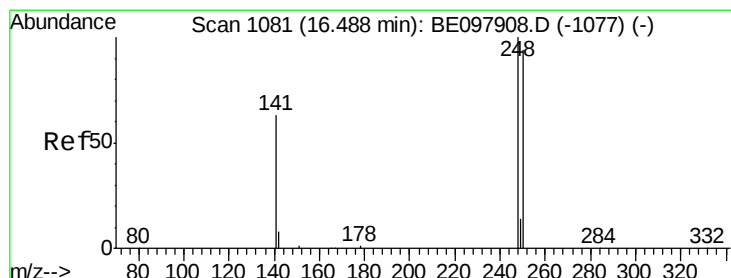
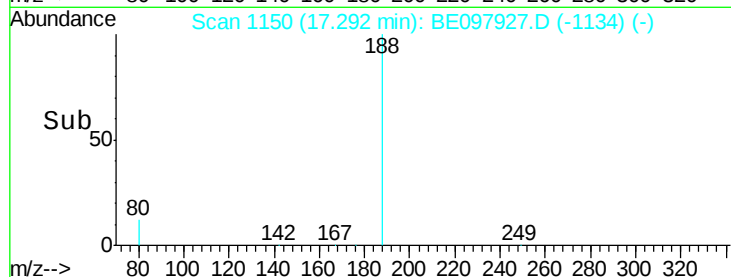
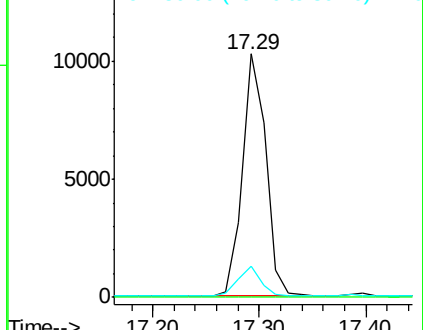
80 12.6 6.3 9.5#



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: 0.469 ng

RT: 16.49 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

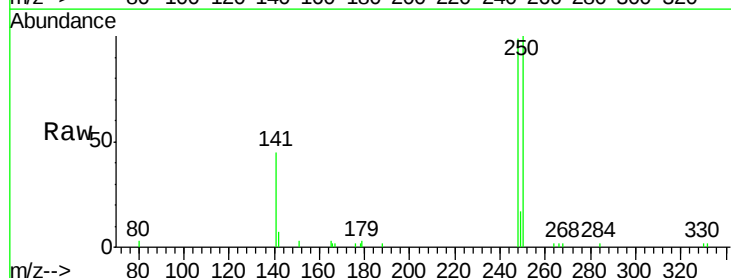
Tgt Ion:248 Resp: 3994

Ion Ratio Lower Upper

248 100

250 100.5 75.1 112.7

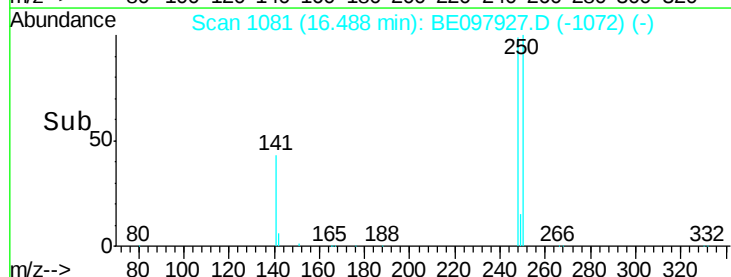
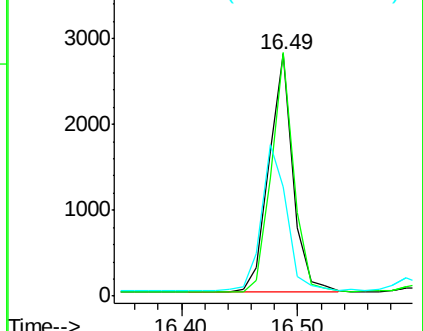
141 44.9 51.8 77.8#

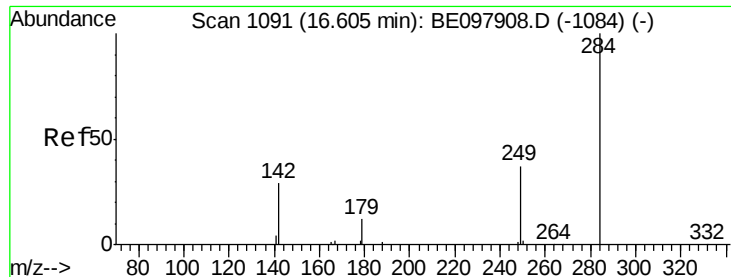


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.410 ng

RT: 16.60 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

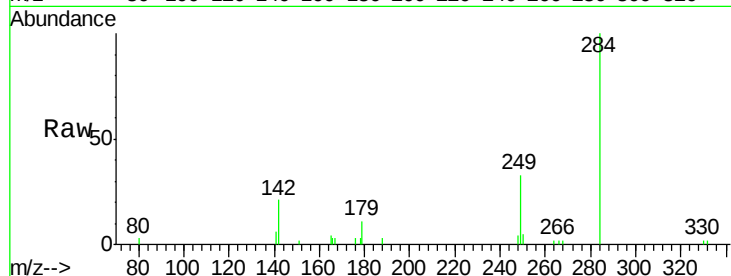
Tgt Ion:284 Resp: 3437

Ion Ratio Lower Upper

284 100

142 33.2 25.9 38.9

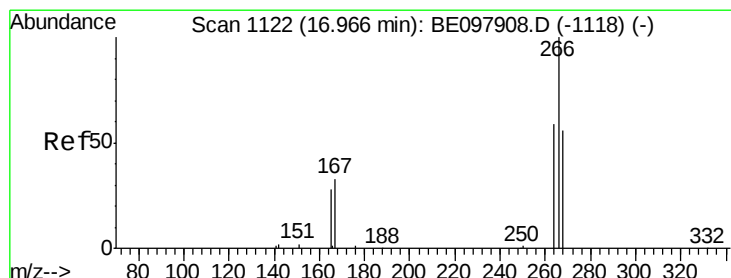
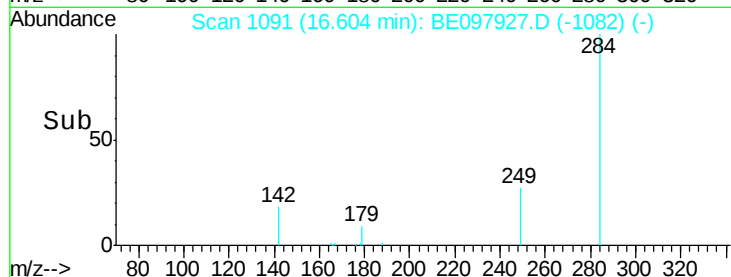
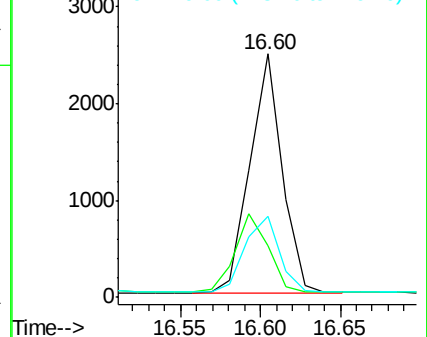
249 34.1 26.6 40.0



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: 0.584 ng

RT: 16.95 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

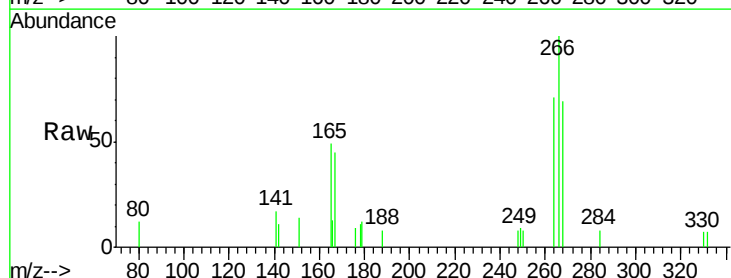
Tgt Ion:266 Resp: 1266

Ion Ratio Lower Upper

266 100

264 70.6 51.3 76.9

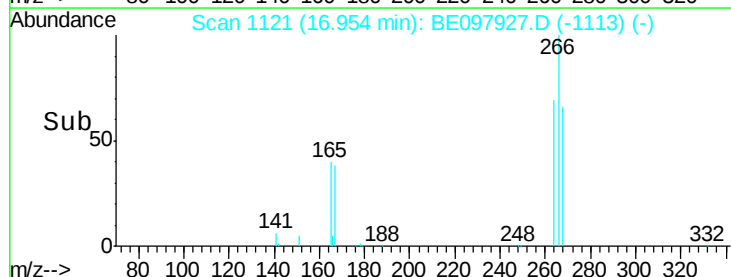
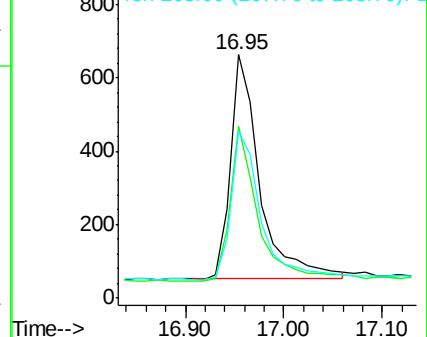
268 68.6 50.1 75.1

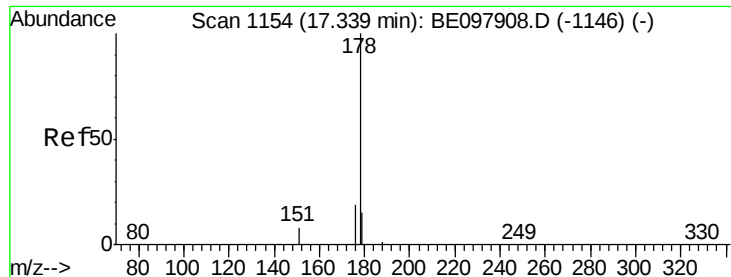


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.494 ng

RT: 17.34 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

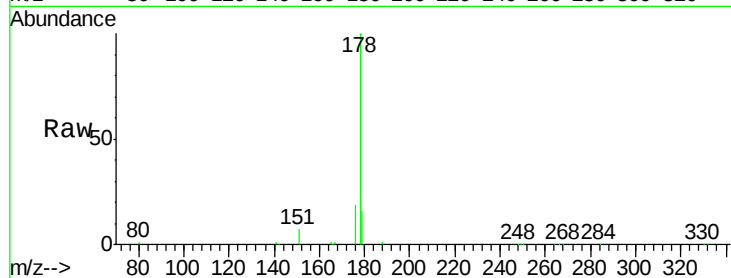
Tgt Ion:178 Resp: 19568

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

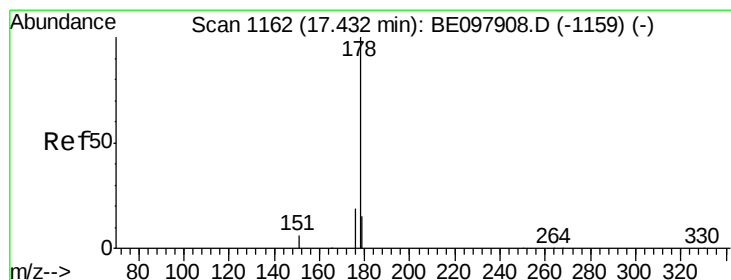
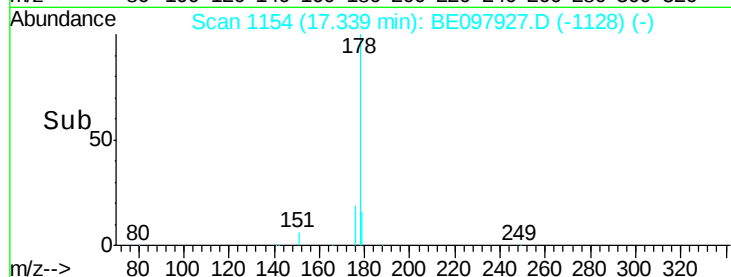
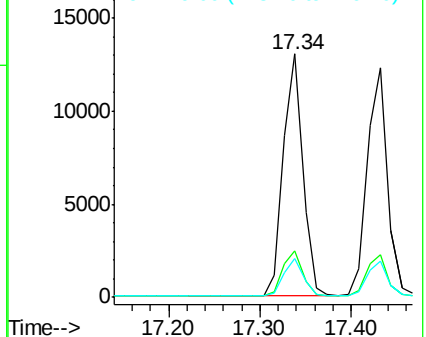
179 15.2 12.2 18.4



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: 0.502 ng

RT: 17.43 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

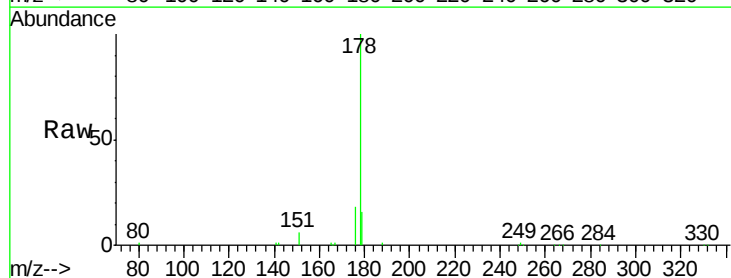
Tgt Ion:178 Resp: 18789

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

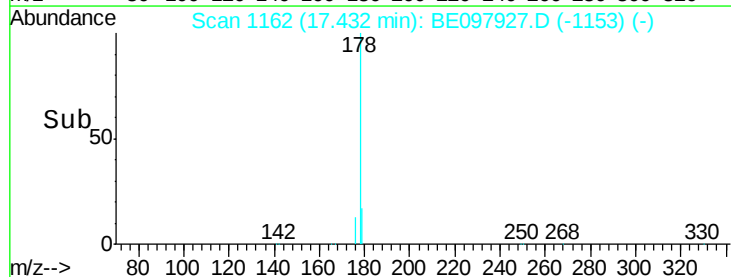
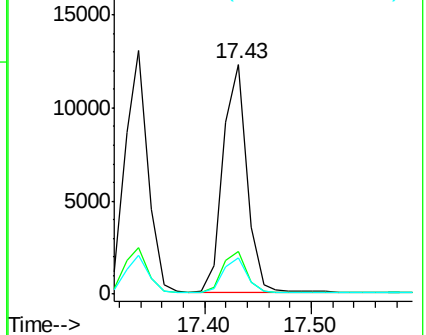
179 15.4 11.9 17.9

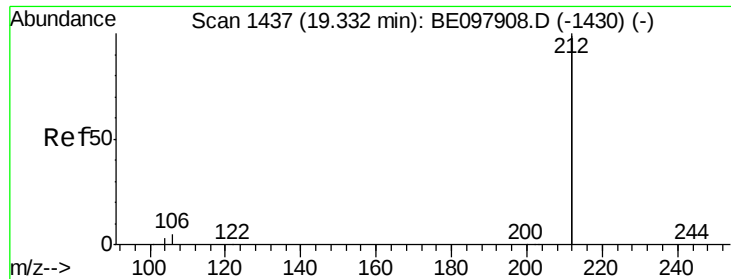


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.459 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

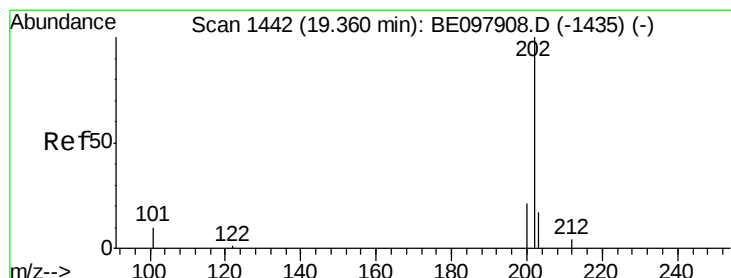
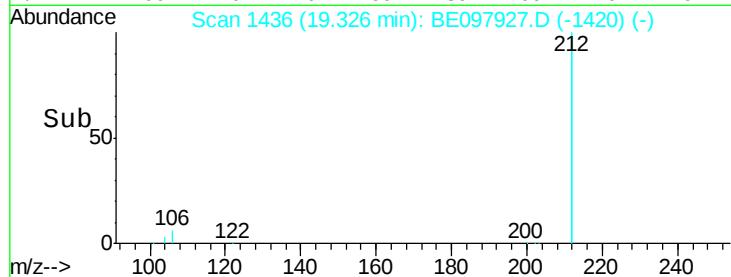
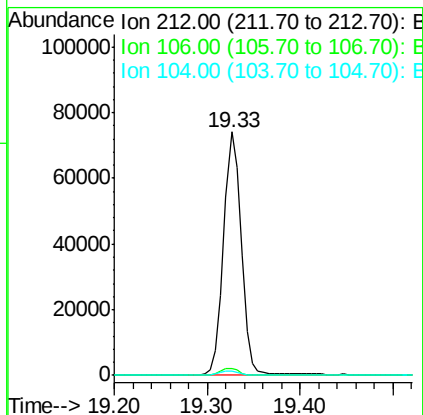
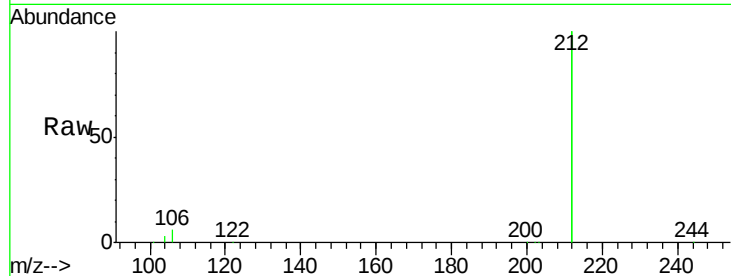
Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

Tgt Ion:	212	Resp:	96984
Ion Ratio	Lower	Upper	
212	100		
106	2.8	2.3	3.5
104	1.6	1.3	1.9



#26

Fluoranthene

Concen: 0.548 ng

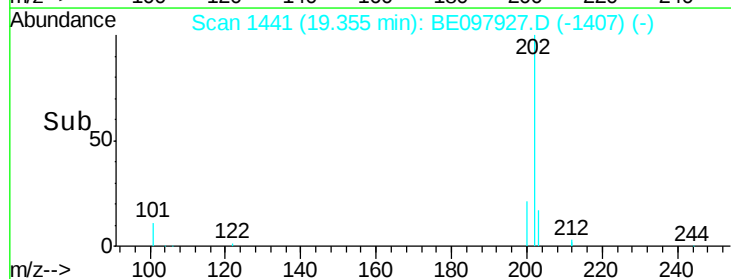
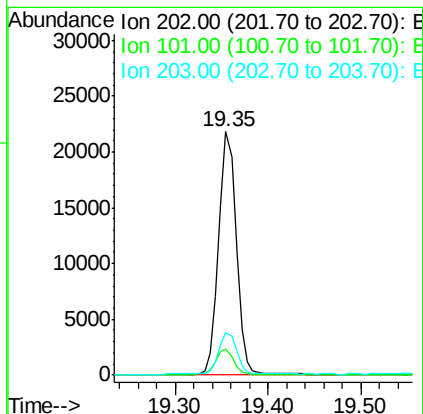
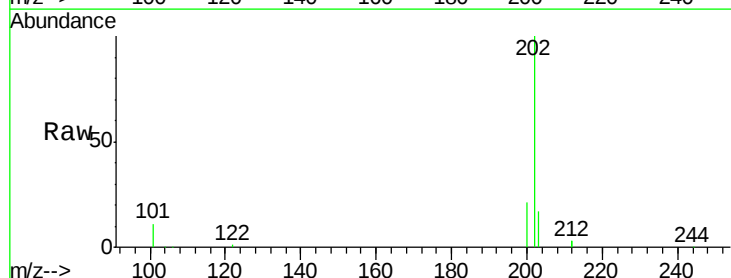
RT: 19.35 min Scan# 1441

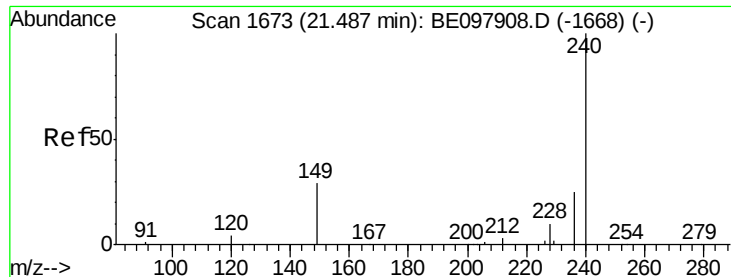
Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Tgt Ion:	202	Resp:	28470
Ion Ratio	Lower	Upper	
202	100		
101	10.5	8.2	12.2
203	17.1	15.0	22.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.48 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

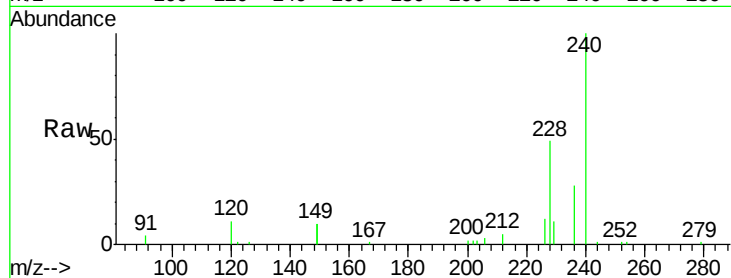
Tgt Ion:240 Resp: 19486

Ion Ratio Lower Upper

240 100

120 11.1 7.1 10.7#

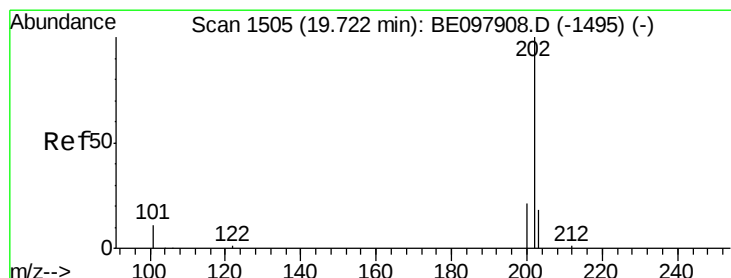
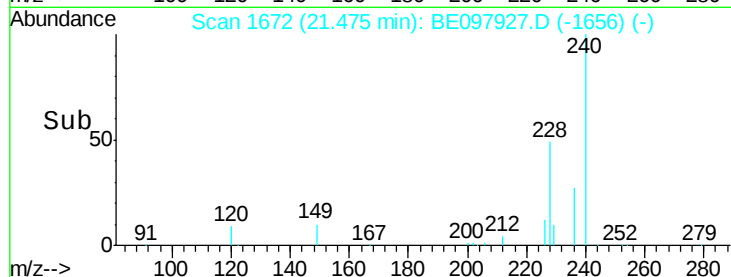
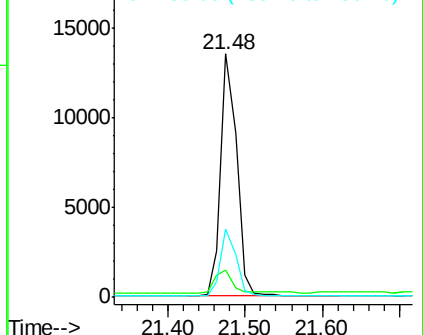
236 27.8 21.3 31.9



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: 0.519 ng

RT: 19.72 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

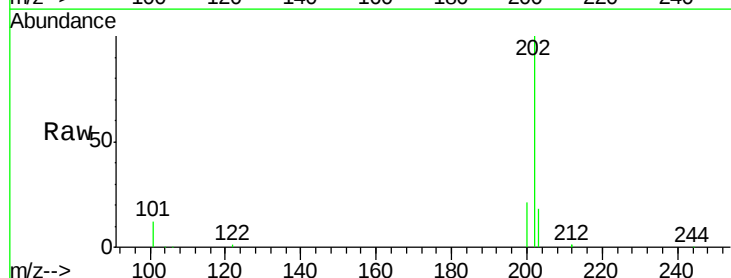
Tgt Ion:202 Resp: 29157

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

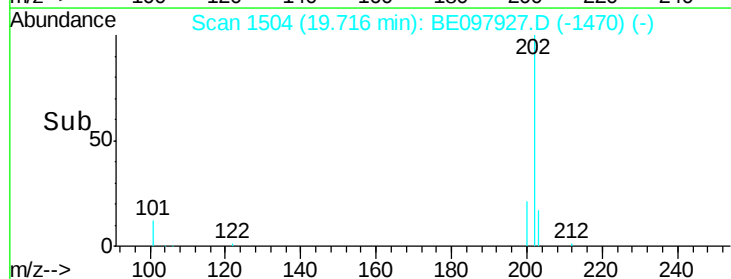
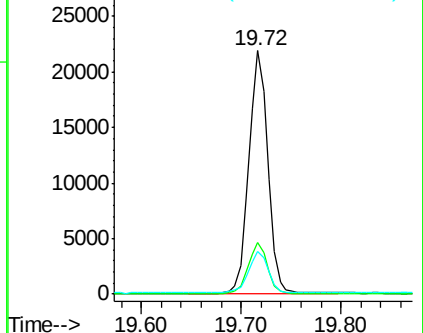
203 18.1 14.2 21.4

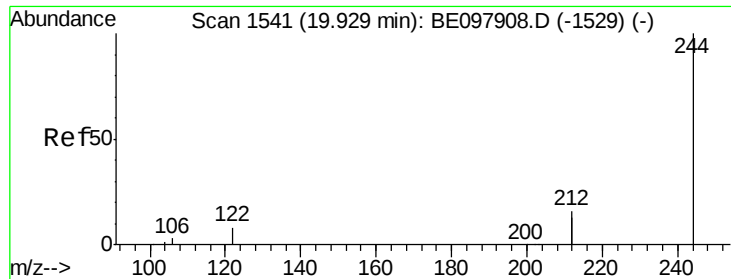


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.586 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

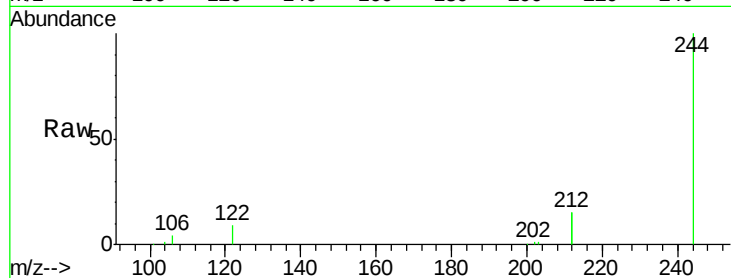
Tgt Ion:244 Resp: 26167

Ion Ratio Lower Upper

244 100

212 29.8 26.2 39.2

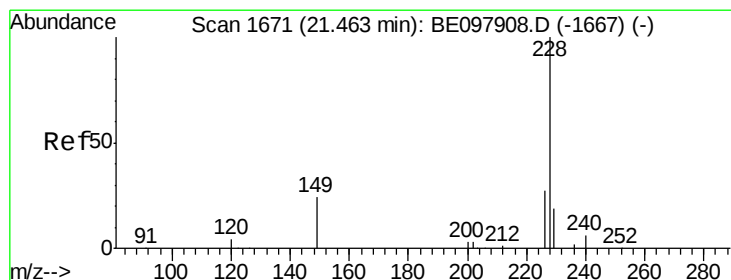
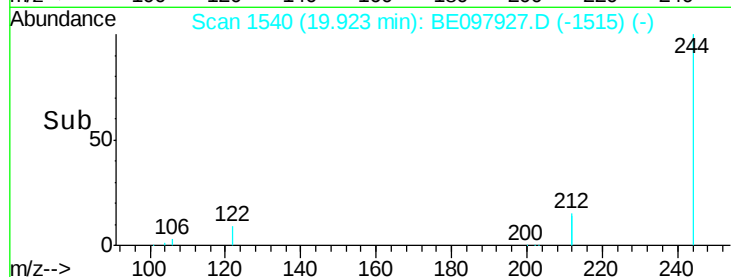
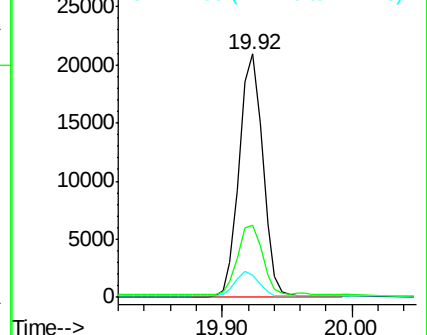
122 9.4 7.7 11.5



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: 0.490 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

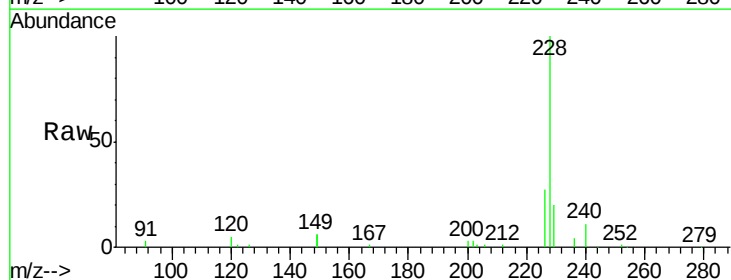
Tgt Ion:228 Resp: 29303

Ion Ratio Lower Upper

228 100

226 26.5 22.6 33.8

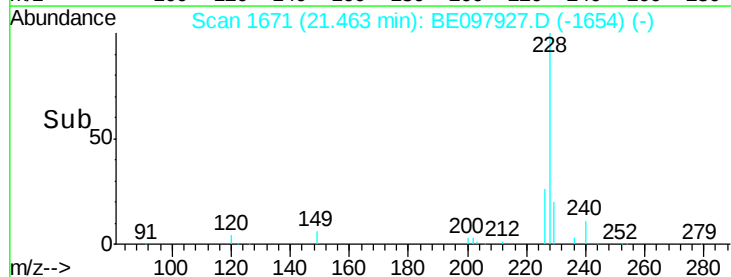
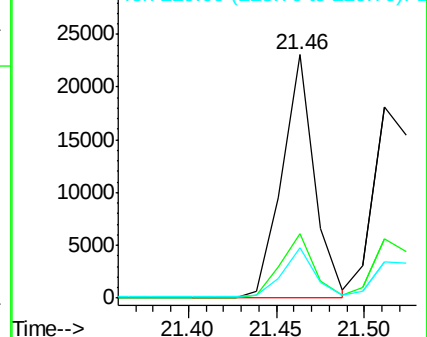
229 20.4 16.9 25.3

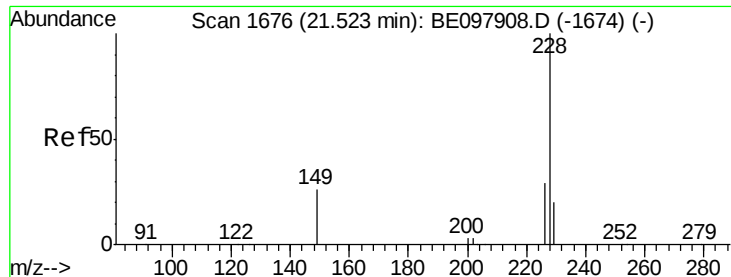


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.501 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

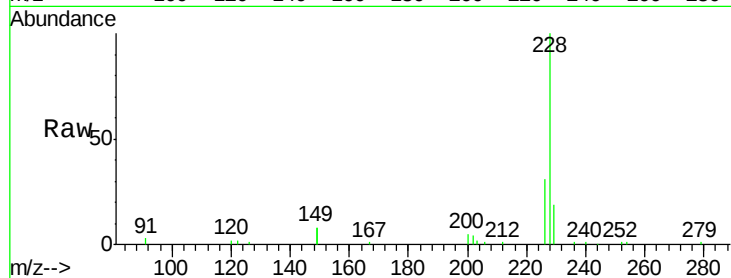
Tgt Ion: 228 Resp: 28343

Ion Ratio Lower Upper

228 100

226 31.2 24.3 36.5

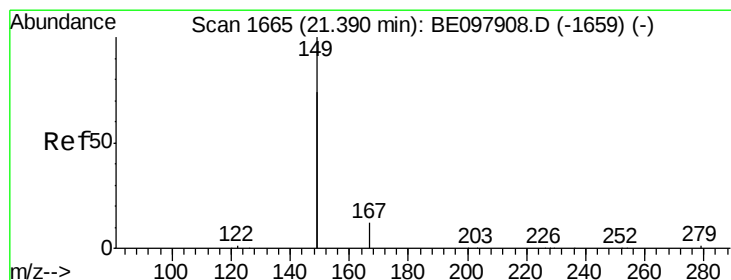
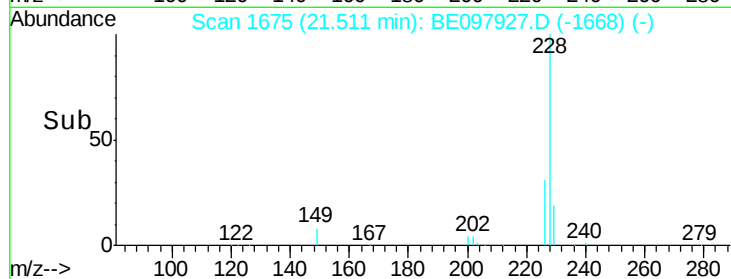
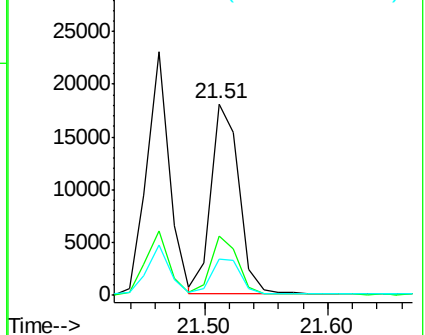
229 19.1 17.3 25.9



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: 0.431 ng

RT: 21.39 min Scan# 1665

Delta R.T. 0.00 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

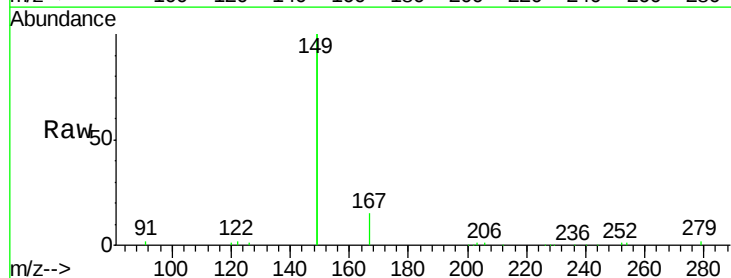
Tgt Ion: 149 Resp: 58707

Ion Ratio Lower Upper

149 100

167 7.0 5.6 8.4

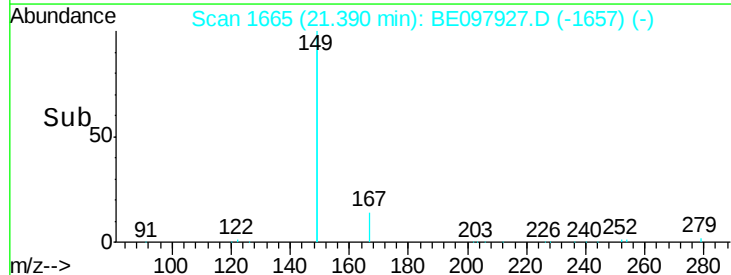
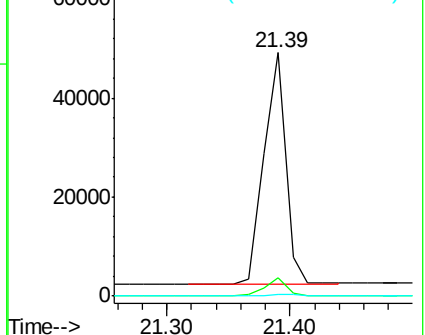
279 1.0 0.9 1.3

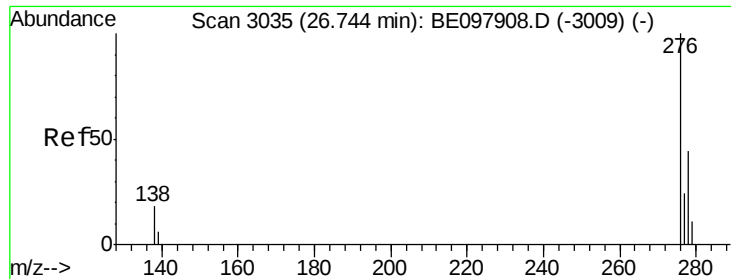


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.398 ng

RT: 26.73 min Scan# 3031

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

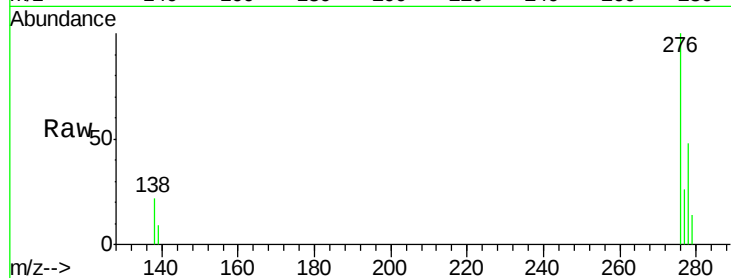
Tgt Ion:276 Resp: 24891

Ion Ratio Lower Upper

276 100

138 21.9 17.0 25.6

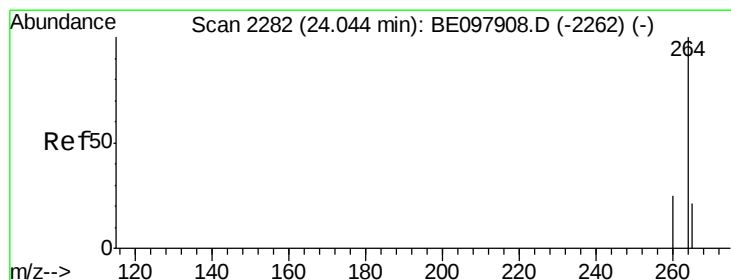
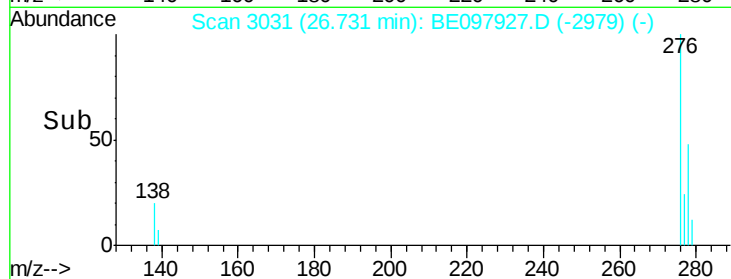
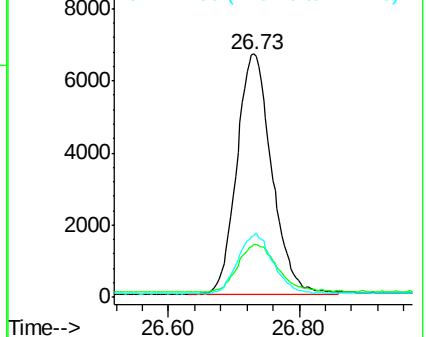
277 24.9 20.5 30.7



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# 2279

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

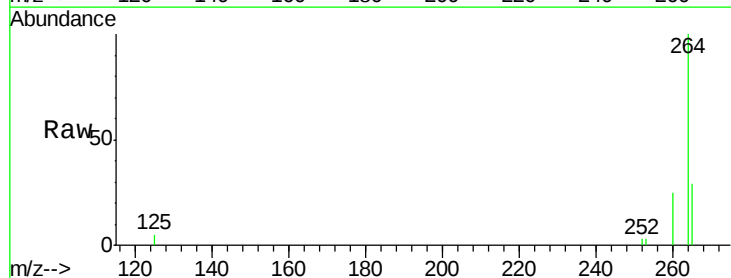
Tgt Ion:264 Resp: 16425

Ion Ratio Lower Upper

264 100

260 24.8 21.1 31.7

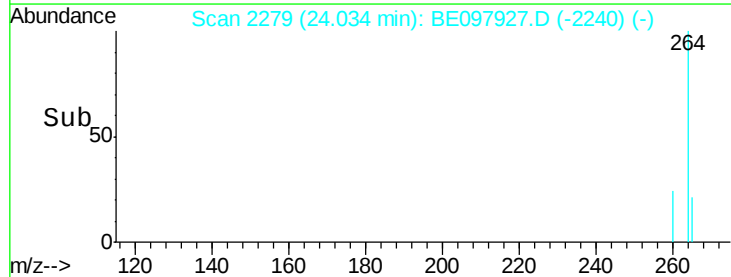
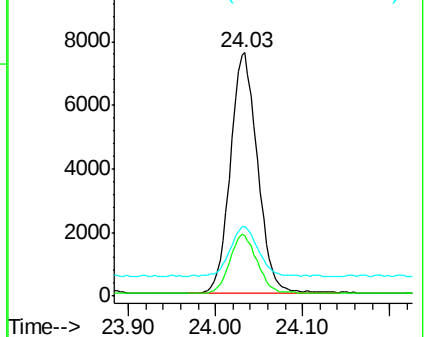
265 28.7 29.2 43.8#

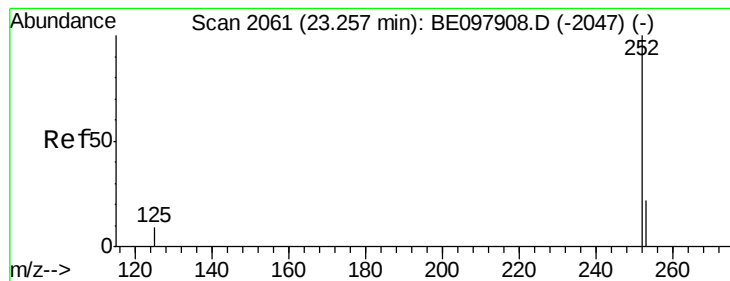


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.510 ng

RT: 23.25 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

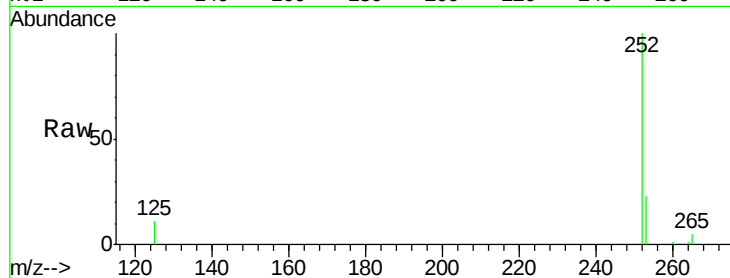
Tgt Ion: 252 Resp: 24094

Ion Ratio Lower Upper

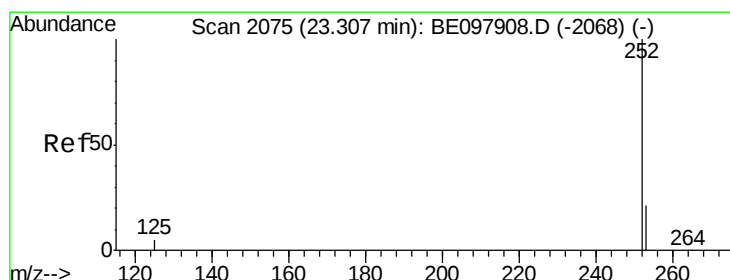
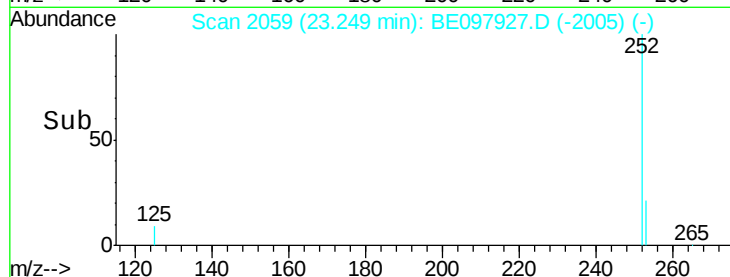
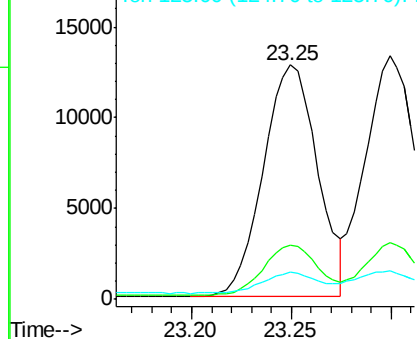
252 100

253 23.0 20.6 31.0

125 11.4 14.3 21.5#



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



#36

Benzo(k)fluoranthene

Concen: 0.489 ng

RT: 23.30 min Scan# 2073

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

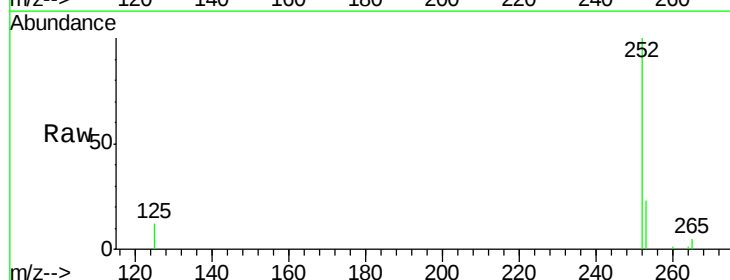
Tgt Ion: 252 Resp: 24094

Ion Ratio Lower Upper

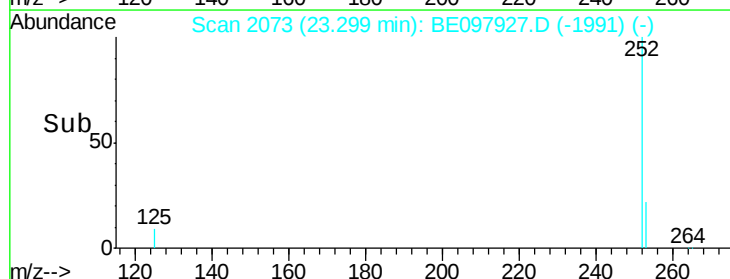
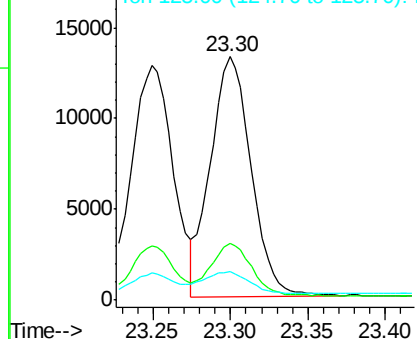
252 100

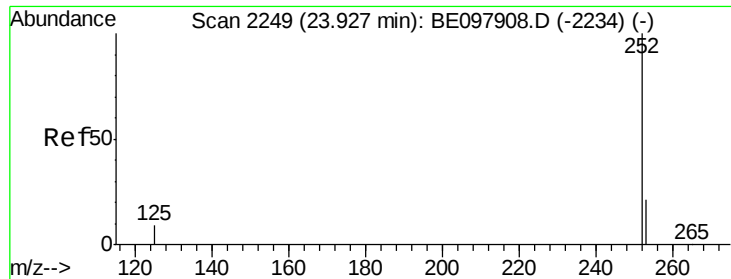
253 23.3 20.4 30.6

125 11.6 14.6 21.8#



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





#37

Benzo(a)pyrene

Concen: 0.457 ng

RT: 23.92 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD

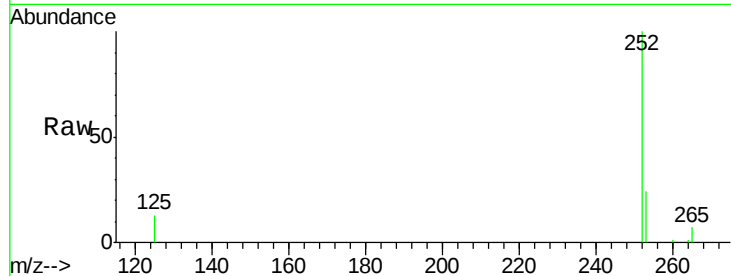
Tgt Ion:252 Resp: 21048

Ion Ratio Lower Upper

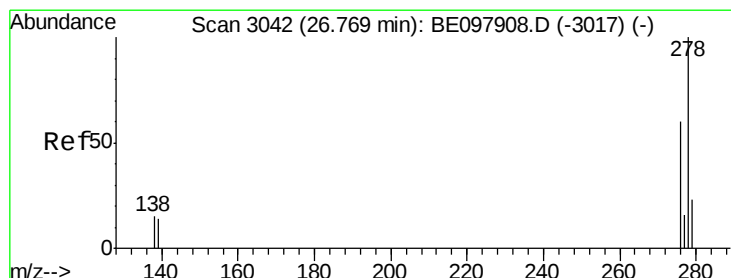
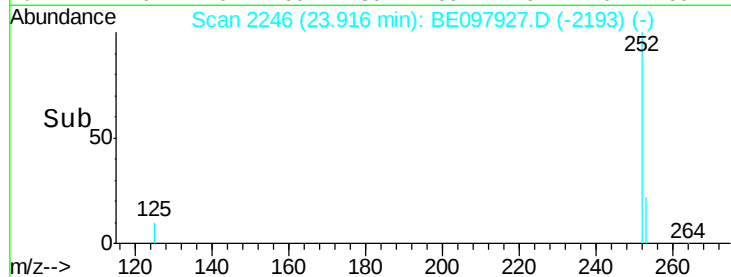
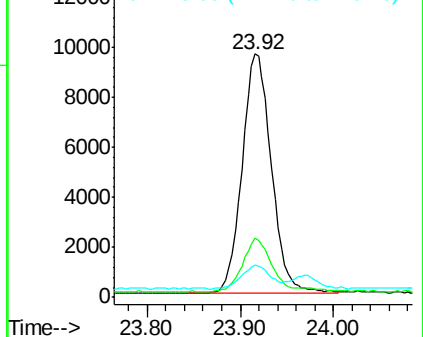
252 100

253 24.3 20.6 31.0

125 13.1 15.6 23.4#



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: 0.476 ng

RT: 26.75 min Scan# 3037

Delta R.T. -0.02 min

Lab File: BE097927.D

Acq: 17 Oct 2018 1:38

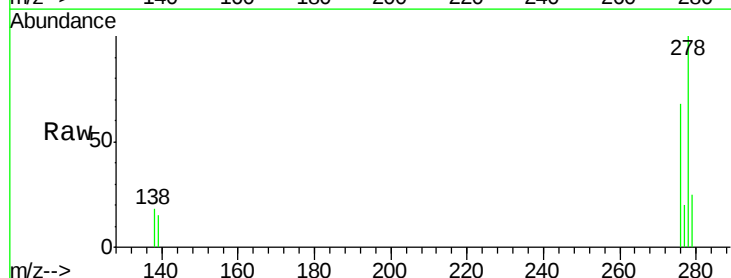
Tgt Ion:278 Resp: 21486

Ion Ratio Lower Upper

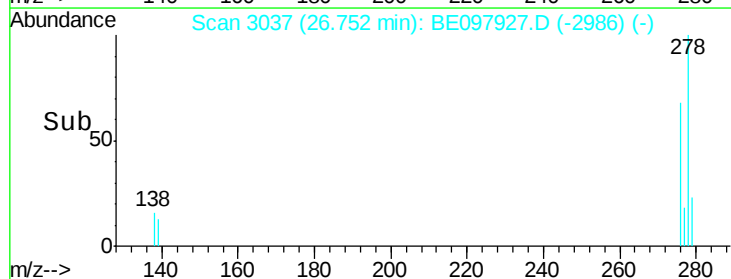
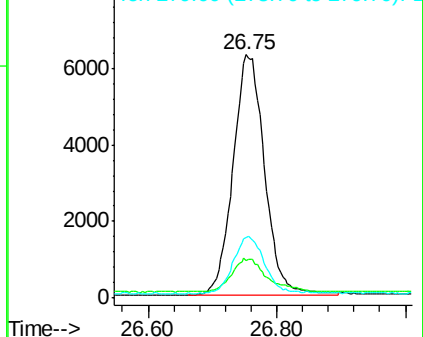
278 100

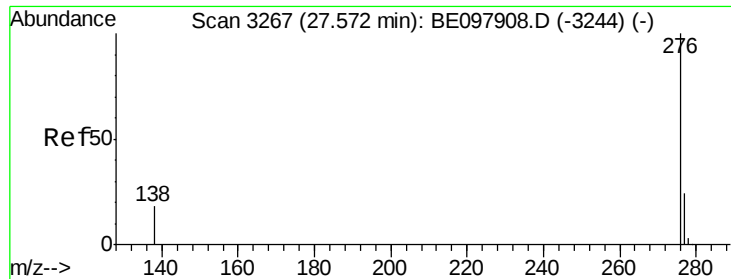
139 15.3 16.3 24.5#

279 25.0 21.4 32.2



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: 0.379 ng

RT: 27.55 min Scan# 3262

Delta R.T. -0.02 min

Lab File: BE097927.D

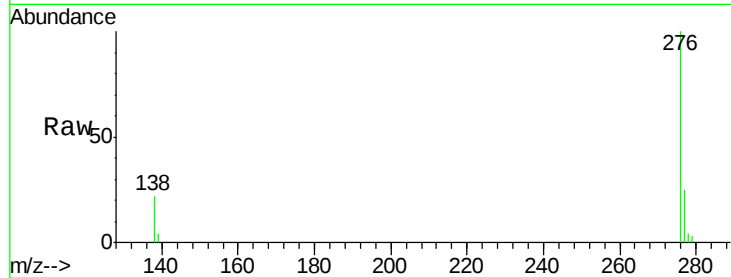
Acq: 17 Oct 2018 1:38

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MSD



Tgt Ion: 276 Resp: 17497

Ion Ratio Lower Upper

276 100

277 24.8 22.1 33.1

138 21.9 19.3 28.9

