

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101618\
 Data File : BE097920.D
 Acq On : 16 Oct 2018 21:18
 Operator : SJ/JU
 Sample : J5393-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-123D3-20181008

Quant Time: Oct 17 07:04:40 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	1876	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	8263	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	1568	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	10133	0.40	ng	-0.01
27) Chrysene-d12	21.49	240	6159	0.40	ng	0.00
34) Perylene-d12	24.05	264	5	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	711	0.12	ng	0.00
5) Phenol-d6	7.06	99	350	0.04	ng	0.00
8) Nitrobenzene-d5	9.03	82	2619	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	3758	0.27	ng	-0.01
14) 2,4,6-Tribromophenol	16.05	330	878	1.04	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	7657	1.19	ng	0.00
25) Fluoranthene-d10	19.33	212	22855	0.17	ng	0.00
29) Terphenyl-d14	19.92	244	15711	1.11	ng	0.00

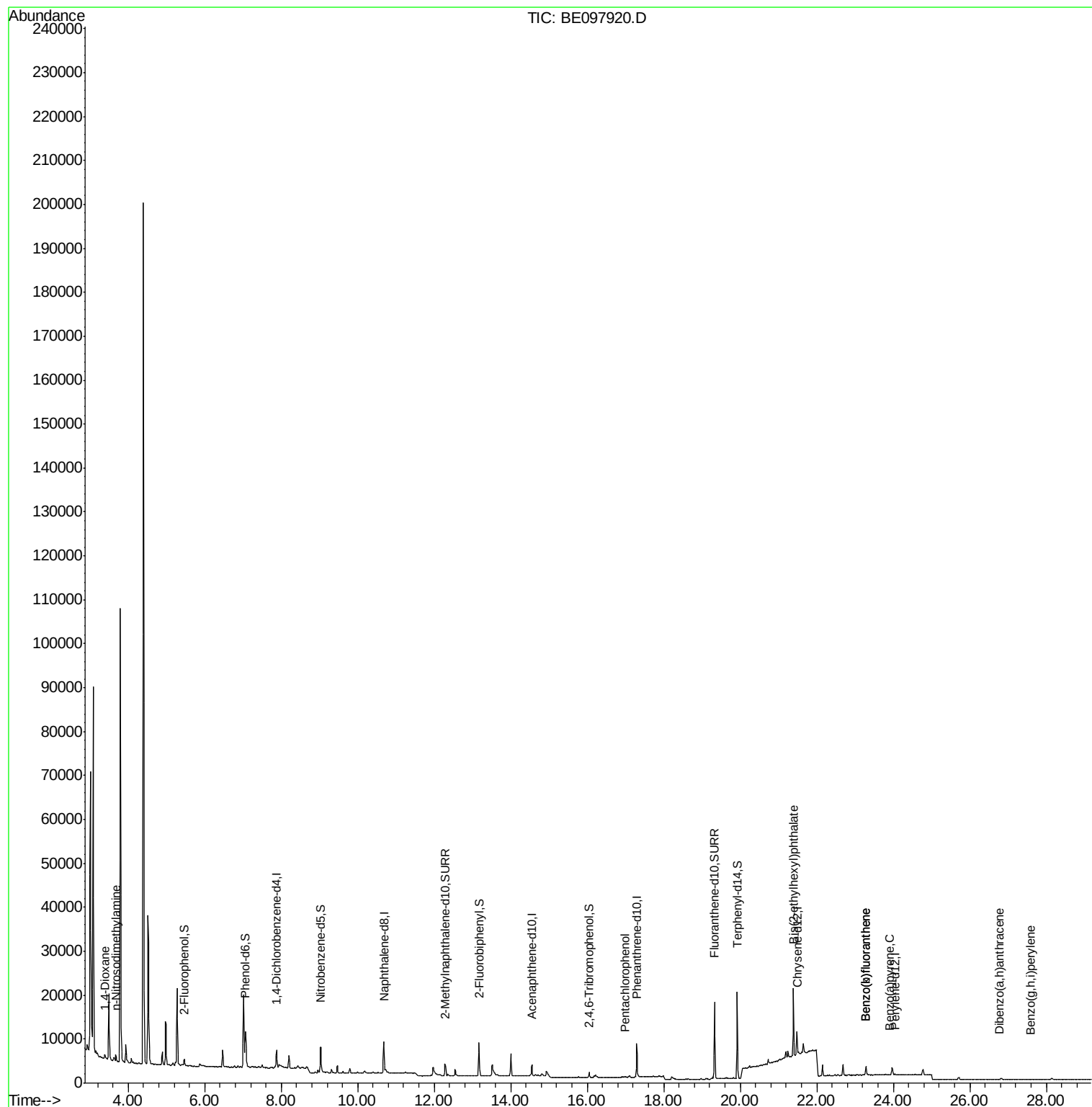
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	878	0.268	ng	# 87
3) n-Nitrosodimethylamine	3.68	42	136	0.037	ng	# 1
22) Pentachlorophenol	16.99	266	69	0.083	ng	# 34
32) Bis(2-ethylhexyl)phthalate	21.39	149	16604	0.369	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.73	276	13	Below Cal		# 24
35) Benzo(b)fluoranthene	23.29	252	343	23.839	ng	# 1
36) Benzo(k)fluoranthene	23.29	252	343	22.877	ng	# 1
37) Benzo(a)pyrene	23.91	252	27	1.925	ng	# 1
38) Dibenzo(a,h)anthracene	26.76	278	7	0.510	ng	# 1
39) Benzo(a,h,i)perylene	27.59	276	5	0.355	ng	# 1

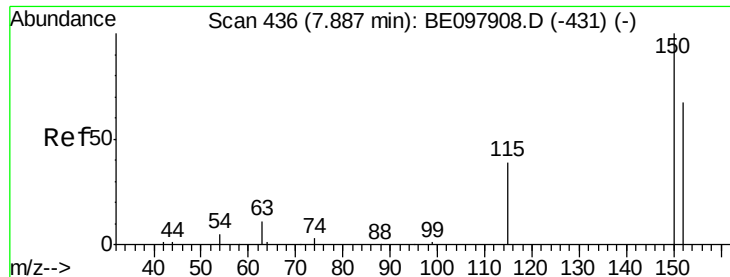
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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Instrument :

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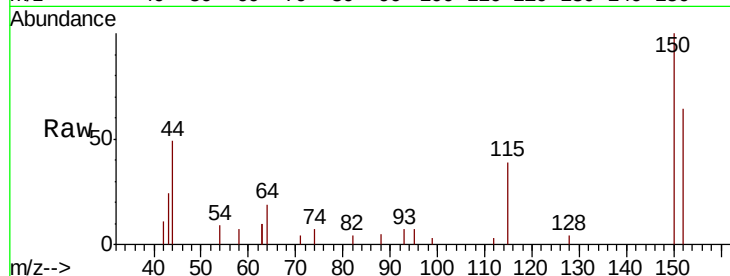
Tot Ion:152 Resp: 1876

Ion Ratio Lower Upper

152 100

150 155.8 118.2 177.4

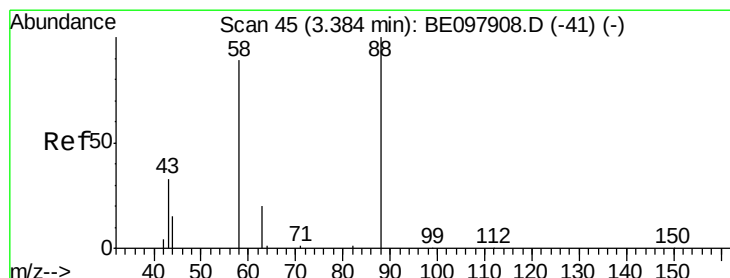
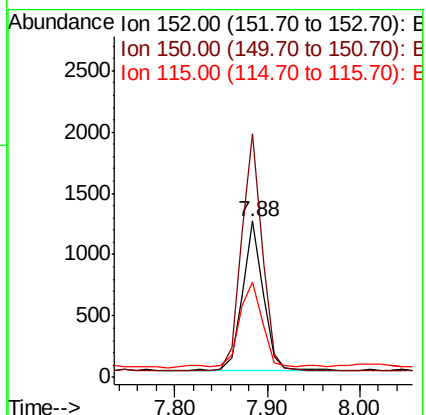
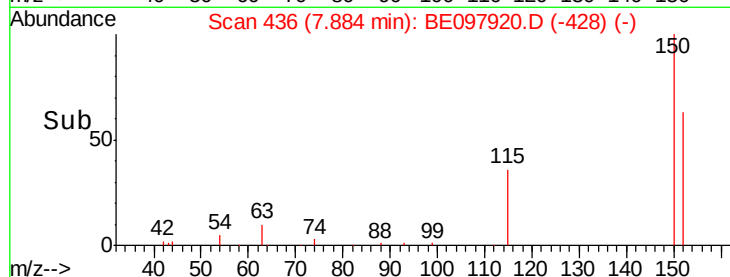
115 61.0 50.9 76.3



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: 0.268 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

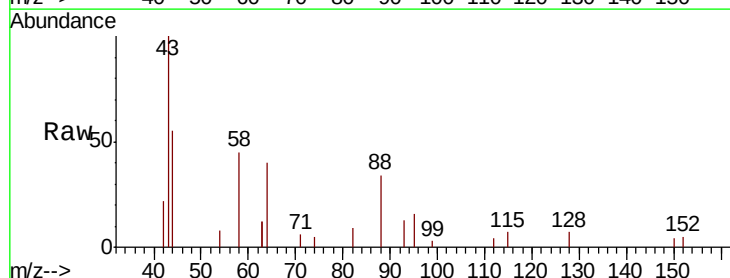
Tgt Ion: 88 Resp: 878

Ion Ratio Lower Upper

88 100

58 92.1 73.2 109.8

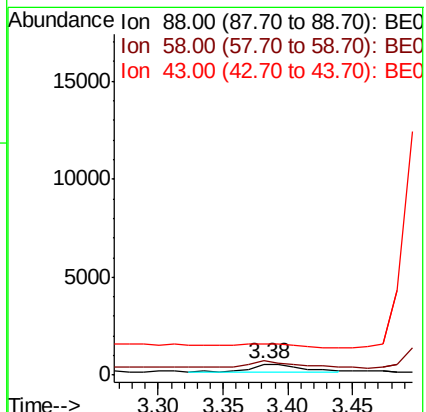
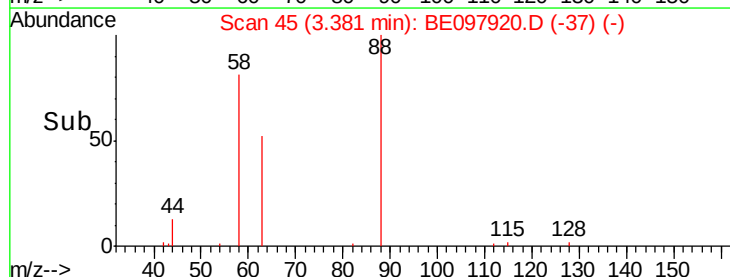
43 70.8 36.9 55.3#

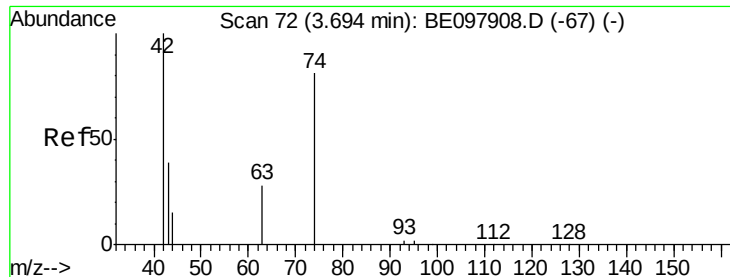


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.037 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

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Instrument :

BNA_E

ClientSampleId :

RE-123D3-20181008

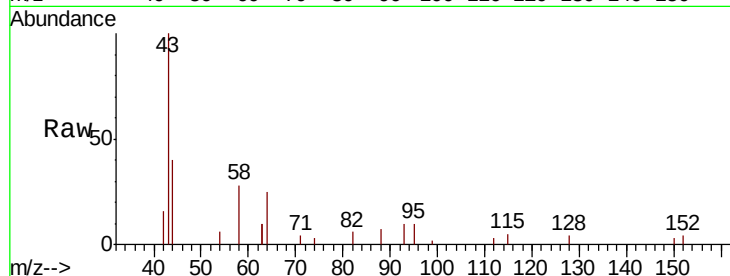
Tot Ion: 42 Resp: 136

Ion Ratio Lower Upper

42 100

74 0.0 77.6 116.4#

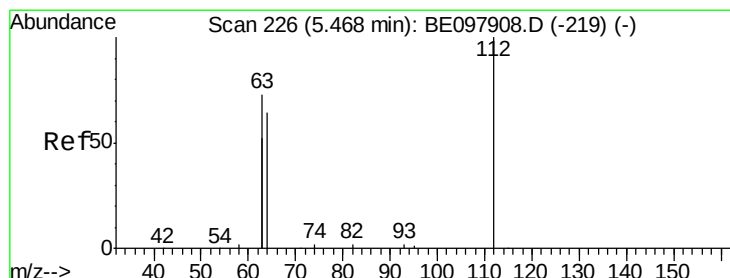
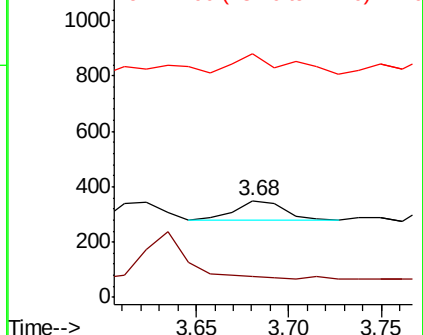
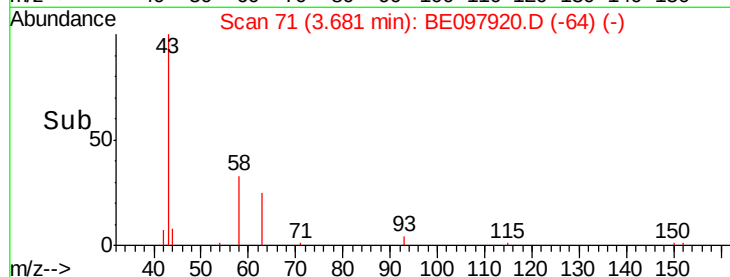
44 106.6 7.6 11.4#



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: 0.120 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

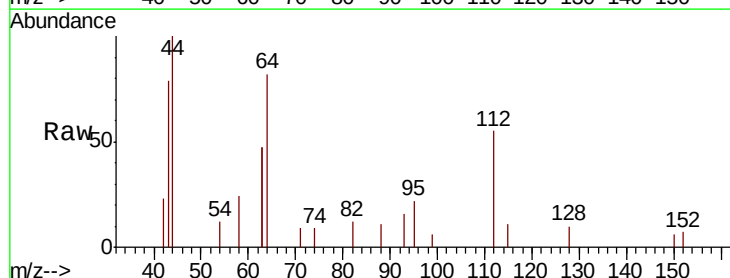
Tgt Ion: 112 Resp: 711

Ion Ratio Lower Upper

112 100

64 84.4 58.9 88.3

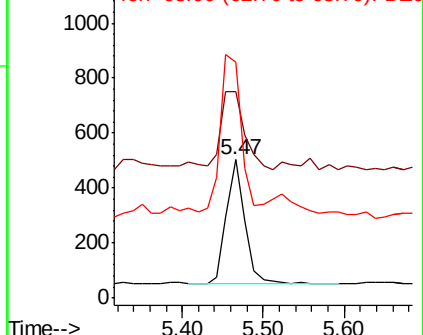
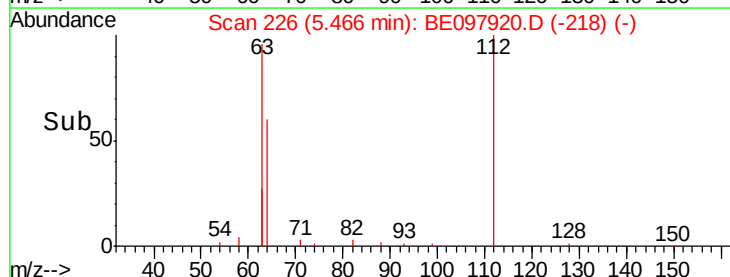
63 146.4 120.3 180.5

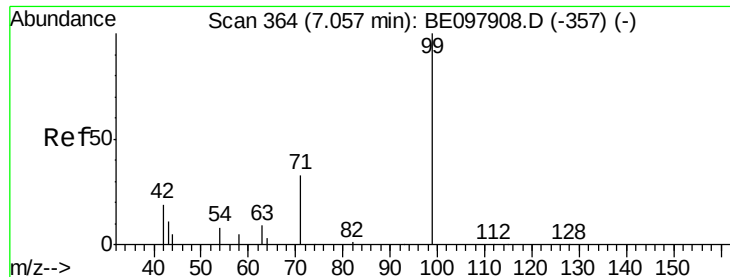


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.040 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

Instrument :

BNA_E

ClientSampleId :

RE-123D3-20181008

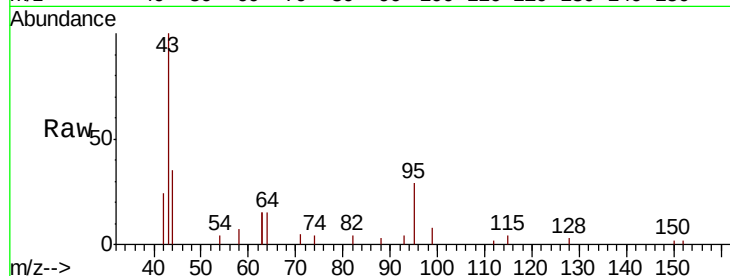
Tot Ion: 99 Resp: 350

Ion Ratio Lower Upper

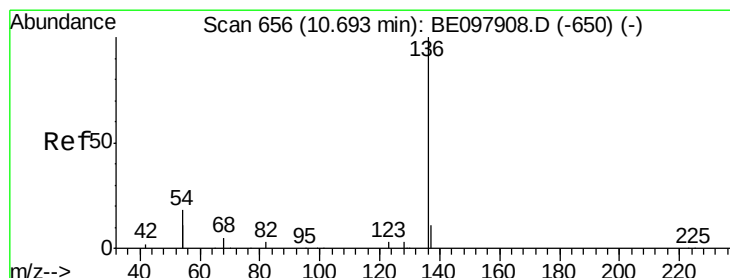
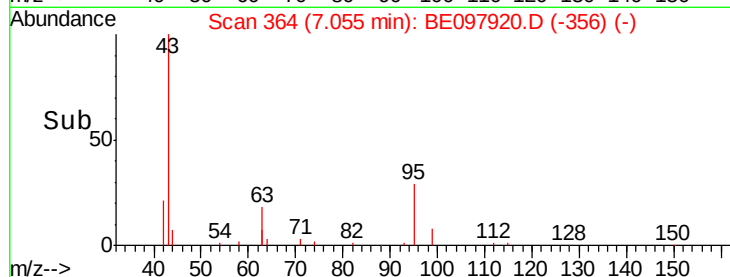
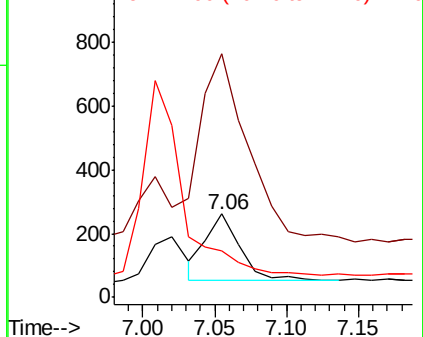
99 100

42 473.4 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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

Tgt Ion: 136 Resp: 8263

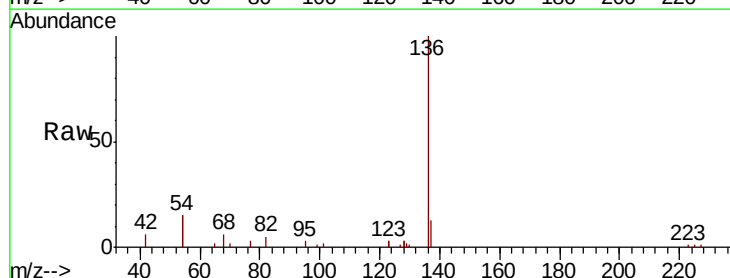
Ion Ratio Lower Upper

136 100

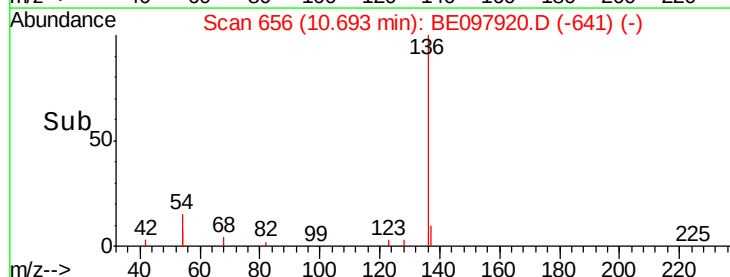
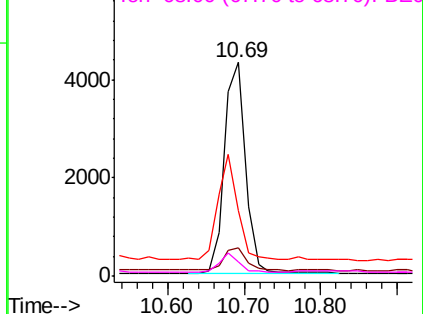
137 13.1 9.6 14.4

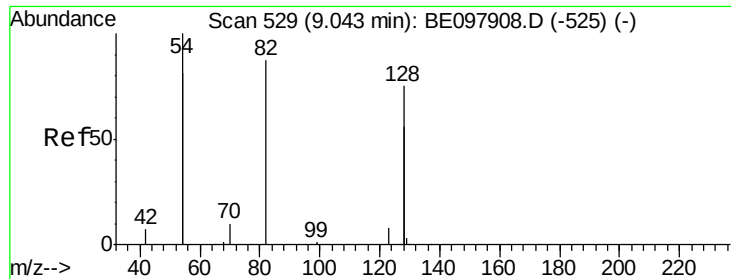
54 30.3 27.7 41.5

68 6.4 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: 0.335 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

Instrument :

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ClientSampleId :

RE-123D3-20181008

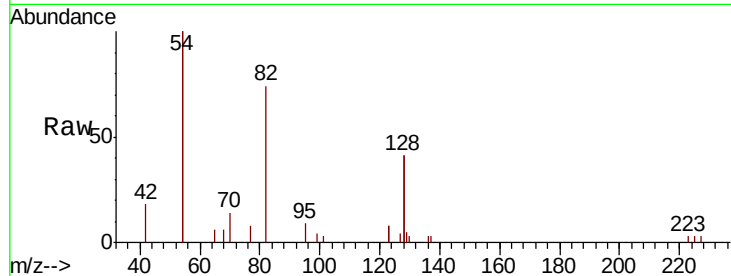
Tot Ion: 82 Resp: 2619

Ion Ratio Lower Upper

82 100

128 110.1 129.9 194.9#

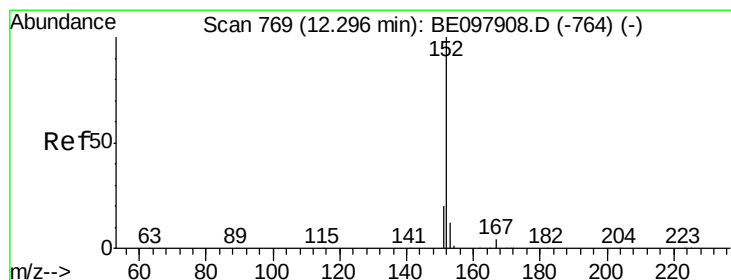
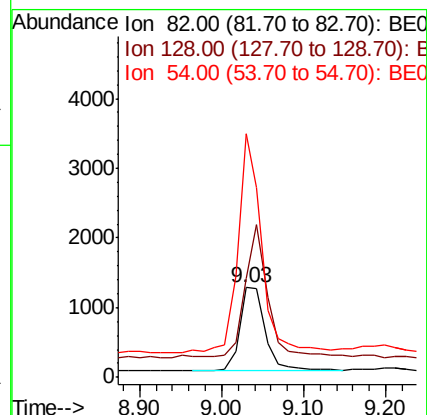
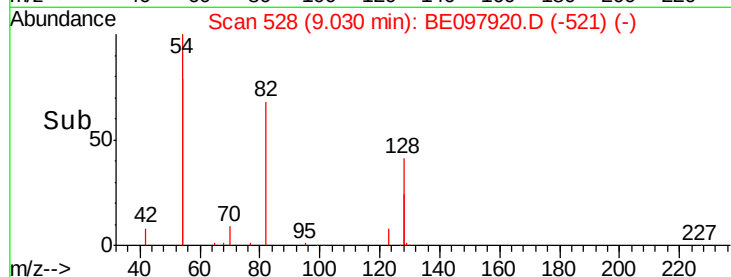
54 270.9 174.0 261.0#



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



#11

2-Methylnaphthalene-d10

Concen: 0.273 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE097920.D

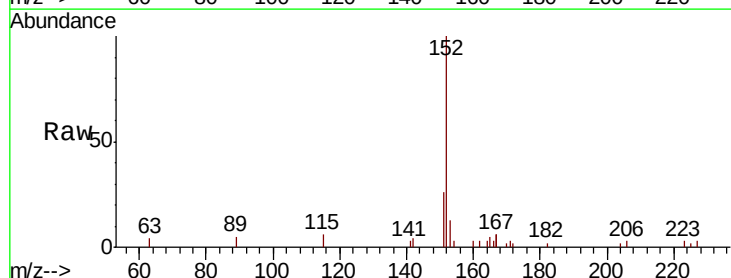
Acq: 16 Oct 2018 21:18

Tgt Ion: 152 Resp: 3758

Ion Ratio Lower Upper

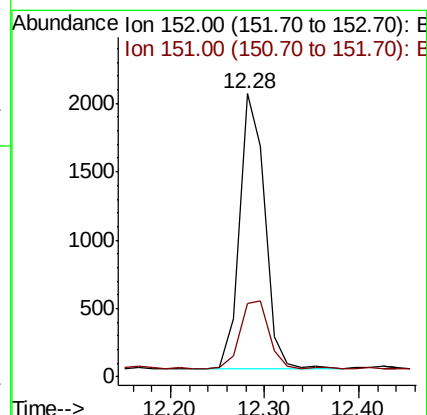
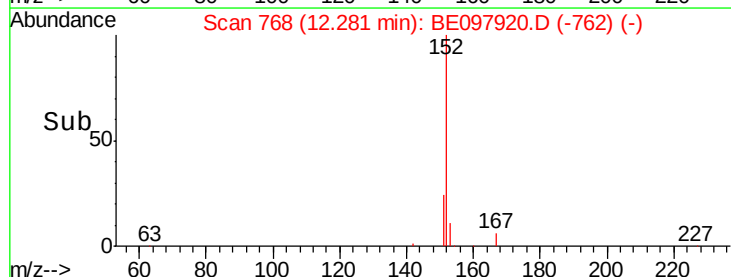
152 100

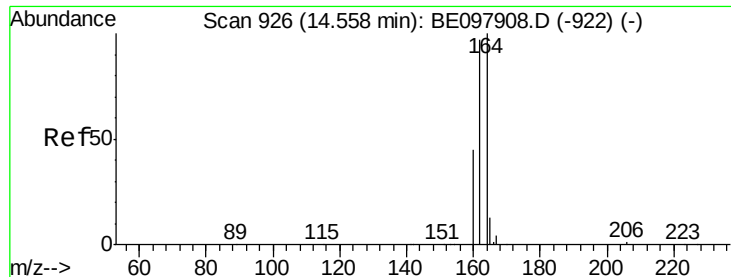
151 28.4 16.2 24.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.56 min Scan# 926

Delta R.T. -0.00 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

Instrument :

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ClientSampleId :

RE-123D3-20181008

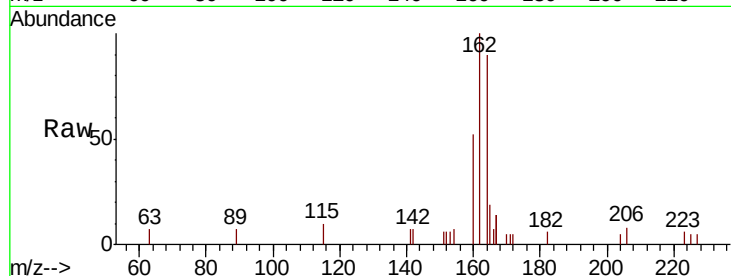
Tot Ion:164 Resp: 1568

Ion Ratio Lower Upper

164 100

162 111.4 77.4 116.2

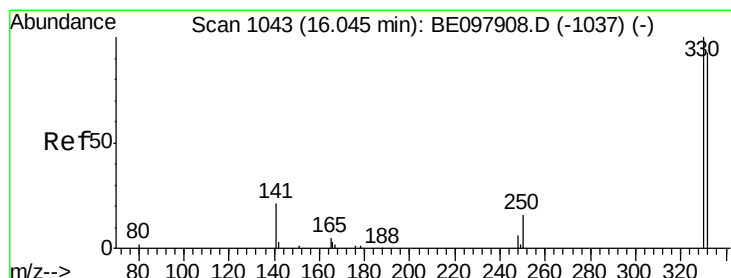
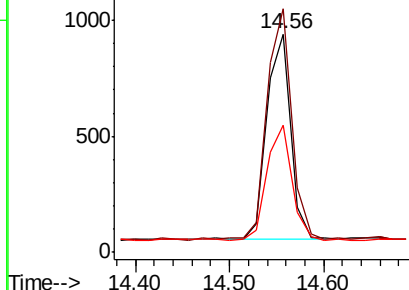
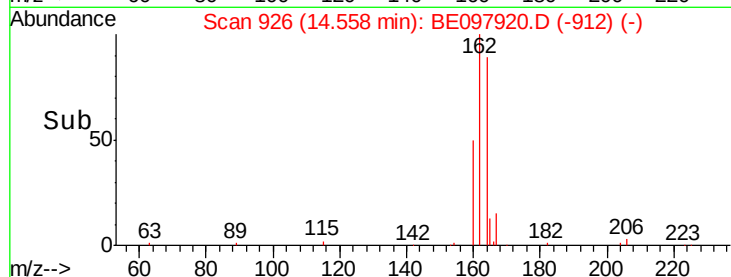
160 58.4 36.5 54.7#



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: 1.041 ng

RT: 16.05 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

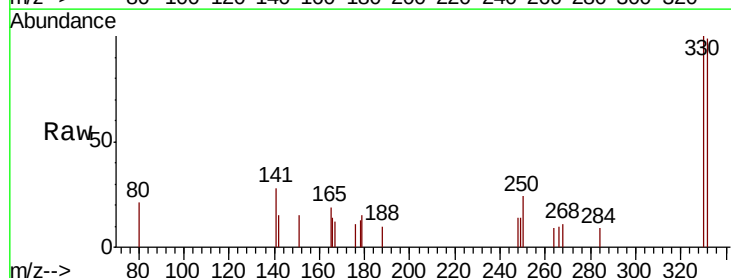
Tgt Ion:330 Resp: 878

Ion Ratio Lower Upper

330 100

332 93.2 76.5 114.7

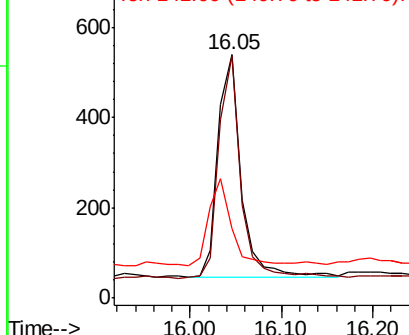
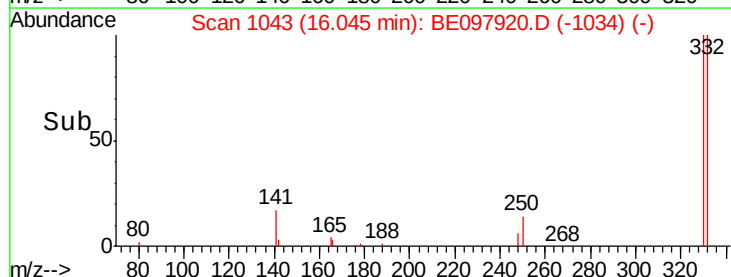
141 36.4 31.8 47.6

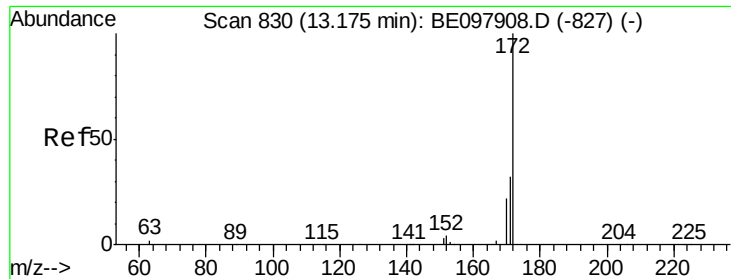


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

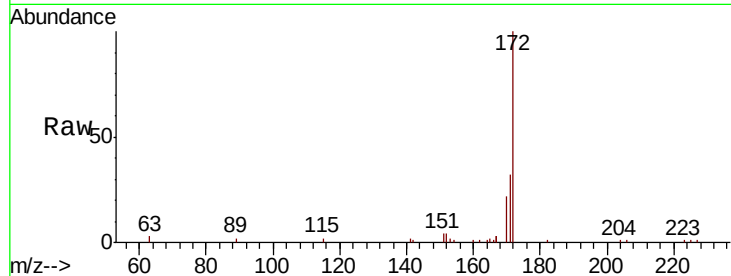




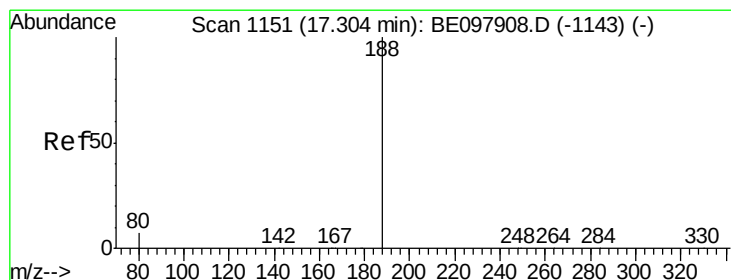
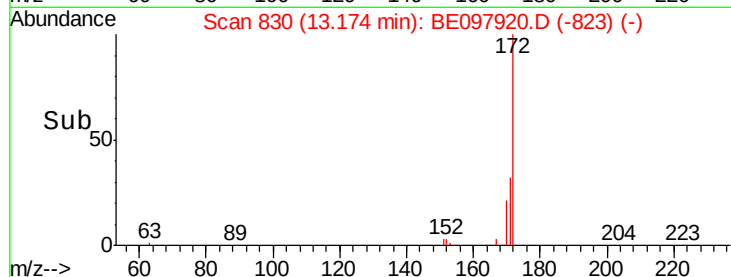
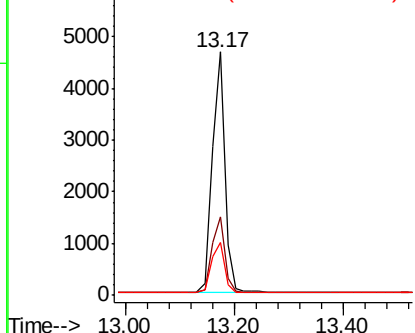
#15
2-Fluorobiphenyl
Concen: 1.195 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BE097920.D
Acq: 16 Oct 2018 21:18

Instrument :
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RE-123D3-20181008

Tot Ion:172 Resp: 7657
Ion Ratio Lower Upper
172 100
171 32.3 26.0 39.0
170 21.7 18.0 27.0

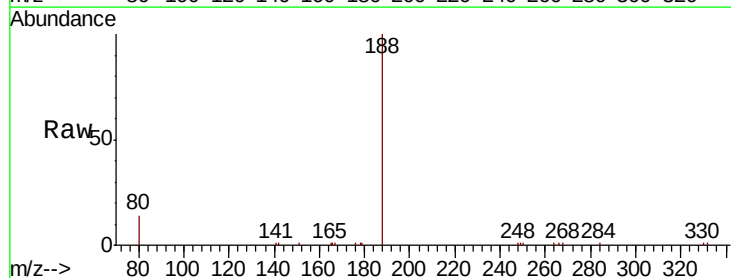


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

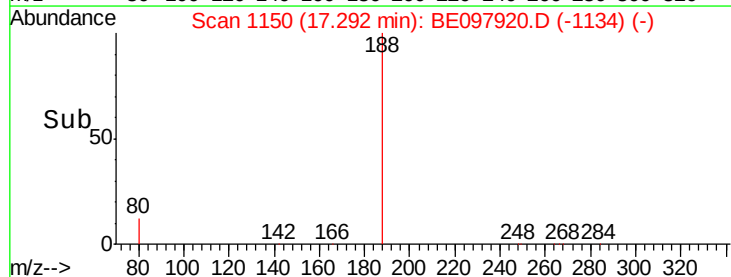
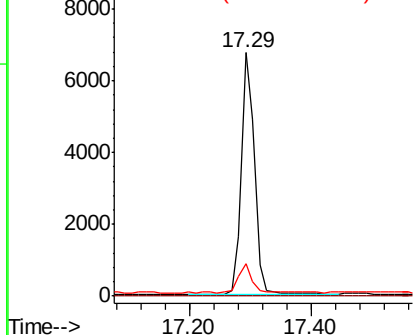


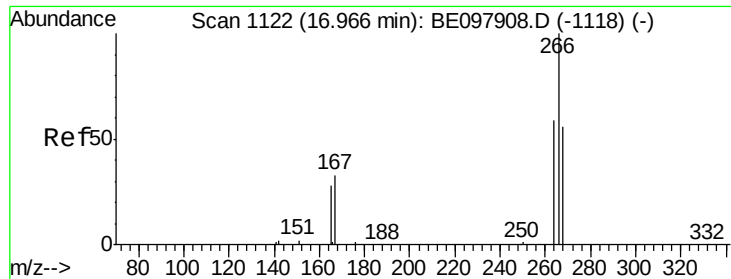
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BE097920.D
Acq: 16 Oct 2018 21:18

Tgt Ion:188 Resp: 10133
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.5 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

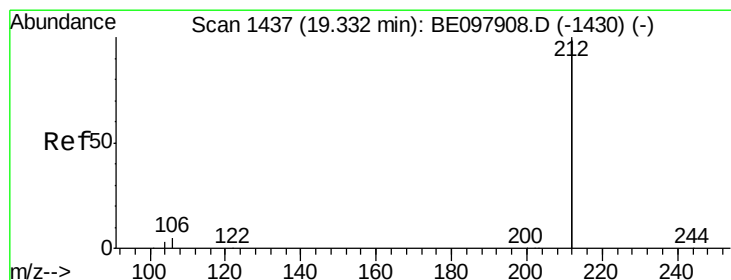
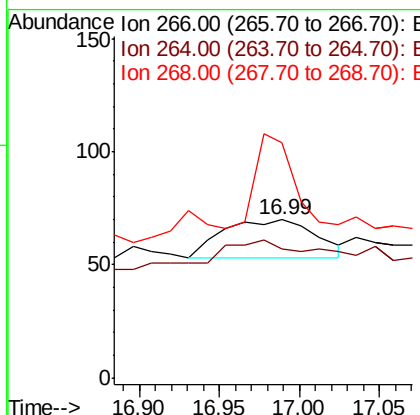
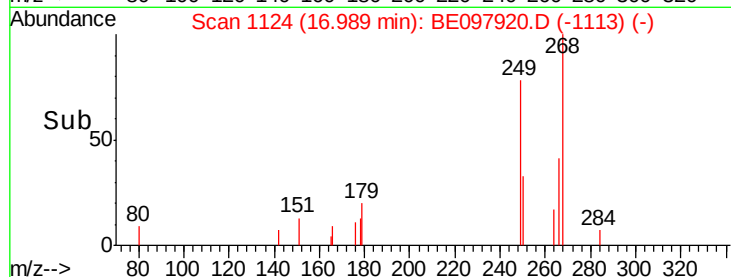
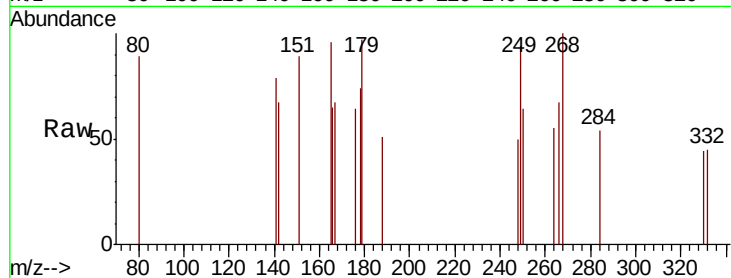




#22
 Pentachlorophenol
 Concen: 0.083 ng
 RT: 16.99 min Scan# 1124
 Delta R.T. 0.02 min
 Lab File: BE097920.D
 Acq: 16 Oct 2018 21:18

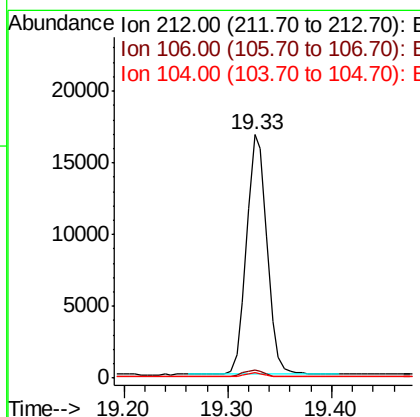
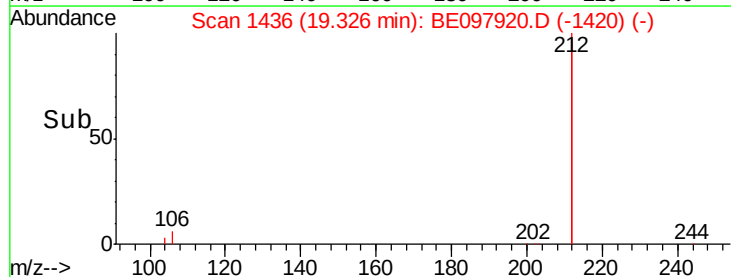
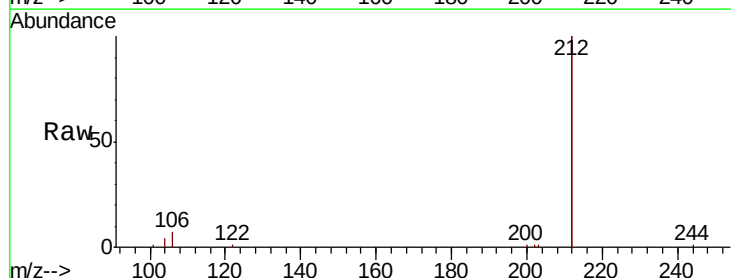
Instrument :
 BNA_E
 ClientSampleId :
 RE-123D3-20181008

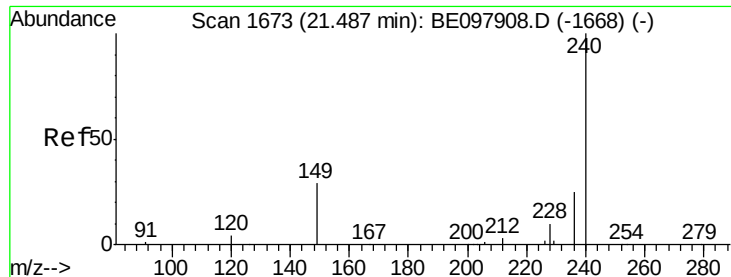
Tot Ion:266 Resp: 69
 Ion Ratio Lower Upper
 266 100
 264 81.4 51.3 76.9#
 268 148.6 50.1 75.1#



#25
 Fluoranthene-d10
 Concen: 0.166 ng
 RT: 19.33 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE097920.D
 Acq: 16 Oct 2018 21:18

Tgt Ion:212 Resp: 22855
 Ion Ratio Lower Upper
 212 100
 106 2.8 2.3 3.5
 104 1.8 1.3 1.9





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.00 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

Instrument :

BNA_E

ClientSampleId :

RE-123D3-20181008

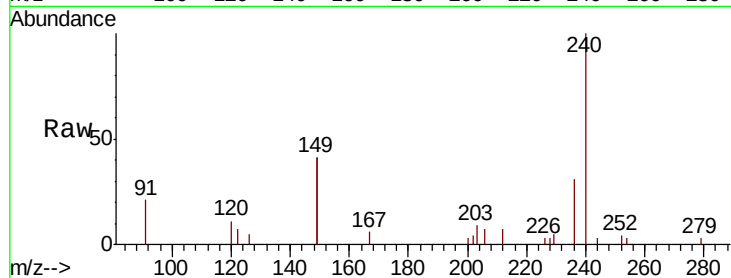
Tot Ion:240 Resp: 6159

Ion Ratio Lower Upper

240 100

120 11.4 7.1 10.7#

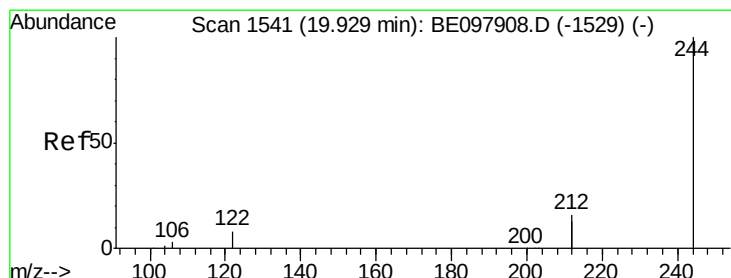
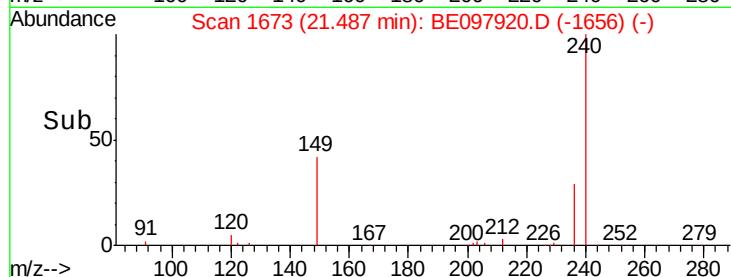
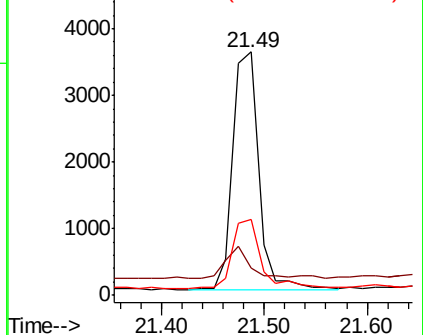
236 31.2 21.3 31.9



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



#29

Terphenyl-d14

Concen: 1.113 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

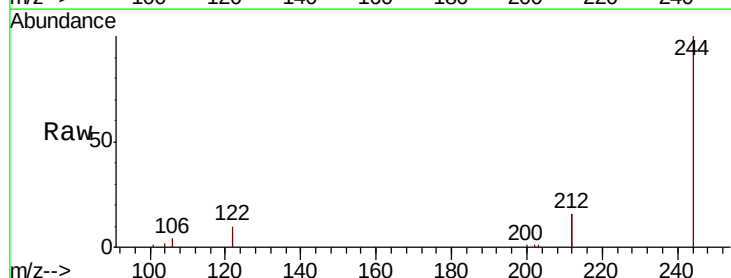
Tgt Ion:244 Resp: 15711

Ion Ratio Lower Upper

244 100

212 32.3 26.2 39.2

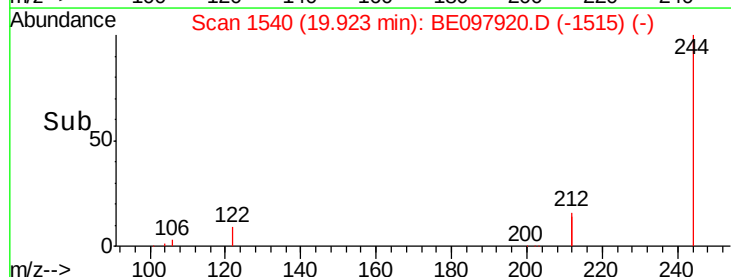
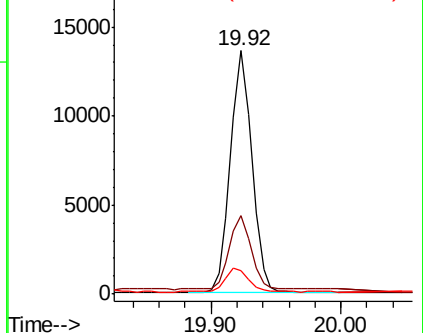
122 9.9 7.7 11.5

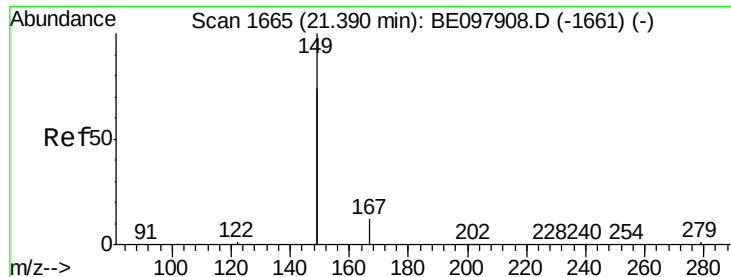


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.369 ng

RT: 21.39 min Scan# 1665

Delta R.T. 0.00 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

Instrument :

BNA_E

ClientSampleId :

RE-123D3-20181008

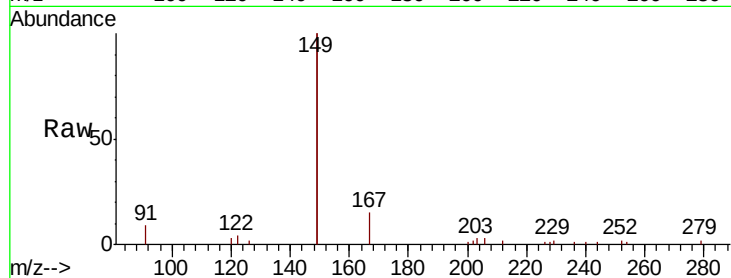
Tot Ion:149 Resp: 16604

Ion Ratio Lower Upper

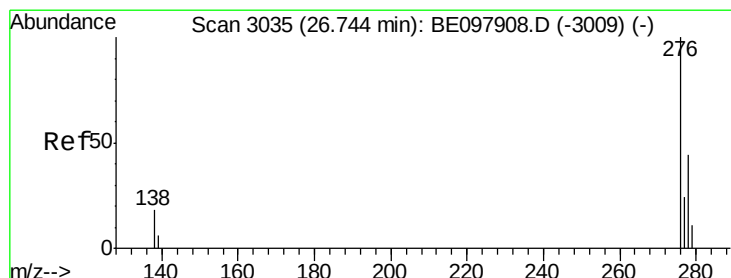
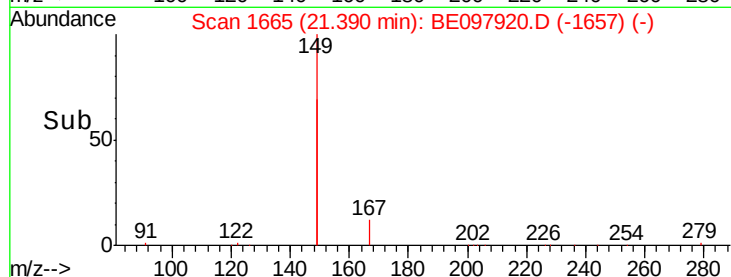
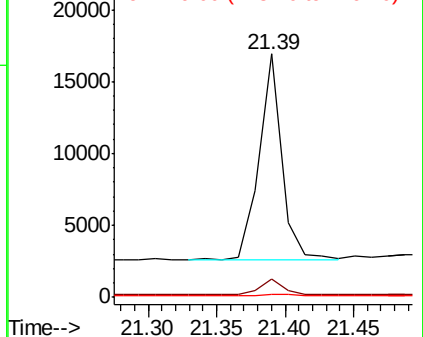
149 100

167 6.6 5.6 8.4

279 1.5 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: Below Cal

RT: 26.73 min Scan# 3031

Delta R.T. -0.01 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

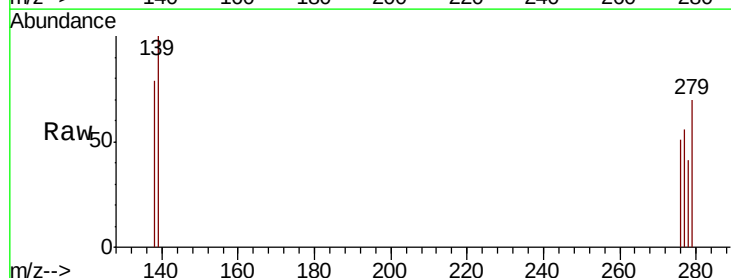
Tgt Ion:276 Resp: 13

Ion Ratio Lower Upper

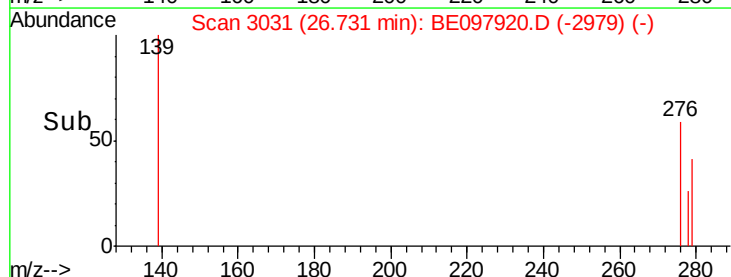
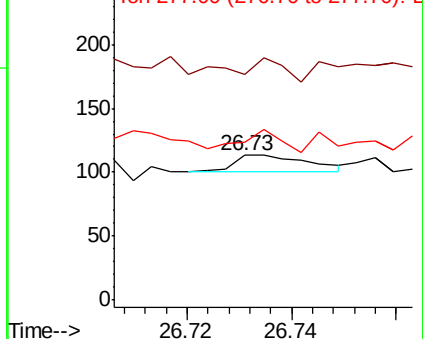
276 100

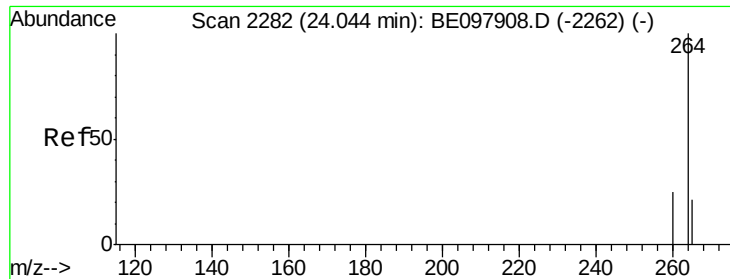
138 0.0 17.0 25.6#

277 76.9 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

Pervlene-d12

Concen: 0.400 ng

RT: 24.05 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

Instrument :

BNA_E

ClientSampleId :

RE-123D3-20181008

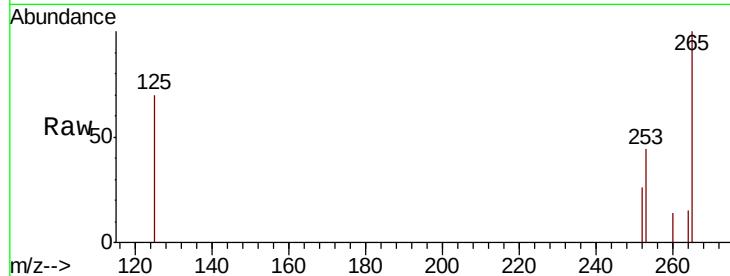
Tot Ion:264 Resp: 5

Ion Ratio Lower Upper

264 100

260 92.0 21.1 31.7#

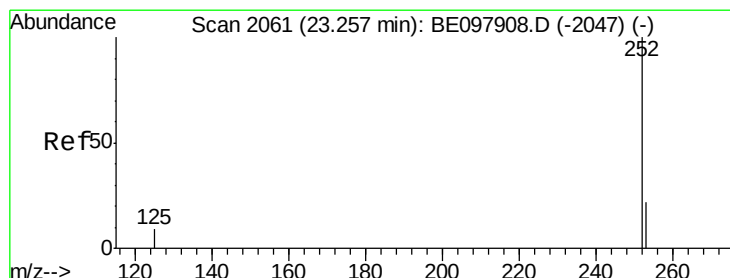
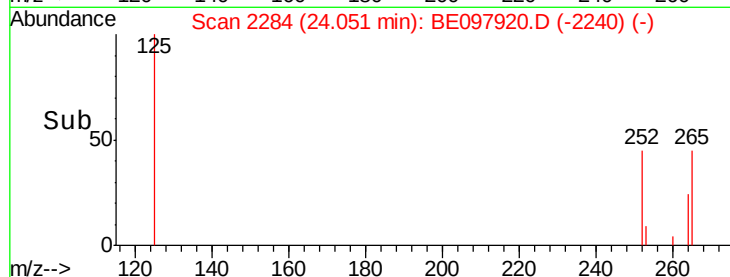
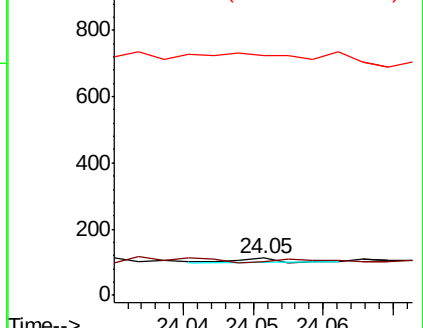
265 645.5 29.2 43.8#



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: 23.839 ng

RT: 23.29 min Scan# 2070

Delta R.T. 0.03 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

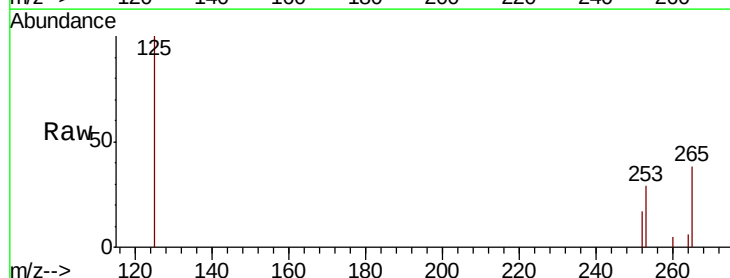
Tgt Ion:252 Resp: 343

Ion Ratio Lower Upper

252 100

253 171.0 20.6 31.0#

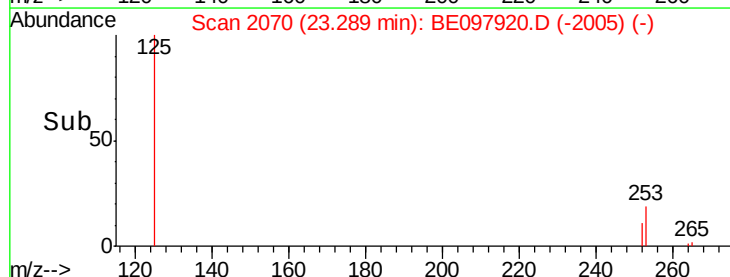
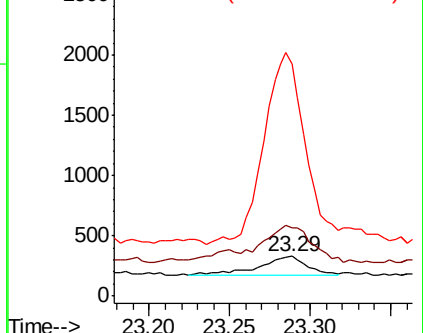
125 580.7 14.3 21.5#

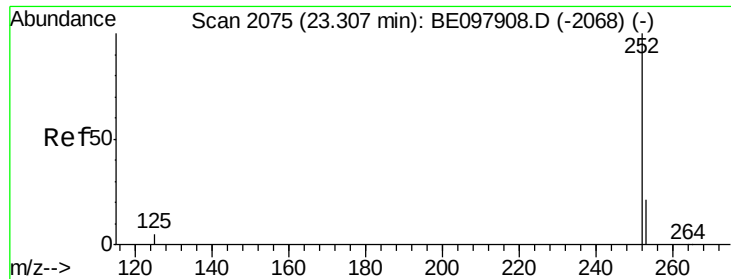


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 22.877 ng

RT: 23.29 min Scan# 2070

Delta R.T. -0.02 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

Instrument :

BNA_E

ClientSampleId :

RE-123D3-20181008

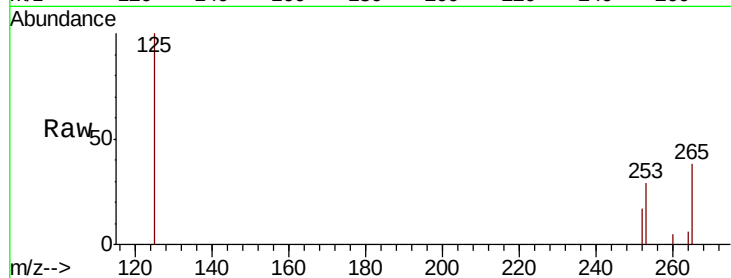
Tot Ion:252 Resp: 343

Ion Ratio Lower Upper

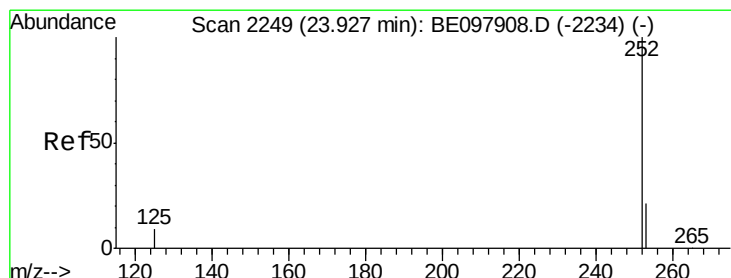
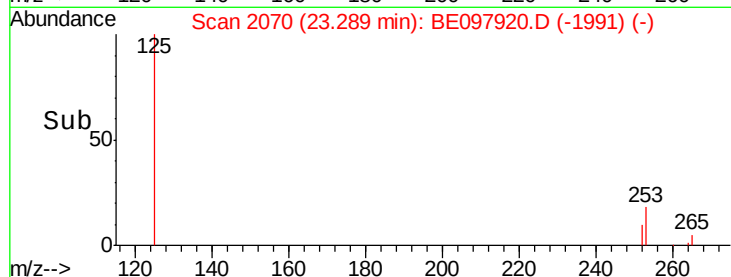
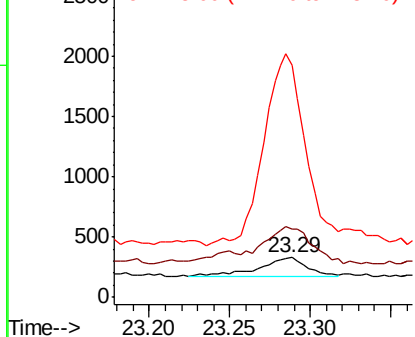
252 100

253 171.0 20.4 30.6#

125 580.7 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: 1.925 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

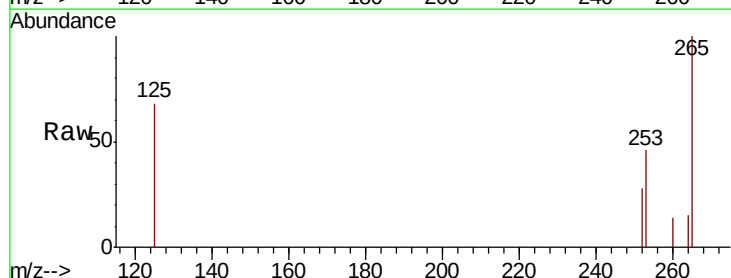
Tgt Ion:252 Resp: 27

Ion Ratio Lower Upper

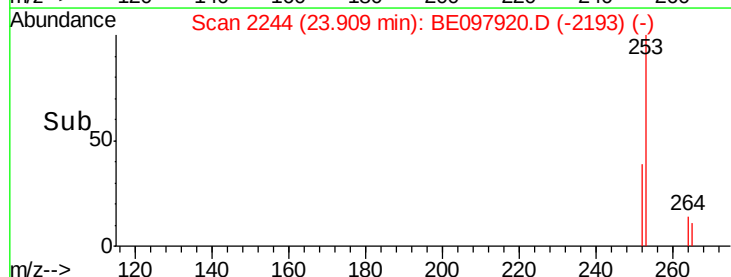
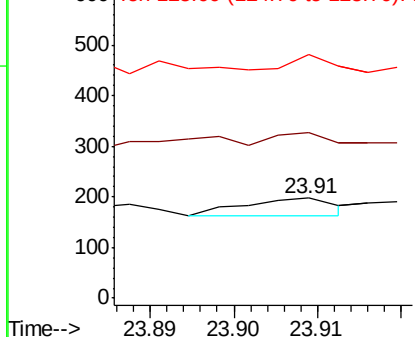
252 100

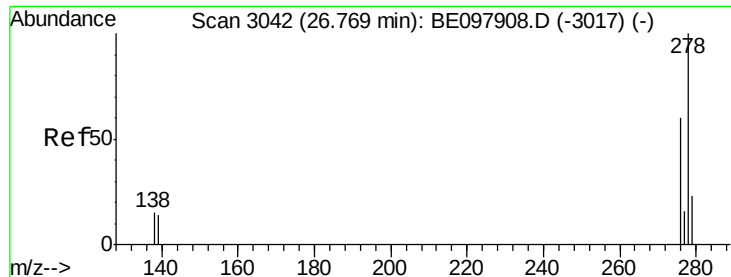
253 165.7 20.6 31.0#

125 242.9 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: 0.510 ng

RT: 26.76 min Scan# 3040

Delta R.T. -0.01 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

Instrument :

BNA_E

ClientSampleId :

RE-123D3-20181008

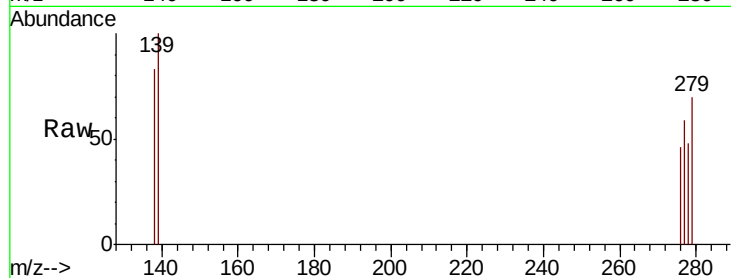
Tot Ion:278 Resp: 7

Ion Ratio Lower Upper

278 100

139 207.5 16.3 24.5#

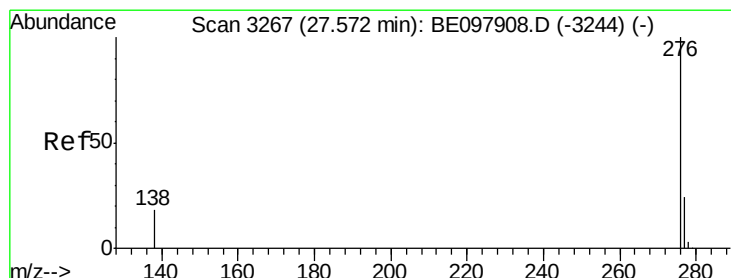
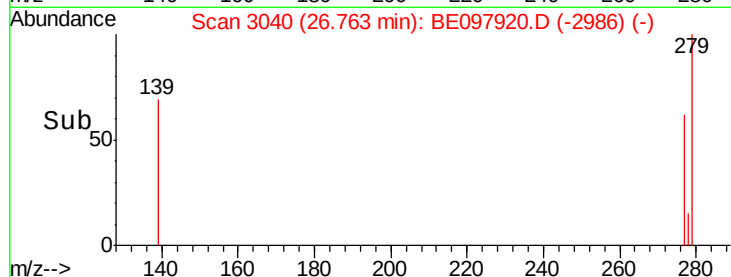
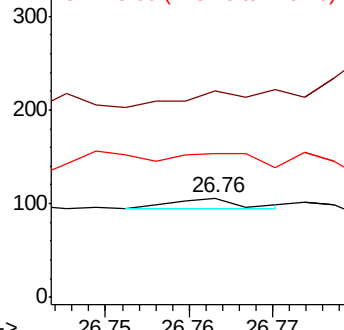
279 145.3 21.4 32.2#



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: 0.355 ng

RT: 27.59 min Scan# 3271

Delta R.T. 0.02 min

Lab File: BE097920.D

Acq: 16 Oct 2018 21:18

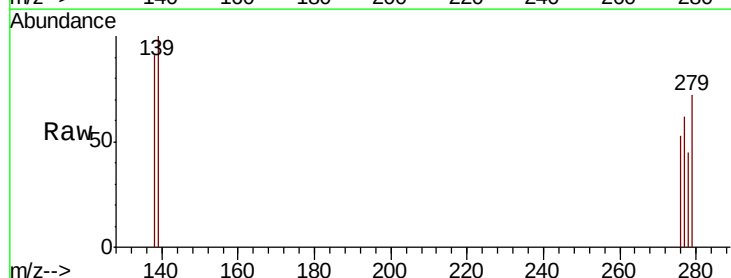
Tgt Ion:276 Resp: 5

Ion Ratio Lower Upper

276 100

277 117.3 22.1 33.1#

138 172.7 19.3 28.9#



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

