

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101618\
 Data File : BE097921.D
 Acq On : 16 Oct 2018 21:57
 Operator : SJ/JU
 Sample : J5393-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-123D1-20181009

Quant Time: Oct 17 07:59:41 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	2102	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	9455	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	6485	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	19696	0.40	ng	-0.01
27) Chrysene-d12	21.48	240	20184	0.40	ng	-0.01
34) Perylene-d12	24.04	264	17766	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	1349	0.20	ng	0.00
5) Phenol-d6	7.05	99	1234	0.13	ng	0.00
8) Nitrobenzene-d5	9.04	82	3511	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	6457	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	16.05	330	1496	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	10827	0.41	ng	0.00
25) Fluoranthene-d10	19.33	212	113885	0.43	ng	0.00
29) Terphenyl-d14	19.92	244	36198	0.78	ng	0.00

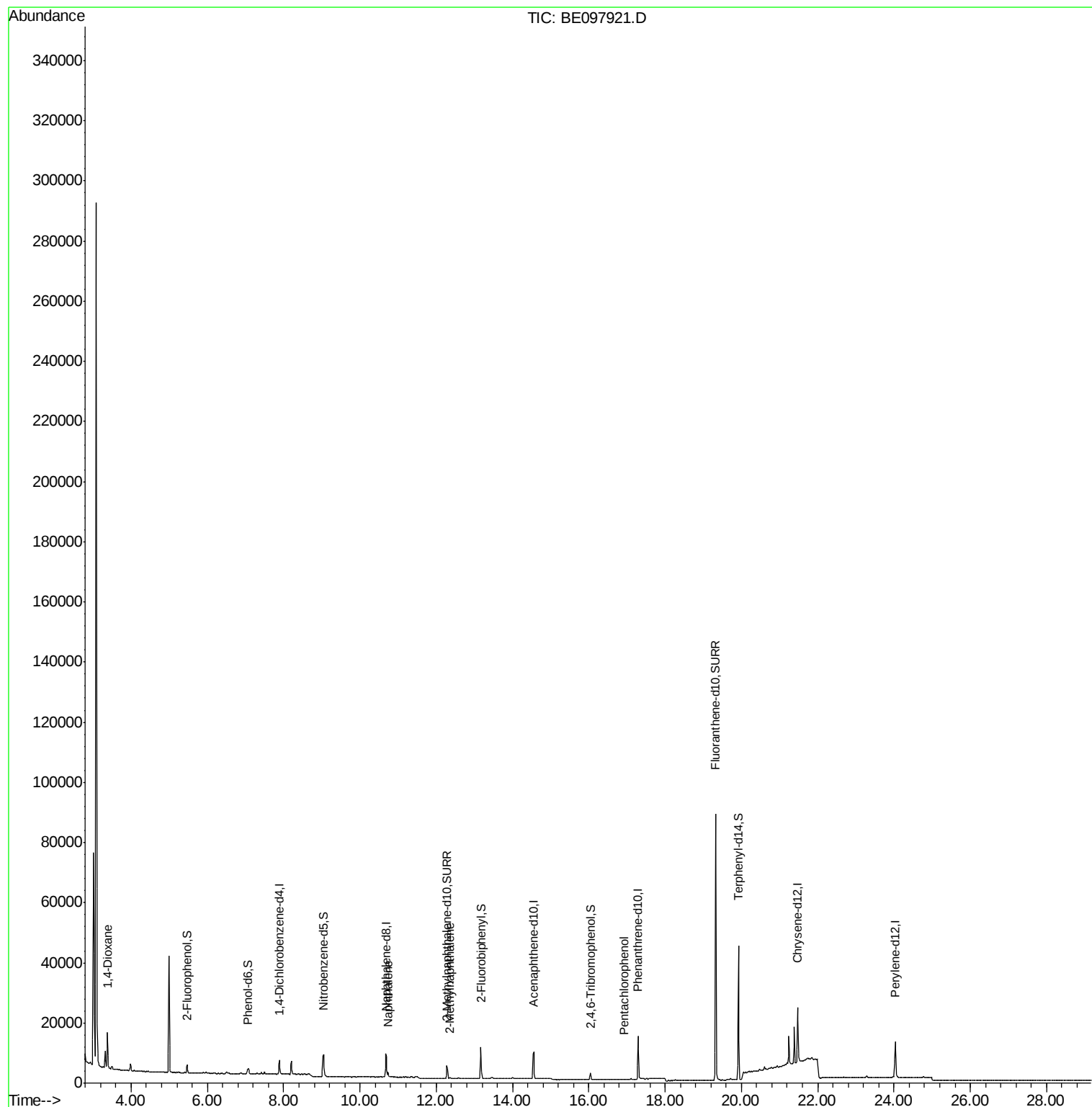
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	6931	1.891	ng	95
9) Naphthalene	10.73	128	2901	0.031	ng	# 91
12) 2-Methylnaphthalene	12.35	142	374	0.023	ng	# 85
22) Pentachlorophenol	16.93	266	8	0.033	ng	# 70
32) Bis(2-ethylhexyl)phthalate	21.39	149	13927	Below Cal		99
33) Indeno(1,2,3-cd)pyrene	26.72	276	73	Below Cal	#	61

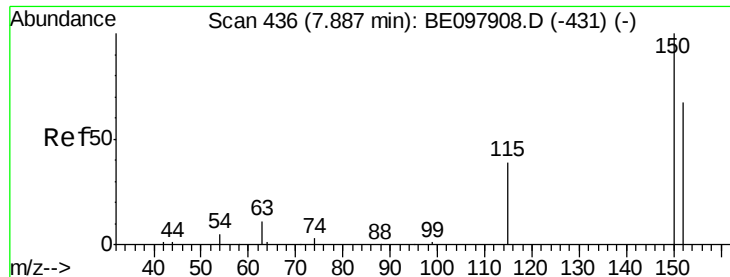
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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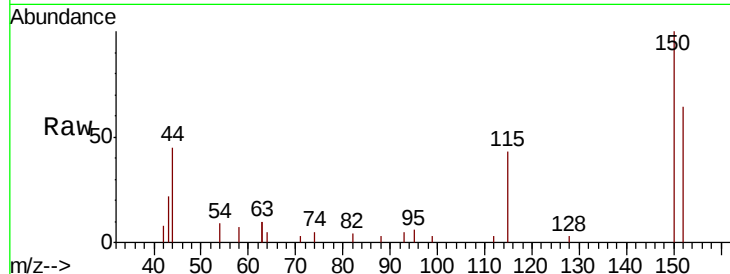


#1

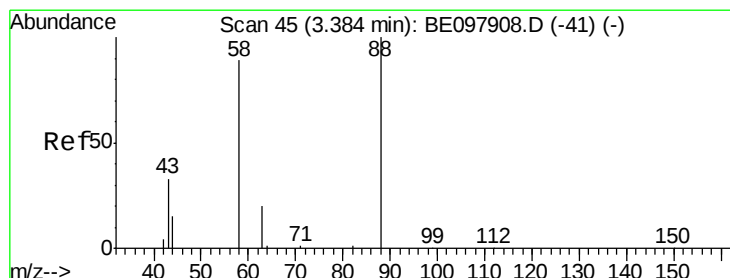
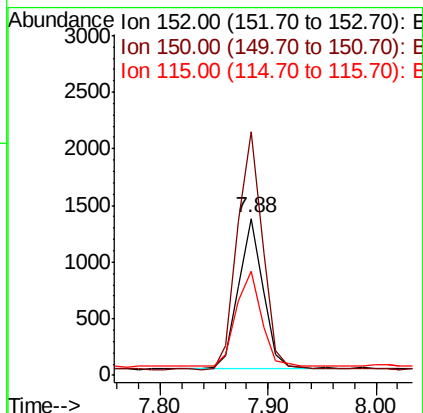
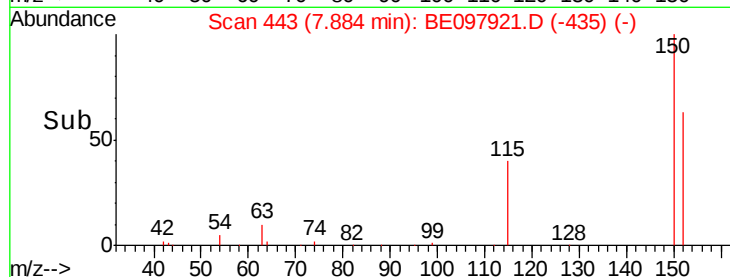
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 443
Delta R.T. -0.00 min
Lab File: BE097921.D
Acq: 16 Oct 2018 21:57

Instrument :
BNA_E
ClientSampleId :
RE-123D1-20181009

Tot Ion:152 Resp: 2102
Ion Ratio Lower Upper
152 100
150 155.3 118.2 177.4
115 66.5 50.9 76.3



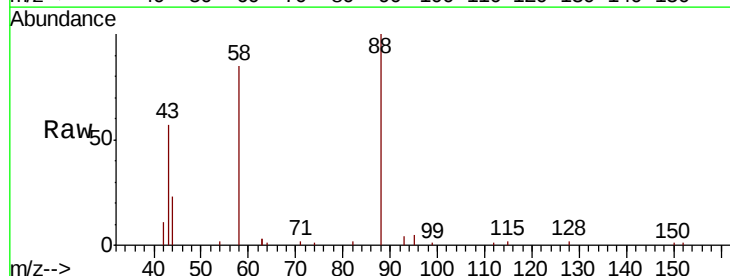
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



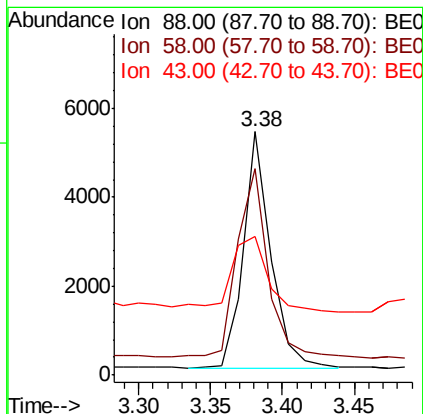
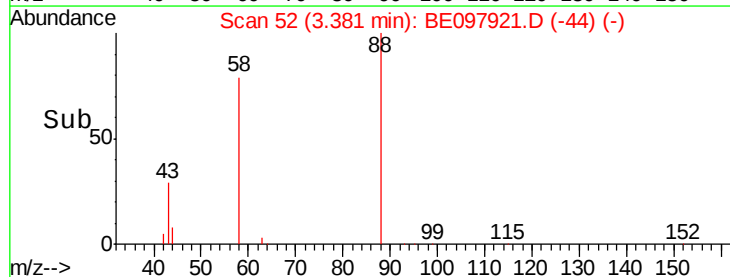
#2

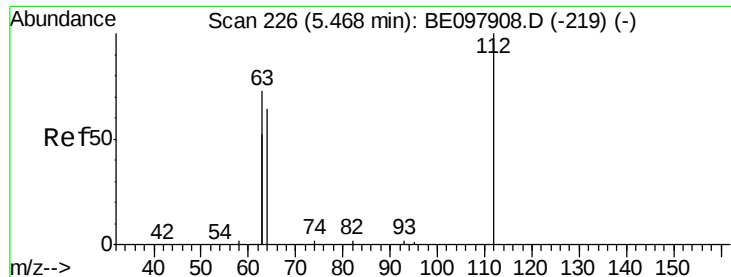
1,4-Dioxane
Concen: 1.891 ng
RT: 3.38 min Scan# 52
Delta R.T. -0.00 min
Lab File: BE097921.D
Acq: 16 Oct 2018 21:57

Tgt Ion: 88 Resp: 6931
Ion Ratio Lower Upper
88 100
58 87.4 73.2 109.8
43 41.5 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





#4

2-Fluorophenol

Concen: 0.204 ng

RT: 5.47 min Scan# 233

Delta R.T. -0.00 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

Instrument :

BNA_E

ClientSampleId :

RE-123D1-20181009

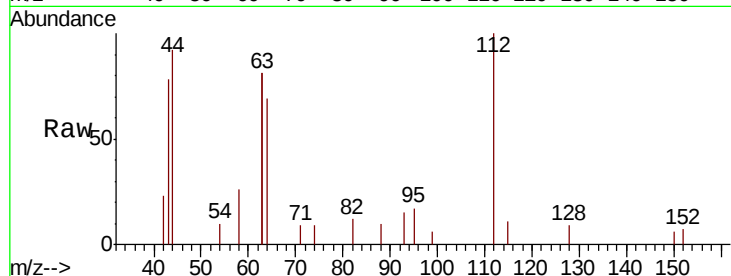
Tot Ion: 112 Resp: 1349

Ion Ratio Lower Upper

112 100

64 73.2 58.9 88.3

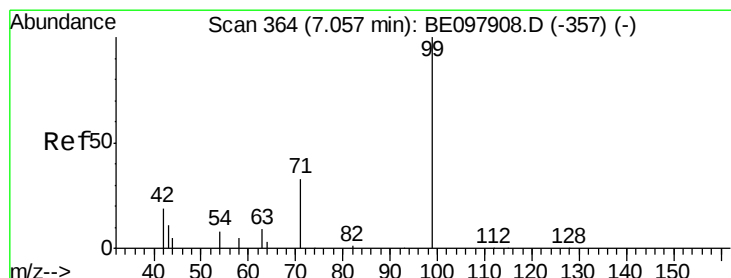
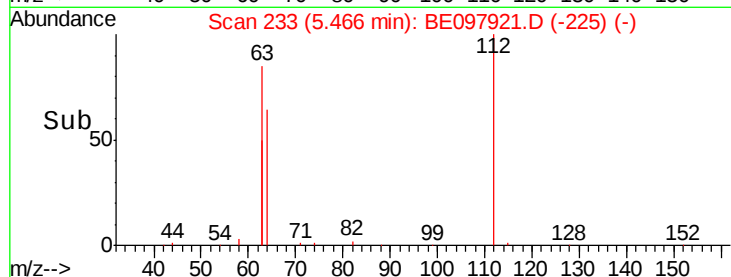
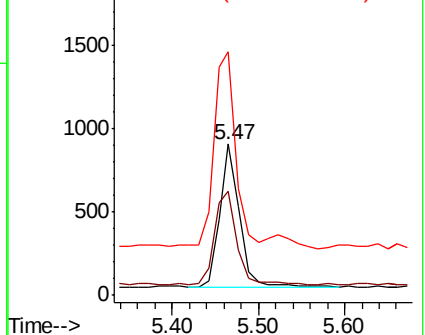
63 146.3 120.3 180.5



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: 0.126 ng

RT: 7.05 min Scan# 371

Delta R.T. -0.00 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

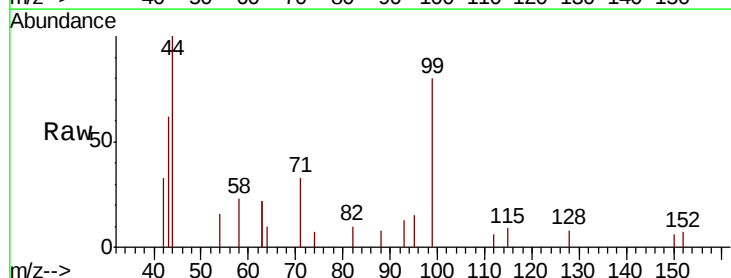
Tgt Ion: 99 Resp: 1234

Ion Ratio Lower Upper

99 100

42 32.0 19.9 29.9#

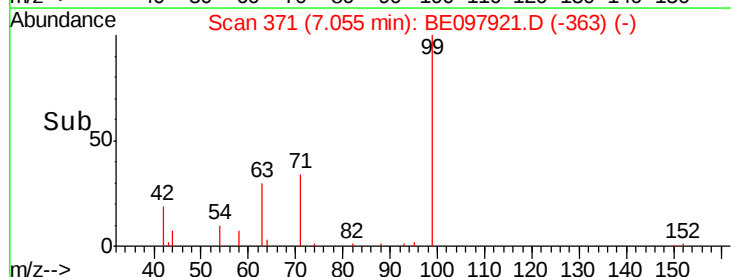
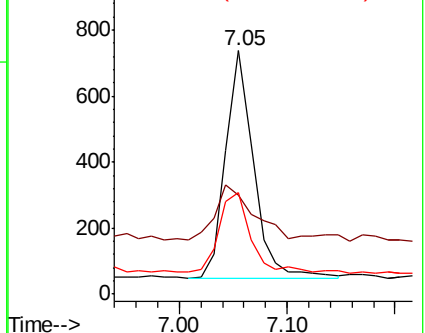
71 40.4 27.8 41.8

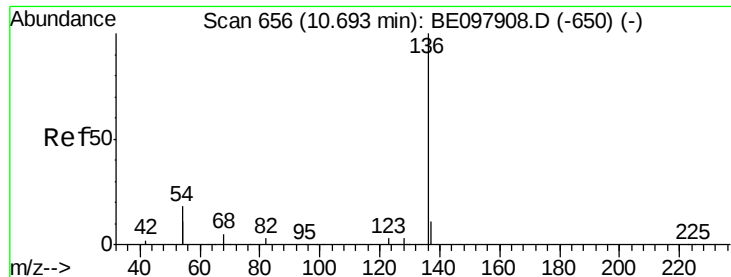


Abundance Ion 99.00 (98.70 to 99.70): BE0

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# 663

Delta R.T. -0.00 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

Instrument :

BNA_E

ClientSampleId :

RE-123D1-20181009

Tot Ion:136 Resp: 9455

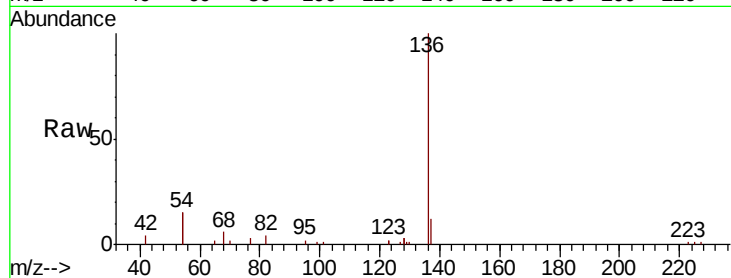
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 30.6 27.7 41.5

68 5.5 5.3 7.9

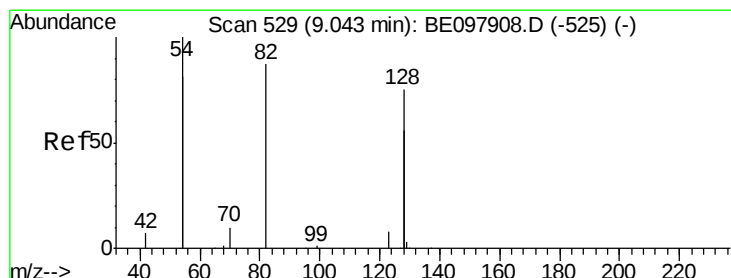
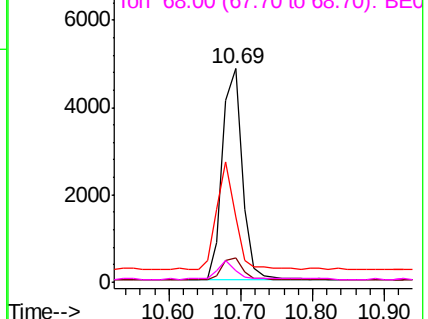
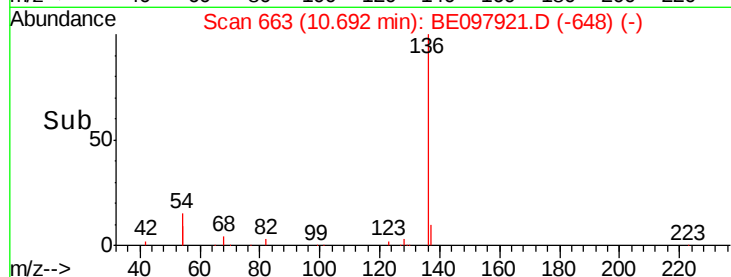


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.392 ng

RT: 9.04 min Scan# 536

Delta R.T. -0.00 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

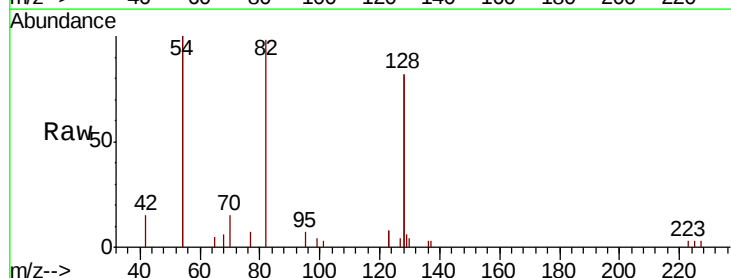
Tgt Ion: 82 Resp: 3511

Ion Ratio Lower Upper

82 100

128 167.3 129.9 194.9

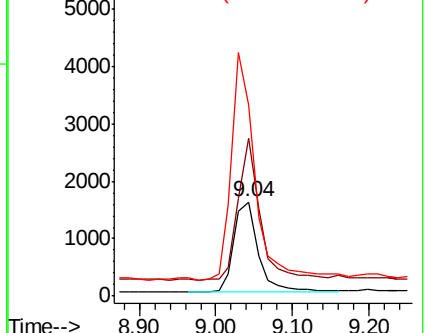
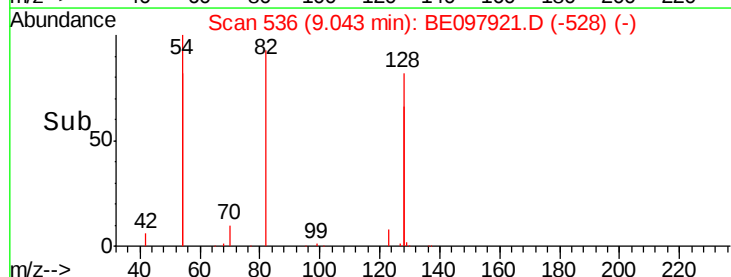
54 203.5 174.0 261.0

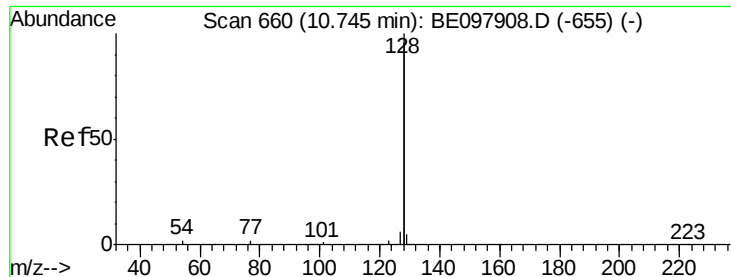


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.031 ng

RT: 10.73 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

Instrument :

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RE-123D1-20181009

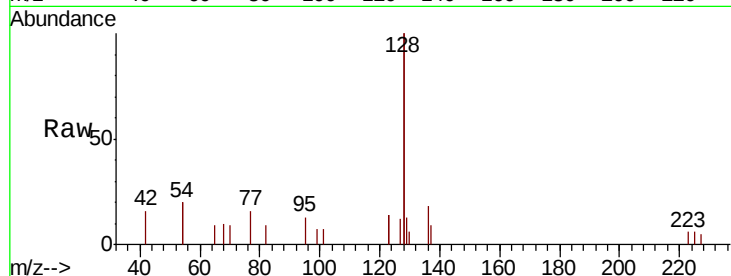
Tot Ion:128 Resp: 2901

Ion Ratio Lower Upper

128 100

129 6.3 2.5 3.7#

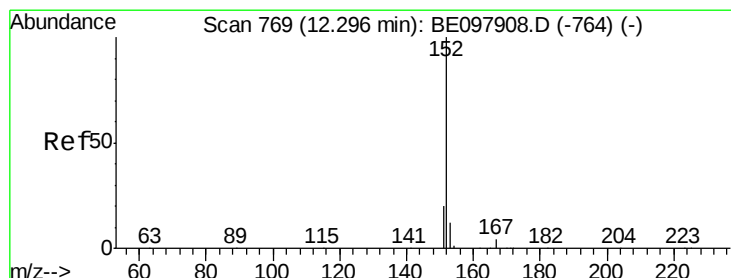
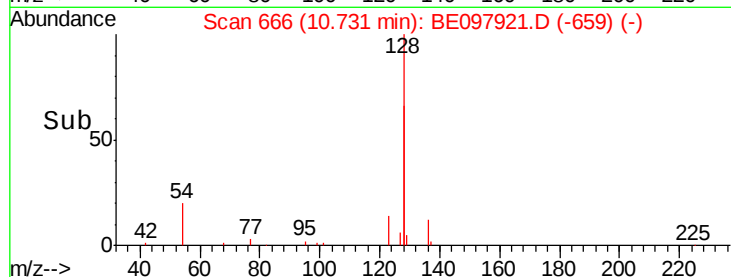
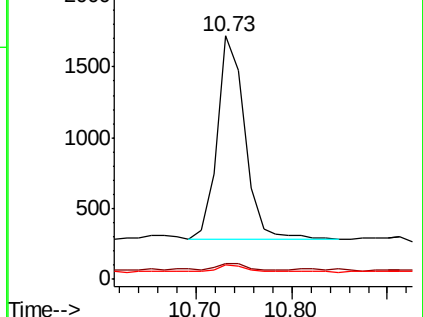
127 6.0 2.8 4.2#



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



#11

2-Methylnaphthalene-d10

Concen: 0.411 ng

RT: 12.28 min Scan# 775

Delta R.T. -0.01 min

Lab File: BE097921.D

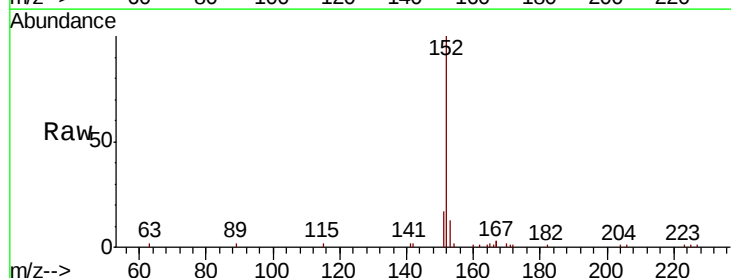
Acq: 16 Oct 2018 21:57

Tgt Ion:152 Resp: 6457

Ion Ratio Lower Upper

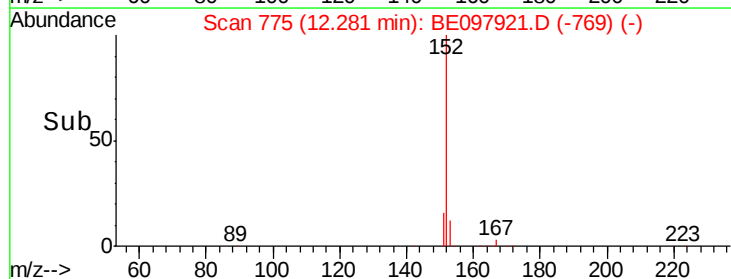
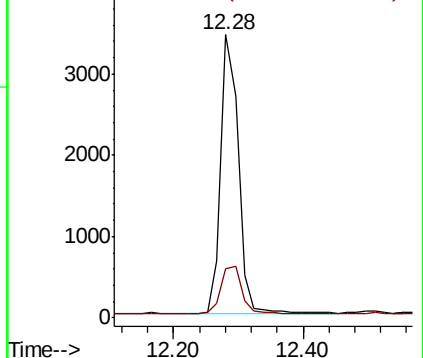
152 100

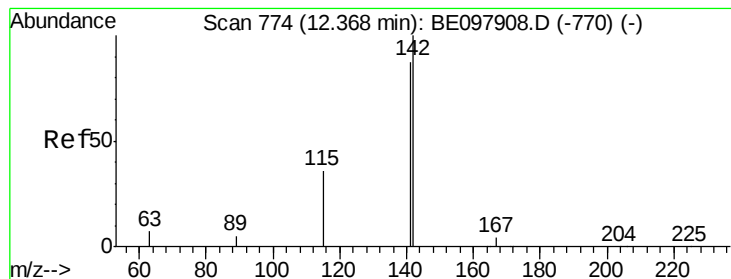
151 19.8 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.023 ng

RT: 12.35 min Scan# 780

Delta R.T. -0.01 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

Instrument :

BNA_E

ClientSampleId :

RE-123D1-20181009

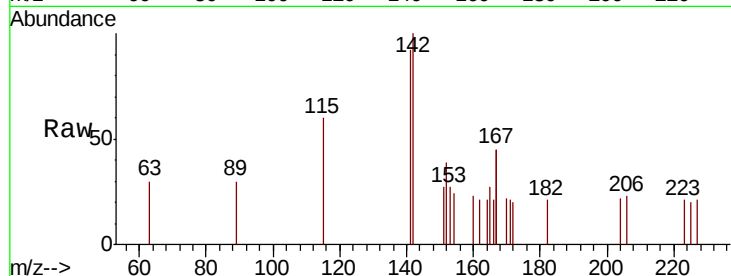
Tot Ion:142 Resp: 374

Ion Ratio Lower Upper

142 100

141 91.8 69.8 104.6

115 60.1 30.5 45.7#



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

12.35

250

200

150

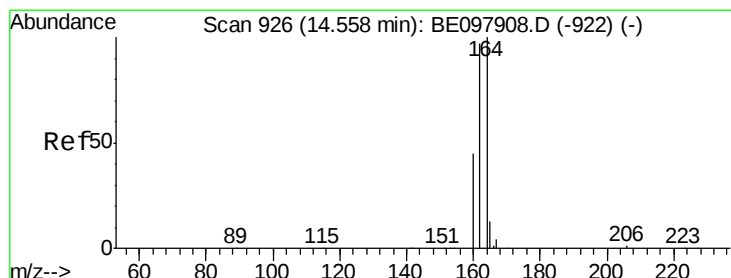
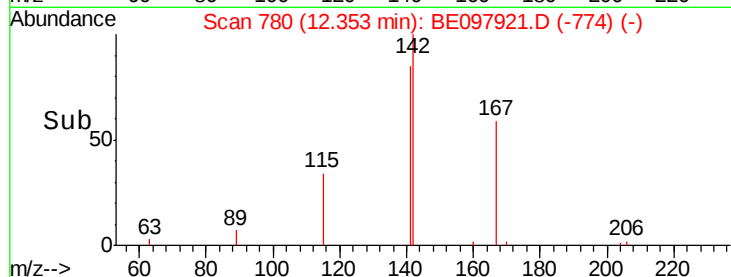
100

50

0

12.30 12.35 12.40

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.56 min Scan# 933

Delta R.T. -0.00 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

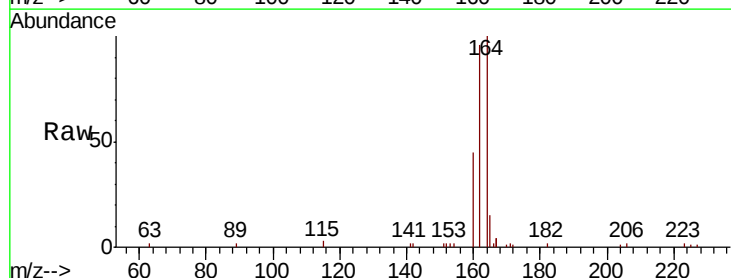
Tgt Ion:164 Resp: 6485

Ion Ratio Lower Upper

164 100

162 96.2 77.4 116.2

160 45.3 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

4000

3000

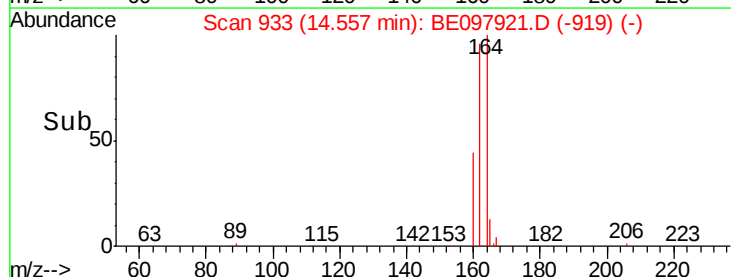
2000

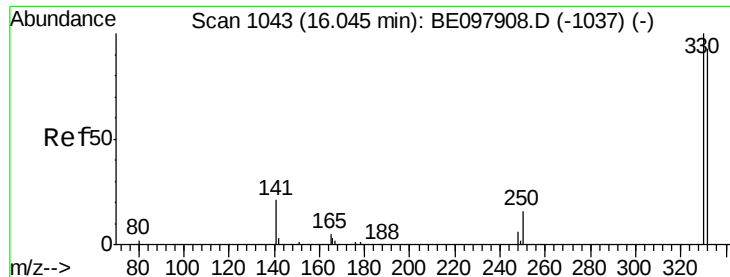
1000

0

14.40 14.50 14.60 14.70

Time-->

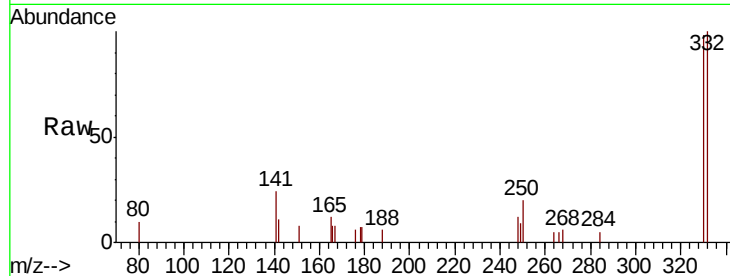




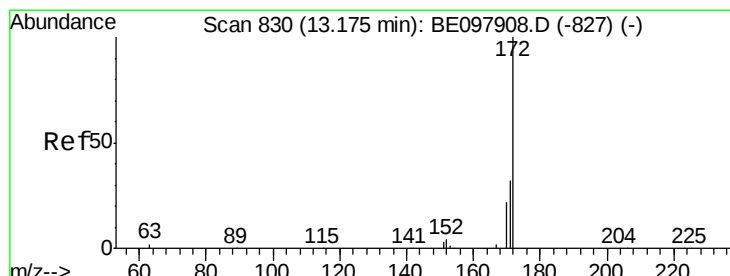
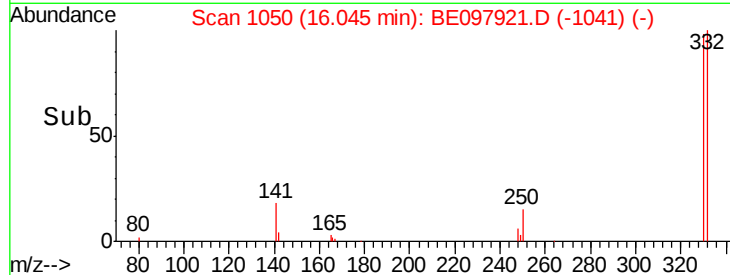
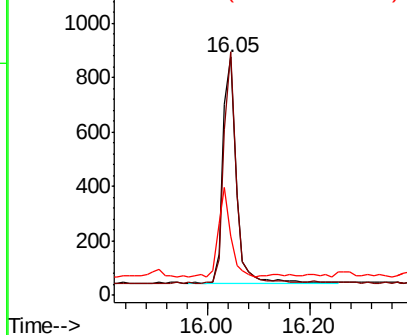
#14
 2,4,6-Tribromophenol
 Concen: 0.429 ng
 RT: 16.05 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BE097921.D
 Acq: 16 Oct 2018 21:57

Instrument :
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 RE-123D1-20181009

Tot Ion:330 Resp: 1496
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.5 114.7
 141 38.3 31.8 47.6

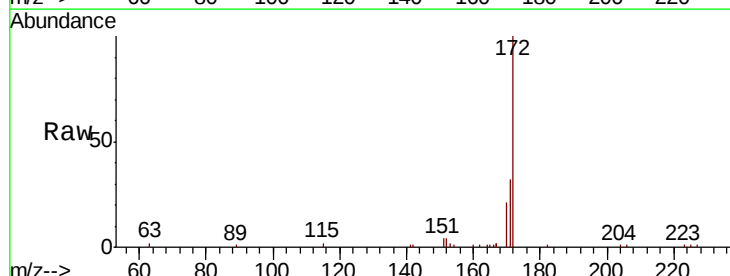


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

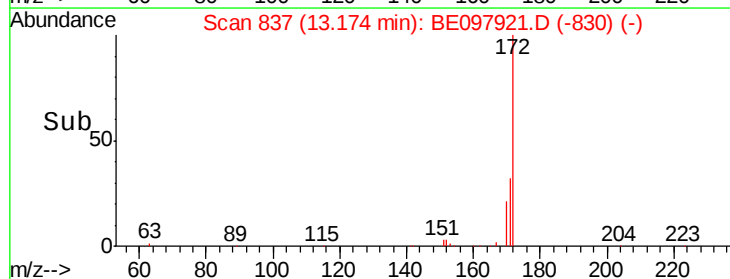
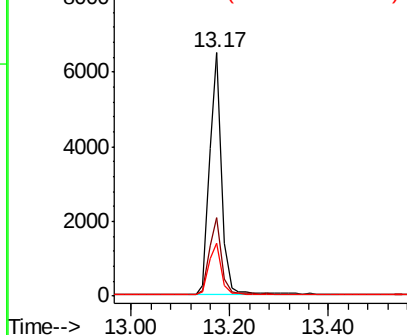


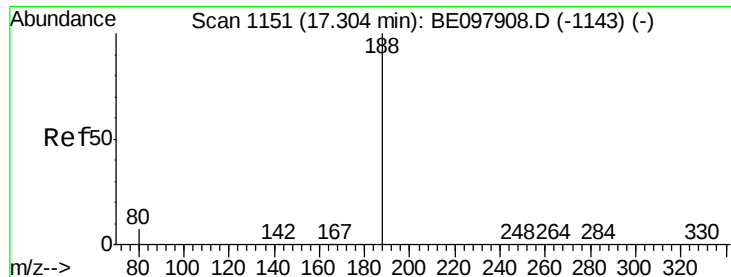
#15
 2-Fluorobiphenyl
 Concen: 0.409 ng
 RT: 13.17 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: BE097921.D
 Acq: 16 Oct 2018 21:57

Tgt Ion:172 Resp: 10827
 Ion Ratio Lower Upper
 172 100
 171 32.1 26.0 39.0
 170 21.5 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# 1157

Delta R.T. -0.01 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

Instrument :

BNA_E

ClientSampleId :

RE-123D1-20181009

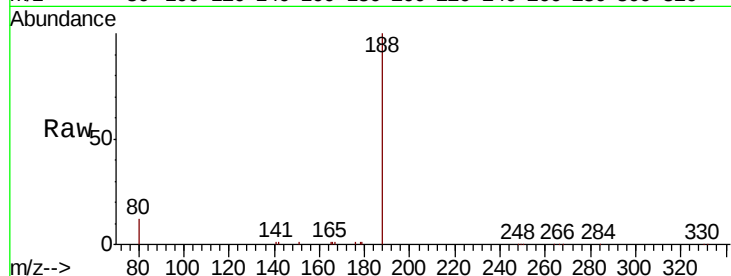
Tot Ion:188 Resp: 19696

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

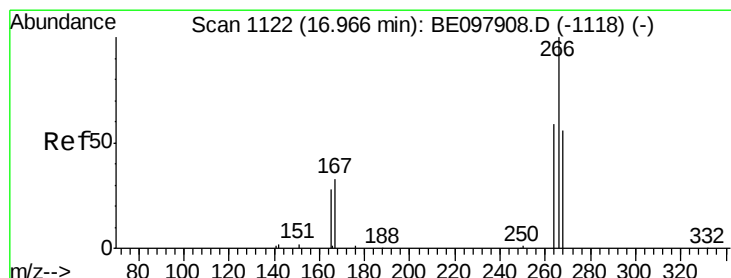
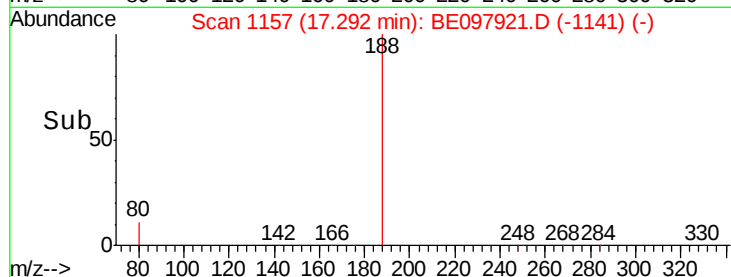
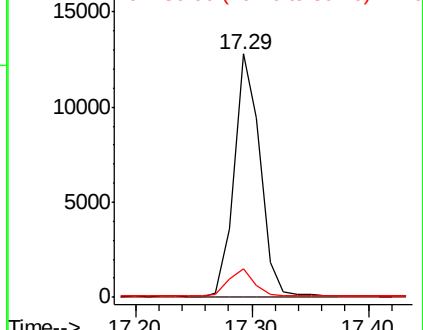
80 12.0 6.3 9.5#



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: 0.033 ng

RT: 16.93 min Scan# 1126

Delta R.T. -0.03 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

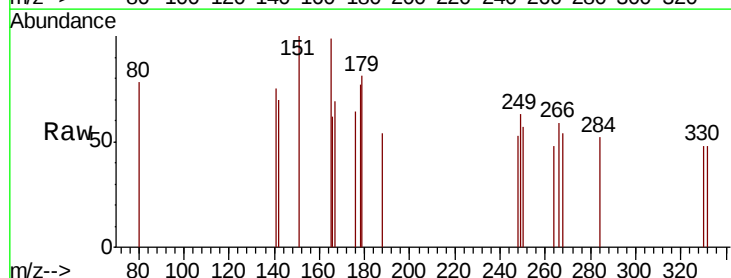
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 82.5 51.3 76.9#

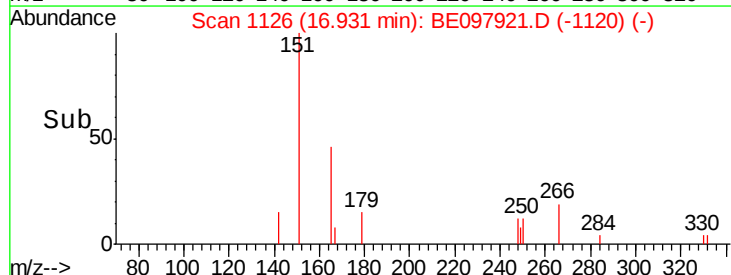
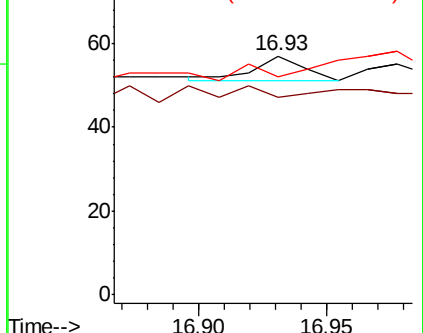
268 91.2 50.1 75.1#

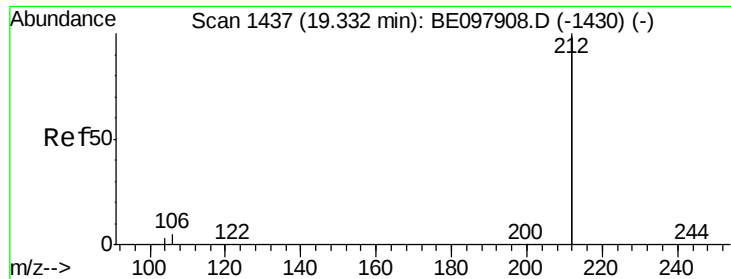


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

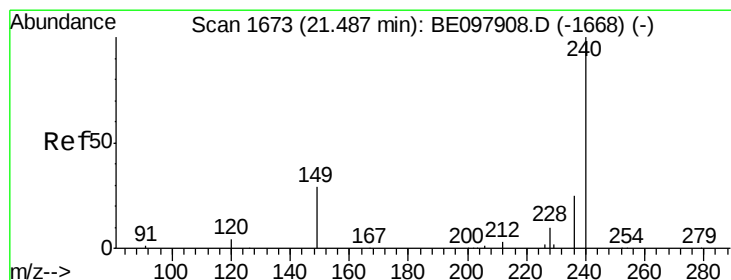
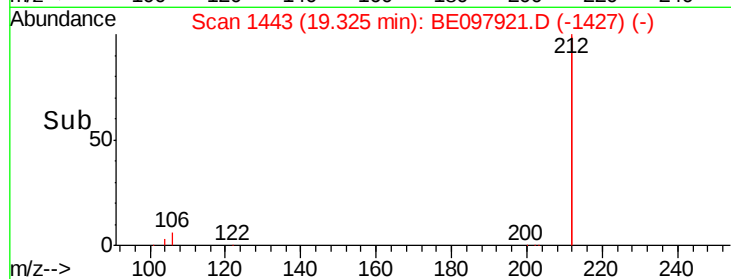
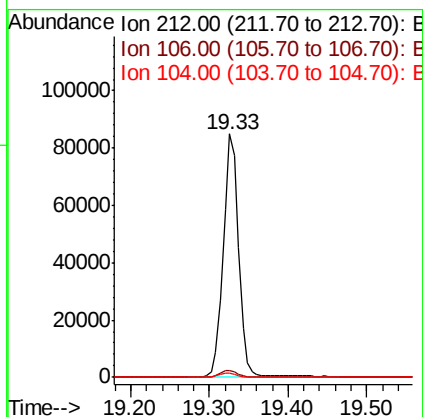
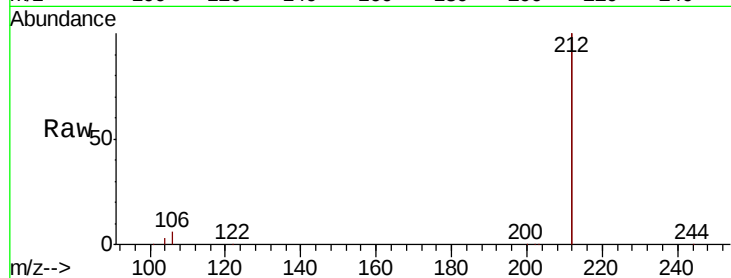




#25
 Fluoranthene-d10
 Concen: 0.427 ng
 RT: 19.33 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BE097921.D
 Acq: 16 Oct 2018 21:57

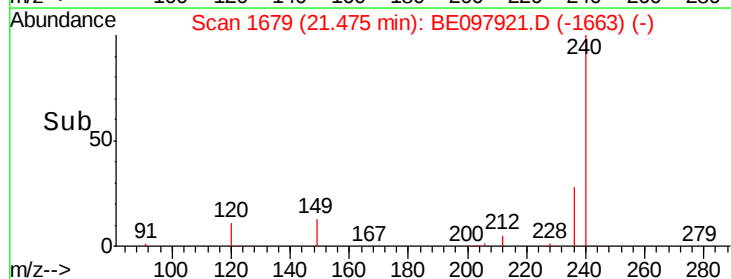
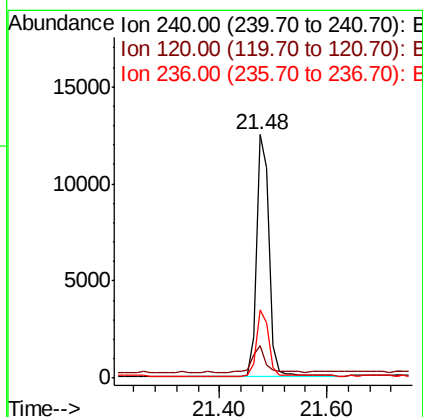
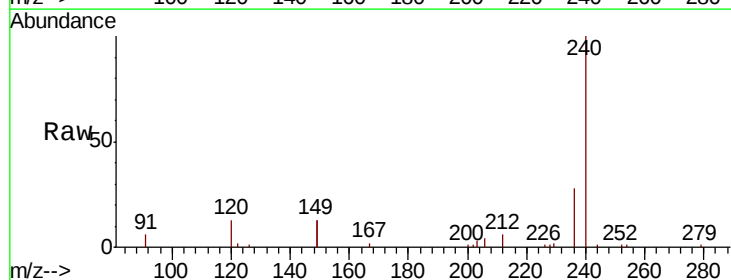
Instrument :
 BNA_E
 ClientSampleId :
 RE-123D1-20181009

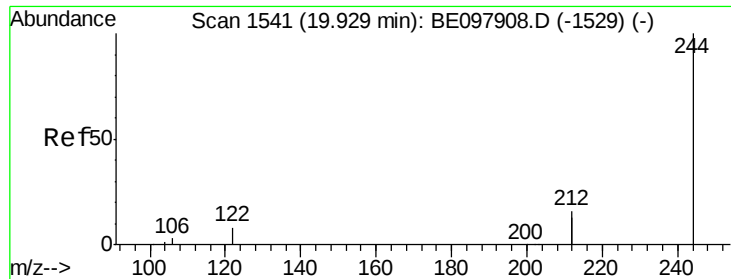
Tot Ion:212 Resp: 113885
 Ion Ratio Lower Upper
 212 100
 106 2.8 2.3 3.5
 104 1.6 1.3 1.9



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.48 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: BE097921.D
 Acq: 16 Oct 2018 21:57

Tgt Ion:240 Resp: 20184
 Ion Ratio Lower Upper
 240 100
 120 13.5 7.1 10.7#
 236 28.3 21.3 31.9





#29

Terphenyl-d14

Concen: 0.782 ng

RT: 19.92 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

Instrument :

BNA_E

ClientSampleId :

RE-123D1-20181009

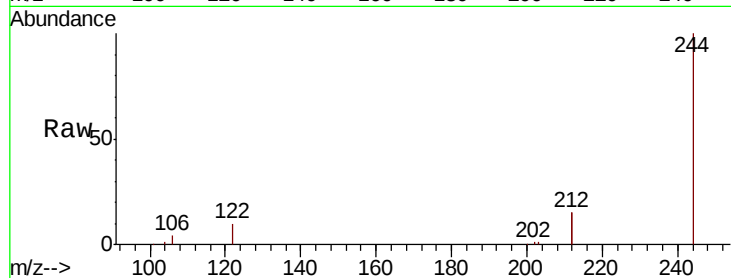
Tot Ion:244 Resp: 36198

Ion Ratio Lower Upper

244 100

212 30.6 26.2 39.2

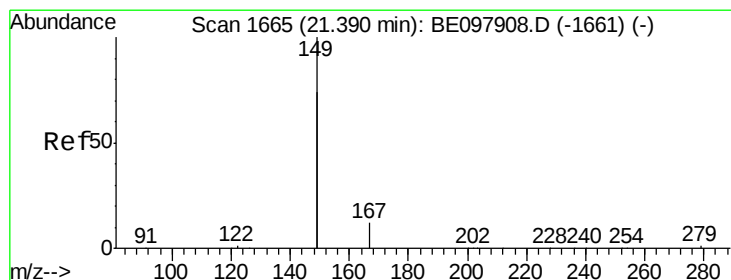
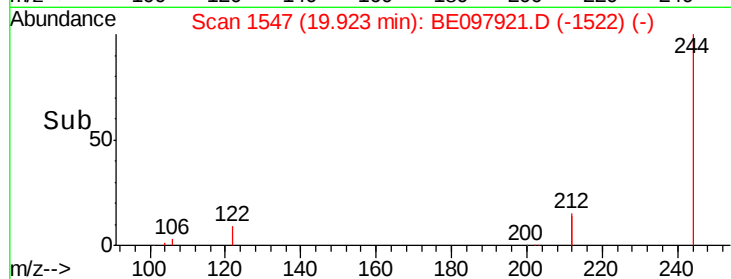
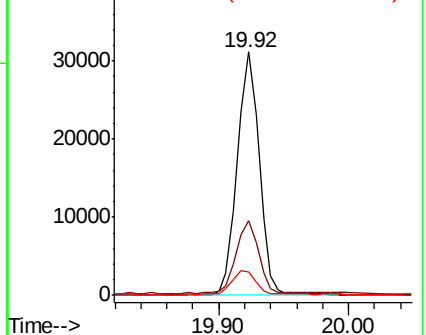
122 9.8 7.7 11.5



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: Below Cal

RT: 21.39 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

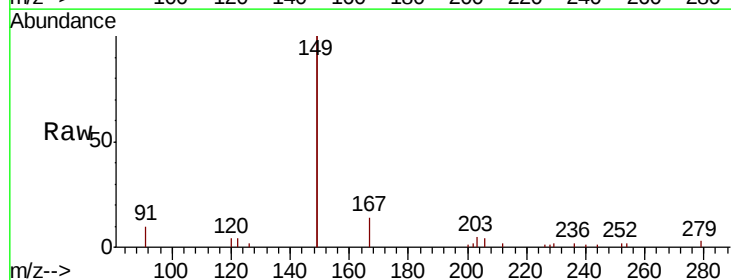
Tgt Ion:149 Resp: 13927

Ion Ratio Lower Upper

149 100

167 7.3 5.6 8.4

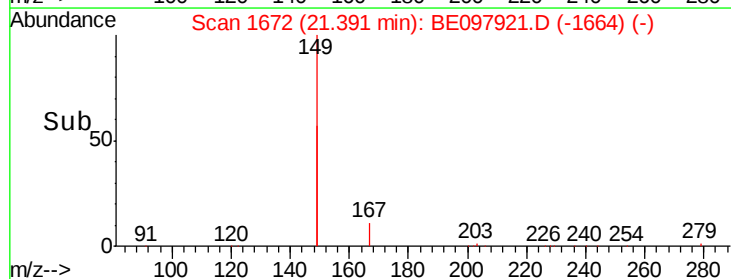
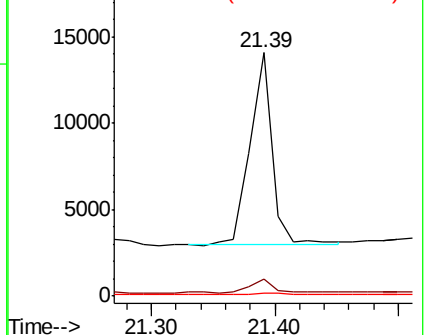
279 1.3 0.9 1.3

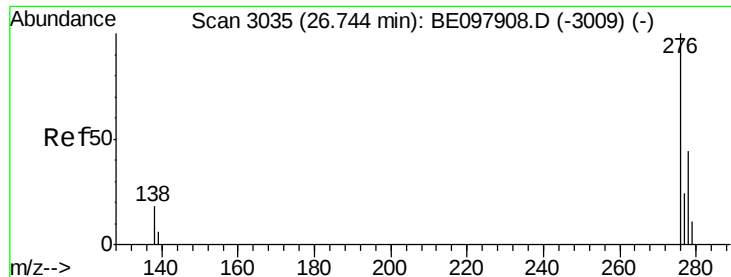


Abundance Ion 149.00 (148.70 to 149.70): E

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: 26.72 min Scan# 3035

Delta R.T. -0.02 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

Instrument :

BNA_E

ClientSampleId :

RE-123D1-20181009

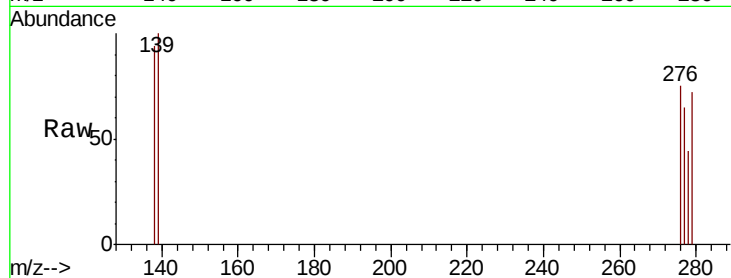
Tot Ion:276 Resp: 73

Ion Ratio Lower Upper

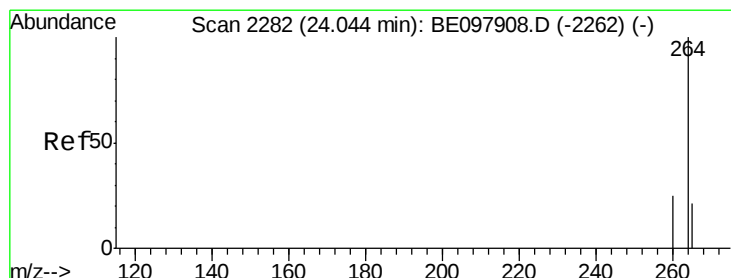
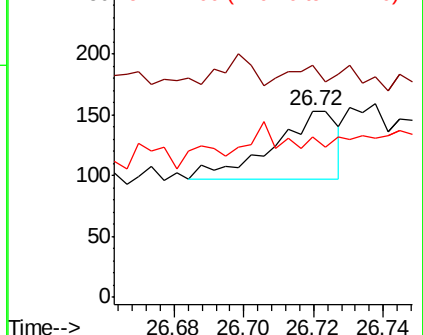
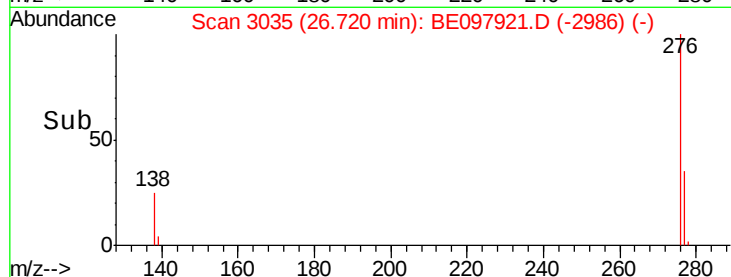
276 100

138 9.6 17.0 25.6#

277 0.0 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: 24.04 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BE097921.D

Acq: 16 Oct 2018 21:57

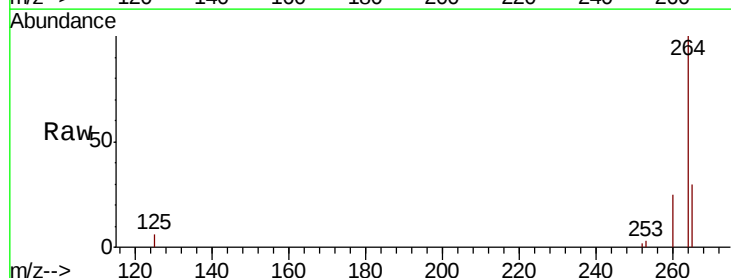
Tgt Ion:264 Resp: 17766

Ion Ratio Lower Upper

264 100

260 25.1 21.1 31.7

265 30.0 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

