

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100418\
 Data File : BE097740.D
 Acq On : 5 Oct 2018 00:07
 Operator : SJ/JU
 Sample : J5189-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-131D2-20180927

Quant Time: Oct 05 06:53:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 03 12:17:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	3233	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	12924	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	7033	0.40	ng	0.00
19) Phenanthrene-d10	17.30	188	19872	0.40	ng	0.00
27) Chrysene-d12	21.49	240	28767	0.40	ng	0.00
34) Perylene-d12	24.03	264	27243	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	1682	0.22	ng	0.00
5) Phenol-d6	7.05	99	1325	0.11	ng	0.00
8) Nitrobenzene-d5	9.04	82	3015	0.72	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	8429	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.05	330	735	0.58	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	14926	0.48	ng	-0.02
25) Fluoranthene-d10	19.33	212	125308	0.50	ng	0.00
29) Terphenyl-d14	19.93	244	26616	0.45	ng	0.00

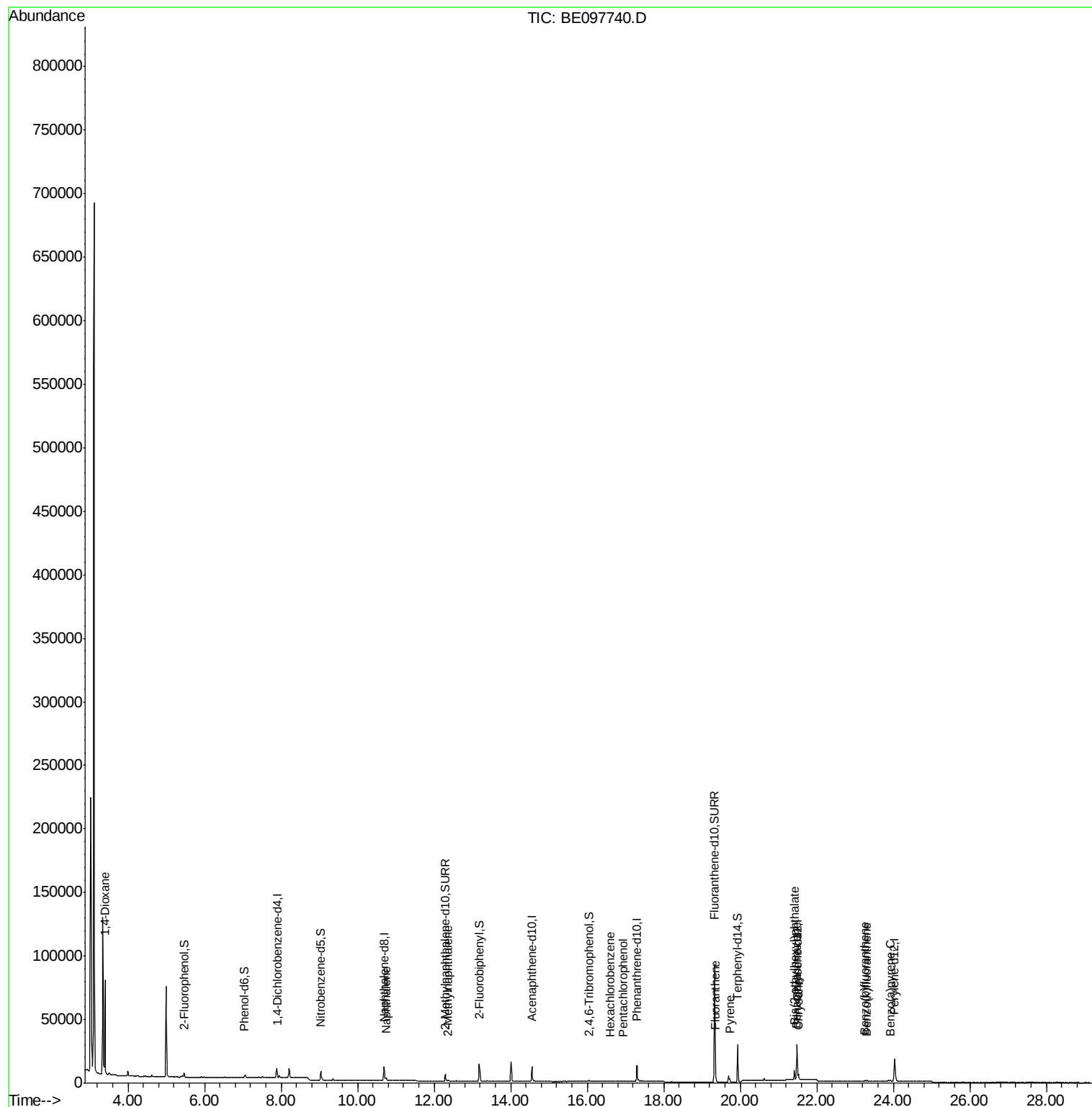
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	43539	6.759	ng	97
9) Naphthalene	10.74	128	3490	0.027	ng	# 92
12) 2-Methylnaphthalene	12.37	142	531	0.025	ng	# 94
21) Hexachlorobenzene	16.60	284	283	0.024	ng	# 75
22) Pentachlorophenol	16.94	266	41	0.022	ng	# 59
26) Fluoranthene	19.36	202	2471	0.038	ng	# 94
28) Pyrene	19.72	202	2872	0.039	ng	98
30) Benzo(a)anthracene	21.46	228	3140	0.041	ng	93
31) Chrysene	21.52	228	3444	0.040	ng	96
32) Bis(2-ethylhexyl)phthalate	21.41	149	8525	0.151	ng	100
35) Benzo(b)fluoranthene	23.26	252	2099	0.028	ng	# 74
36) Benzo(k)fluoranthene	23.31	252	1742	0.021	ng	# 66
37) Benzo(a)pyrene	23.92	252	1524	0.023	ng	# 59

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100418\
Data File : BE097740.D
Acq On : 5 Oct 2018 00:07
Operator : SJ/JU
Sample : J5189-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE-131D2-20180927

Quant Time: Oct 05 06:53:06 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 03 12:17:19 2018
Response via : Initial Calibration



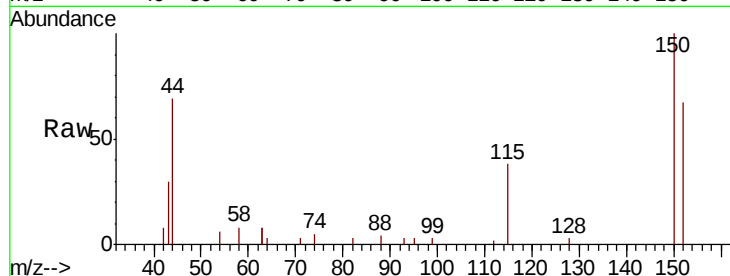


#1

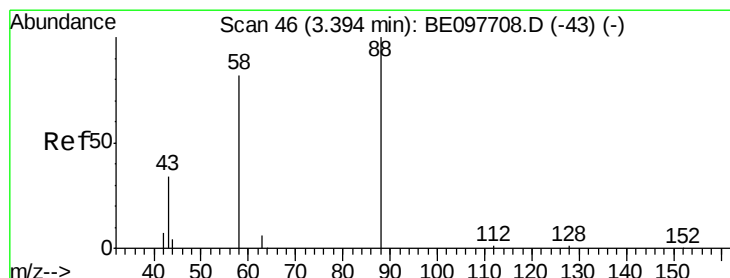
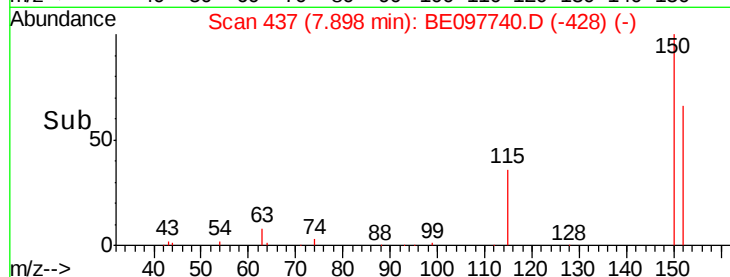
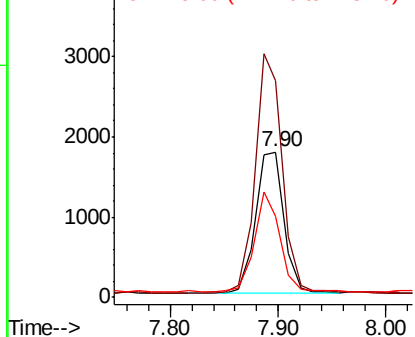
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. 0.00 min
Lab File: BE097740.D
Acq: 5 Oct 2018 00:07

Instrument :
BNA_E
ClientSampleId :
RE-131D2-20180927

Tgt Ion:152 Resp: 3233
Ion Ratio Lower Upper
152 100
150 149.1 120.9 181.3
115 56.0 46.6 69.8



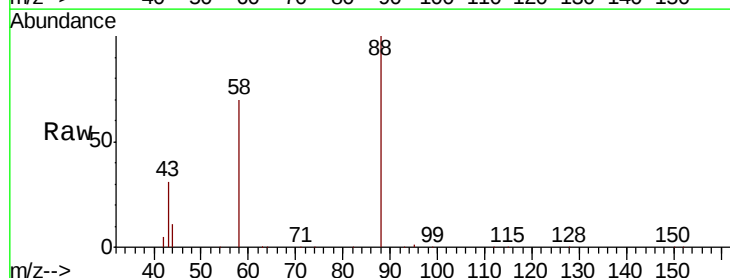
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



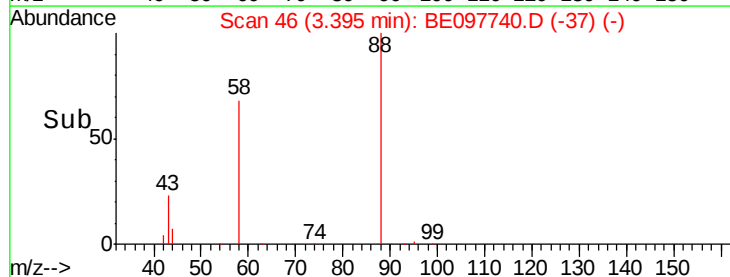
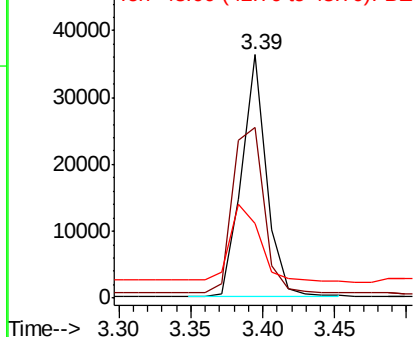
#2

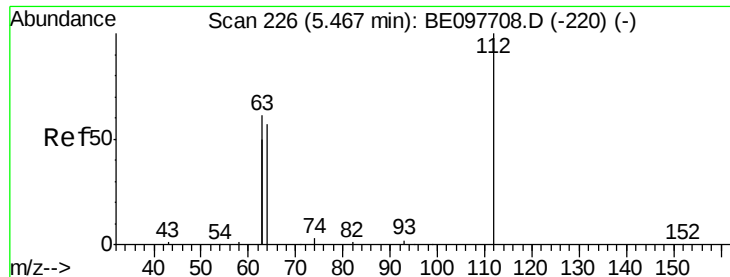
1,4-Dioxane
Concen: 6.759 ng
RT: 3.39 min Scan# 46
Delta R.T. 0.00 min
Lab File: BE097740.D
Acq: 5 Oct 2018 00:07

Tgt Ion: 88 Resp: 43539
Ion Ratio Lower Upper
88 100
58 86.5 70.8 106.2
43 37.9 33.3 49.9



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.220 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

ClientSampleId :

RE-131D2-20180927

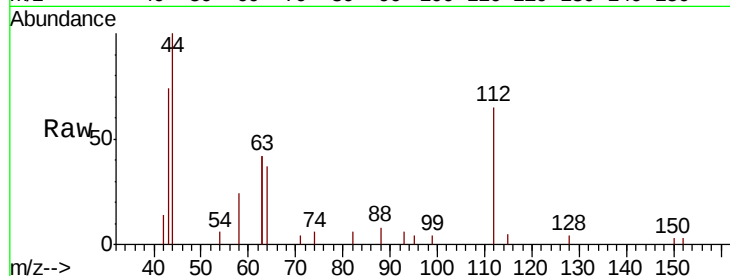
Tgt Ion: 112 Resp: 1682

Ion Ratio Lower Upper

112 100

64 65.5 56.6 84.8

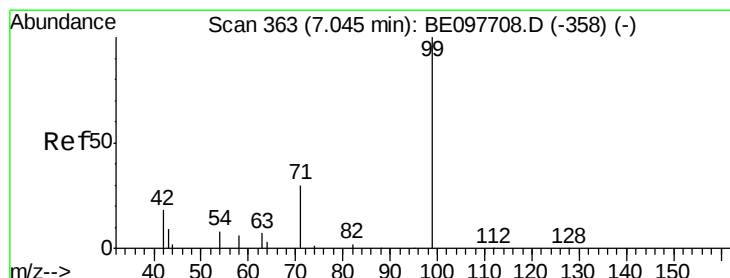
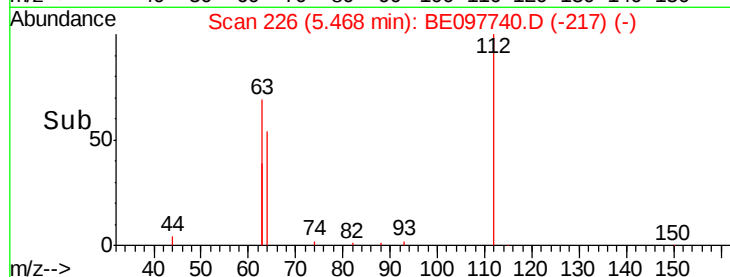
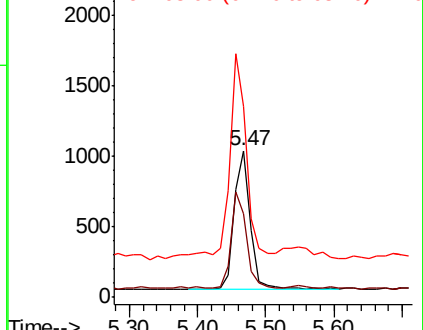
63 138.2 119.4 179.0



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.113 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

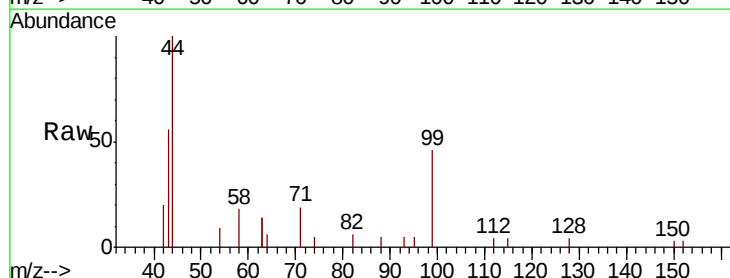
Tgt Ion: 99 Resp: 1325

Ion Ratio Lower Upper

99 100

42 35.2 19.9 29.9#

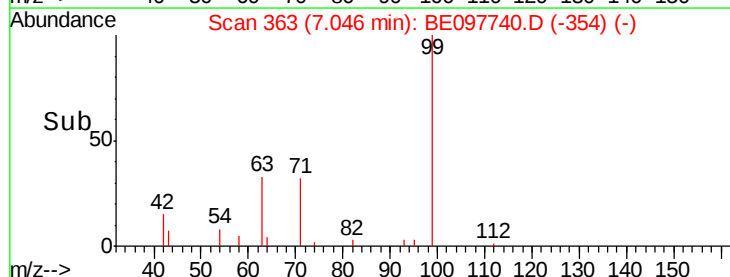
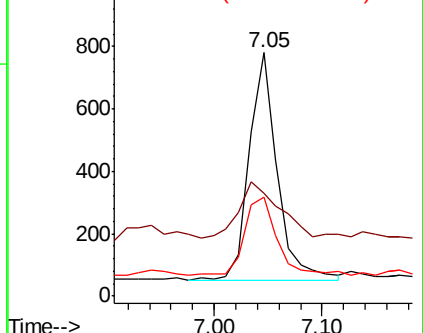
71 39.2 25.4 38.2#

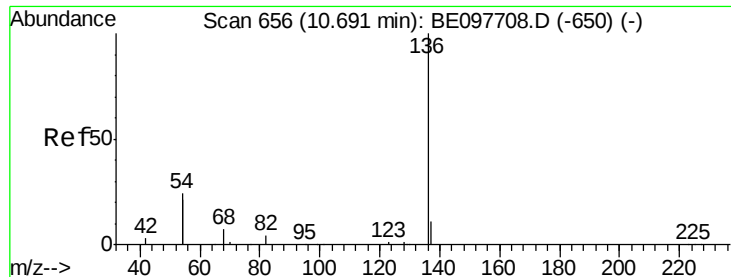


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

ClientSampleId :

RE-131D2-20180927

Tgt Ion:136 Resp: 12924

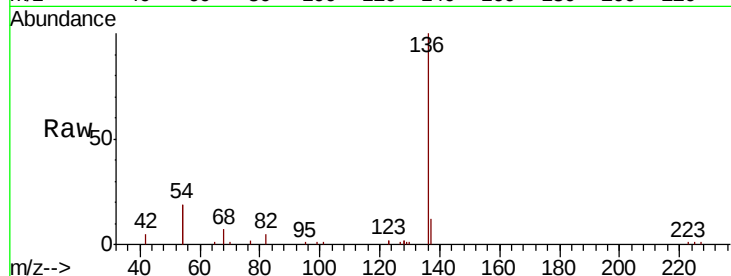
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.4

54 38.7 37.8 56.6

68 7.5 6.4 9.6

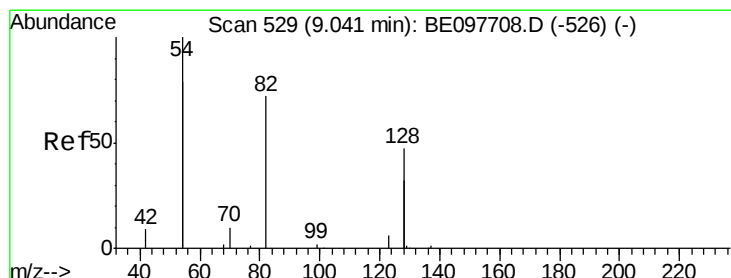
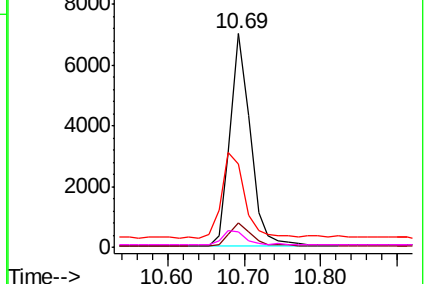
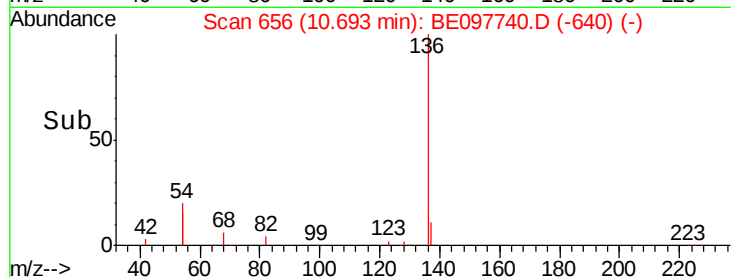


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.719 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

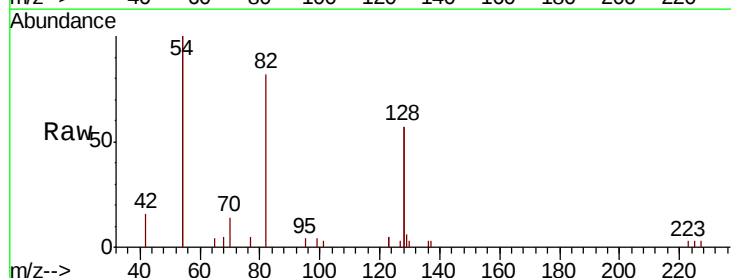
Tgt Ion: 82 Resp: 3015

Ion Ratio Lower Upper

82 100

128 137.5 97.0 145.4

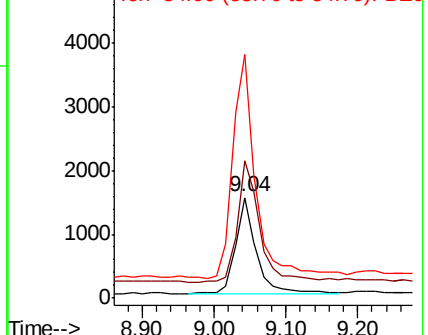
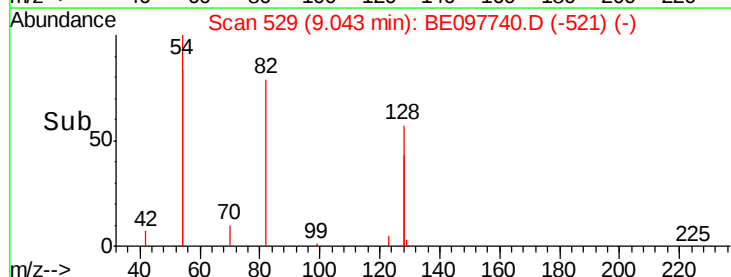
54 242.7 206.9 310.3

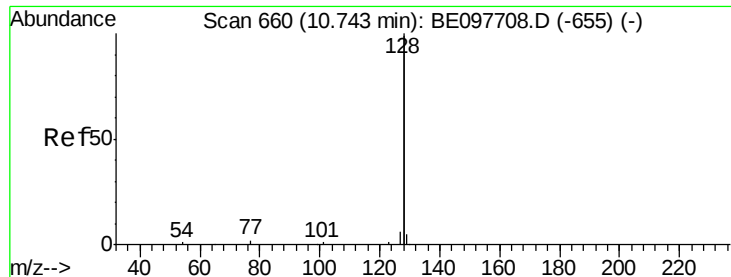


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.027 ng

RT: 10.74 min Scan# 660

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

ClientSampleId :

RE-131D2-20180927

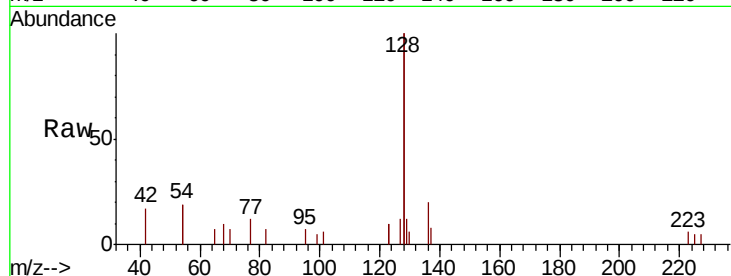
Tgt Ion:128 Resp: 3490

Ion Ratio Lower Upper

128 100

129 5.8 2.2 3.2#

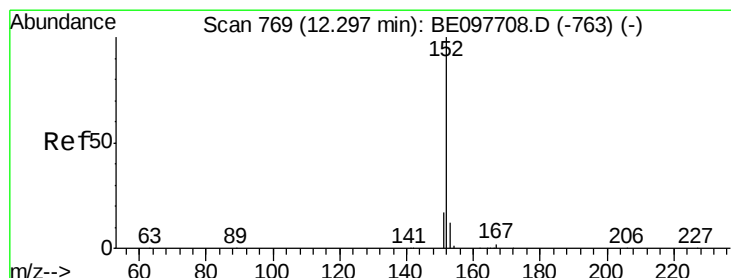
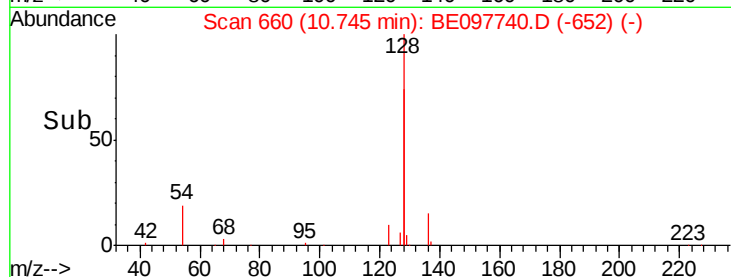
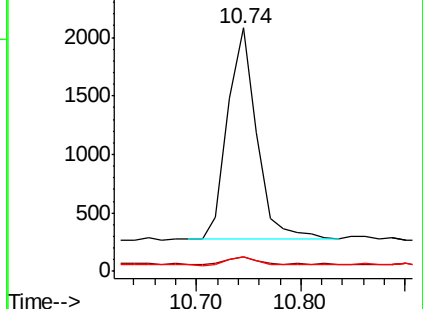
127 5.8 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.410 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE097740.D

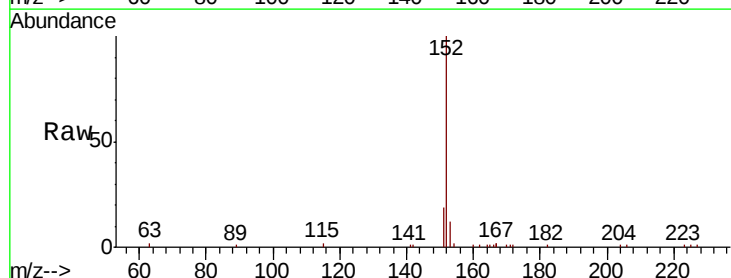
Acq: 5 Oct 2018 00:07

Tgt Ion:152 Resp: 8429

Ion Ratio Lower Upper

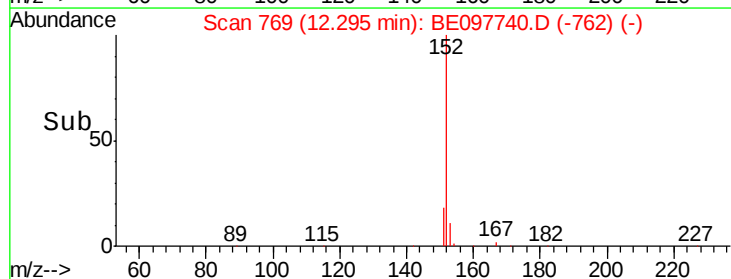
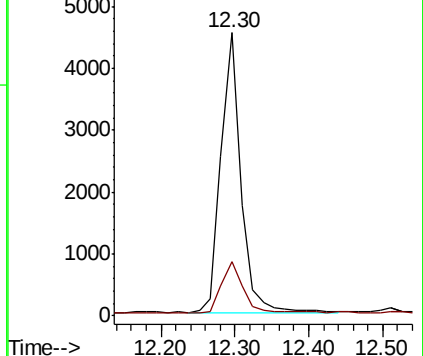
152 100

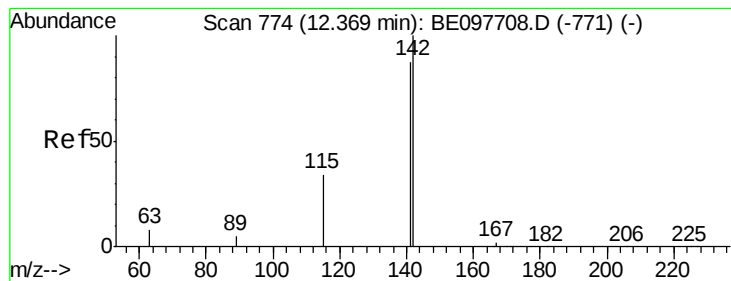
151 19.5 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.025 ng

RT: 12.37 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

ClientSampleId :

RE-131D2-20180927

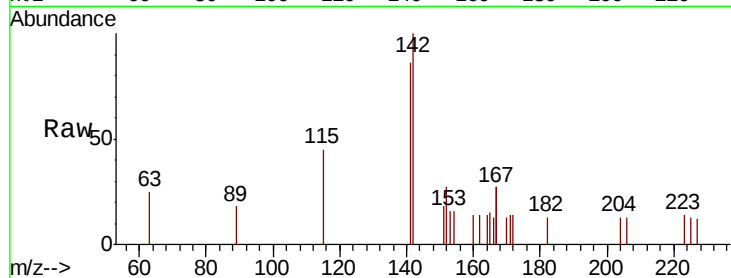
Tgt Ion:142 Resp: 531

Ion Ratio Lower Upper

142 100

141 86.0 69.4 104.2

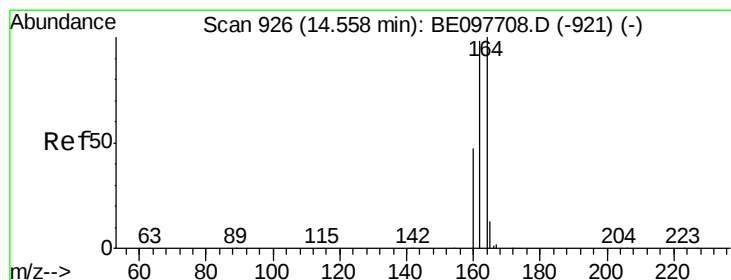
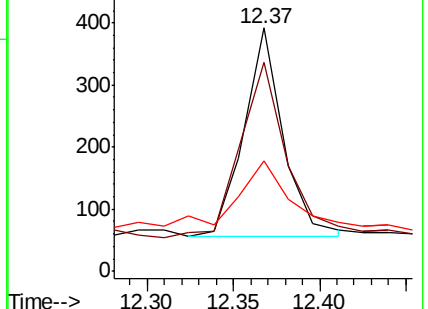
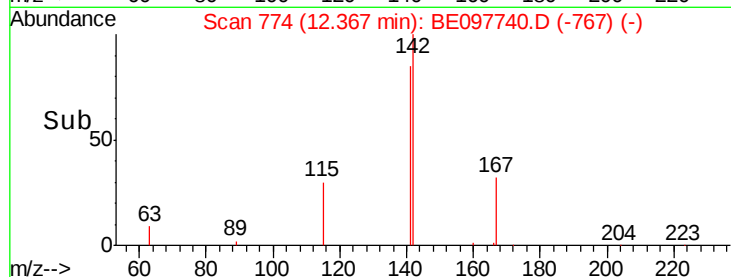
115 45.4 28.0 42.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.56 min Scan# 926

Delta R.T. -0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

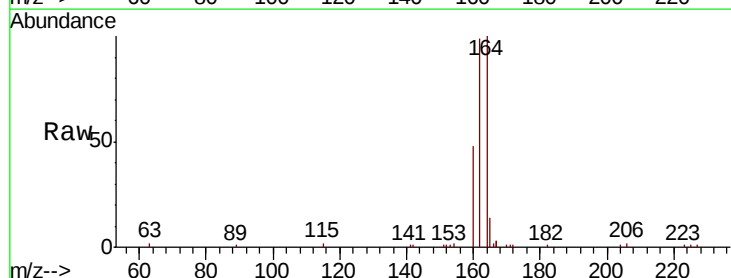
Tgt Ion:164 Resp: 7033

Ion Ratio Lower Upper

164 100

162 98.6 78.6 117.8

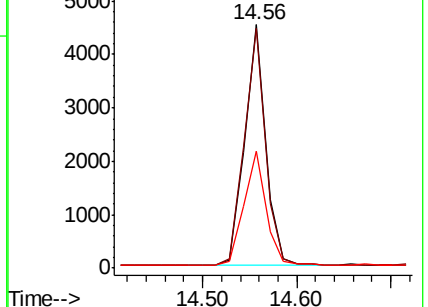
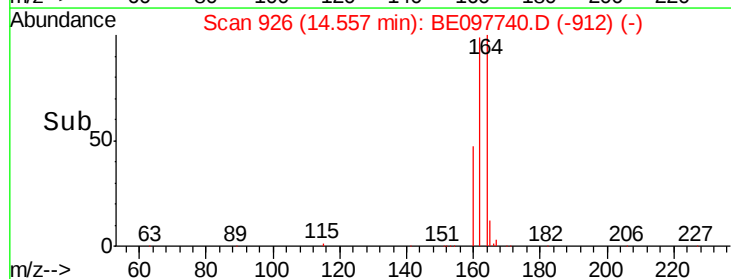
160 47.9 37.8 56.6

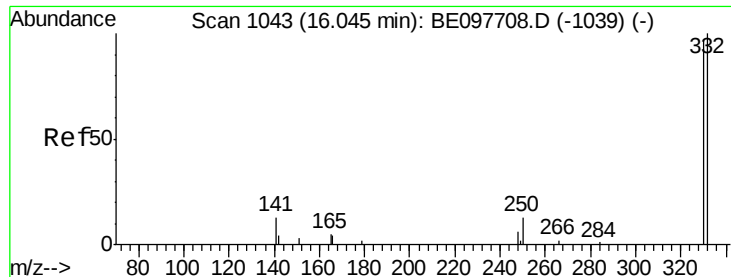


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.577 ng

RT: 16.05 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

ClientSampleId :

RE-131D2-20180927

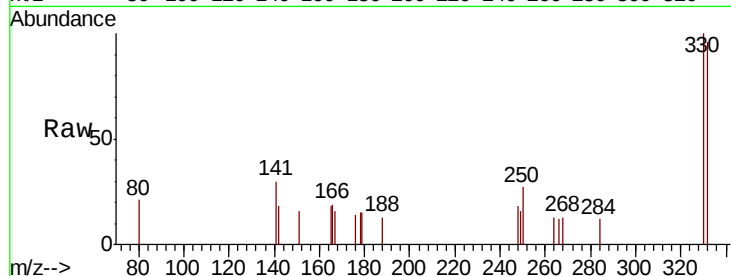
Tgt Ion:330 Resp: 735

Ion Ratio Lower Upper

330 100

332 100.0 83.5 125.3

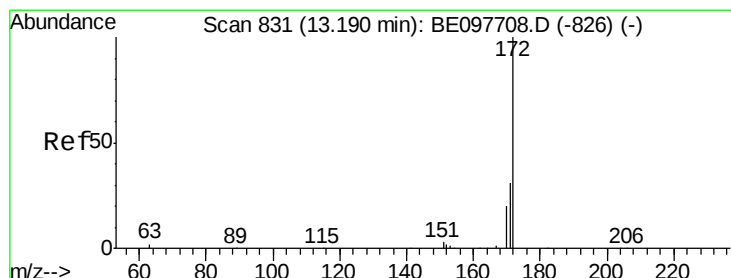
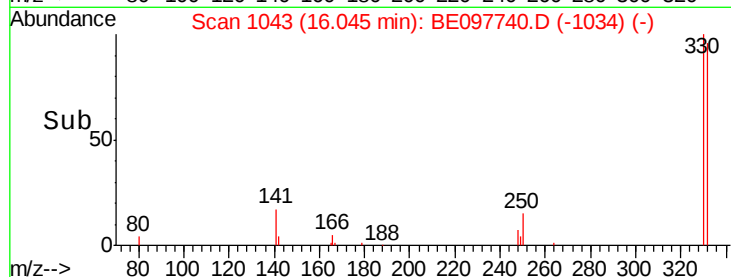
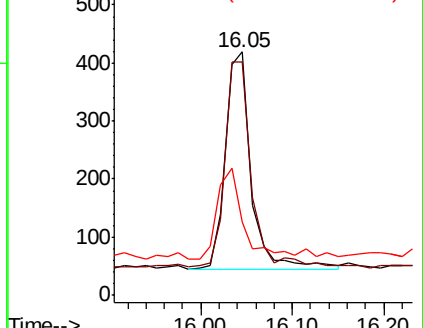
141 41.8 34.9 52.3



Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#15

2-Fluorobiphenyl

Concen: 0.482 ng

RT: 13.17 min Scan# 830

Delta R.T. -0.02 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

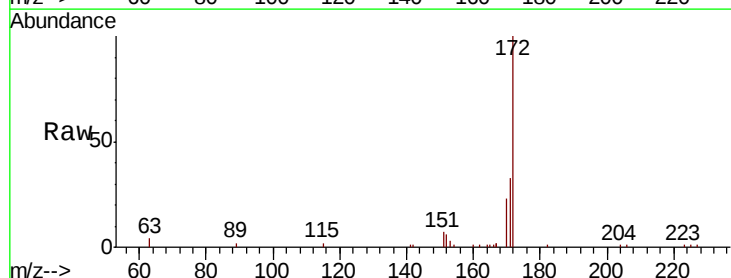
Tgt Ion:172 Resp: 14926

Ion Ratio Lower Upper

172 100

171 33.1 25.2 37.8

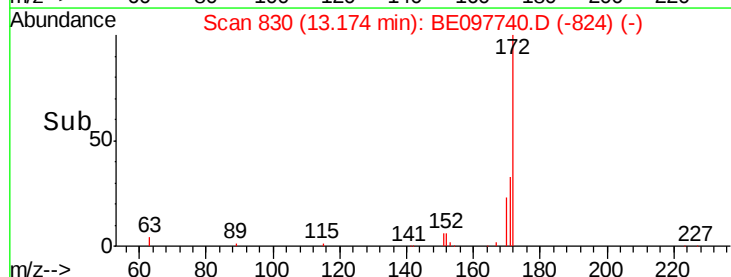
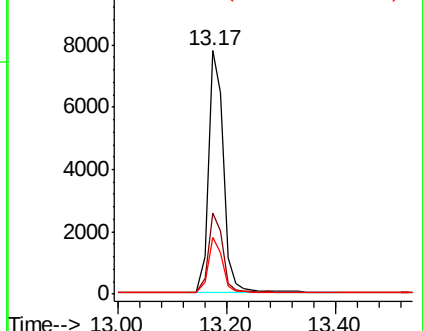
170 23.4 16.2 24.2

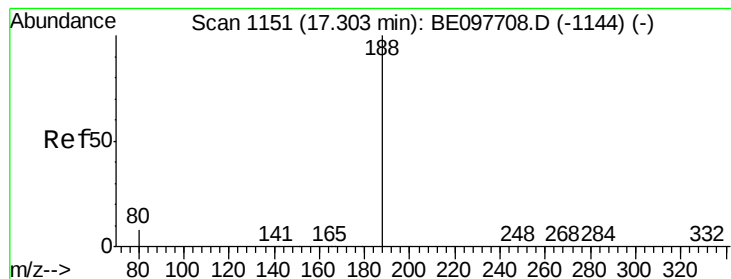


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.30 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

ClientSampleId :

RE-131D2-20180927

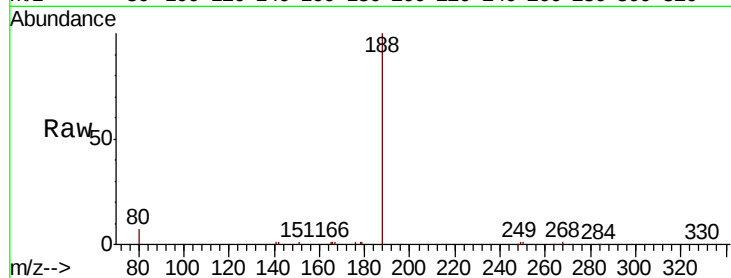
Tgt Ion:188 Resp: 19872

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

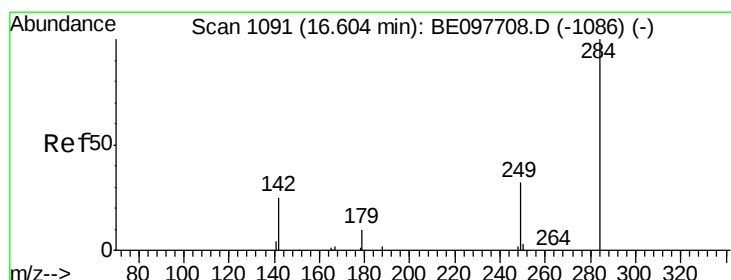
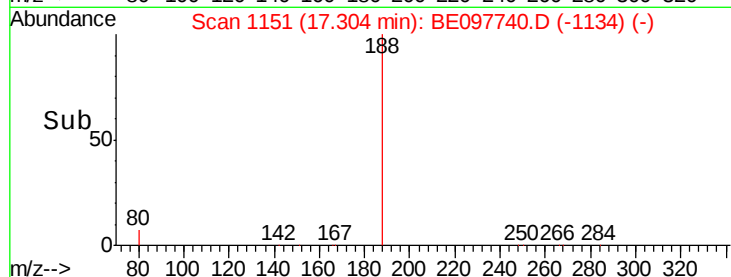
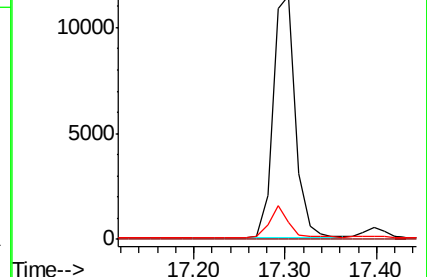
80 7.3 6.6 9.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Hexachlorobenzene

Concen: 0.024 ng

RT: 16.60 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

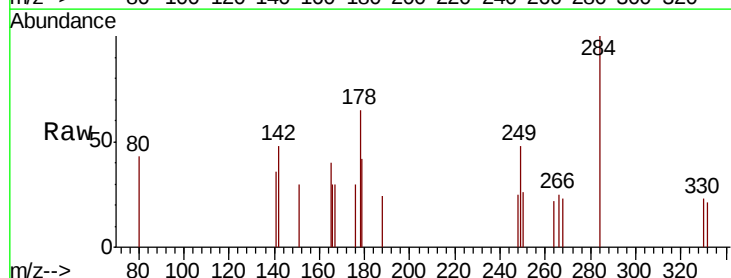
Tgt Ion:284 Resp: 283

Ion Ratio Lower Upper

284 100

142 38.9 24.9 37.3#

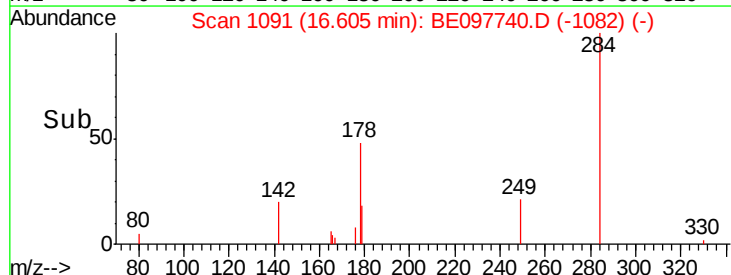
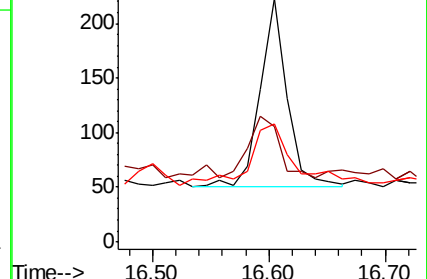
249 51.9 25.8 38.8#

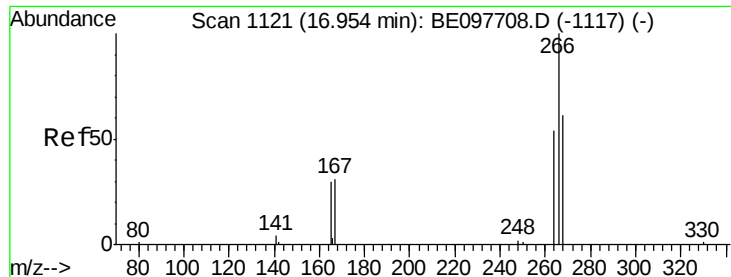


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

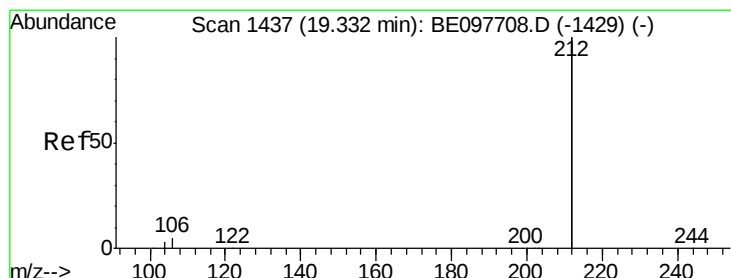
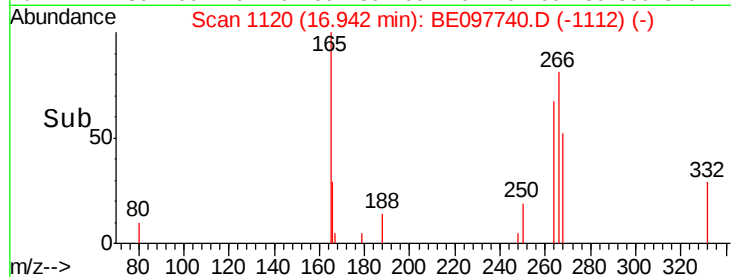
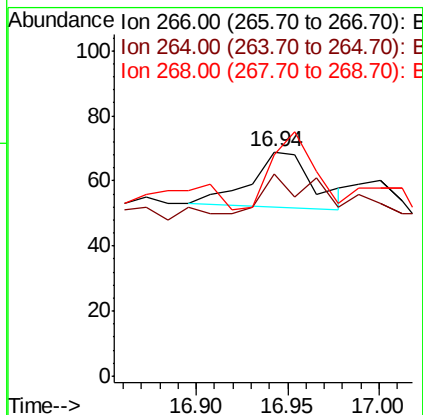
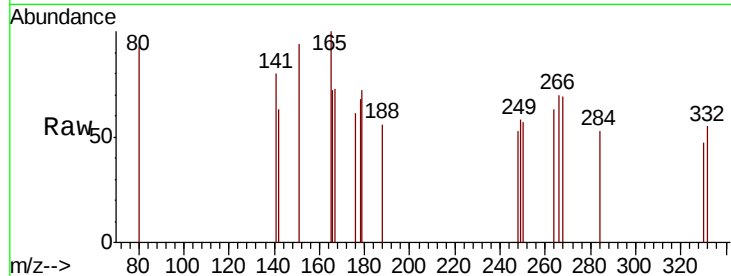




#22
 Pentachlorophenol
 Concen: 0.022 ng
 RT: 16.94 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BE097740.D
 Acq: 5 Oct 2018 00:07

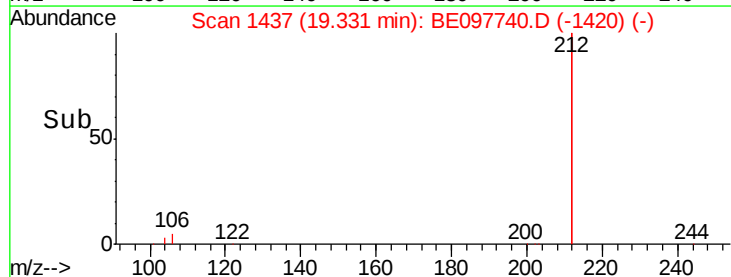
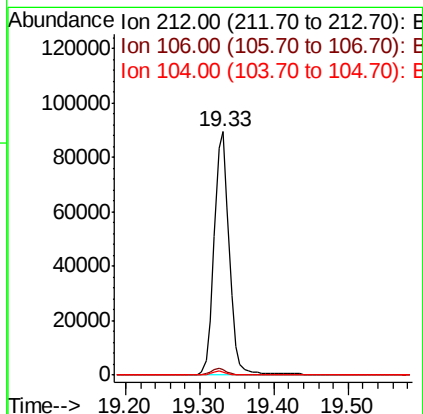
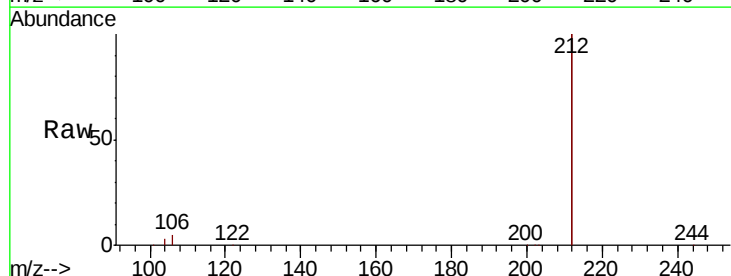
Instrument :
 BNA_E
 ClientSampleId :
 RE-131D2-20180927

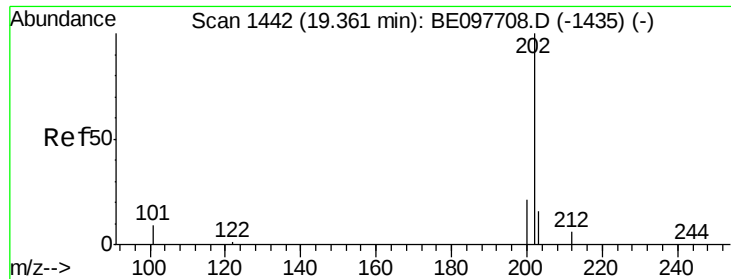
Tgt Ion: 266 Resp: 41
 Ion Ratio Lower Upper
 266 100
 264 89.9 46.8 70.2#
 268 98.6 53.0 79.6#



#25
 Fluoranthene-d10
 Concen: 0.498 ng
 RT: 19.33 min Scan# 1437
 Delta R.T. -0.00 min
 Lab File: BE097740.D
 Acq: 5 Oct 2018 00:07

Tgt Ion: 212 Resp: 125308
 Ion Ratio Lower Upper
 212 100
 106 2.7 2.2 3.2
 104 1.5 1.2 1.8

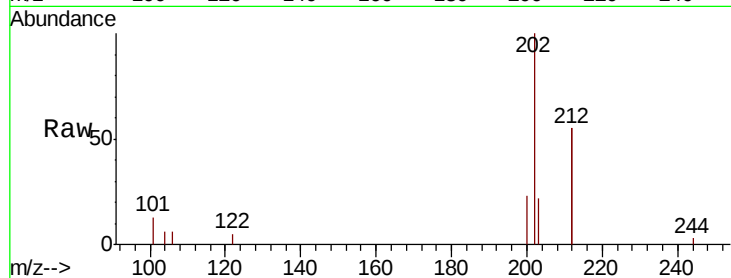




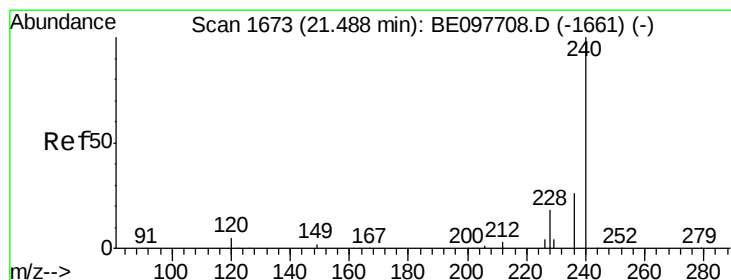
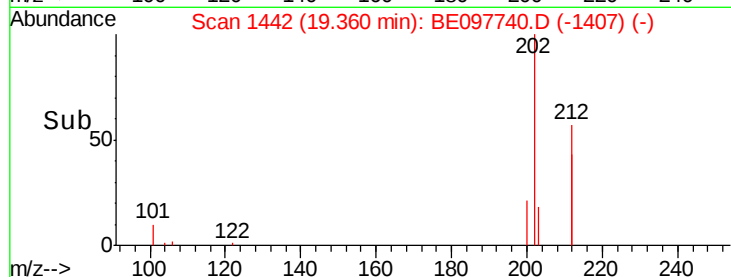
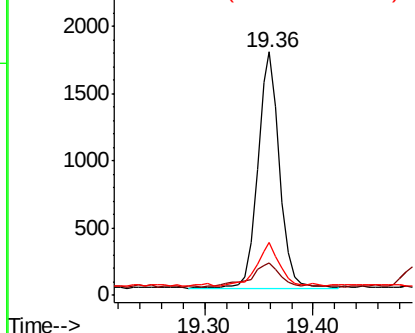
#26
 Fluoranthene
 Concen: 0.038 ng
 RT: 19.36 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BE097740.D
 Acq: 5 Oct 2018 00:07

Instrument :
 BNA_E
 ClientSampleId :
 RE-131D2-20180927

Tgt Ion: 202 Resp: 2471
 Ion Ratio Lower Upper
 202 100
 101 13.8 7.8 11.8#
 203 18.5 13.8 20.6

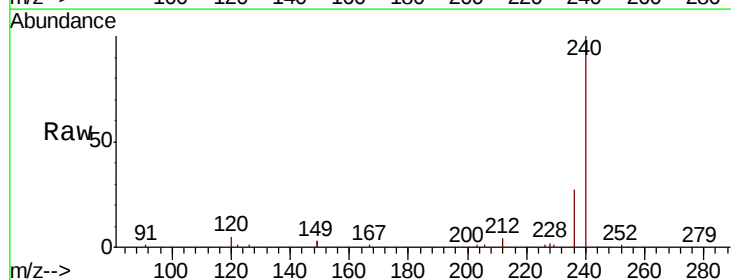


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

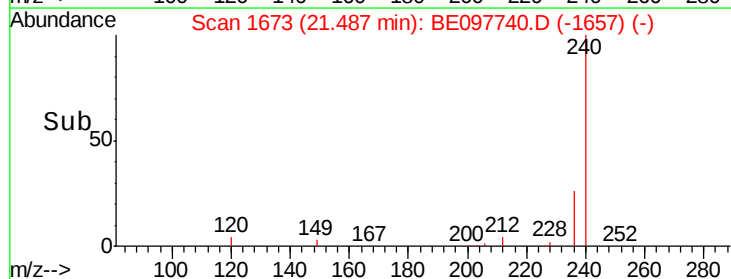
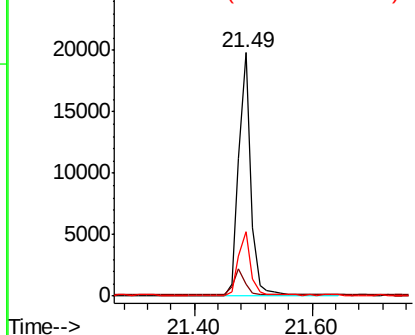


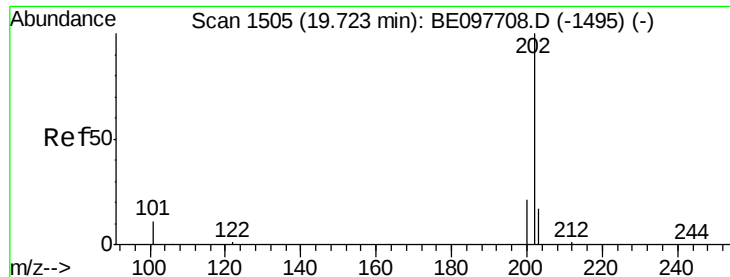
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.49 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: BE097740.D
 Acq: 5 Oct 2018 00:07

Tgt Ion: 240 Resp: 28767
 Ion Ratio Lower Upper
 240 100
 120 5.0 4.7 7.1
 236 26.6 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#28

Pyrene

Concen: 0.039 ng

RT: 19.72 min Scan# 1505

Delta R.T. -0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

ClientSampleId :

RE-131D2-20180927

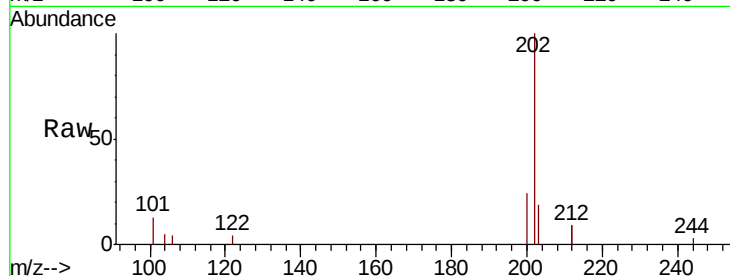
Tgt Ion:202 Resp: 2872

Ion Ratio Lower Upper

202 100

200 20.0 16.7 25.1

203 18.0 13.9 20.9

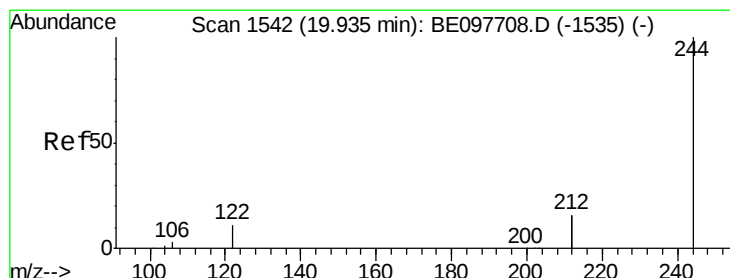
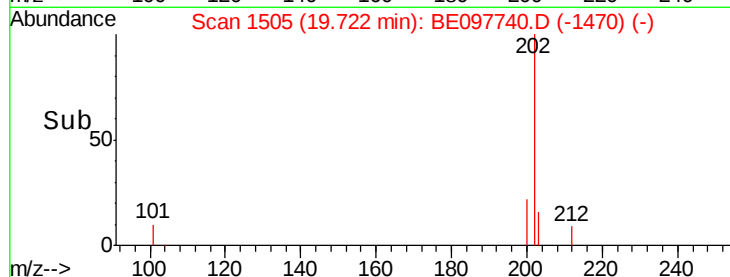
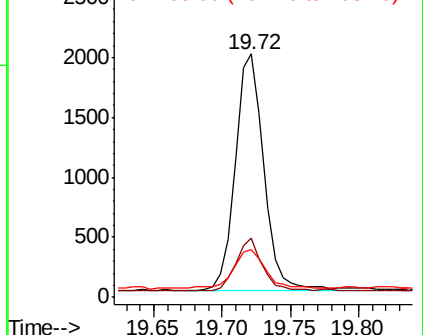


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.453 ng

RT: 19.93 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

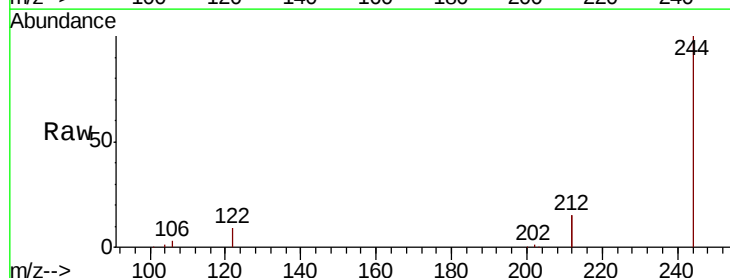
Tgt Ion:244 Resp: 26616

Ion Ratio Lower Upper

244 100

212 29.8 25.8 38.8

122 8.7 8.7 13.1

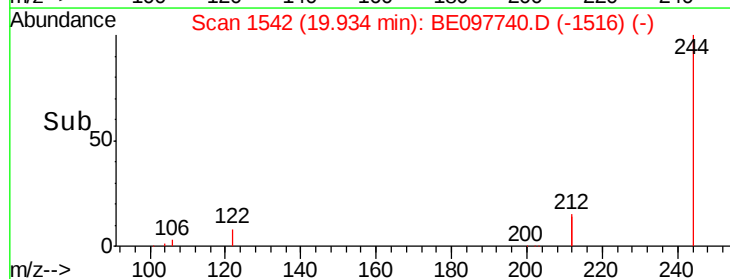
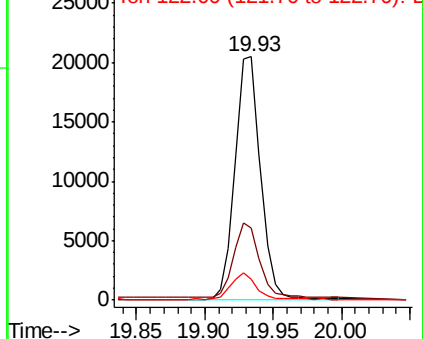


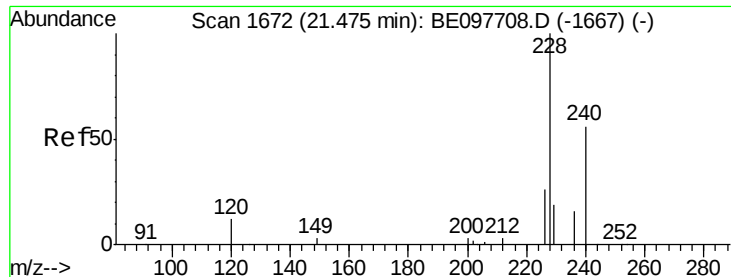
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.041 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

ClientSampleId :

RE-131D2-20180927

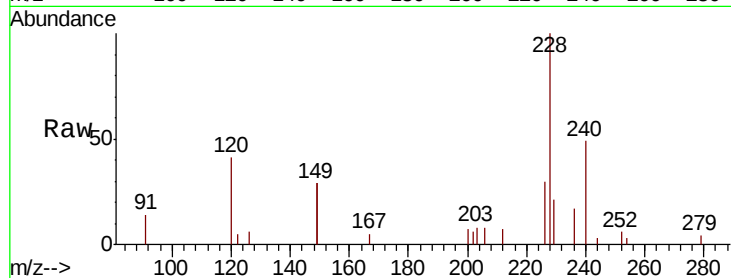
Tgt Ion:228 Resp: 3140

Ion Ratio Lower Upper

228 100

226 30.4 20.7 31.1

229 21.3 15.7 23.5

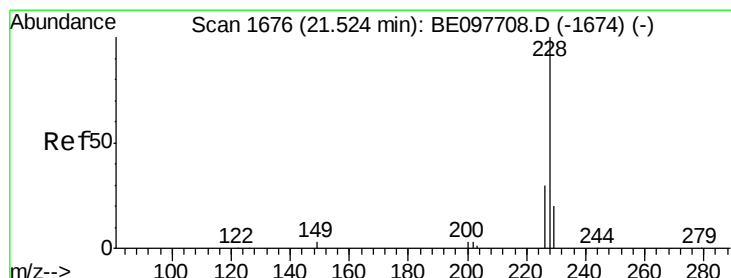
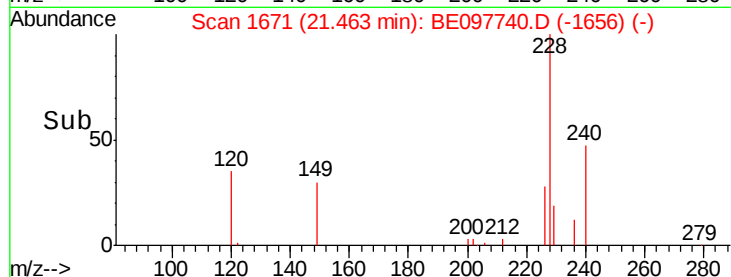
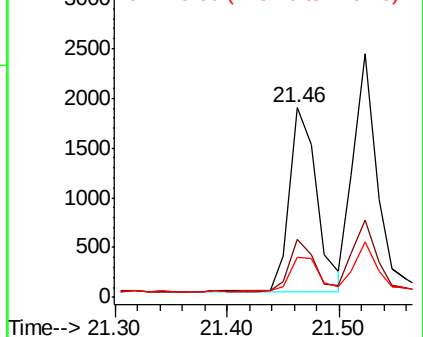


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.040 ng

RT: 21.52 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

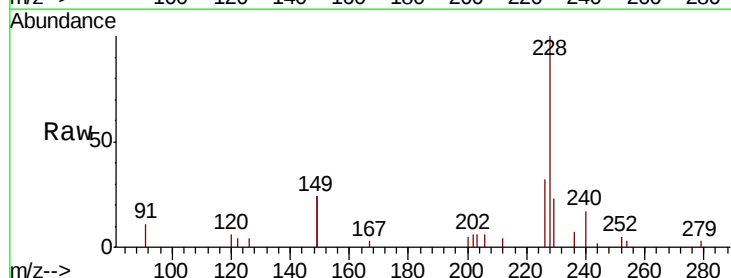
Tgt Ion:228 Resp: 3444

Ion Ratio Lower Upper

228 100

226 31.8 24.3 36.5

229 22.8 16.0 24.0

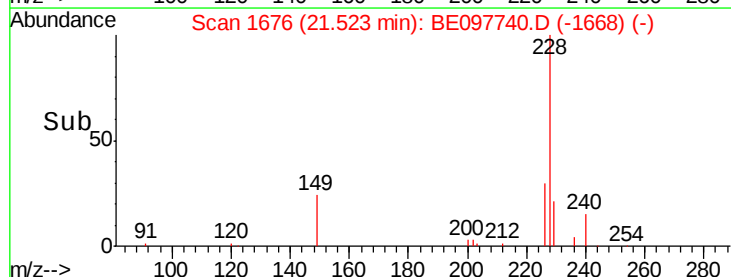
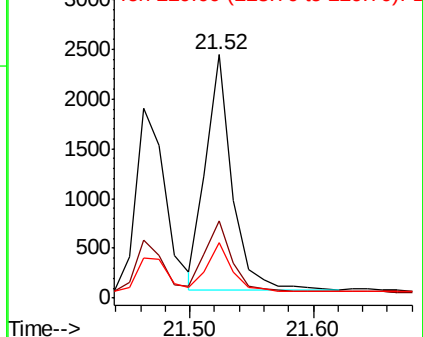


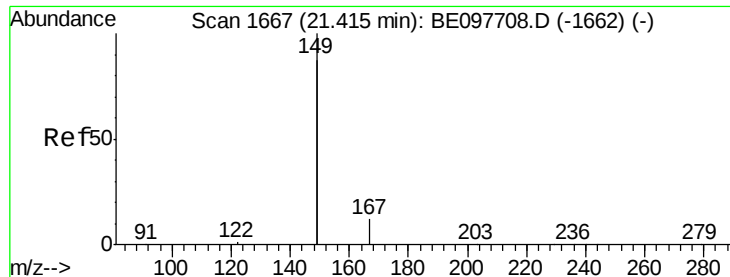
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.151 ng

RT: 21.41 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

ClientSampleId :

RE-131D2-20180927

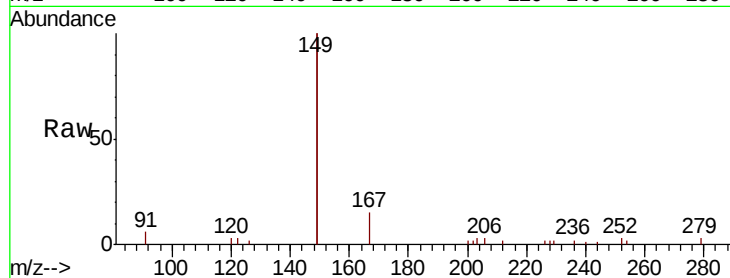
Tgt Ion:149 Resp: 8525

Ion Ratio Lower Upper

149 100

167 6.9 5.5 8.3

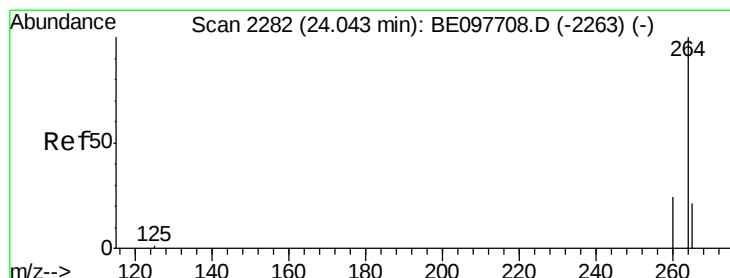
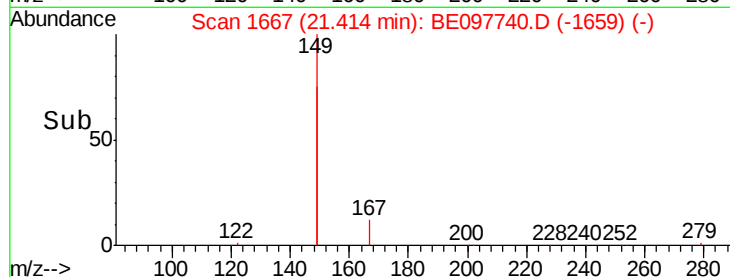
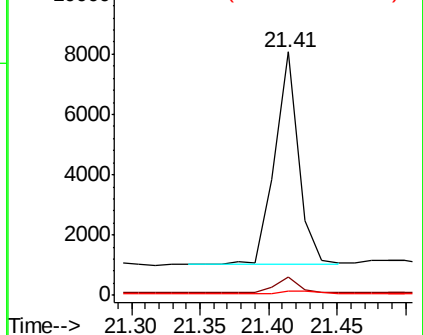
279 1.1 0.9 1.3



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.03 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

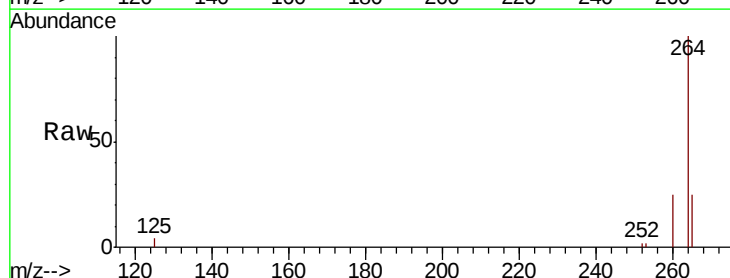
Tgt Ion:264 Resp: 27243

Ion Ratio Lower Upper

264 100

260 24.7 19.1 28.7

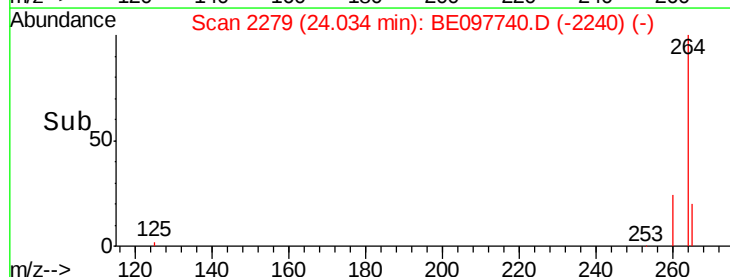
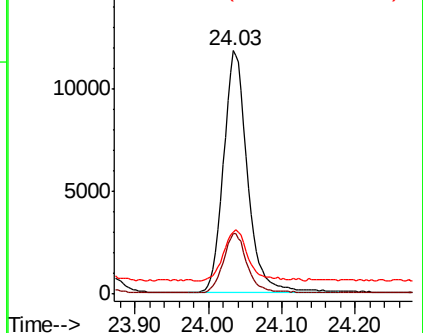
265 25.4 21.9 32.9

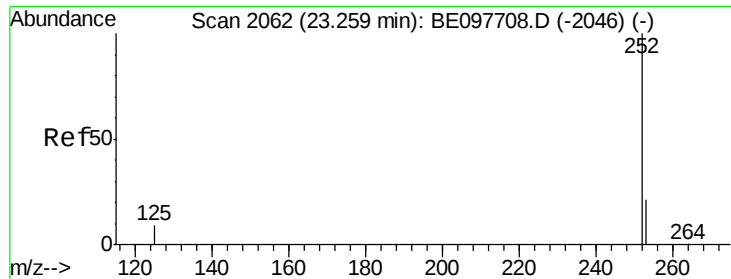


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

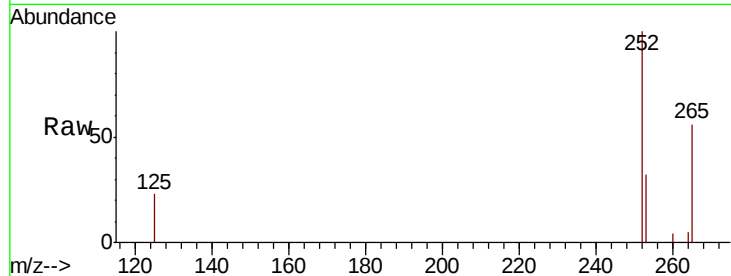




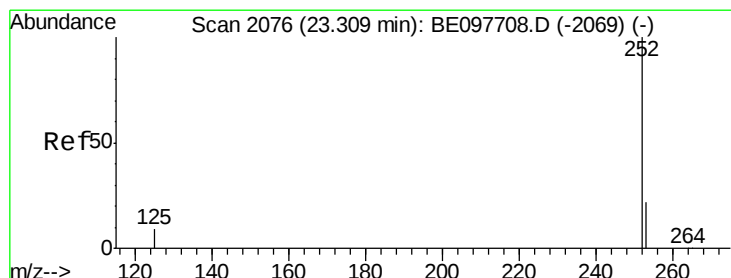
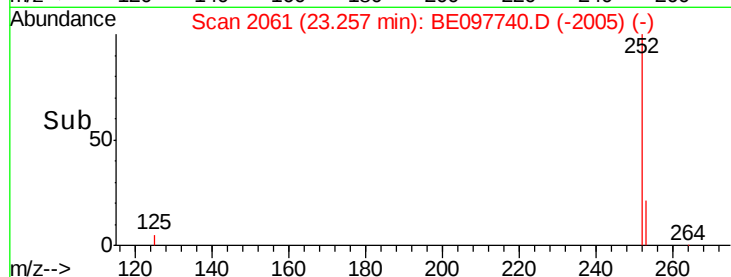
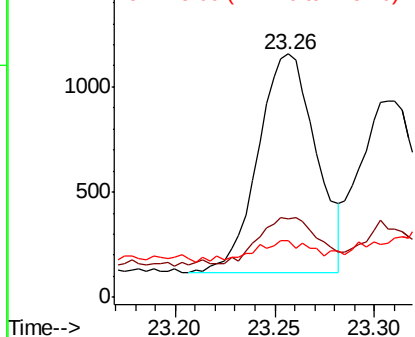
#35
Benzo(b)fluoranthene
Concen: 0.028 ng
RT: 23.26 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BE097740.D
Acq: 5 Oct 2018 00:07

Instrument :
BNA_E
ClientSampleId :
RE-131D2-20180927

Tgt Ion: 252 Resp: 2099
Ion Ratio Lower Upper
252 100
253 32.2 17.5 26.3#
125 23.2 7.8 11.8#

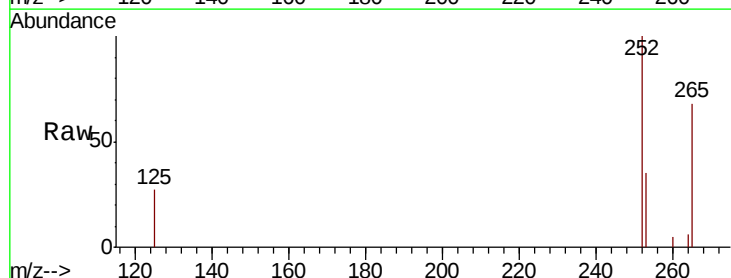


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

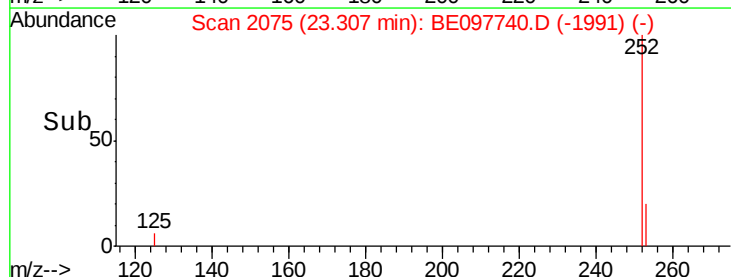
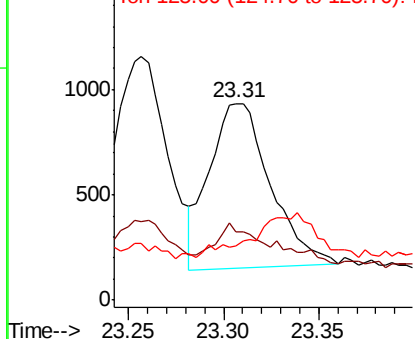


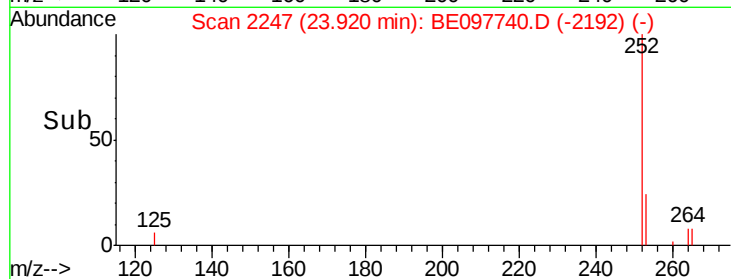
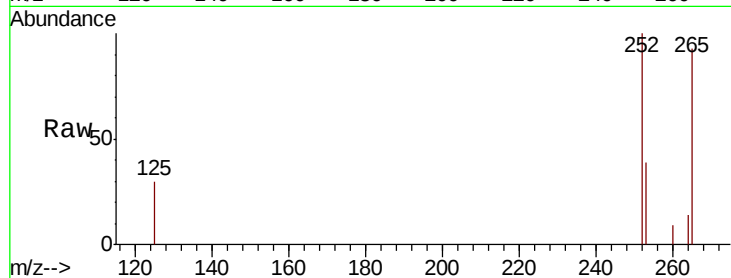
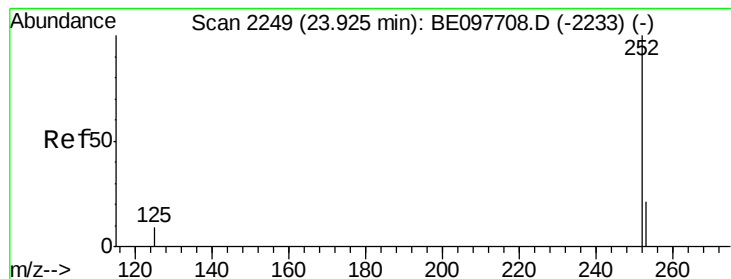
#36
Benzo(k)fluoranthene
Concen: 0.021 ng
RT: 23.31 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BE097740.D
Acq: 5 Oct 2018 00:07

Tgt Ion: 252 Resp: 1742
Ion Ratio Lower Upper
252 100
253 34.7 17.5 26.3#
125 27.3 7.5 11.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.023 ng

RT: 23.92 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BE097740.D

Acq: 5 Oct 2018 00:07

Instrument :

BNA_E

ClientSampleId :

RE-131D2-20180927

Tgt Ion: 252 Resp: 1524

Ion Ratio Lower Upper

252 100

253 38.8 17.7 26.5#

125 30.4 8.3 12.5#

