

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082018\
 Data File : BE097341.D
 Acq On : 20 Aug 2018 20:43
 Operator : SJ/JU
 Sample : J4473-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 21 05:06:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 20 18:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	923	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	4708	0.40	ng	0.01
13) Acenaphthene-d10	14.01	164	2749	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	7050	0.40	ng	0.00
27) Chrysene-d12	20.97	240	6527	0.40	ng	-0.01
34) Perylene-d12	23.21	264	5698	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	383	0.18	ng	0.00
5) Phenol-d6	6.60	99	314	0.10	ng	0.00
8) Nitrobenzene-d5	8.52	82	973	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2570	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	246	0.48	ng	-0.01
15) 2-Fluorobiphenyl	12.63	172	5007	0.44	ng	0.00
25) Fluoranthene-d10	18.80	212	30992	0.49	ng	0.00
29) Terphenyl-d14	19.42	244	8637	0.66	ng	0.00

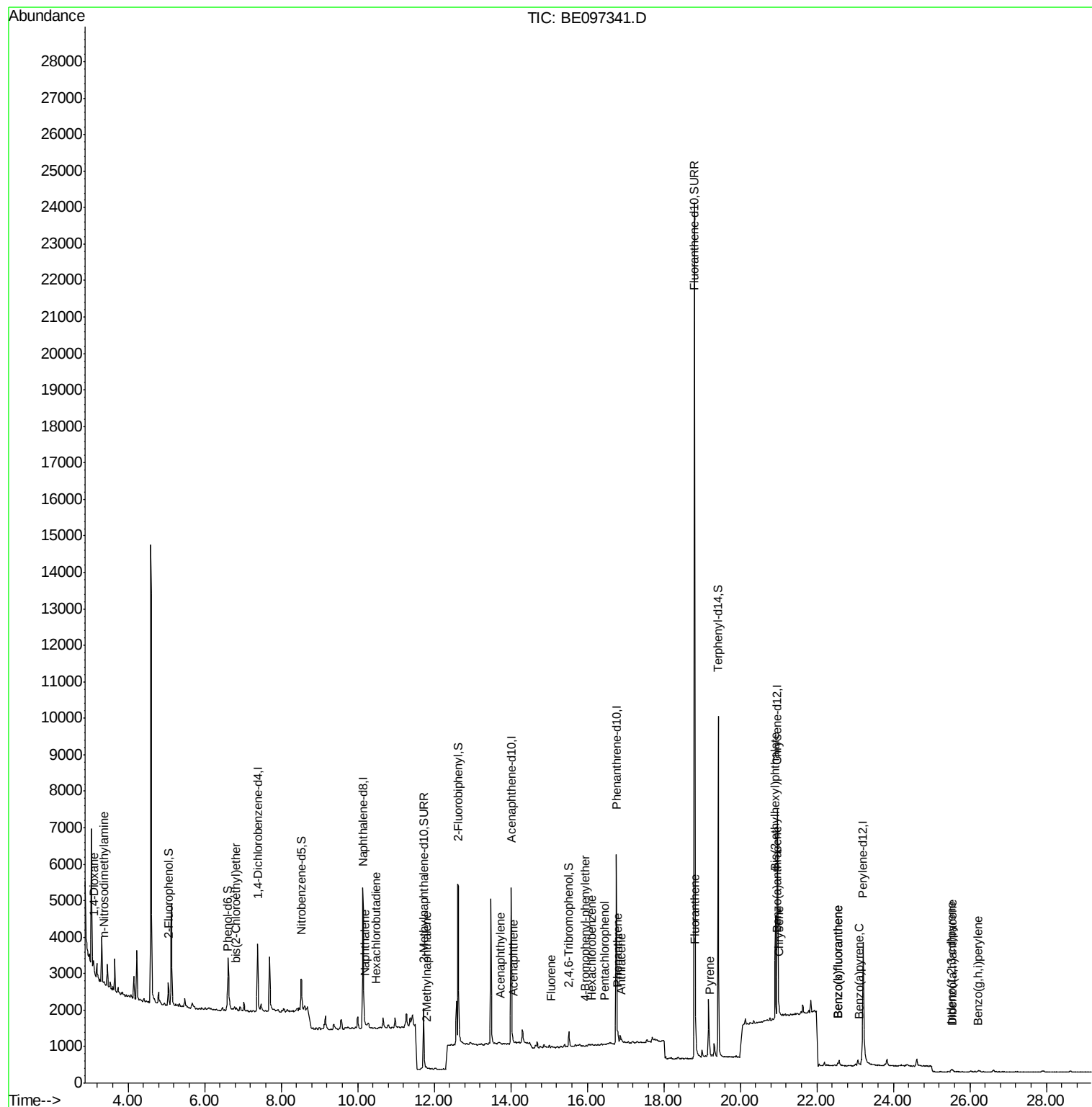
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	184	0.111	ng	# 61
3) n-Nitrosodimethylamine	3.36	42	17	0.013	ng	# 1
6) bis(2-Chloroethyl)ether	6.83	93	11	0.004	ng	# 33
9) Naphthalene	10.18	128	159	0.004	ng	# 56
10) Hexachlorobutadiene	10.48	225	7	0.004	ng	# 35
12) 2-Methylnaphthalene	11.79	142	29	0.004	ng	# 54
16) Acenaphthylene	13.73	152	18	0.002	ng	# 1
17) Acenaphthene	14.07	154	10	0.001	ng	# 82
18) Fluorene	15.06	166	35	0.004	ng	# 81
20) 4-Bromophenyl-phenylether	15.94	248	3	0.001	ng	# 42
21) Hexachlorobenzene	16.11	284	1	0.000	ng	# 38
22) Pentachlorophenol	16.45	266	10	0.035	ng	96
23) Phenanthrene	16.80	178	283	0.016	ng	# 89
24) Anthracene	16.89	178	120	0.009	ng	# 76
26) Fluoranthene	18.83	202	428	0.026	ng	# 96
28) Pyrene	19.20	202	381	0.022	ng	98
30) Benzo(a)anthracene	20.95	228	143	0.010	ng	# 35
31) Chrysene	21.00	228	158	0.009	ng	# 42
32) Bis(2-ethylhexyl)phthalate	20.92	149	3287	0.413	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.52	276	42	0.004	ng	# 37
35) Benzo(b)fluoranthene	22.54	252	130	0.009	ng	# 1
36) Benzo(k)fluoranthene	22.54	252	130	0.006	ng	# 1
37) Benzo(a)pyrene	23.12	252	43	0.003	ng	# 1
38) Dibenzo(a,h)anthracene	25.55	278	3	0.000	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	14	0.001	ng	# 1

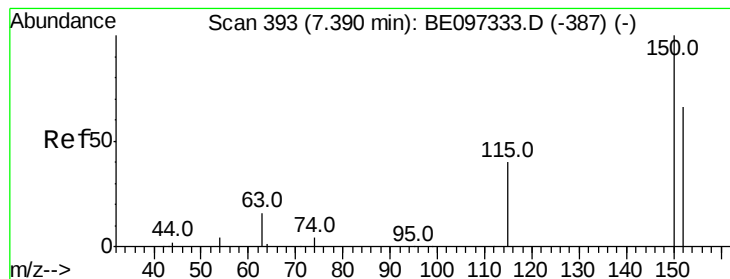
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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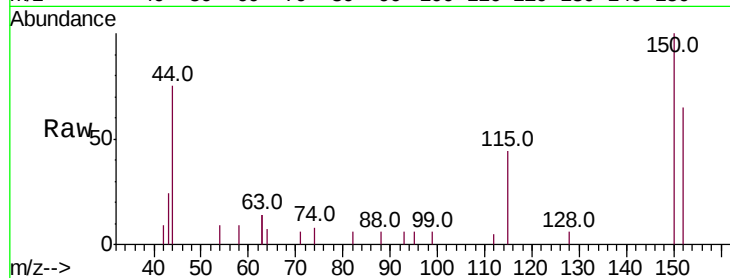


#1

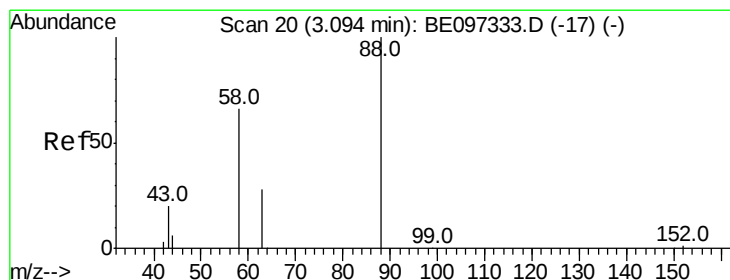
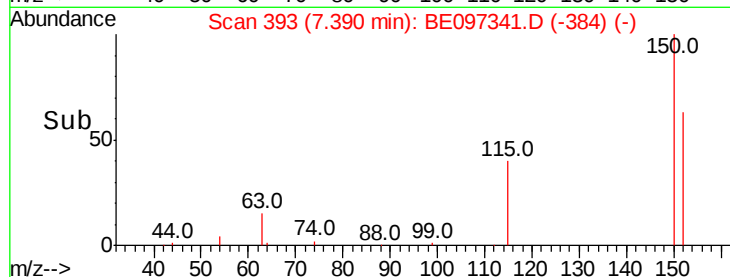
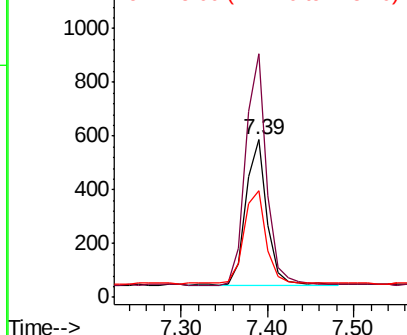
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097341.D
Acq: 20 Aug 2018 20:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 923
Ion Ratio Lower Upper
152 100
150 154.6 117.2 175.8
115 67.4 57.0 85.6



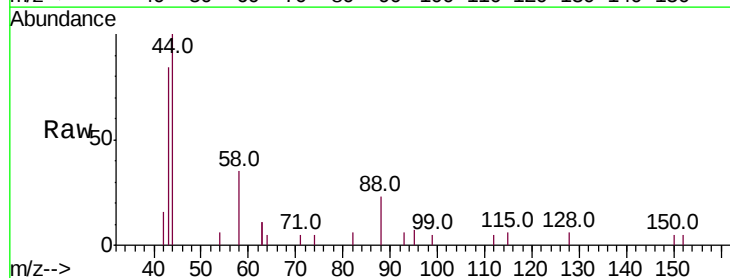
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



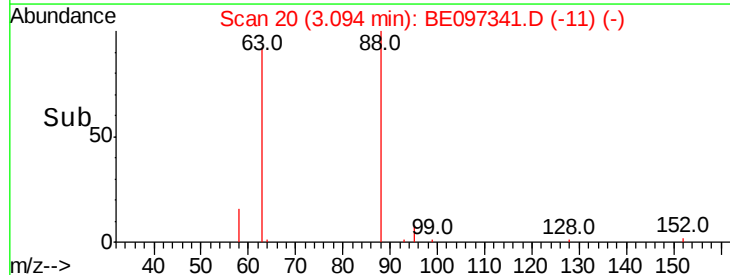
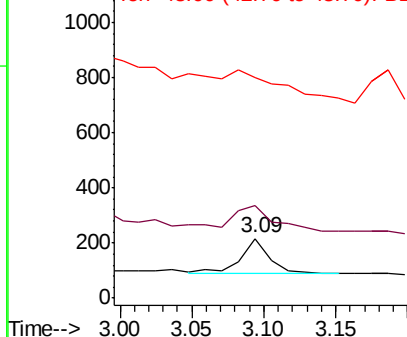
#2

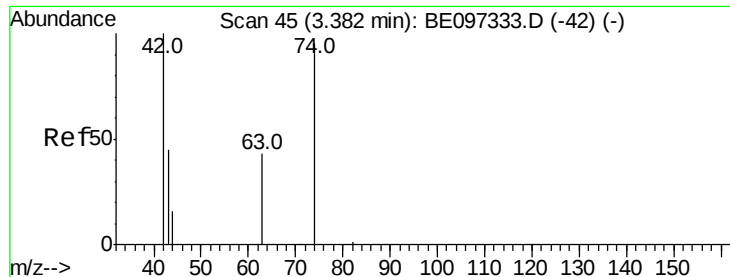
1,4-Dioxane
Concen: 0.111 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097341.D
Acq: 20 Aug 2018 20:43

Tgt Ion: 88 Resp: 184
Ion Ratio Lower Upper
88 100
58 92.9 63.2 94.8
43 0.0 41.2 61.8#



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: 0.013 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.02 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampled :

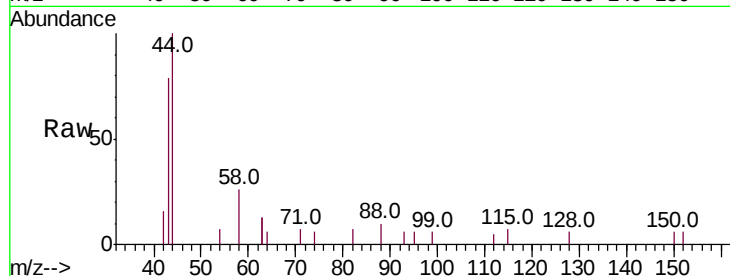
Tot Ion: 42 Resp: 17

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

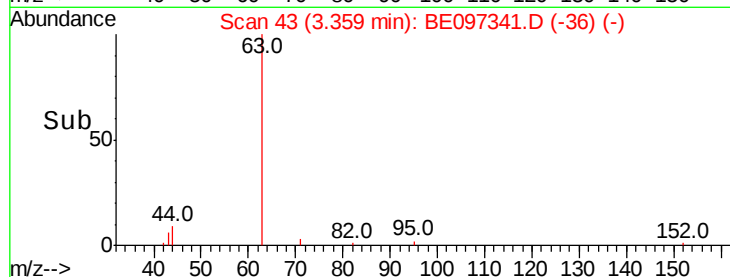
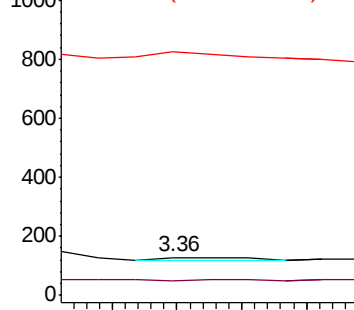
44 464.7 12.0 18.0#



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: 0.181 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

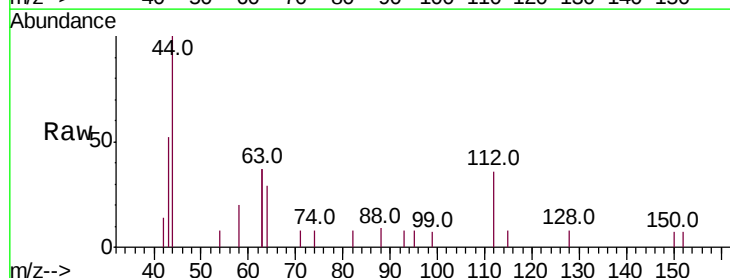
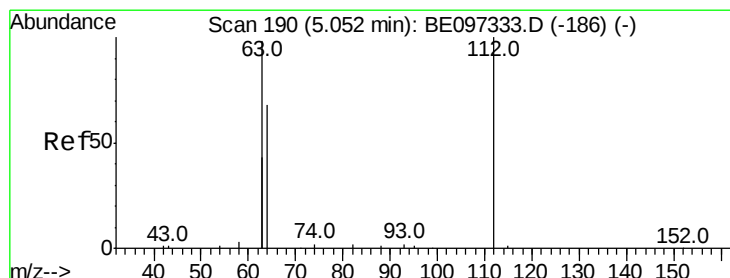
Tgt Ion: 112 Resp: 383

Ion Ratio Lower Upper

112 100

64 64.8 60.1 90.1

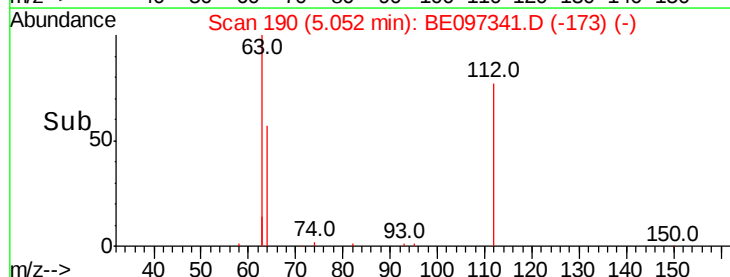
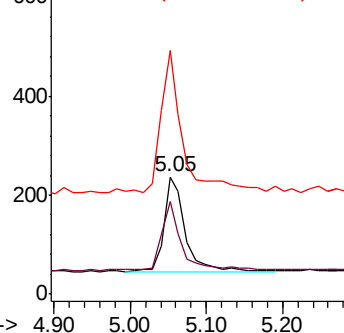
63 145.4 116.8 175.2

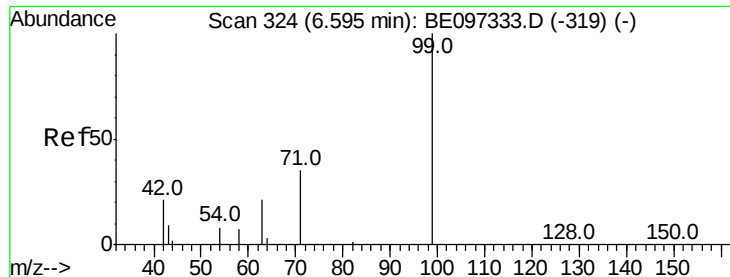


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.100 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampled :

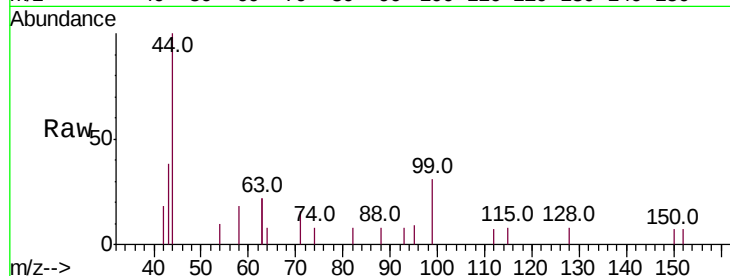
Tot Ion: 99 Resp: 314

Ion Ratio Lower Upper

99 100

42 36.0 20.2 30.2#

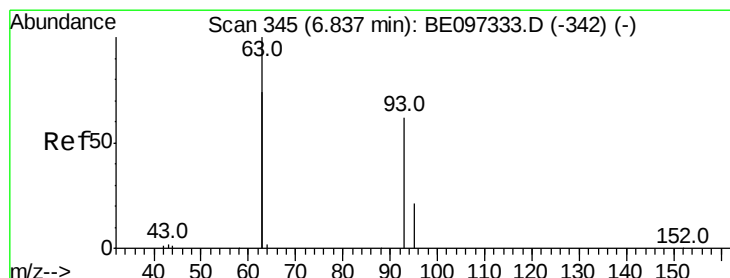
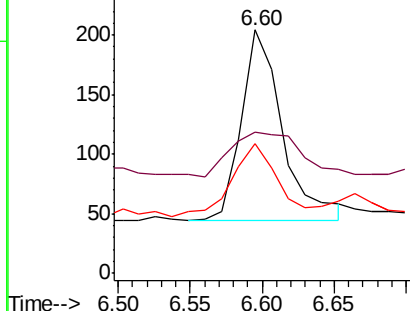
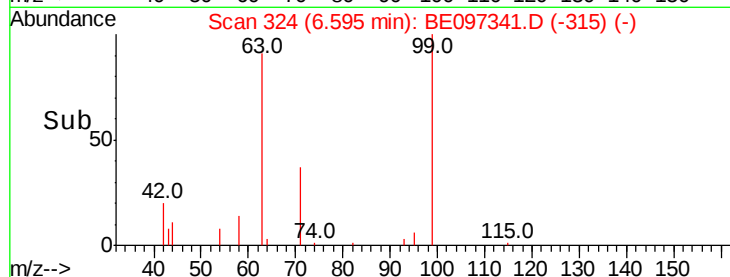
71 41.7 28.4 42.6



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: 0.004 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

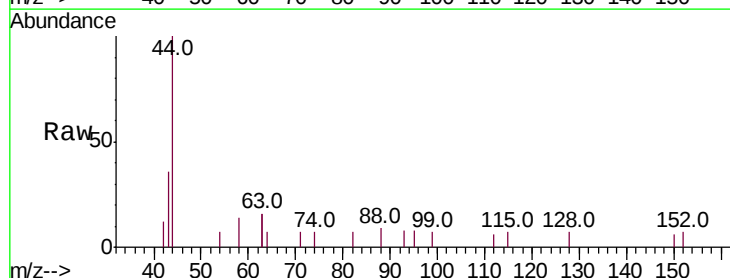
Tgt Ion: 93 Resp: 11

Ion Ratio Lower Upper

93 100

63 500.0 275.3 412.9#

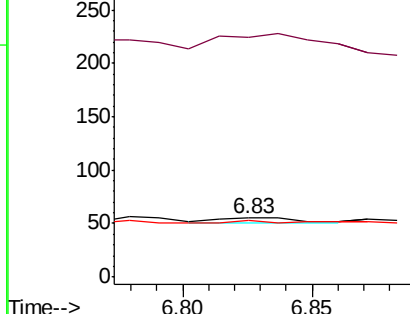
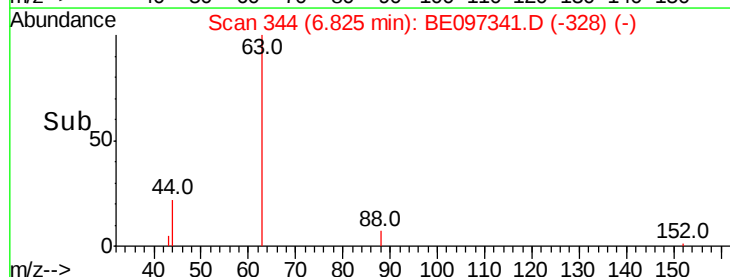
95 27.3 25.2 37.8

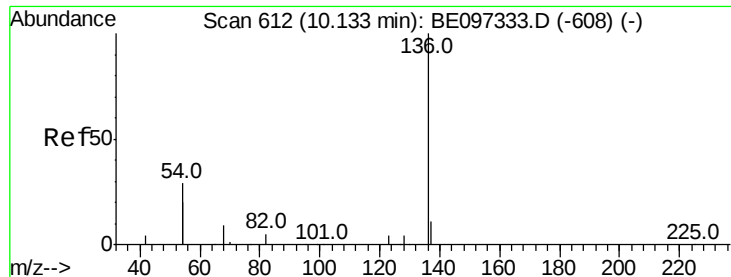


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.15 min Scan# 613

Delta R.T. 0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4708

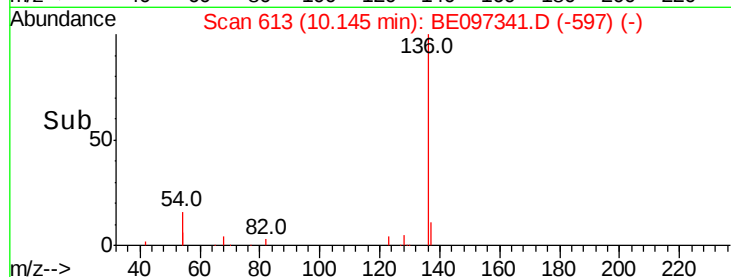
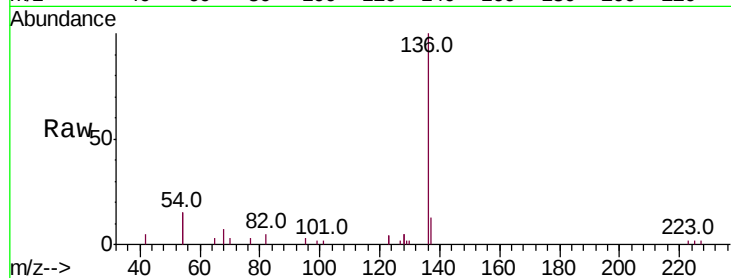
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 31.0 29.1 43.7

68 6.8 6.2 9.2

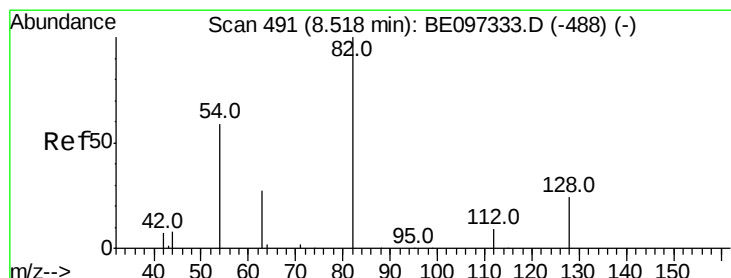
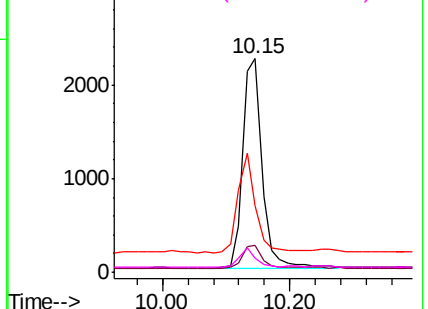


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.483 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

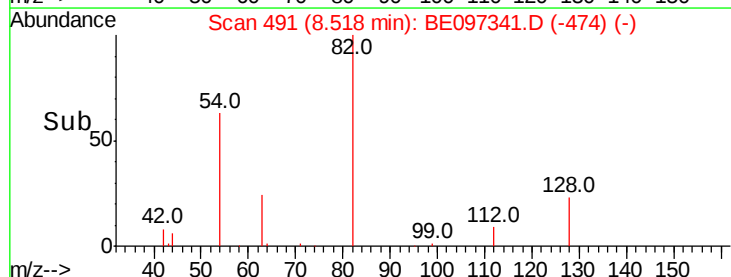
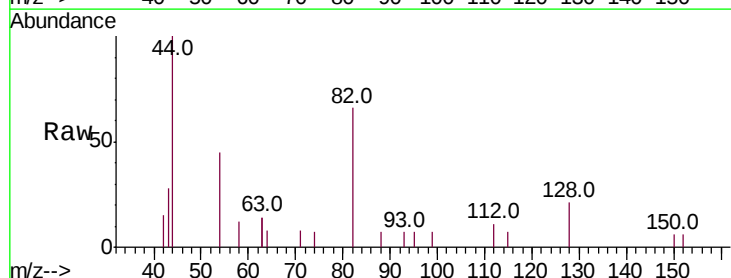
Tgt Ion: 82 Resp: 973

Ion Ratio Lower Upper

82 100

128 31.3 24.0 36.0

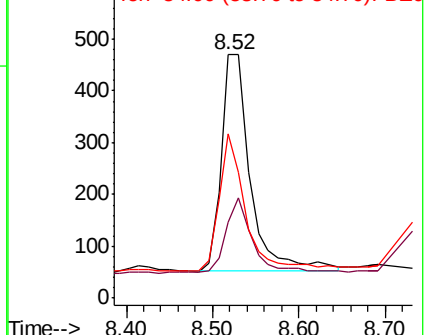
54 67.7 40.0 60.0#

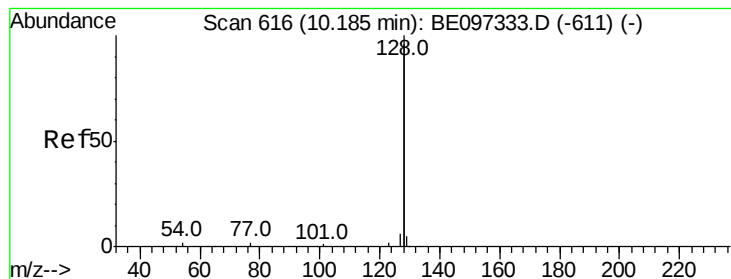


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.004 ng

RT: 10.18 min Scan# 616

Delta R.T. -0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampleId :

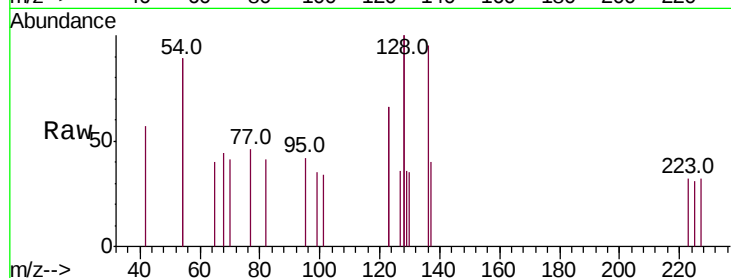
Tot Ion:128 Resp: 159

Ion Ratio Lower Upper

128 100

129 18.2 2.6 3.8#

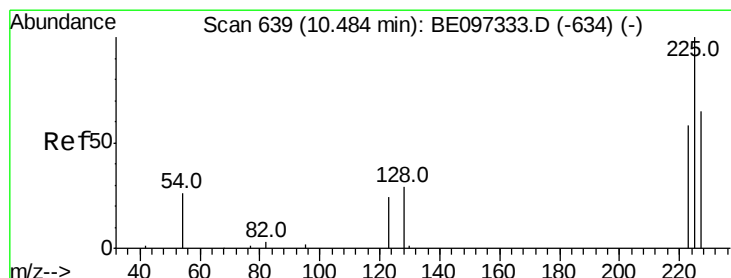
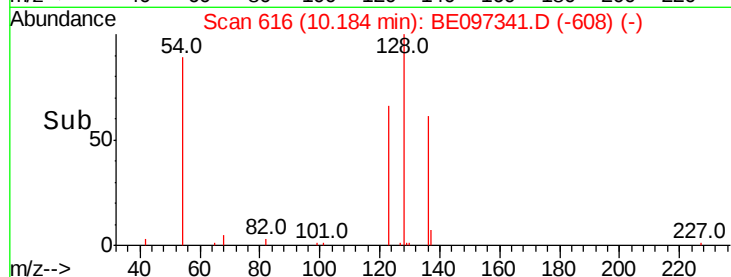
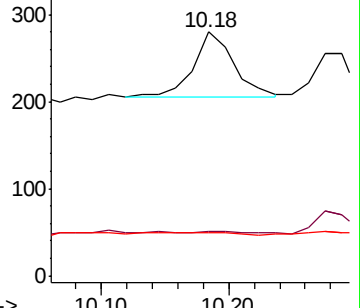
127 17.9 2.8 4.2#



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: 0.004 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

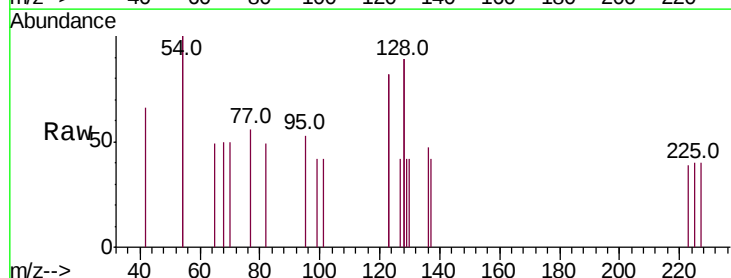
Tgt Ion:225 Resp: 7

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

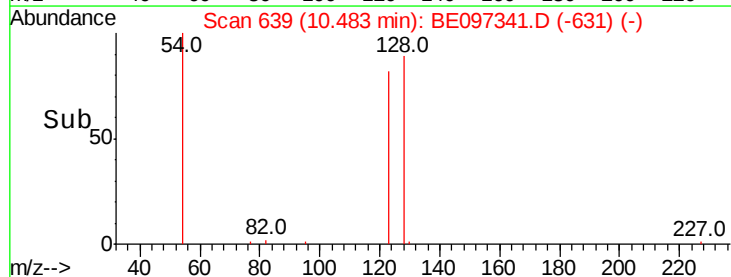
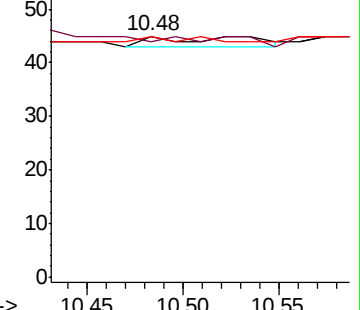
227 28.6 51.4 77.2#

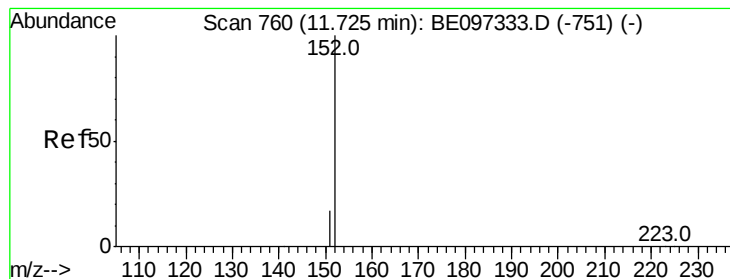


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.404 ng

RT: 11.72 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

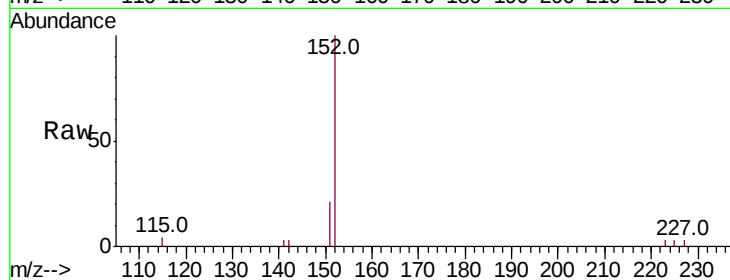
ClientSampleId :

Tot Ion:152 Resp: 2570

Ion Ratio Lower Upper

152 100

151 18.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.72

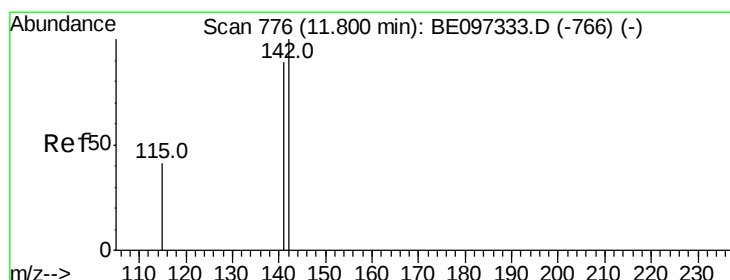
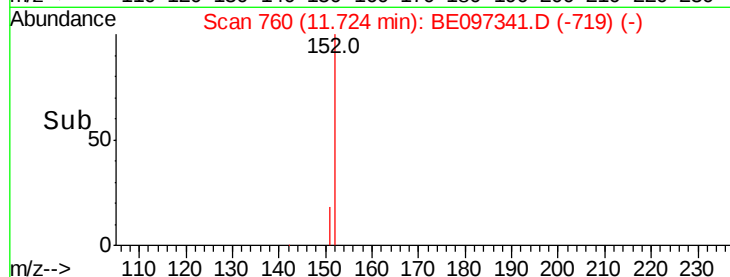
1500

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.004 ng

RT: 11.79 min Scan# 775

Delta R.T. -0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

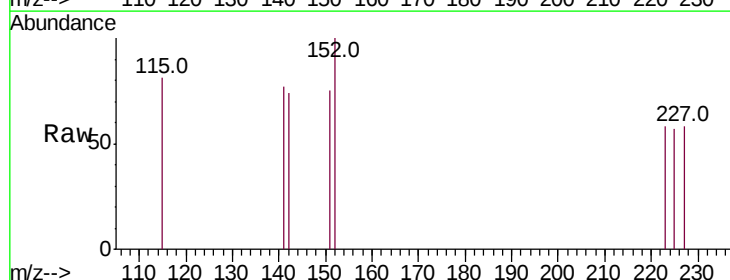
Tgt Ion:142 Resp: 29

Ion Ratio Lower Upper

142 100

141 103.5 70.4 105.6

115 108.8 31.7 47.5#



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

11.79

80

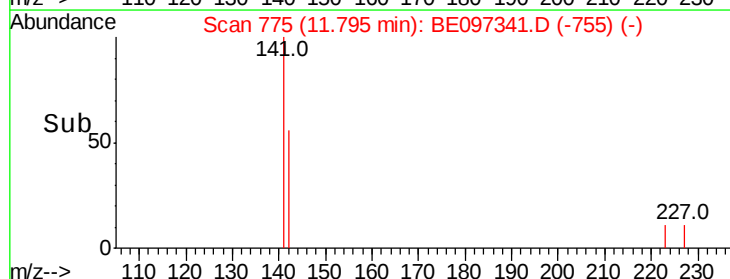
60

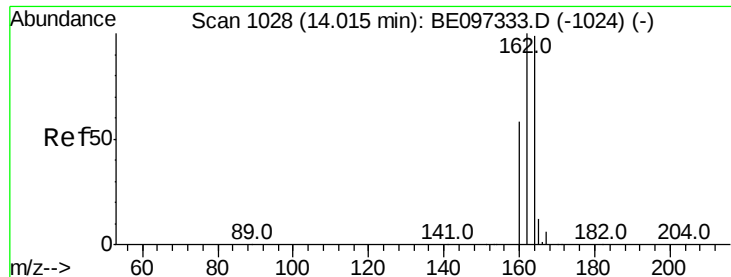
40

20

0

Time--> 11.75 11.80 11.85

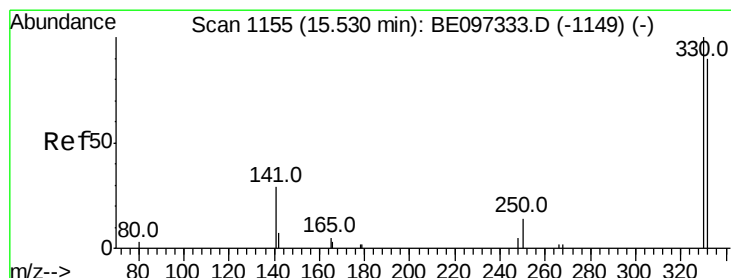
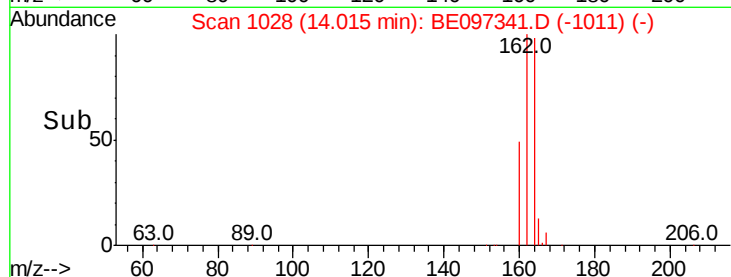
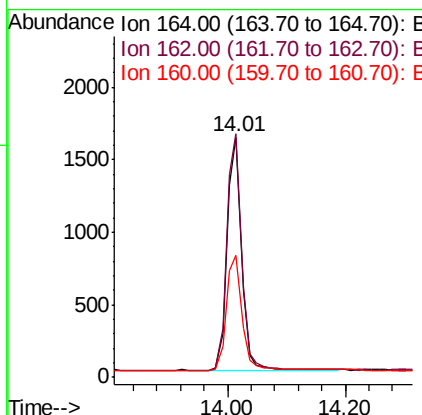
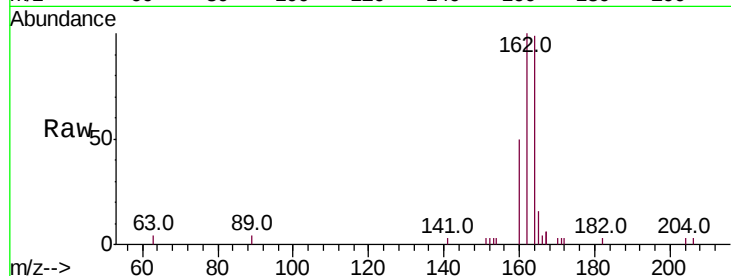




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BE097341.D
 Acq: 20 Aug 2018 20:43

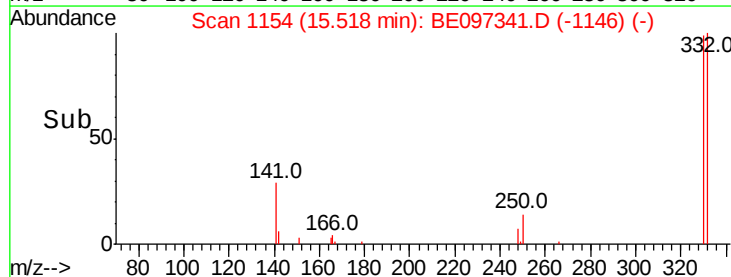
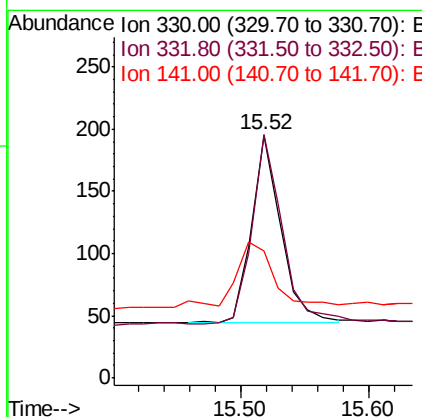
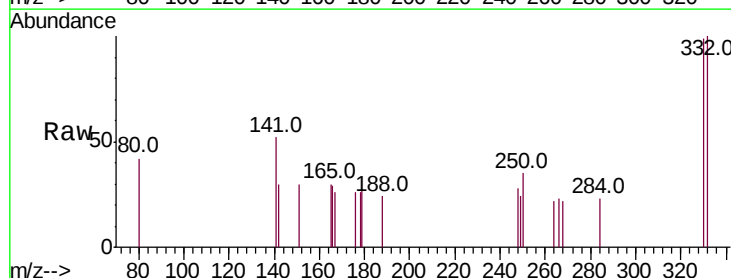
Instrument :
 BNA_E
 ClientSampleId :

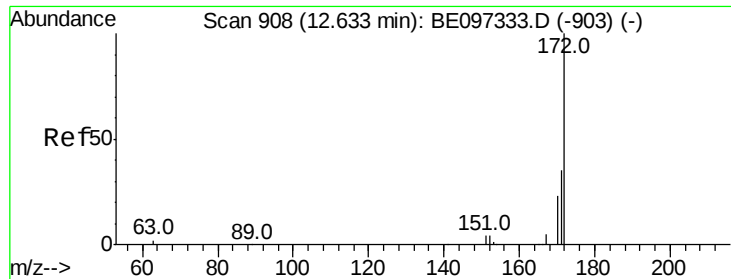
Tot Ion:164 Resp: 2749
 Ion Ratio Lower Upper
 164 100
 162 101.4 83.1 124.7
 160 51.0 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.481 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BE097341.D
 Acq: 20 Aug 2018 20:43

Tgt Ion:330 Resp: 246
 Ion Ratio Lower Upper
 330 100
 332 106.1 152.7 229.1#
 141 43.9 33.7 50.5

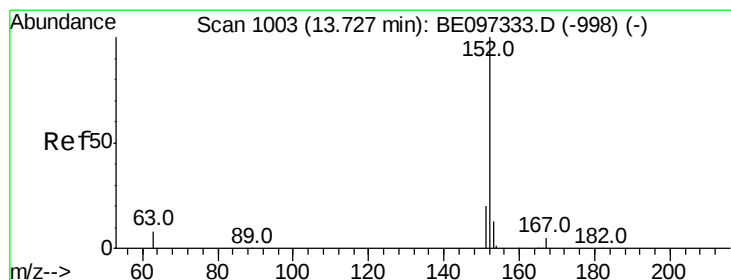
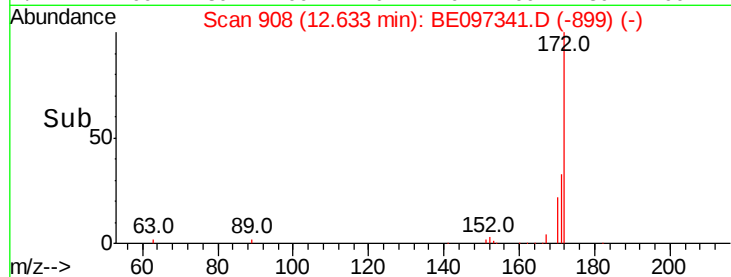
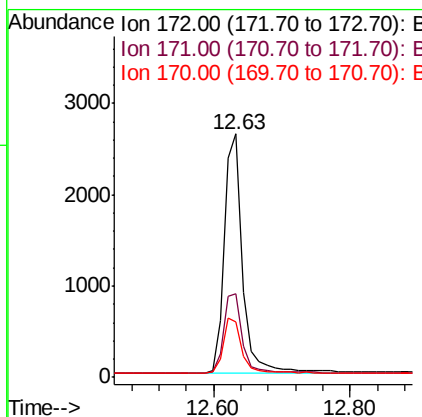
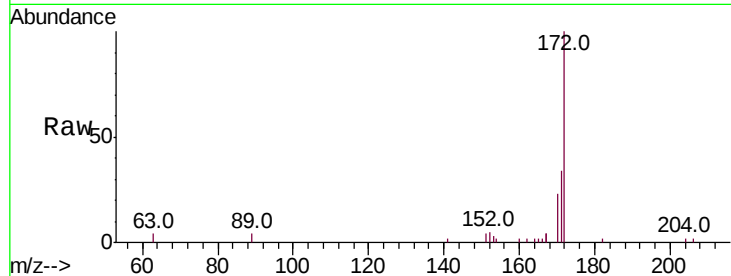




#15
2-Fluorobiphenyl
Concen: 0.444 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097341.D
Acq: 20 Aug 2018 20:43

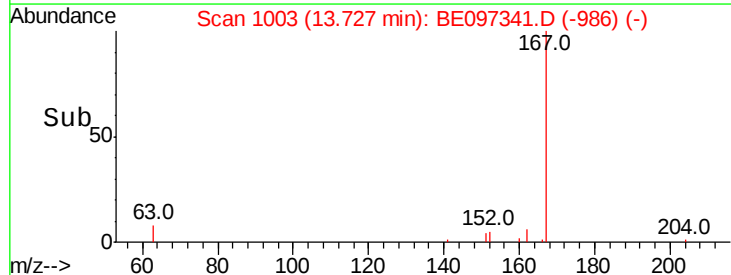
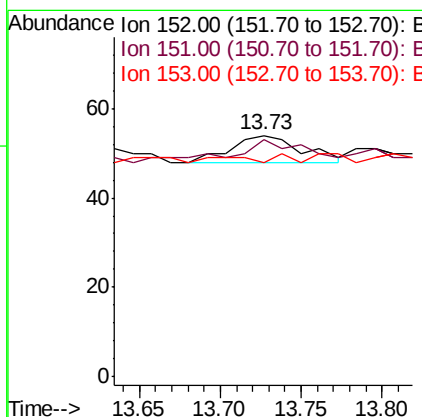
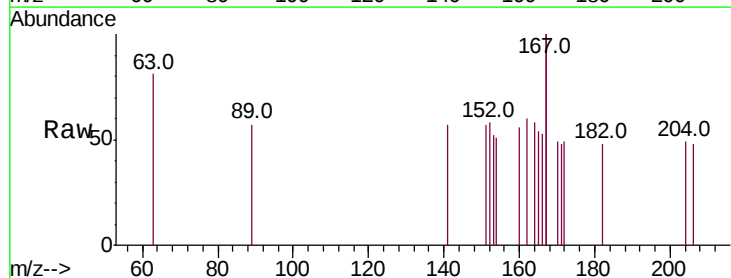
Instrument :
BNA_E
ClientSampleId :

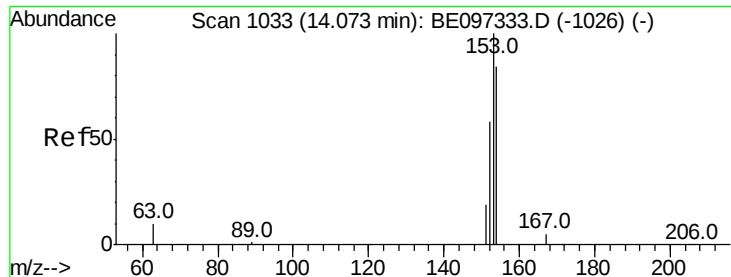
Tot Ion:172 Resp: 5007
Ion Ratio Lower Upper
172 100
171 34.3 29.9 44.9
170 22.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.002 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097341.D
Acq: 20 Aug 2018 20:43

Tgt Ion:152 Resp: 18
Ion Ratio Lower Upper
152 100
151 88.9 15.7 23.5#
153 22.2 10.5 15.7#





#17

Acenaphthene

Concen: 0.001 ng

RT: 14.07 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampleId :

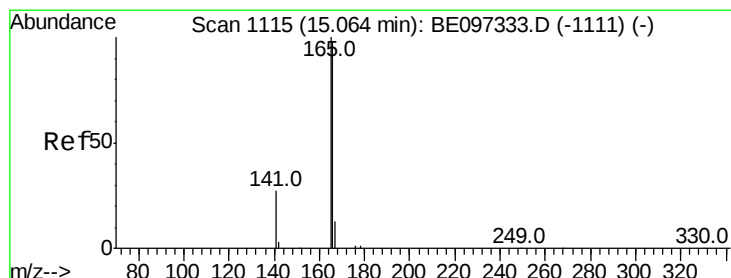
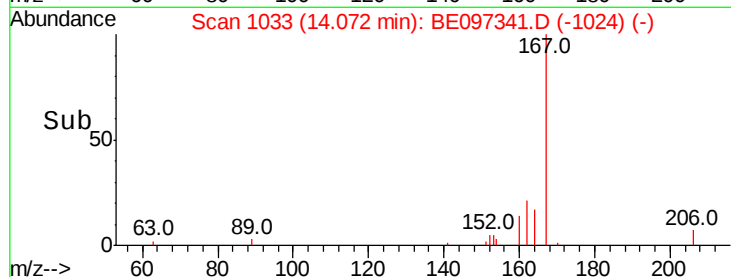
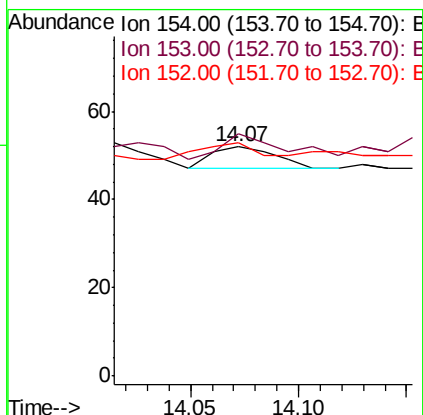
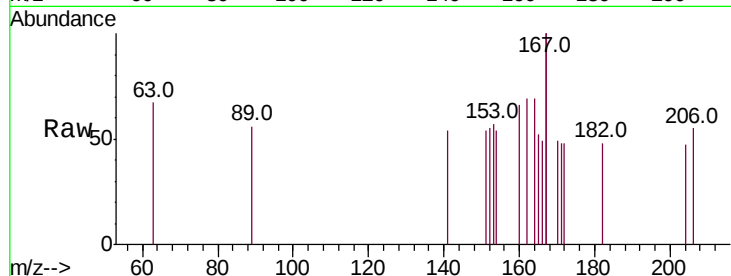
Tot Ion:154 Resp: 10

Ion Ratio Lower Upper

154 100

153 120.0 89.2 133.8

152 80.0 42.0 63.0#



#18

Fluorene

Concen: 0.004 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

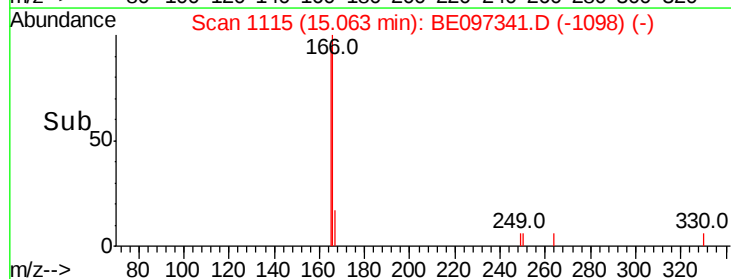
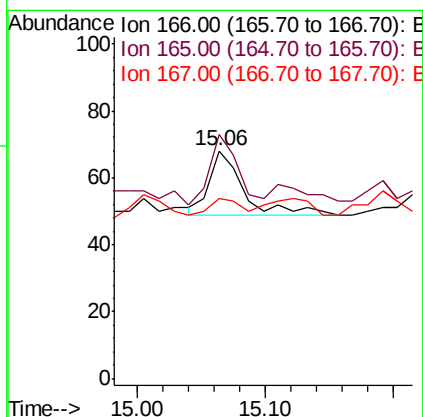
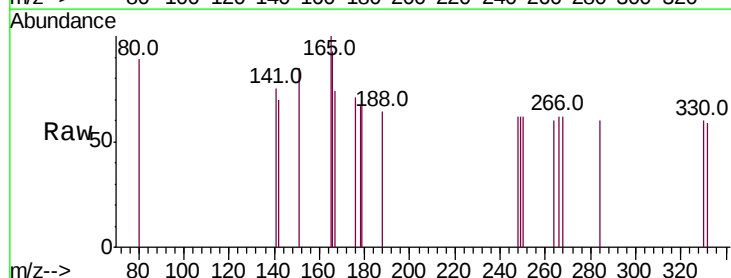
Tgt Ion:166 Resp: 35

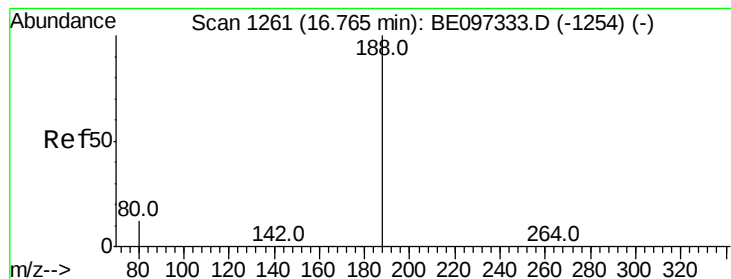
Ion Ratio Lower Upper

166 100

165 91.4 77.8 116.6

167 22.9 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampleId :

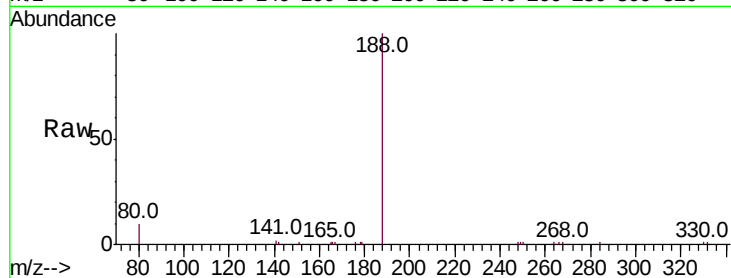
Tot Ion:188 Resp: 7050

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

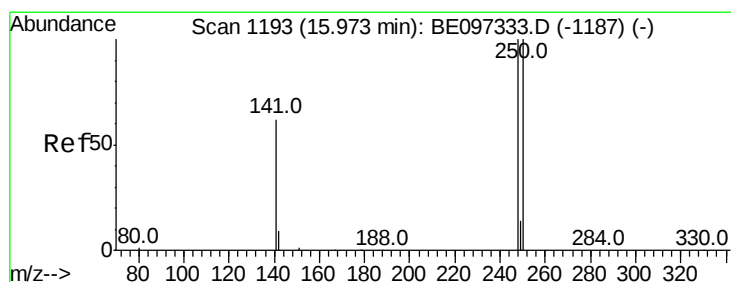
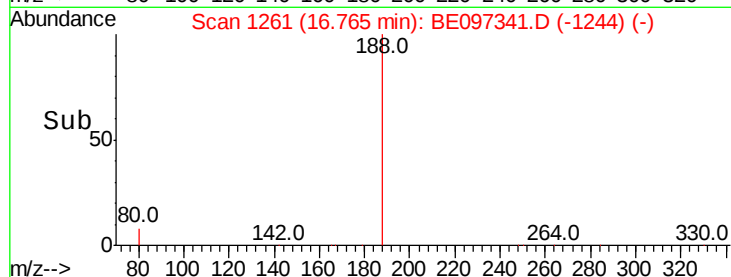
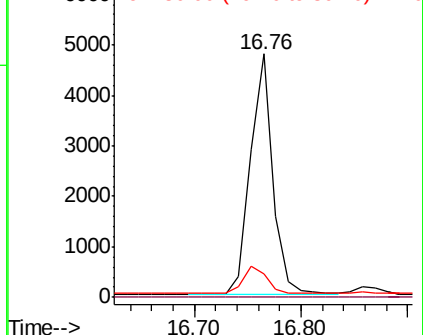
80 9.9 3.6 5.4#



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: 0.001 ng

RT: 15.94 min Scan# 1190

Delta R.T. -0.04 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

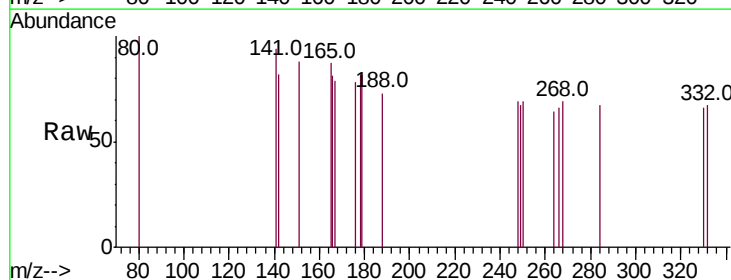
Tgt Ion:248 Resp: 3

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

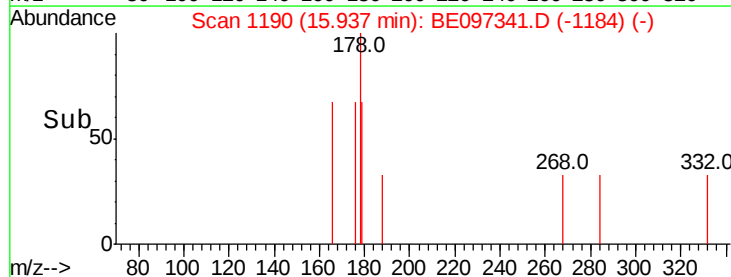
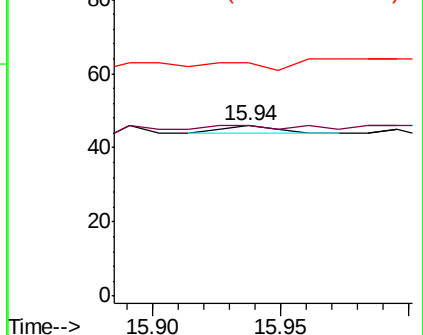
141 137.0 48.2 72.2#

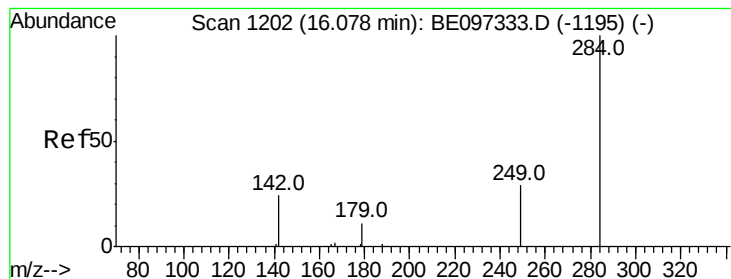


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.000 ng

RT: 16.11 min Scan# 1205

Delta R.T. 0.03 min

Lab File: BE097341.D

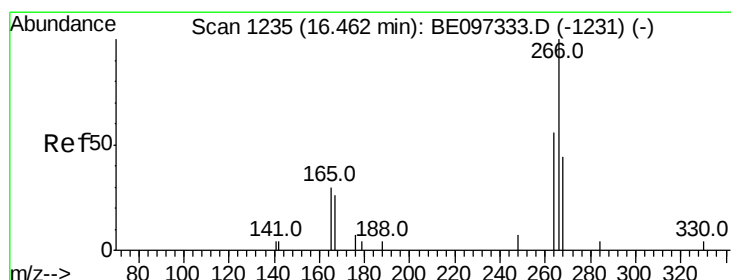
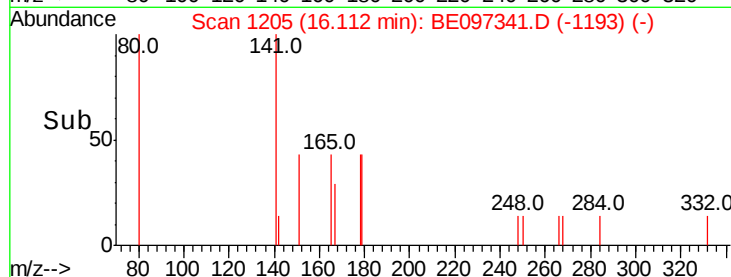
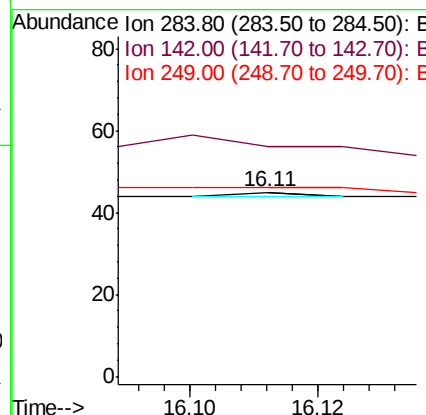
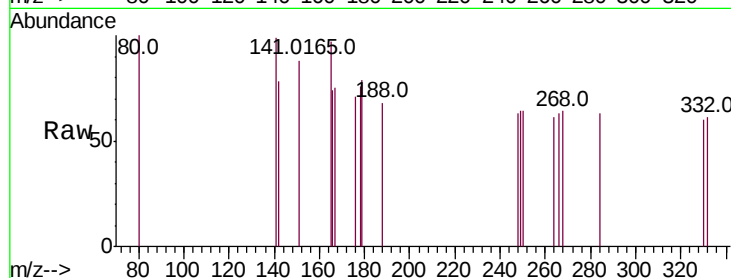
Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampled :

Tot Ion:284	Resp:	1
Ion	Ratio	Lower Upper
284	100	
142	0.0	22.1 33.1#
249	0.0	34.8 52.2#



#22

Pentachlorophenol

Concen: 0.035 ng

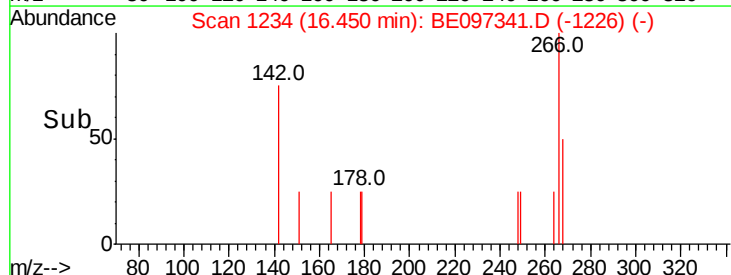
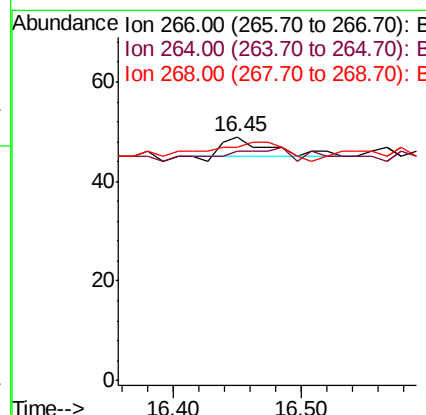
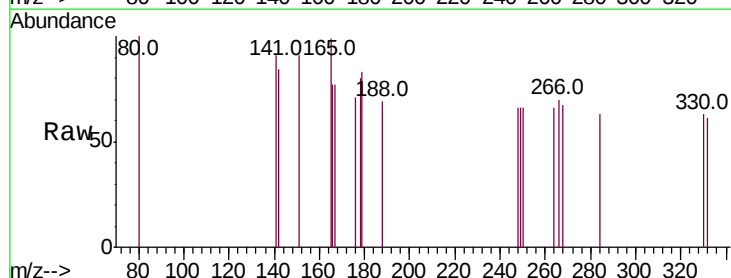
RT: 16.45 min Scan# 1234

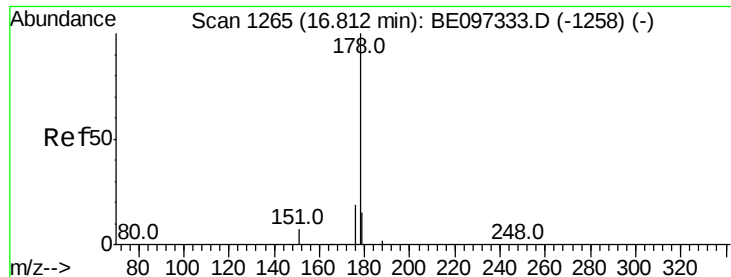
Delta R.T. -0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Tgt Ion:266	Resp:	10
Ion	Ratio	Lower Upper
266	100	
264	93.9	72.5 108.7
268	95.9	73.8 110.6





#23

Phenanthrene

Concen: 0.016 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampled :

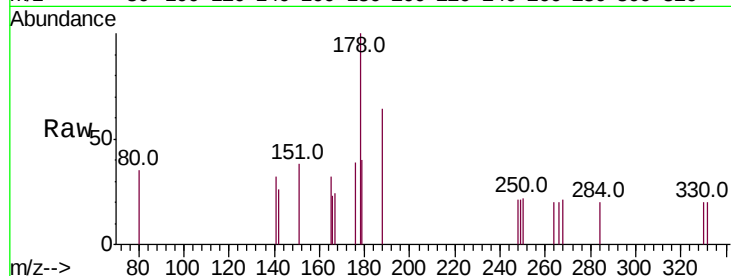
Tot Ion:178 Resp: 283

Ion Ratio Lower Upper

178 100

176 21.9 15.1 22.7

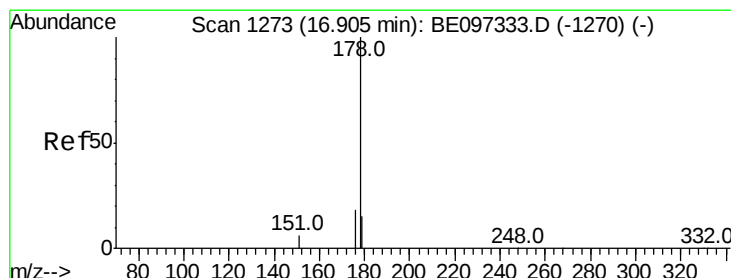
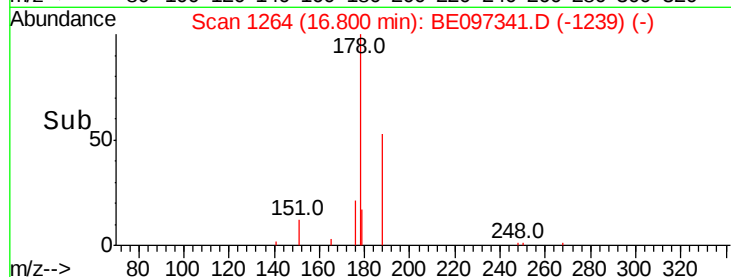
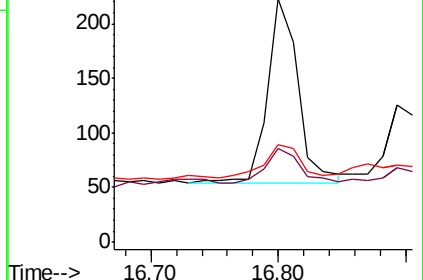
179 21.6 11.8 17.6#



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: 0.009 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

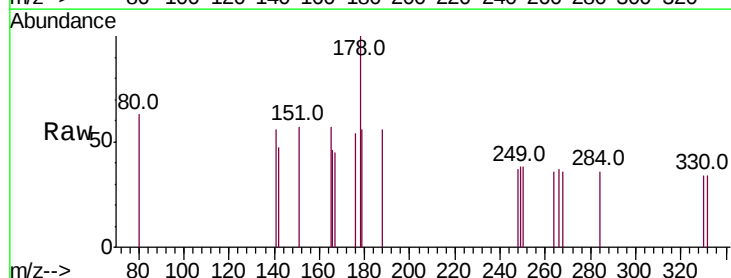
Tgt Ion:178 Resp: 120

Ion Ratio Lower Upper

178 100

176 20.0 12.8 19.2#

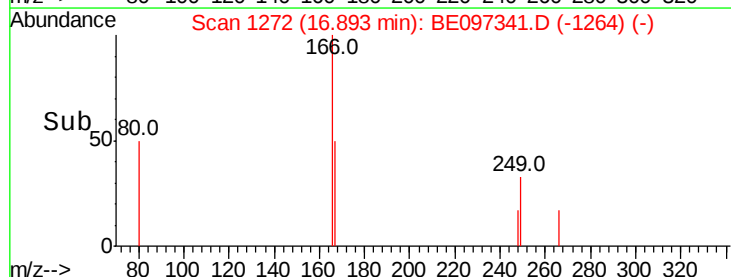
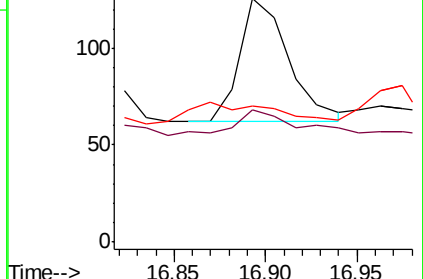
179 0.0 13.0 19.6#

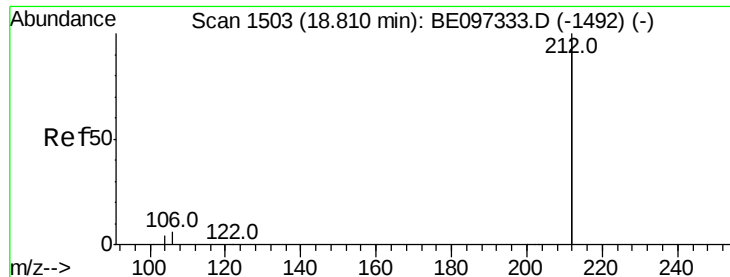


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.493 ng

RT: 18.80 min Scan# 1502

Delta R.T. -0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampleId :

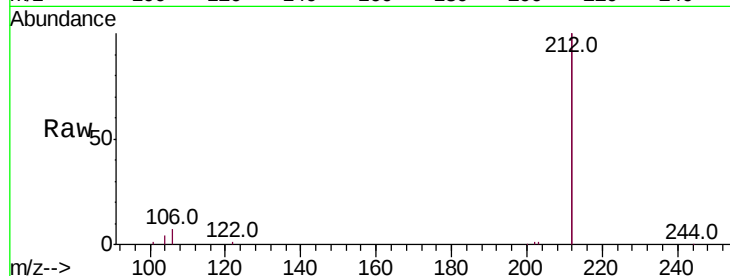
Tot Ion:212 Resp: 30992

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

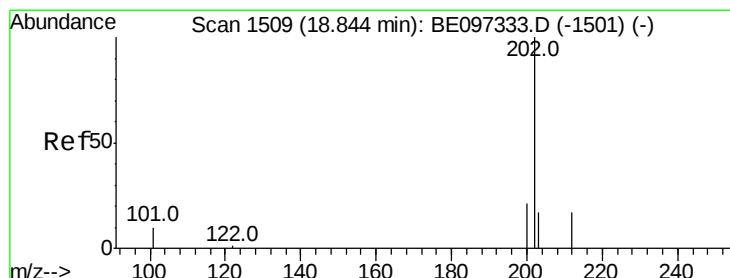
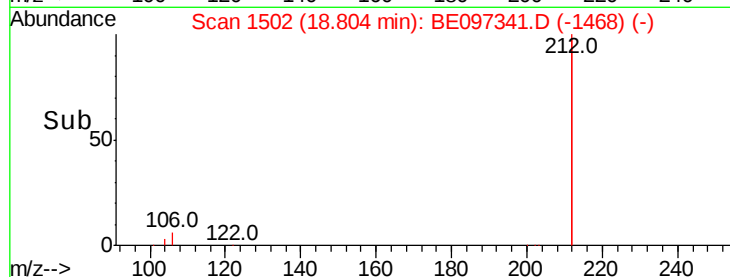
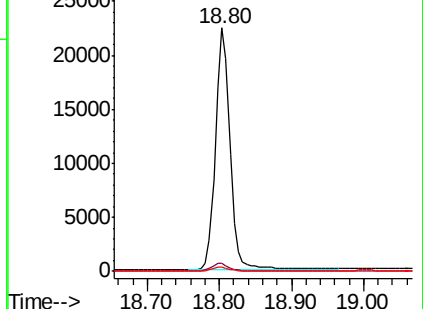
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.026 ng

RT: 18.83 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

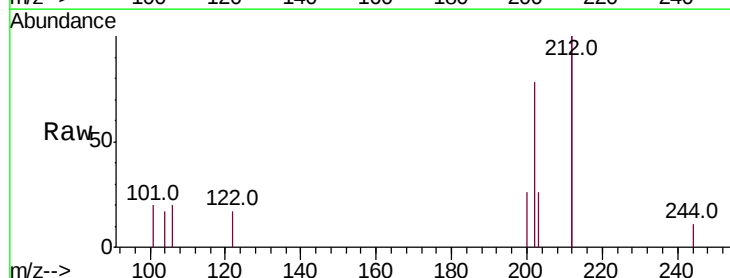
Tgt Ion:202 Resp: 428

Ion Ratio Lower Upper

202 100

101 8.4 9.8 14.8#

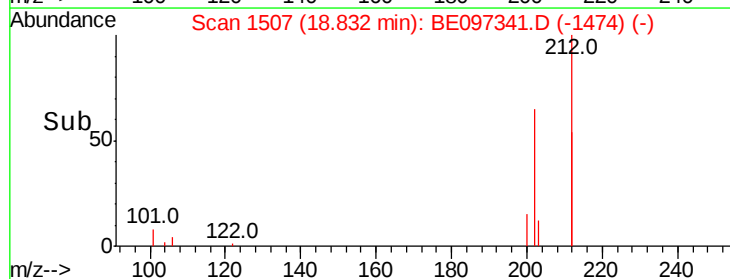
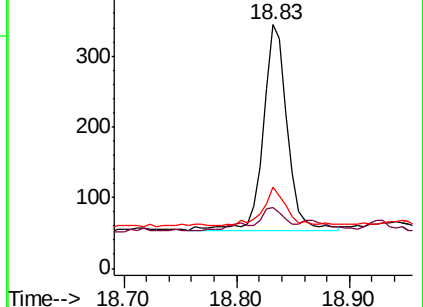
203 17.3 13.7 20.5

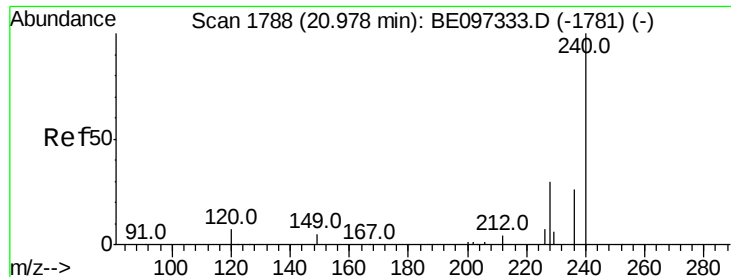


Abundance Ion 202.00 (201.70 to 202.70): E

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: 20.97 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampled :

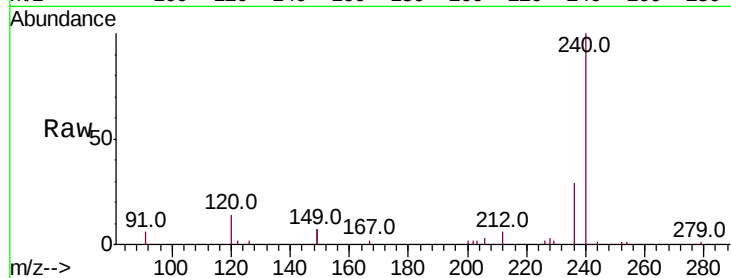
Tot Ion:240 Resp: 6527

Ion Ratio Lower Upper

240 100

120 14.3 5.5 8.3#

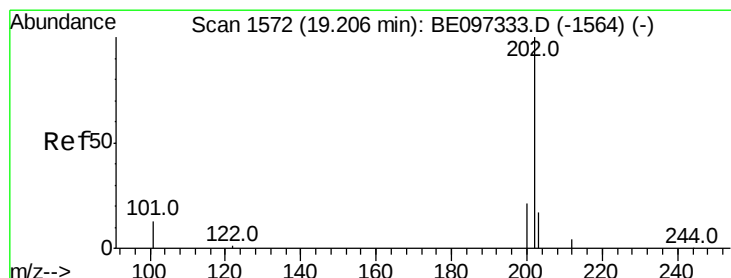
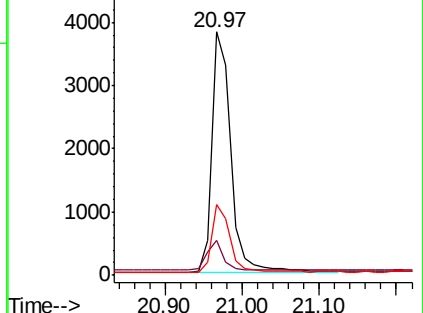
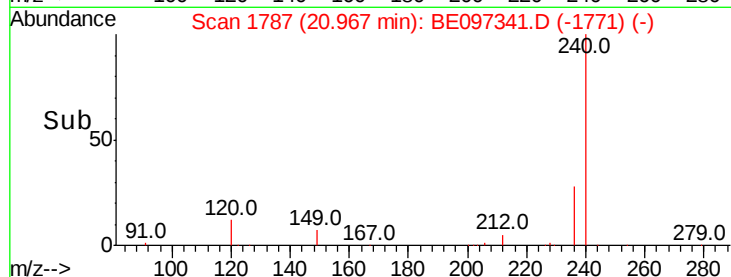
236 28.9 20.7 31.1



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: 0.022 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

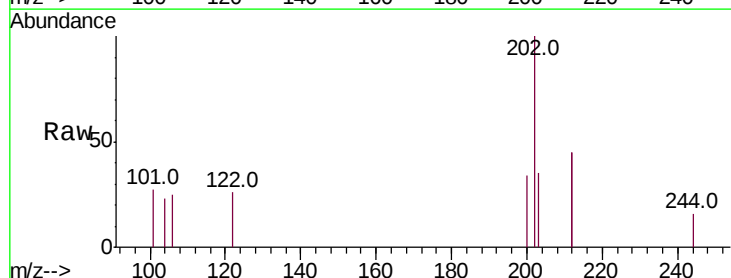
Tgt Ion:202 Resp: 381

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

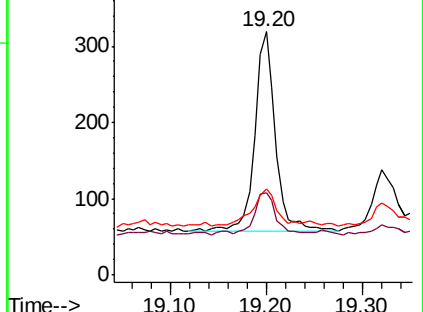
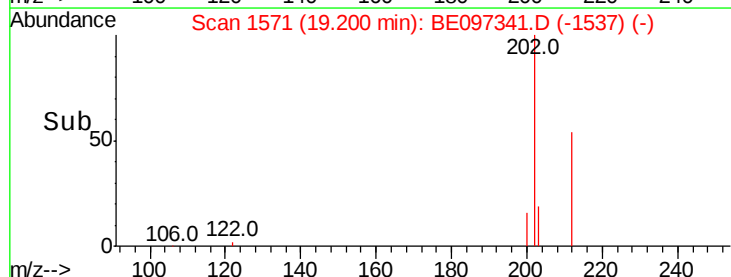
203 19.4 13.8 20.8

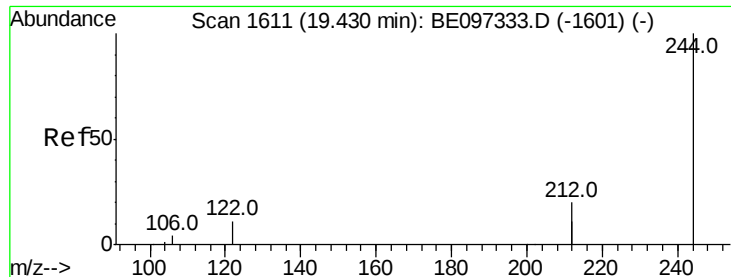


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

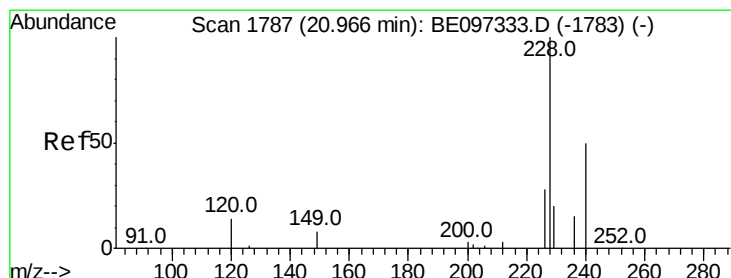
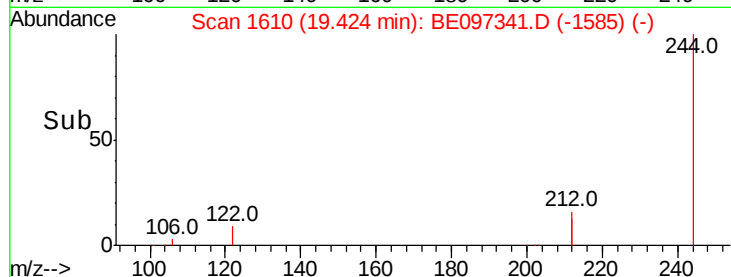
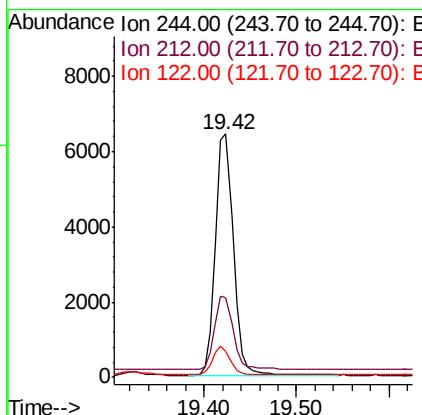
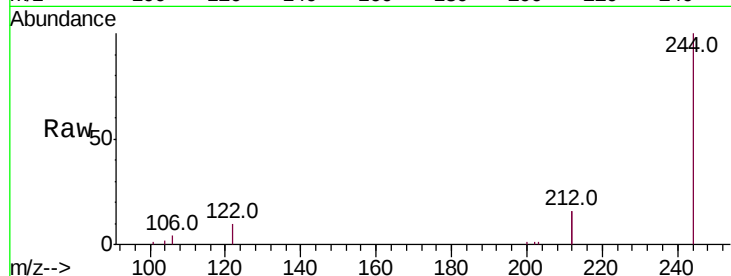




#29
 Terphenyl-d14
 Concen: 0.661 ng
 RT: 19.42 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BE097341.D
 Acq: 20 Aug 2018 20:43

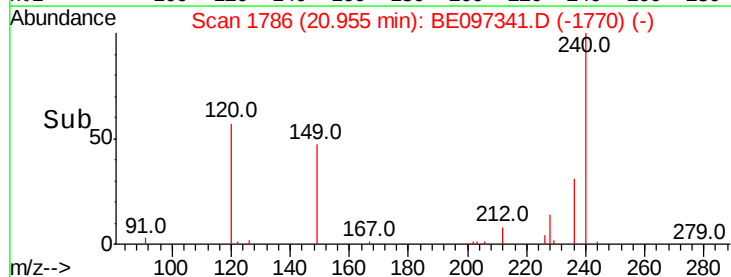
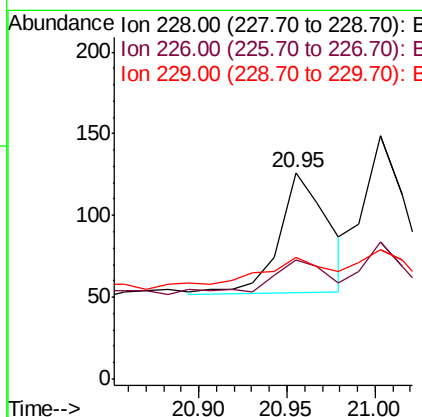
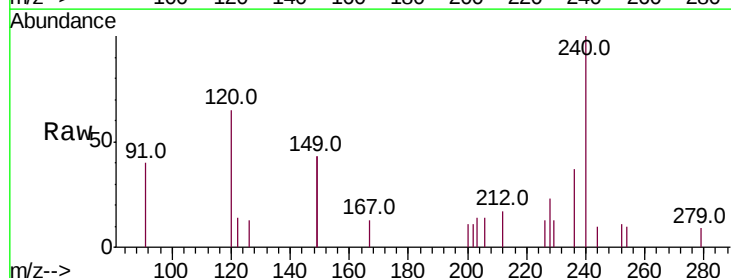
Instrument :
 BNA_E
 ClientSampleId :

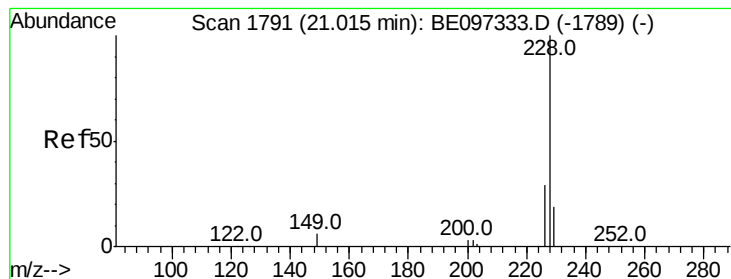
Tot Ion:244 Resp: 8637
 Ion Ratio Lower Upper
 244 100
 212 32.7 25.4 38.0
 122 10.5 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.010 ng
 RT: 20.95 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BE097341.D
 Acq: 20 Aug 2018 20:43

Tgt Ion:228 Resp: 143
 Ion Ratio Lower Upper
 228 100
 226 57.9 24.0 36.0#
 229 58.7 16.0 24.0#

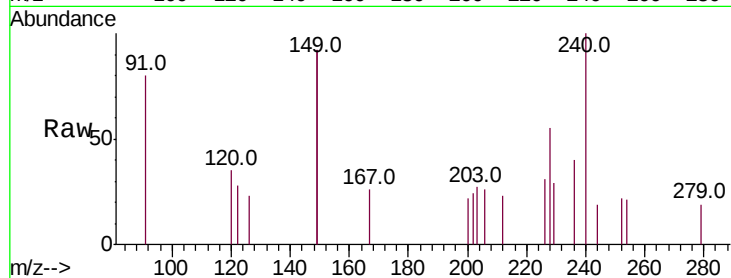




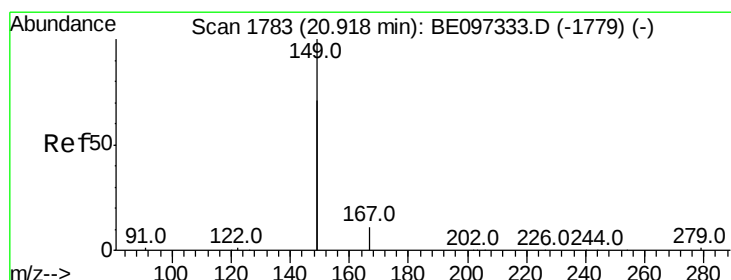
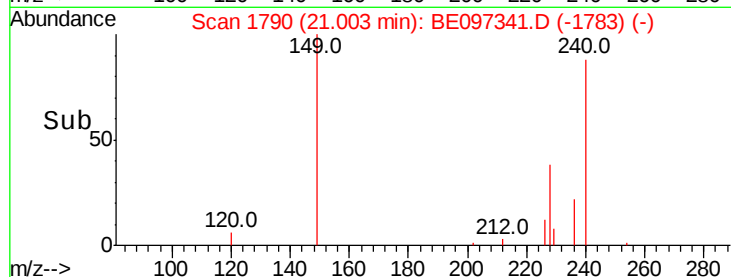
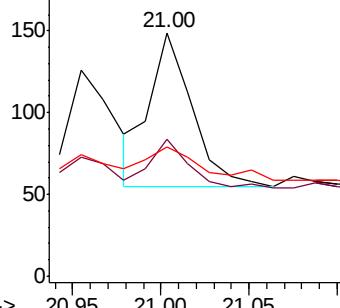
#31
 Chrysene
 Concen: 0.009 ng
 RT: 21.00 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BE097341.D
 Acq: 20 Aug 2018 20:43

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:228 Resp: 158
 Ion Ratio Lower Upper
 228 100
 226 56.4 24.0 36.0#
 229 53.0 16.0 24.0#

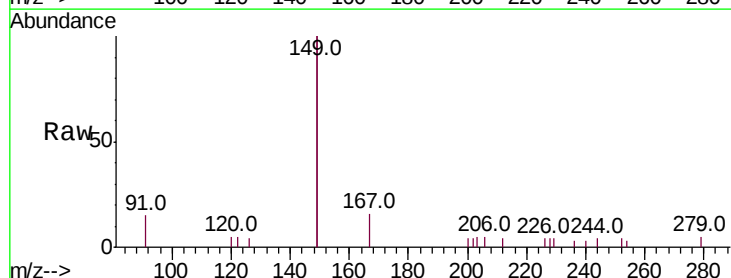


Abundance Ion 228.00 (227.70 to 228.70): E
 200 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

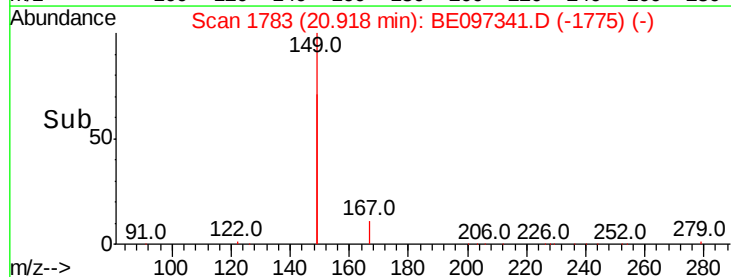
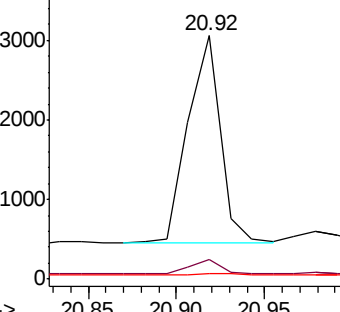


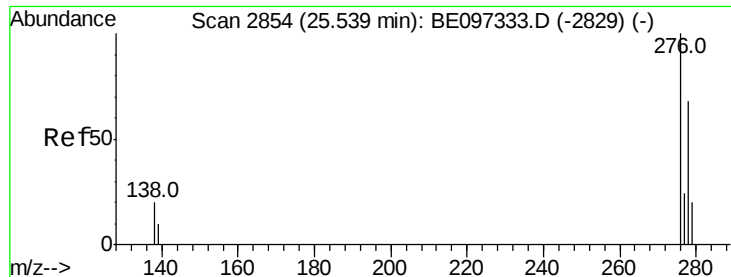
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.413 ng
 RT: 20.92 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BE097341.D
 Acq: 20 Aug 2018 20:43

Tgt Ion:149 Resp: 3287
 Ion Ratio Lower Upper
 149 100
 167 6.5 5.4 8.0
 279 1.2 0.7 1.1#



Abundance Ion 149.00 (148.70 to 149.70): E
 4000 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: 0.004 ng

RT: 25.52 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampleId :

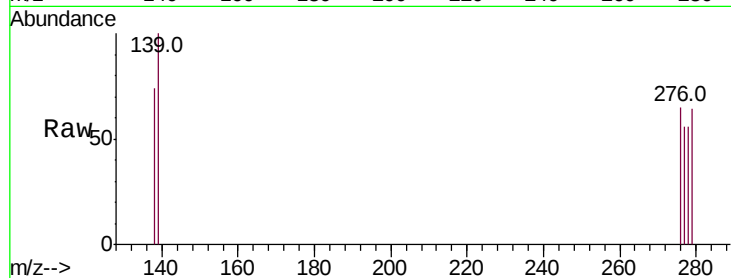
Tot Ion:276 Resp: 42

Ion Ratio Lower Upper

276 100

138 83.3 22.5 33.7#

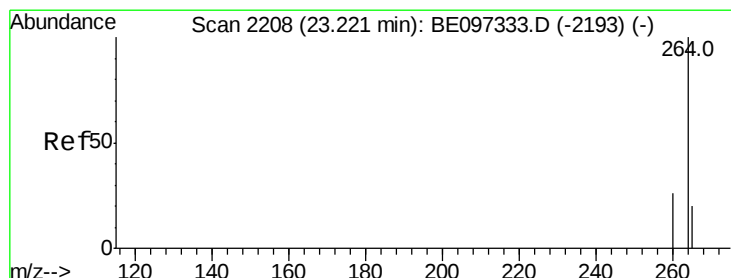
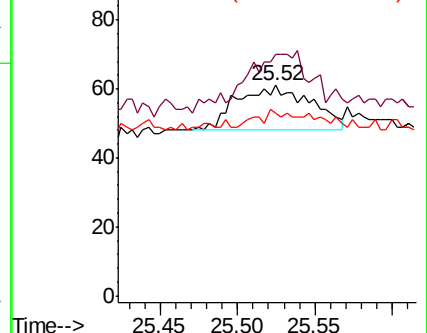
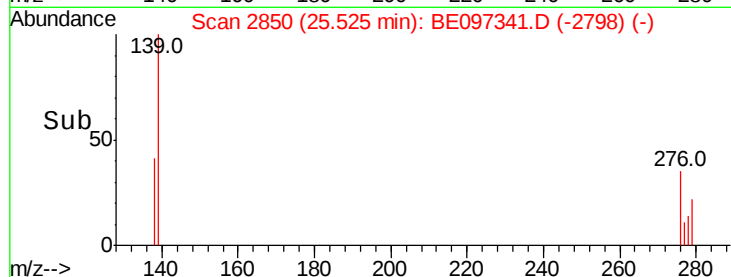
277 16.7 19.9 29.9#



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: 23.21 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

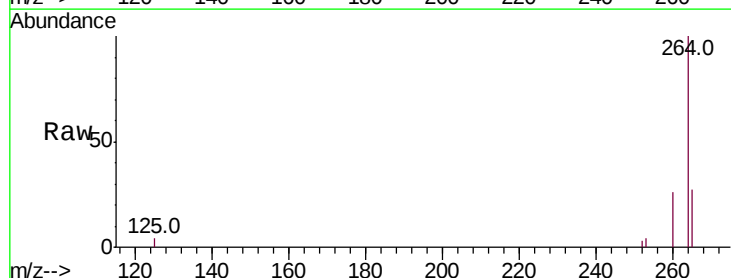
Tgt Ion:264 Resp: 5698

Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

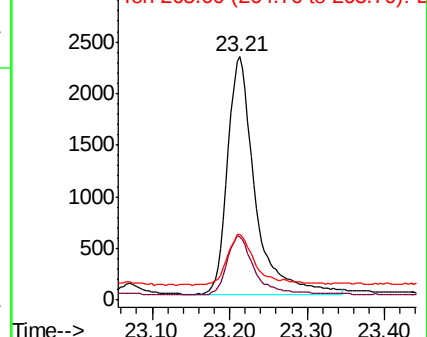
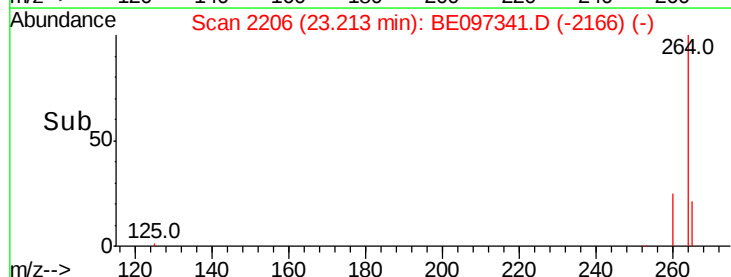
265 26.9 22.8 34.2

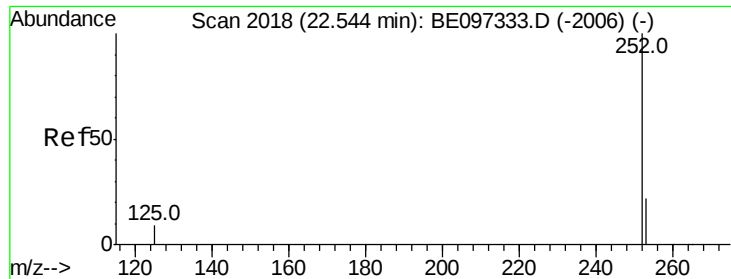


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.009 ng

RT: 22.54 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampleId :

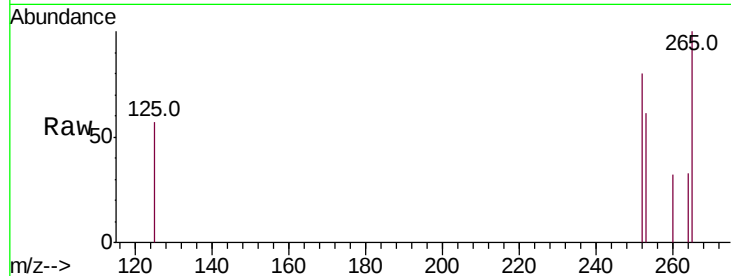
Tot Ion:252 Resp: 130

Ion Ratio Lower Upper

252 100

253 76.9 20.0 30.0#

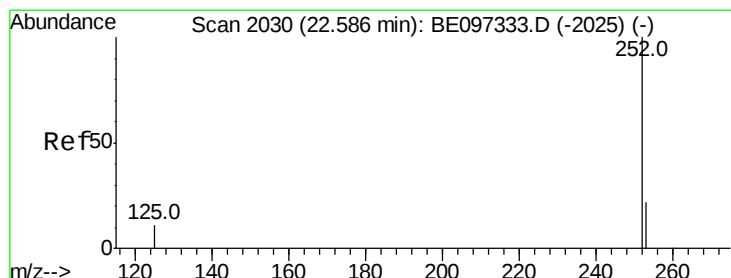
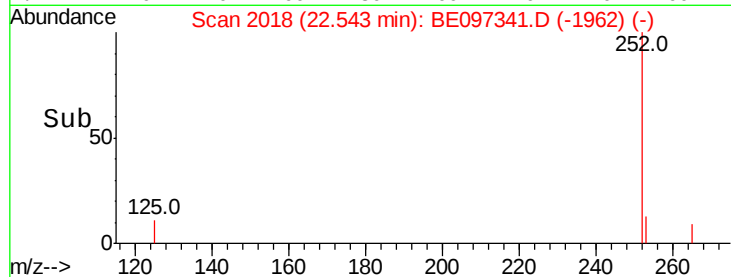
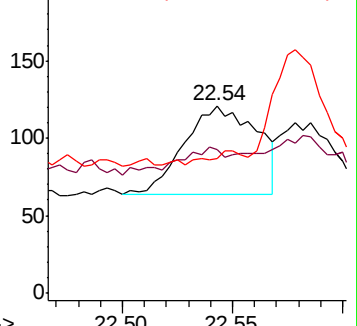
125 71.9 16.0 24.0#



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: 0.006 ng

RT: 22.54 min Scan# 2018

Delta R.T. -0.04 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

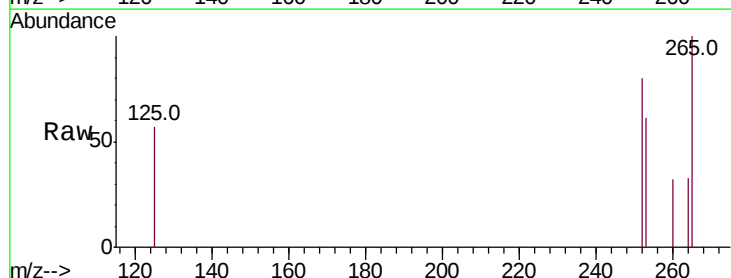
Tgt Ion:252 Resp: 130

Ion Ratio Lower Upper

252 100

253 76.9 16.0 24.0#

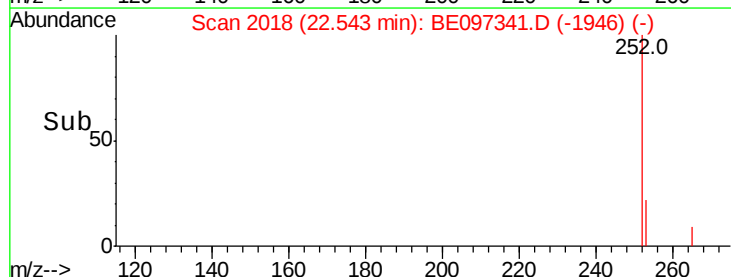
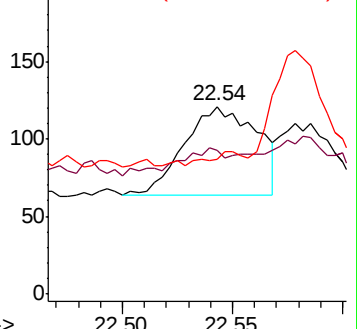
125 71.9 8.0 12.0#

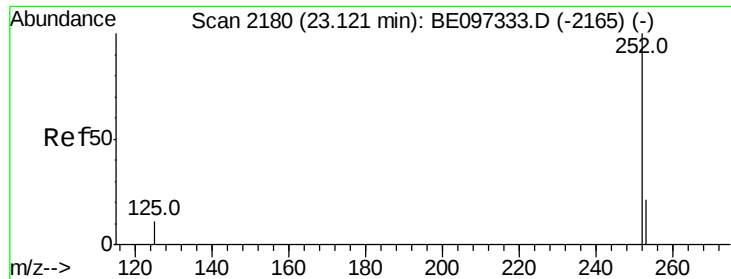


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.003 ng

RT: 23.12 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampleId :

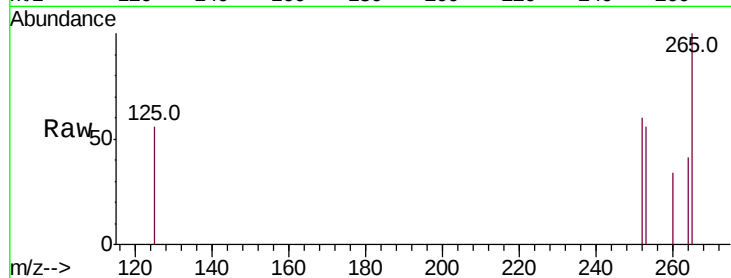
Tot Ion:252 Resp: 43

Ion Ratio Lower Upper

252 100

253 93.3 16.0 24.0#

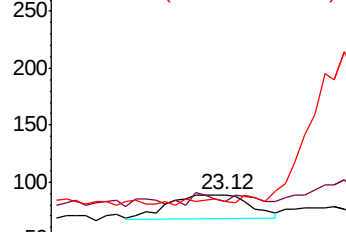
125 93.3 12.0 18.0#



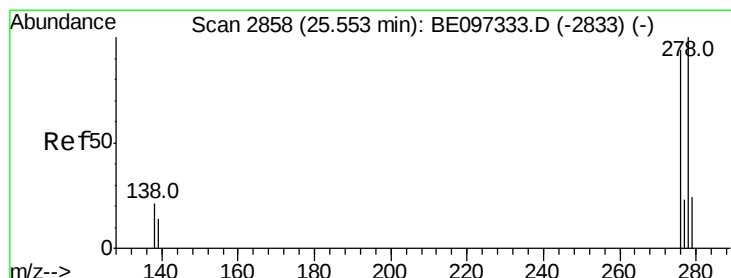
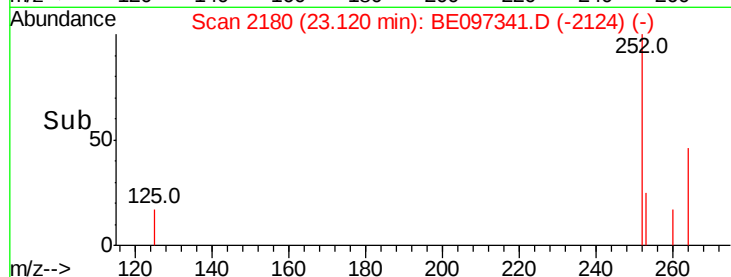
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#38

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 25.55 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

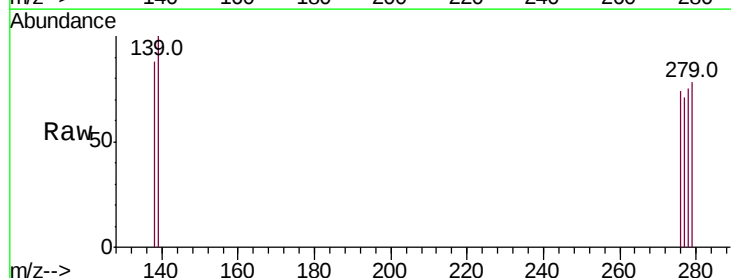
Tgt Ion:278 Resp: 3

Ion Ratio Lower Upper

278 100

139 132.7 16.0 24.0#

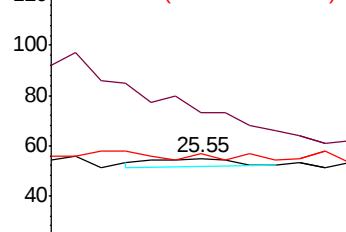
279 103.6 20.0 30.0#



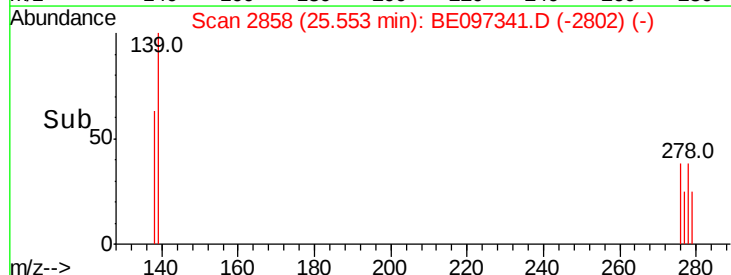
Abundance Ion 278.00 (277.70 to 278.70): E

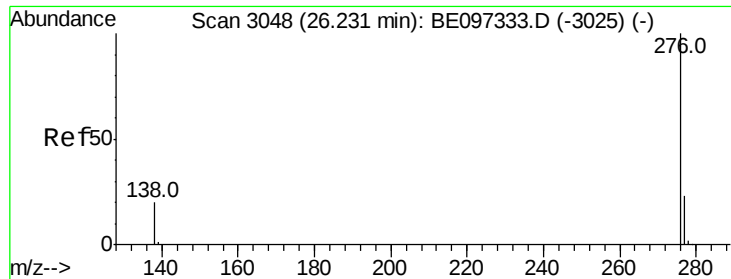
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#39

Benzo(a,h,i)perylene

Concen: 0.001 ng

RT: 26.21 min Scan# 3041

Delta R.T. -0.03 min

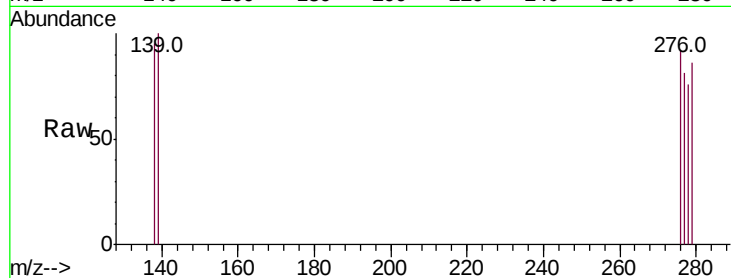
Lab File: BE097341.D

Acq: 20 Aug 2018 20:43

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 14

Ion Ratio Lower Upper

276 100

277 87.9 16.0 24.0#

138 103.4 20.0 30.0#

