

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097550.D
 Acq On : 19 Sep 2018 21:14
 Operator : SJ/JU
 Sample : J4958-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 20 05:10:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 19 16:26:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	767	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3246	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	1670	0.40	ng	0.01
19) Phenanthrene-d10	16.77	188	4680	0.40	ng	0.01
27) Chrysene-d12	20.97	240	8160	0.40	ng	0.00
34) Perylene-d12	23.21	264	9012	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	357	0.16	ng	0.01
5) Phenol-d6	6.64	99	152	0.05	ng	0.05
8) Nitrobenzene-d5	8.54	82	959	0.38	ng	0.02
11) 2-Methylnaphthalene-d10	11.74	152	1651	0.37	ng	0.02
14) 2,4,6-Tribromophenol	15.53	330	262	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	2909	0.49	ng	0.00
25) Fluoranthene-d10	18.80	212	25809	0.43	ng	0.00
29) Terphenyl-d14	19.41	244	6081	0.41	ng	0.00

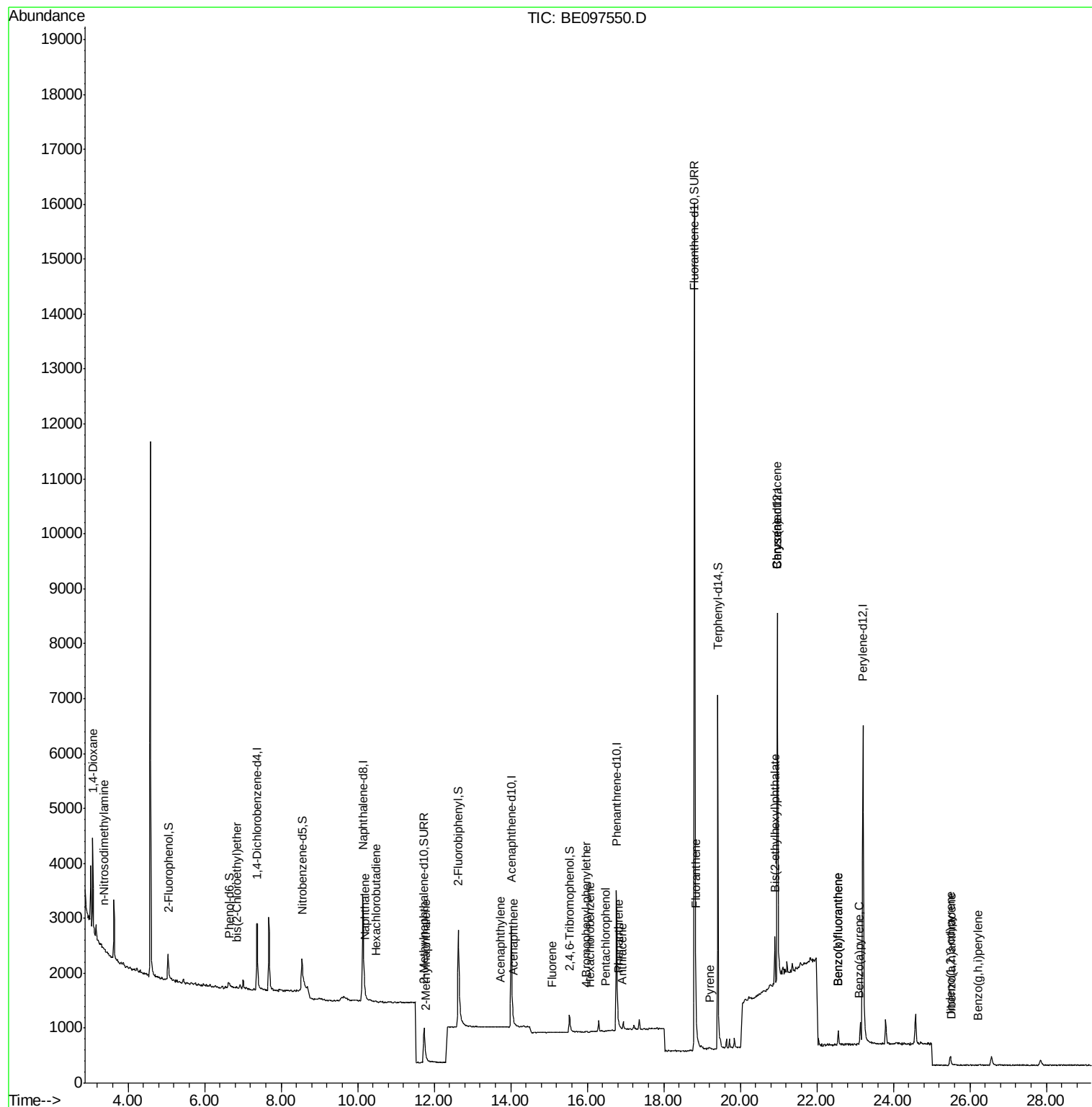
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.07	88	923	0.740	ng	94
3) n-Nitrosodimethylamine	3.37	42	7	0.023	ng	# 46
6) bis(2-Chloroethyl)ether	6.84	93	8	0.003	ng	# 1
9) Naphthalene	10.18	128	78	0.003	ng	# 45
10) Hexachlorobutadiene	10.48	225	4	0.003	ng	# 17
12) 2-Methylnaphthalene	11.79	142	1	0.000	ng	# 54
16) Acenaphthylene	13.73	152	12	0.002	ng	# 62
17) Acenaphthene	14.07	154	1	0.000	ng	# 1
18) Fluorene	15.09	166	11	0.002	ng	97
20) 4-Bromophenyl-phenylether	15.97	248	2	0.001	ng	# 58
21) Hexachlorobenzene	16.08	284	5	0.002	ng	# 53
22) Pentachlorophenol	16.47	266	7	0.136	ng	91
23) Phenanthrene	16.81	178	38	0.003	ng	# 32
24) Anthracene	16.91	178	8	0.001	ng	# 1
26) Fluoranthene	18.84	202	27	0.002	ng	# 70
28) Pyrene	19.21	202	21	0.001	ng	# 33
30) Benzo(a)anthracene	20.97	228	39	0.002	ng	# 1
31) Chrysene	20.97	228	35	0.002	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.91	149	1237	0.046	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.51	276	1	0.000	ng	# 1
35) Benzo(b)fluoranthene	22.56	252	58	0.003	ng	# 1
36) Benzo(k)fluoranthene	22.56	252	58	0.002	ng	# 1
37) Benzo(a)pyrene	23.10	252	4	0.021	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	1	0.000	ng	# 1
39) Benzo(g,h,i)perylene	26.21	276	1	0.000	ng	# 1

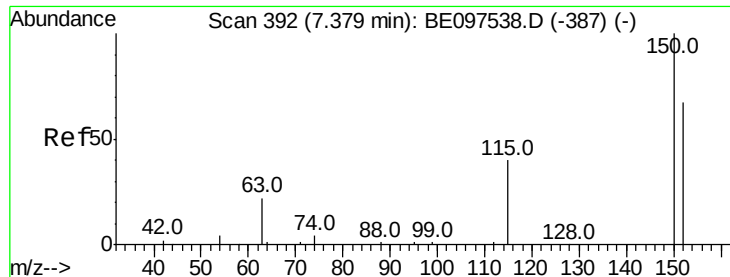
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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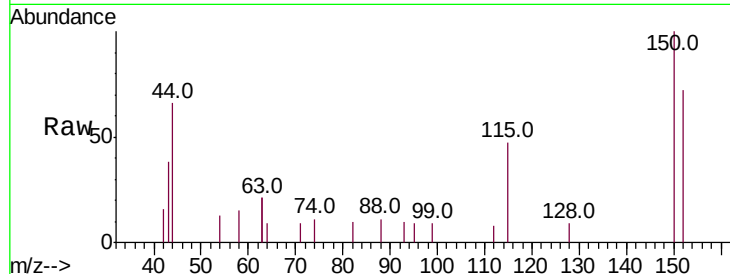


#1

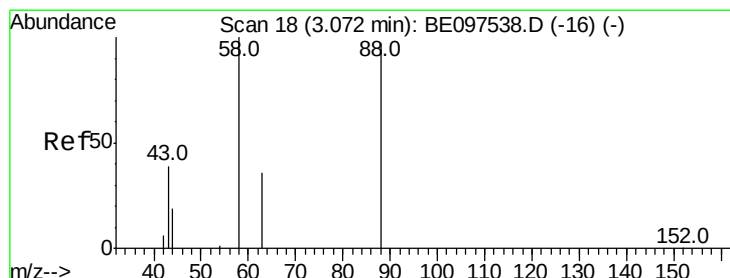
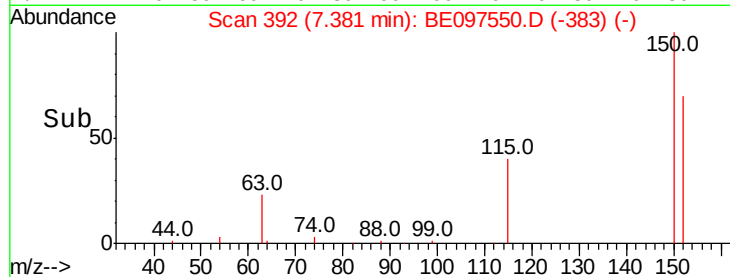
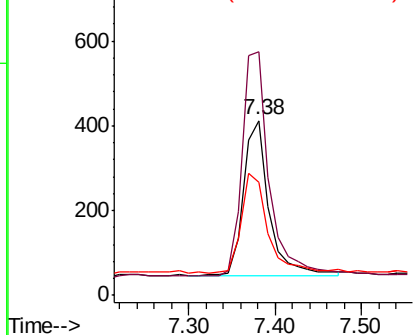
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097550.D
Acq: 19 Sep 2018 21:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 767
Ion Ratio Lower Upper
152 100
150 139.0 117.2 175.8
115 64.6 57.0 85.6



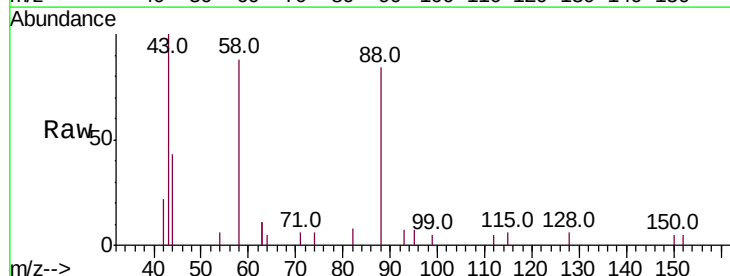
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



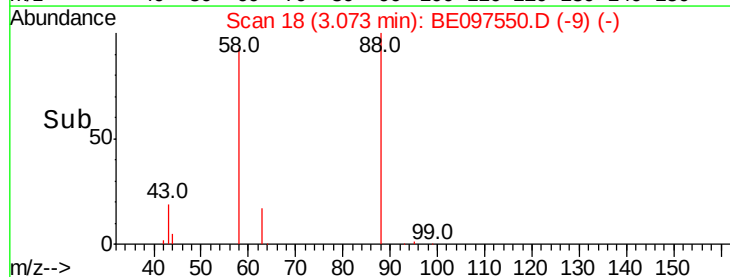
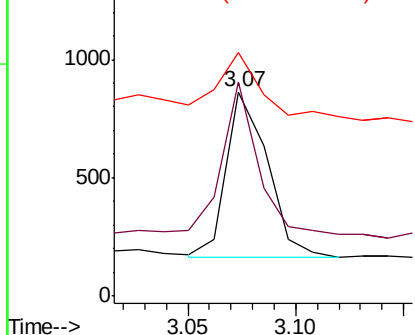
#2

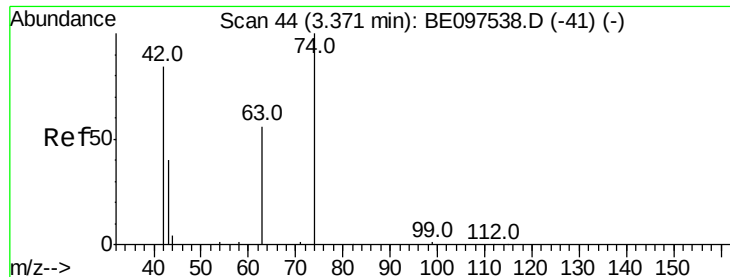
1,4-Dioxane
Concen: 0.740 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.00 min
Lab File: BE097550.D
Acq: 19 Sep 2018 21:14

Tgt Ion: 88 Resp: 923
Ion Ratio Lower Upper
88 100
58 81.0 63.2 94.8
43 44.1 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

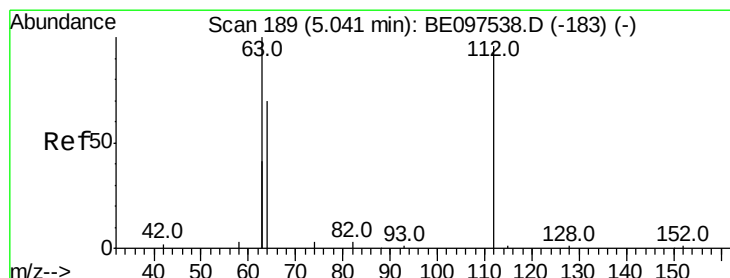
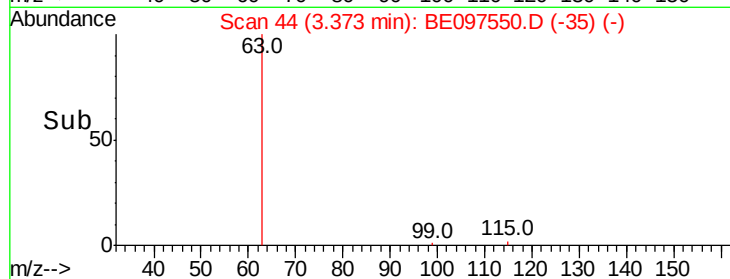
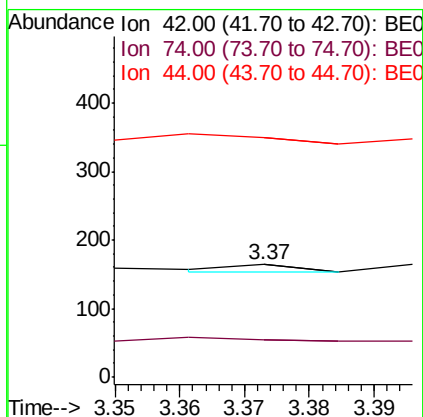
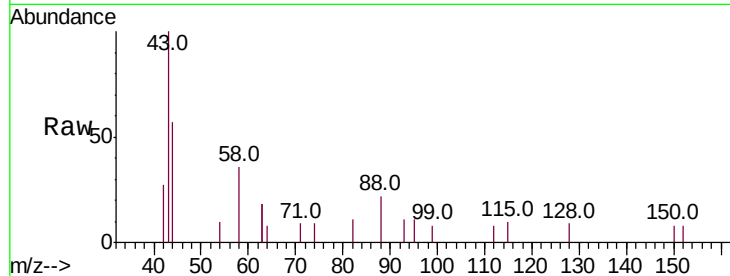




#3
n-Nitrosodimethylamine
Concen: 0.023 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE097550.D
Acq: 19 Sep 2018 21:14

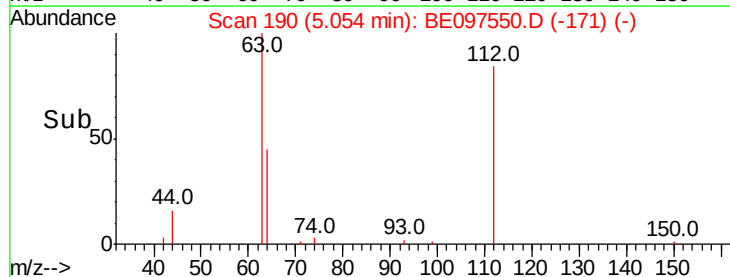
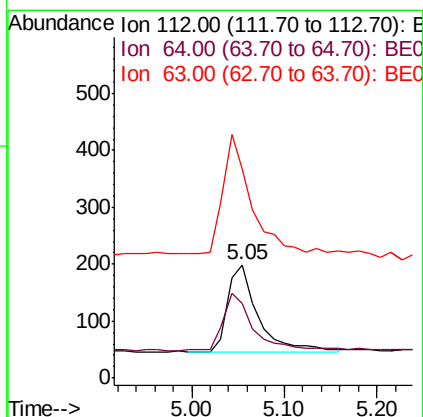
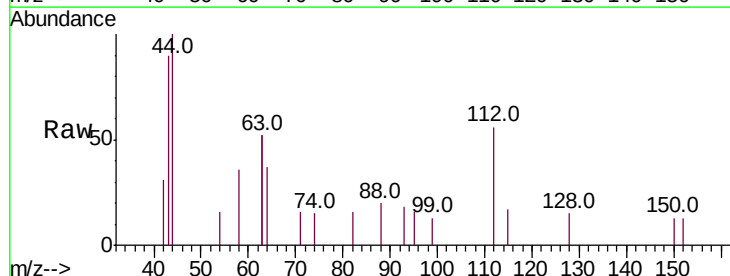
Instrument :
BNA_E
ClientSampleId :

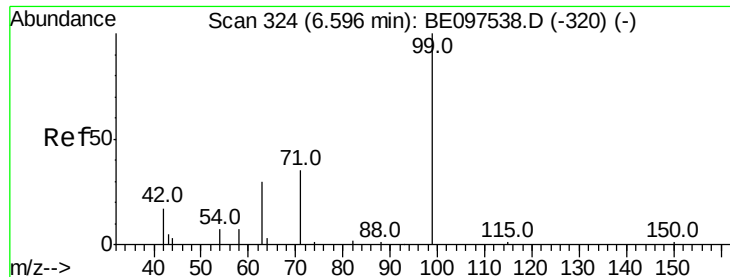
Tot Ion: 42 Resp: 7
Ion Ratio Lower Upper
42 100
74 57.1 96.0 144.0#
44 0.0 12.0 18.0#



#4
2-Fluorophenol
Concen: 0.155 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.01 min
Lab File: BE097550.D
Acq: 19 Sep 2018 21:14

Tgt Ion: 112 Resp: 357
Ion Ratio Lower Upper
112 100
64 66.7 60.1 90.1
63 124.9 116.8 175.2





#5

Phenol-d6

Concen: 0.052 ng

RT: 6.64 min Scan# 328

Delta R.T. 0.05 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampled :

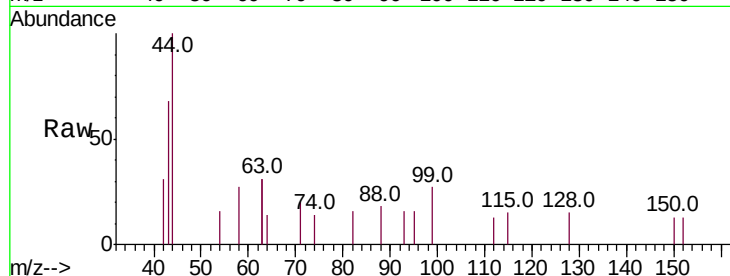
Tot Ion: 99 Resp: 152

Ion Ratio Lower Upper

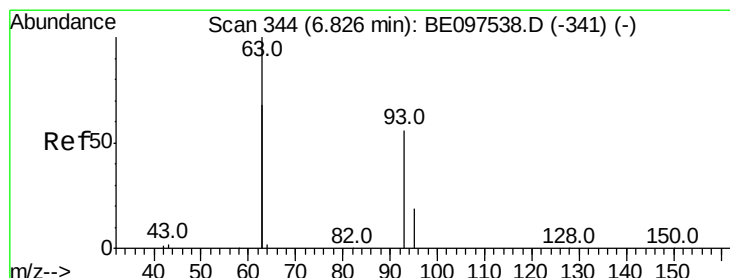
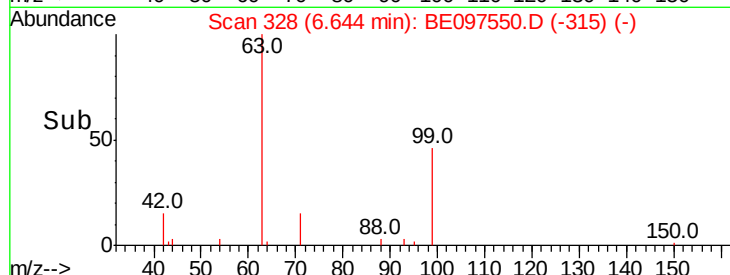
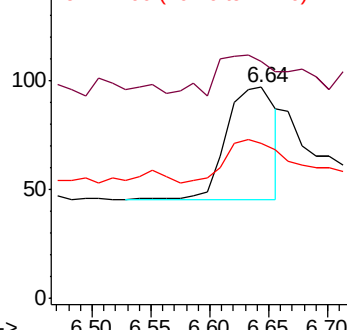
99 100

42 32.9 20.2 30.2#

71 36.8 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: 0.003 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

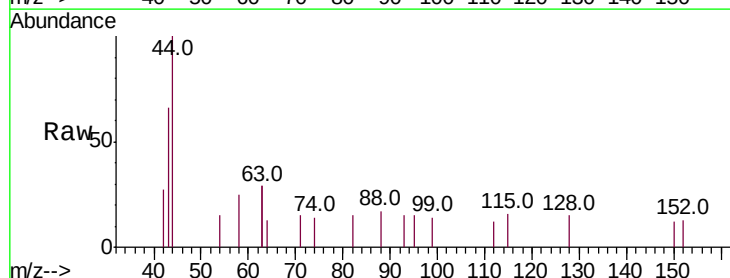
Tgt Ion: 93 Resp: 8

Ion Ratio Lower Upper

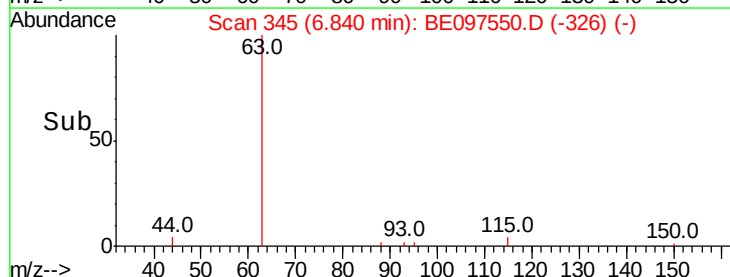
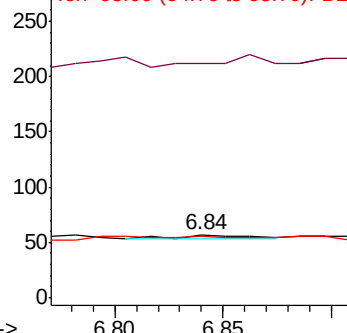
93 100

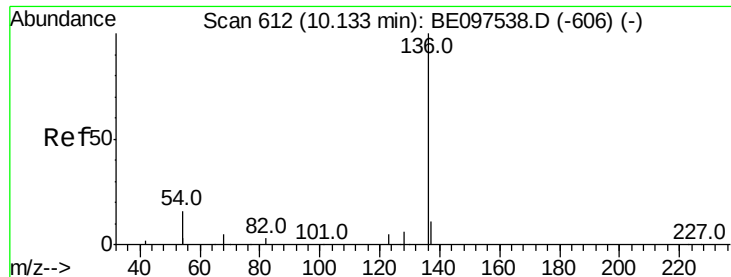
63 0.0 275.3 412.9#

95 37.5 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: 10.13 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3246

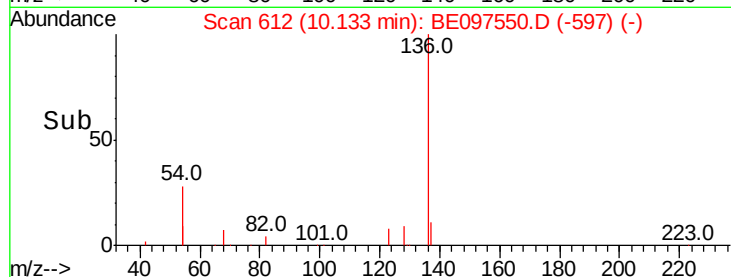
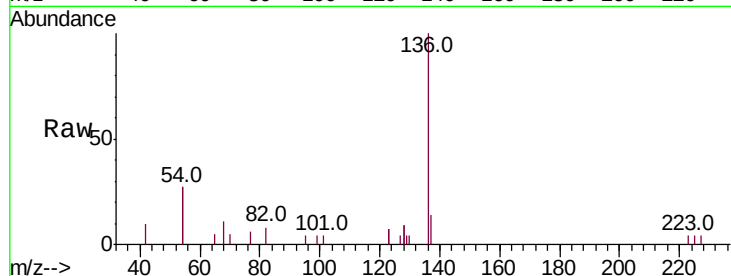
Ion Ratio Lower Upper

136 100

137 14.1 9.5 14.3

54 53.9 29.1 43.7#

68 11.2 6.2 9.2#

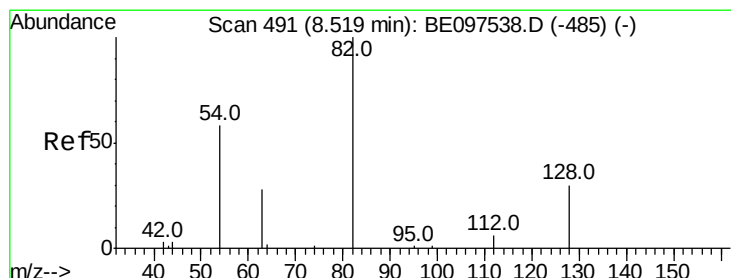
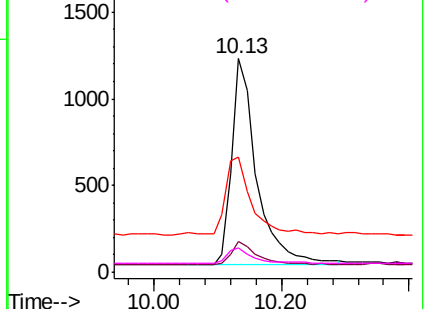


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.382 ng

RT: 8.54 min Scan# 493

Delta R.T. 0.02 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

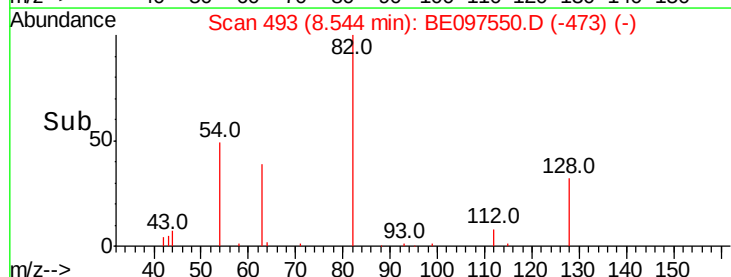
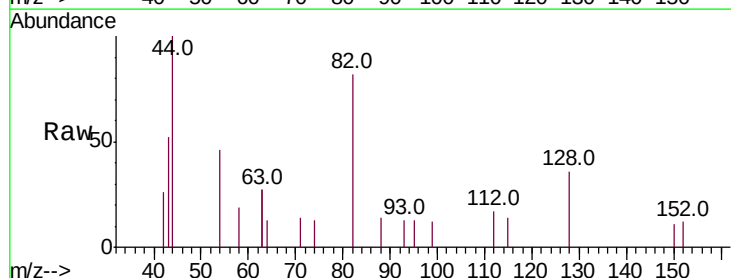
Tgt Ion: 82 Resp: 959

Ion Ratio Lower Upper

82 100

128 43.7 24.0 36.0#

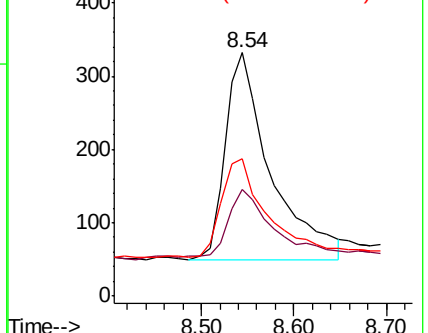
54 56.6 40.0 60.0

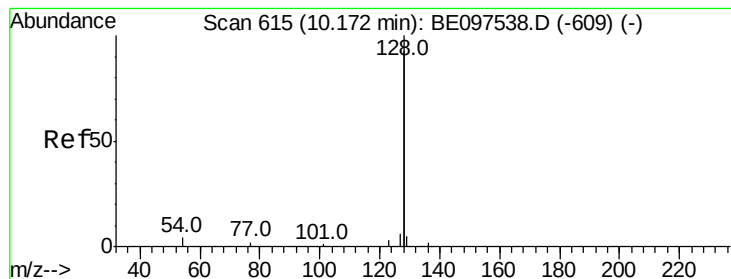


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.003 ng

RT: 10.18 min Scan# 616

Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampleId :

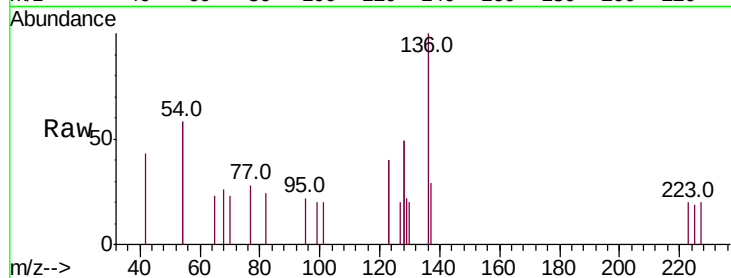
Tot Ion:128 Resp: 78

Ion Ratio Lower Upper

128 100

129 22.4 2.6 3.8#

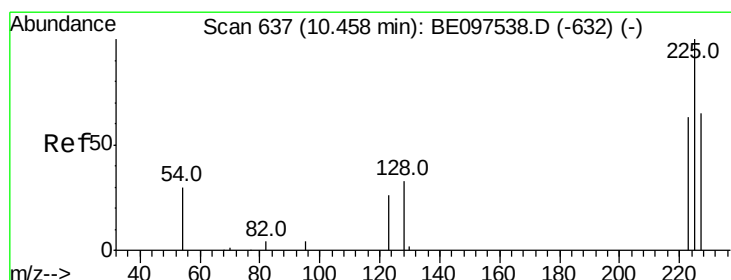
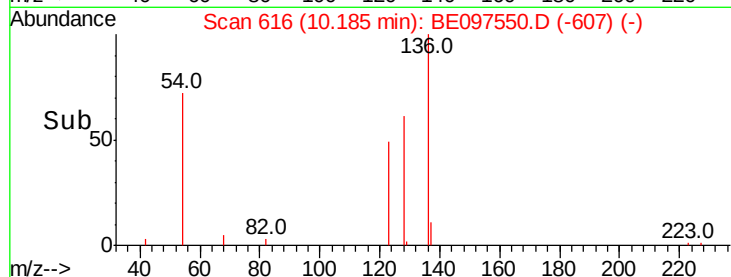
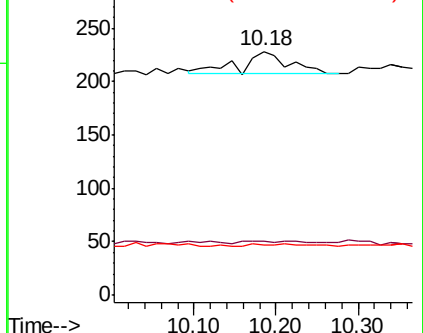
127 20.6 2.8 4.2#



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: 0.003 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.03 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

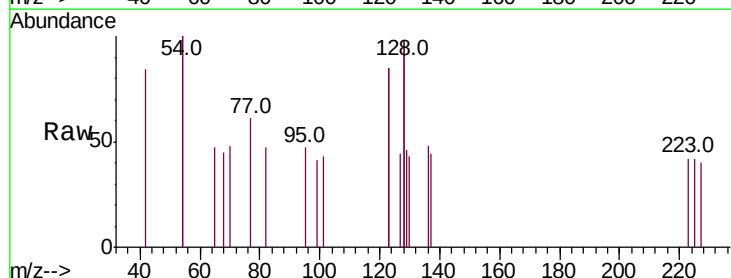
Tgt Ion:225 Resp: 4

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

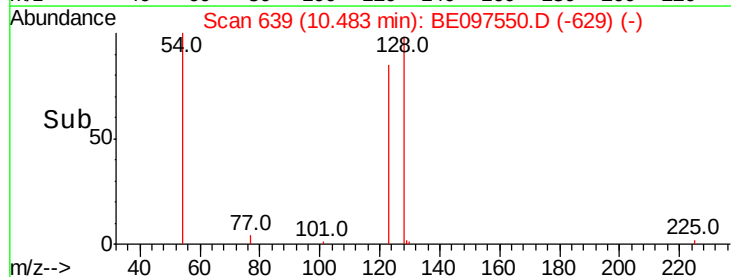
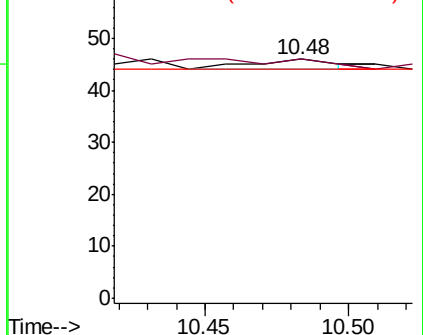
227 0.0 51.4 77.2#

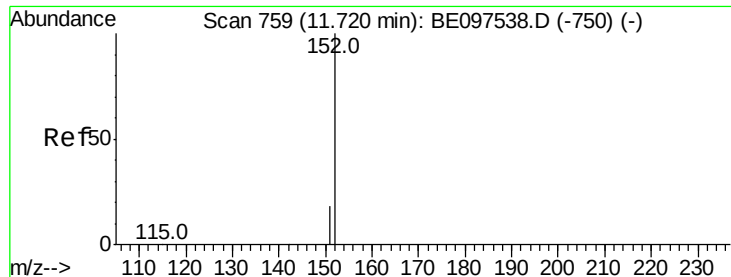


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.369 ng

RT: 11.74 min Scan# 763

Delta R.T. 0.02 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

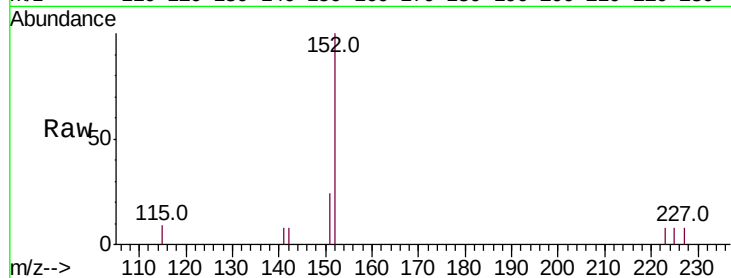
ClientSampleId :

Tot Ion:152 Resp: 1651

Ion Ratio Lower Upper

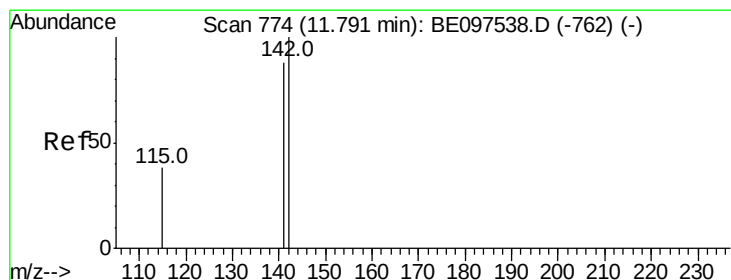
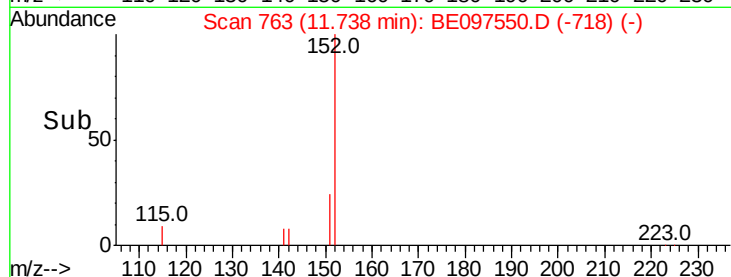
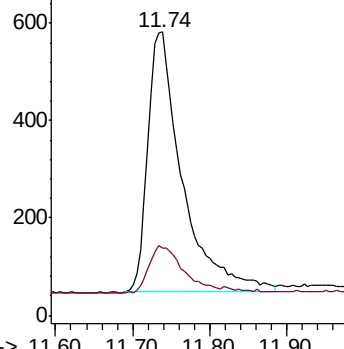
152 100

151 18.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.000 ng

RT: 11.79 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

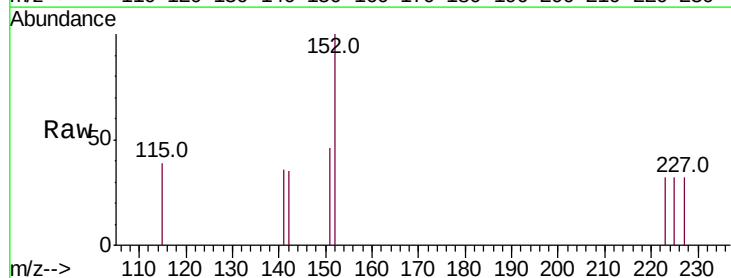
Tgt Ion:142 Resp: 1

Ion Ratio Lower Upper

142 100

141 102.0 70.4 105.6

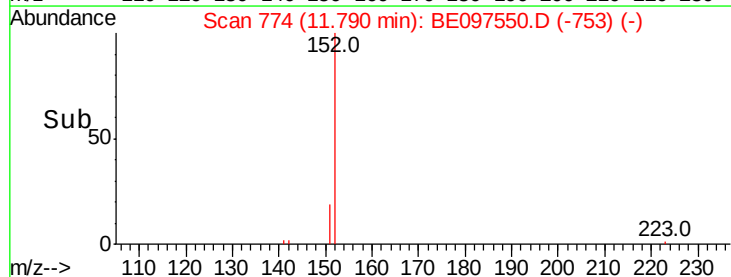
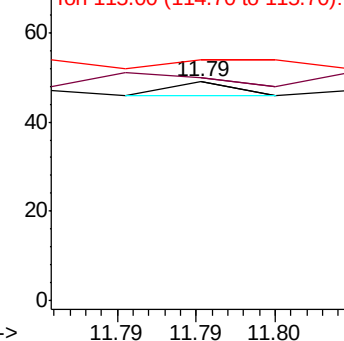
115 110.2 31.7 47.5#

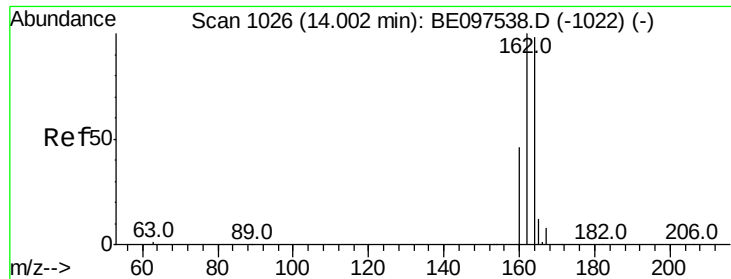


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

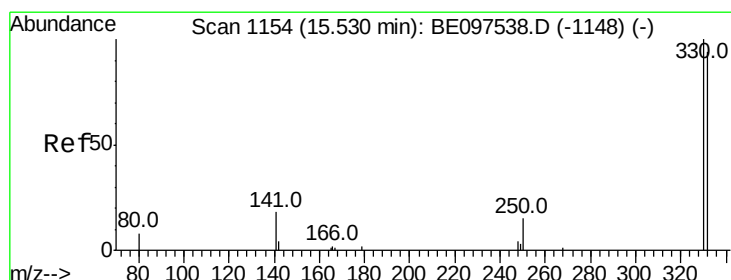
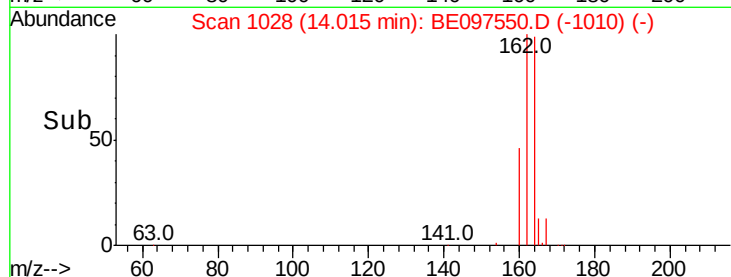
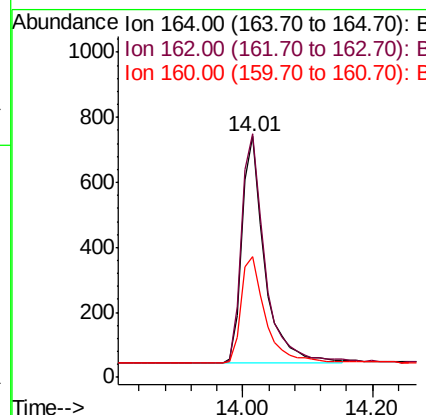
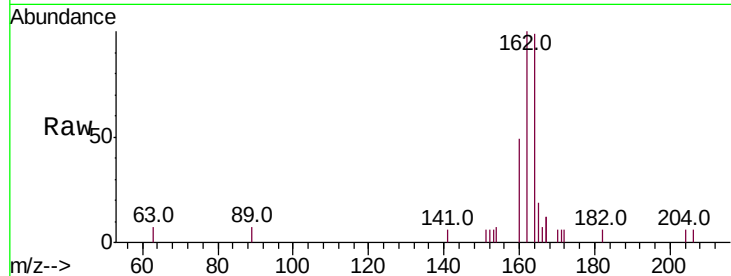




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BE097550.D
 Acq: 19 Sep 2018 21:14

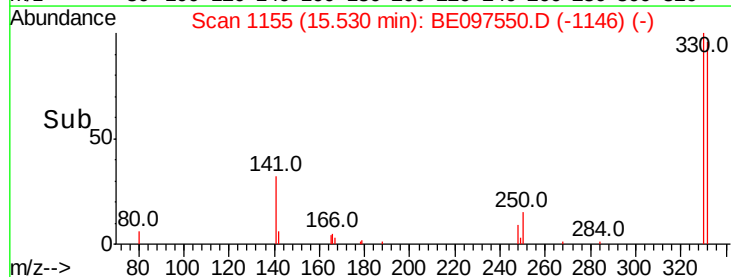
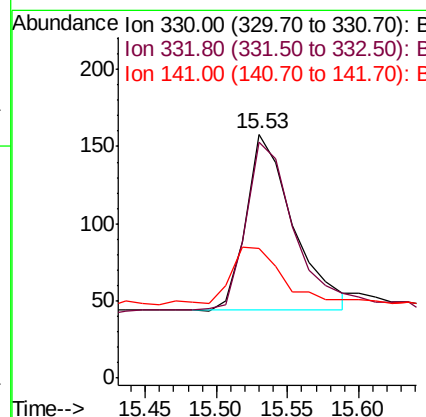
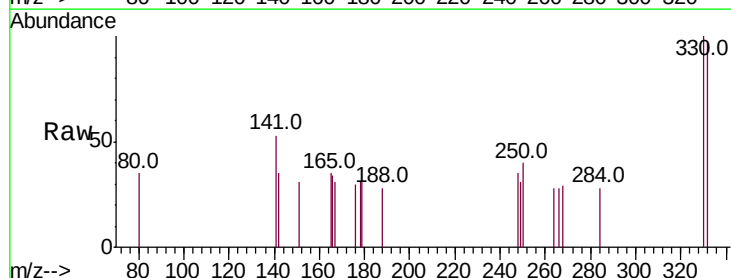
Instrument :
 BNA_E
 ClientSampled :

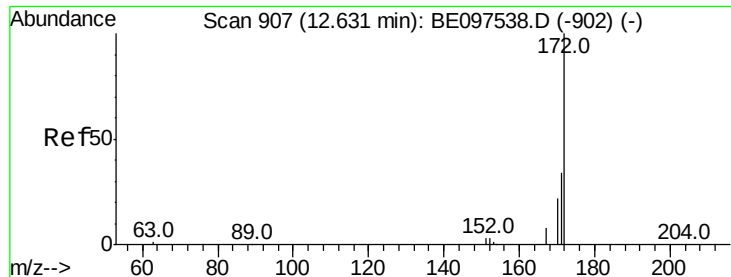
Tot Ion:164 Resp: 1670
 Ion Ratio Lower Upper
 164 100
 162 101.1 83.1 124.7
 160 49.9 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.415 ng
 RT: 15.53 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: BE097550.D
 Acq: 19 Sep 2018 21:14

Tgt Ion:330 Resp: 262
 Ion Ratio Lower Upper
 330 100
 332 98.9 152.7 229.1#
 141 32.4 33.7 50.5#

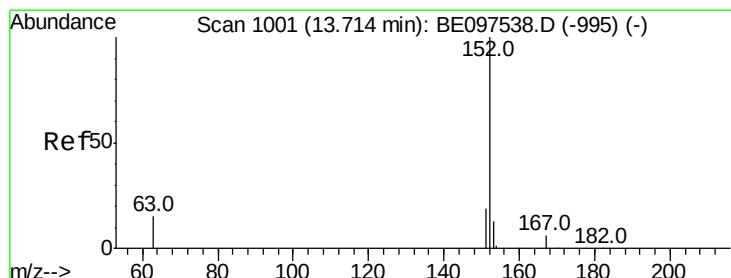
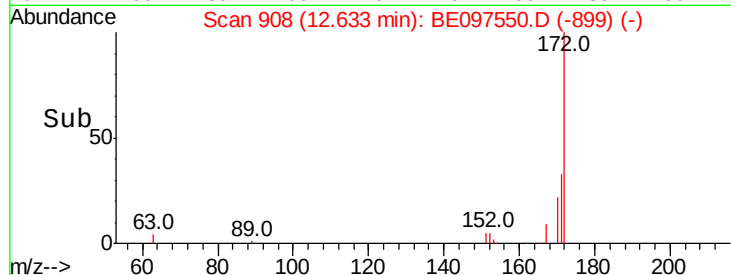
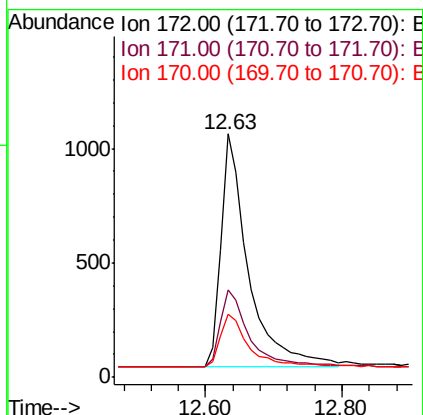
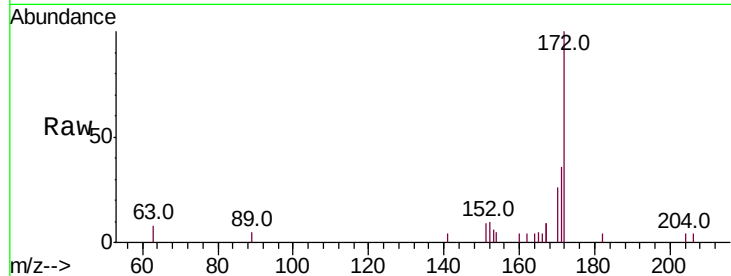




#15
2-Fluorobiphenyl
Concen: 0.493 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097550.D
Acq: 19 Sep 2018 21:14

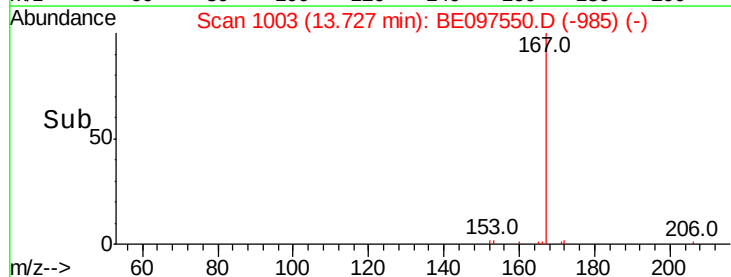
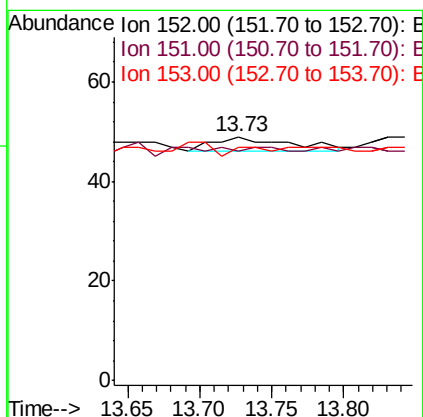
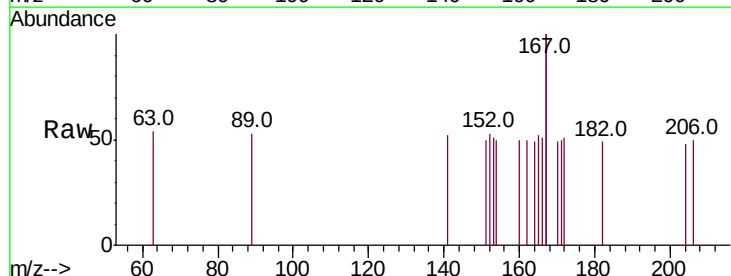
Instrument :
BNA_E
ClientSampled :

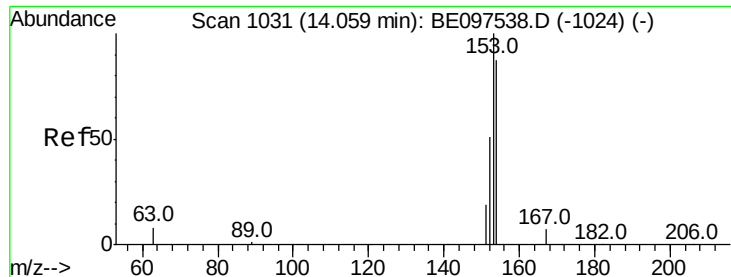
Tot Ion:172 Resp: 2909
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 25.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.002 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE097550.D
Acq: 19 Sep 2018 21:14

Tgt Ion:152 Resp: 12
Ion Ratio Lower Upper
152 100
151 0.0 15.7 23.5#
153 25.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.000 ng

RT: 14.07 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampleId :

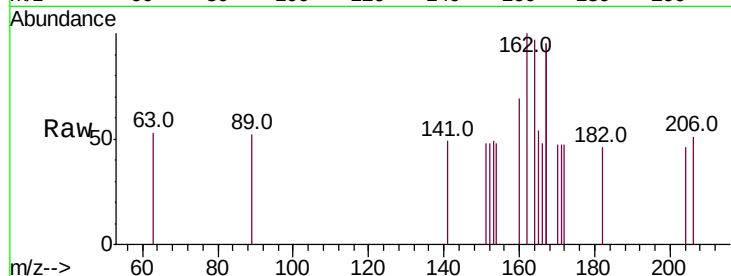
Tot Ion:154 Resp: 1

Ion Ratio Lower Upper

154 100

153 500.0 89.2 133.8#

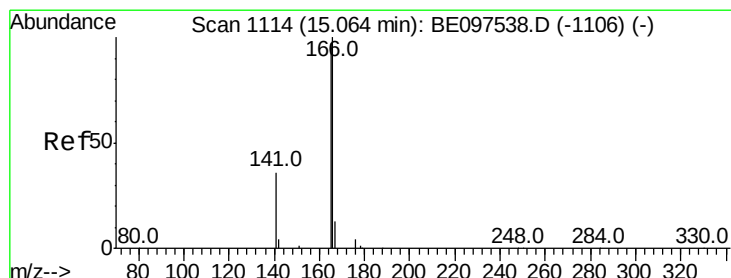
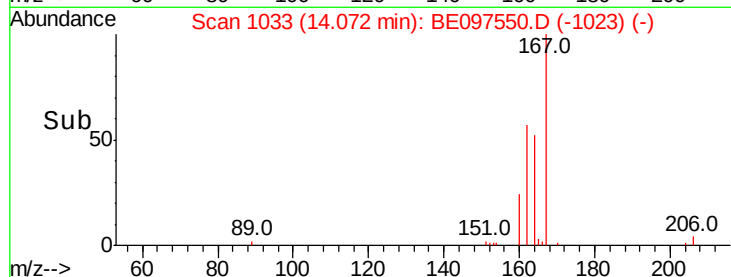
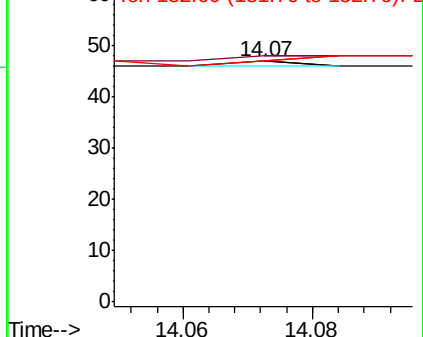
152 400.0 42.0 63.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.002 ng

RT: 15.09 min Scan# 1117

Delta R.T. 0.02 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

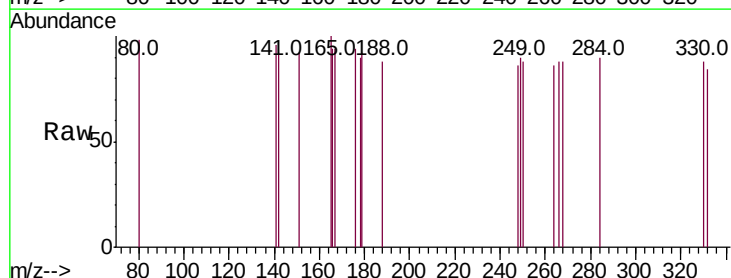
Tgt Ion:166 Resp: 11

Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.6

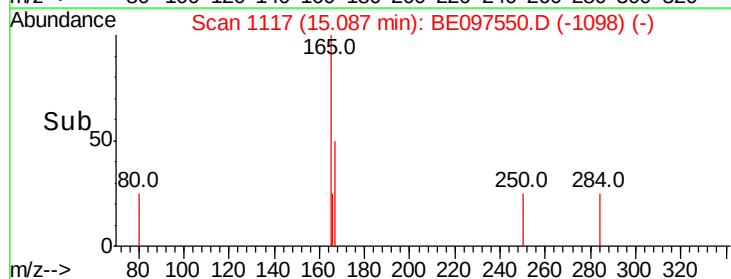
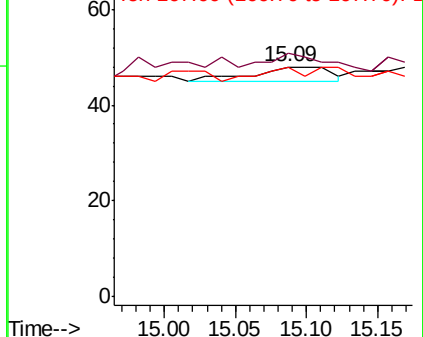
167 54.5 42.4 63.6

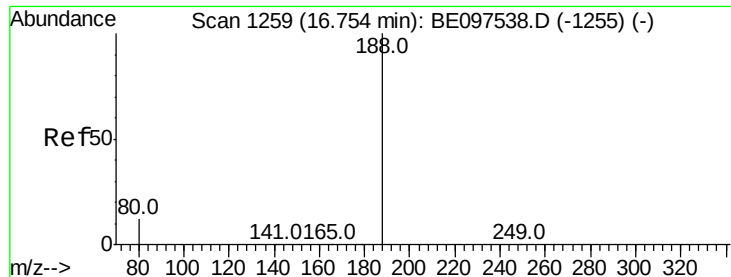


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampled :

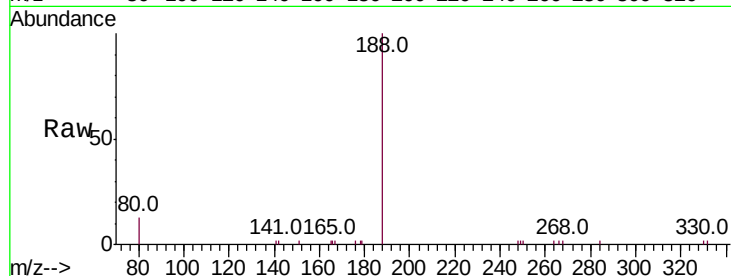
Tot Ion:188 Resp: 4680

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

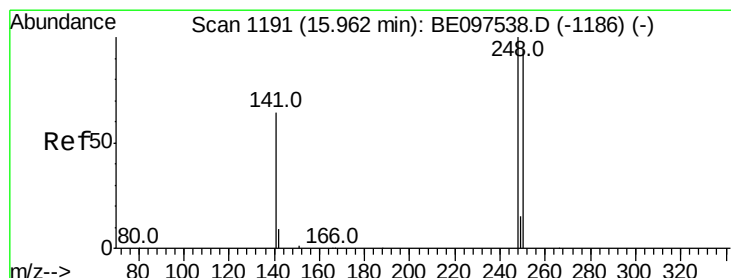
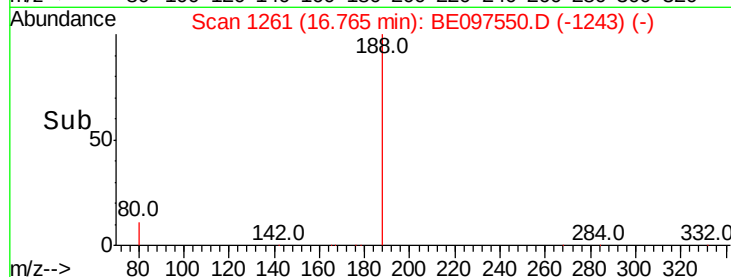
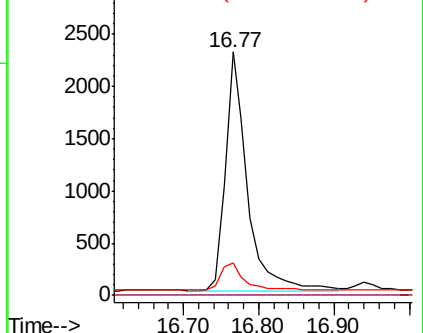
80 13.3 3.6 5.4#



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: 15.97 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

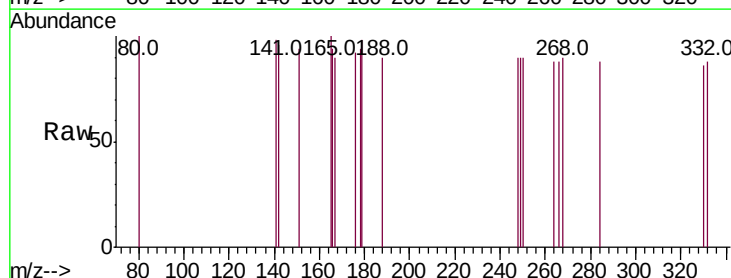
Tgt Ion:248 Resp: 2

Ion Ratio Lower Upper

248 100

250 100.0 62.7 94.1#

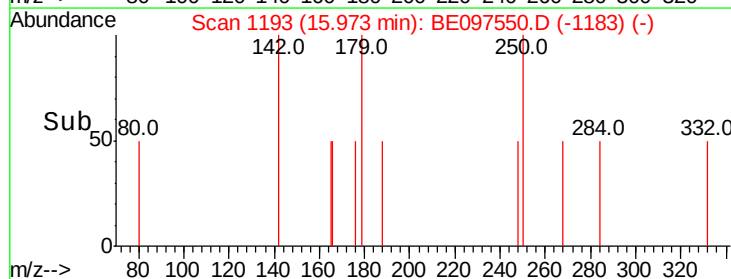
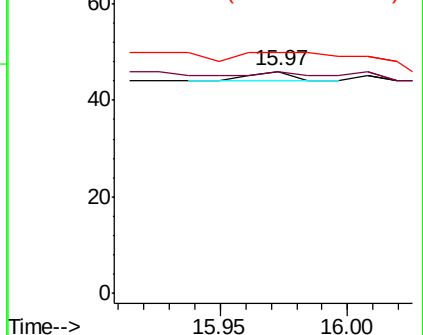
141 108.7 48.2 72.2#

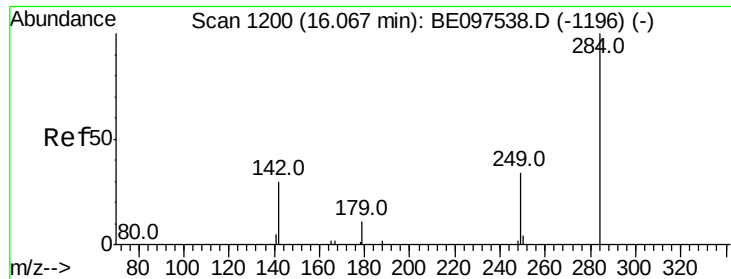


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.002 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BE097550.D

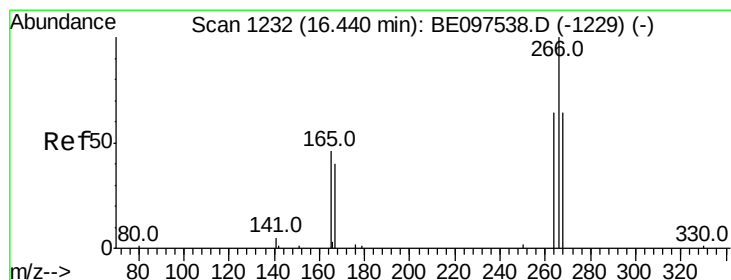
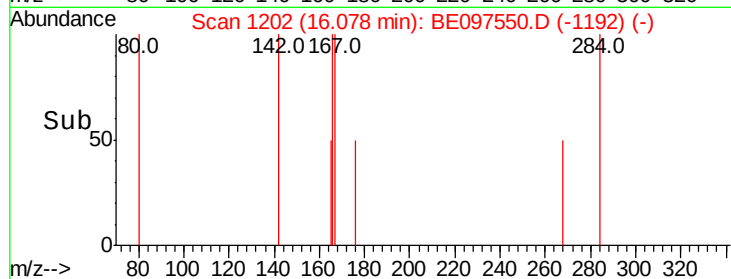
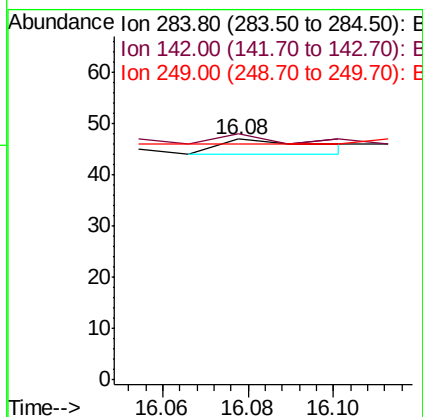
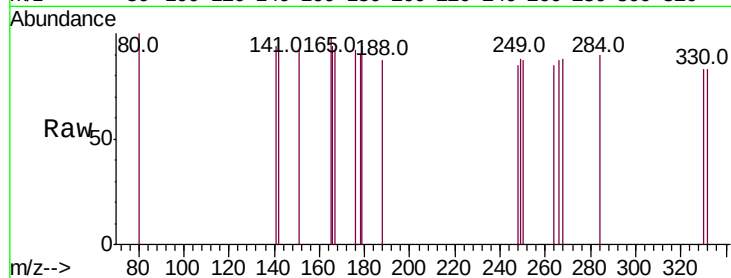
Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	284	Resp:	5
Ion	Ratio	Lower	Upper
284	100		
142	20.0	22.1	33.1#
249	0.0	34.8	52.2#



#22

Pentachlorophenol

Concen: 0.136 ng

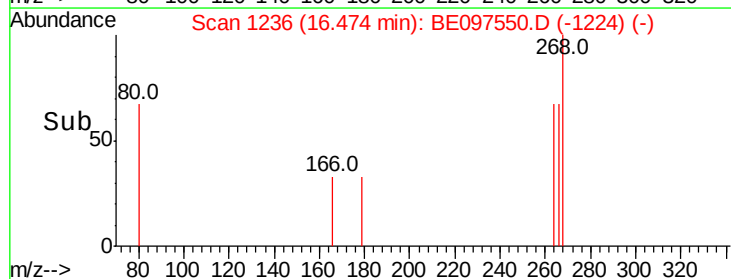
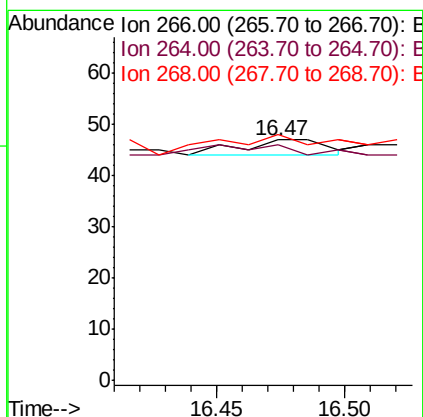
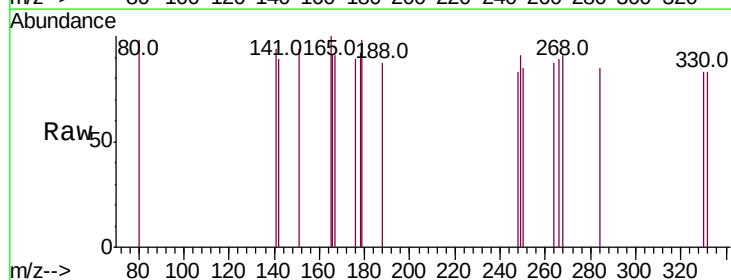
RT: 16.47 min Scan# 1236

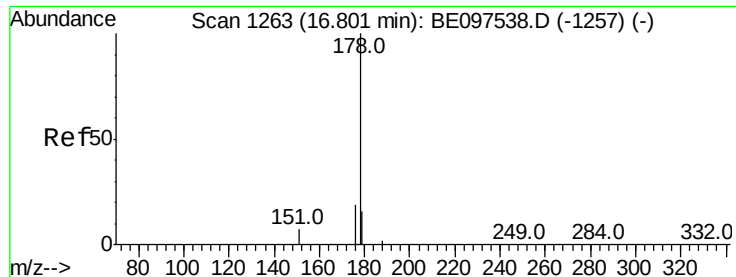
Delta R.T. 0.03 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Tgt Ion:	266	Resp:	7
Ion	Ratio	Lower	Upper
266	100		
264	97.9	72.5	108.7
268	102.1	73.8	110.6





#23

Phenanthrene

Concen: 0.003 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampleId :

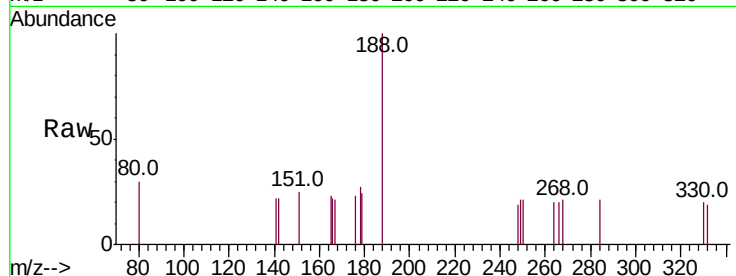
Tot Ion:178 Resp: 38

Ion Ratio Lower Upper

178 100

176 36.8 15.1 22.7#

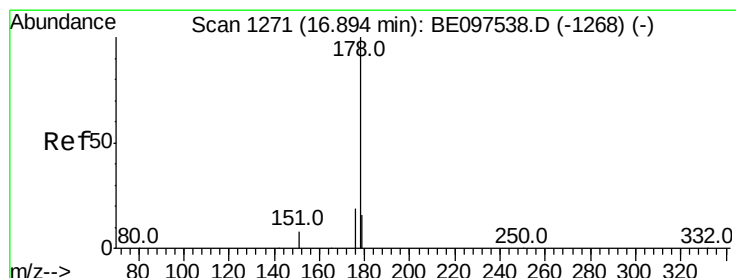
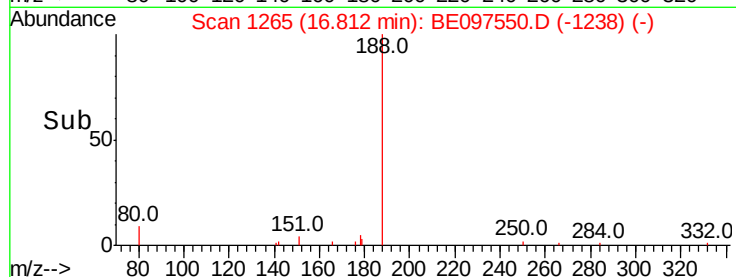
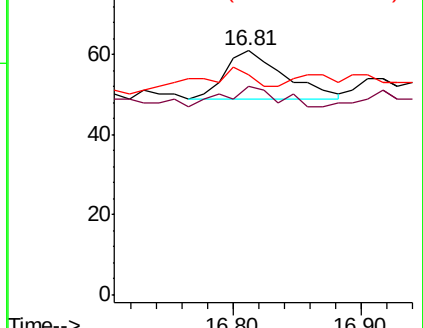
179 57.9 11.8 17.6#



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: 0.001 ng

RT: 16.91 min Scan# 1273

Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

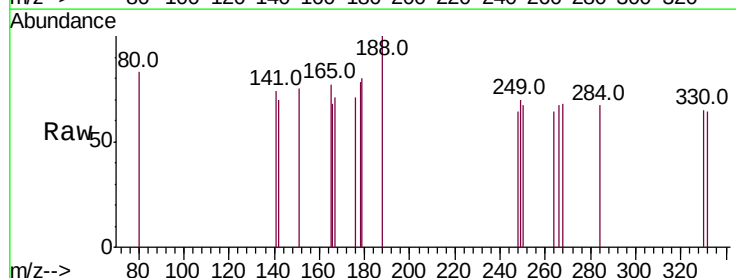
Tgt Ion:178 Resp: 8

Ion Ratio Lower Upper

178 100

176 112.5 12.8 19.2#

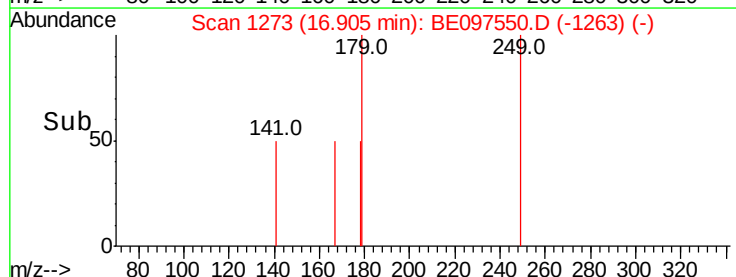
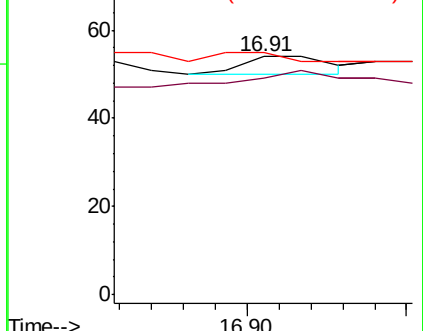
179 0.0 13.0 19.6#

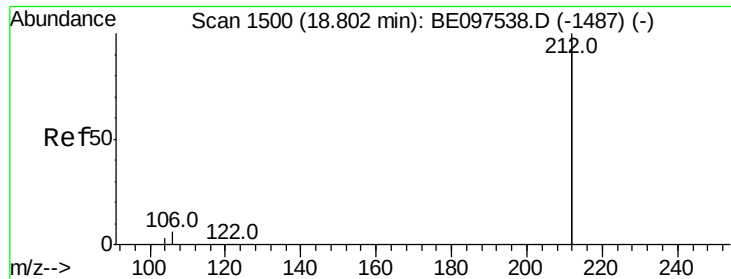


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.431 ng

RT: 18.80 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE097550.D

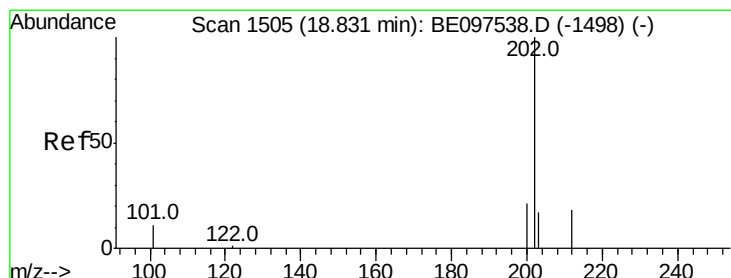
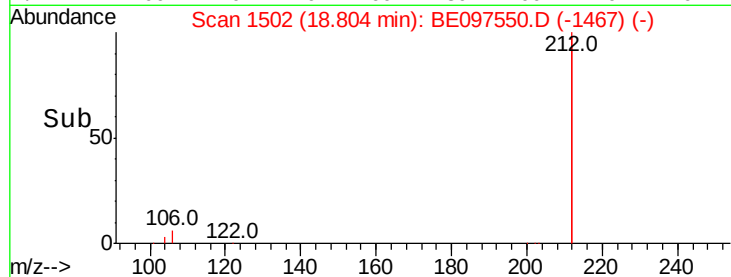
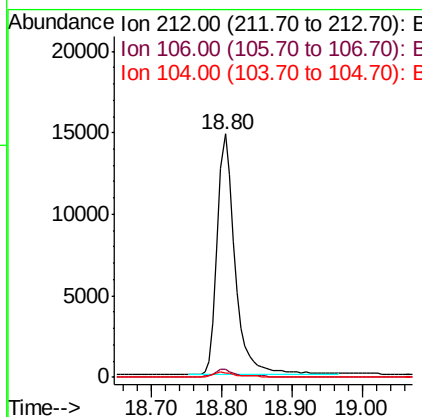
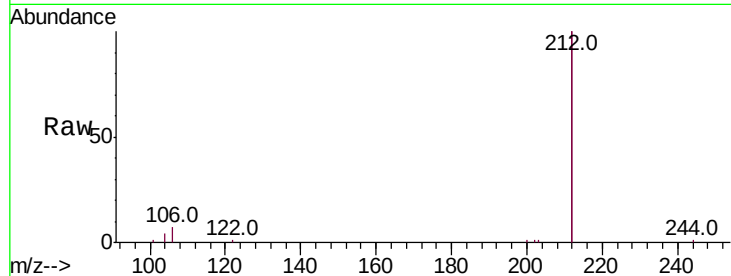
Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	25809
Ion Ratio	Lower	Upper
212 100		
106 3.2	2.8	4.2
104 1.8	1.6	2.4



#26

Fluoranthene

Concen: 0.002 ng

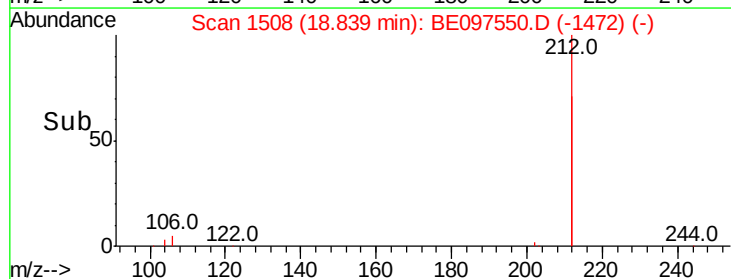
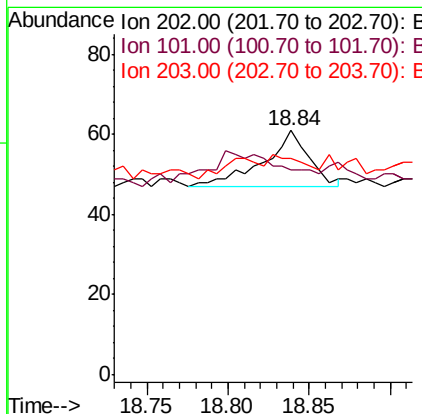
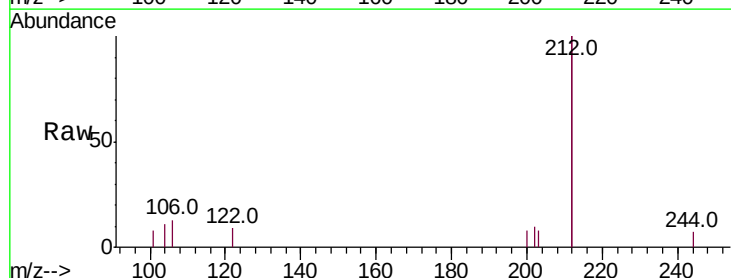
RT: 18.84 min Scan# 1508

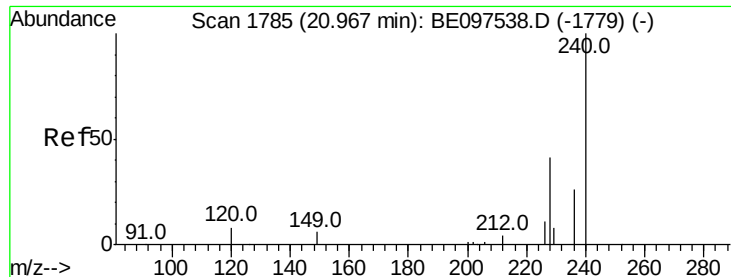
Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Tgt Ion:202	Resp:	27
Ion Ratio	Lower	Upper
202 100		
101 0.0	9.8	14.8#
203 29.6	13.7	20.5#





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampleId :

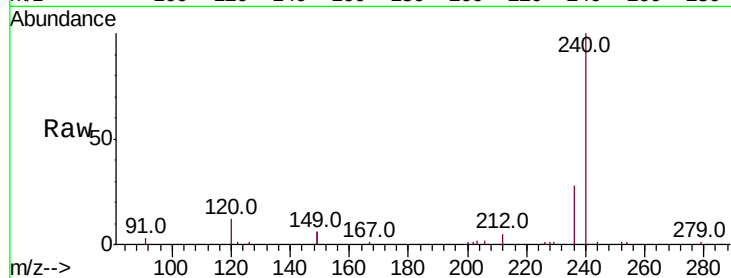
Tot Ion:240 Resp: 8160

Ion Ratio Lower Upper

240 100

120 11.6 5.5 8.3#

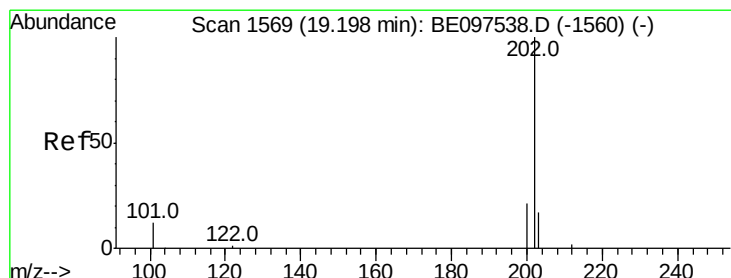
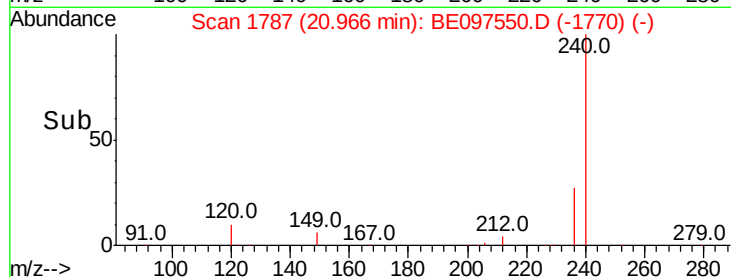
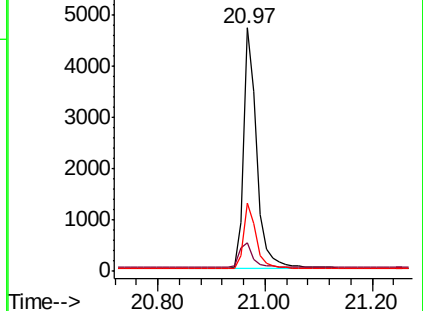
236 27.9 20.7 31.1



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: 0.001 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

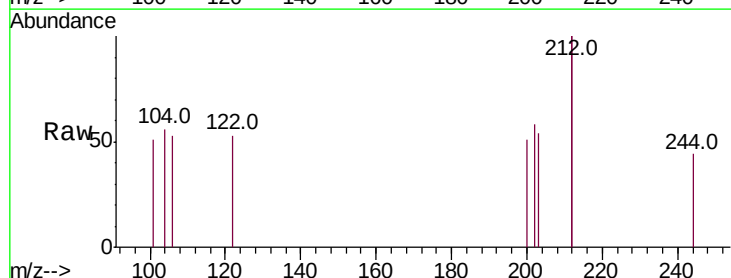
Tgt Ion:202 Resp: 21

Ion Ratio Lower Upper

202 100

200 38.1 16.6 25.0#

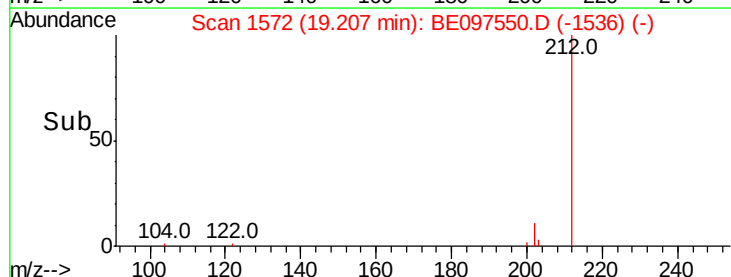
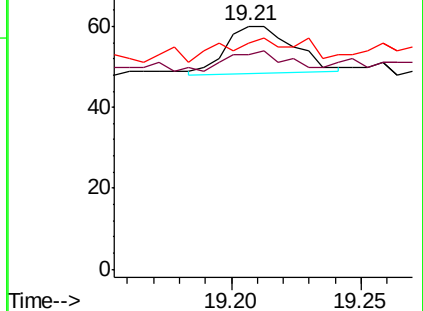
203 61.9 13.8 20.8#

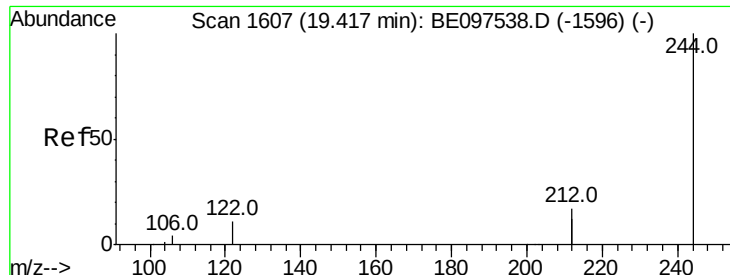


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.407 ng

RT: 19.41 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampleId :

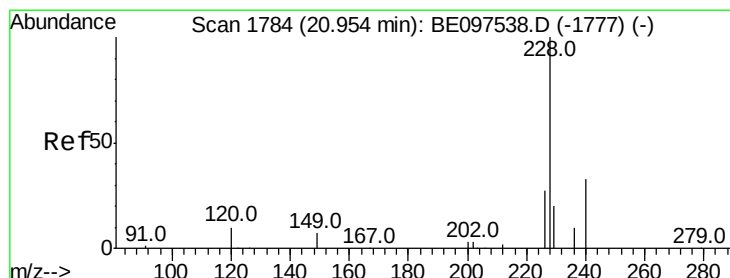
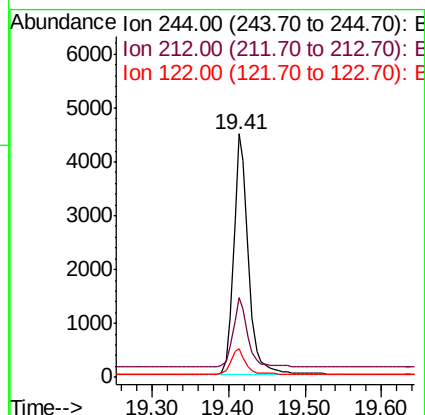
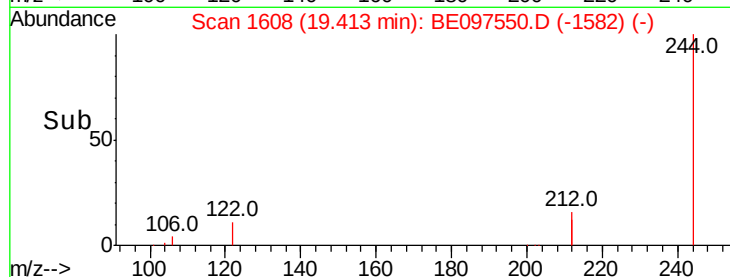
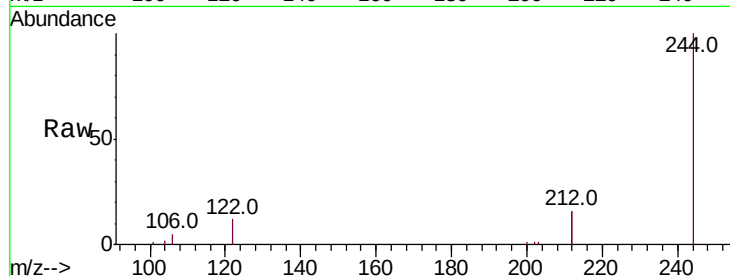
Tot Ion:244 Resp: 6081

Ion Ratio Lower Upper

244 100

212 32.6 25.4 38.0

122 11.7 8.1 12.1



#30

Benzo(a)anthracene

Concen: 0.002 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

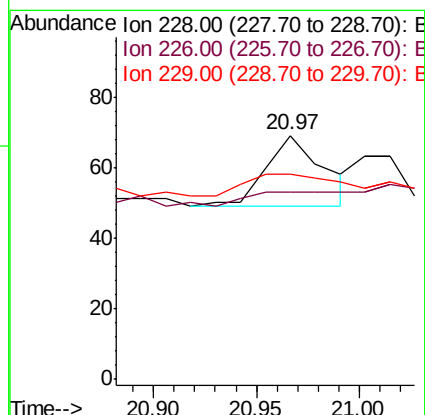
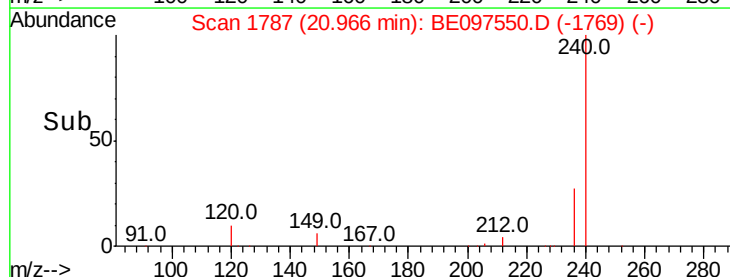
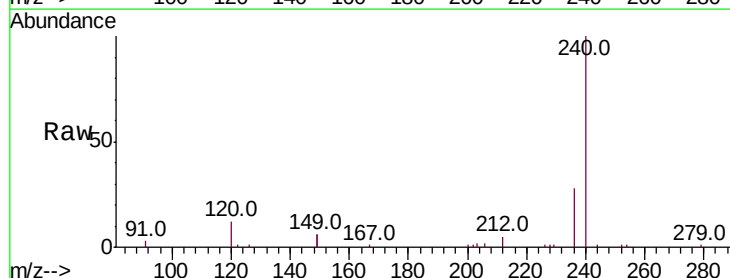
Tgt Ion:228 Resp: 39

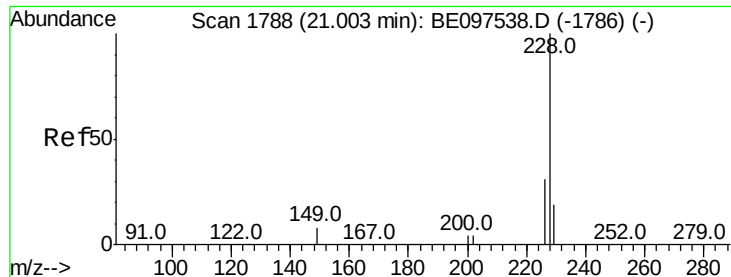
Ion Ratio Lower Upper

228 100

226 76.8 24.0 36.0#

229 84.1 16.0 24.0#





#31

Chrysene

Concen: 0.002 ng

RT: 20.97 min Scan# 1787

Delta R.T. -0.04 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

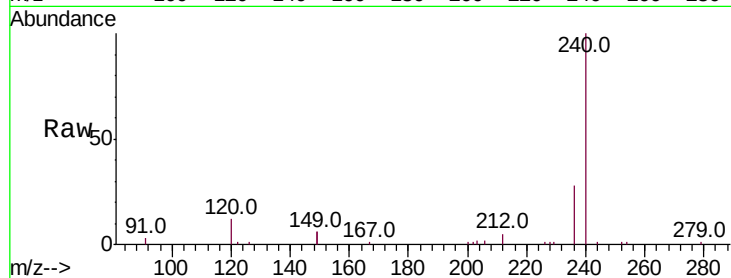
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 35

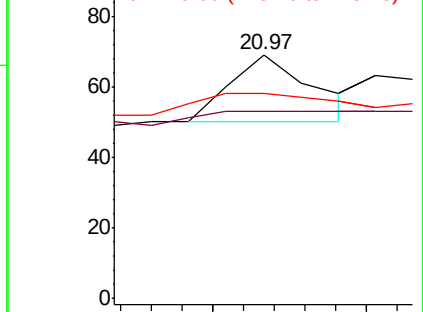
Ion	Ratio	Lower	Upper
228	100		
226	76.8	24.0	36.0#
229	84.1	16.0	24.0#



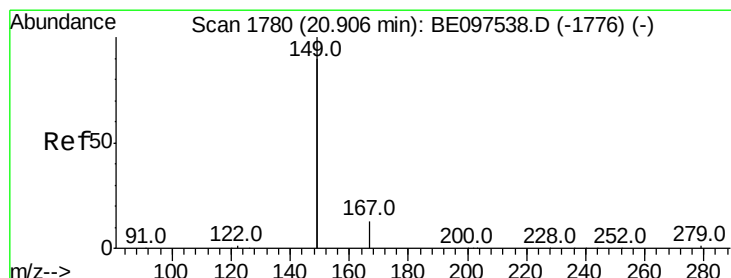
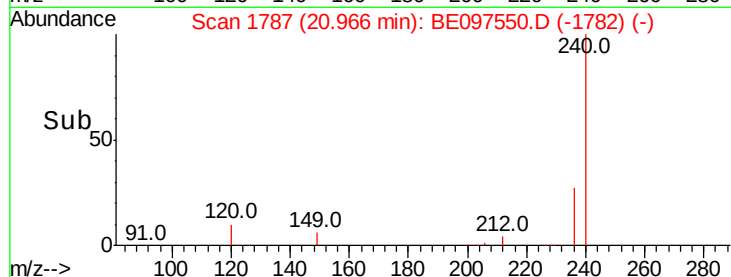
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.046 ng

RT: 20.91 min Scan# 1782

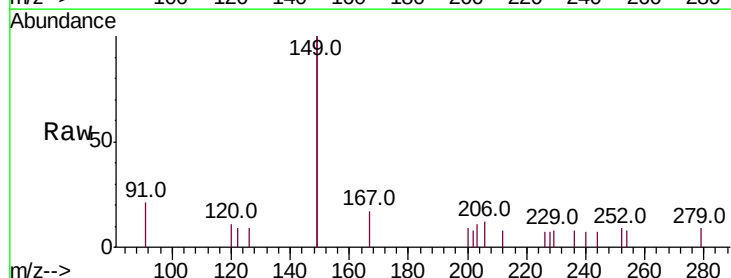
Delta R.T. -0.00 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Tgt Ion:149 Resp: 1237

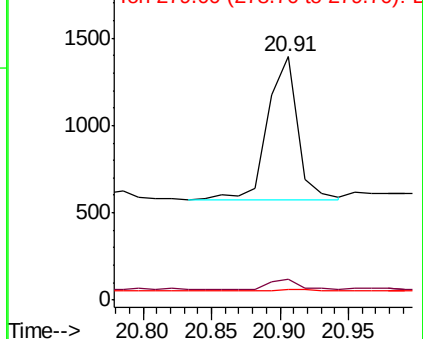
Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.4	8.0
279	1.4	0.7	1.1#



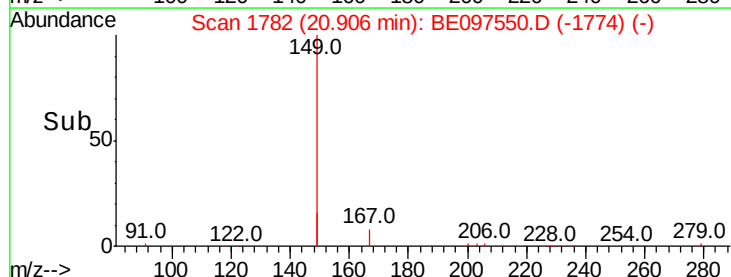
Abundance Ion 149.00 (148.70 to 149.70): E

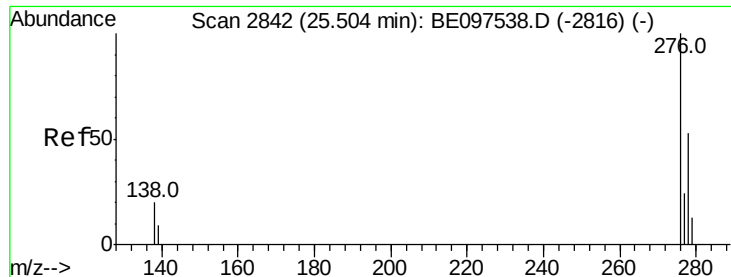
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.000 ng

RT: 25.51 min Scan# 2846

Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampleId :

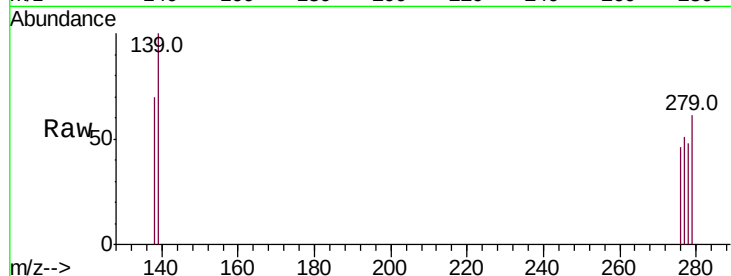
Tot Ion:276 Resp: 1

Ion Ratio Lower Upper

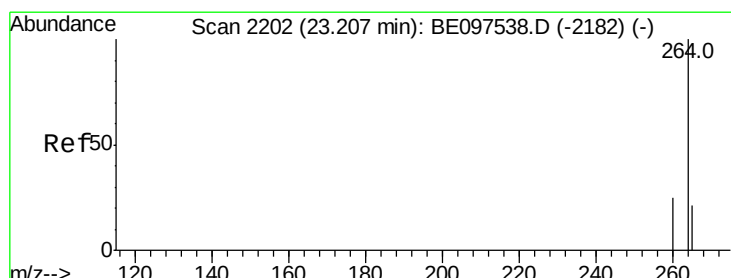
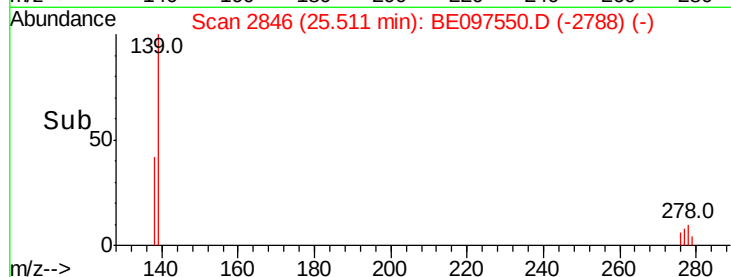
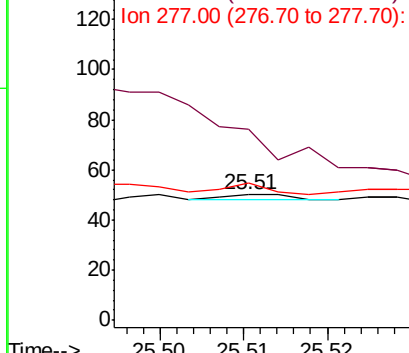
276 100

138 0.0 22.5 33.7#

277 200.0 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# 2204

Delta R.T. -0.00 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

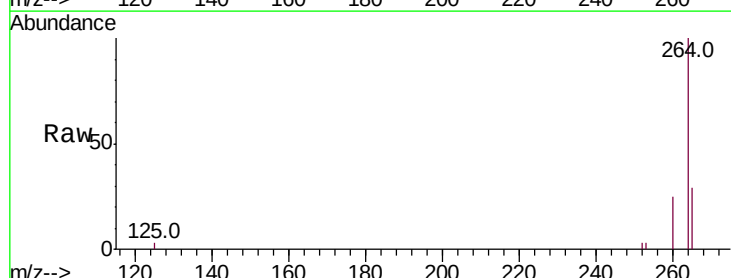
Tgt Ion:264 Resp: 9012

Ion Ratio Lower Upper

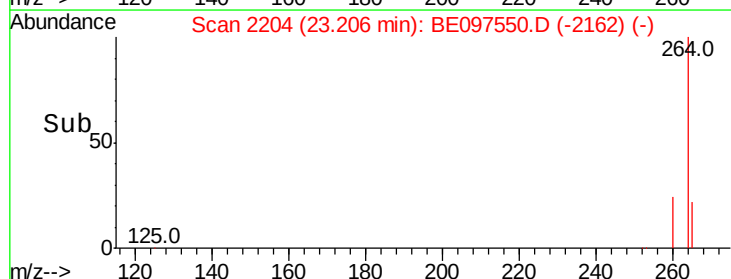
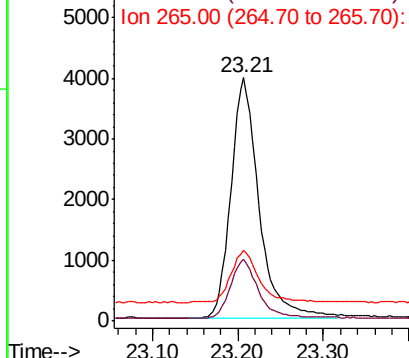
264 100

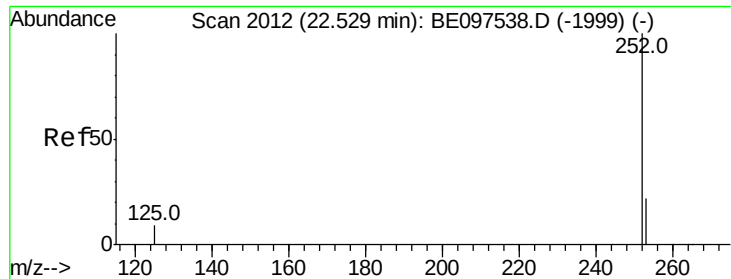
260 25.2 20.5 30.7

265 29.3 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

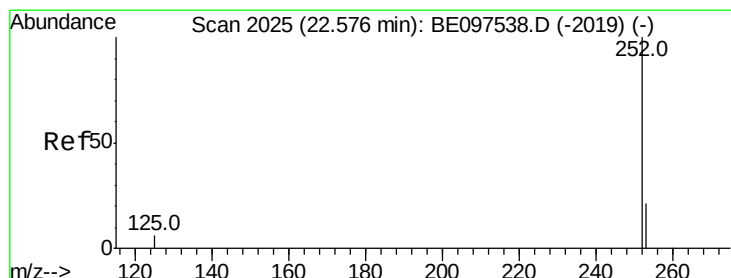
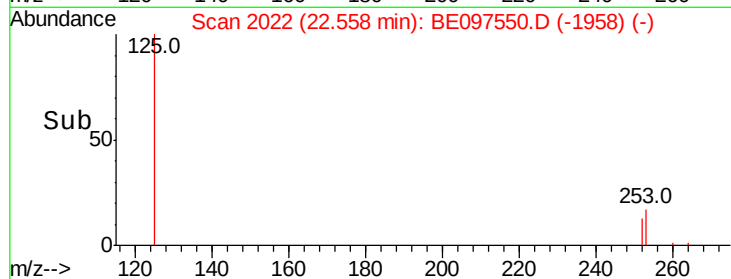
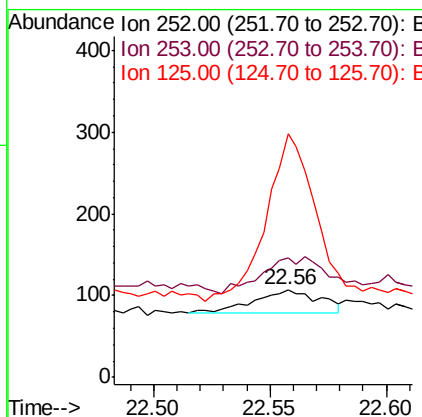
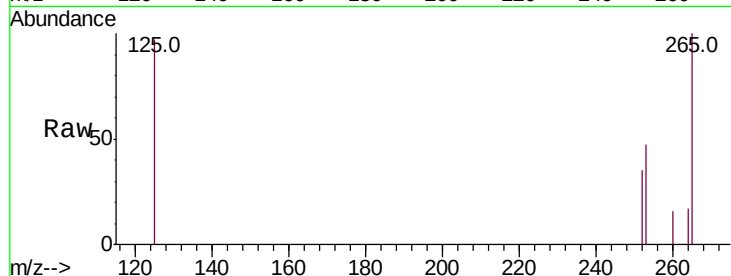




#35
Benzo(b)fluoranthene
Concen: 0.003 ng
RT: 22.56 min Scan# 2022
Delta R.T. 0.03 min
Lab File: BE097550.D
Acq: 19 Sep 2018 21:14

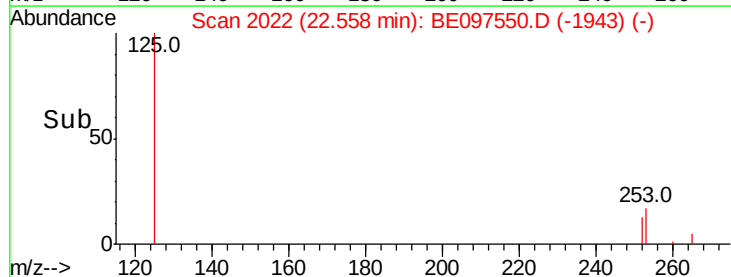
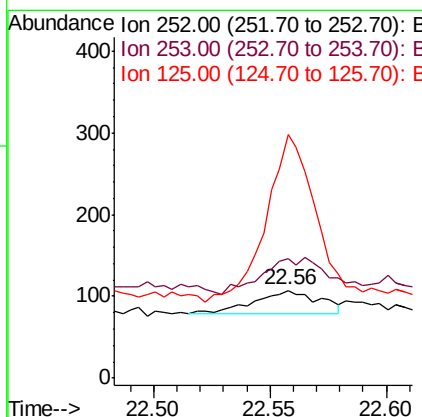
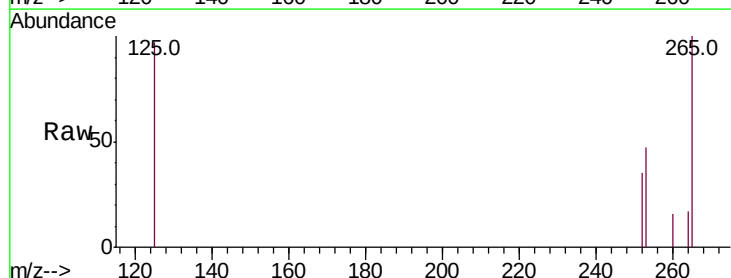
Instrument :
BNA_E
ClientSampleId :

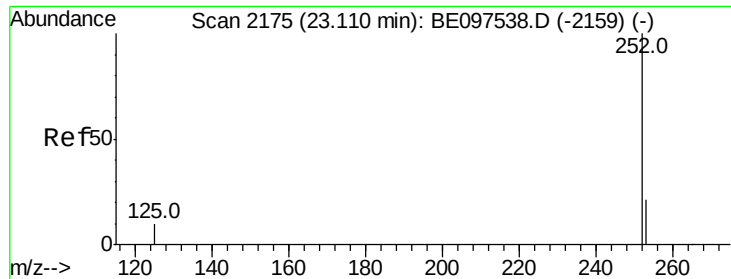
Tot Ion:252 Resp: 58
Ion Ratio Lower Upper
252 100
253 136.4 20.0 30.0#
125 278.5 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.002 ng
RT: 22.56 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BE097550.D
Acq: 19 Sep 2018 21:14

Tgt Ion:252 Resp: 58
Ion Ratio Lower Upper
252 100
253 136.4 16.0 24.0#
125 278.5 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.021 ng

RT: 23.10 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampleId :

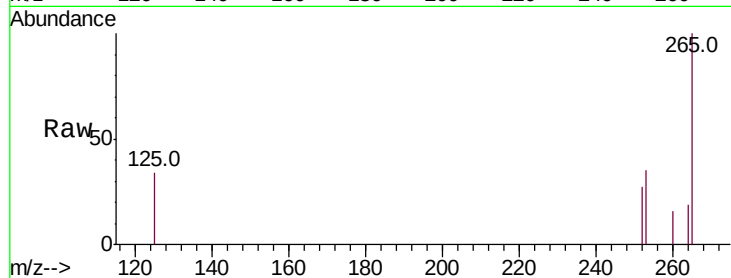
Tot Ion:252 Resp: 4

Ion Ratio Lower Upper

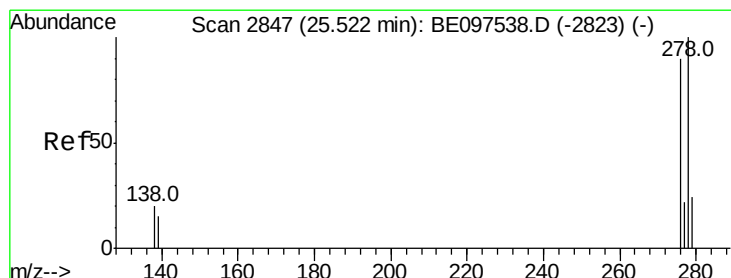
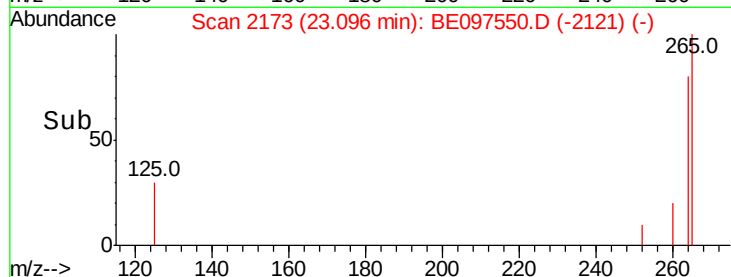
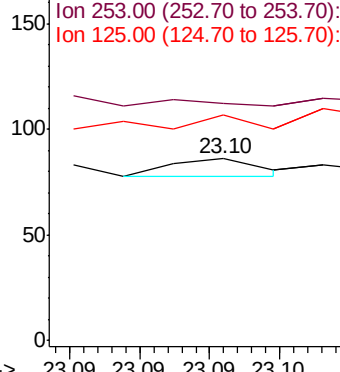
252 100

253 130.2 16.0 24.0#

125 124.4 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



#38

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

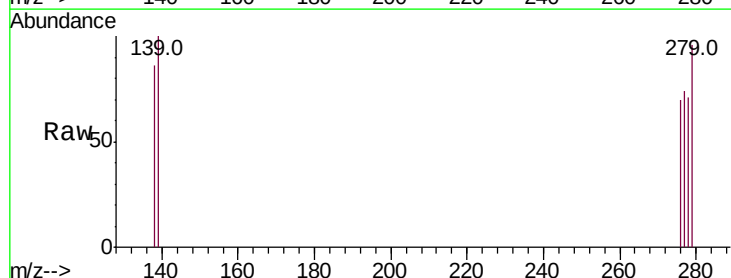
Tgt Ion:278 Resp: 1

Ion Ratio Lower Upper

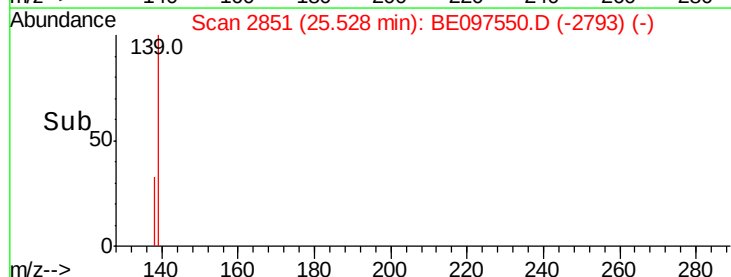
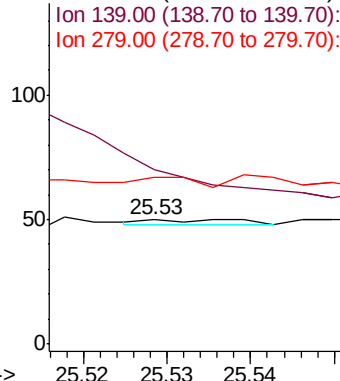
278 100

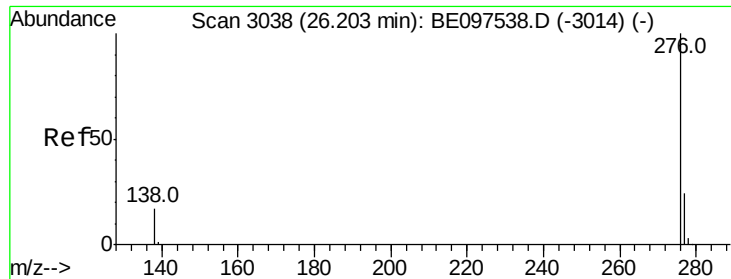
139 140.0 16.0 24.0#

279 134.0 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





#39

Benzo(a,h,i)perylene

Concen: 0.000 ng

RT: 26.21 min Scan# 3041

Delta R.T. 0.00 min

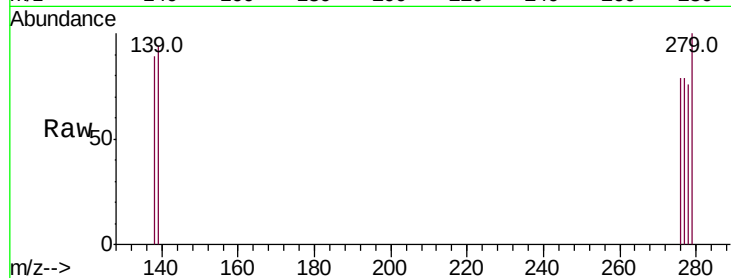
Lab File: BE097550.D

Acq: 19 Sep 2018 21:14

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 1

Ion Ratio Lower Upper

276 100

277 100.0 16.0 24.0#

138 112.0 20.0 30.0#

