

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
 Data File : BE097081.D
 Acq On : 24 Jul 2018 20:56
 Operator : SJ/JU
 Sample : J4073-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE123D2-071818

Quant Time: Jul 25 00:38:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 24 13:24:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1304	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6036	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3634	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	10903	0.40	ng	0.00
27) Chrysene-d12	20.98	240	11465	0.40	ng	0.00
34) Perylene-d12	23.21	264	10833	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	790	0.22	ng	0.00
5) Phenol-d6	6.59	99	699	0.13	ng	0.00
8) Nitrobenzene-d5	8.52	82	2516	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4059	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	687	0.57	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	6851	0.55	ng	0.00
25) Fluoranthene-d10	18.81	212	62769	0.58	ng	0.00
29) Terphenyl-d14	19.43	244	15838	0.72	ng	0.00

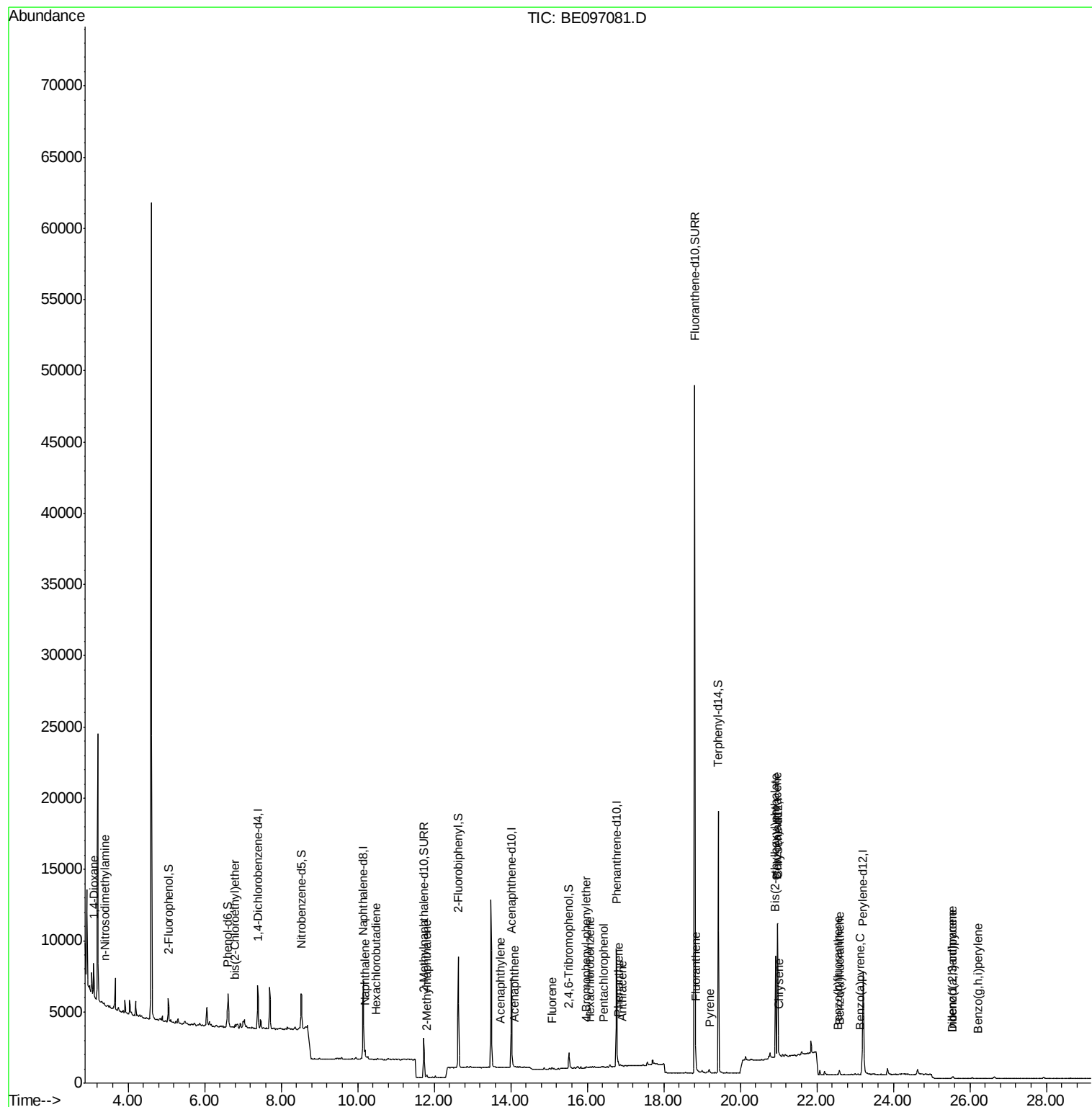
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	1135	0.548	ng	93
3) n-Nitrosodimethylamine	3.39	42	13	0.006	ng	# 1
6) bis(2-Chloroethyl)ether	6.79	93	14	0.003	ng	# 30
9) Naphthalene	10.20	128	1026	0.019	ng	# 85
10) Hexachlorobutadiene	10.48	225	2	0.001	ng	# 1
12) 2-Methylnaphthalene	11.81	142	141	0.015	ng	# 74
16) Acenaphthylene	13.74	152	15	0.001	ng	# 43
17) Acenaphthene	14.08	154	30	0.003	ng	# 87
18) Fluorene	15.07	166	71	0.006	ng	# 83
20) 4-Bromophenyl-phenylether	15.98	248	8	0.002	ng	# 38
21) Hexachlorobenzene	16.08	284	8	0.001	ng	# 5
22) Pentachlorophenol	16.43	266	14	0.045	ng	97
23) Phenanthrene	16.81	178	380	0.015	ng	# 81
24) Anthracene	16.90	178	25	0.001	ng	# 62
26) Fluoranthene	18.84	202	92	0.003	ng	# 36
28) Pyrene	19.21	202	84	0.003	ng	# 88
30) Benzo(a)anthracene	20.97	228	65	0.002	ng	# 1
31) Chrysene	21.02	228	40	0.001	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.92	149	8153	0.273	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.53	276	12	0.000	ng	# 64
35) Benzo(b)fluoranthene	22.54	252	59	0.002	ng	# 1
36) Benzo(k)fluoranthene	22.59	252	82	0.003	ng	# 1
37) Benzo(a)pyrene	23.12	252	14	0.001	ng	# 1
38) Dibenzo(a,h)anthracene	25.53	278	4	0.000	ng	# 1
39) Benzo(g,h,i)perylene	26.22	276	19	0.001	ng	# 1

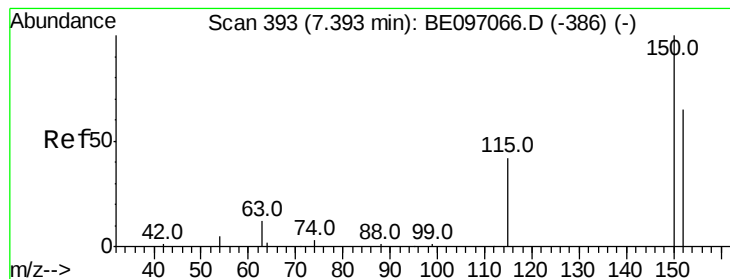
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

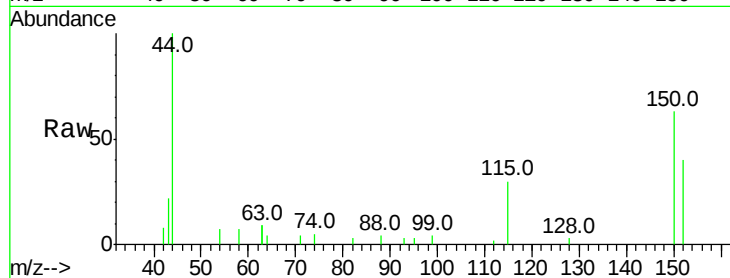
Tot Ion:152 Resp: 1304

Ion Ratio Lower Upper

152 100

150 157.2 117.2 175.8

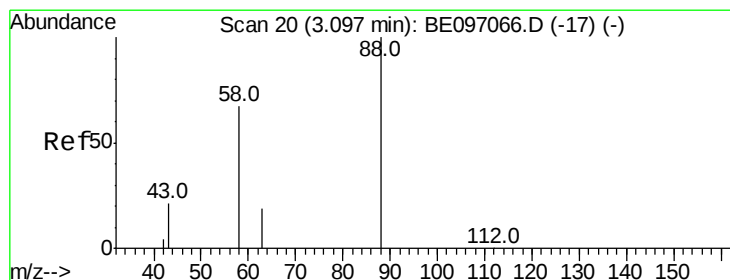
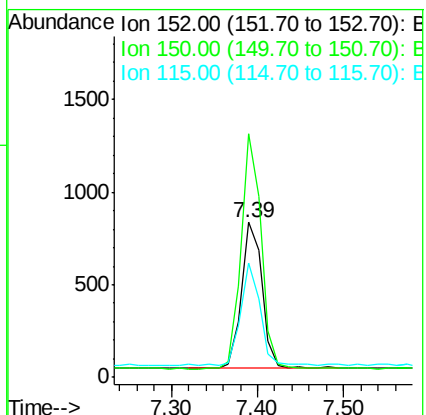
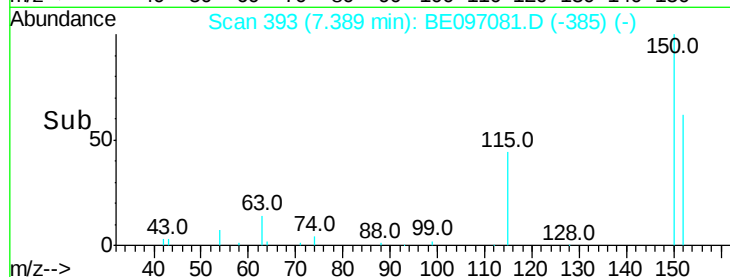
115 74.2 57.0 85.6



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: 0.548 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

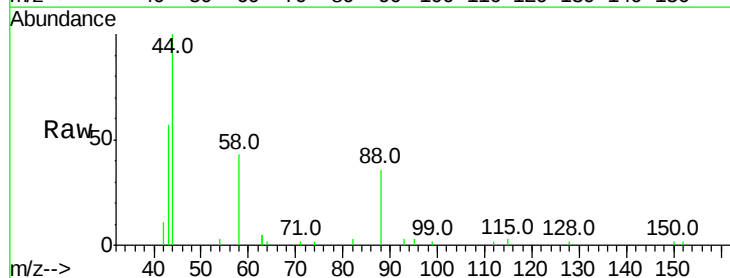
Tgt Ion: 88 Resp: 1135

Ion Ratio Lower Upper

88 100

58 87.0 63.2 94.8

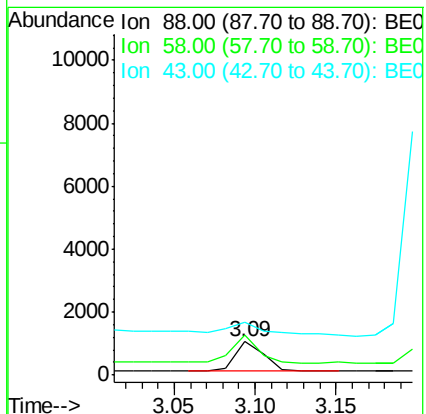
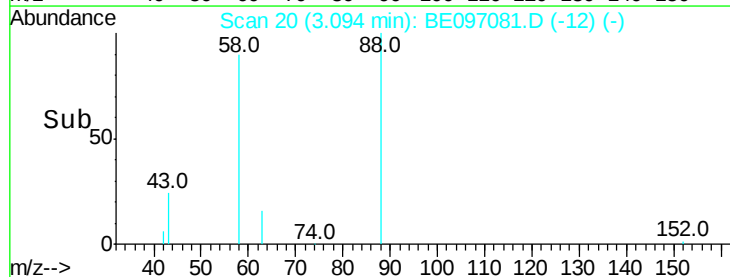
43 54.1 41.2 61.8



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: 0.006 ng

RT: 3.39 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

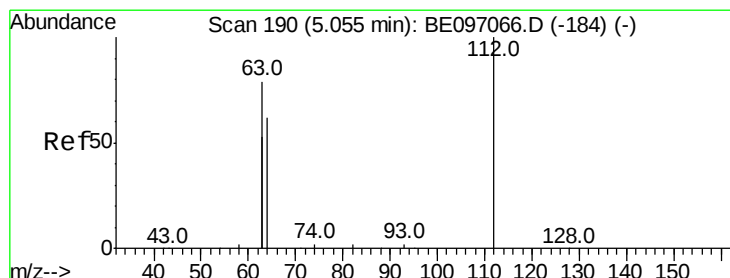
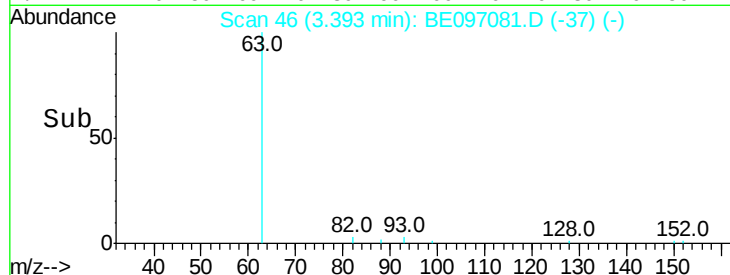
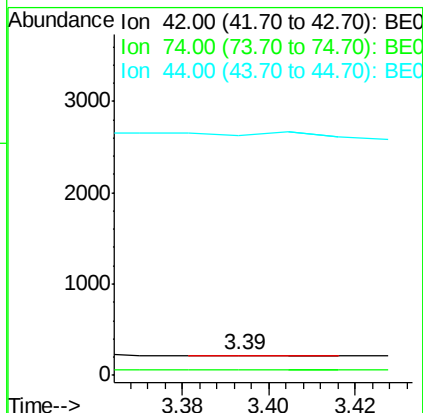
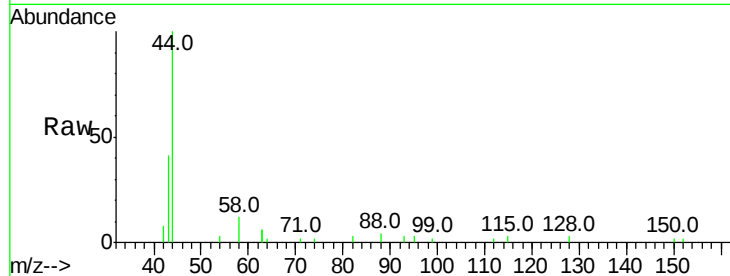
BNA_E

ClientSampleId :

RE123D2-071818

Tot Ion: 42 Resp: 13

Ion	Ratio	Lower	Upper
42	100		
74	0.0	96.0	144.0#
44	3292.3	12.0	18.0#



#4

2-Fluorophenol

Concen: 0.216 ng

RT: 5.05 min Scan# 190

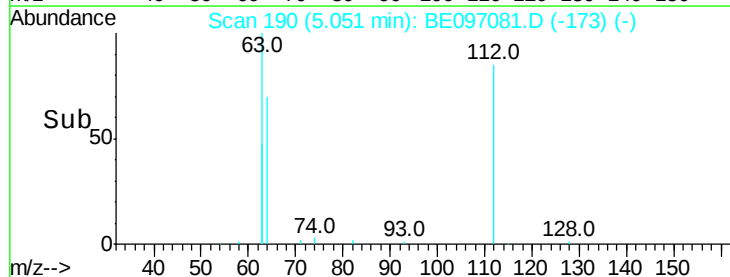
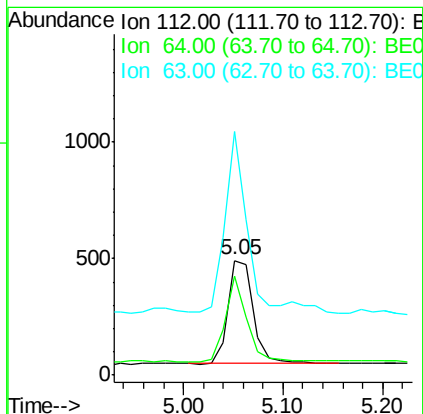
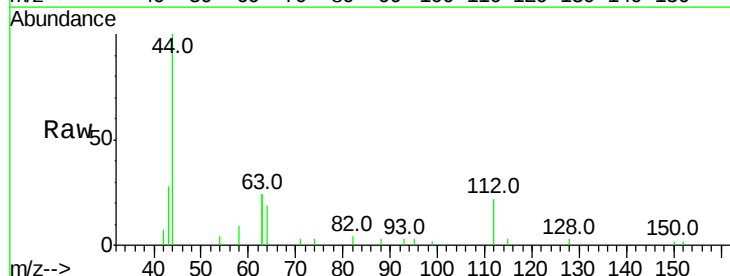
Delta R.T. -0.00 min

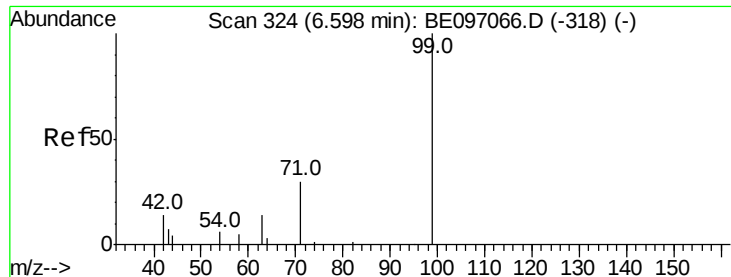
Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Tgt Ion: 112 Resp: 790

Ion	Ratio	Lower	Upper
112	100		
64	69.2	60.1	90.1
63	145.1	116.8	175.2





#5

Phenol-d6

Concen: 0.130 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

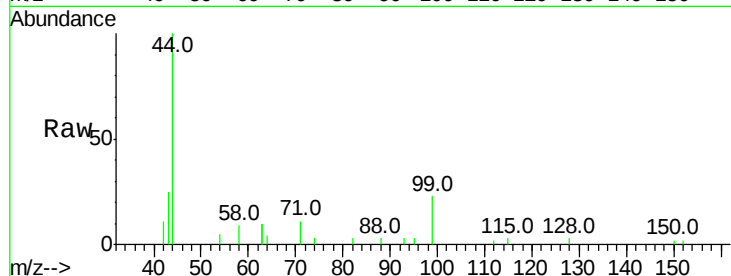
Tot Ion: 99 Resp: 699

Ion Ratio Lower Upper

99 100

42 41.1 20.2 30.2#

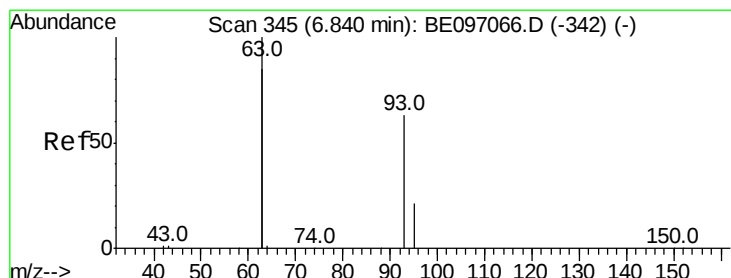
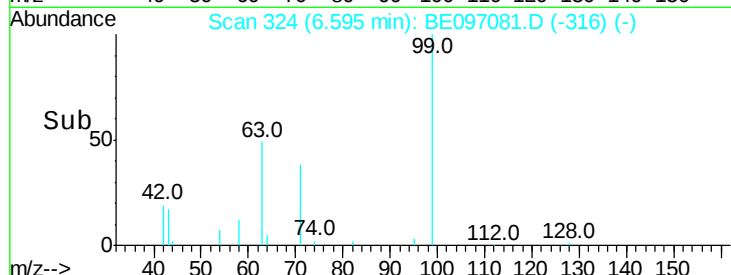
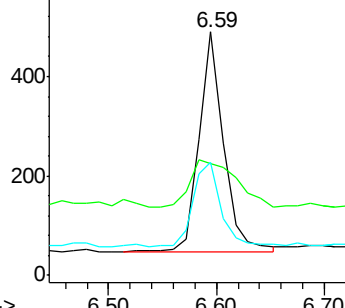
71 44.3 28.4 42.6#



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: 6.79 min Scan# 341

Delta R.T. -0.05 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

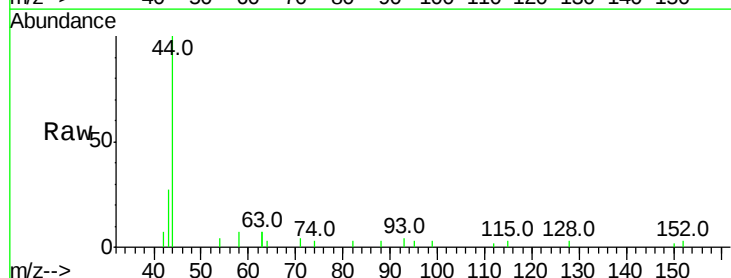
Tgt Ion: 93 Resp: 14

Ion Ratio Lower Upper

93 100

63 200.0 275.3 412.9#

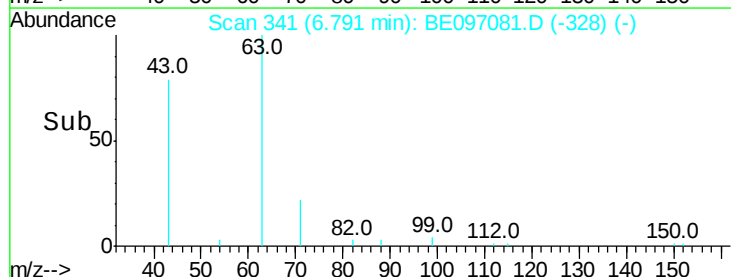
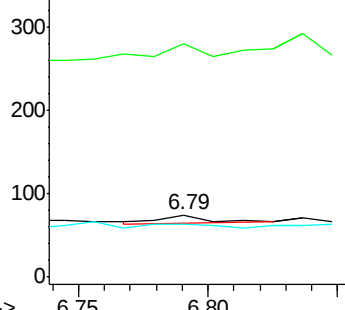
95 85.7 25.2 37.8#

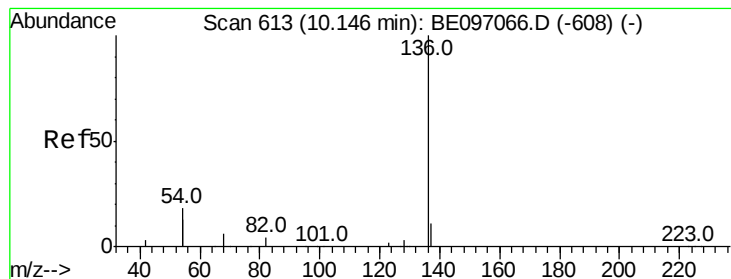


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. 0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

Tot Ion:136 Resp: 6036

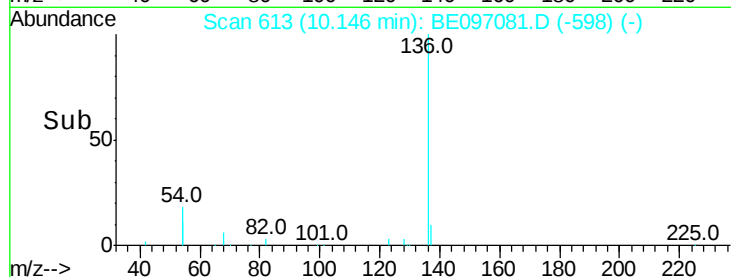
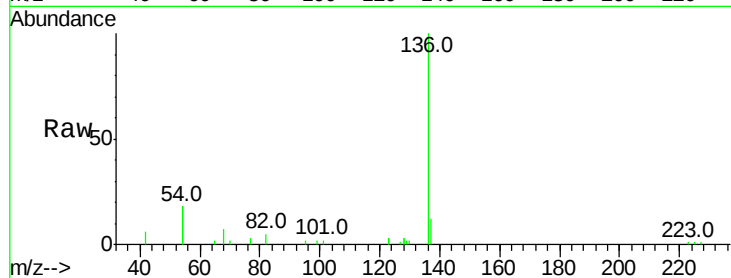
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 36.4 29.1 43.7

68 7.4 6.2 9.2

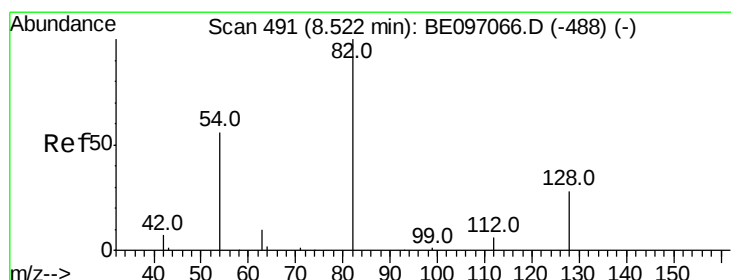
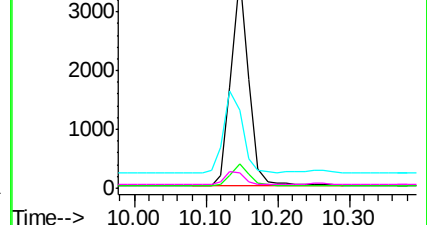


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.480 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

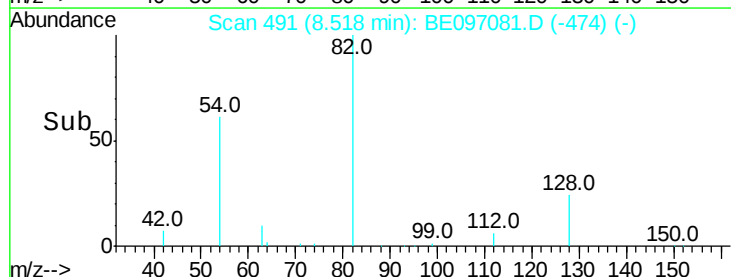
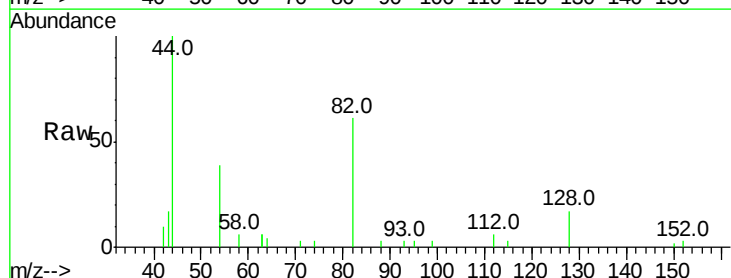
Tgt Ion: 82 Resp: 2516

Ion Ratio Lower Upper

82 100

128 27.5 24.0 36.0

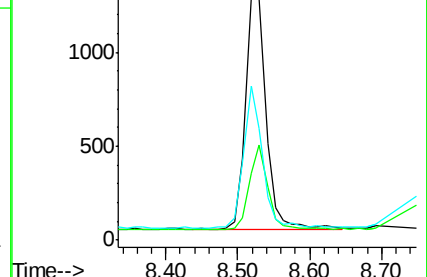
54 63.4 40.0 60.0#



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: 0.019 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

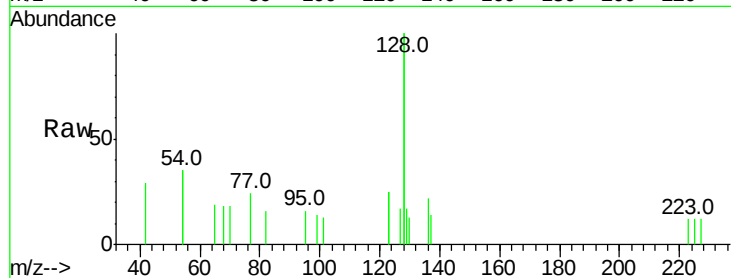
Tot Ion:128 Resp: 1026

Ion Ratio Lower Upper

128 100

129 8.4 2.6 3.8#

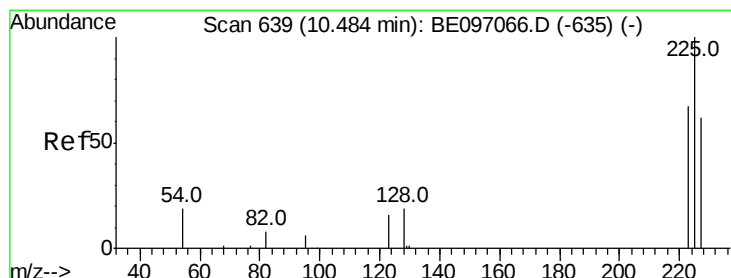
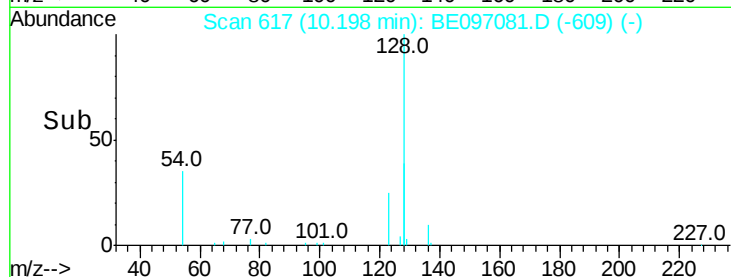
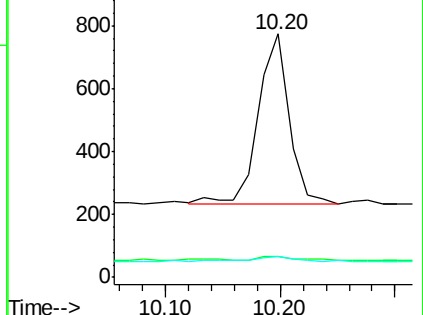
127 8.5 2.8 4.2#



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: 0.001 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

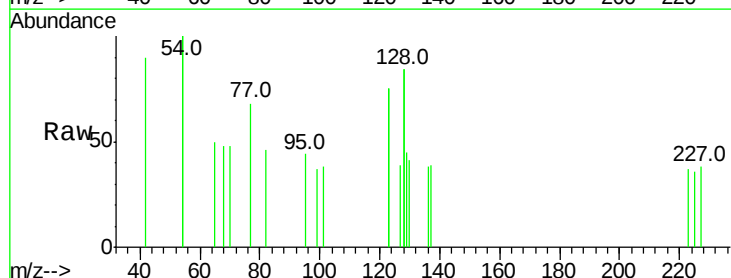
Tgt Ion:225 Resp: 2

Ion Ratio Lower Upper

225 100

223 200.0 53.0 79.6#

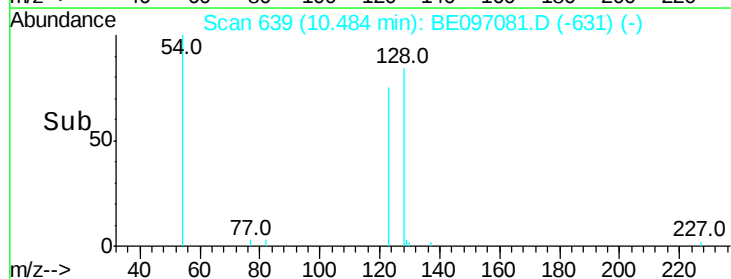
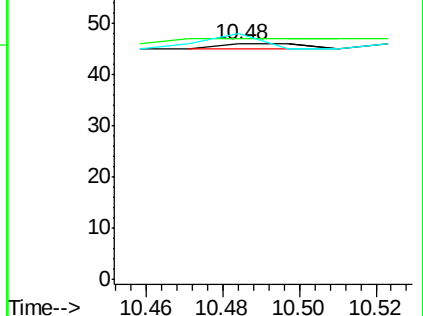
227 150.0 51.4 77.2#

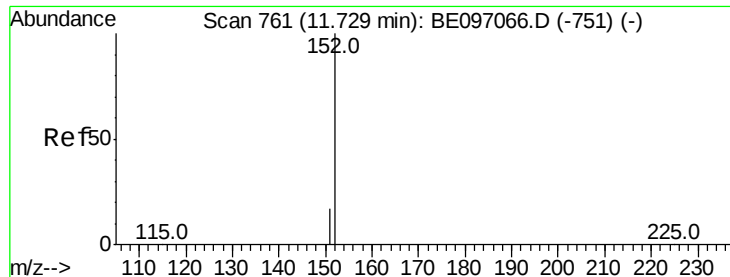


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

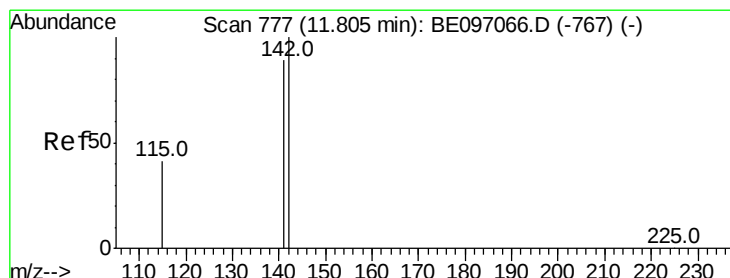
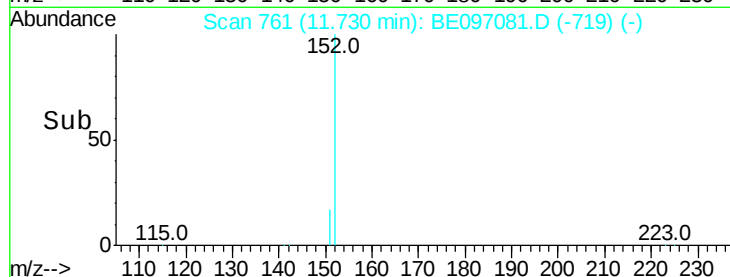
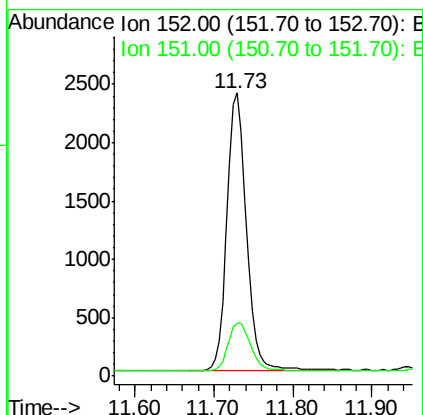
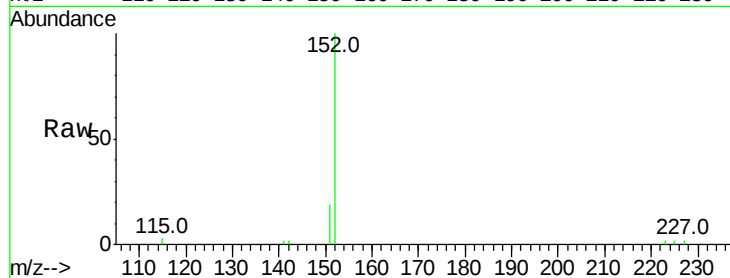




#11
2-Methylnaphthalene-d10
Concen: 0.449 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

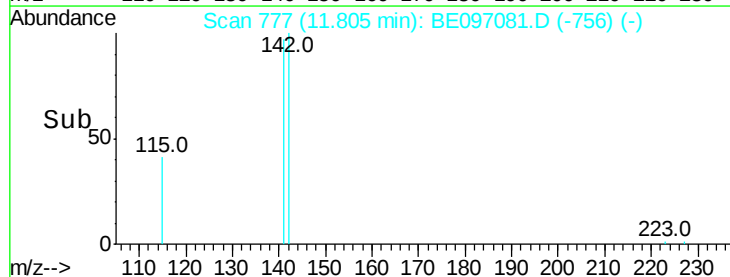
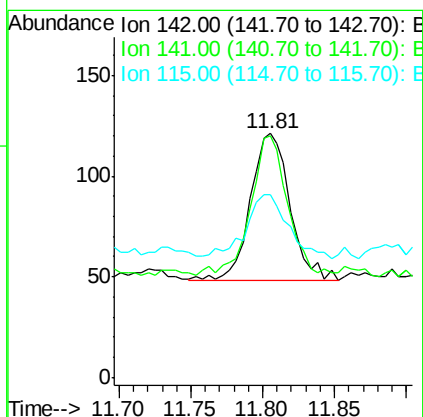
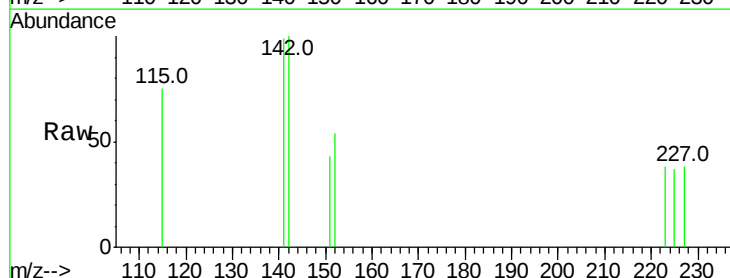
Instrument :
BNA_E
ClientSampleId :
RE123D2-071818

Tot Ion:152 Resp: 4059
Ion Ratio Lower Upper
152 100
151 19.6 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.015 ng
RT: 11.81 min Scan# 777
Delta R.T. 0.00 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

Tgt Ion:142 Resp: 141
Ion Ratio Lower Upper
142 100
141 99.2 70.4 105.6
115 75.2 31.7 47.5#

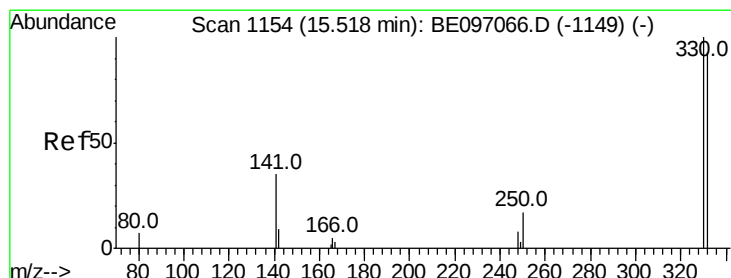
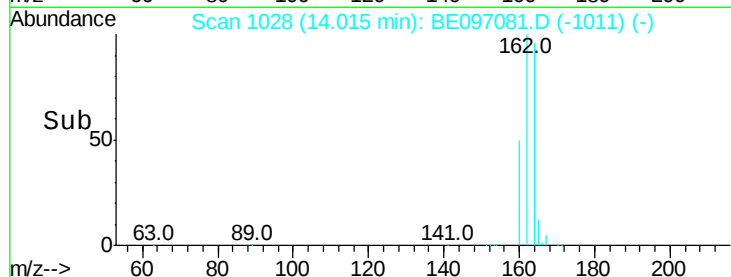
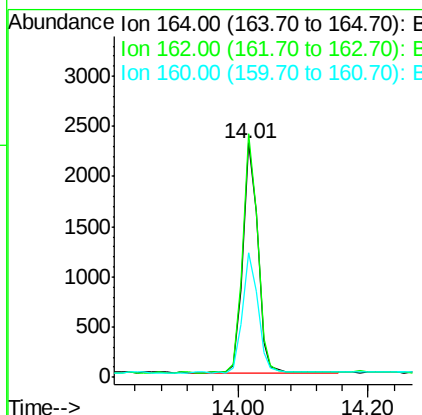
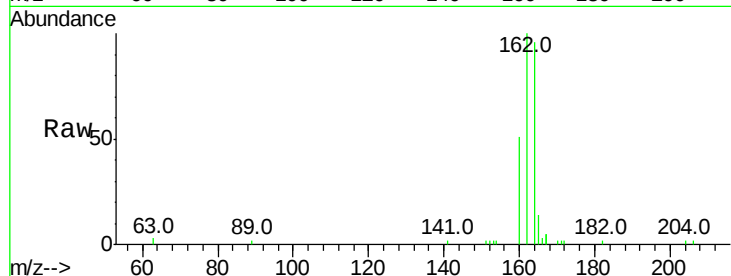




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

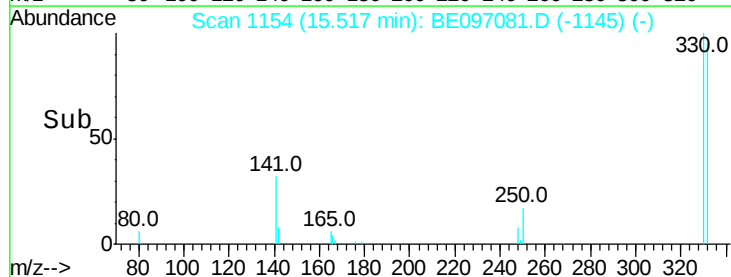
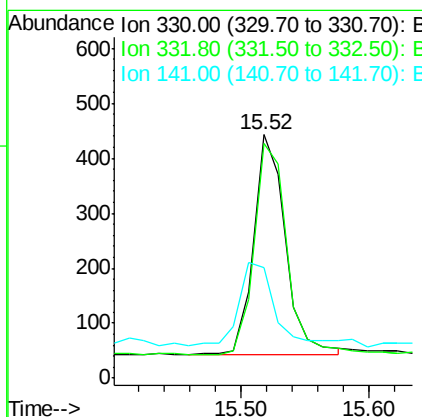
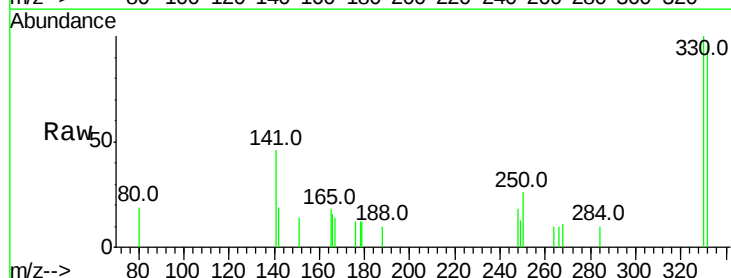
Instrument :
BNA_E
ClientSampleId :
RE123D2-071818

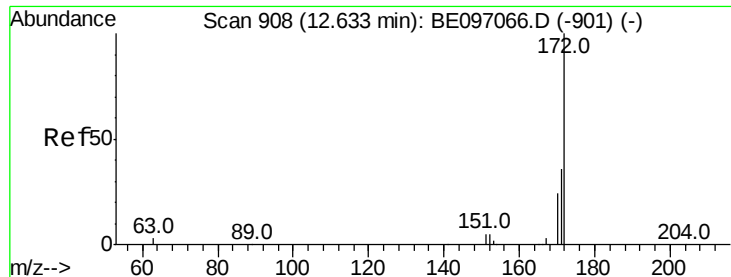
Tot Ion:164 Resp: 3634
Ion Ratio Lower Upper
164 100
162 103.9 83.1 124.7
160 53.4 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.574 ng
RT: 15.52 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

Tgt Ion:330 Resp: 687
Ion Ratio Lower Upper
330 100
332 99.7 152.7 229.1#
141 42.5 33.7 50.5

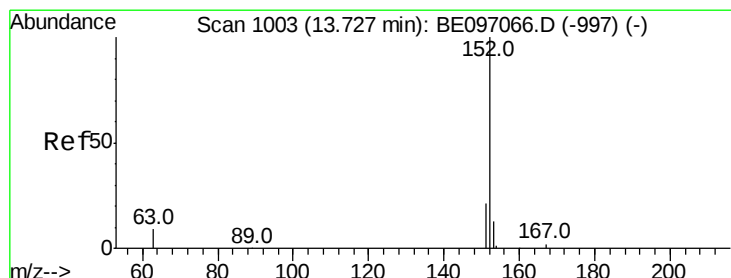
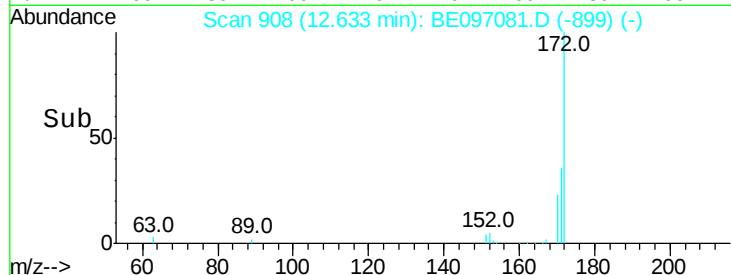
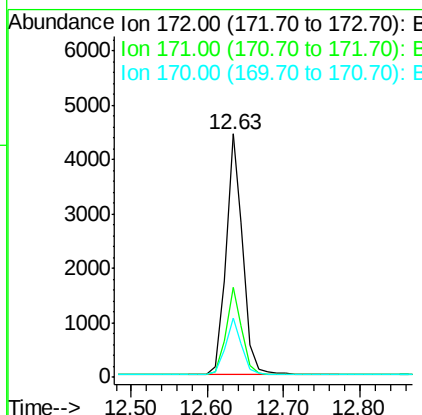
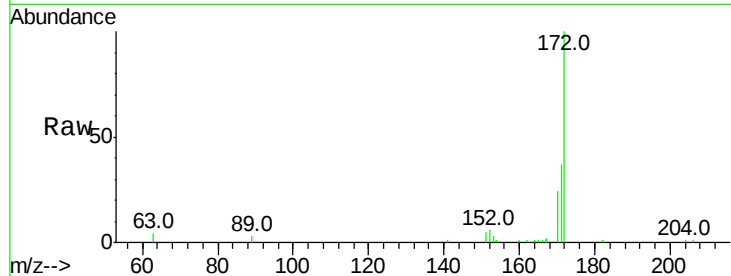




#15
2-Fluorobiphenyl
Concen: 0.546 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

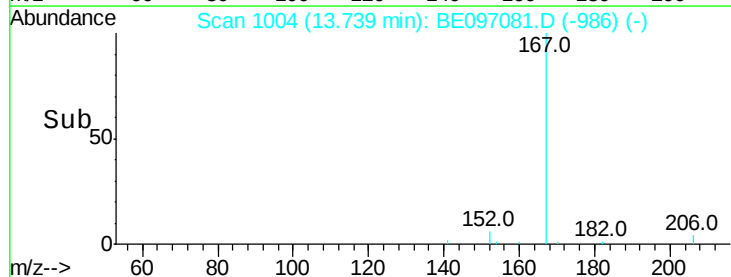
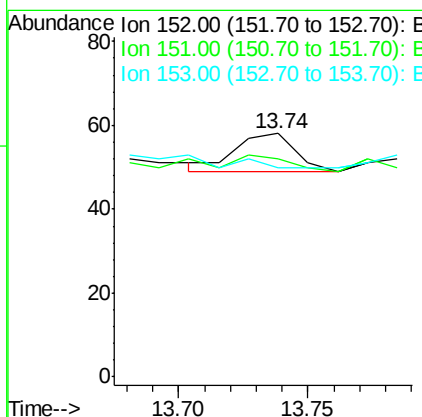
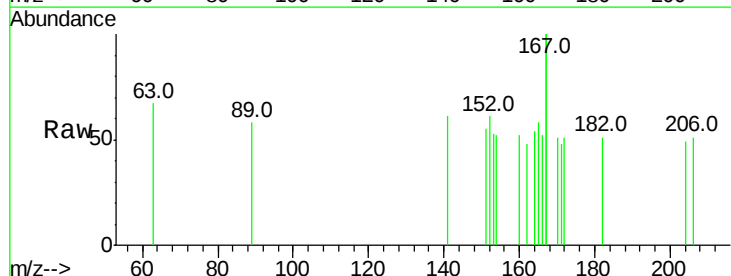
Instrument :
BNA_E
ClientSampleId :
RE123D2-071818

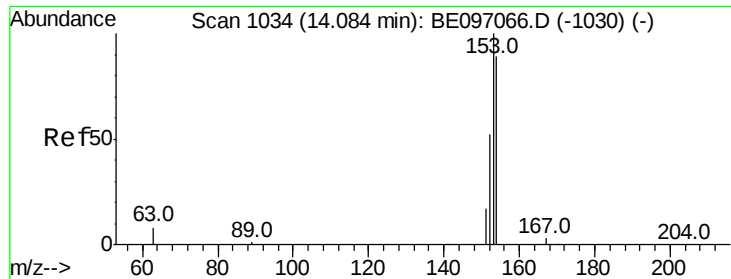
Tot Ion:172 Resp: 6851
Ion Ratio Lower Upper
172 100
171 36.7 29.9 44.9
170 24.2 21.8 32.8



#16
Acenaphthylene
Concen: 0.001 ng
RT: 13.74 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

Tgt Ion:152 Resp: 15
Ion Ratio Lower Upper
152 100
151 53.3 15.7 23.5#
153 0.0 10.5 15.7#

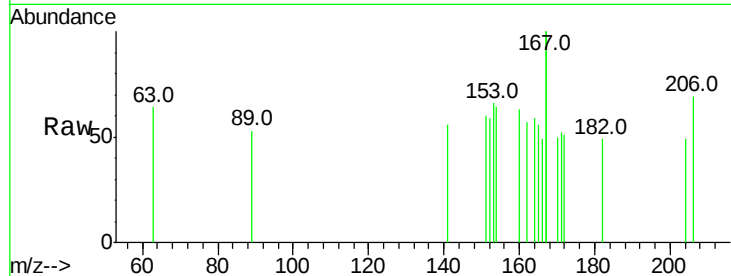




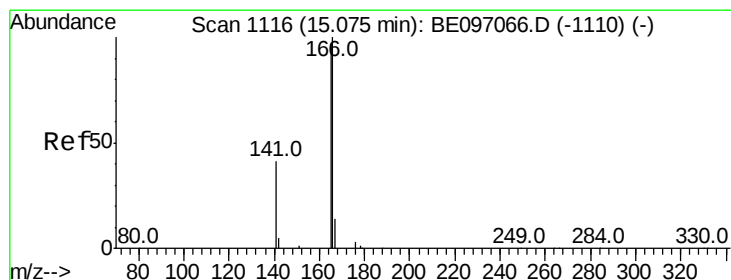
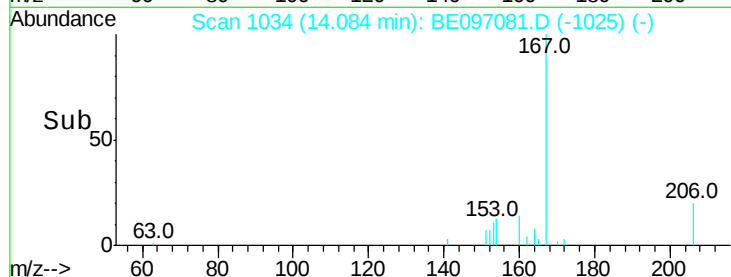
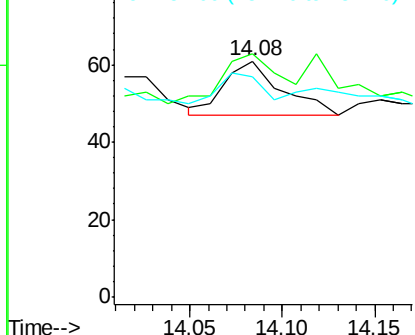
#17
Acenaphthene
Concen: 0.003 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

Instrument :
BNA_E
ClientSampleId :
RE123D2-071818

Tot Ion:154 Resp: 30
Ion Ratio Lower Upper
154 100
153 93.3 89.2 133.8
152 50.0 42.0 63.0

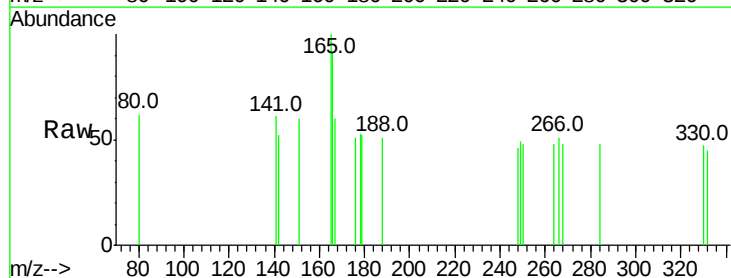


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

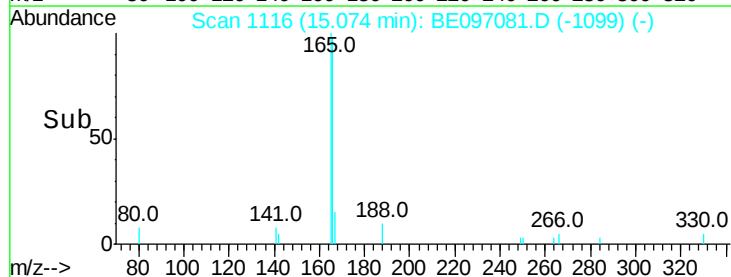
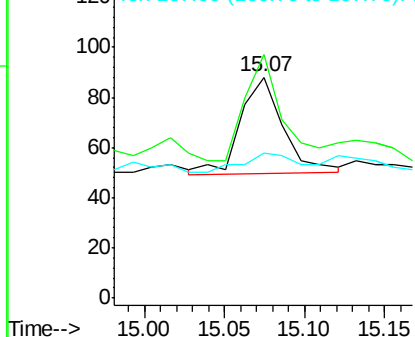


#18
Fluorene
Concen: 0.006 ng
RT: 15.07 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

Tgt Ion:166 Resp: 71
Ion Ratio Lower Upper
166 100
165 93.0 77.8 116.6
167 23.9 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

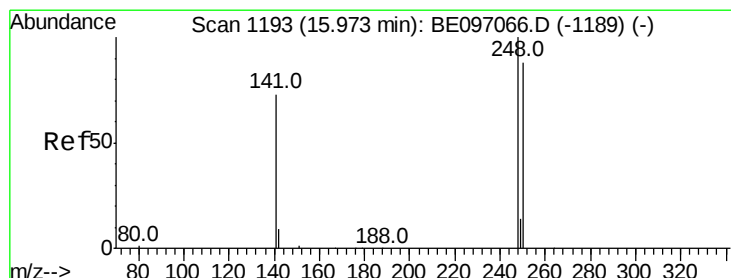
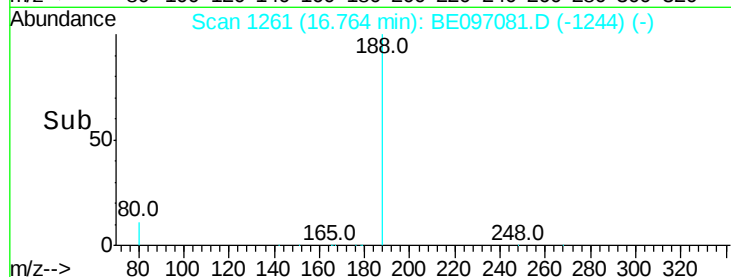
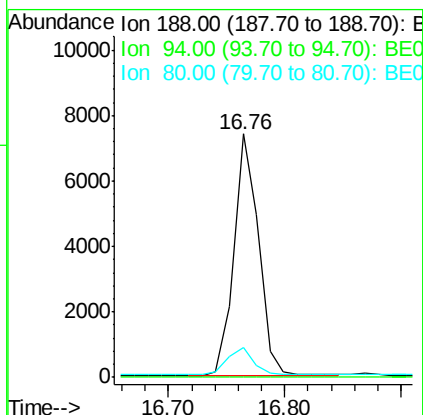
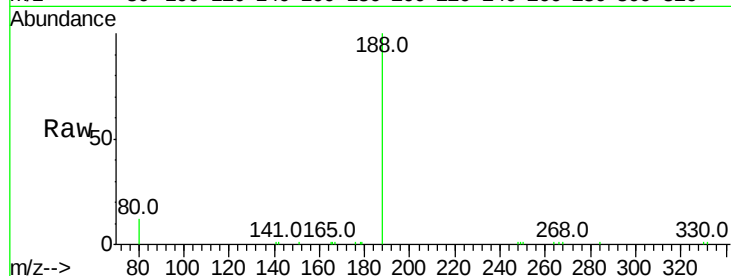




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

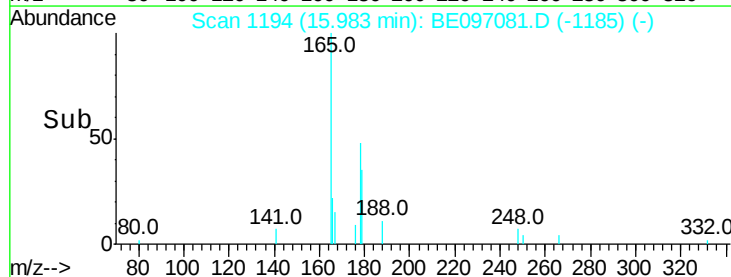
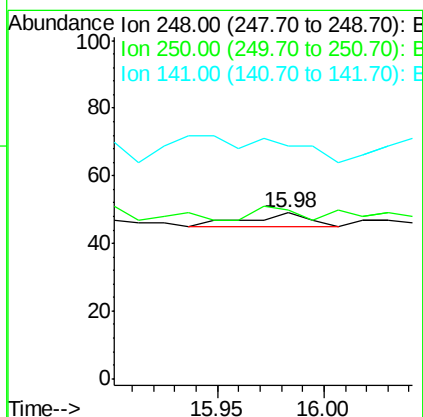
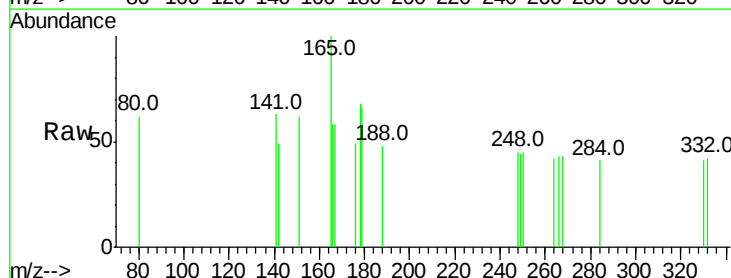
Instrument :
BNA_E
ClientSampleId :
RE123D2-071818

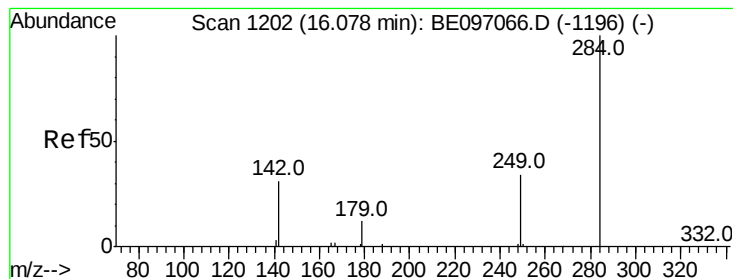
Tot Ion:188 Resp: 10903
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 12.3 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.002 ng
RT: 15.98 min Scan# 1194
Delta R.T. 0.01 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

Tgt Ion:248 Resp: 8
Ion Ratio Lower Upper
248 100
250 102.0 62.7 94.1#
141 140.8 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.001 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

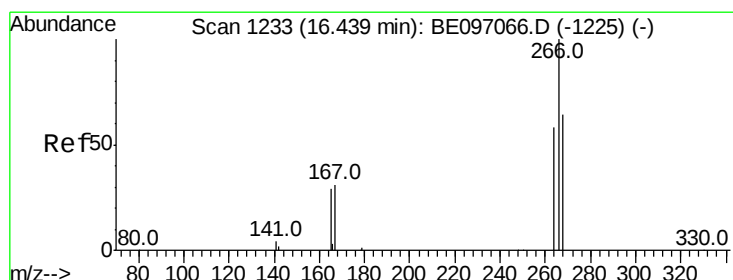
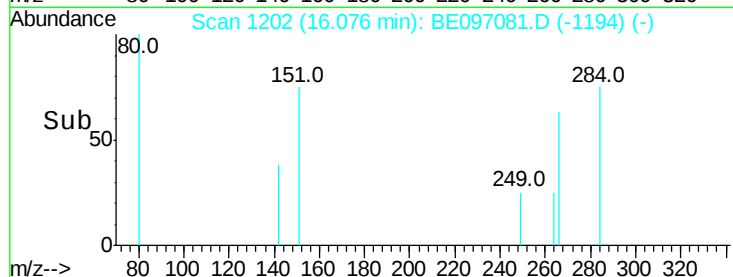
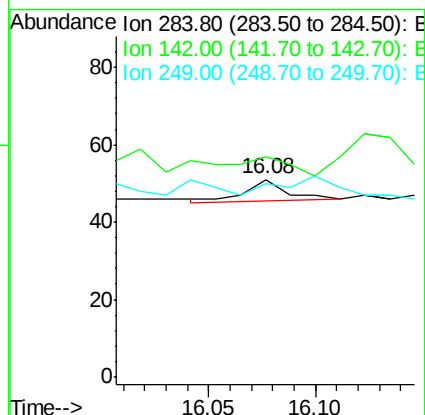
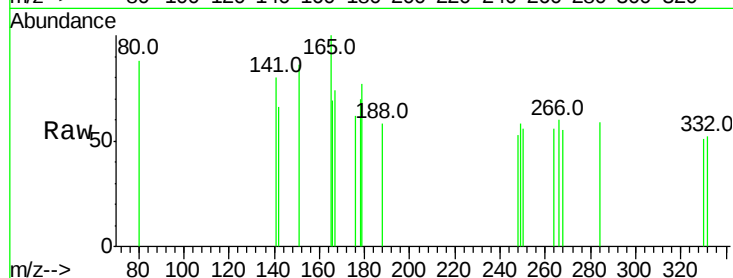
Tot Ion:284 Resp: 8

Ion Ratio Lower Upper

284 100

142 100.0 22.1 33.1#

249 0.0 34.8 52.2#



#22

Pentachlorophenol

Concen: 0.045 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

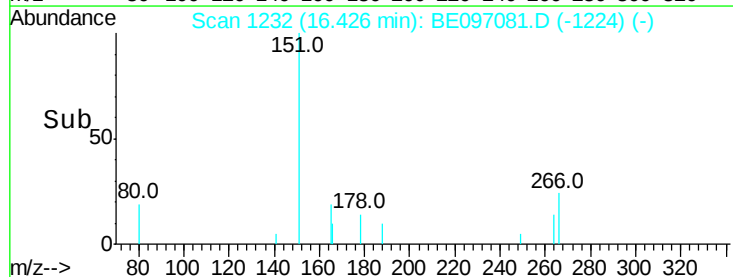
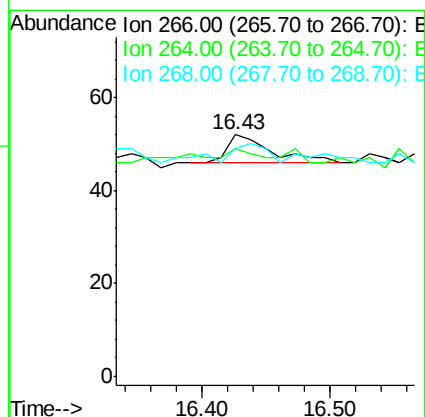
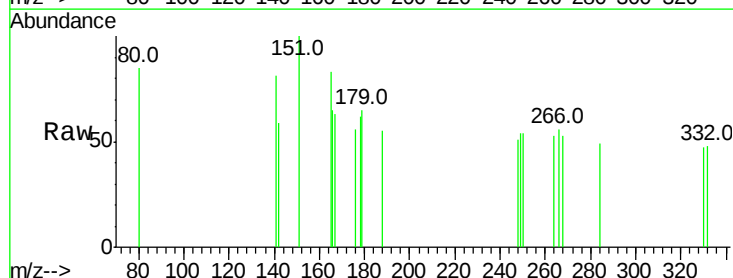
Tgt Ion:266 Resp: 14

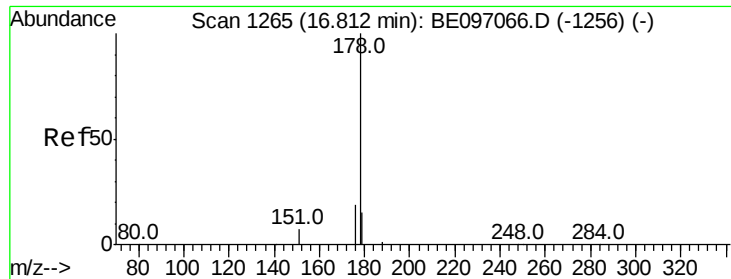
Ion Ratio Lower Upper

266 100

264 94.2 72.5 108.7

268 94.2 73.8 110.6





#23

Phenanthrene

Concen: 0.015 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

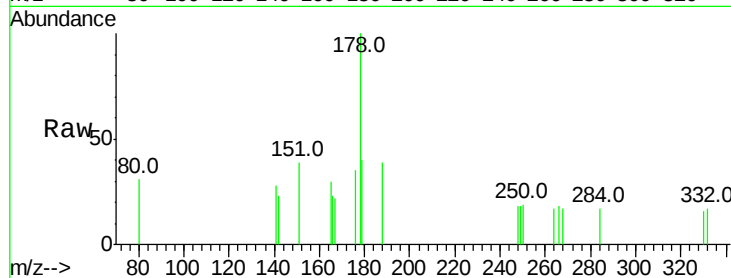
Tot Ion:178 Resp: 380

Ion Ratio Lower Upper

178 100

176 20.5 15.1 22.7

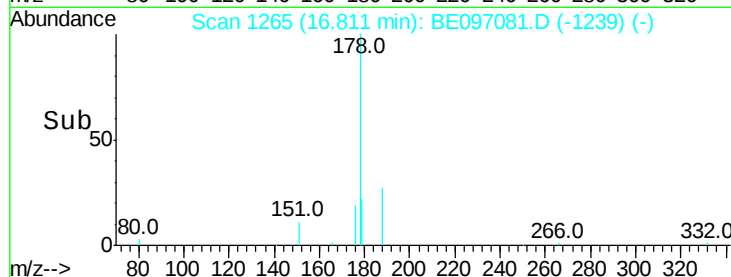
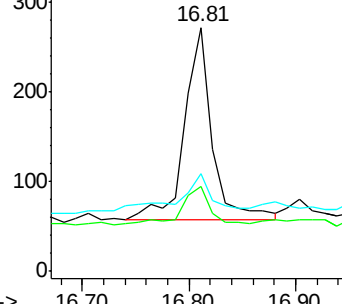
179 30.3 11.8 17.6#



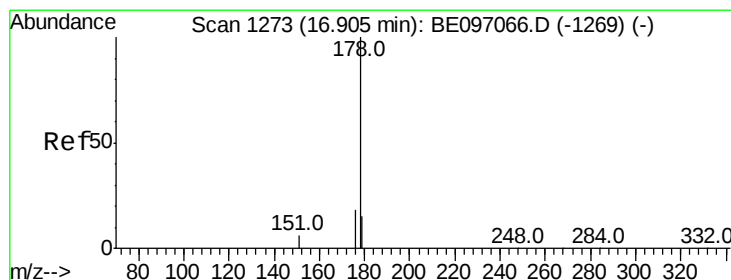
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.001 ng

RT: 16.90 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

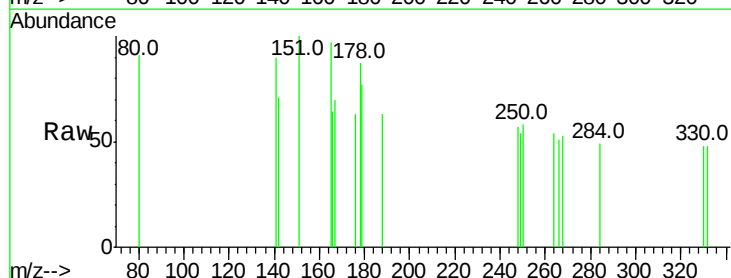
Tgt Ion:178 Resp: 25

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

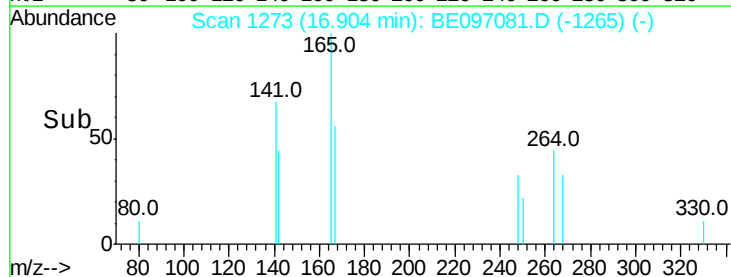
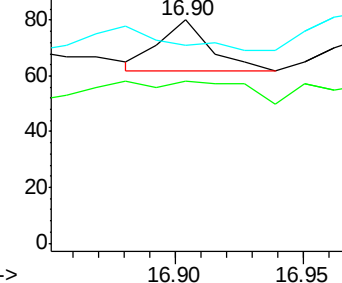
179 0.0 13.0 19.6#



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



Time-->



#25

Fluoranthene-d10

Concen: 0.575 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

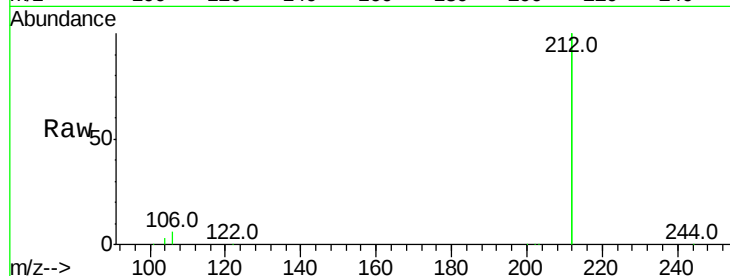
Tot Ion:212 Resp: 62769

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

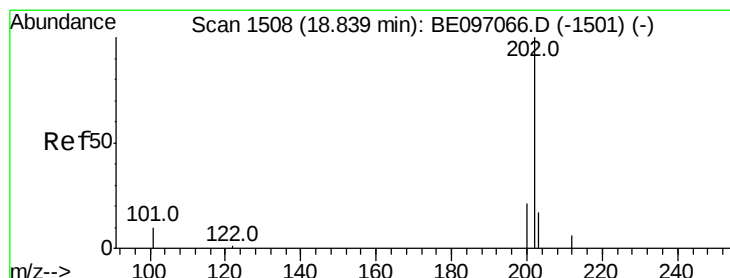
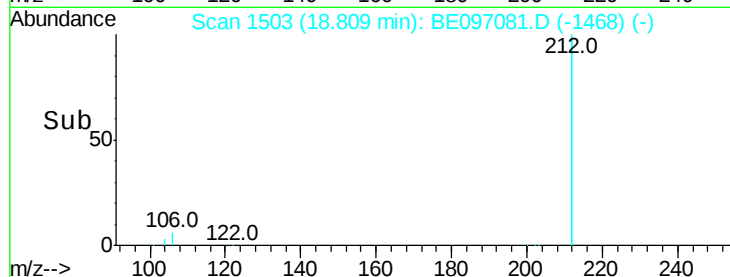
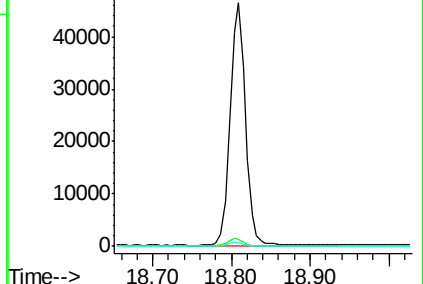
104 1.7 1.6 2.4



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: 0.003 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

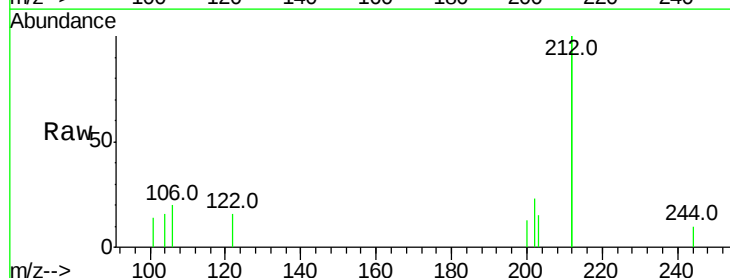
Tgt Ion:202 Resp: 92

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

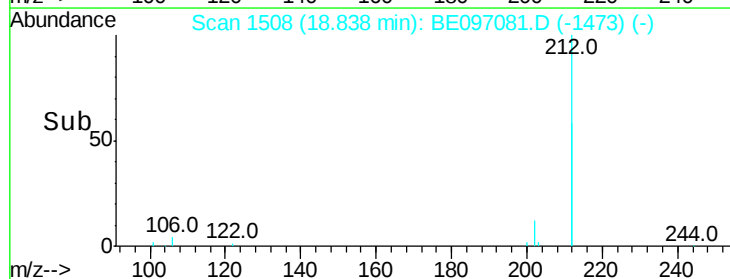
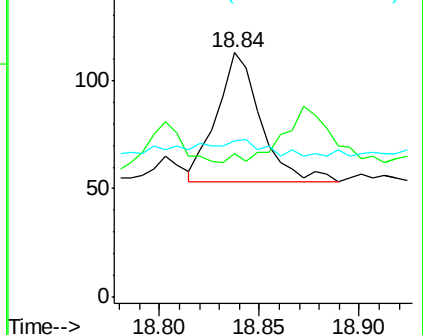
203 55.4 13.7 20.5#



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

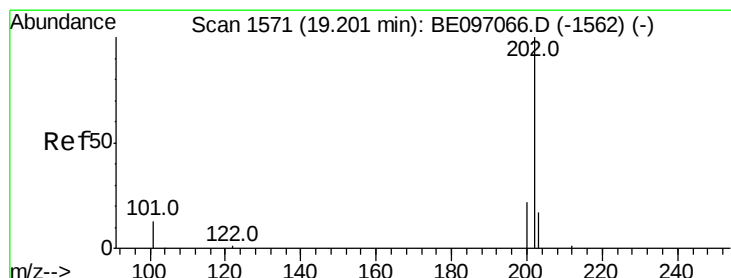
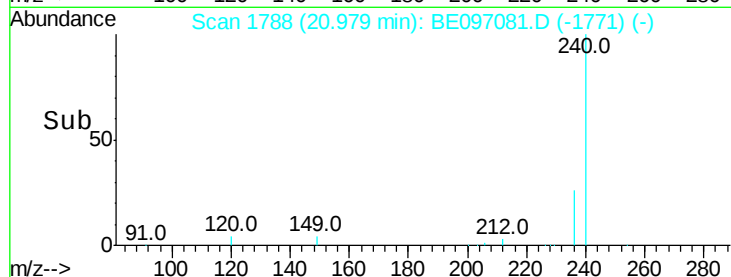
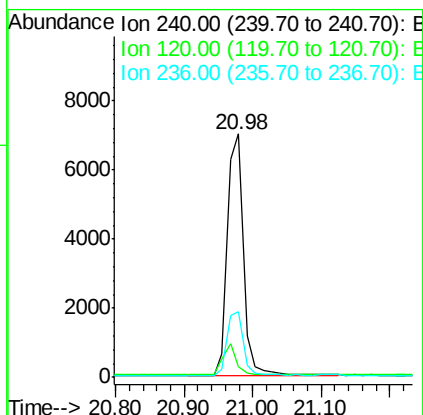
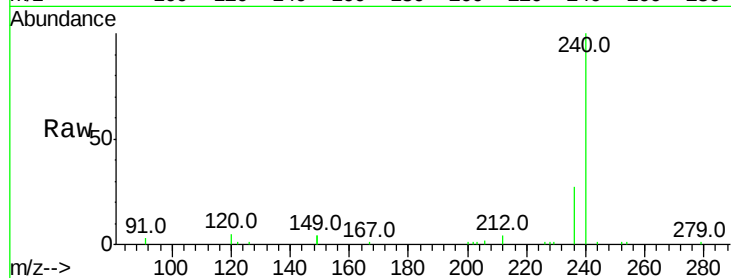




#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

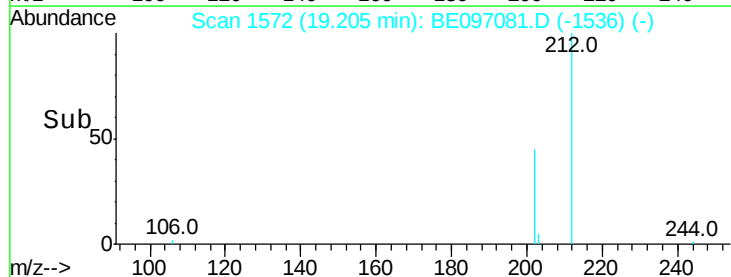
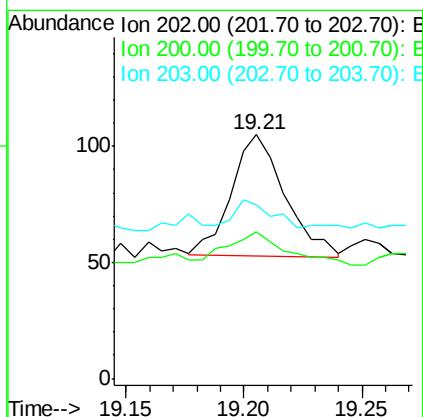
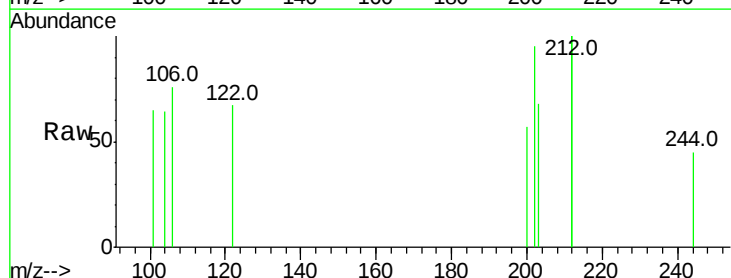
Instrument :
BNA_E
ClientSampleId :
RE123D2-071818

Tot Ion:240 Resp: 11465
Ion Ratio Lower Upper
240 100
120 4.6 5.5 8.3#
236 26.9 20.7 31.1



#28
Pyrene
Concen: 0.003 ng
RT: 19.21 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BE097081.D
Acq: 24 Jul 2018 20:56

Tgt Ion:202 Resp: 84
Ion Ratio Lower Upper
202 100
200 28.6 16.6 25.0#
203 14.3 13.8 20.8





#29

Terphenyl-d14

Concen: 0.719 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

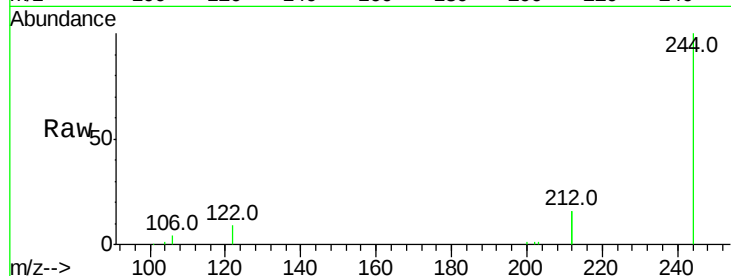
Tot Ion:244 Resp: 15838

Ion Ratio Lower Upper

244 100

212 31.0 25.4 38.0

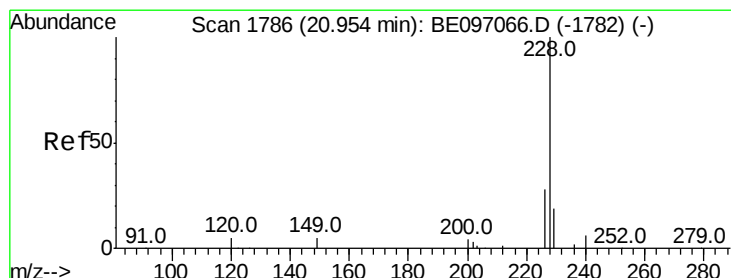
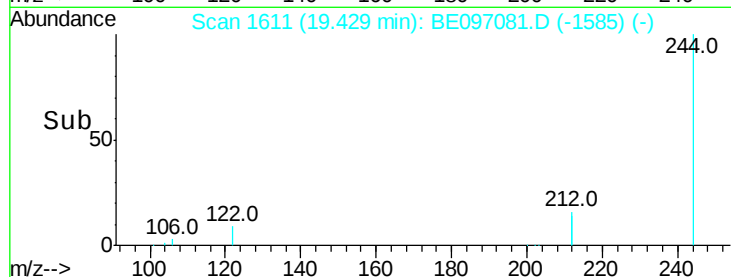
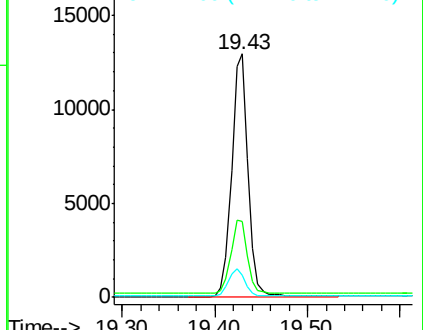
122 9.2 8.1 12.1



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: 0.002 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

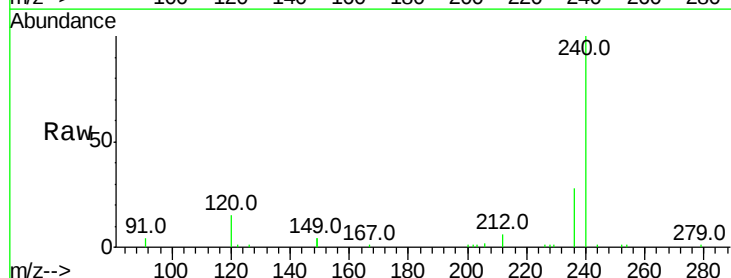
Tgt Ion:228 Resp: 65

Ion Ratio Lower Upper

228 100

226 74.4 24.0 36.0#

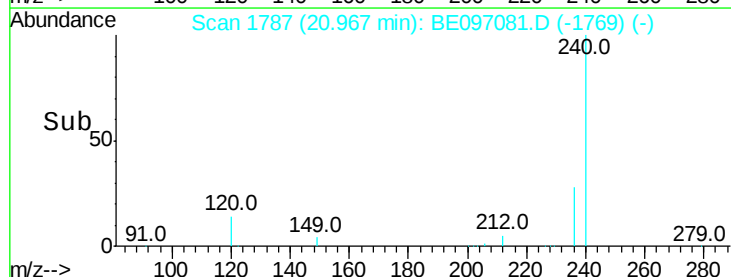
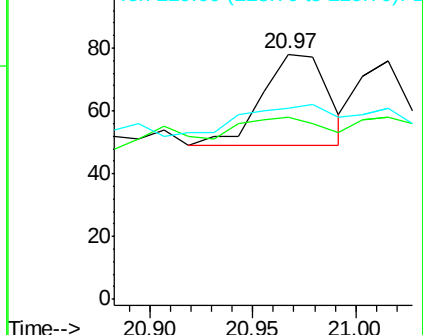
229 78.2 16.0 24.0#



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





#31

Chrysene

Concen: 0.001 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

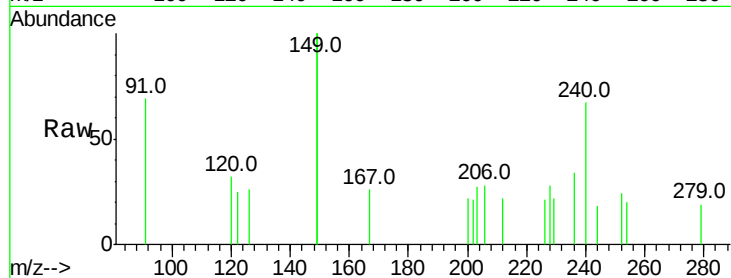
Tot Ion:228 Resp: 40

Ion Ratio Lower Upper

228 100

226 76.3 24.0 36.0#

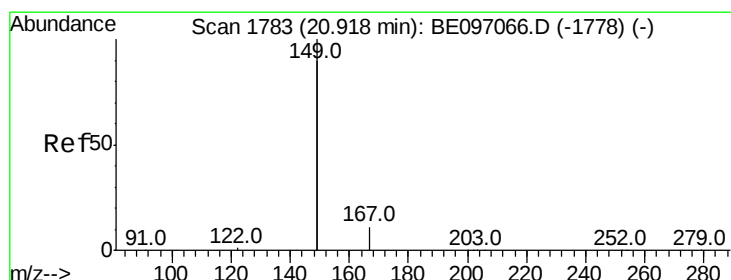
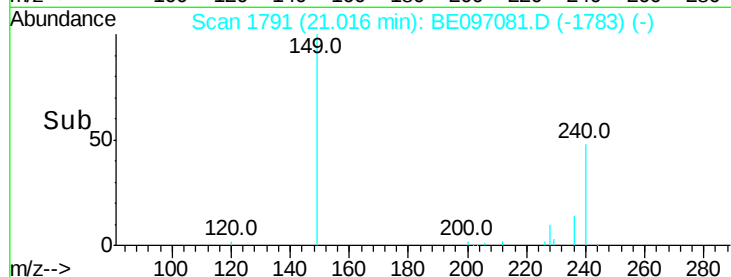
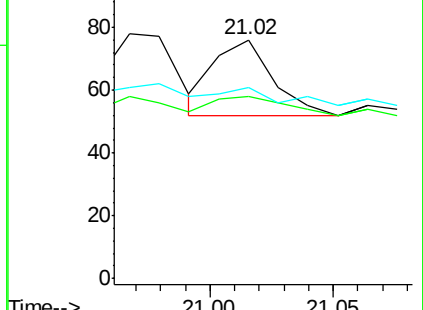
229 80.3 16.0 24.0#



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: 0.273 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

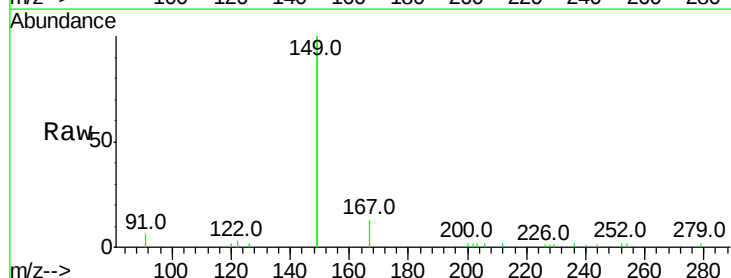
Tgt Ion:149 Resp: 8153

Ion Ratio Lower Upper

149 100

167 6.3 5.4 8.0

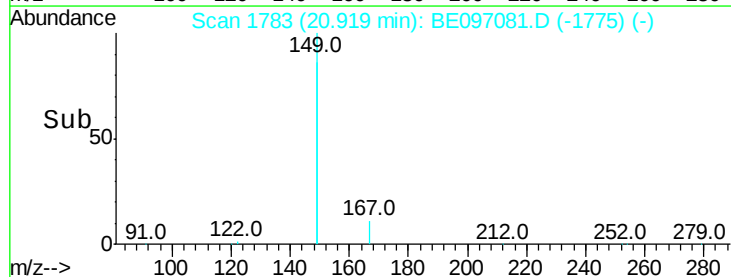
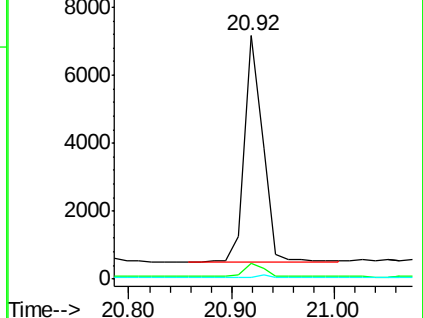
279 1.1 0.7 1.1#



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





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.000 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.02 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

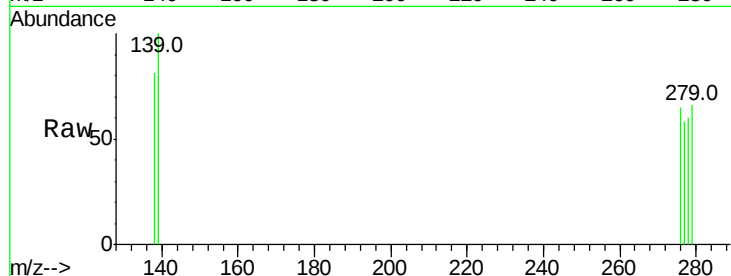
Tot Ion:276 Resp: 12

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

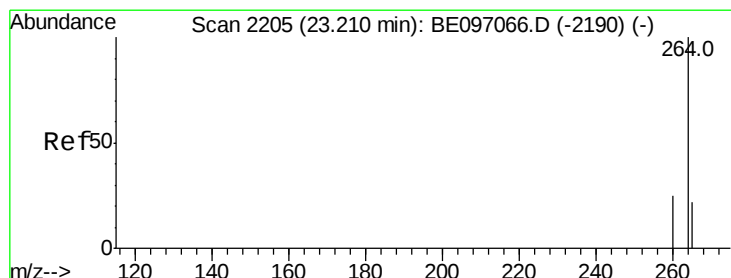
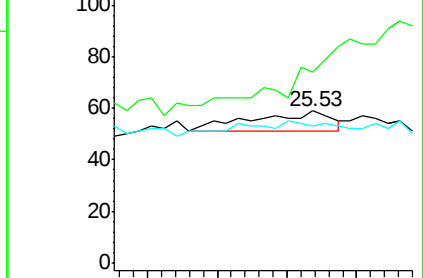
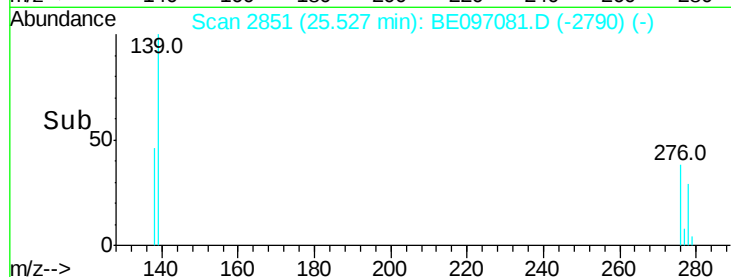
277 33.3 19.9 29.9#



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: BE097081.D

Acq: 24 Jul 2018 20:56

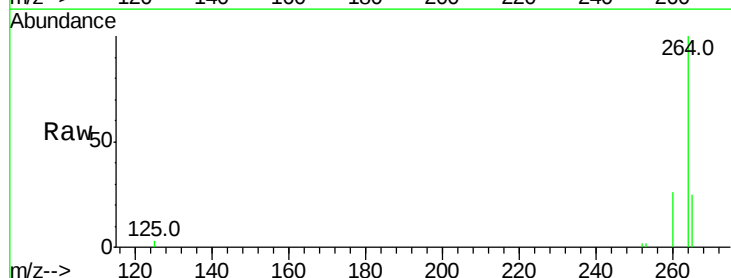
Tgt Ion:264 Resp: 10833

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

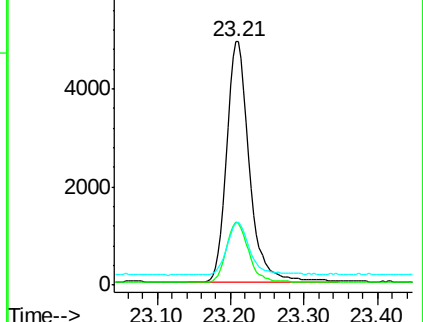
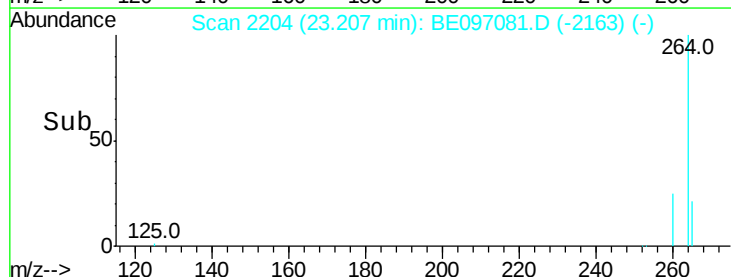
265 25.3 22.8 34.2



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: 0.002 ng

RT: 22.54 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

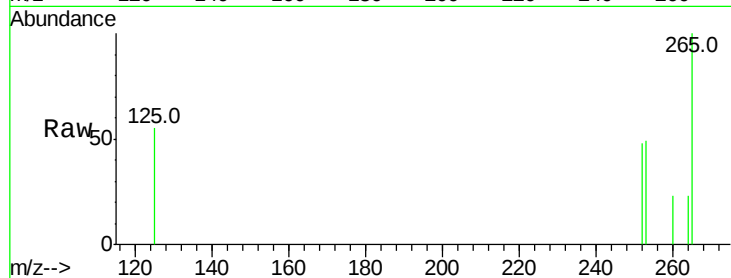
Tot Ion:252 Resp: 59

Ion Ratio Lower Upper

252 100

253 101.9 20.0 30.0#

125 114.6 16.0 24.0#

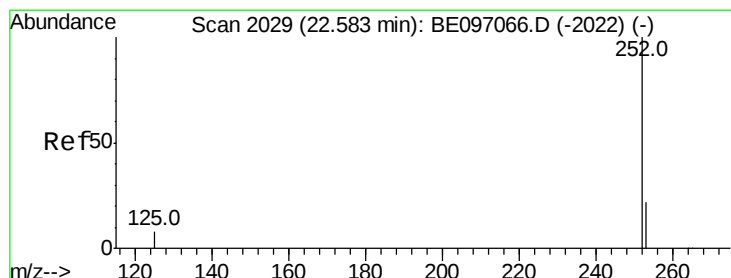
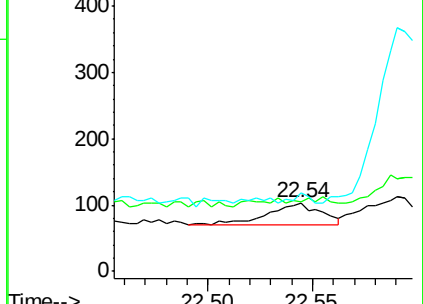
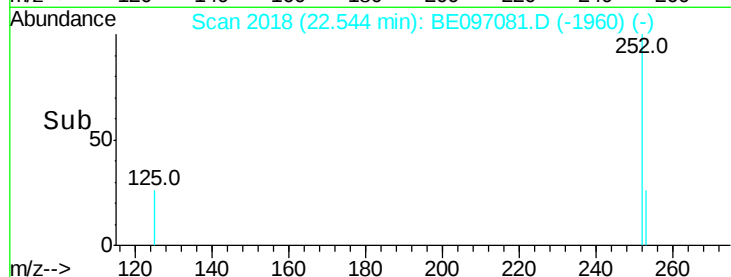


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#36

Benzo(k)fluoranthene

Concen: 0.003 ng

RT: 22.59 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

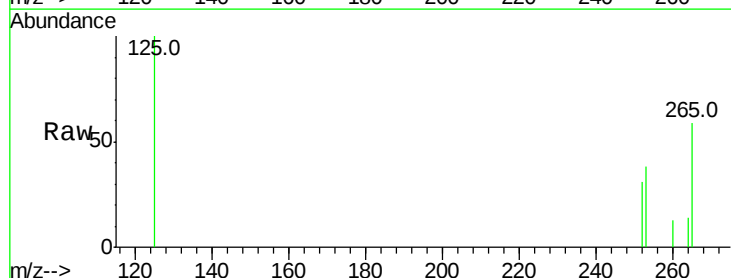
Tgt Ion:252 Resp: 82

Ion Ratio Lower Upper

252 100

253 124.1 16.0 24.0#

125 327.7 8.0 12.0#

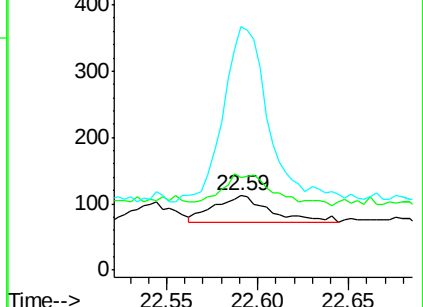
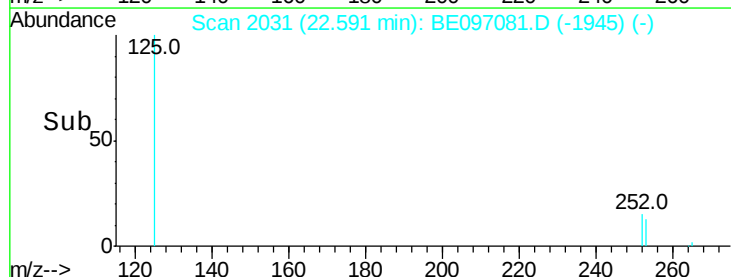


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->





#37

Benzo(a)pyrene

Concen: 0.001 ng

RT: 23.12 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BE097081.D

Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818

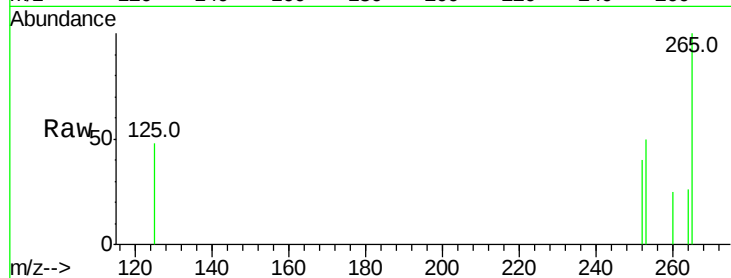
Tot Ion:252 Resp: 14

Ion Ratio Lower Upper

252 100

253 124.7 16.0 24.0#

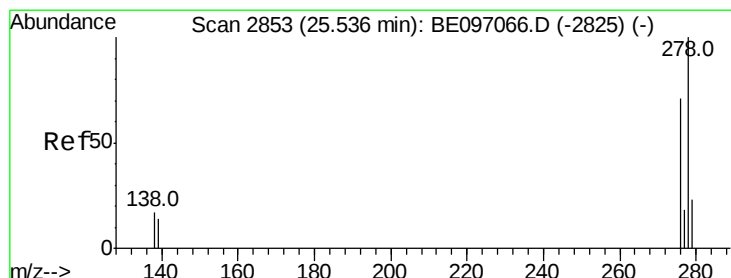
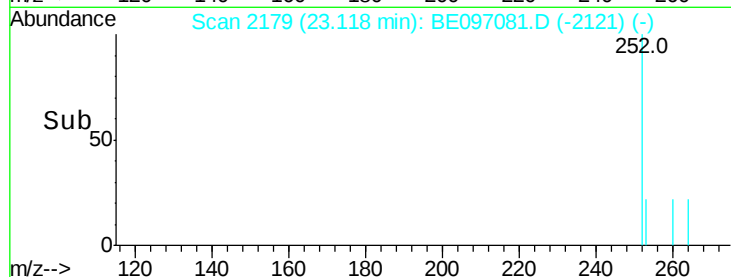
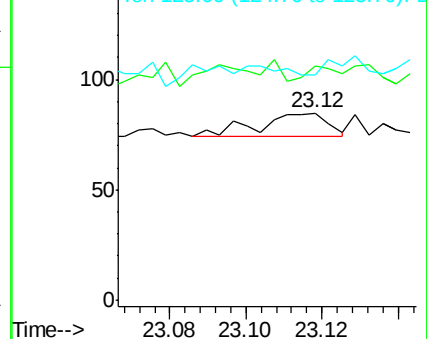
125 120.0 12.0 18.0#



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: BE097081.D

Acq: 24 Jul 2018 20:56

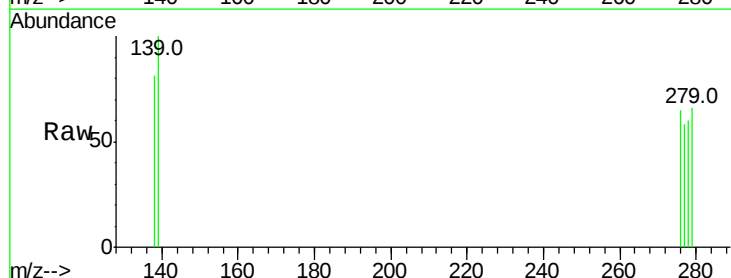
Tgt Ion:278 Resp: 4

Ion Ratio Lower Upper

278 100

139 165.5 16.0 24.0#

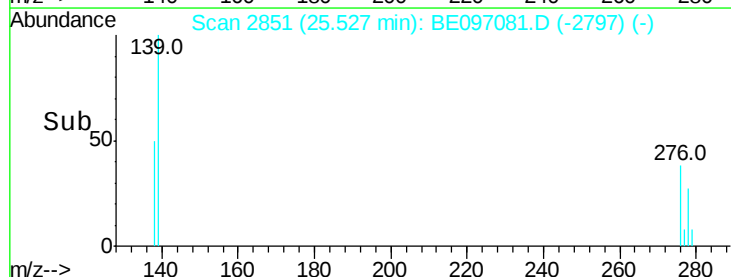
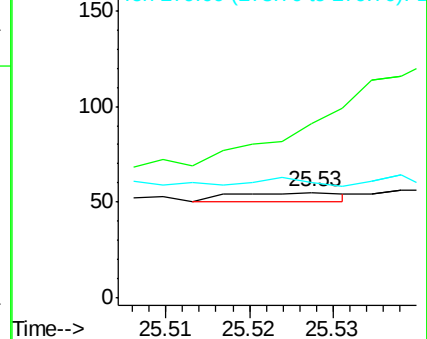
279 109.1 20.0 30.0#



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: 0.001 ng

RT: 26.22 min Scan# 3045

Delta R.T. 0.02 min

Lab File: BE097081.D

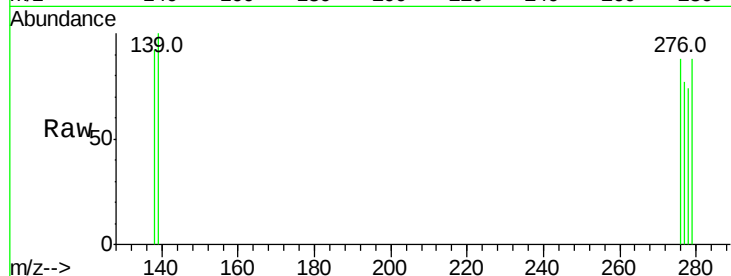
Acq: 24 Jul 2018 20:56

Instrument :

BNA_E

ClientSampleId :

RE123D2-071818



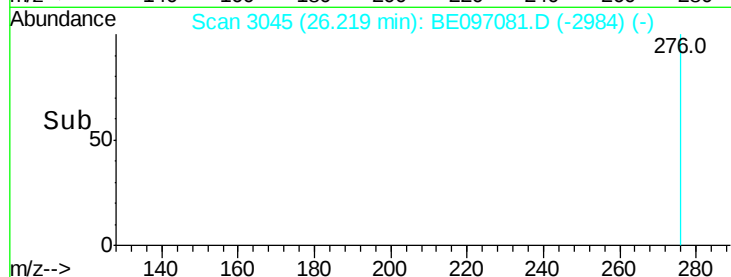
Tot Ion:276 Resp: 19

Ion Ratio Lower Upper

276 100

277 87.9 16.0 24.0#

138 105.2 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

