

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101918\
 Data File : BE097994.D
 Acq On : 19 Oct 2018 16:38
 Operator : SJ/JU
 Sample : PB113998BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 19 23:29:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 15:36:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	2587	0.40	ng	-0.01
7) Naphthalene-d8	10.68	136	11136	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	6387	0.40	ng	-0.01
19) Phenanthrene-d10	17.29	188	15685	0.40	ng	-0.01
27) Chrysene-d12	21.48	240	24447	0.40	ng	-0.01
34) Perylene-d12	24.03	264	24620	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	3313	0.41	ng	0.00
5) Phenol-d6	7.05	99	4537	0.38	ng	-0.01
8) Nitrobenzene-d5	9.03	82	3792	0.36	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	6923	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	1231	0.36	ng	-0.01
15) 2-Fluorobiphenyl	13.16	172	9330	0.36	ng	-0.01
25) Fluoranthene-d10	19.33	212	69096	0.33	ng	0.00
29) Terphenyl-d14	19.92	244	25905	0.46	ng	-0.01

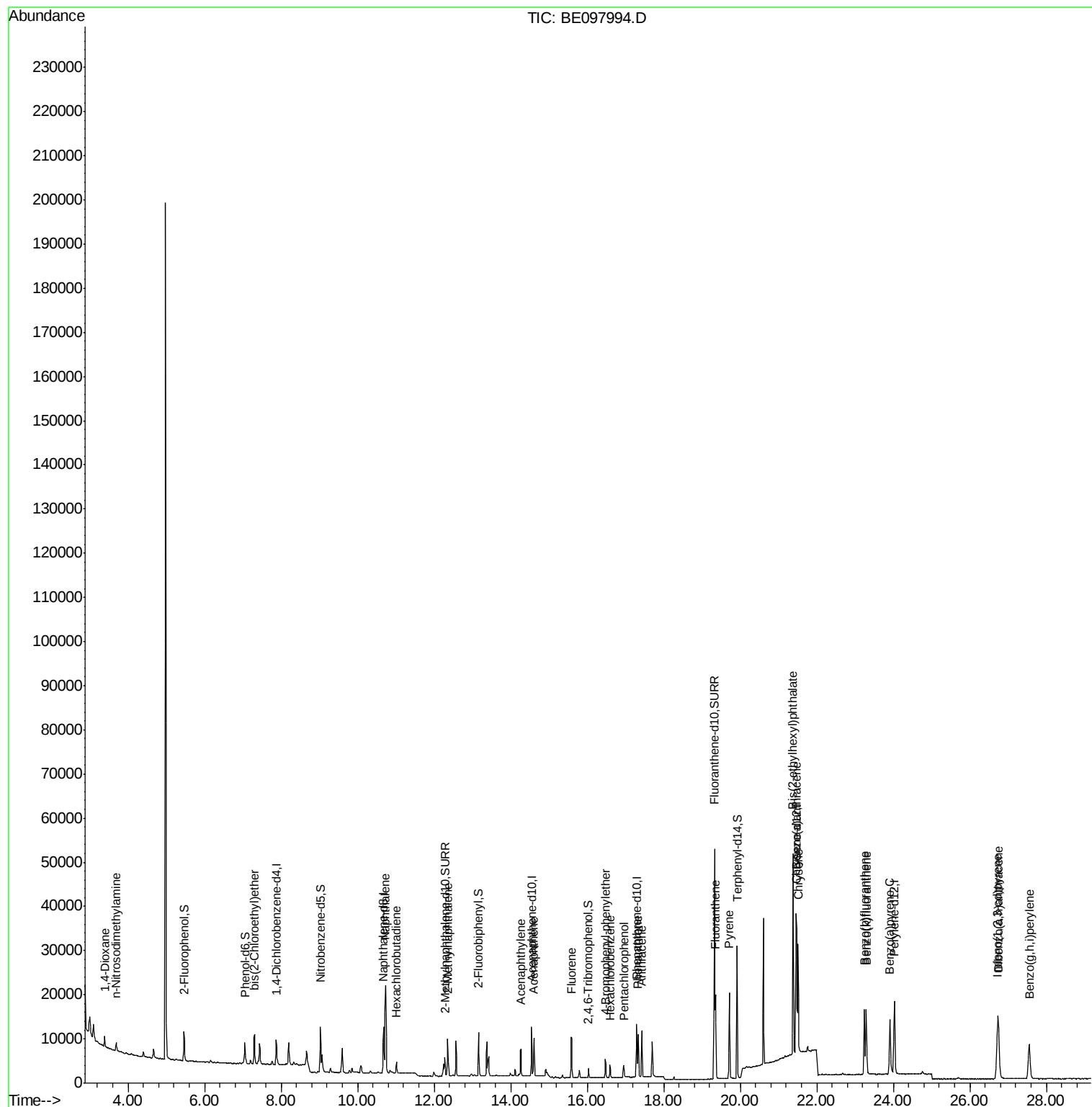
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.38	88	1280	0.284	ng	93
3) n-Nitrosodimethylamine	3.69	42	1354	0.269	ng	95
6) bis(2-Chloroethyl)ether	7.30	93	2573	0.251	ng	97
9) Naphthalene	10.73	128	32463	0.293	ng	100
10) Hexachlorobutadiene	11.02	225	1619	0.271	ng	100
12) 2-Methylnaphthalene	12.35	142	5697	0.300	ng	98
16) Acenaphthylene	14.27	152	8508	0.288	ng	100
17) Acenaphthene	14.60	154	4772	0.265	ng	97
18) Fluorene	15.59	166	6530	0.263	ng	99
20) 4-Bromophenyl-phenylether	16.48	248	2231	0.260	ng	# 88
21) Hexachlorobenzene	16.59	284	2206	0.262	ng	95
22) Pentachlorophenol	16.95	266	1818	0.783	ng	92
23) Phenanthrene	17.33	178	11343	0.285	ng	100
24) Anthracene	17.42	178	10950	0.291	ng	99
26) Fluoranthene	19.35	202	17424	0.333	ng	98
28) Pyrene	19.72	202	18428	0.261	ng	99
30) Benzo(a)anthracene	21.46	228	21970	0.293	ng	98
31) Chrysene	21.51	228	21098	0.297	ng	98
32) Bis(2-ethylhexyl)phthalate	21.38	149	50144	0.243	ng	100
33) Indeno(1,2,3-cd)pyrene	26.72	276	23319	0.256	ng	99
35) Benzo(b)fluoranthene	23.24	252	20918	0.295	ng	# 93
36) Benzo(k)fluoranthene	23.29	252	21391	0.290	ng	# 93
37) Benzo(a)pyrene	23.91	252	20656	0.299	ng	# 94
38) Dibenzo(a,h)anthracene	26.75	278	19374	0.286	ng	96
39) Benzo(g,h,i)perylene	27.55	276	19693	0.284	ng	96

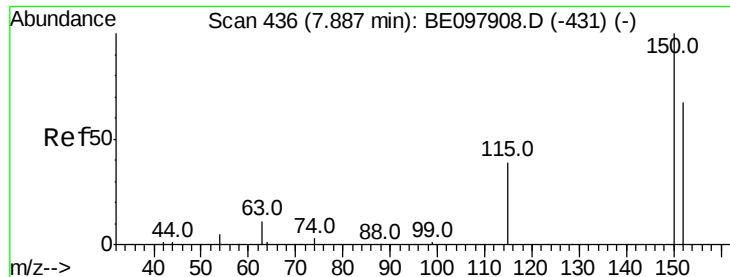
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 435

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

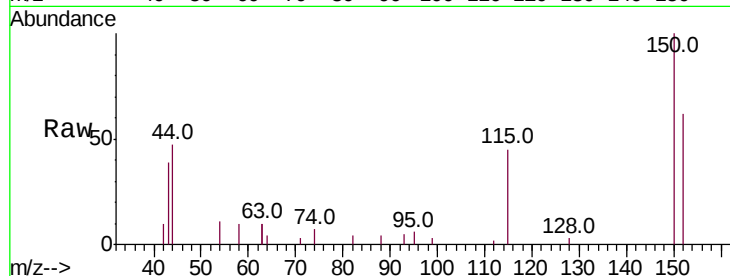
Tot Ion:152 Resp: 2587

Ion Ratio Lower Upper

152 100

150 161.6 118.2 177.4

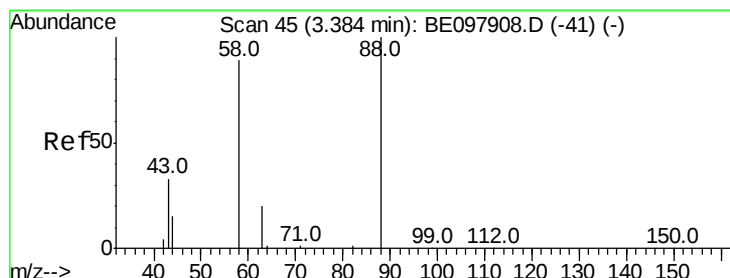
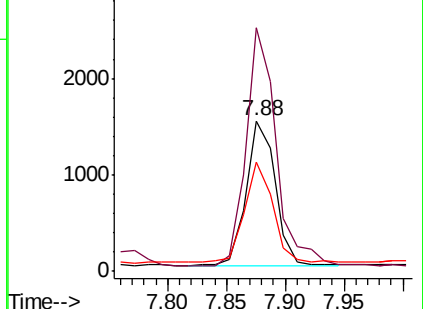
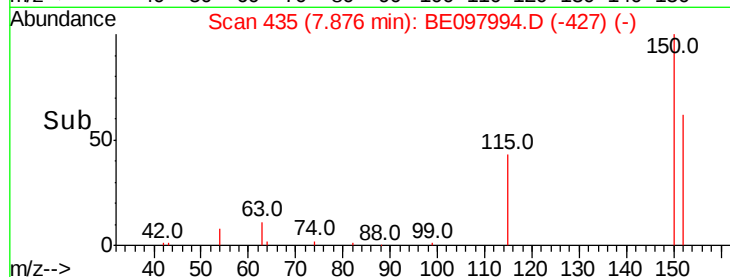
115 72.9 50.9 76.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.284 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

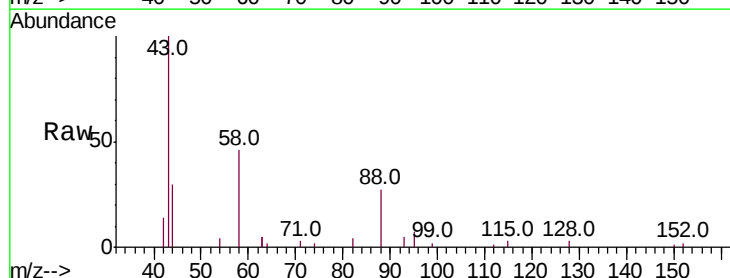
Tgt Ion: 88 Resp: 1280

Ion Ratio Lower Upper

88 100

58 95.5 73.2 109.8

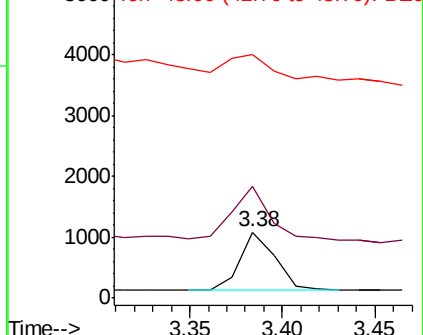
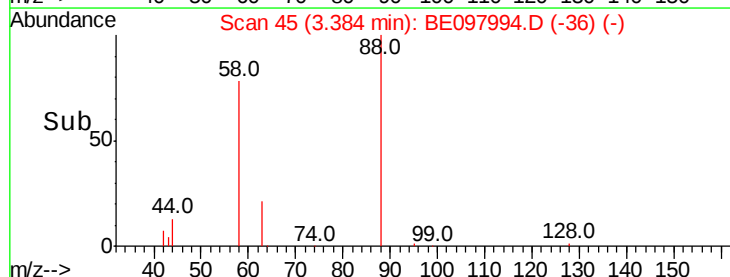
43 54.1 36.9 55.3

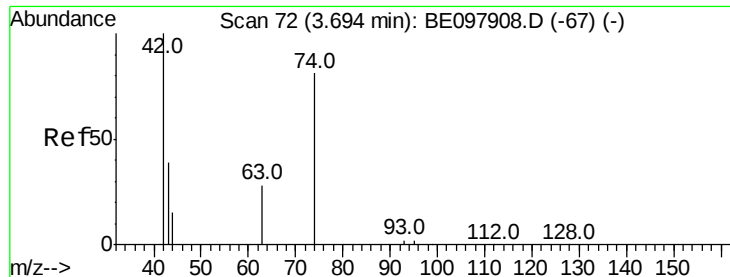


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.269 ng

RT: 3.69 min Scan# 72

Delta R.T. 0.00 min

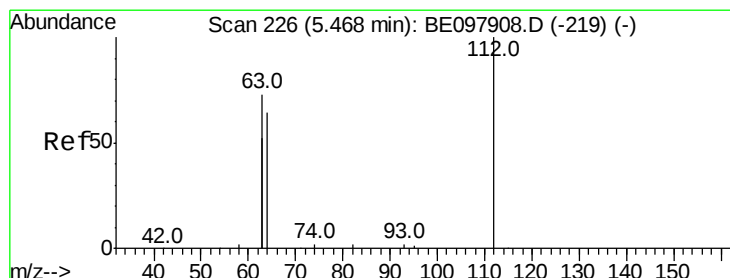
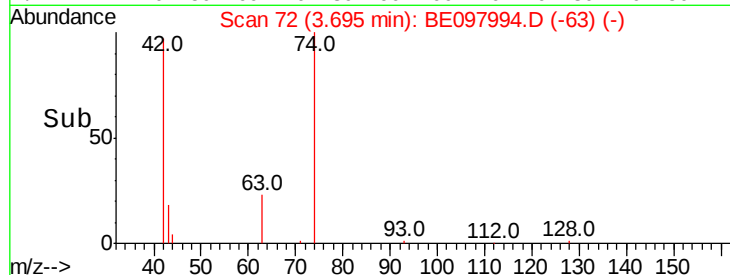
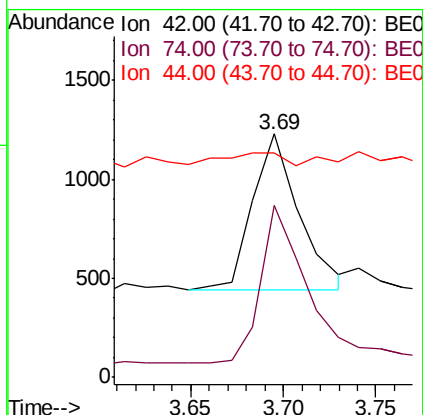
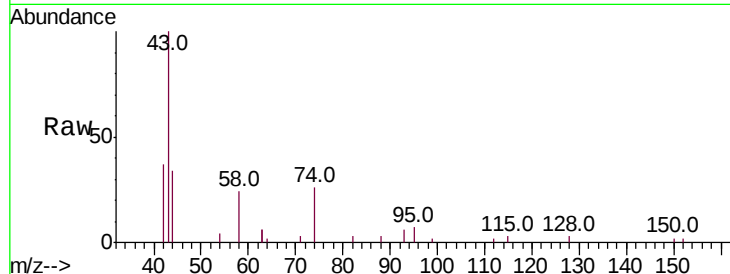
Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 1354

Ion	Ratio	Lower	Upper
42	100		
74	102.7	77.6	116.4
44	10.3	7.6	11.4



#4

2-Fluorophenol

Concen: 0.406 ng

RT: 5.47 min Scan# 226

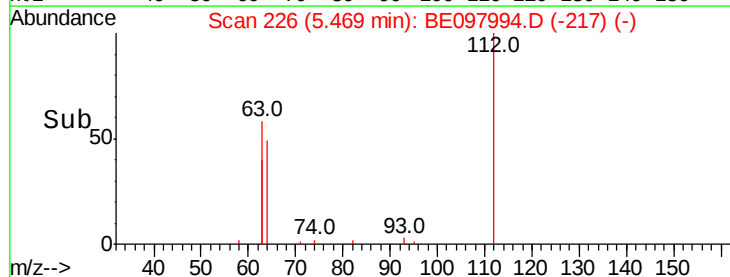
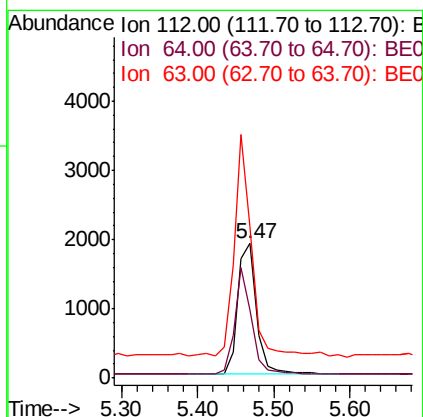
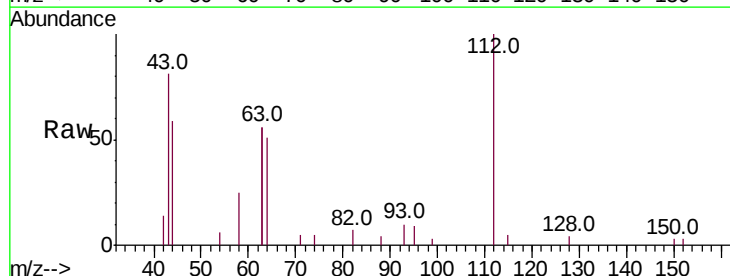
Delta R.T. 0.00 min

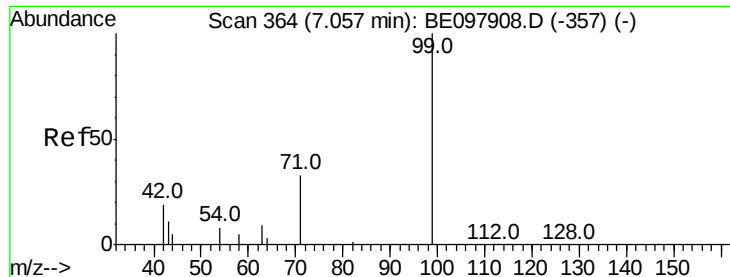
Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Tgt Ion: 112 Resp: 3313

Ion	Ratio	Lower	Upper
112	100		
64	72.7	58.9	88.3
63	157.1	120.3	180.5





#5

Phenol-d6

Concen: 0.376 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

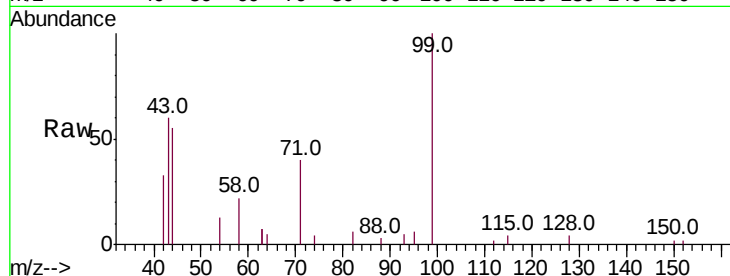
Tot Ion: 99 Resp: 4537

Ion Ratio Lower Upper

99 100

42 25.7 19.9 29.9

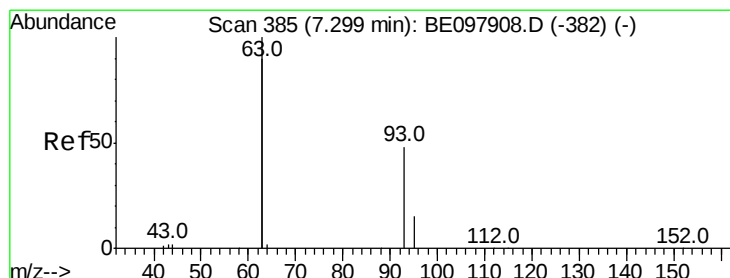
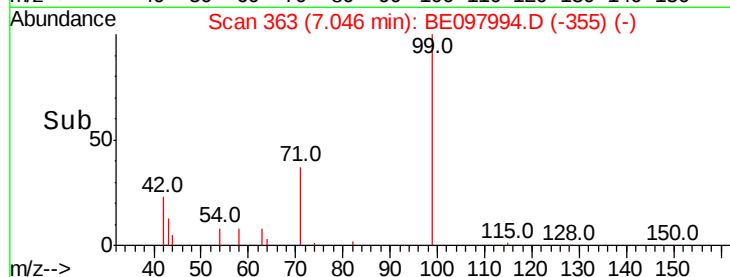
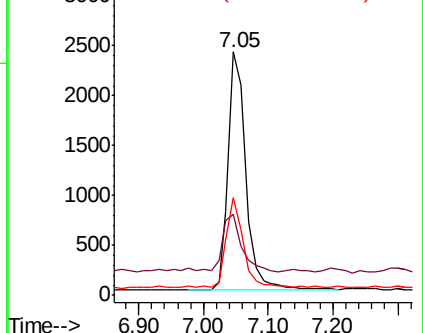
71 35.3 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.251 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

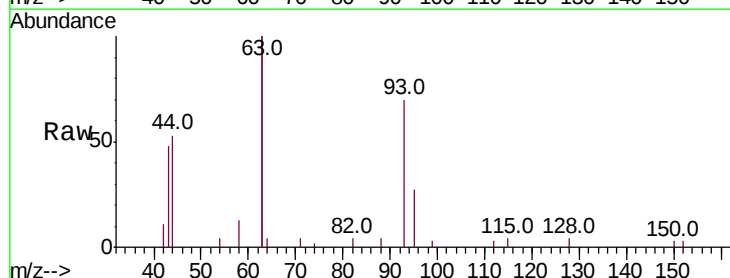
Tgt Ion: 93 Resp: 2573

Ion Ratio Lower Upper

93 100

63 329.3 259.0 388.4

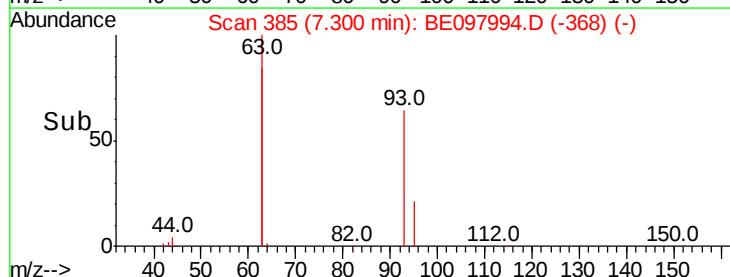
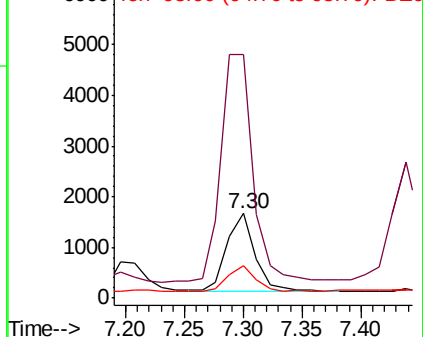
95 32.3 27.8 41.8

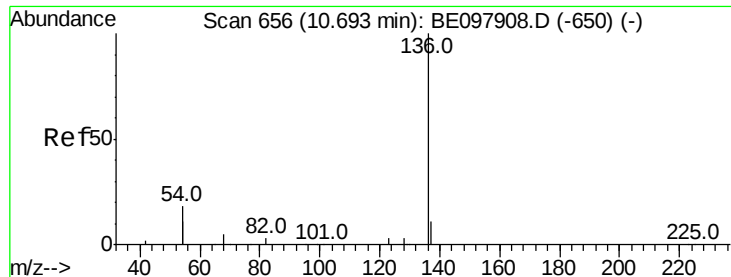


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.68 min Scan# 655

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 11136

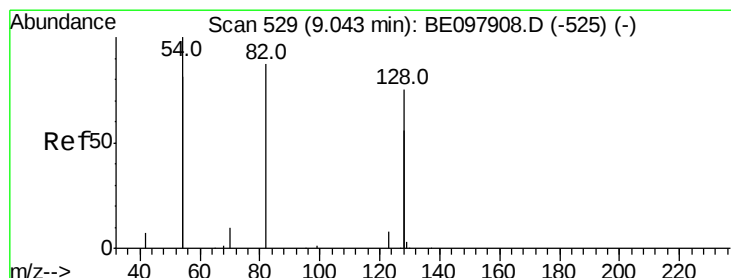
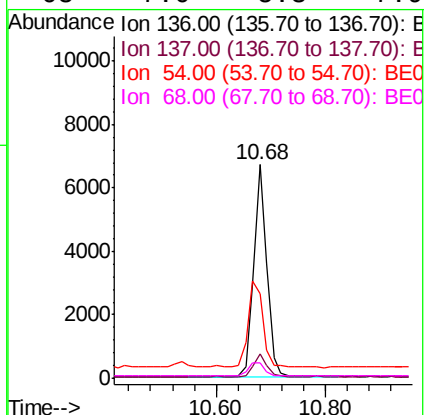
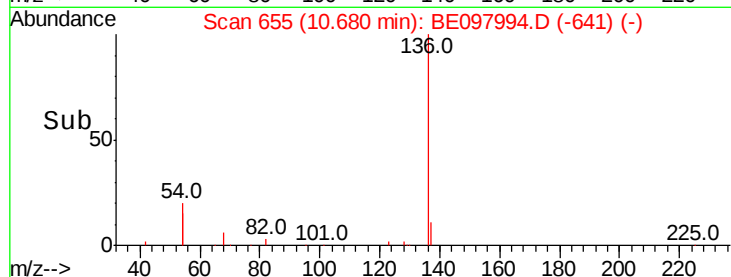
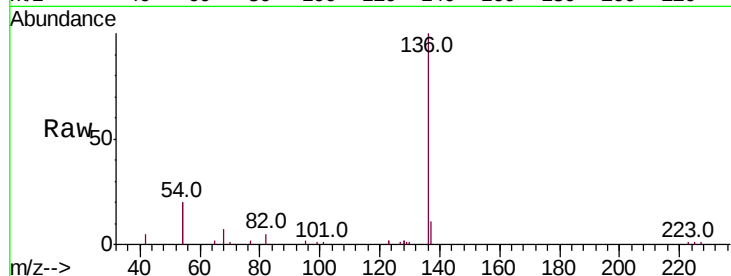
Ion Ratio Lower Upper

136 100

137 11.5 9.6 14.4

54 39.6 27.7 41.5

68 7.0 5.3 7.9



#8

Nitrobenzene-d5

Concen: 0.360 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

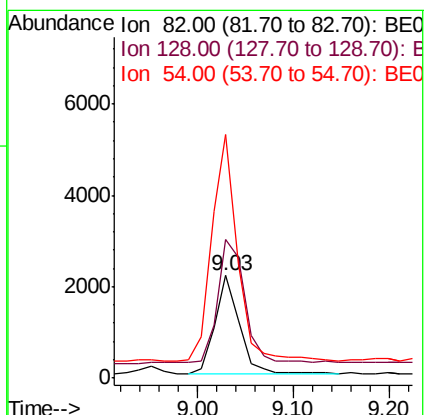
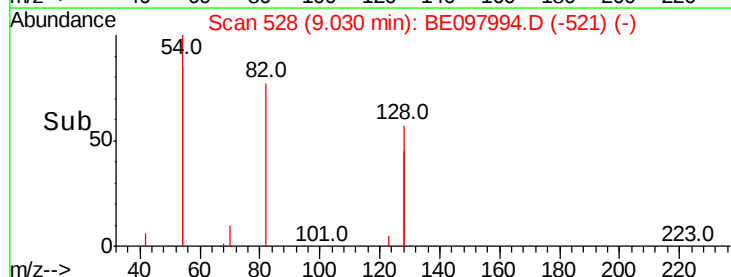
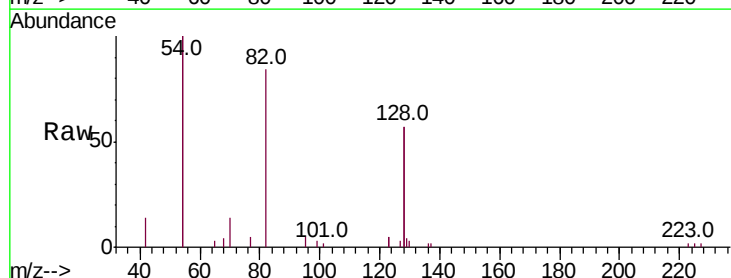
Tgt Ion: 82 Resp: 3792

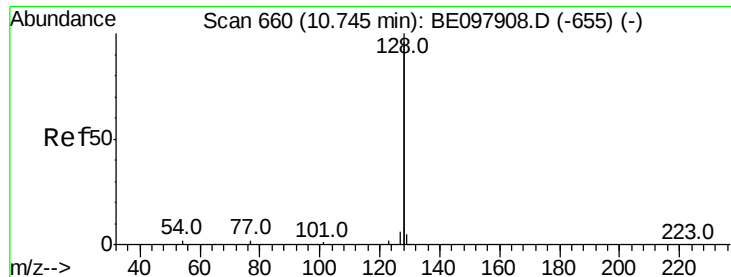
Ion Ratio Lower Upper

82 100

128 135.8 129.9 194.9

54 238.1 174.0 261.0

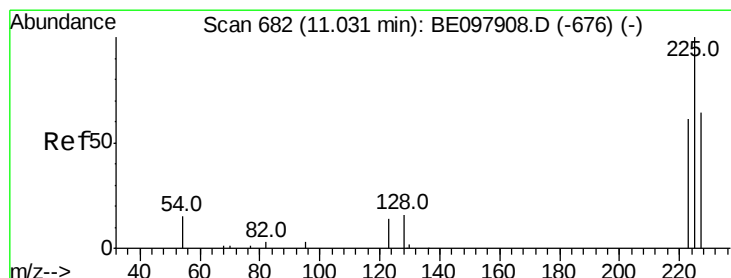
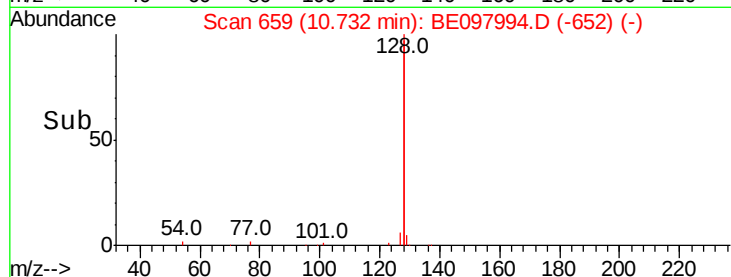
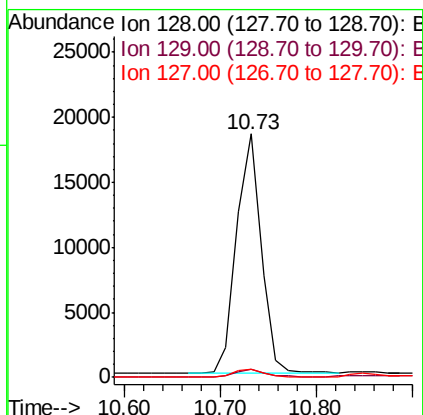
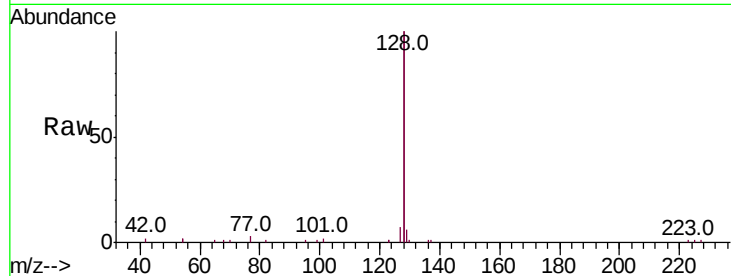




#9
Naphthalene
Concen: 0.293 ng
RT: 10.73 min Scan# 659
Delta R.T. -0.01 min
Lab File: BE097994.D
Acq: 19 Oct 2018 16:38

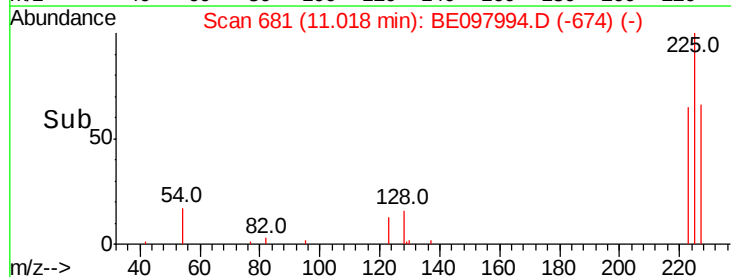
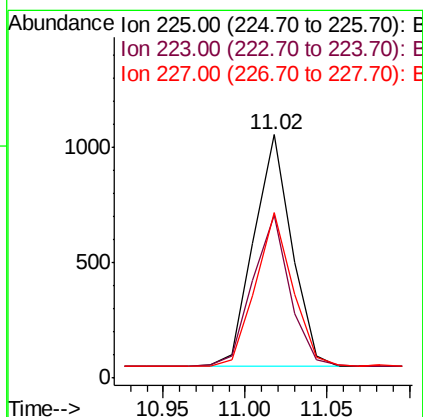
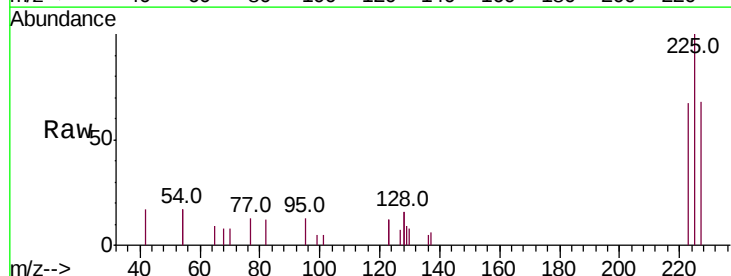
Instrument :
BNA_E
ClientSampled :

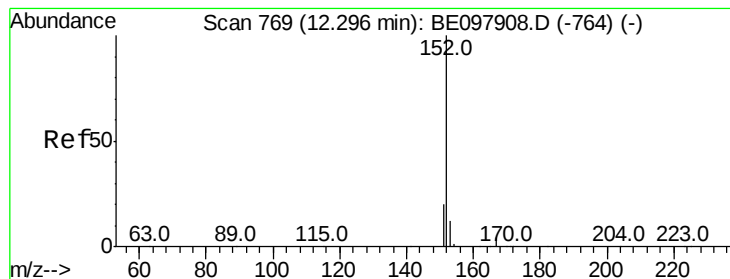
Tot Ion:128 Resp: 32463
Ion Ratio Lower Upper
128 100
129 3.1 2.5 3.7
127 3.5 2.8 4.2



#10
Hexachlorobutadiene
Concen: 0.271 ng
RT: 11.02 min Scan# 681
Delta R.T. -0.01 min
Lab File: BE097994.D
Acq: 19 Oct 2018 16:38

Tgt Ion:225 Resp: 1619
Ion Ratio Lower Upper
225 100
223 64.9 51.8 77.8
227 66.3 53.0 79.6





#11

2-Methylnaphthalene-d10

Concen: 0.374 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

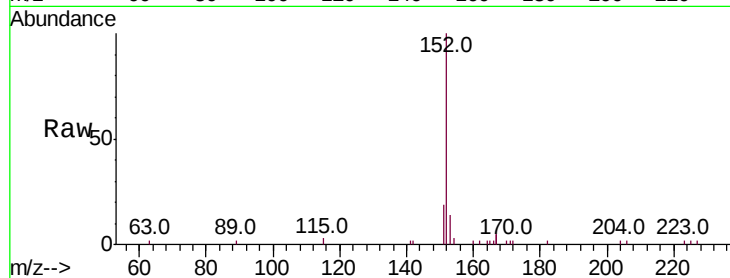
ClientSampleId :

Tot Ion:152 Resp: 6923

Ion Ratio Lower Upper

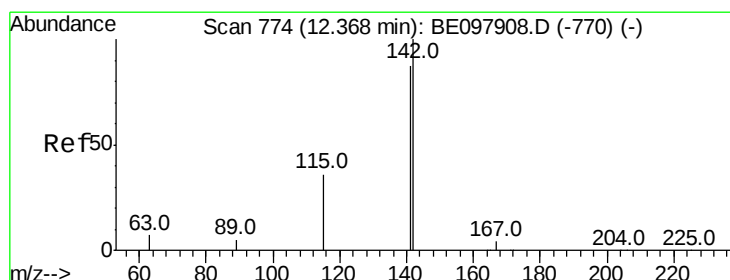
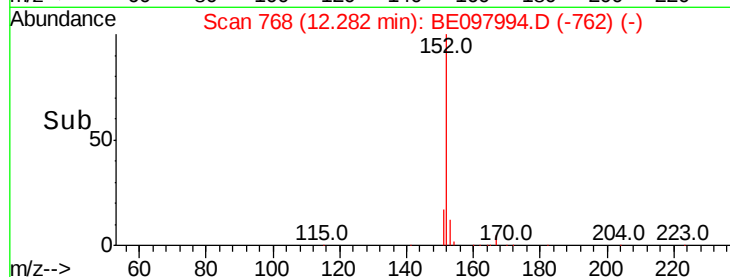
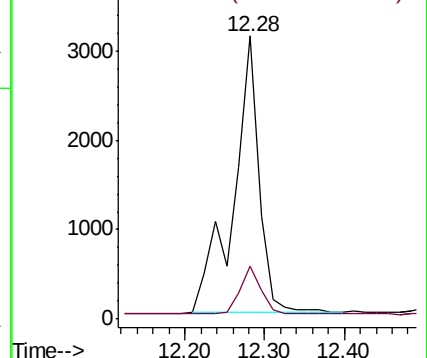
152 100

151 14.2 16.2 24.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.300 ng

RT: 12.35 min Scan# 773

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

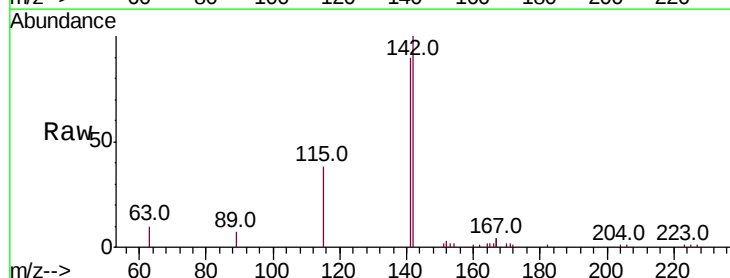
Tgt Ion:142 Resp: 5697

Ion Ratio Lower Upper

142 100

141 90.1 69.8 104.6

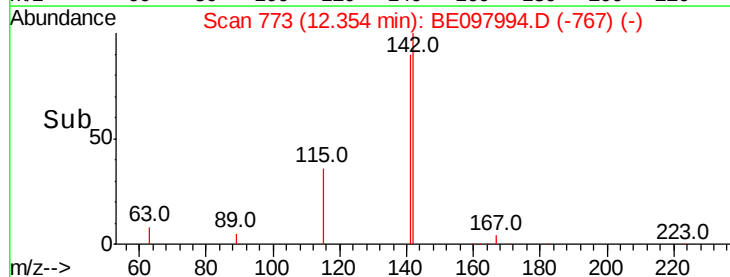
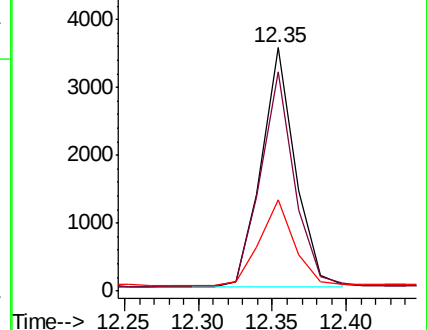
115 37.5 30.5 45.7

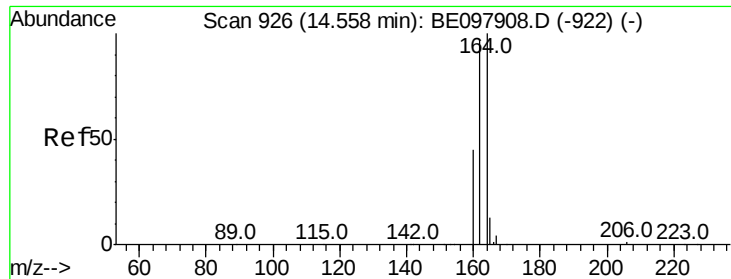


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

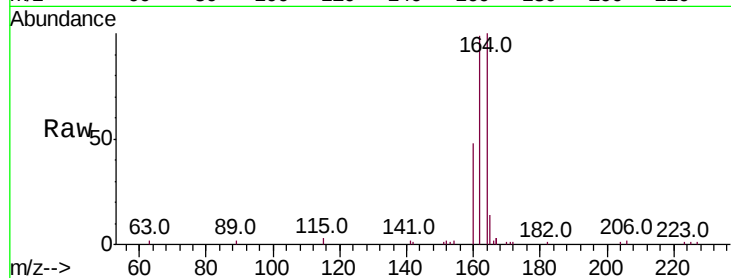




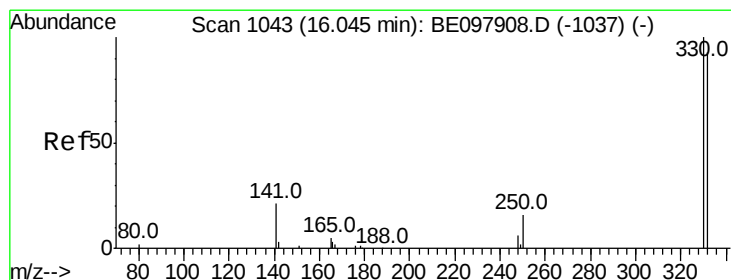
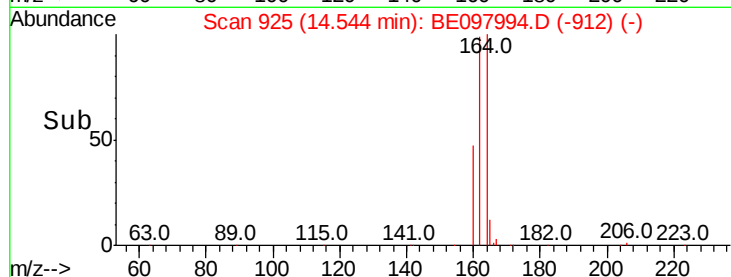
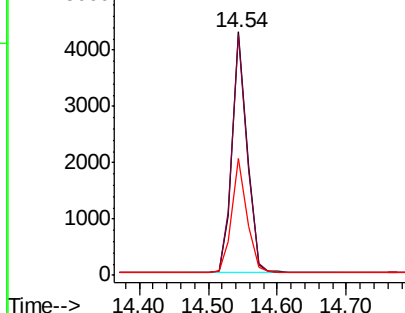
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BE097994.D
 Acq: 19 Oct 2018 16:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 6387
 Ion Ratio Lower Upper
 164 100
 162 98.9 77.4 116.2
 160 47.9 36.5 54.7

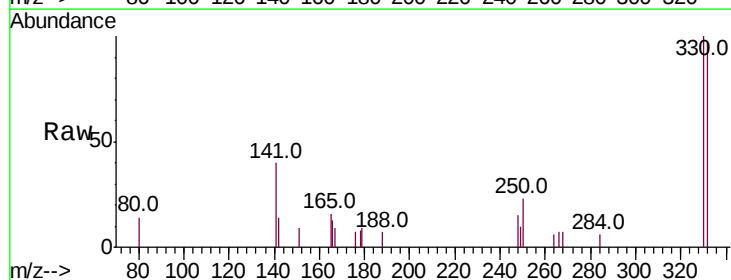


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

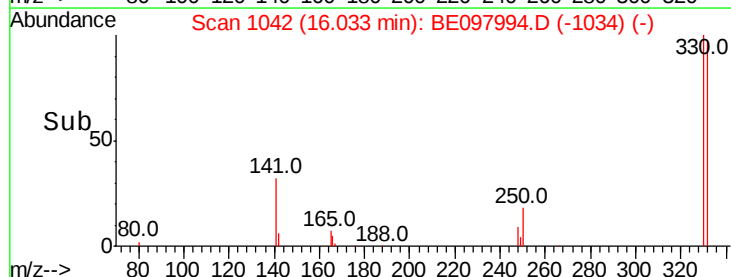
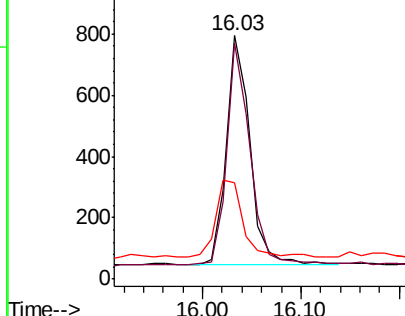


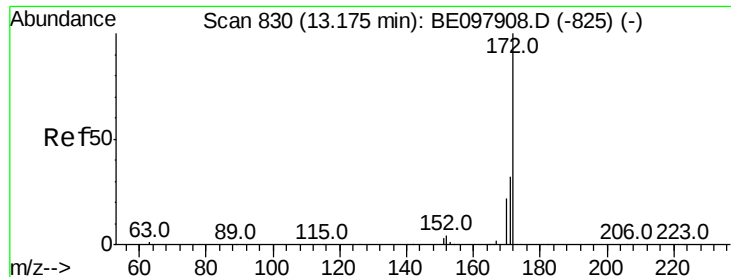
#14
 2,4,6-Tribromophenol
 Concen: 0.358 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BE097994.D
 Acq: 19 Oct 2018 16:38

Tgt Ion:330 Resp: 1231
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.5 114.7
 141 39.6 31.8 47.6



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

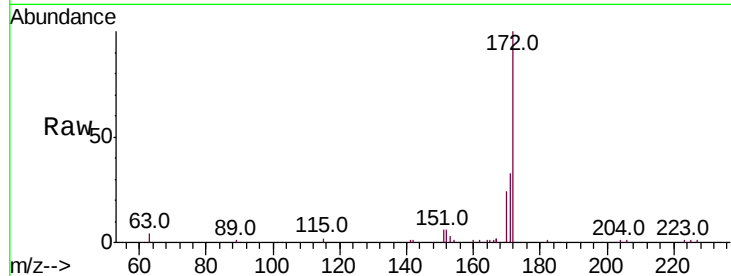




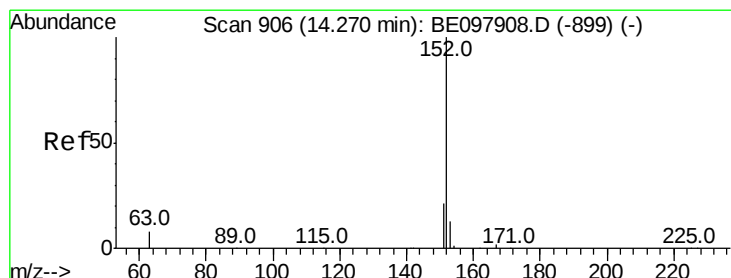
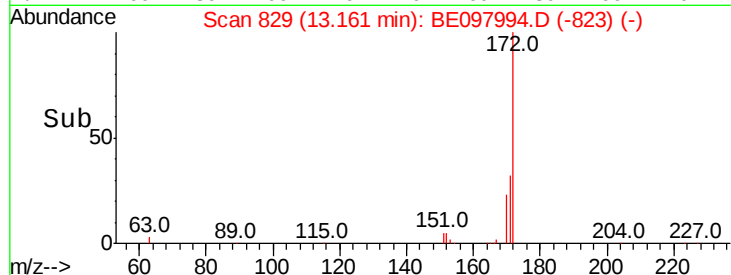
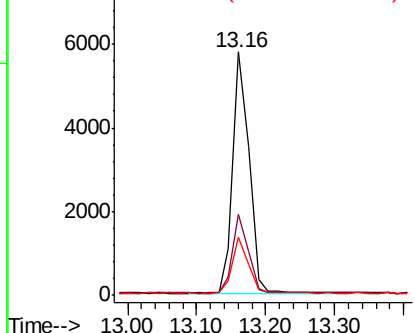
#15
2-Fluorobiphenyl
Concen: 0.357 ng
RT: 13.16 min Scan# 829
Delta R.T. -0.01 min
Lab File: BE097994.D
Acq: 19 Oct 2018 16:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 9330
Ion Ratio Lower Upper
172 100
171 33.2 26.0 39.0
170 24.1 18.0 27.0

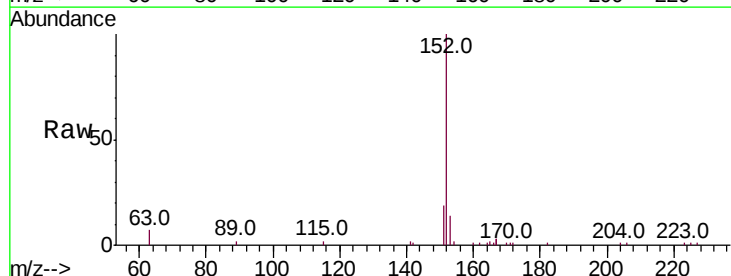


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

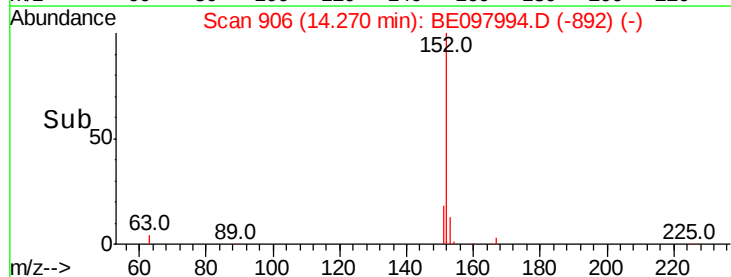
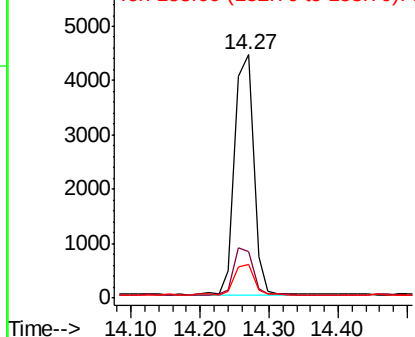


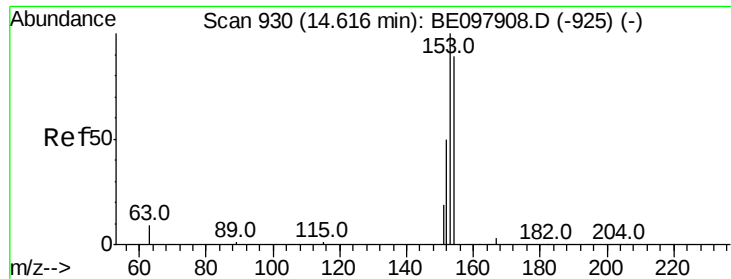
#16
Acenaphthylene
Concen: 0.288 ng
RT: 14.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BE097994.D
Acq: 19 Oct 2018 16:38

Tgt Ion:152 Resp: 8508
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.2 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.265 ng

RT: 14.60 min Scan# 929

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

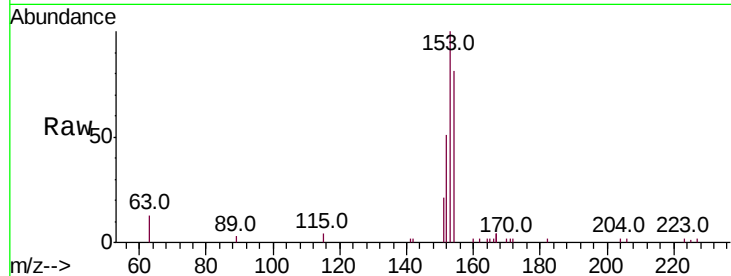
Tot Ion:154 Resp: 4772

Ion Ratio Lower Upper

154 100

153 119.3 92.6 139.0

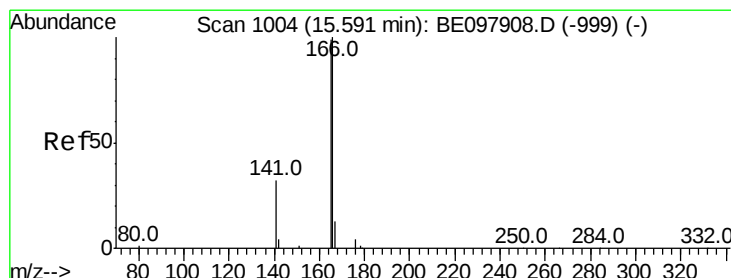
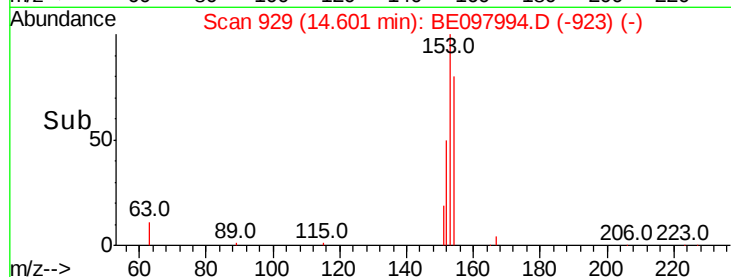
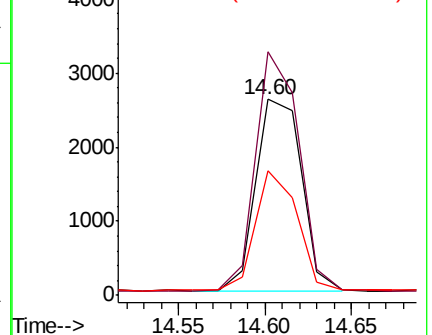
152 58.3 45.5 68.3



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: 0.263 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

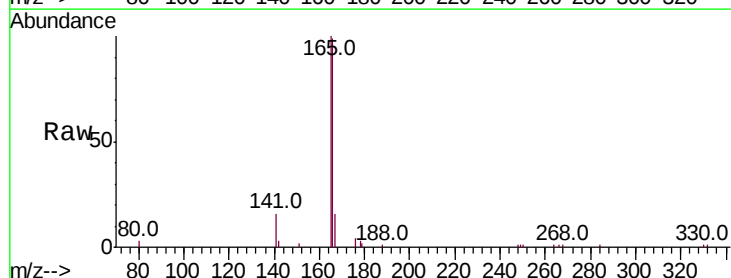
Tgt Ion:166 Resp: 6530

Ion Ratio Lower Upper

166 100

165 98.7 78.2 117.4

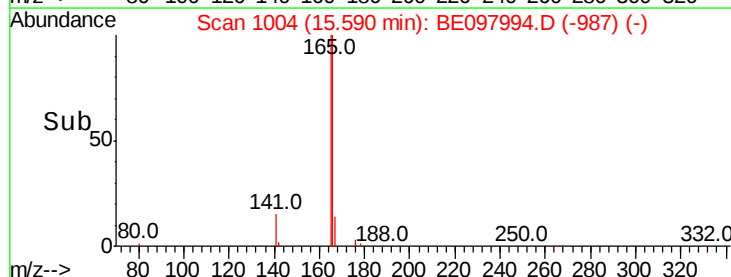
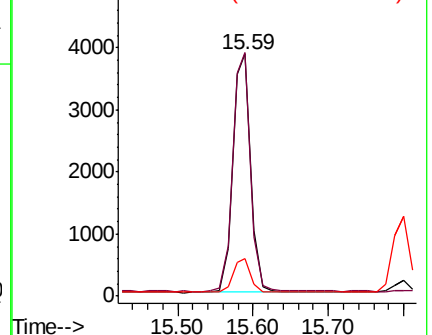
167 14.1 11.0 16.6

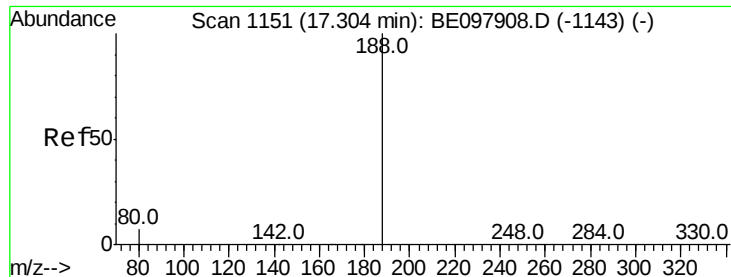


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

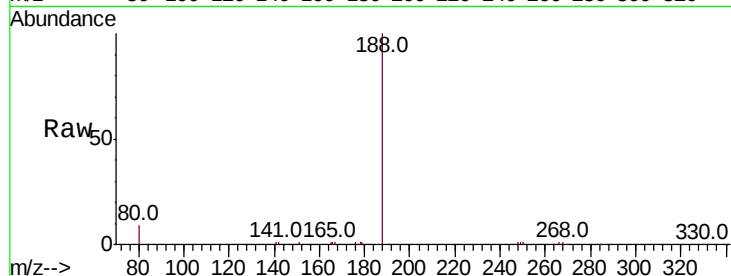
Instrument :

BNA_E

ClientSampled :

Tot Ion:188 Resp: 15685

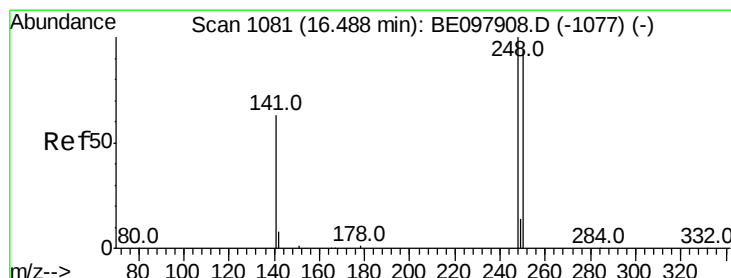
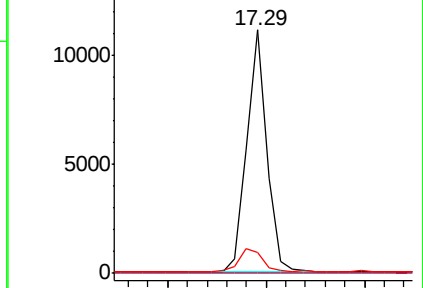
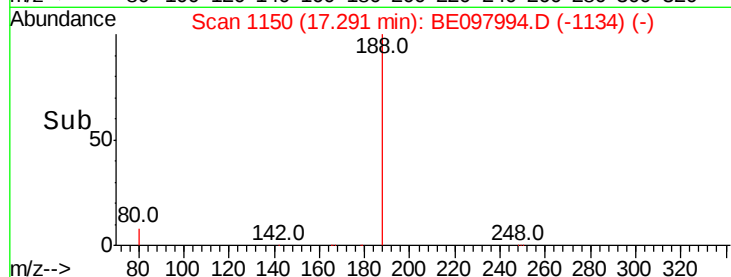
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	6.3	9.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.260 ng

RT: 16.48 min Scan# 1080

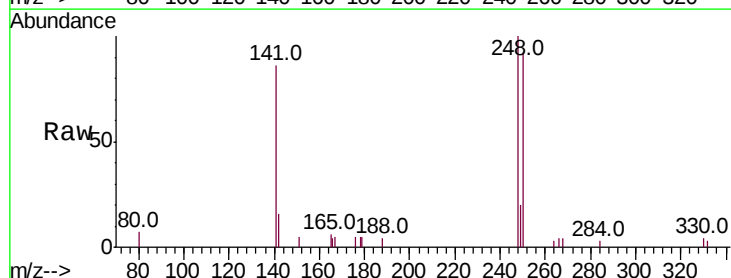
Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Tgt Ion:248 Resp: 2231

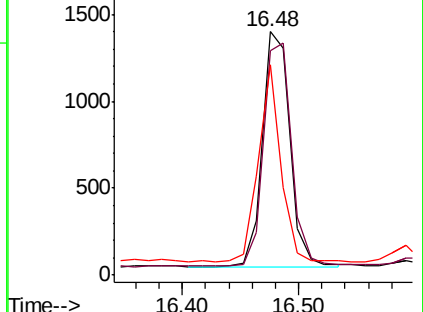
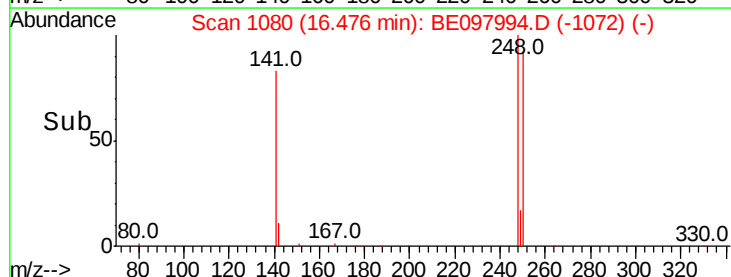
Ion	Ratio	Lower	Upper
248	100		
250	92.0	75.1	112.7
141	86.2	51.8	77.8

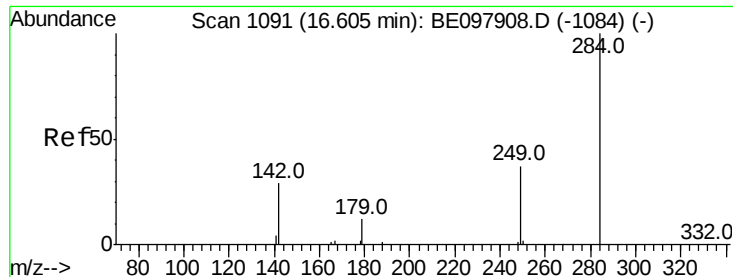


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.262 ng

RT: 16.59 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

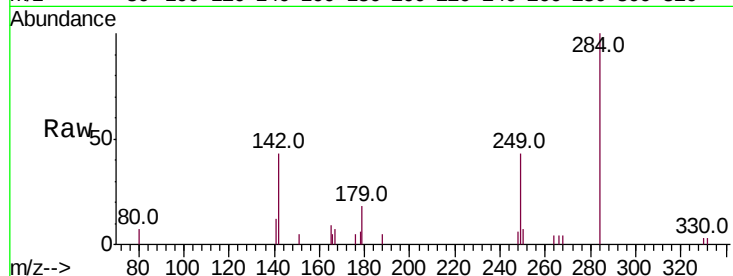
Tot Ion:284 Resp: 2206

Ion Ratio Lower Upper

284 100

142 35.3 25.9 38.9

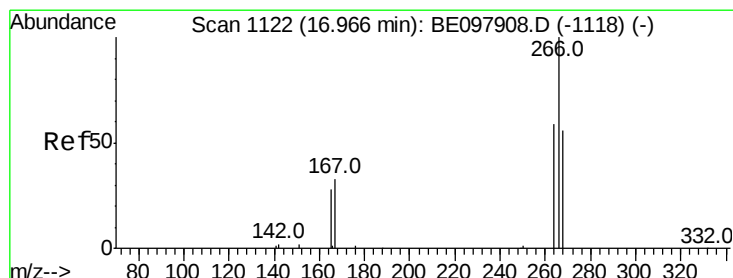
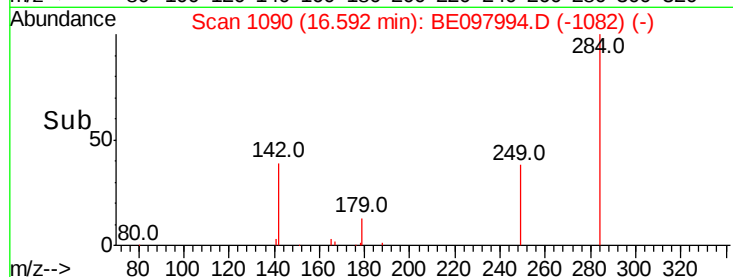
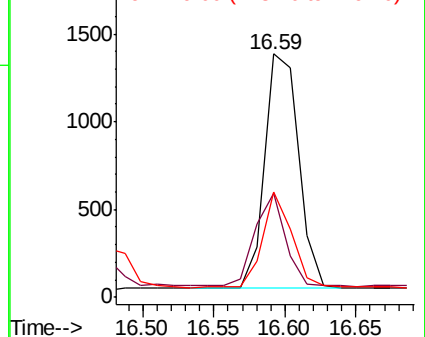
249 36.4 26.6 40.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.783 ng

RT: 16.95 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

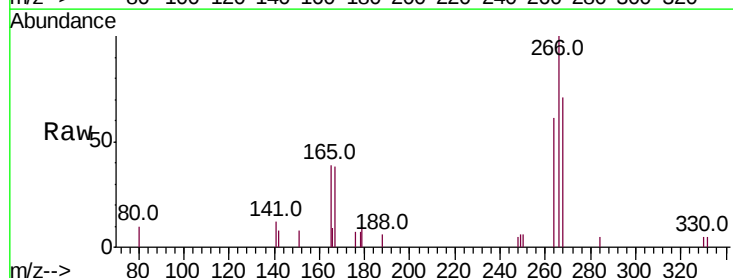
Tgt Ion:266 Resp: 1818

Ion Ratio Lower Upper

266 100

264 60.7 51.3 76.9

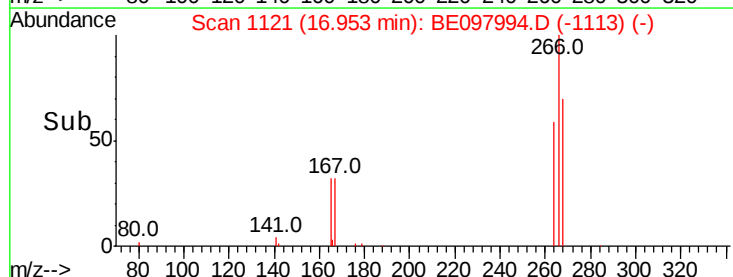
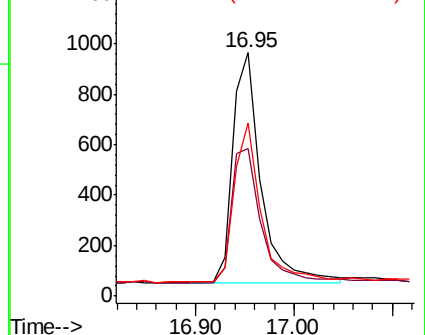
268 71.2 50.1 75.1

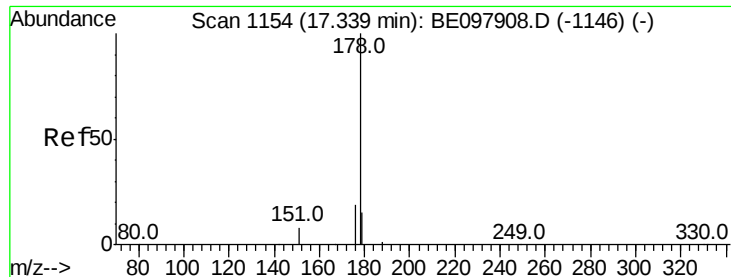


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.285 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

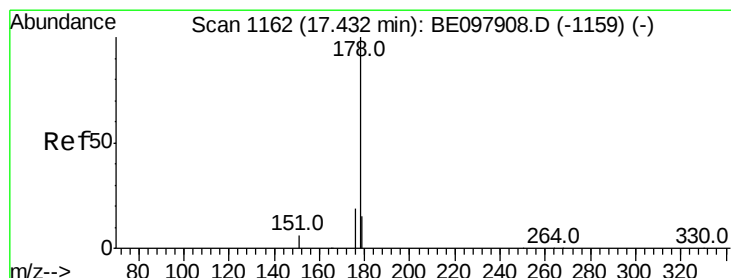
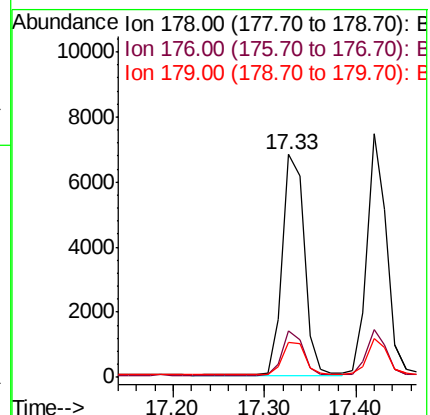
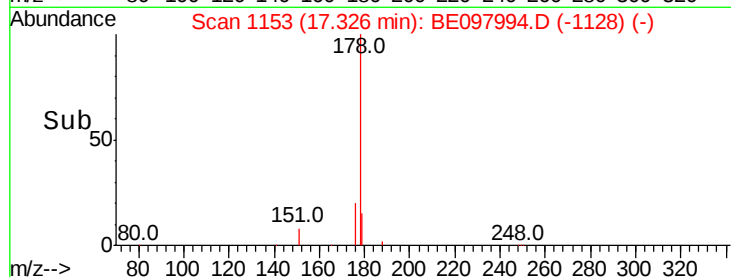
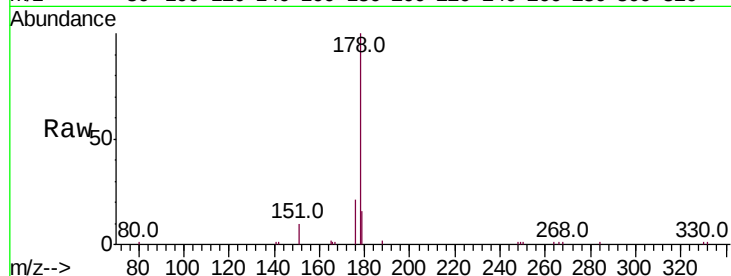
Tot Ion:178 Resp: 11343

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.7 12.2 18.4



#24

Anthracene

Concen: 0.291 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

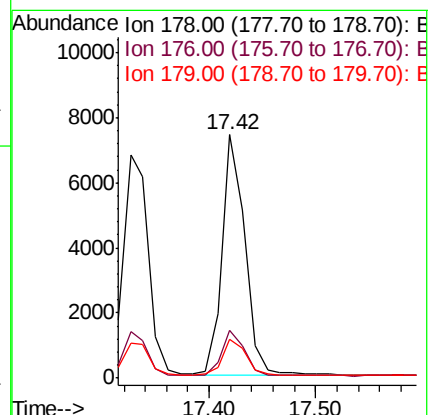
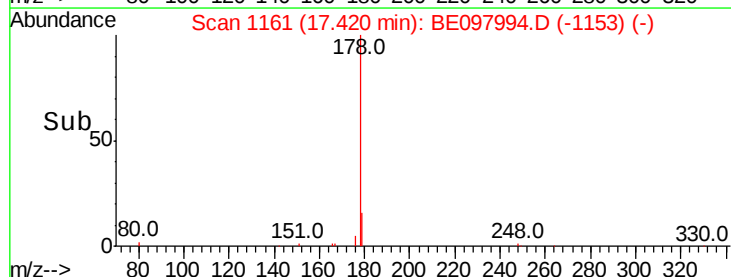
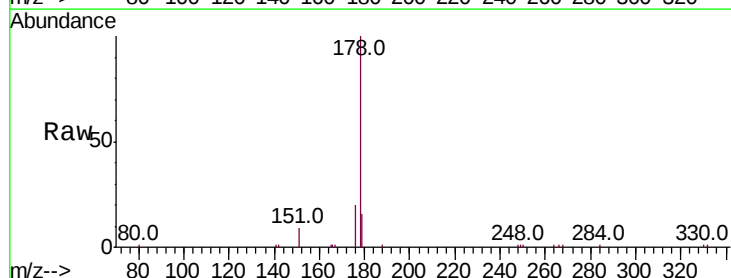
Tgt Ion:178 Resp: 10950

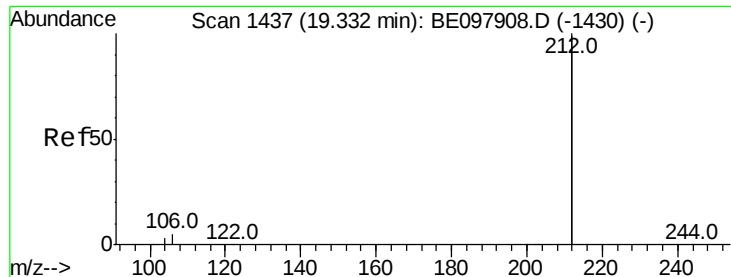
Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.3 11.9 17.9





#25

Fluoranthene-d10

Concen: 0.325 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

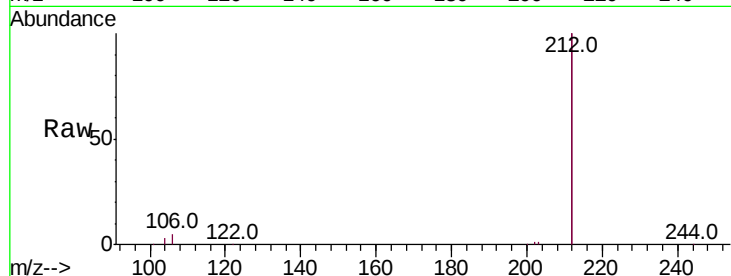
Tot Ion:212 Resp: 69096

Ion Ratio Lower Upper

212 100

106 2.7 2.3 3.5

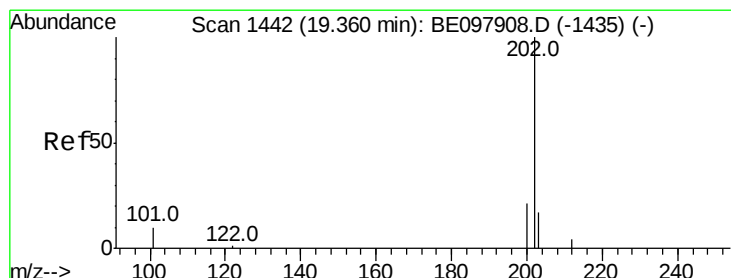
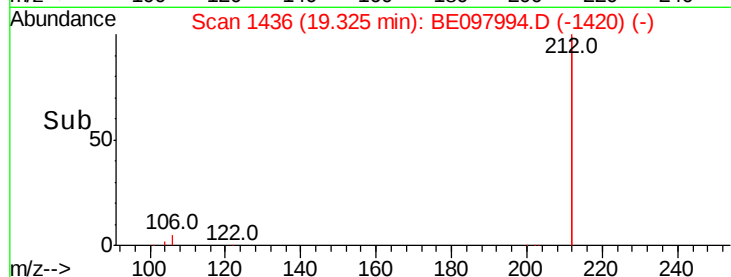
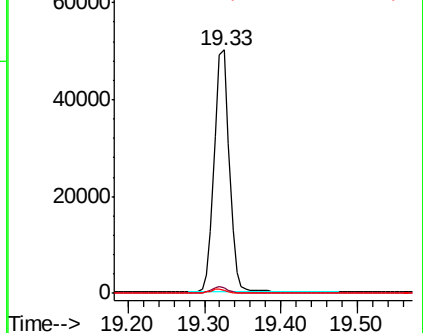
104 1.6 1.3 1.9



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: 0.333 ng

RT: 19.35 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

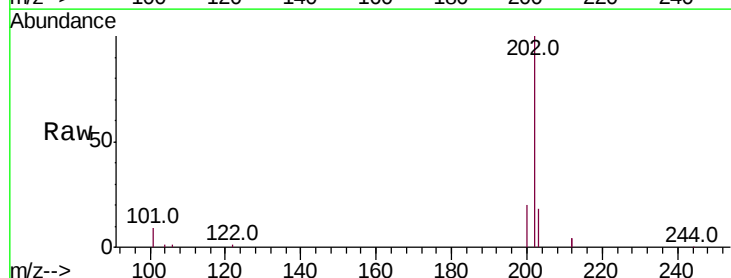
Tgt Ion:202 Resp: 17424

Ion Ratio Lower Upper

202 100

101 10.6 8.2 12.2

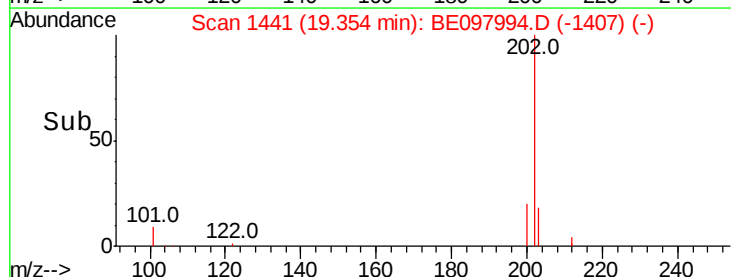
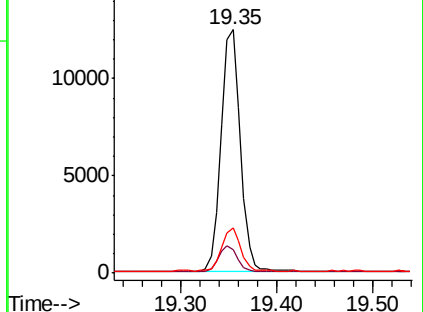
203 17.5 15.0 22.4

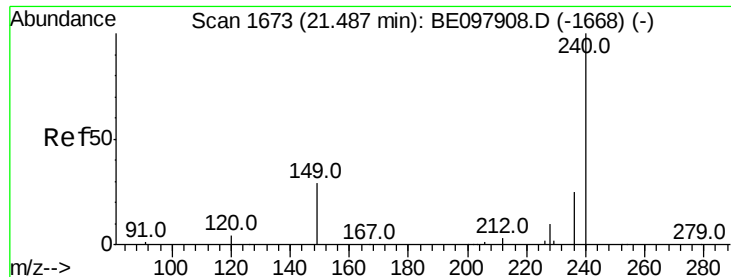


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

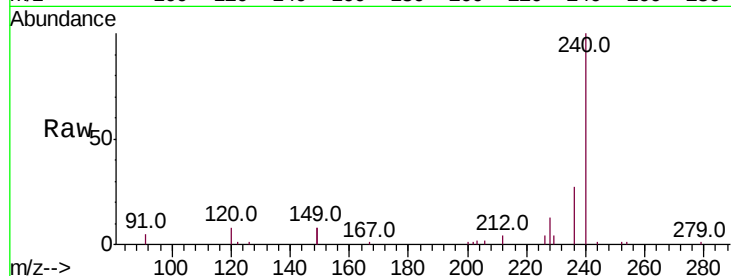




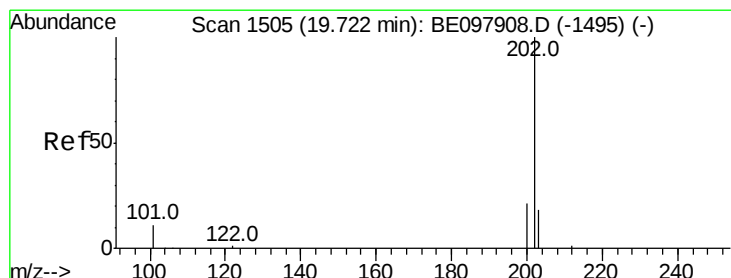
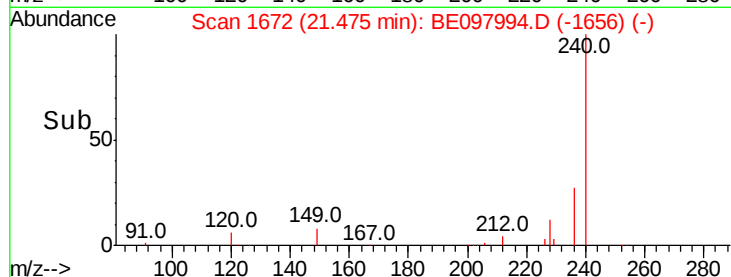
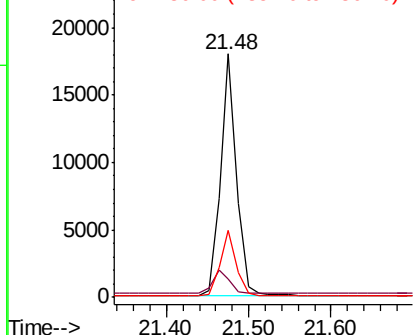
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.48 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BE097994.D
Acq: 19 Oct 2018 16:38

Instrument :
BNA_E
ClientSampled :

Tot Ion:240 Resp: 24447
Ion Ratio Lower Upper
240 100
120 7.5 7.1 10.7
236 27.4 21.3 31.9

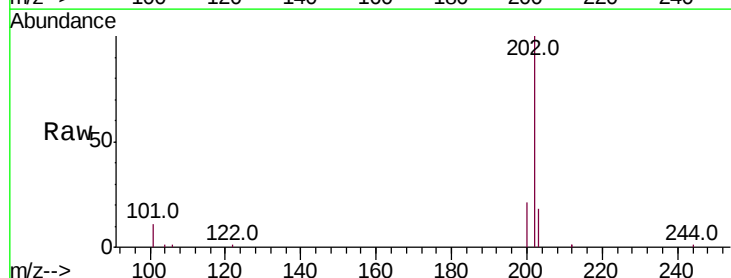


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

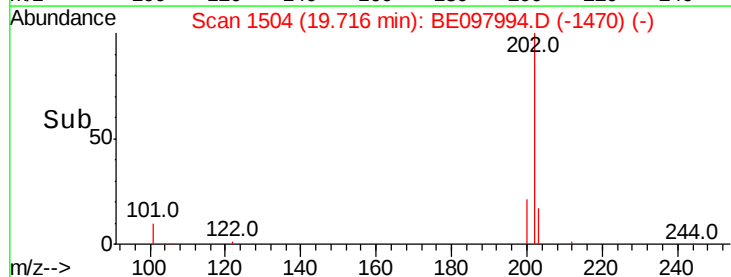
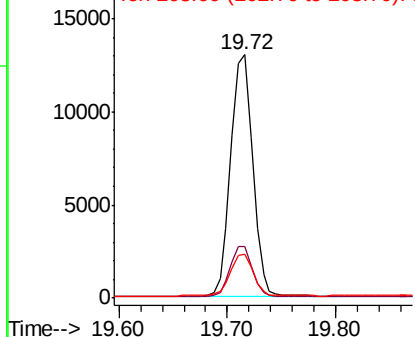


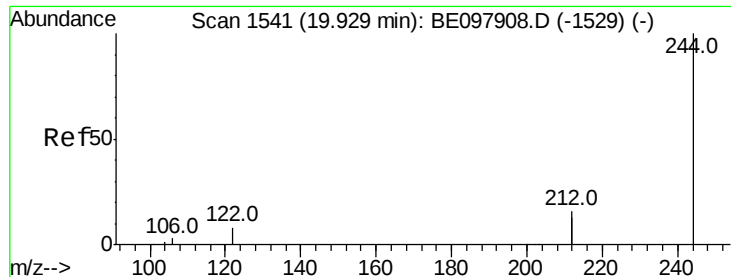
#28
Pyrene
Concen: 0.261 ng
RT: 19.72 min Scan# 1504
Delta R.T. -0.01 min
Lab File: BE097994.D
Acq: 19 Oct 2018 16:38

Tgt Ion:202 Resp: 18428
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 18.4 14.2 21.4



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: 0.462 ng

RT: 19.92 min Scan# 1539

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampled :

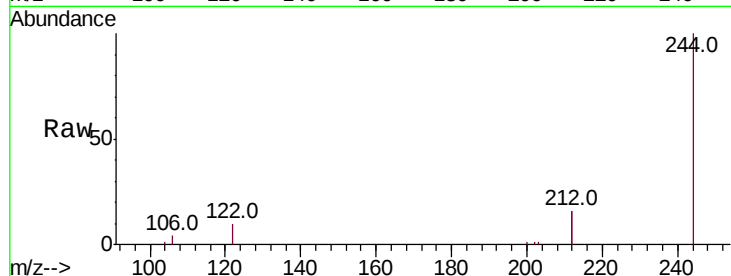
Tot Ion:244 Resp: 25905

Ion Ratio Lower Upper

244 100

212 31.0 26.2 39.2

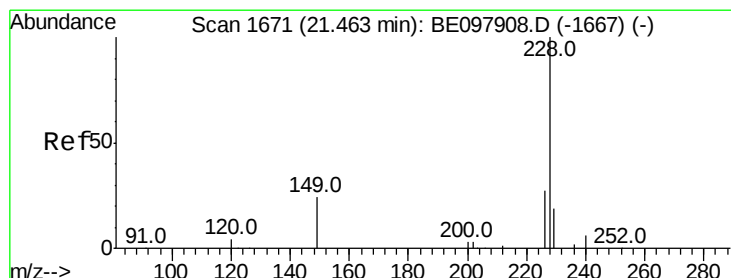
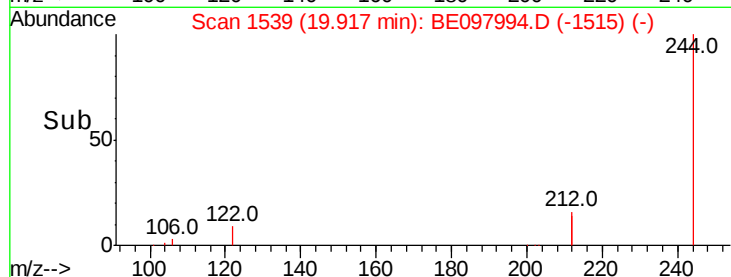
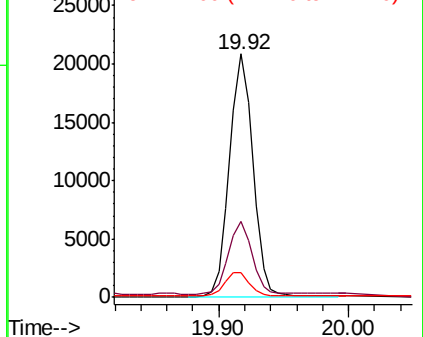
122 9.9 7.7 11.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.293 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

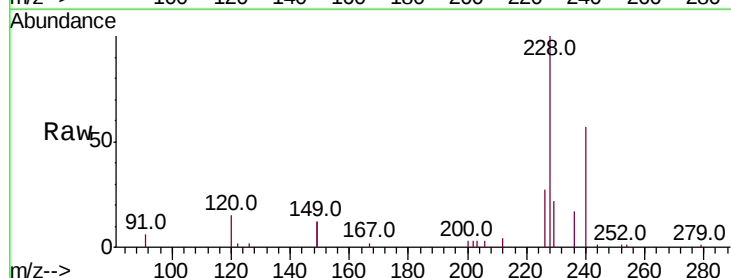
Tgt Ion:228 Resp: 21970

Ion Ratio Lower Upper

228 100

226 26.7 22.6 33.8

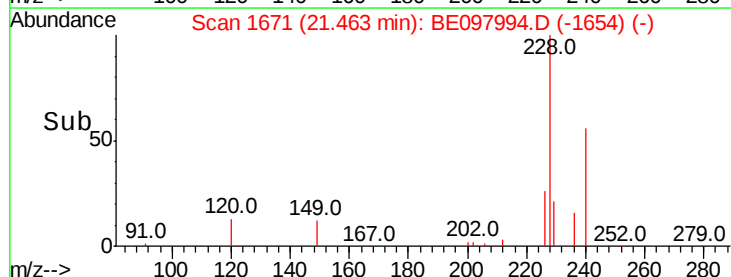
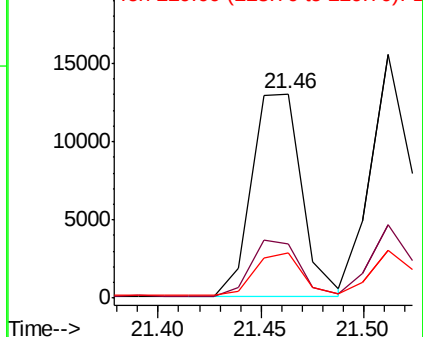
229 21.9 16.9 25.3

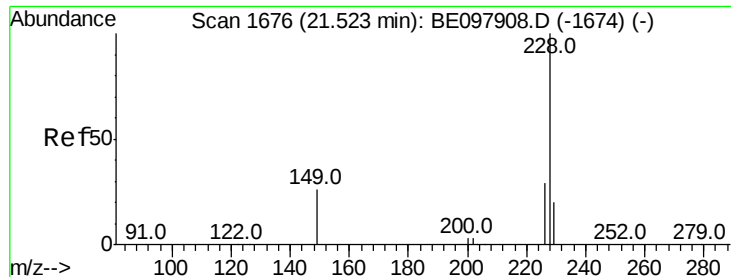


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.297 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampled :

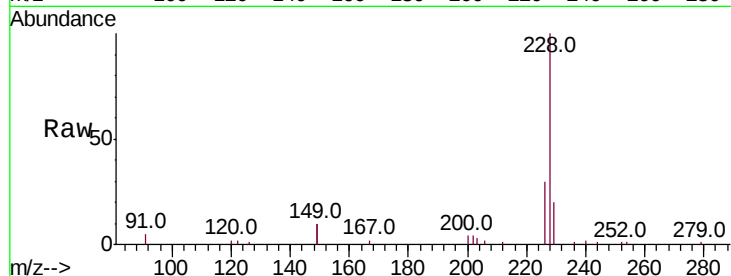
Tot Ion:228 Resp: 21098

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

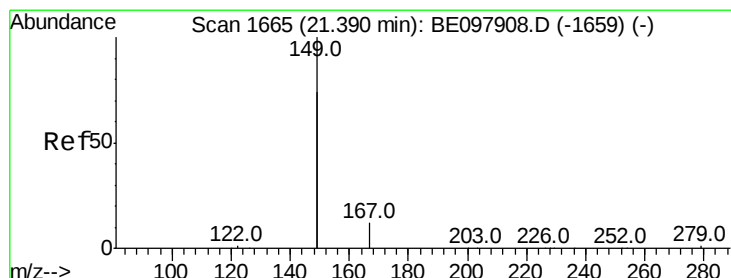
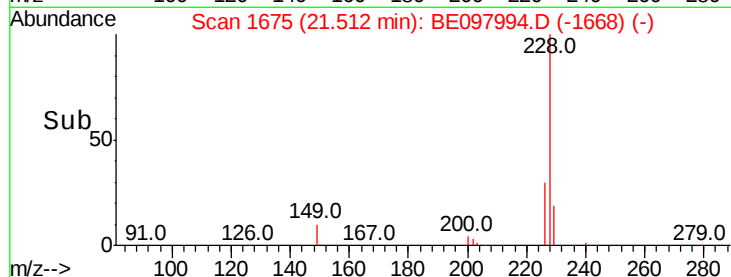
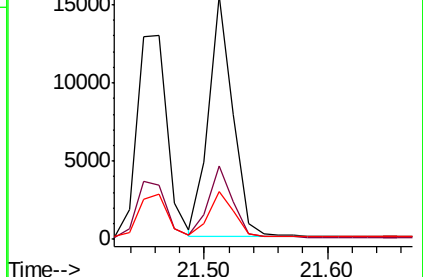
229 19.6 17.3 25.9



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: 0.243 ng

RT: 21.38 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

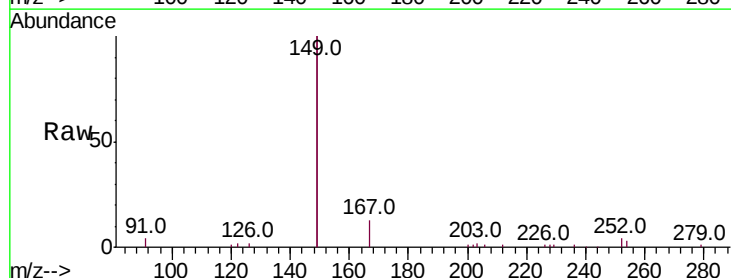
Tgt Ion:149 Resp: 50144

Ion Ratio Lower Upper

149 100

167 6.9 5.6 8.4

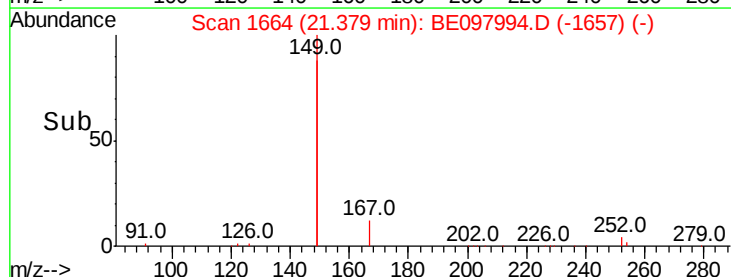
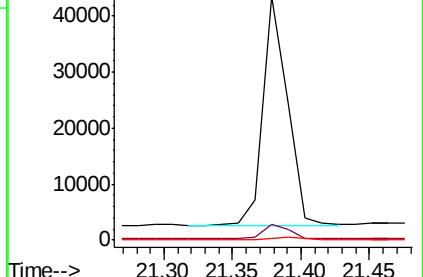
279 1.2 0.9 1.3

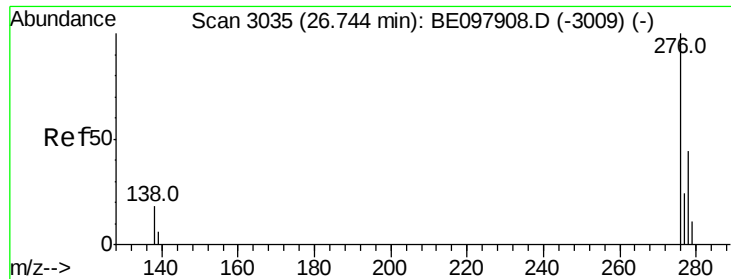


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

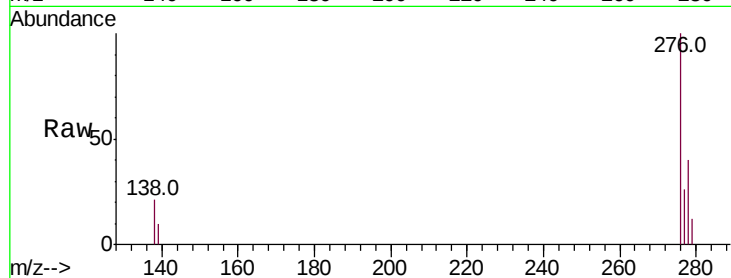




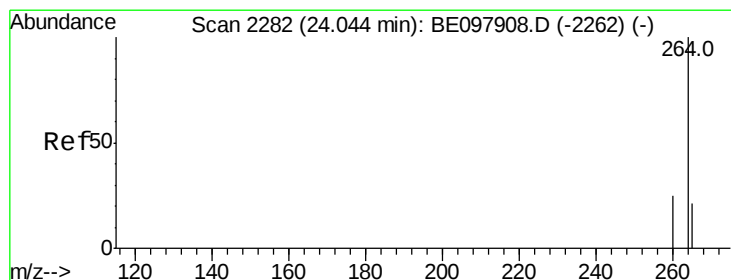
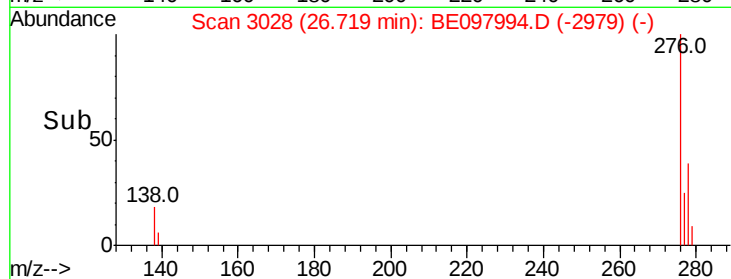
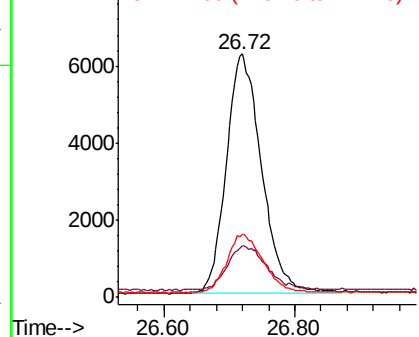
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.256 ng
 RT: 26.72 min Scan# 3028
 Delta R.T. -0.03 min
 Lab File: BE097994.D
 Acq: 19 Oct 2018 16:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 23319
 Ion Ratio Lower Upper
 276 100
 138 20.4 17.0 25.6
 277 25.3 20.5 30.7

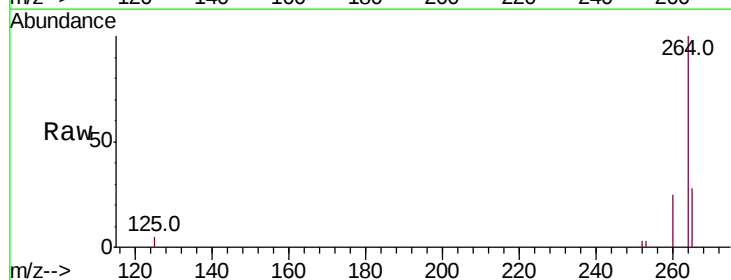


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

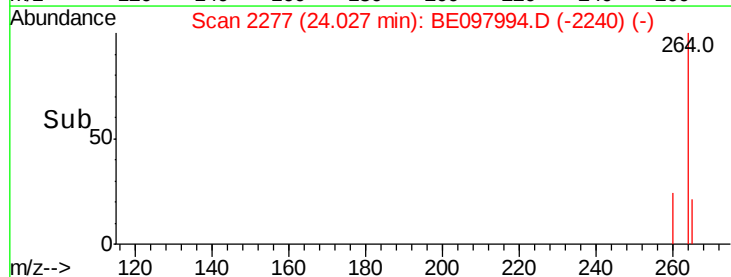
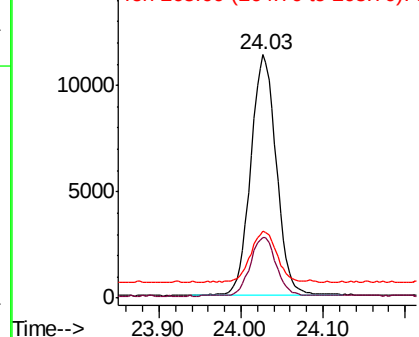


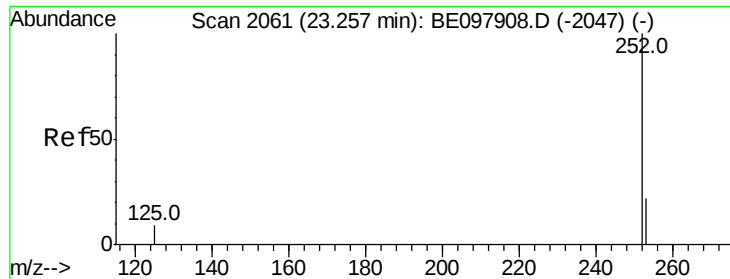
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.03 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BE097994.D
 Acq: 19 Oct 2018 16:38

Tgt Ion:264 Resp: 24620
 Ion Ratio Lower Upper
 264 100
 260 24.7 21.1 31.7
 265 27.7 29.2 43.8#



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.295 ng

RT: 23.24 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

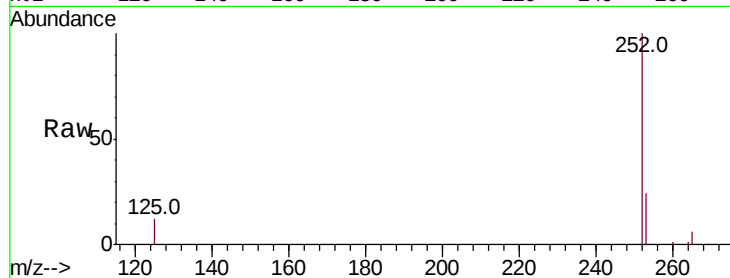
Tot Ion:252 Resp: 20918

Ion Ratio Lower Upper

252 100

253 23.9 20.6 31.0

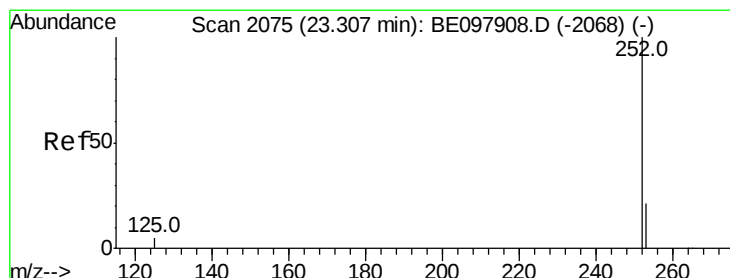
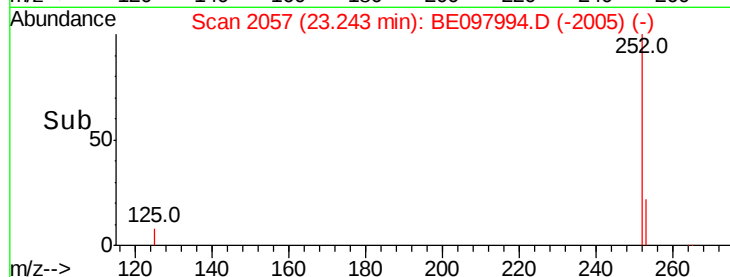
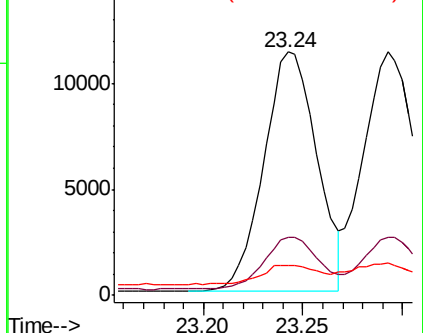
125 12.4 14.3 21.5#



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: 0.290 ng

RT: 23.29 min Scan# 2071

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

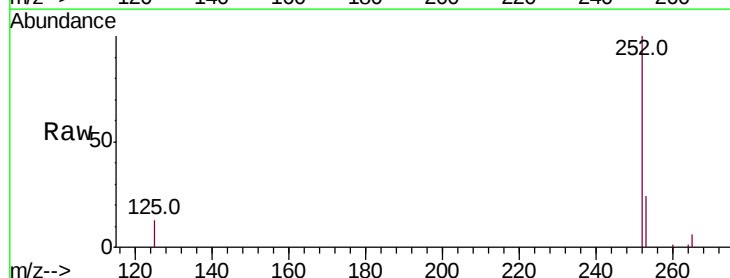
Tgt Ion:252 Resp: 21391

Ion Ratio Lower Upper

252 100

253 23.9 20.4 30.6

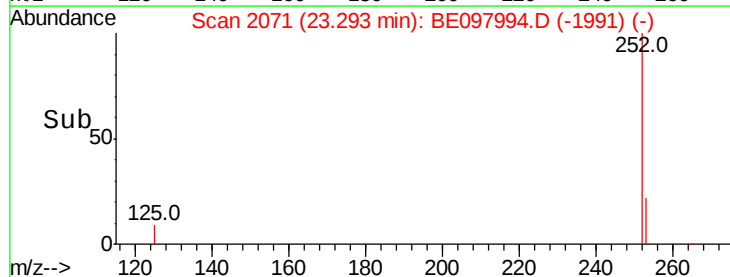
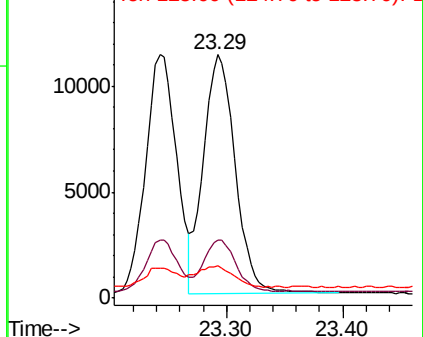
125 13.2 14.6 21.8#

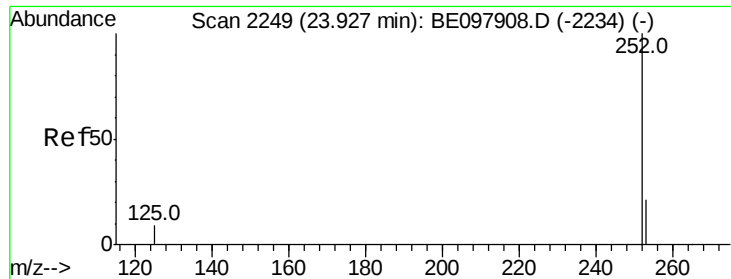


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.299 ng

RT: 23.91 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :

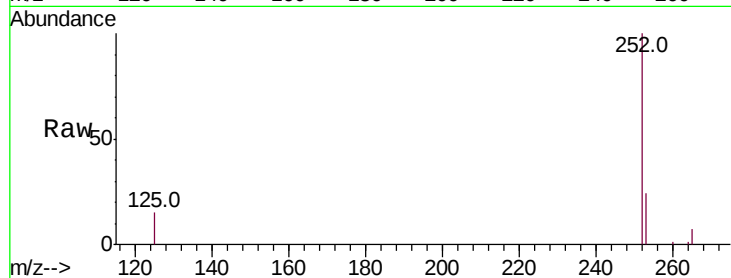
Tot Ion:252 Resp: 20656

Ion Ratio Lower Upper

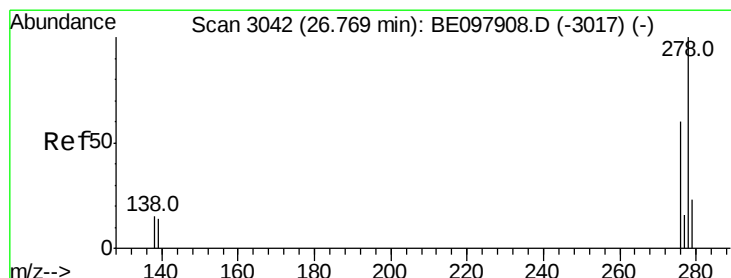
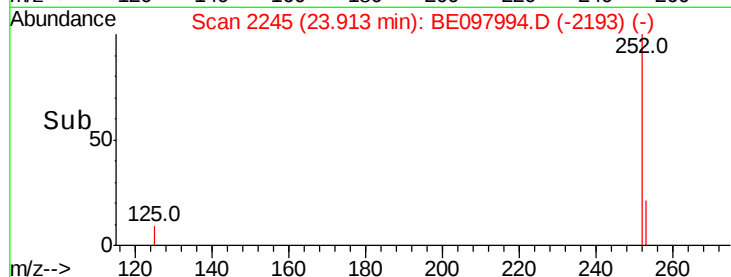
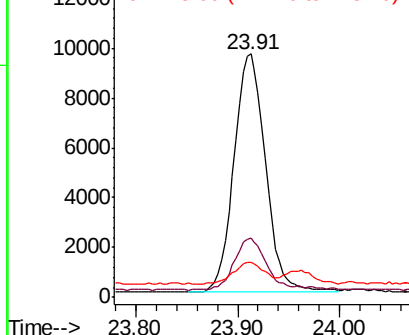
252 100

253 24.3 20.6 31.0

125 14.6 15.6 23.4#



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: 0.286 ng

RT: 26.75 min Scan# 3036

Delta R.T. -0.02 min

Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

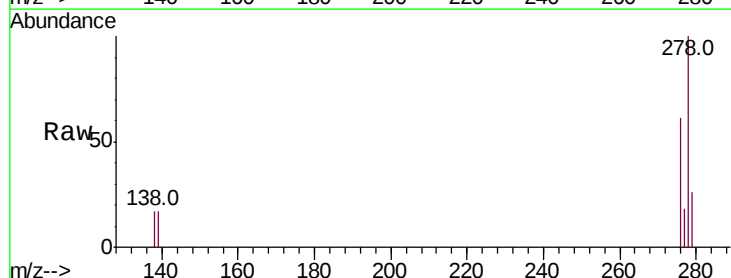
Tgt Ion:278 Resp: 19374

Ion Ratio Lower Upper

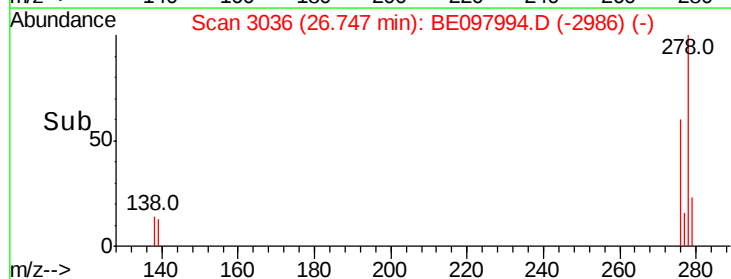
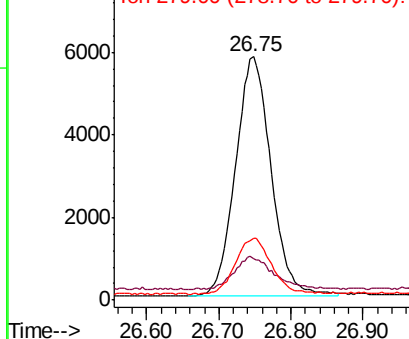
278 100

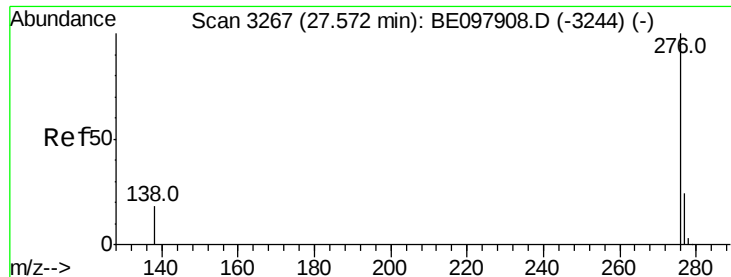
139 17.2 16.3 24.5

279 25.5 21.4 32.2



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: 0.284 ng

RT: 27.55 min Scan# 3262

Delta R.T. -0.02 min

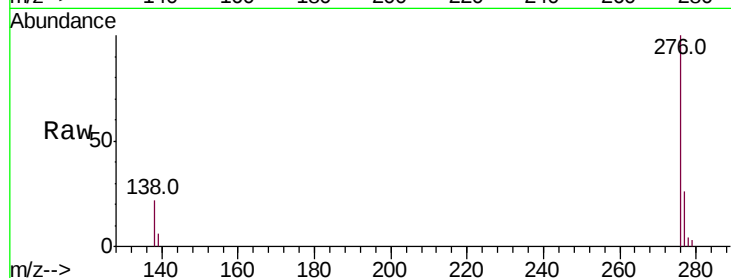
Lab File: BE097994.D

Acq: 19 Oct 2018 16:38

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 19693

Ion Ratio Lower Upper

276 100

277 26.1 22.1 33.1

138 21.6 19.3 28.9

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

