

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097619.D
 Acq On : 21 Sep 2018 19:43
 Operator : SJ/JU
 Sample : PB112884BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB112884BSD

Quant Time: Sep 22 04:09:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1135	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4751	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2287	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	5319	0.40	ng	0.01
27) Chrysene-d12	20.97	240	7016	0.40	ng	0.00
34) Perylene-d12	23.21	264	7596	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	1166	0.34	ng	0.01
5) Phenol-d6	6.62	99	1337	0.31	ng	0.01
8) Nitrobenzene-d5	8.53	82	1361	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3294	0.50	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	191	0.27	ng	0.01
15) 2-Fluorobiphenyl	12.62	172	3738	0.46	ng	0.00
25) Fluoranthene-d10	18.80	212	24273	0.36	ng	0.00
29) Terphenyl-d14	19.42	244	4230	0.33	ng	0.00

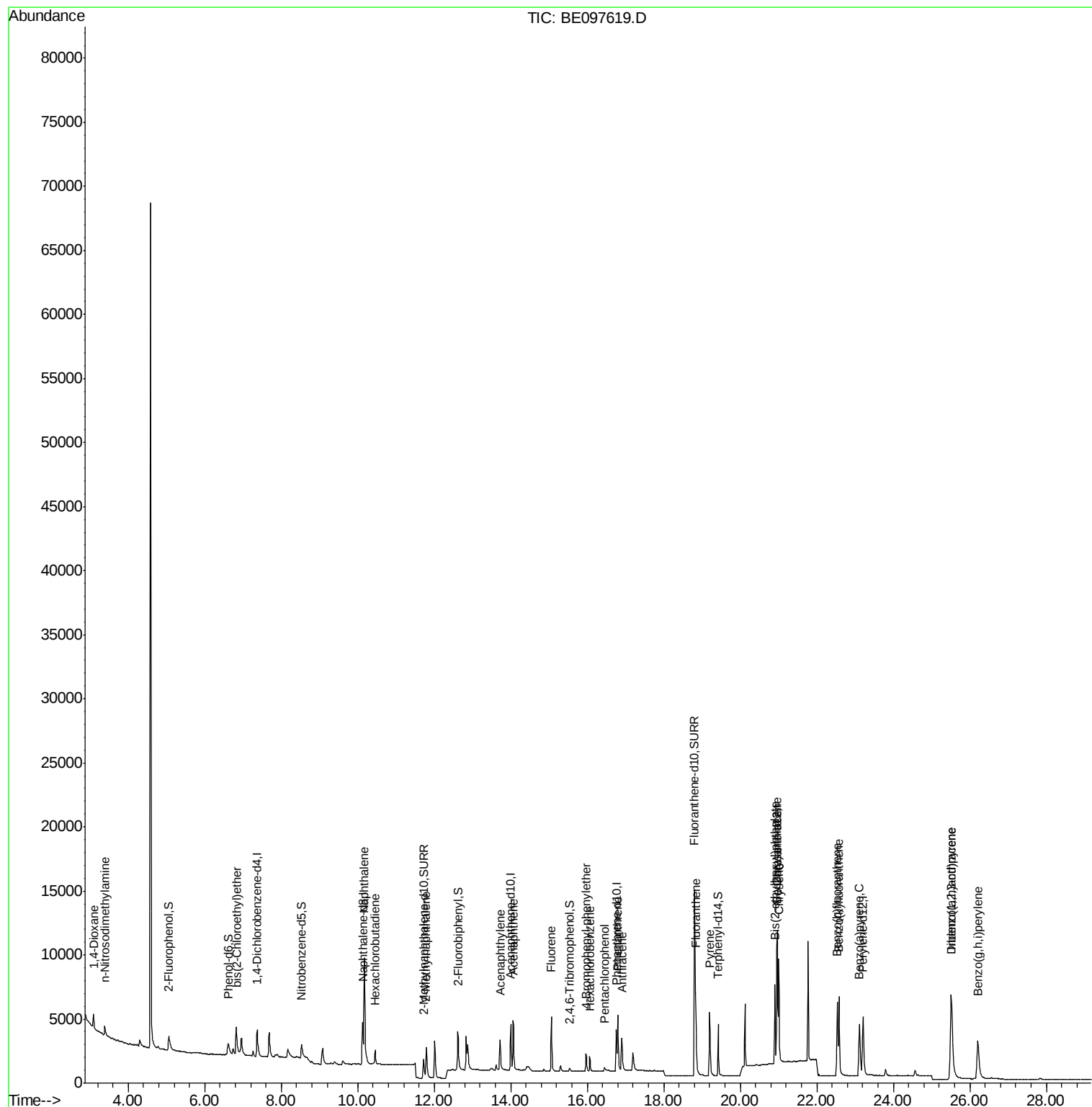
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	635	0.319	ng	# 71
3) n-Nitrosodimethylamine	3.38	42	624	0.379	ng	# 95
6) bis(2-Chloroethyl)ether	6.84	93	1272	0.315	ng	83
9) Naphthalene	10.17	128	17544	0.410	ng	100
10) Hexachlorobutadiene	10.46	225	750	0.380	ng	95
12) 2-Methylnaphthalene	11.80	142	2608	0.391	ng	99
16) Acenaphthylene	13.73	152	3390	0.375	ng	99
17) Acenaphthene	14.06	154	2312	0.381	ng	96
18) Fluorene	15.06	166	2967	0.375	ng	# 80
20) 4-Bromophenyl-phenylether	15.96	248	896	0.374	ng	# 81
21) Hexachlorobenzene	16.07	284	1080	0.410	ng	# 85
22) Pentachlorophenol	16.45	266	281	0.367	ng	# 81
23) Phenanthrene	16.80	178	4936	0.391	ng	99
24) Anthracene	16.91	178	4161	0.373	ng	96
26) Fluoranthene	18.84	202	5912	0.337	ng	98
28) Pyrene	19.20	202	5966	0.374	ng	100
30) Benzo(a)anthracene	20.95	228	6649	0.376	ng	96
31) Chrysene	21.00	228	7924	0.418	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	6842	0.241	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.51	276	10687	0.468	ng	# 94
35) Benzo(b)fluoranthene	22.53	252	7861	0.404	ng	# 89
36) Benzo(k)fluoranthene	22.58	252	9442	0.425	ng	94
37) Benzo(a)pyrene	23.11	252	8073	0.427	ng	# 92
38) Dibenzo(a,h)anthracene	25.53	278	8782	0.430	ng	# 95
39) Benzo(g,h,i)perylene	26.21	276	8638	0.435	ng	# 90

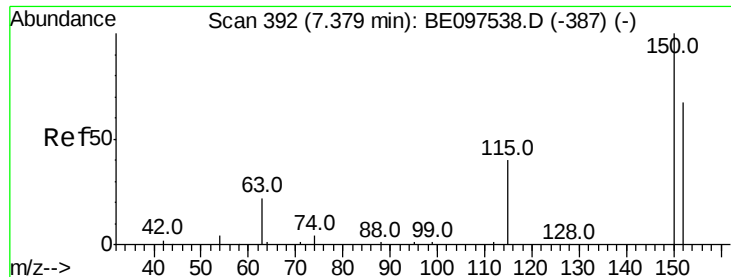
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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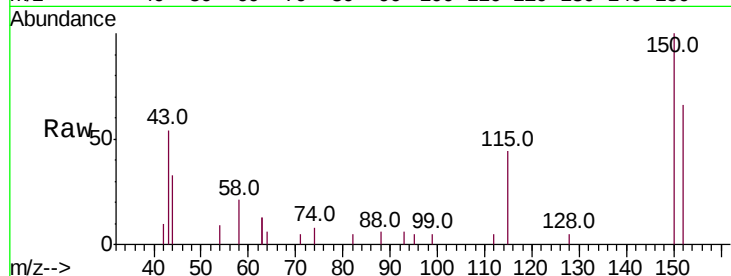


#1

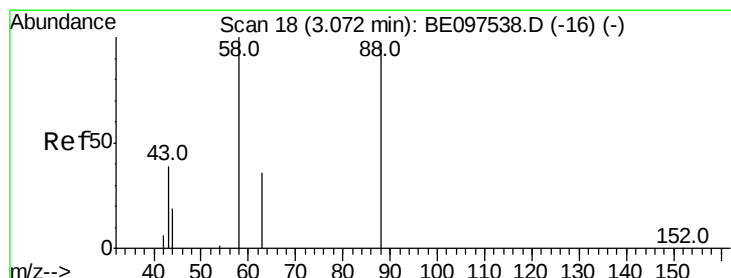
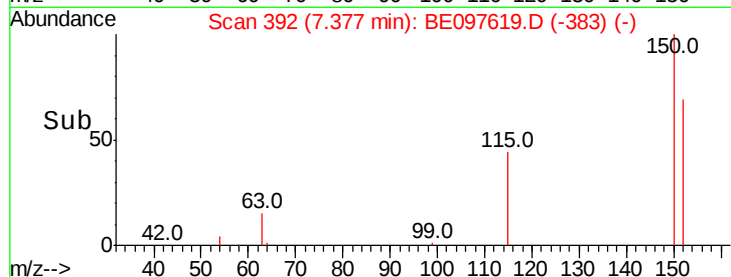
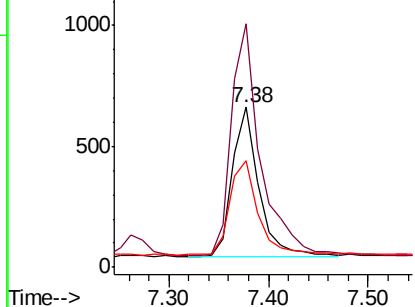
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tot Ion:152 Resp: 1135
Ion Ratio Lower Upper
152 100
150 152.1 117.2 175.8
115 66.9 57.0 85.6



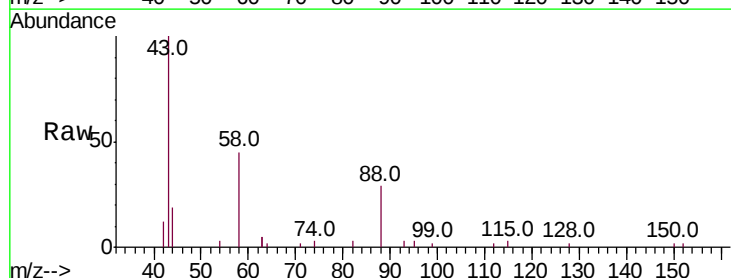
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



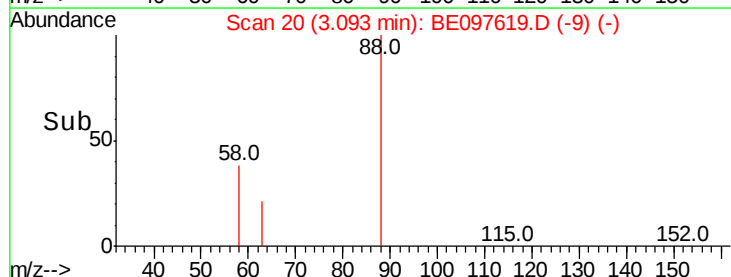
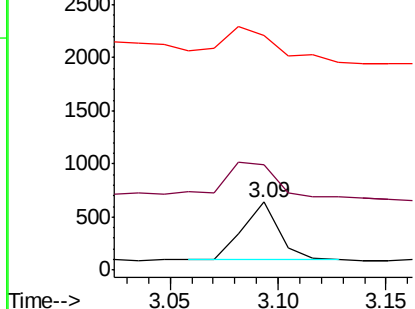
#2

1,4-Dioxane
Concen: 0.319 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.02 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion: 88 Resp: 635
Ion Ratio Lower Upper
88 100
58 85.7 63.2 94.8
43 95.1 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

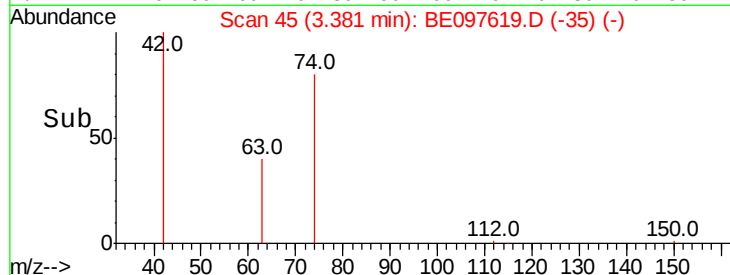
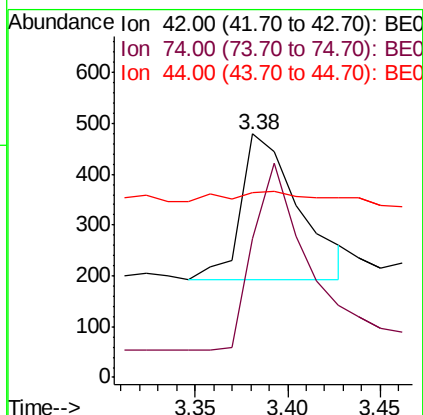
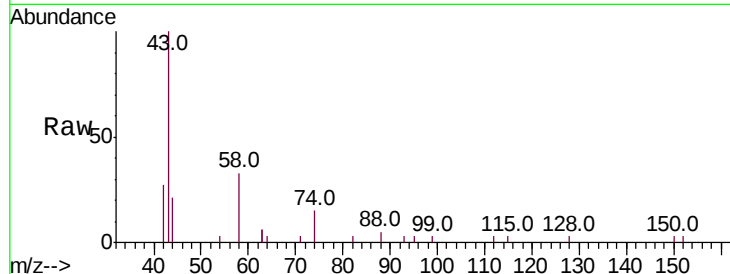




#3
n-Nitrosodimethylamine
Concen: 0.379 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

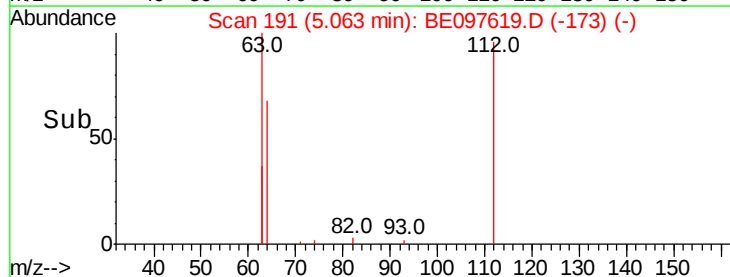
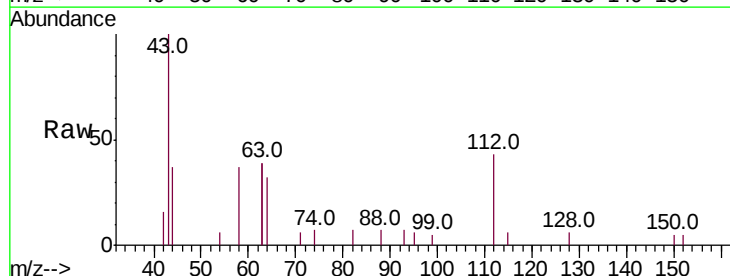
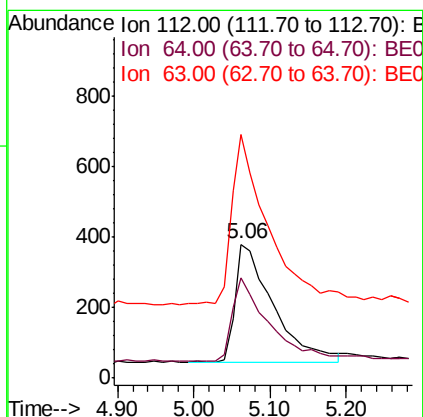
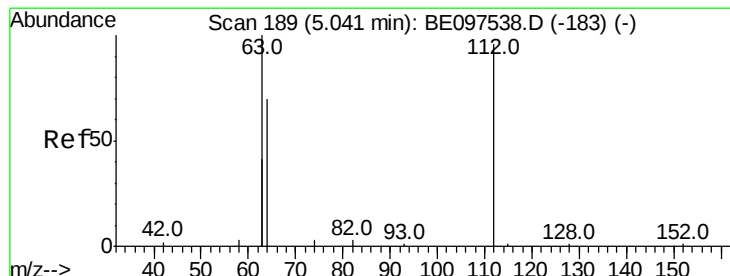
Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tot Ion: 42 Resp: 624
Ion Ratio Lower Upper
42 100
74 116.2 96.0 144.0
44 9.5 12.0 18.0#



#4
2-Fluorophenol
Concen: 0.343 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion: 112 Resp: 1166
Ion Ratio Lower Upper
112 100
64 67.5 60.1 90.1
63 140.1 116.8 175.2





#5

Phenol-d6

Concen: 0.307 ng

RT: 6.62 min Scan# 326

Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

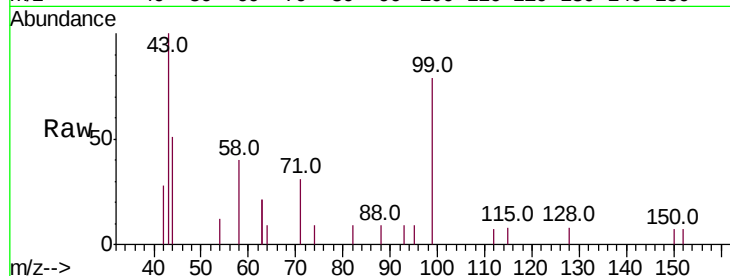
Tot Ion: 99 Resp: 1337

Ion Ratio Lower Upper

99 100

42 20.3 20.2 30.2

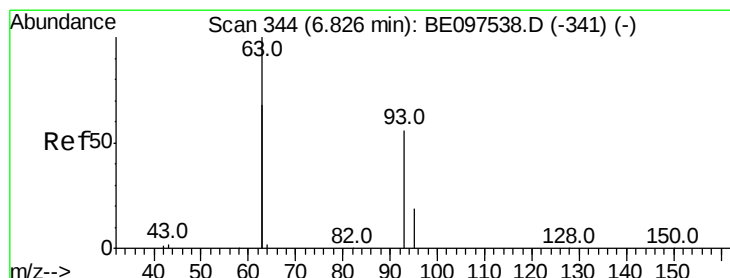
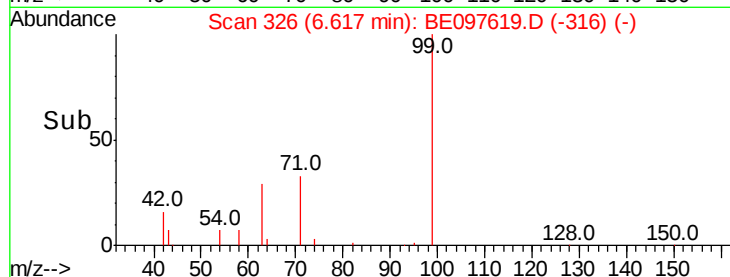
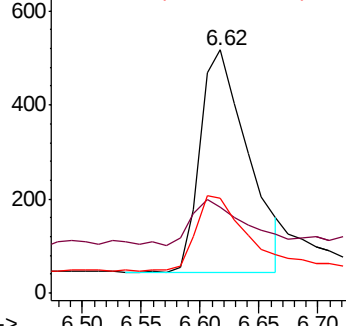
71 34.7 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.315 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

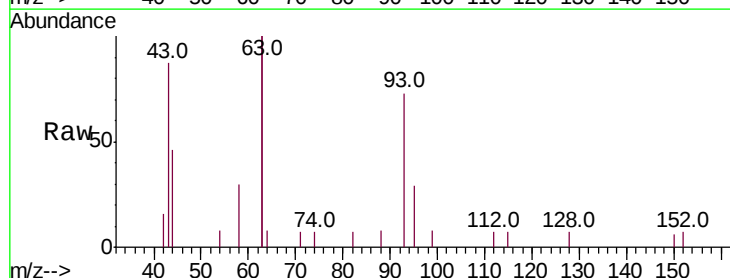
Tgt Ion: 93 Resp: 1272

Ion Ratio Lower Upper

93 100

63 305.6 275.3 412.9

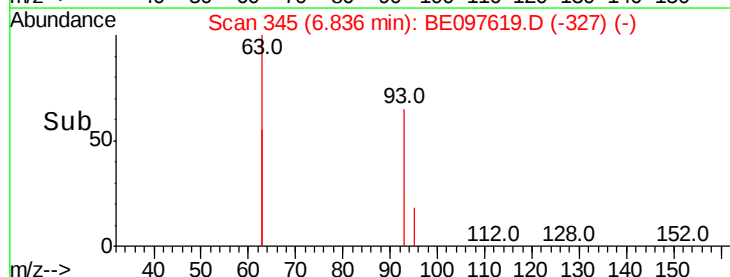
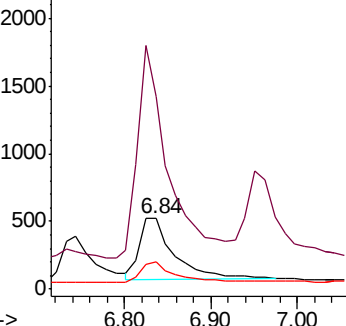
95 34.0 25.2 37.8



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: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

Tot Ion:136 Resp: 4751

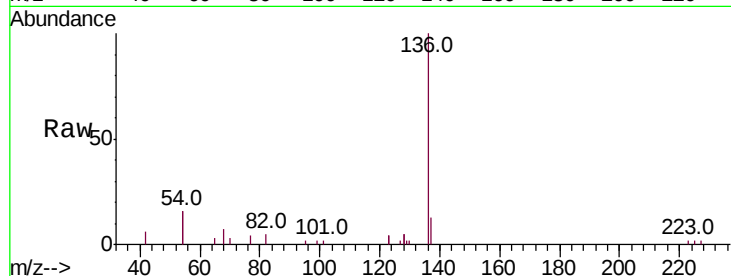
Ion Ratio Lower Upper

136 100

137 13.0 9.5 14.3

54 31.7 29.1 43.7

68 7.3 6.2 9.2

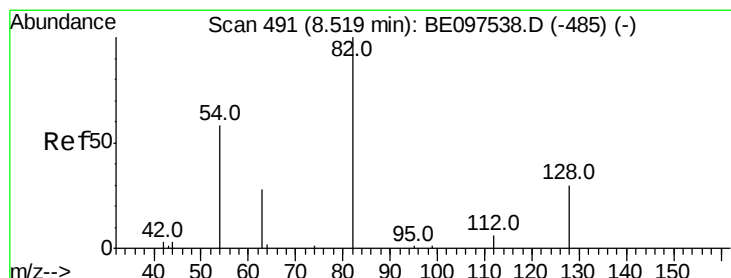
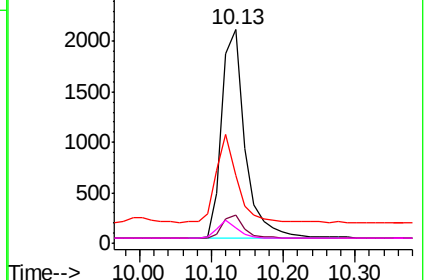
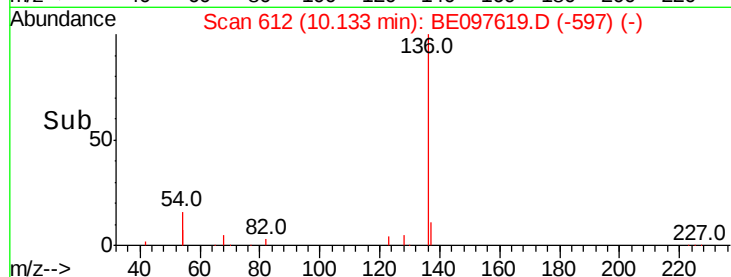


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.371 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

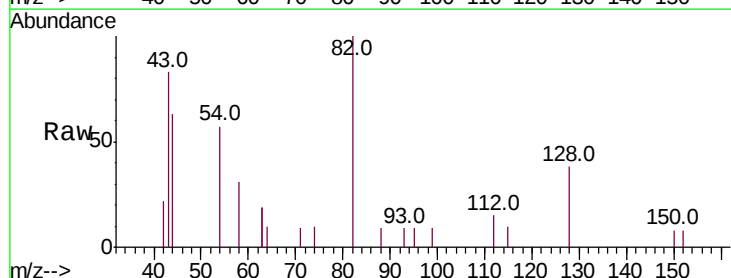
Tgt Ion: 82 Resp: 1361

Ion Ratio Lower Upper

82 100

128 37.8 24.0 36.0#

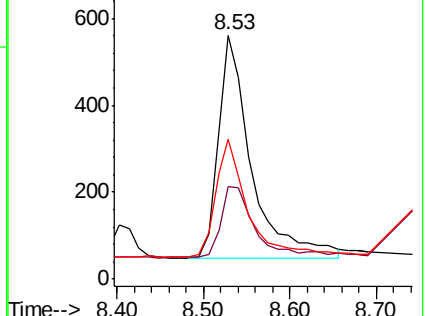
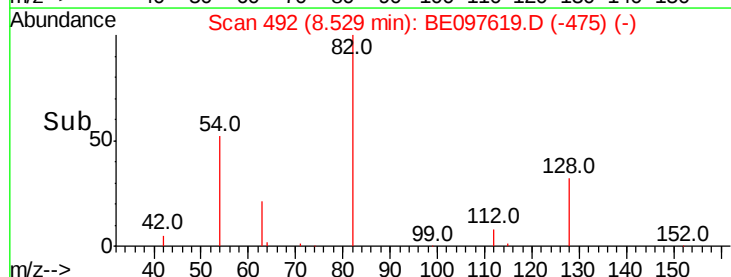
54 57.2 40.0 60.0

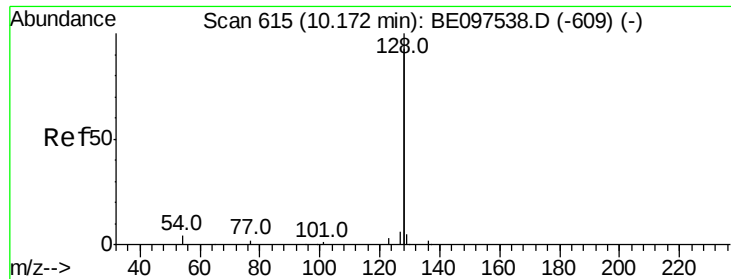


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.410 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097619.D

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PB112884BSD

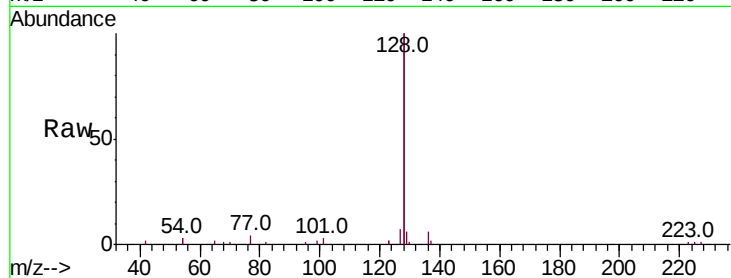
Tot Ion:128 Resp: 17544

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

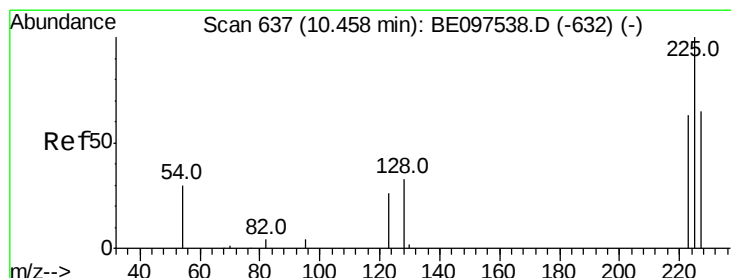
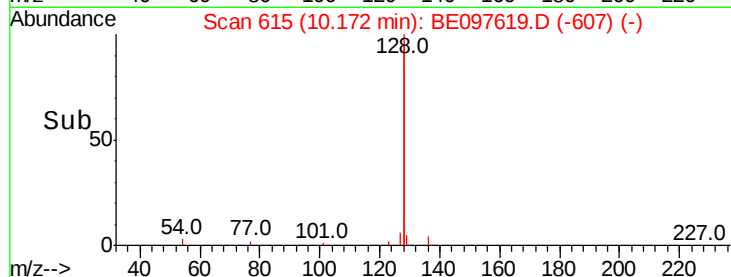
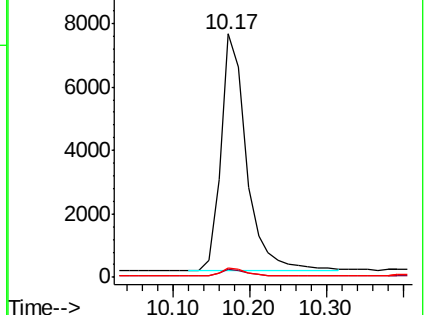
127 3.7 2.8 4.2



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: 0.380 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

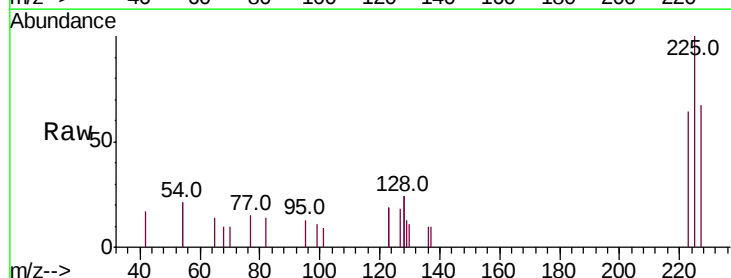
Tgt Ion:225 Resp: 750

Ion Ratio Lower Upper

225 100

223 61.5 53.0 79.6

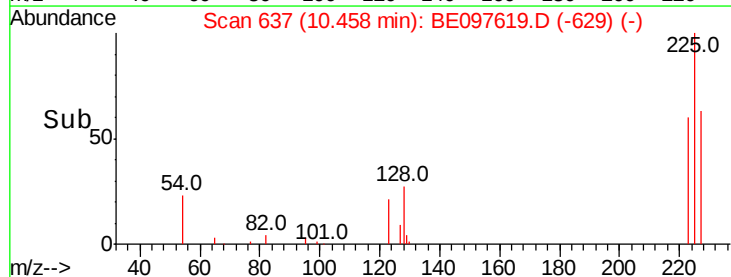
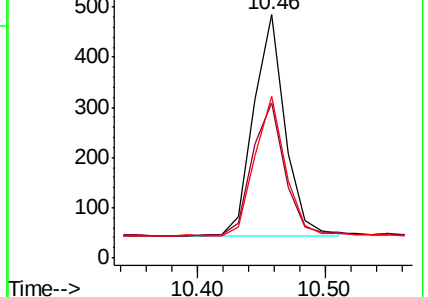
227 61.5 51.4 77.2



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

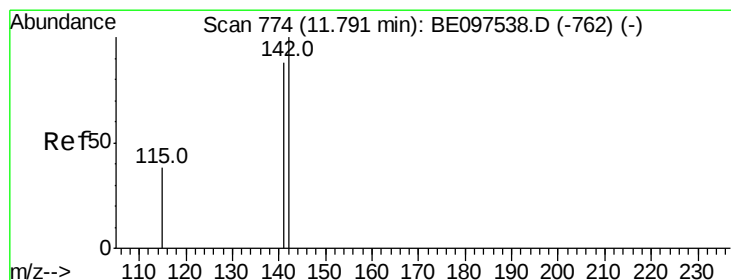
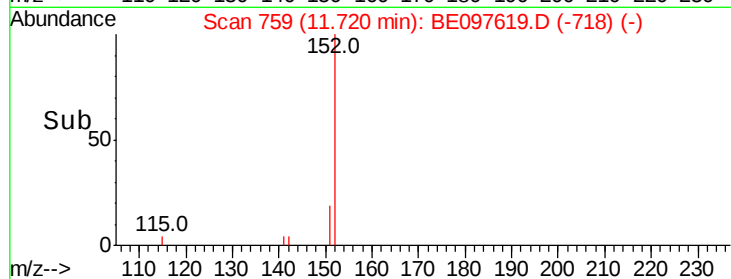
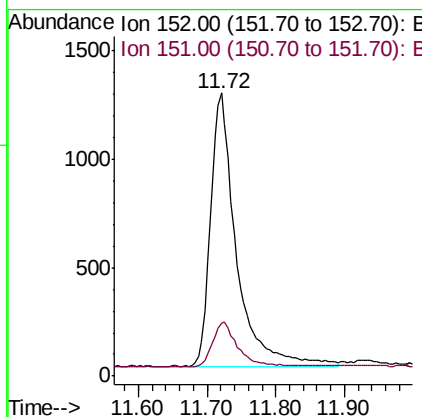
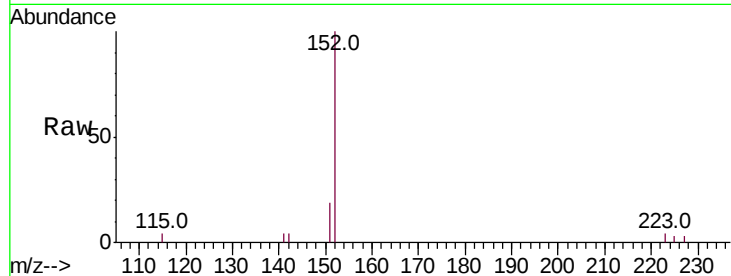




#11
2-Methylnaphthalene-d10
Concen: 0.503 ng
RT: 11.72 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

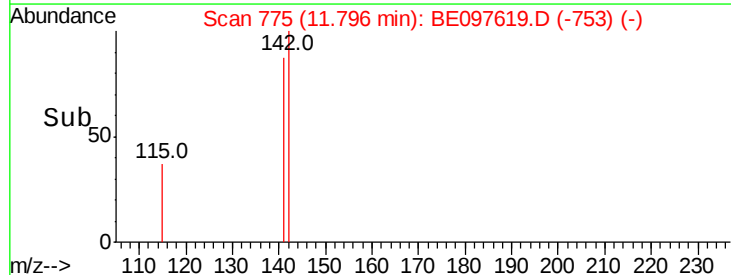
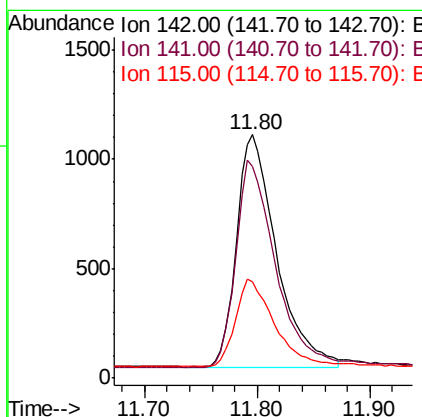
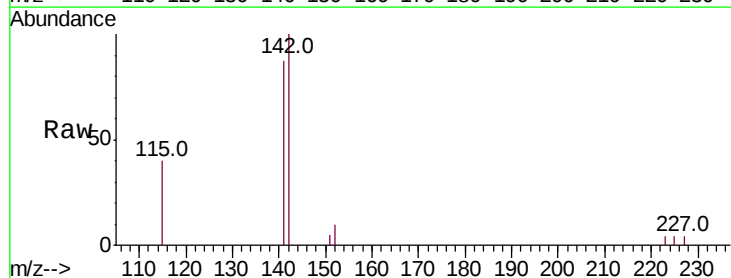
Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tot Ion:152 Resp: 3294
Ion Ratio Lower Upper
152 100
151 15.4 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.391 ng
RT: 11.80 min Scan# 775
Delta R.T. 0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:142 Resp: 2608
Ion Ratio Lower Upper
142 100
141 87.2 70.4 105.6
115 39.7 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

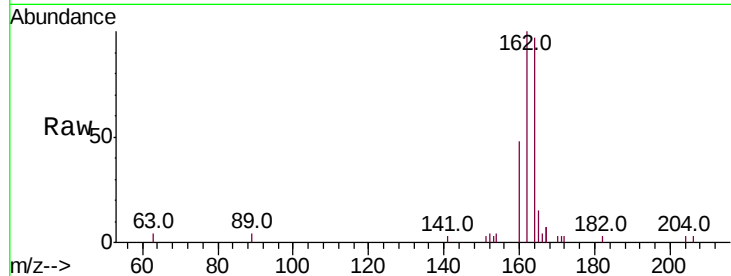
Tot Ion:164 Resp: 2287

Ion Ratio Lower Upper

164 100

162 103.4 83.1 124.7

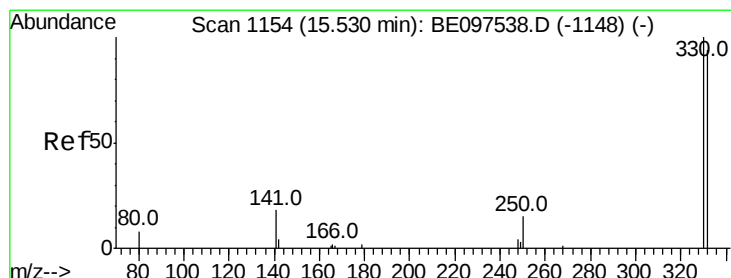
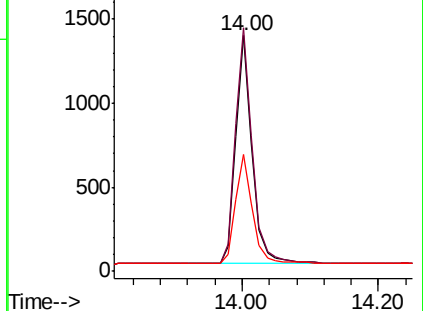
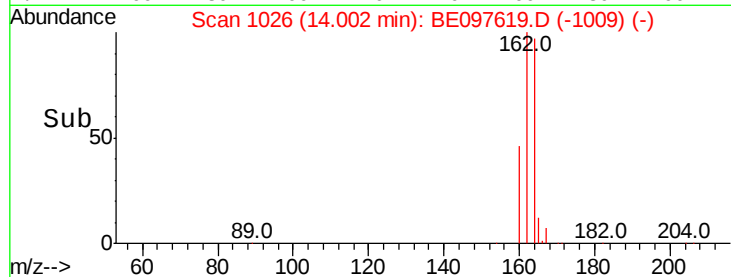
160 49.8 37.1 55.7



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: 0.269 ng

RT: 15.53 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

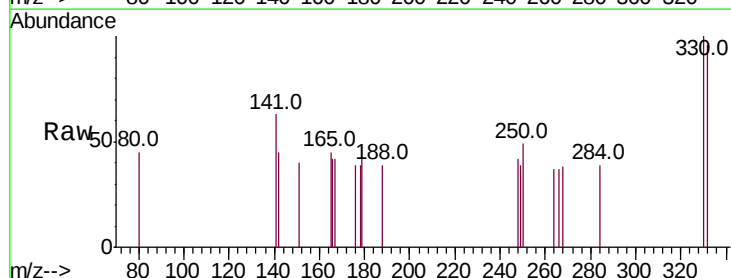
Tgt Ion:330 Resp: 191

Ion Ratio Lower Upper

330 100

332 97.4 152.7 229.1#

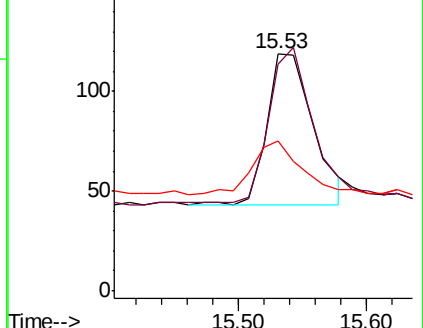
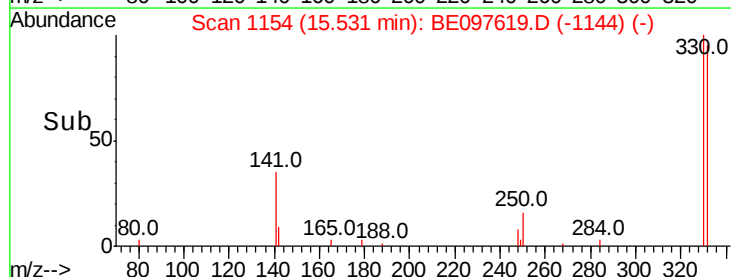
141 38.2 33.7 50.5

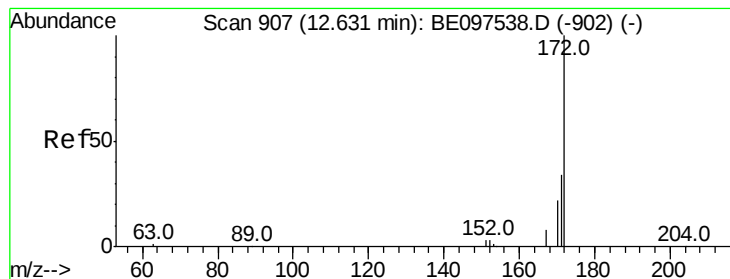


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.463 ng

RT: 12.62 min Scan# 906

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

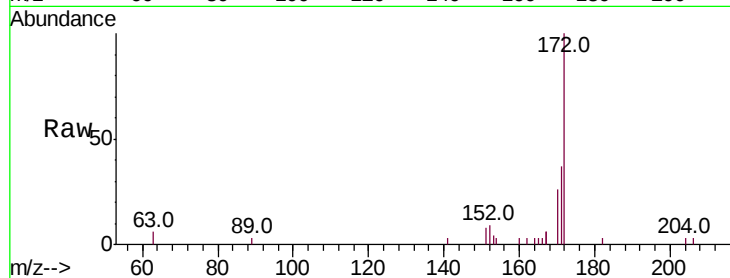
Tot Ion:172 Resp: 3738

Ion Ratio Lower Upper

172 100

171 37.1 29.9 44.9

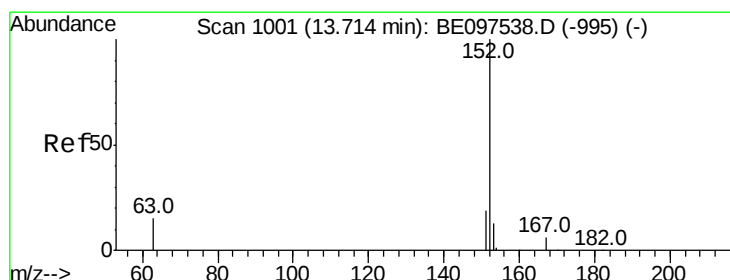
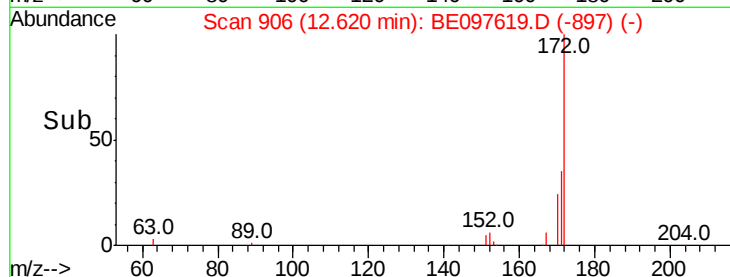
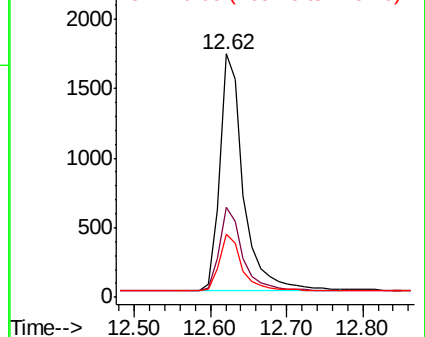
170 26.1 21.8 32.8



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: 0.375 ng

RT: 13.73 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

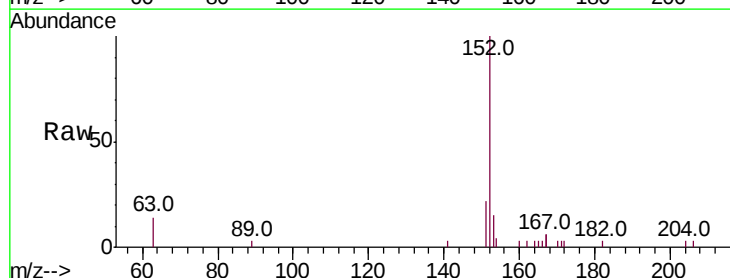
Tgt Ion:152 Resp: 3390

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

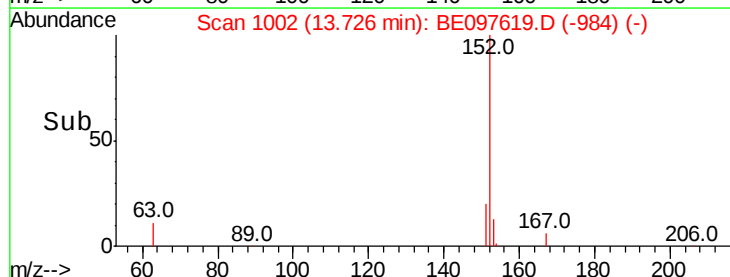
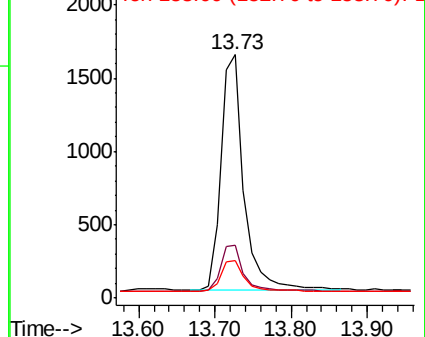
153 12.9 10.5 15.7



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

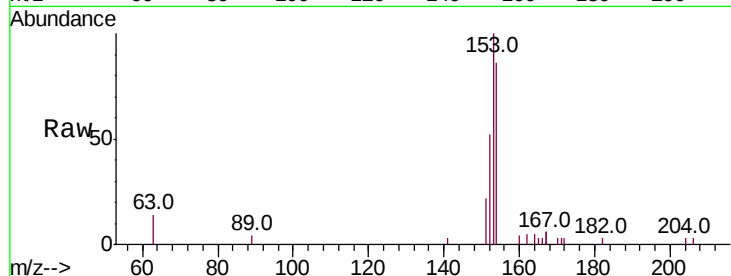




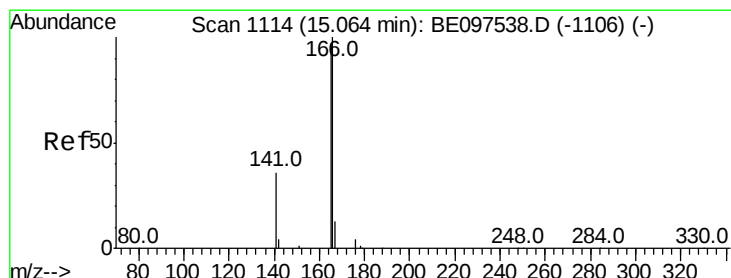
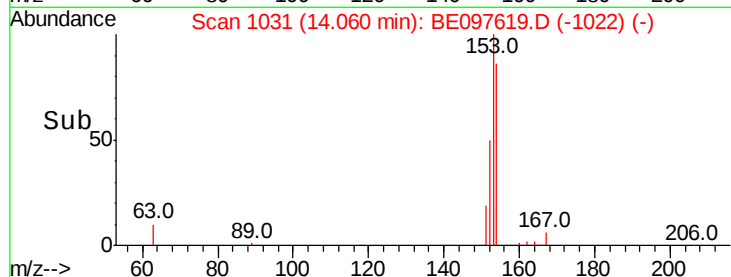
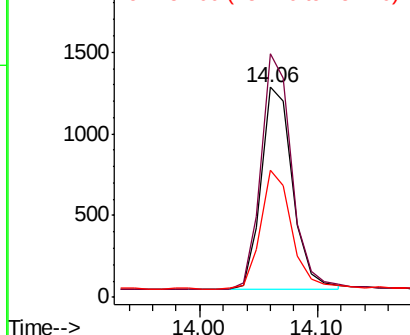
#17
Acenaphthene
Concen: 0.381 ng
RT: 14.06 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tot Ion:154 Resp: 2312
Ion Ratio Lower Upper
154 100
153 114.5 89.2 133.8
152 57.3 42.0 63.0

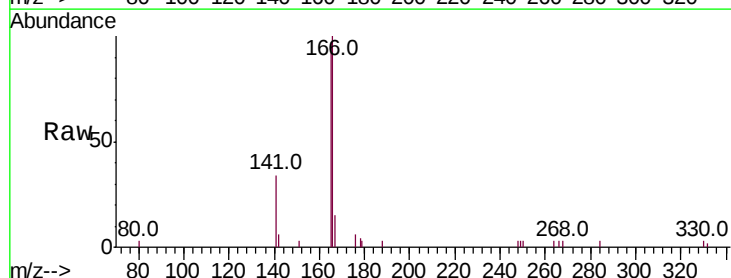


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

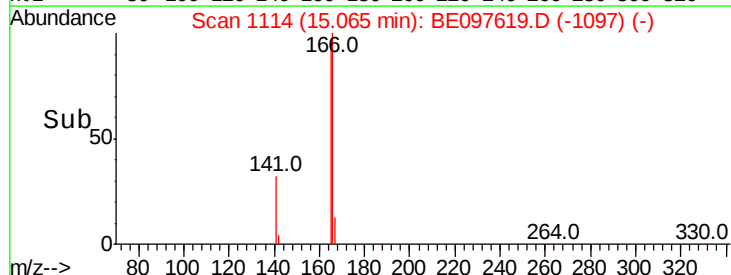
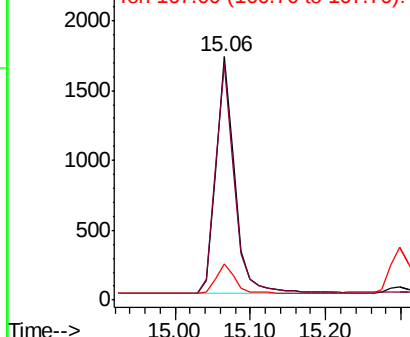


#18
Fluorene
Concen: 0.375 ng
RT: 15.06 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:166 Resp: 2967
Ion Ratio Lower Upper
166 100
165 97.3 77.8 116.6
167 13.5 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# 1260

Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

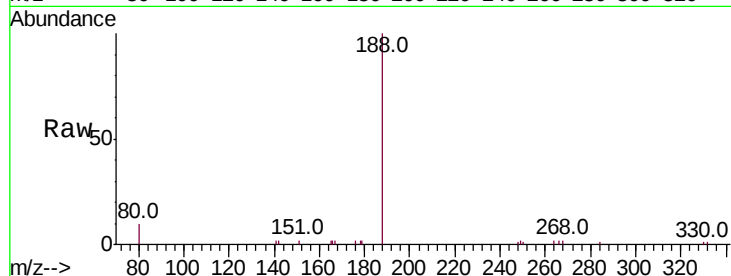
Tot Ion:188 Resp: 5319

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

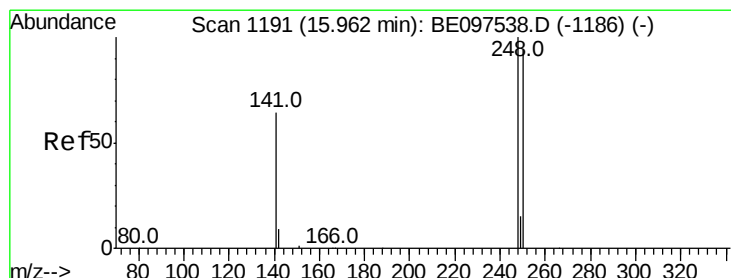
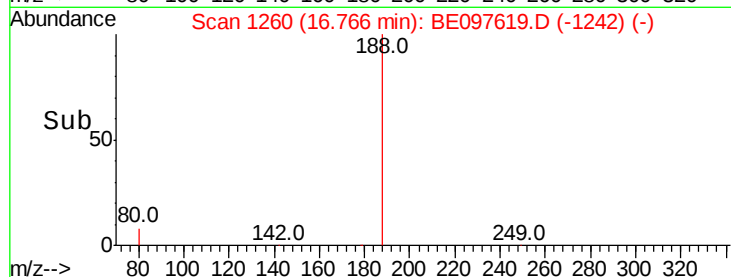
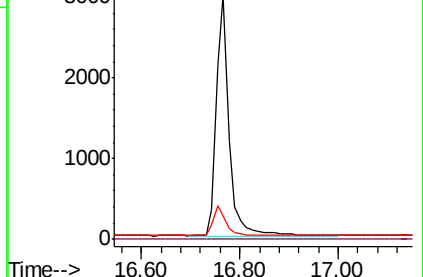
80 9.8 3.6 5.4#



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: 0.374 ng

RT: 15.96 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

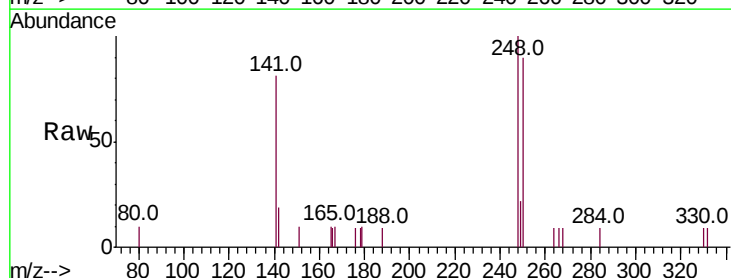
Tgt Ion:248 Resp: 896

Ion Ratio Lower Upper

248 100

250 90.4 62.7 94.1

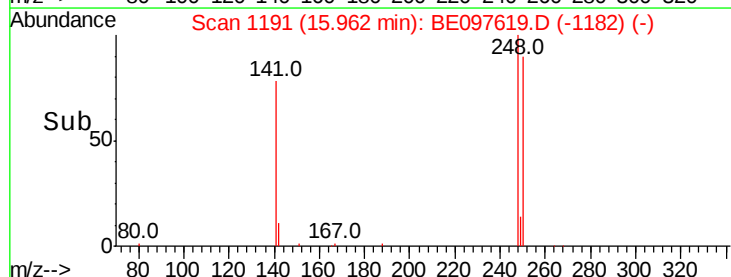
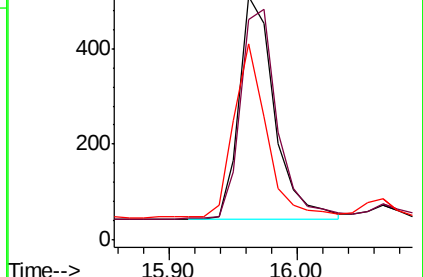
141 80.5 48.2 72.2#



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: 0.410 ng

RT: 16.07 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

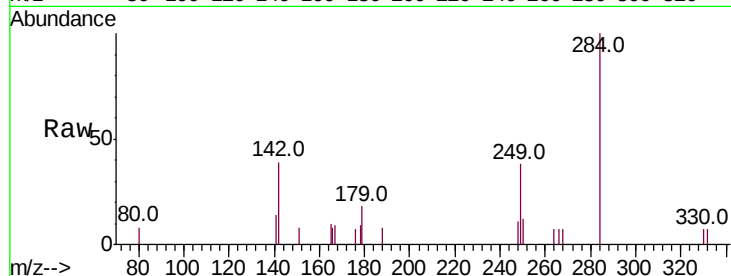
Tot Ion:284 Resp: 1080

Ion Ratio Lower Upper

284 100

142 30.9 22.1 33.1

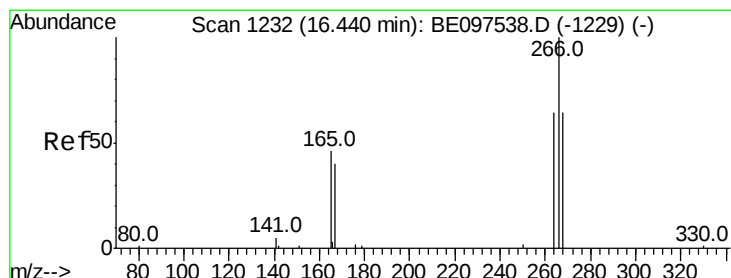
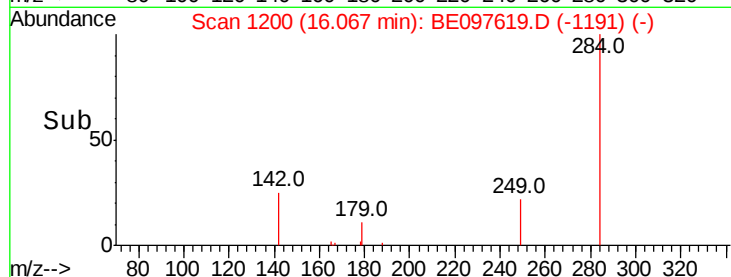
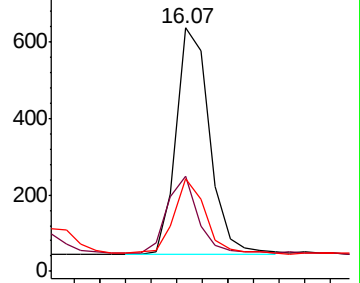
249 30.2 34.8 52.2#



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: 0.367 ng

RT: 16.45 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

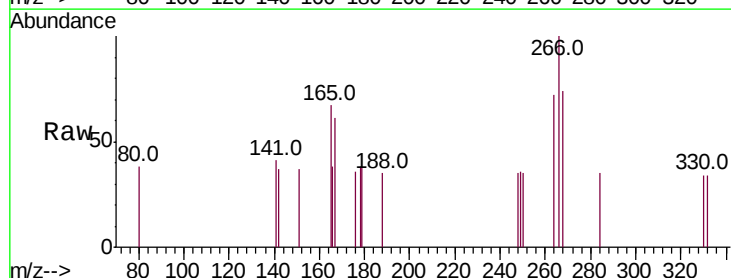
Tgt Ion:266 Resp: 281

Ion Ratio Lower Upper

266 100

264 72.3 72.5 108.7#

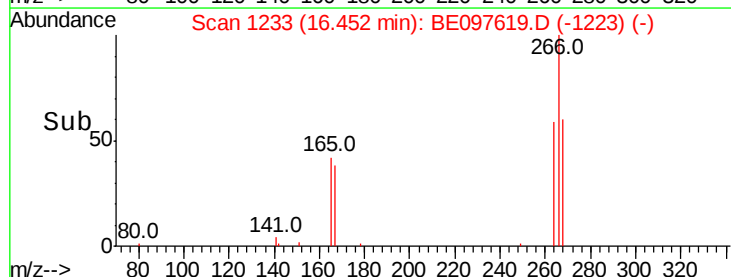
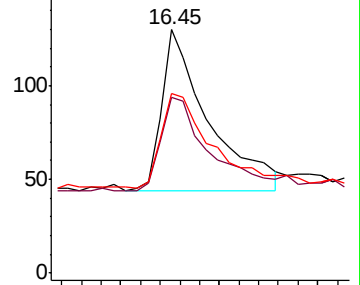
268 73.8 73.8 110.6

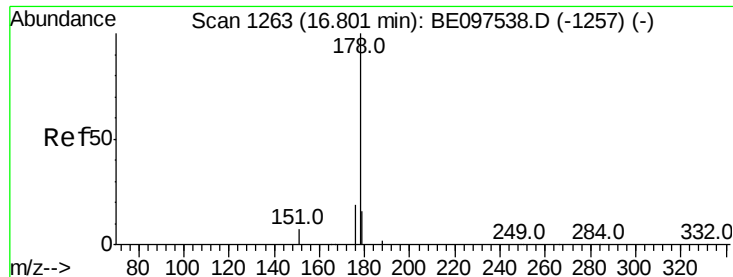


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.391 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

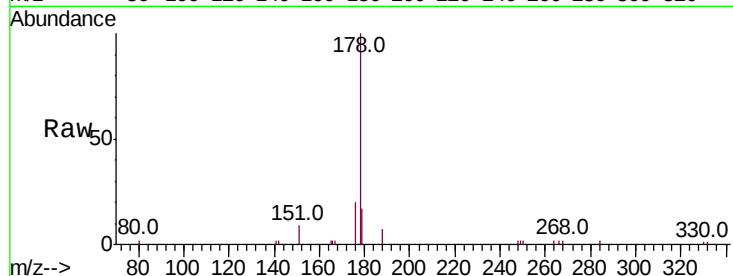
BNA_E

ClientSampleId :

PB112884BSD

Tot Ion:178 Resp: 4936

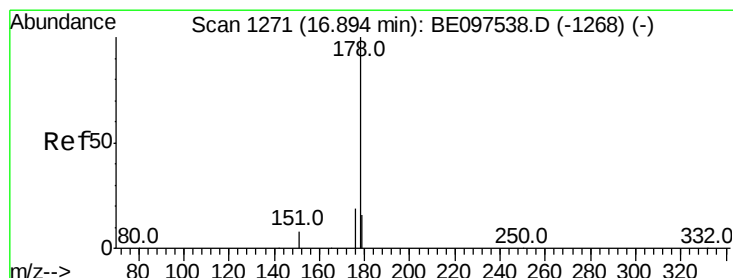
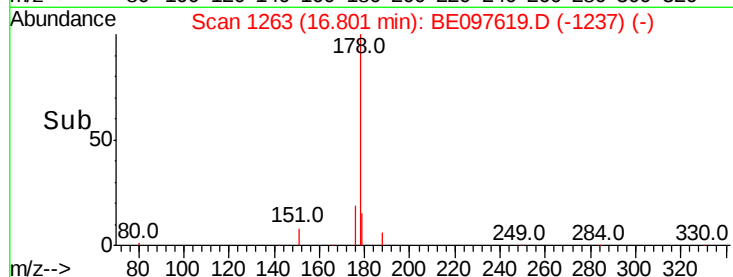
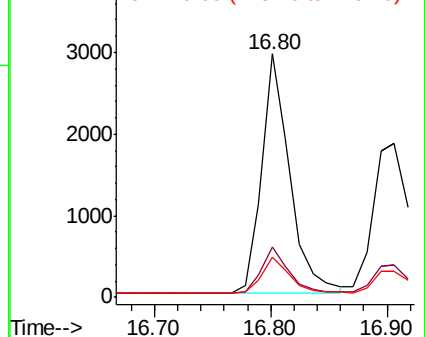
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.5	11.8	17.6



Abundance Ion 178.00 (177.70 to 178.70): E

4000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.373 ng

RT: 16.91 min Scan# 1272

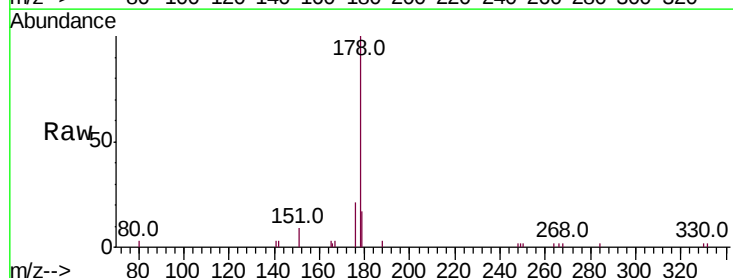
Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Tgt Ion:178 Resp: 4161

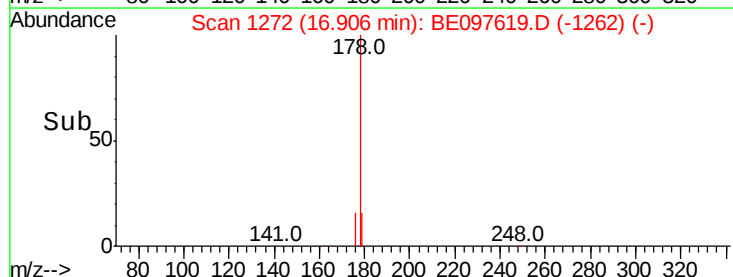
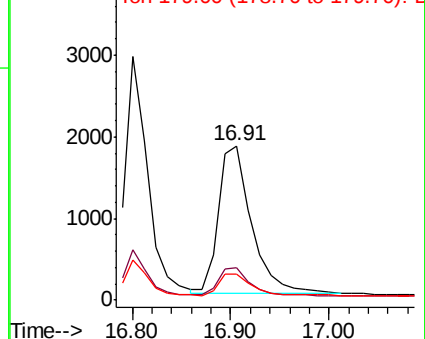
Ion	Ratio	Lower	Upper
178	100		
176	18.4	12.8	19.2
179	14.9	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E

4000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.356 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

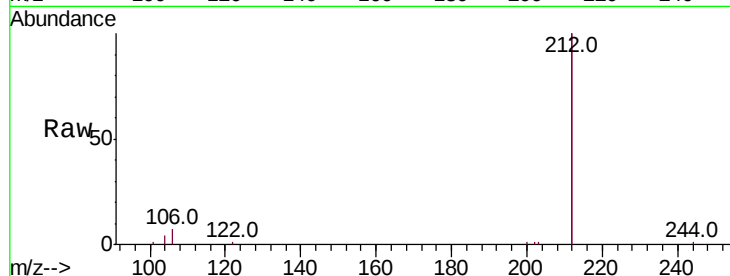
Tot Ion:212 Resp: 24273

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

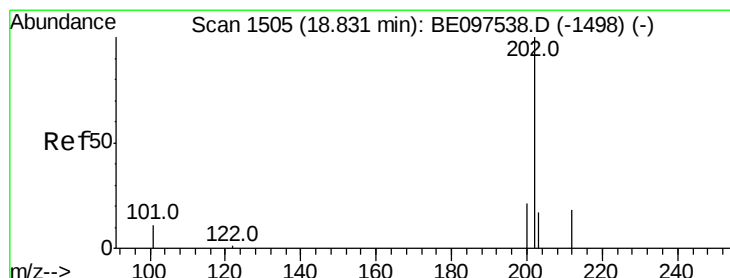
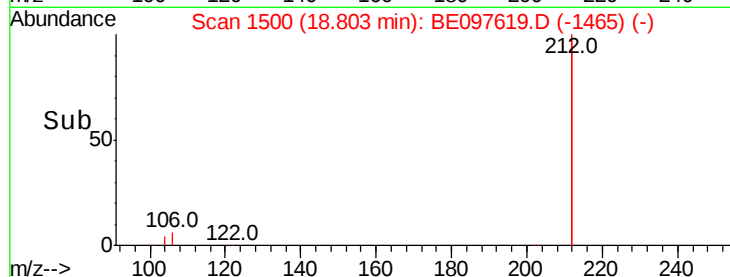
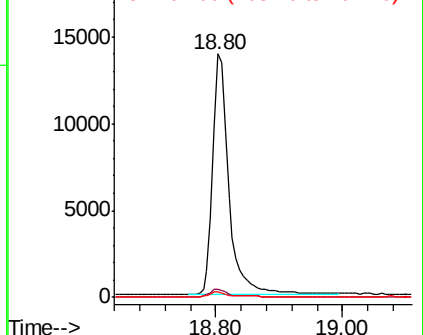
104 1.8 1.6 2.4



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: 0.337 ng

RT: 18.84 min Scan# 1506

Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

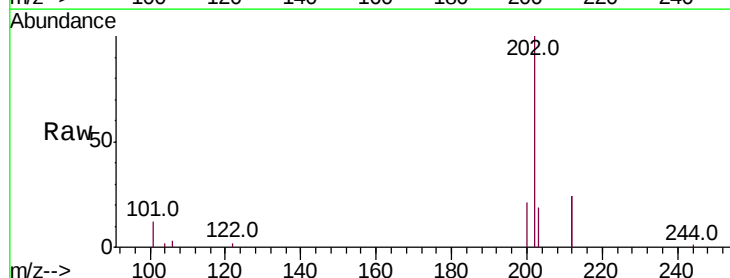
Tgt Ion:202 Resp: 5912

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.8

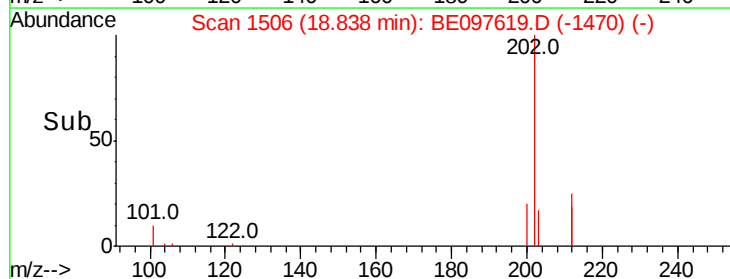
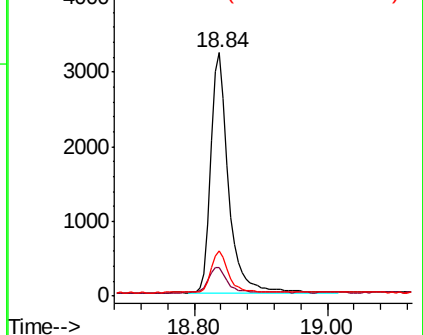
203 16.8 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

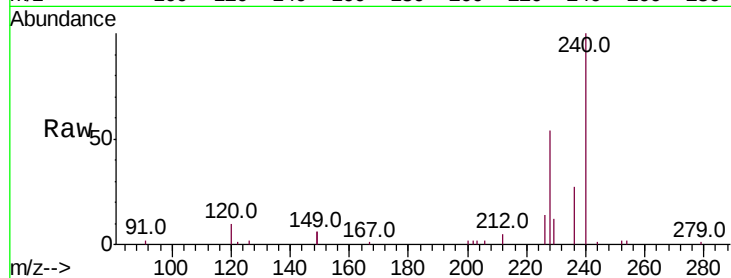
Tot Ion:240 Resp: 7016

Ion Ratio Lower Upper

240 100

120 9.6 5.5 8.3#

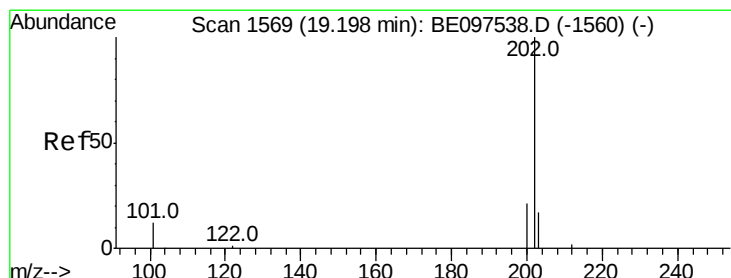
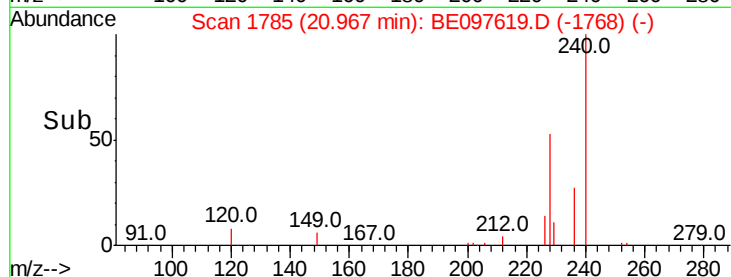
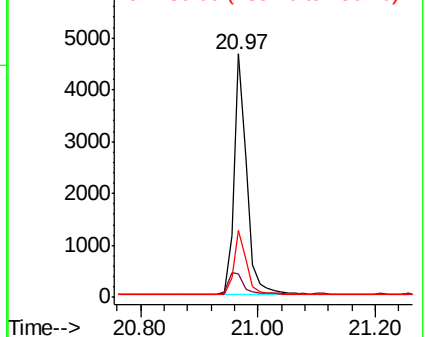
236 27.4 20.7 31.1



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: 0.374 ng

RT: 19.20 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

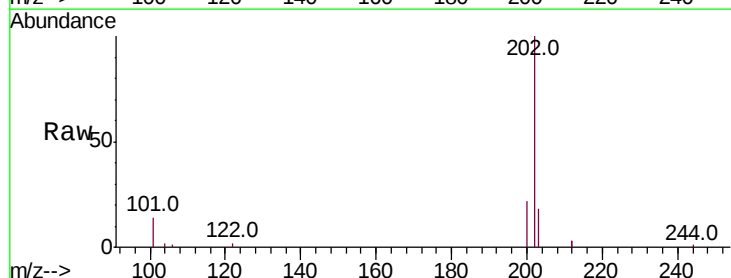
Tgt Ion:202 Resp: 5966

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

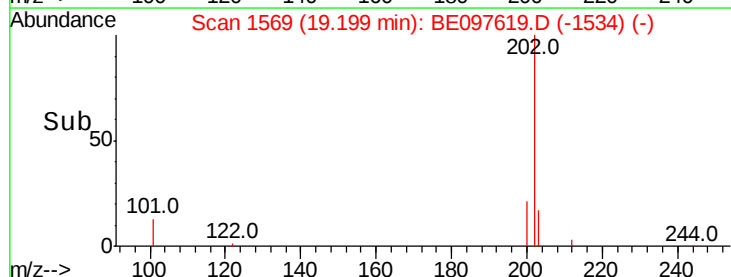
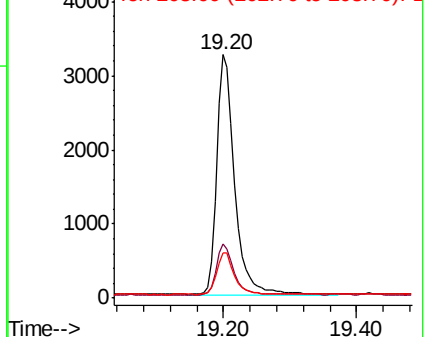
203 17.5 13.8 20.8



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: 0.329 ng

RT: 19.42 min Scan# 1608

Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

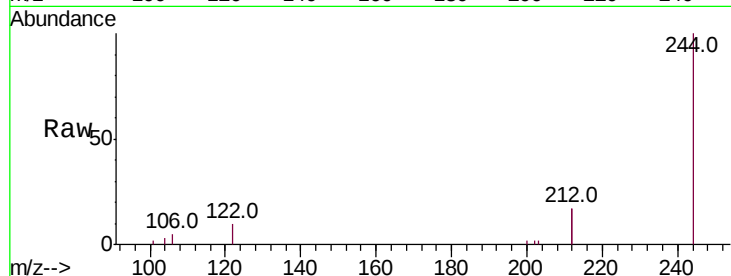
Tot Ion:244 Resp: 4230

Ion Ratio Lower Upper

244 100

212 33.1 25.4 38.0

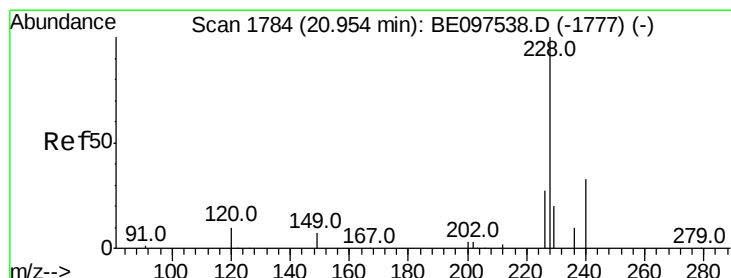
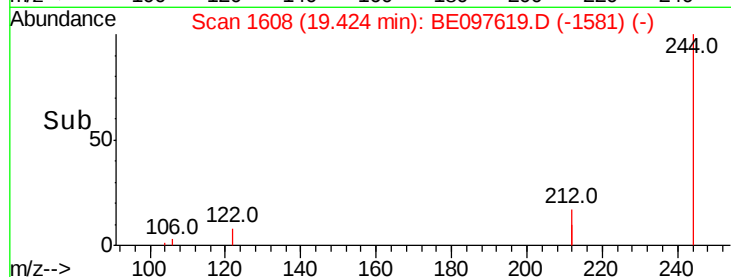
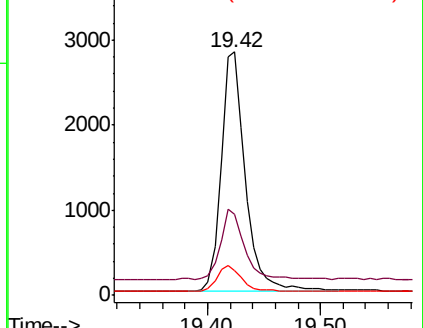
122 10.1 8.1 12.1



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: 0.376 ng

RT: 20.95 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

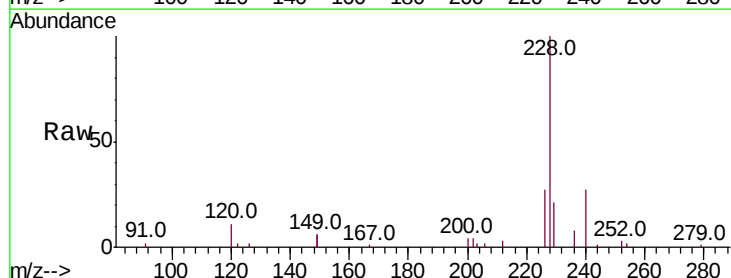
Tgt Ion:228 Resp: 6649

Ion Ratio Lower Upper

228 100

226 27.3 24.0 36.0

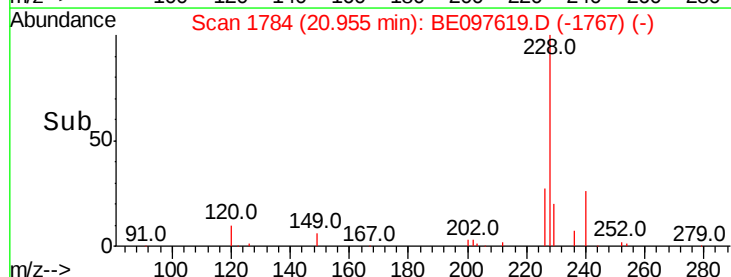
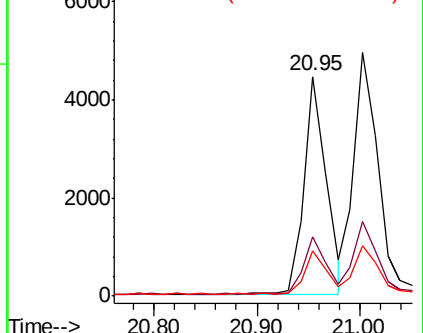
229 20.7 16.0 24.0



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: 0.418 ng

RT: 21.00 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

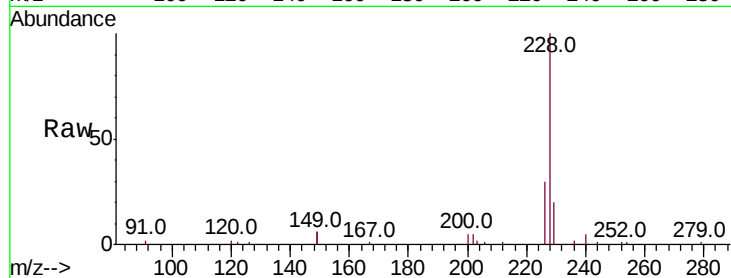
BNA_E

ClientSampleId :

PB112884BSD

Tot Ion:228 Resp: 7924

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	20.5	16.0	24.0

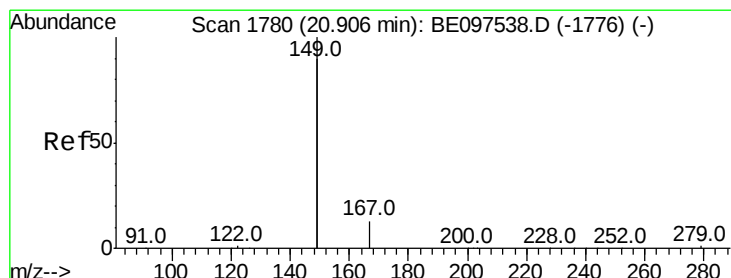
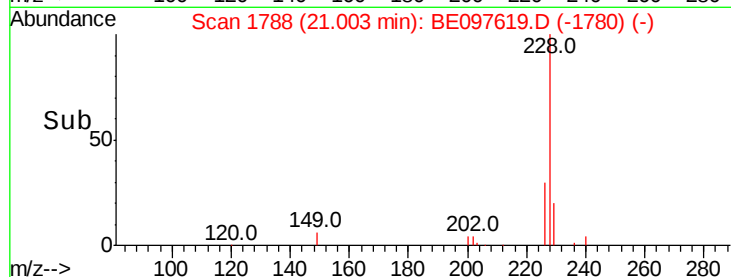
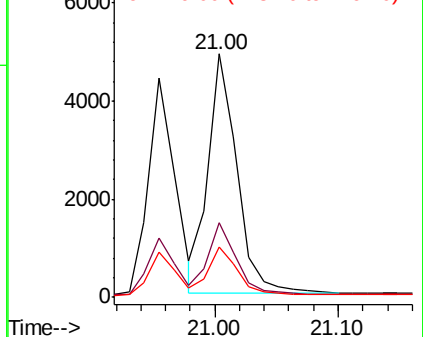


Abundance

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: 0.241 ng

RT: 20.91 min Scan# 1780

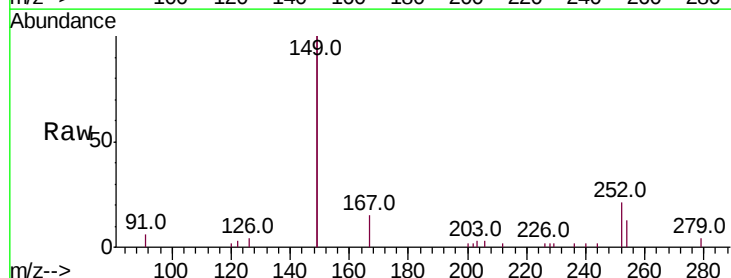
Delta R.T. -0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Tgt Ion:149 Resp: 6842

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	1.1	0.7	1.1#

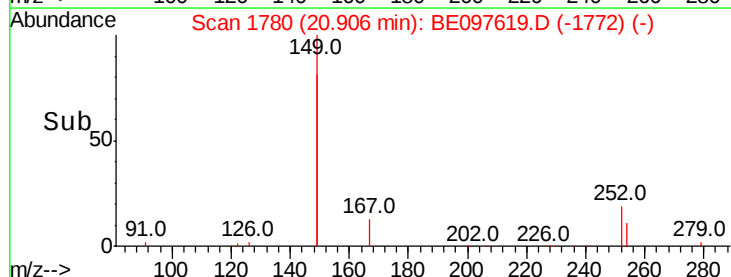
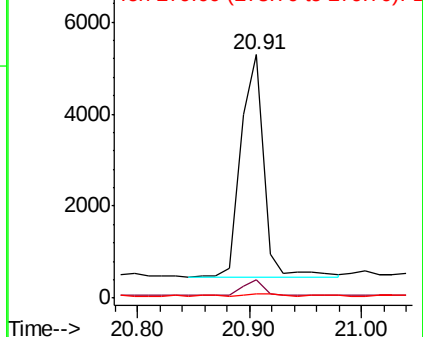


Abundance

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: 0.468 ng

RT: 25.51 min Scan# 2844

Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

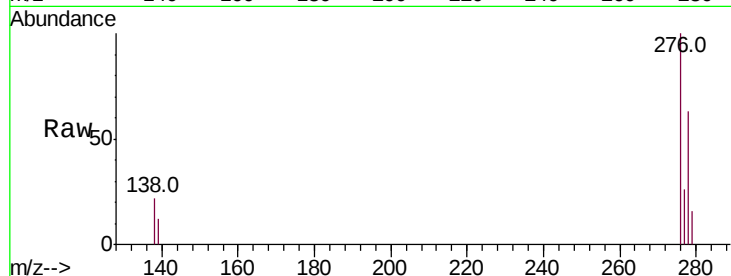
Tot Ion:276 Resp: 10687

Ion Ratio Lower Upper

276 100

138 22.0 22.5 33.7#

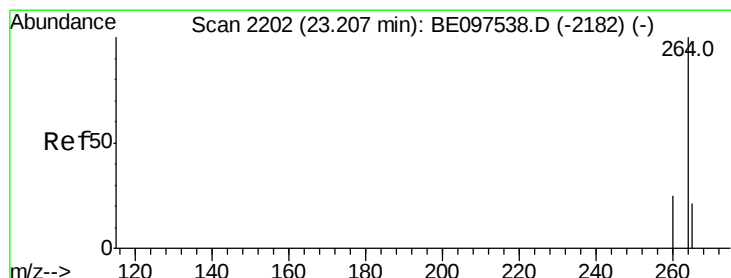
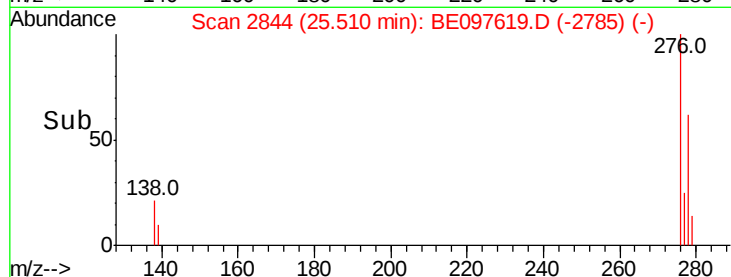
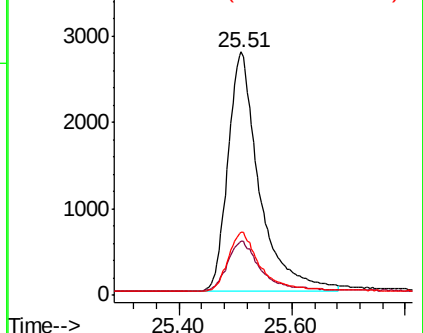
277 25.2 19.9 29.9



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# 2202

Delta R.T. 0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

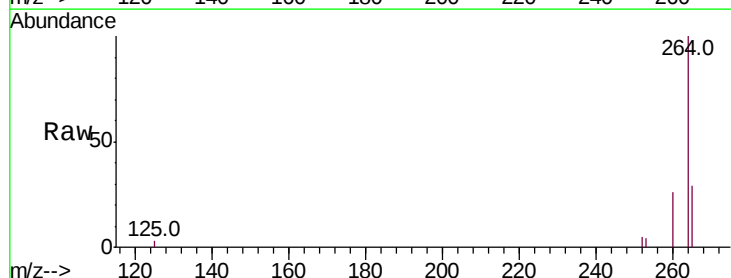
Tgt Ion:264 Resp: 7596

Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

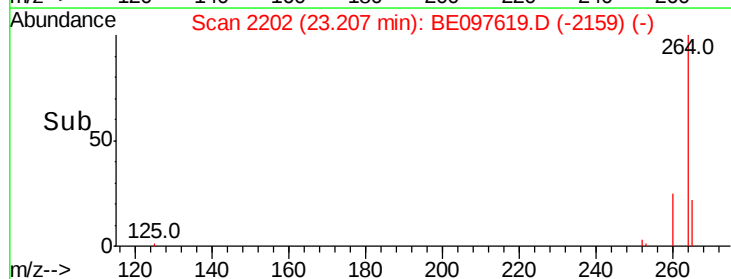
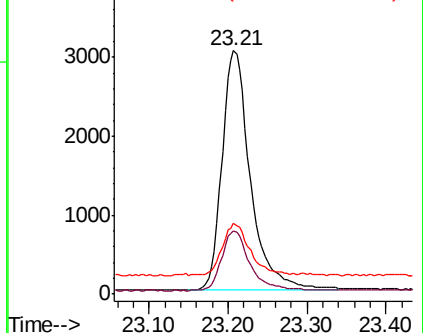
265 29.3 22.8 34.2



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: 0.404 ng

RT: 22.53 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

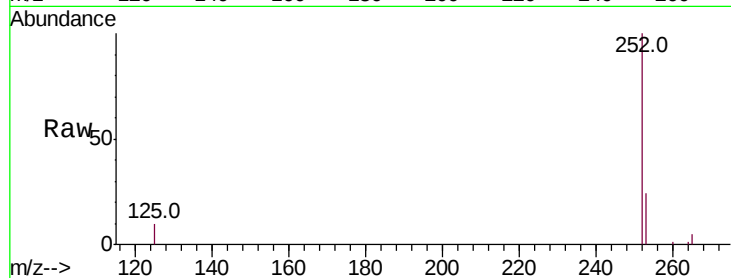
Tot Ion:252 Resp: 7861

Ion Ratio Lower Upper

252 100

253 23.5 20.0 30.0

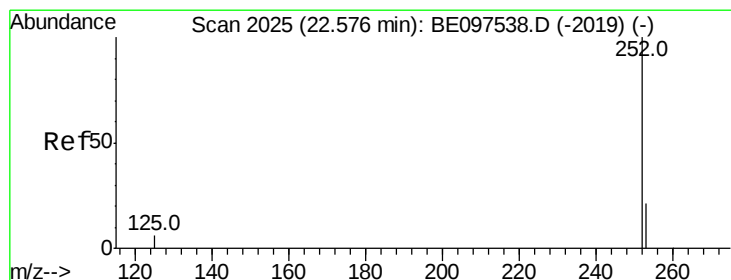
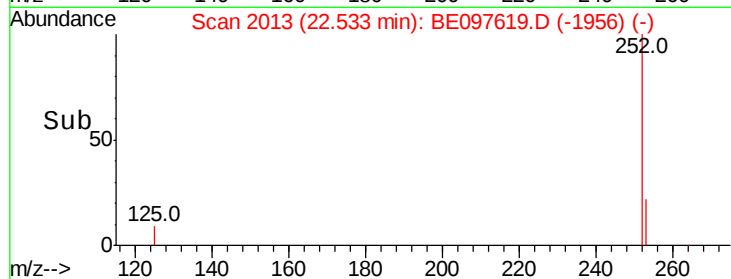
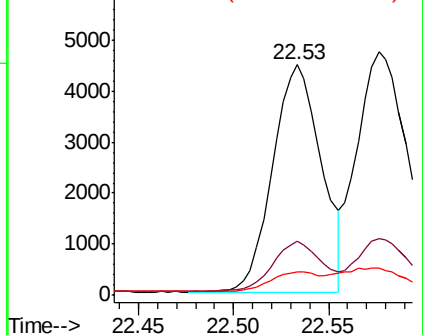
125 10.3 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.425 ng

RT: 22.58 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

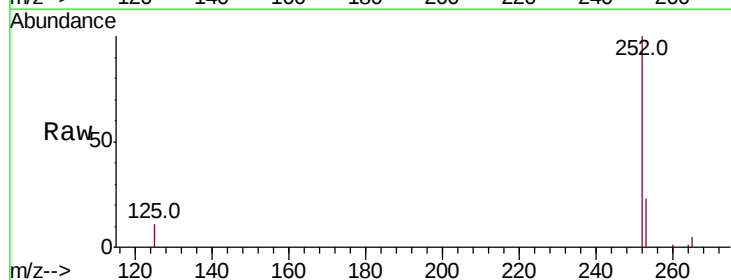
Tgt Ion:252 Resp: 9442

Ion Ratio Lower Upper

252 100

253 23.4 16.0 24.0

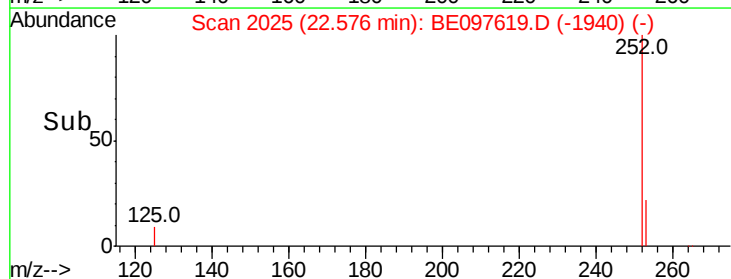
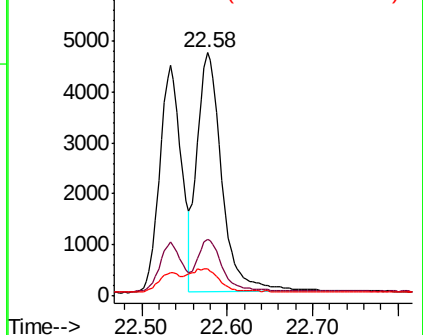
125 11.0 8.0 12.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.427 ng

RT: 23.11 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

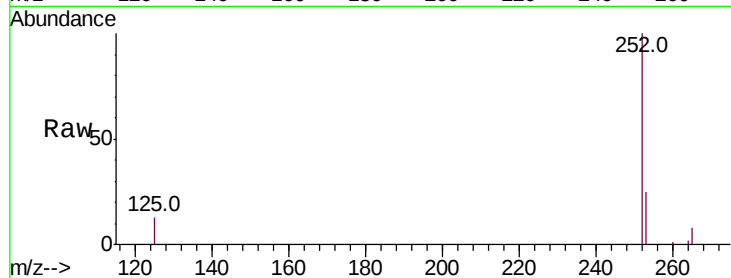
Tot Ion:252 Resp: 8073

Ion Ratio Lower Upper

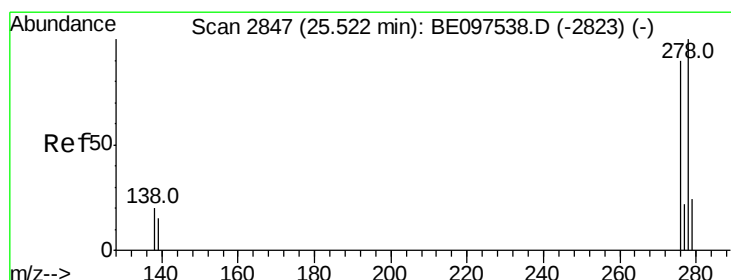
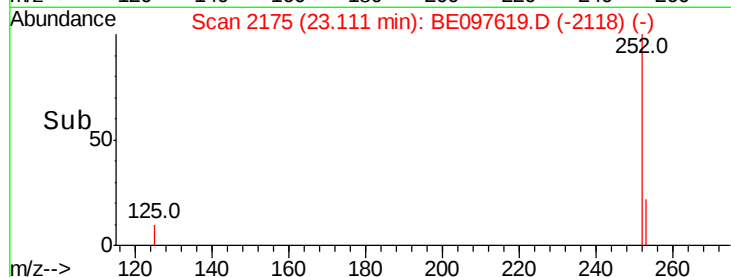
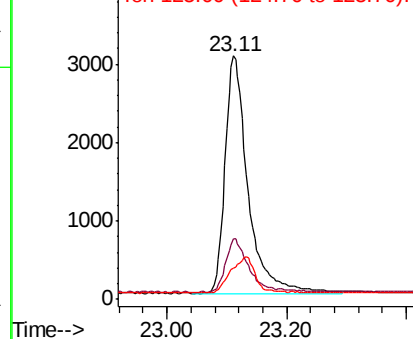
252 100

253 24.8 16.0 24.0#

125 12.9 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: 0.430 ng

RT: 25.53 min Scan# 2849

Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

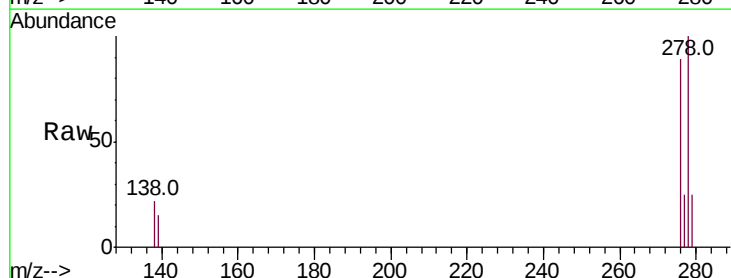
Tgt Ion:278 Resp: 8782

Ion Ratio Lower Upper

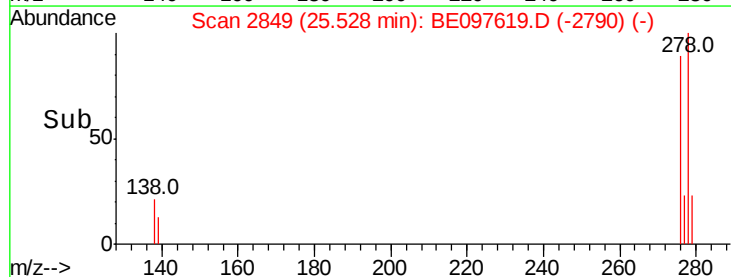
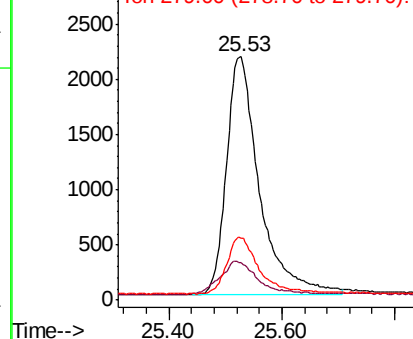
278 100

139 15.2 16.0 24.0#

279 25.2 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: 0.435 ng

RT: 26.21 min Scan# 3039

Delta R.T. 0.01 min

Lab File: BE097619.D

Acq: 21 Sep 2018 19:43

Instrument :

BNA_E

ClientSampleId :

PB112884BSD

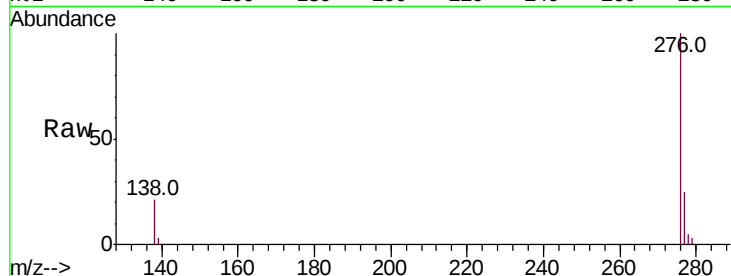
Tot Ion:276 Resp: 8638

Ion Ratio Lower Upper

276 100

277 25.1 16.0 24.0#

138 20.5 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

