

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011720\
 Data File : BE101087.D
 Acq On : 17 Jan 2020 16:31
 Operator : JU
 Sample : PB126161BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB126161BS

Quant Time: Jan 17 23:20:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 18:36:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	1343	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	6217	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	4789	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	14183	0.40	ng	0.00
27) Chrysene-d12	21.27	240	21490	0.40	ng	-0.01
34) Perylene-d12	23.69	264	21234	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.33	112	1339	0.44	ng	-0.01
5) Phenol-d6	6.91	99	1322	0.35	ng	-0.01
8) Nitrobenzene-d5	8.87	82	1435	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	4905	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	488	0.36	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	6278	0.35	ng	-0.01
25) Fluoranthene-d10	19.12	212	91272	0.46	ng	-0.01
29) Terphenyl-d14	19.73	244	16777	0.32	ng	0.00

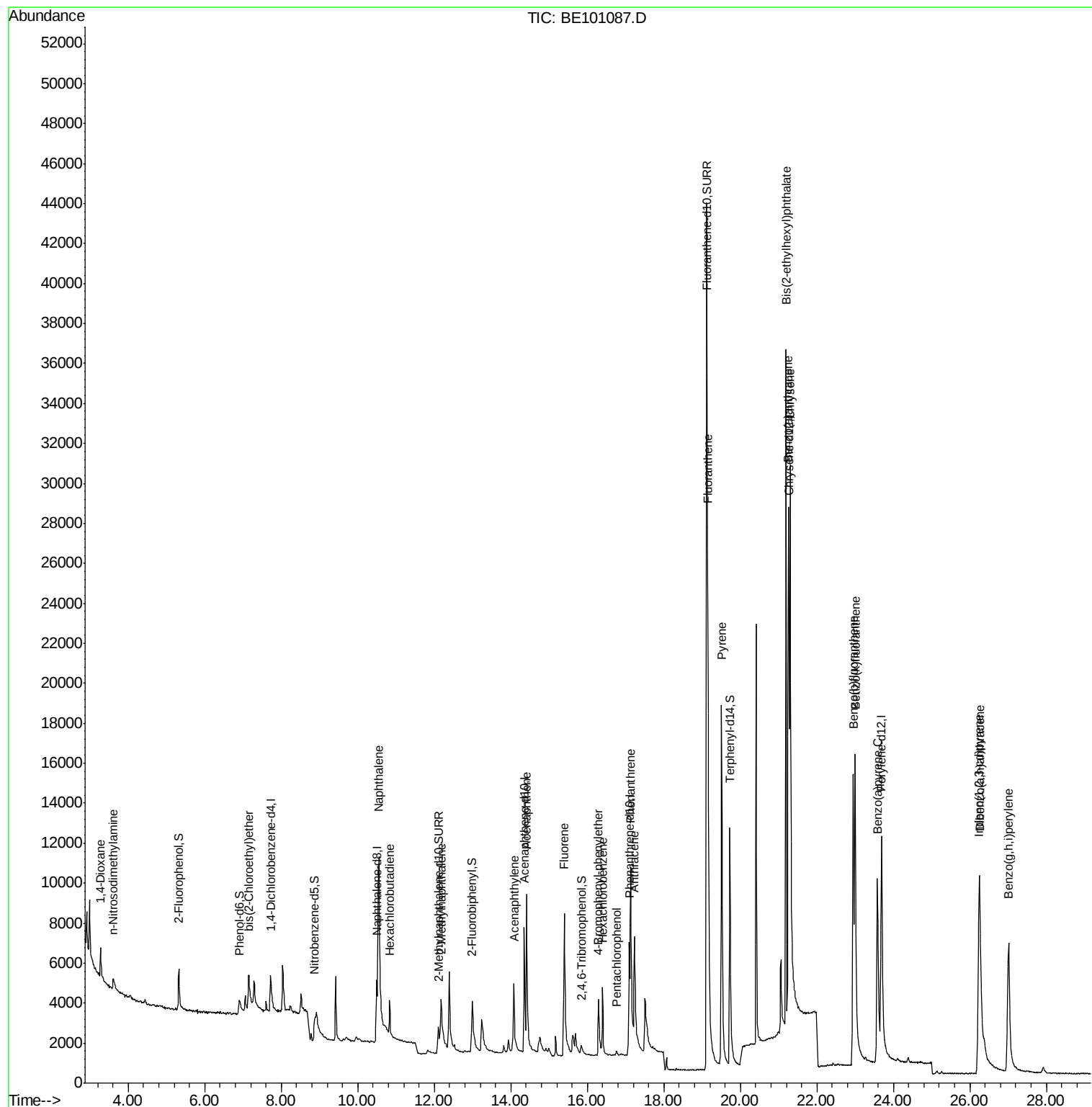
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	1206	0.360	ng	95
3) n-Nitrosodimethylamine	3.60	42	673	0.361	ng	# 80
6) bis(2-Chloroethyl)ether	7.16	93	1519	0.334	ng	95
9) Naphthalene	10.55	128	27128	0.393	ng	# 99
10) Hexachlorobutadiene	10.84	225	1229	0.420	ng	98
12) 2-Methylnaphthalene	12.18	142	4044	0.387	ng	98
16) Acenaphthylene	14.08	152	7001	0.359	ng	100
17) Acenaphthene	14.41	154	5113	0.366	ng	100
18) Fluorene	15.39	166	7085	0.401	ng	100
20) 4-Bromophenyl-phenylether	16.29	248	2202	0.318	ng	# 89
21) Hexachlorobenzene	16.40	284	2677	0.353	ng	98
22) Pentachlorophenol	16.76	266	231	0.337	ng	92
23) Phenanthrene	17.13	178	14093	0.364	ng	98
24) Anthracene	17.23	178	13609	0.372	ng	97
26) Fluoranthene	19.15	202	22623	0.466	ng	99
28) Pyrene	19.51	202	23859	0.298	ng	99
30) Benzo(a)anthracene	21.26	228	23366	0.381	ng	98
31) Chrysene	21.31	228	36409	0.399	ng	98
32) Bis(2-ethylhexyl)phthalate	21.20	149	38830	0.380	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	22085	0.307	ng	97
35) Benzo(b)fluoranthene	22.95	252	22767	0.382	ng	99
36) Benzo(k)fluoranthene	23.00	252	31405	0.364	ng	98
37) Benzo(a)pyrene	23.58	252	22100	0.384	ng	98
38) Dibenzo(a,h)anthracene	26.26	278	16548	0.312	ng	97
39) Benzo(g,h,i)perylene	27.00	276	19430	0.298	ng	99

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

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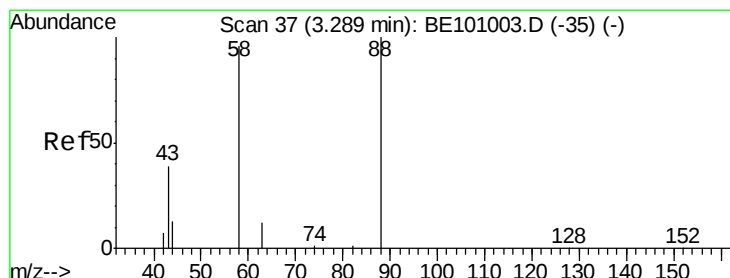
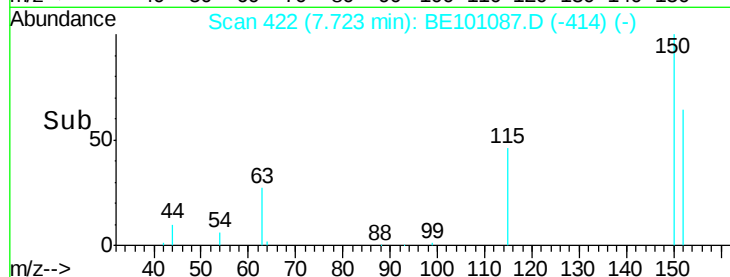
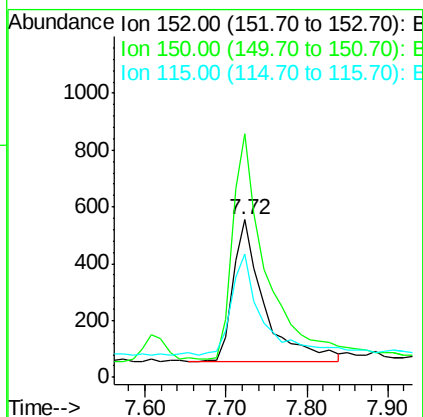
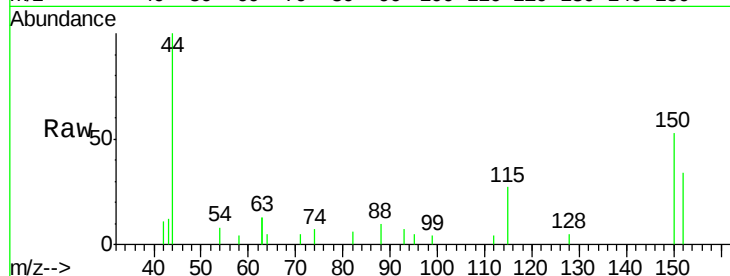


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101087.D
Acq: 17 Jan 2020 16:31

Instrument :
BNA_E
ClientSampleId :
PB126161BS

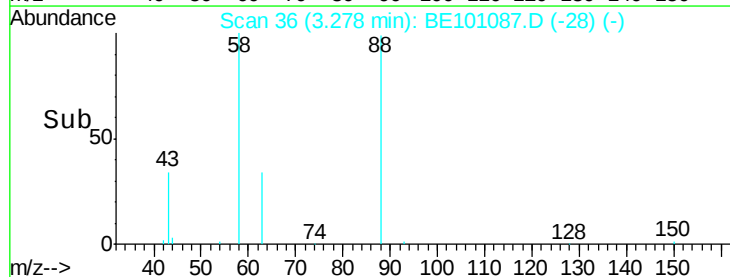
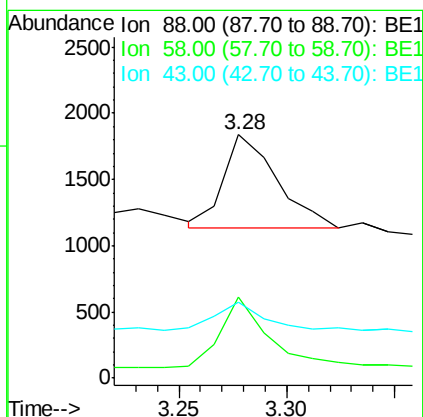
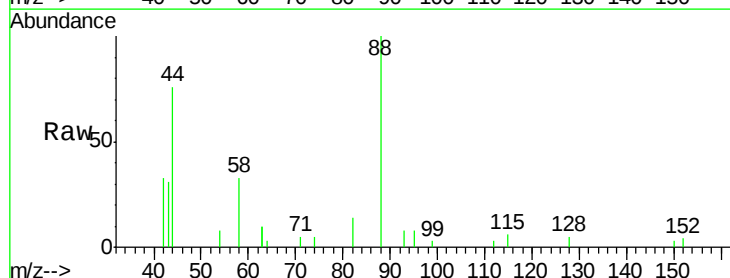
Tot Ion:152 Resp: 1343
Ion Ratio Lower Upper
152 100
150 154.4 120.3 180.5
115 78.0 51.7 77.5#



#2

1,4-Dioxane
Concen: 0.360 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE101087.D
Acq: 17 Jan 2020 16:31

Tgt Ion: 88 Resp: 1206
Ion Ratio Lower Upper
88 100
58 70.4 53.0 79.4
43 27.5 23.4 35.2



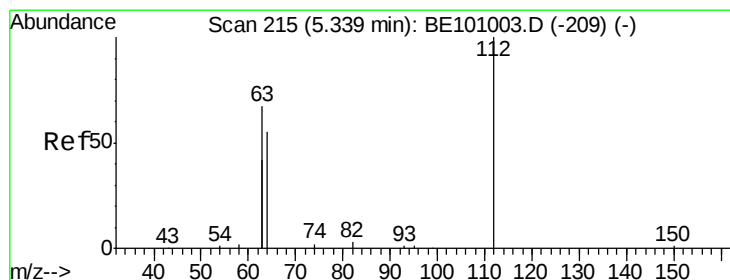
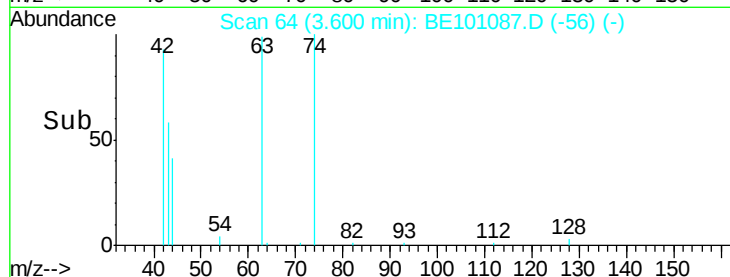
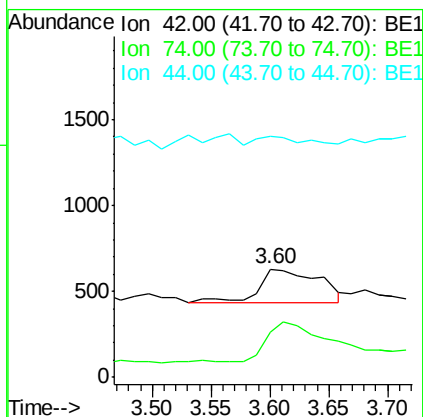
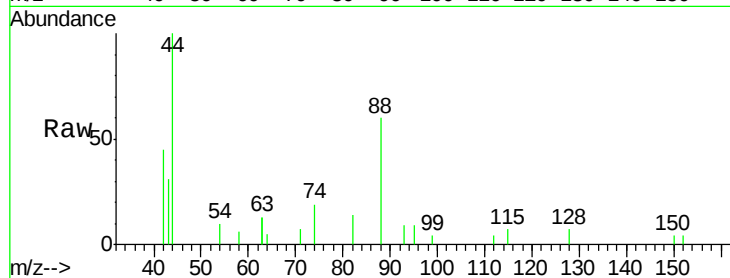


#3

n-Nitrosodimethylamine
Concen: 0.361 ng
RT: 3.60 min Scan# 64
Delta R.T. -0.01 min
Lab File: BE101087.D
Acq: 17 Jan 2020 16:31

Instrument :
BNA_E
ClientSampleId :
PB126161BS

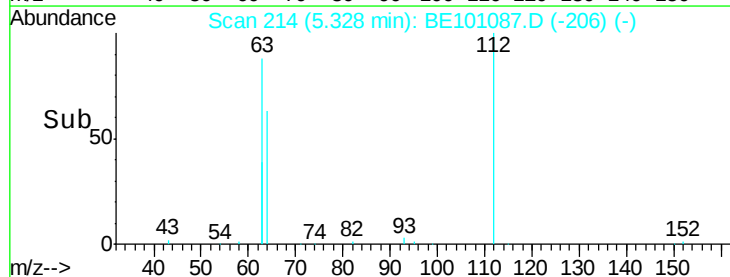
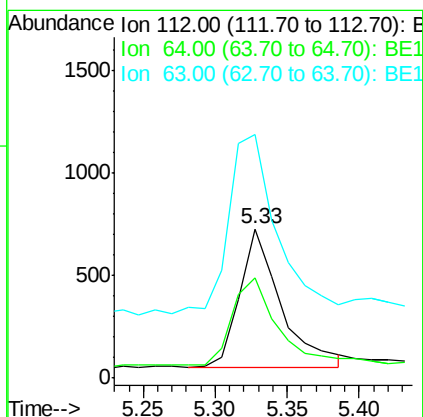
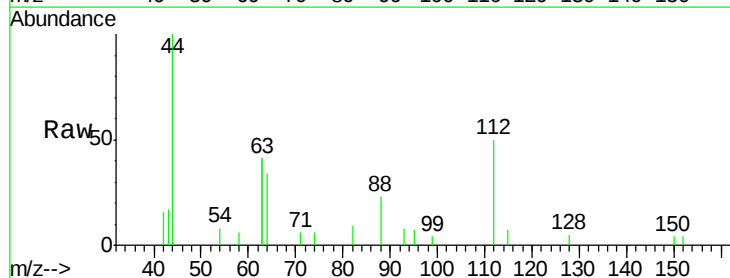
Tot Ion: 42 Resp: 673
Ion Ratio Lower Upper
42 100
74 109.2 105.7 158.5
44 20.5 10.0 15.0#



#4

2-Fluorophenol
Concen: 0.443 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101087.D
Acq: 17 Jan 2020 16:31

Tgt Ion: 112 Resp: 1339
Ion Ratio Lower Upper
112 100
64 69.8 53.6 80.4
63 152.7 114.6 172.0





#5

Phenol-d6

Concen: 0.346 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

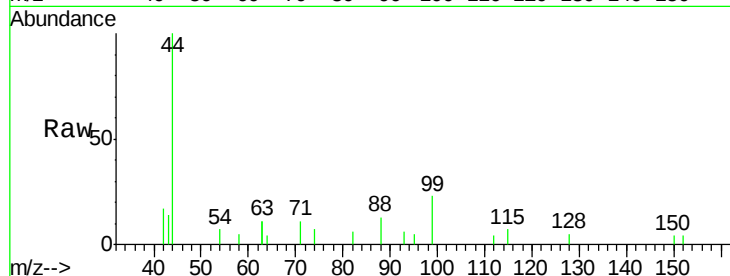
Tot Ion: 99 Resp: 1322

Ion Ratio Lower Upper

99 100

42 19.2 18.3 27.5

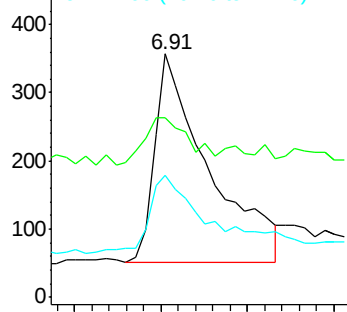
71 38.4 28.0 42.0



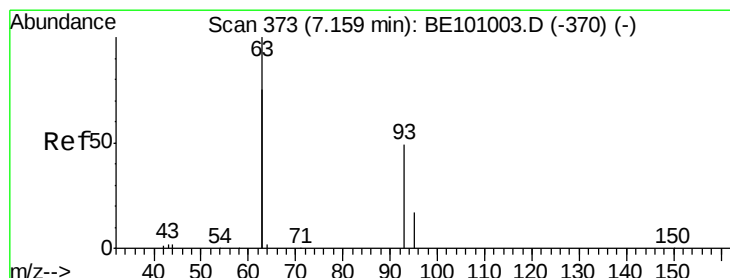
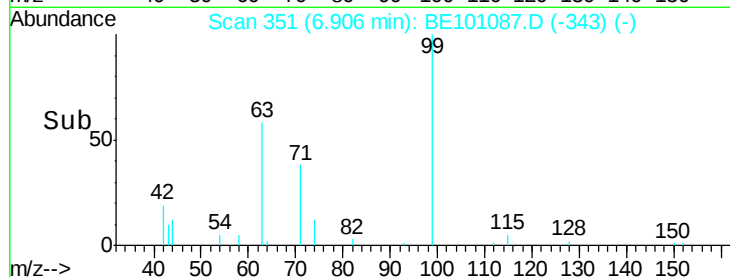
Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.334 ng

RT: 7.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

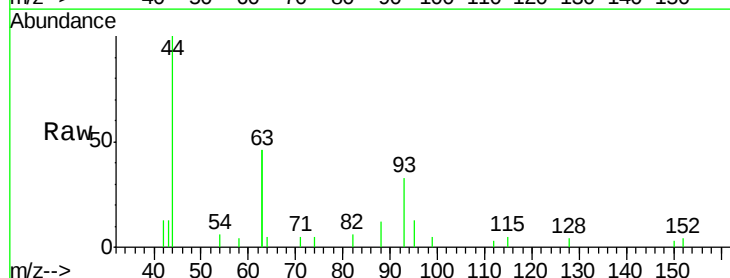
Tgt Ion: 93 Resp: 1519

Ion Ratio Lower Upper

93 100

63 283.1 233.9 350.9

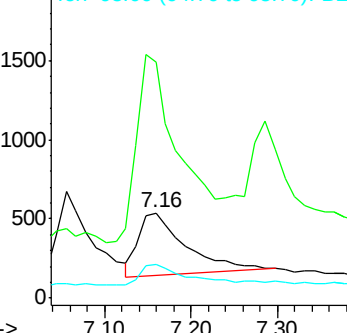
95 31.6 23.5 35.3



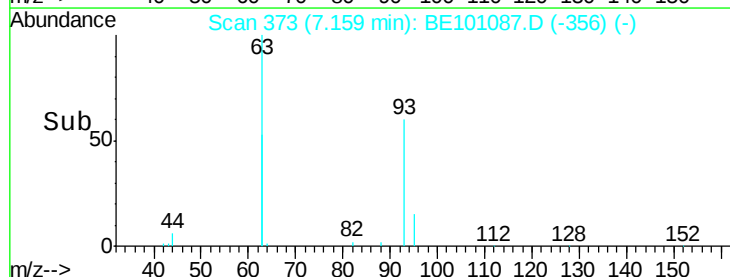
Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

Tot Ion:136 Resp: 6217

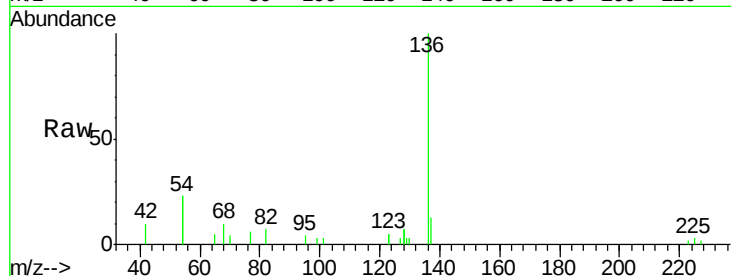
Ion Ratio Lower Upper

136 100

137 13.2 9.3 13.9

54 46.7 36.8 55.2

68 10.2 8.4 12.6

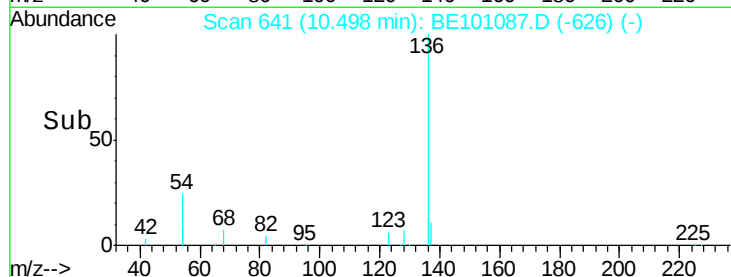
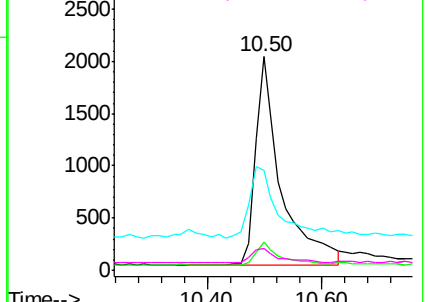


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.323 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

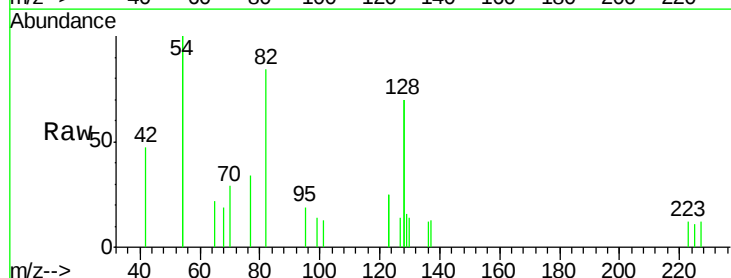
Tgt Ion: 82 Resp: 1435

Ion Ratio Lower Upper

82 100

128 165.7 109.8 164.6#

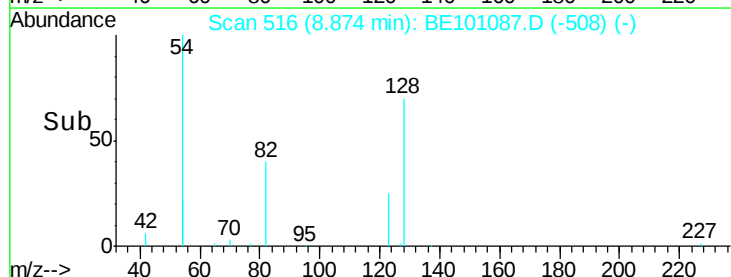
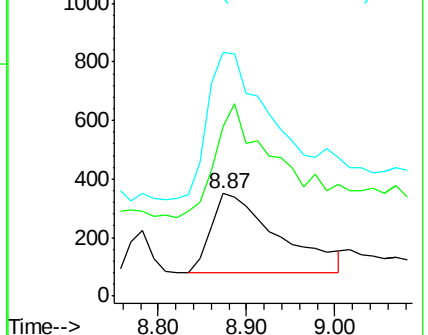
54 237.7 174.5 261.7



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.393 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

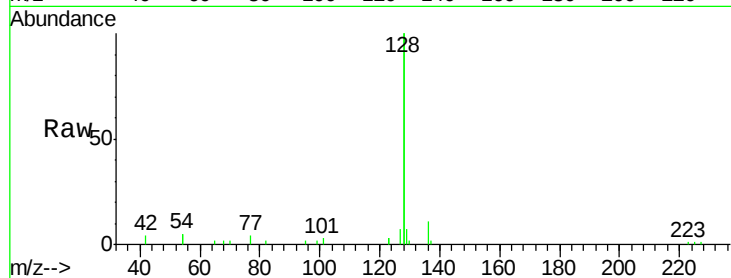
Tot Ion:128 Resp: 27128

Ion Ratio Lower Upper

128 100

129 3.6 2.3 3.5#

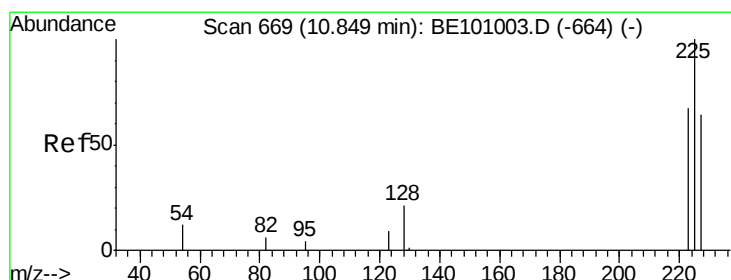
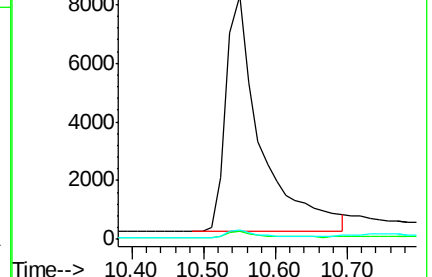
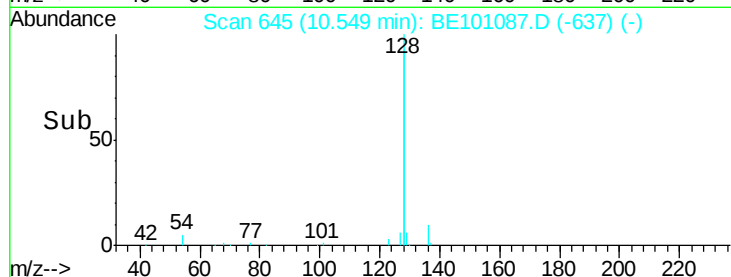
127 3.7 2.7 4.1



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: 0.420 ng

RT: 10.84 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

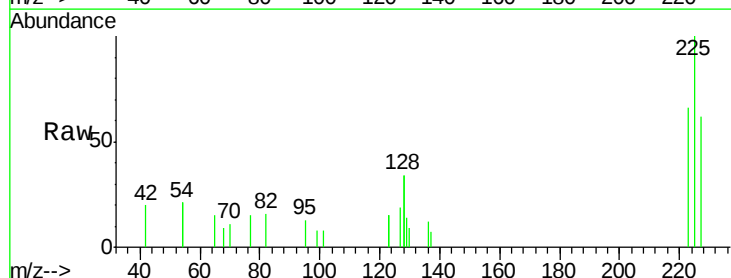
Tgt Ion:225 Resp: 1229

Ion Ratio Lower Upper

225 100

223 63.5 52.2 78.4

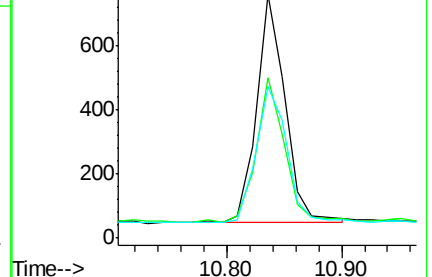
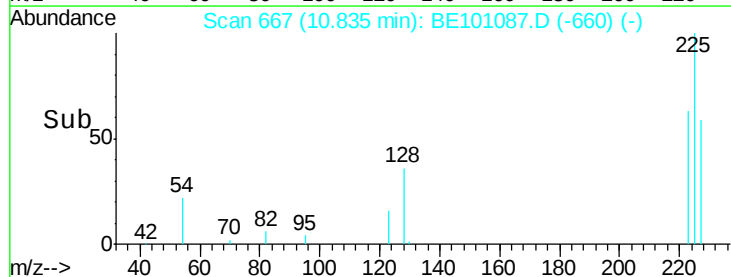
227 64.2 49.9 74.9

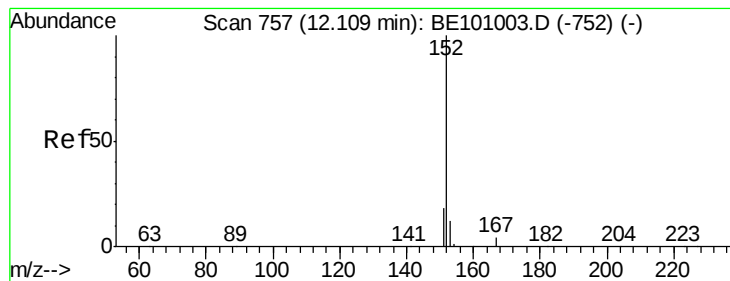


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.413 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

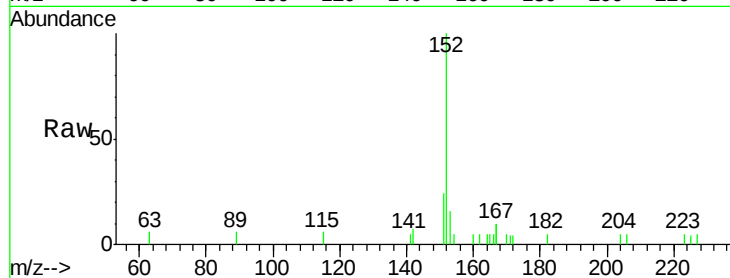
PB126161BS

Tot Ion:152 Resp: 4905

Ion Ratio Lower Upper

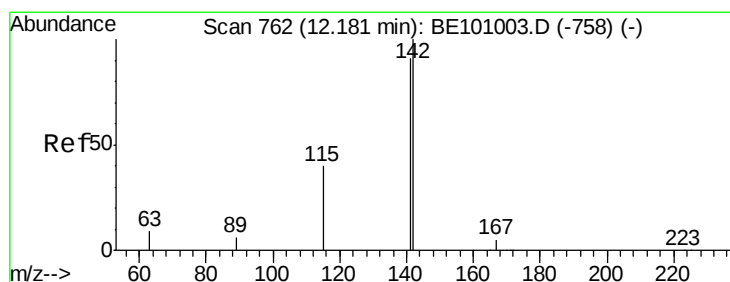
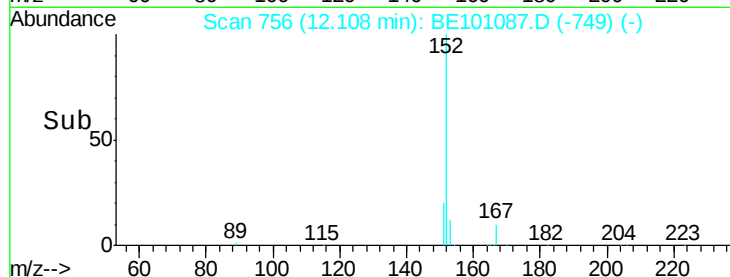
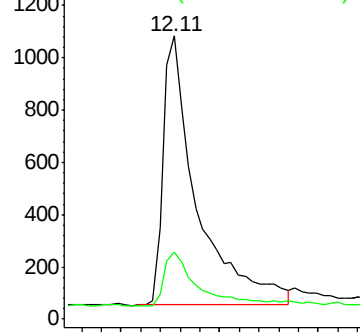
152 100

151 20.1 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.387 ng

RT: 12.18 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

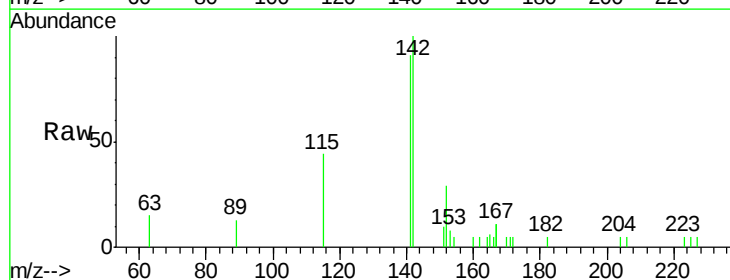
Tgt Ion:142 Resp: 4044

Ion Ratio Lower Upper

142 100

141 91.0 72.5 108.7

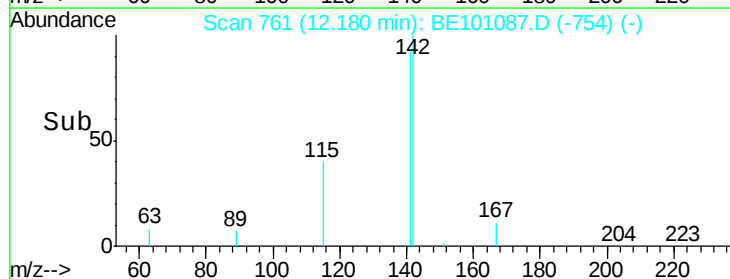
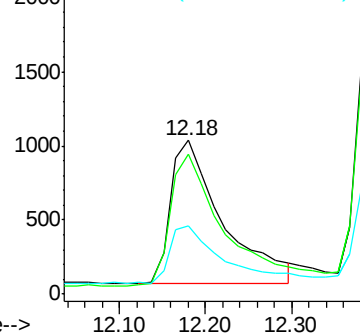
115 44.4 33.0 49.6



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

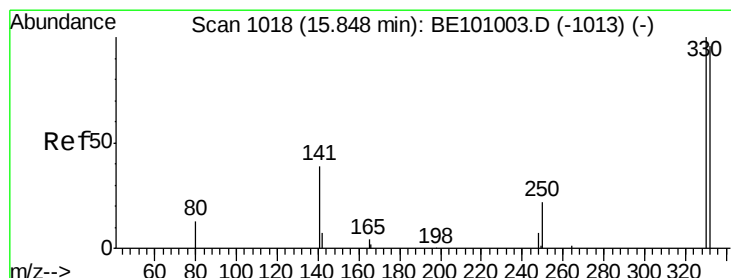
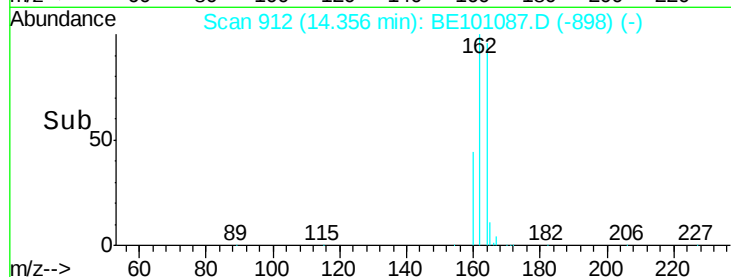
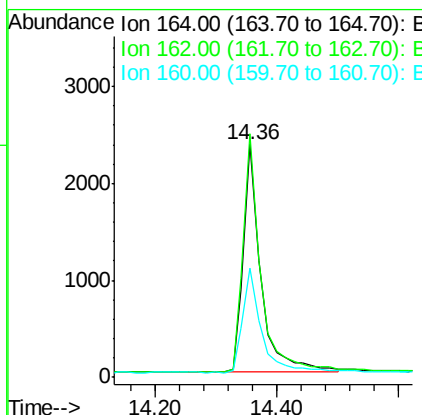
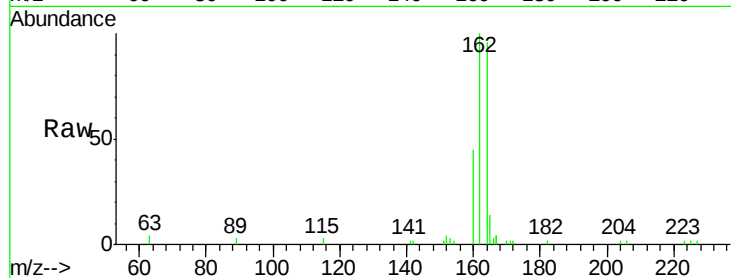




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101087.D
Acq: 17 Jan 2020 16:31

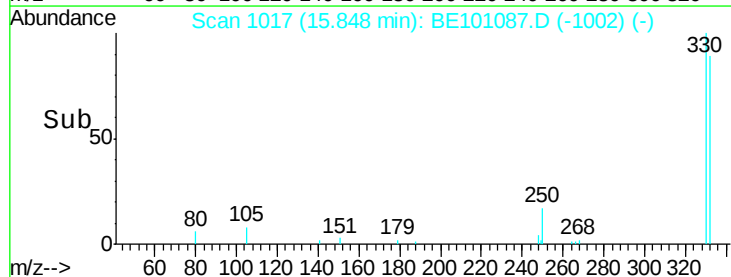
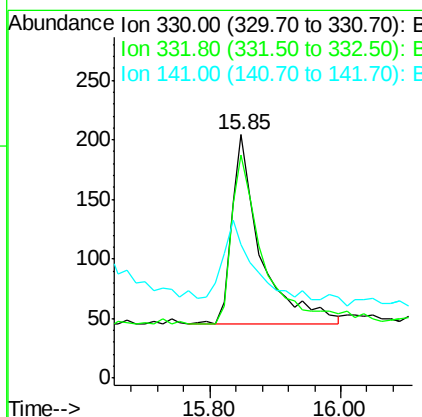
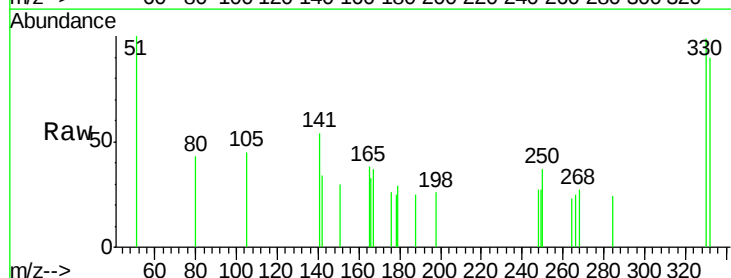
Instrument :
BNA_E
ClientSampleId :
PB126161BS

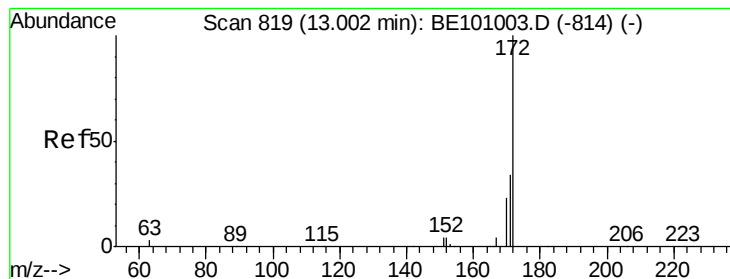
Tot Ion:164 Resp: 4789
Ion Ratio Lower Upper
164 100
162 104.4 84.1 126.1
160 46.9 40.4 60.6



#14
2,4,6-Tribromophenol
Concen: 0.361 ng
RT: 15.85 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE101087.D
Acq: 17 Jan 2020 16:31

Tgt Ion:330 Resp: 488
Ion Ratio Lower Upper
330 100
332 96.5 78.4 117.6
141 42.8 37.0 55.4





#15

2-Fluorobiphenyl

Concen: 0.345 ng

RT: 12.99 min Scan# 817

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

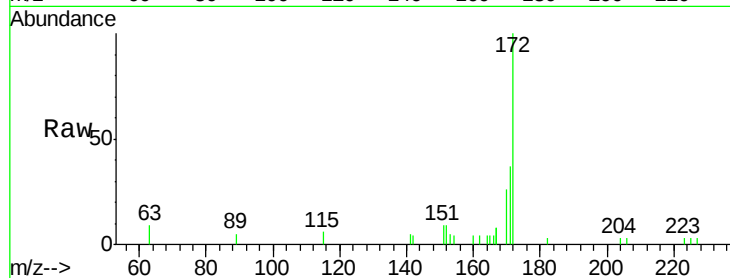
Tot Ion:172 Resp: 6278

Ion Ratio Lower Upper

172 100

171 37.0 28.2 42.2

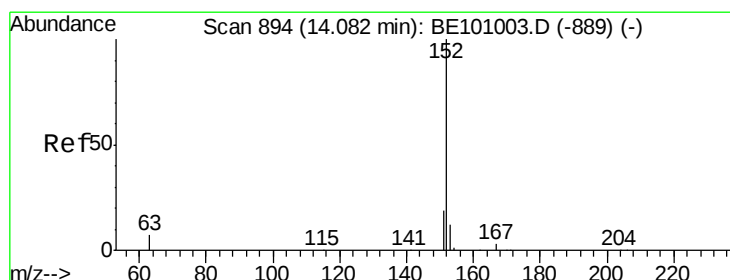
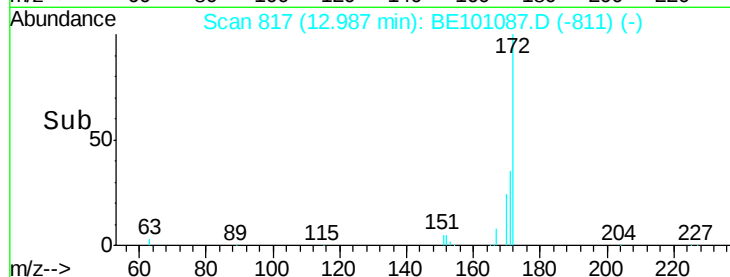
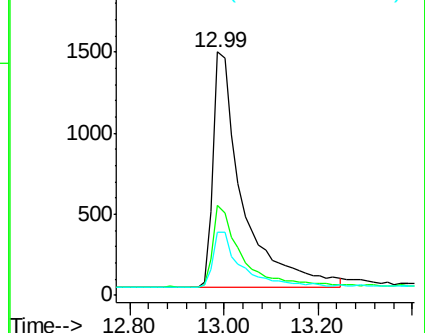
170 26.2 18.9 28.3



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: 0.359 ng

RT: 14.08 min Scan# 893

Delta R.T. -0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

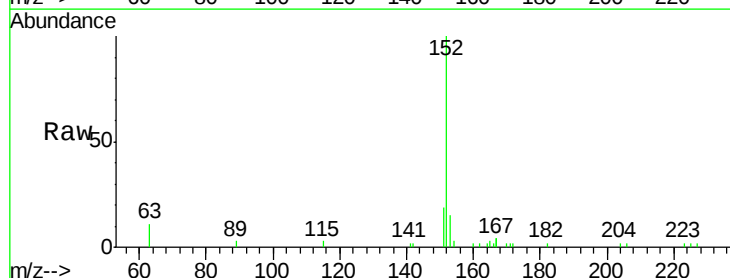
Tgt Ion:152 Resp: 7001

Ion Ratio Lower Upper

152 100

151 19.4 15.5 23.3

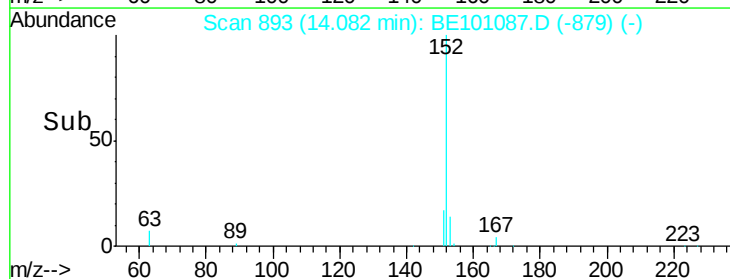
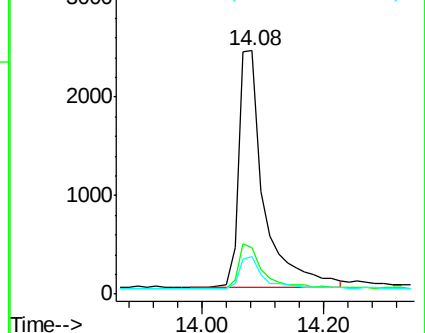
153 13.2 10.4 15.6



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

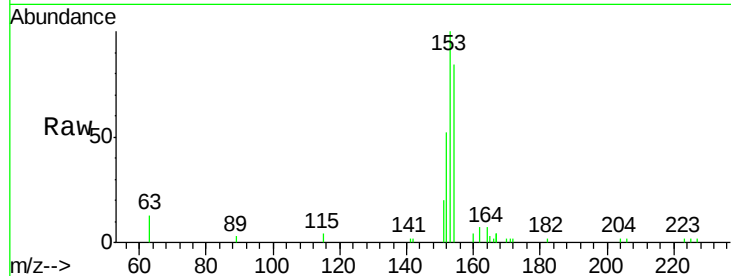




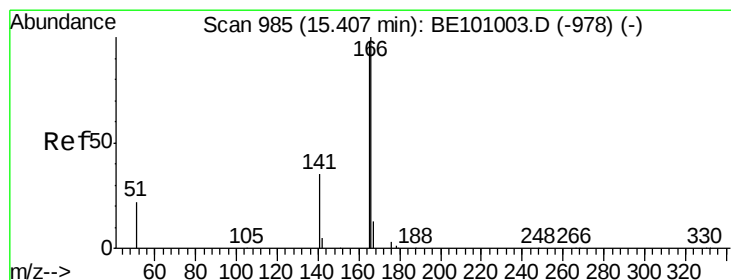
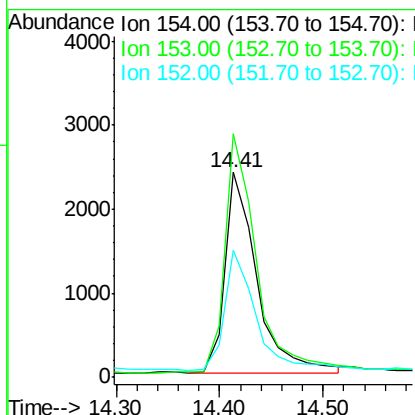
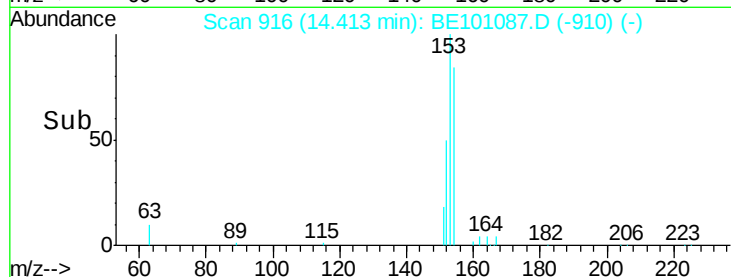
#17
Acenaphthene
Concen: 0.366 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.01 min
Lab File: BE101087.D
Acq: 17 Jan 2020 16:31

Instrument :
BNA_E
ClientSampleId :
PB126161BS

Tot Ion:154 Resp: 5113
Ion Ratio Lower Upper
154 100
153 117.0 93.6 140.4
152 58.4 46.3 69.5

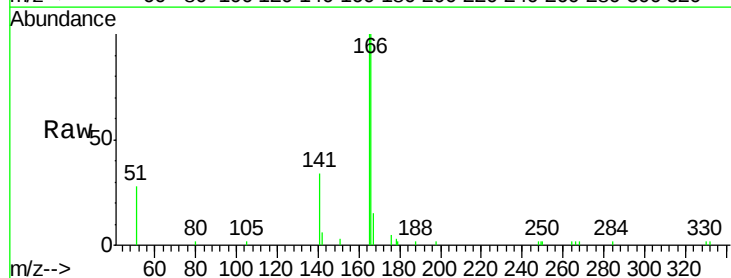


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

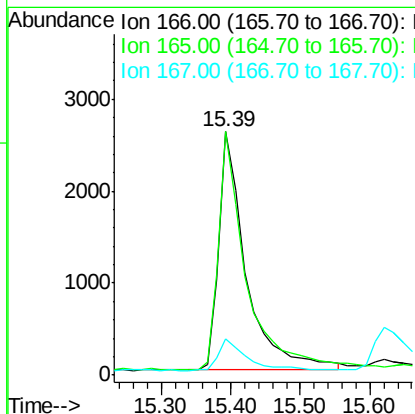
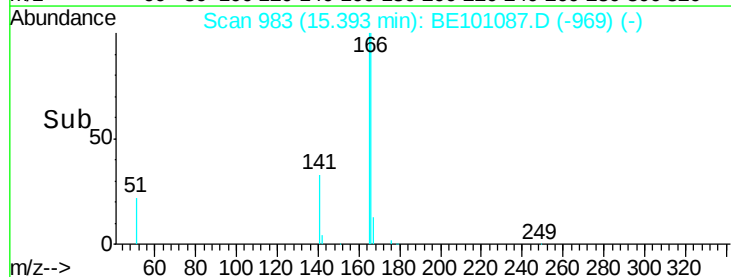


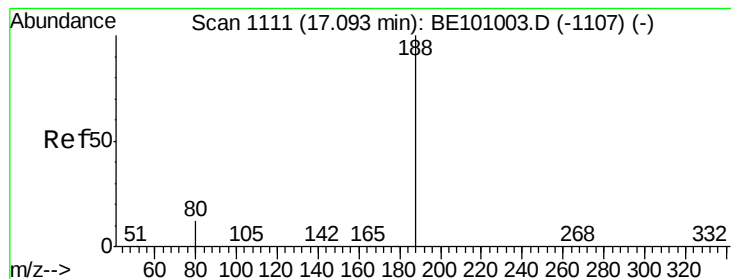
#18
Fluorene
Concen: 0.401 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101087.D
Acq: 17 Jan 2020 16:31

Tgt Ion:166 Resp: 7085
Ion Ratio Lower Upper
166 100
165 99.4 79.8 119.8
167 13.7 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: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

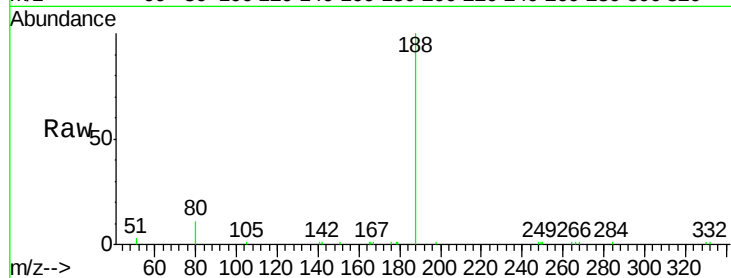
Tot Ion:188 Resp: 14183

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

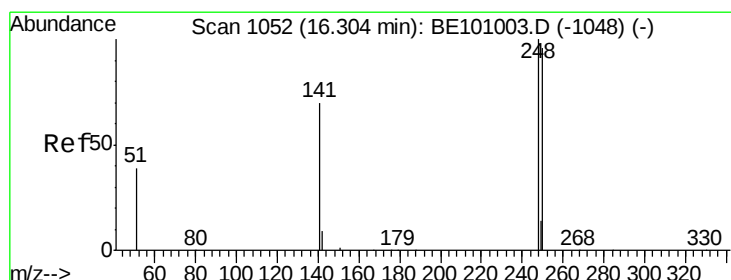
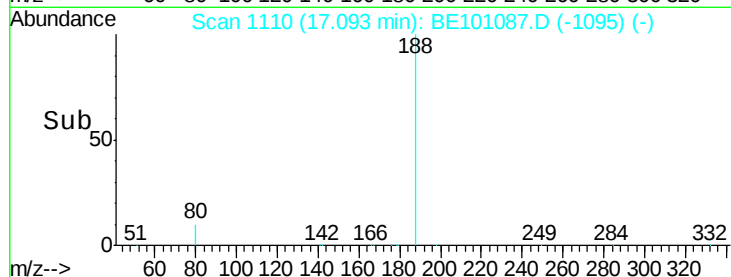
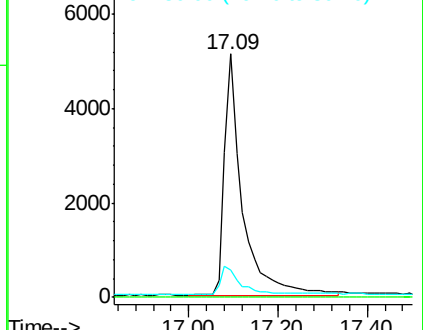
80 11.3 10.8 16.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.318 ng

RT: 16.29 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

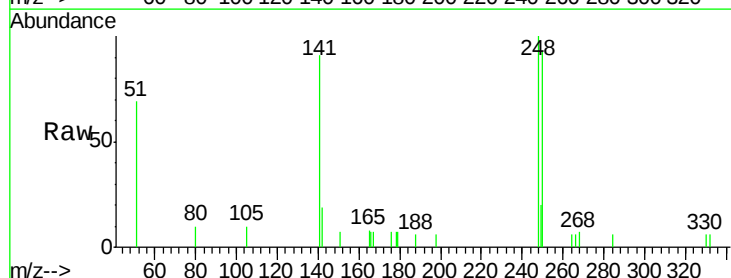
Tgt Ion:248 Resp: 2202

Ion Ratio Lower Upper

248 100

250 93.0 76.6 115.0

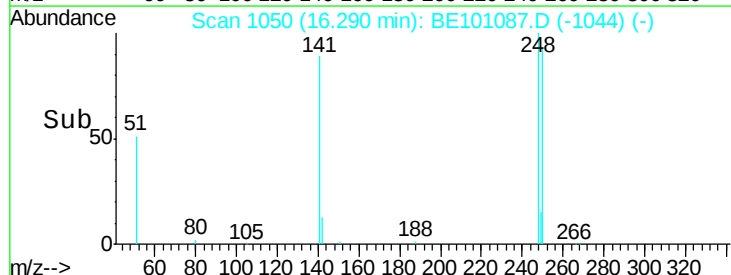
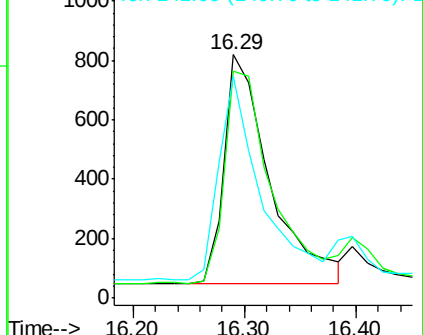
141 91.1 57.7 86.5#



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: 0.353 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

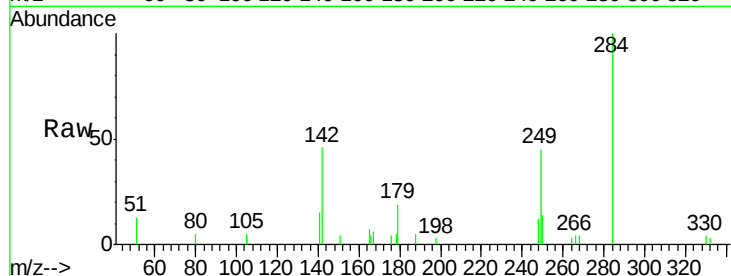
Tot Ion:284 Resp: 2677

Ion Ratio Lower Upper

284 100

142 40.3 34.0 51.0

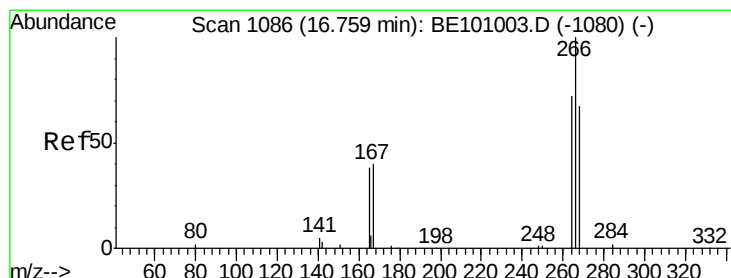
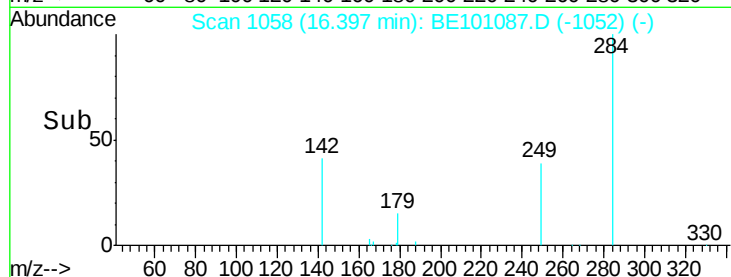
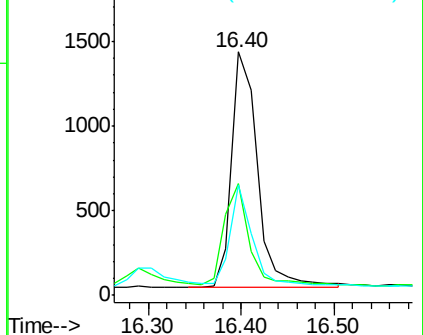
249 35.1 28.2 42.4



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: 0.337 ng

RT: 16.76 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

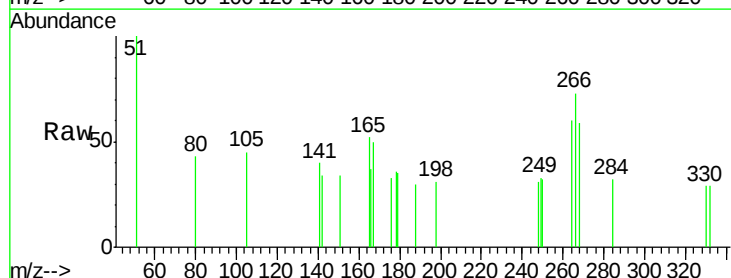
Tgt Ion:266 Resp: 231

Ion Ratio Lower Upper

266 100

264 81.8 61.0 91.4

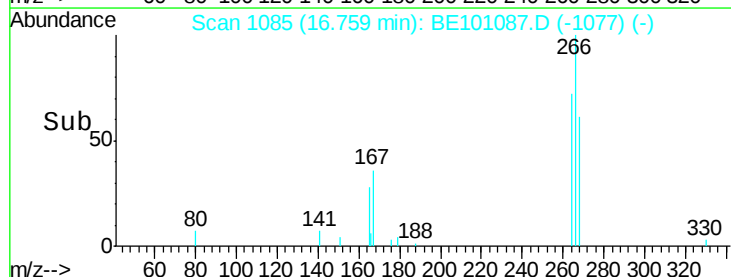
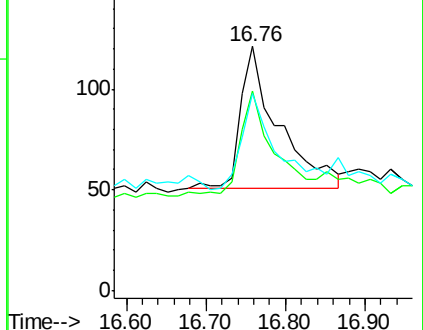
268 81.0 58.5 87.7

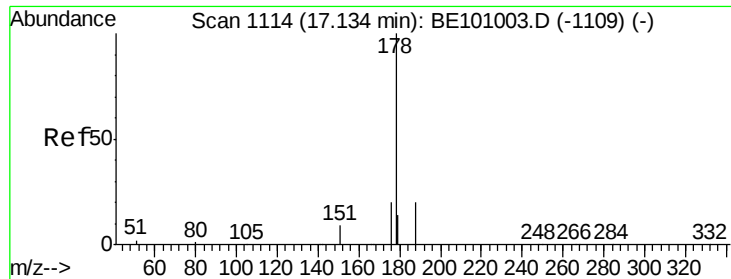


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.364 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

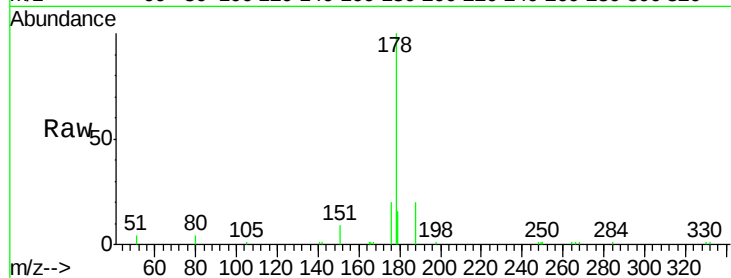
Tot Ion:178 Resp: 14093

Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

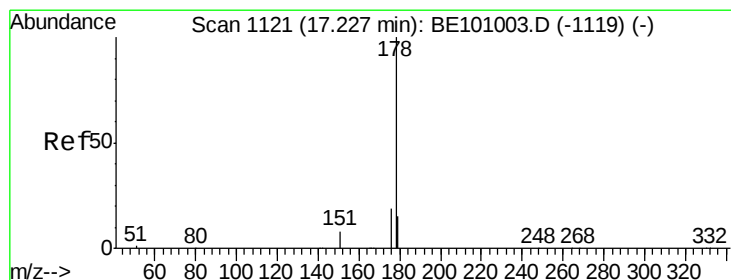
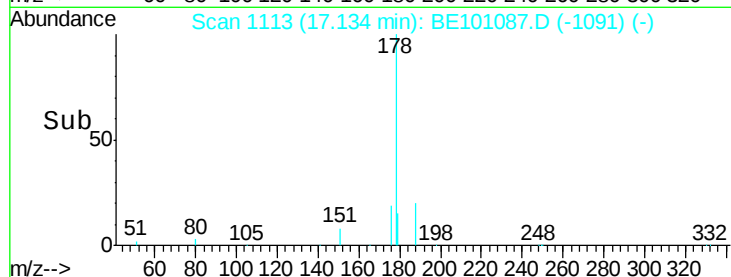
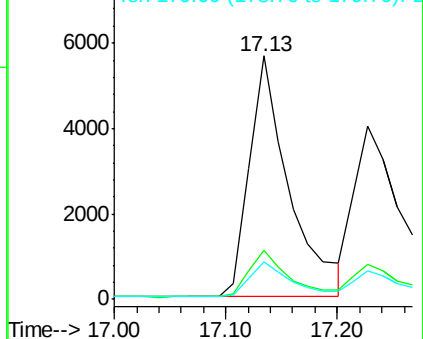
179 15.5 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.372 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

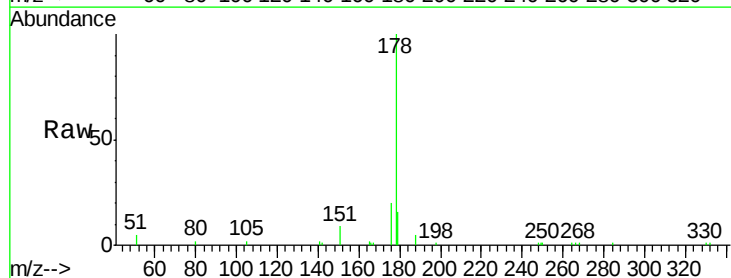
Tgt Ion:178 Resp: 13609

Ion Ratio Lower Upper

178 100

176 20.1 14.8 22.2

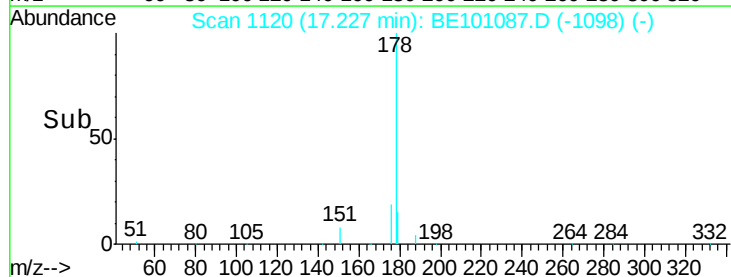
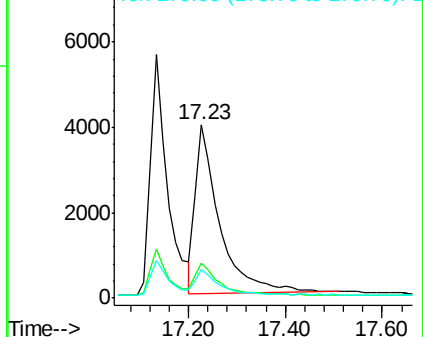
179 14.3 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.463 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

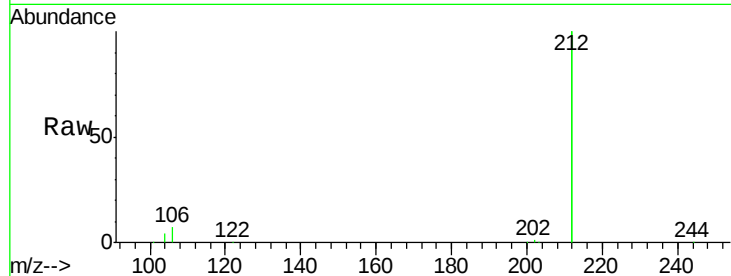
Tot Ion:212 Resp: 91272

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

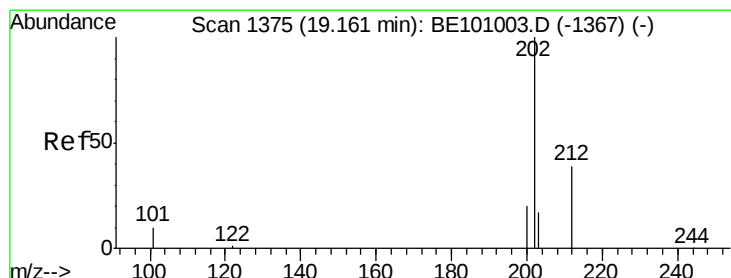
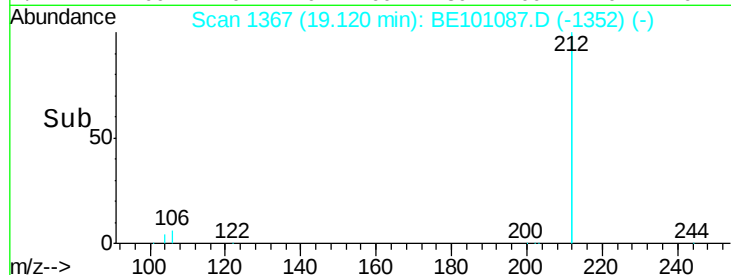
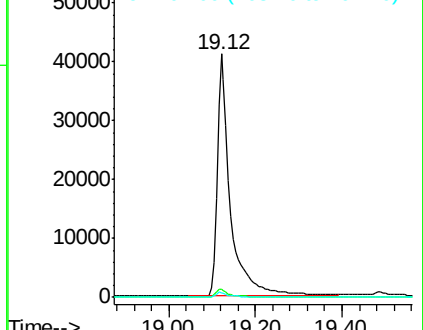
104 1.9 1.4 2.0



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: 0.466 ng

RT: 19.15 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

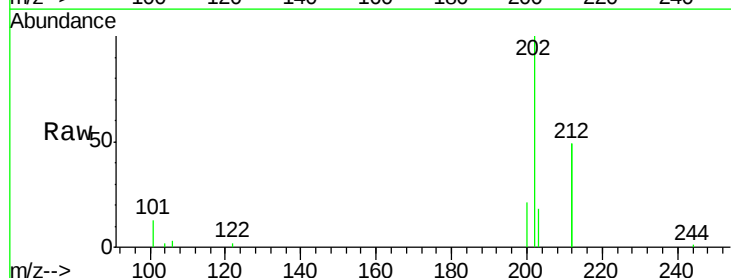
Tgt Ion:202 Resp: 22623

Ion Ratio Lower Upper

202 100

101 11.8 9.6 14.4

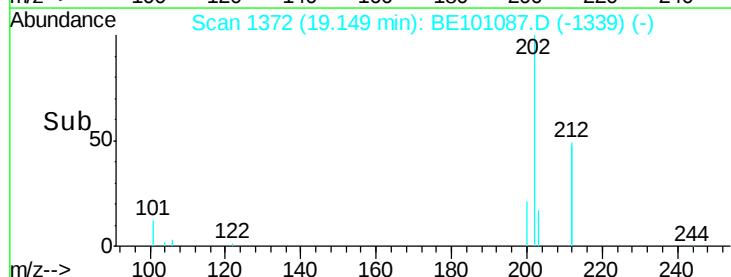
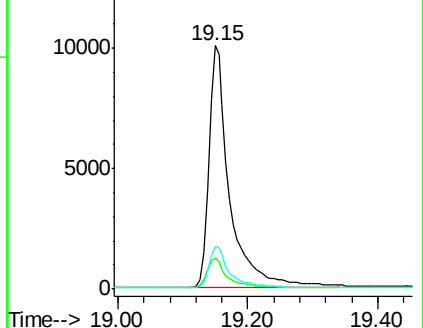
203 16.6 13.8 20.6



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: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

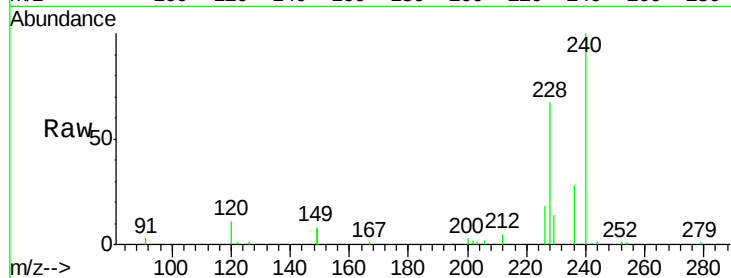
Tot Ion:240 Resp: 21490

Ion Ratio Lower Upper

240 100

120 10.7 8.6 13.0

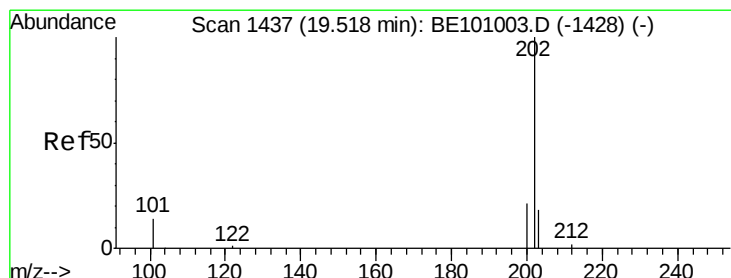
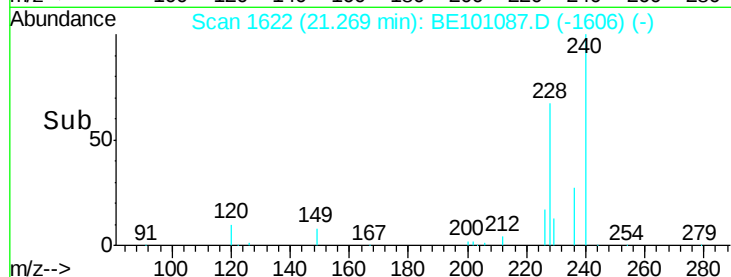
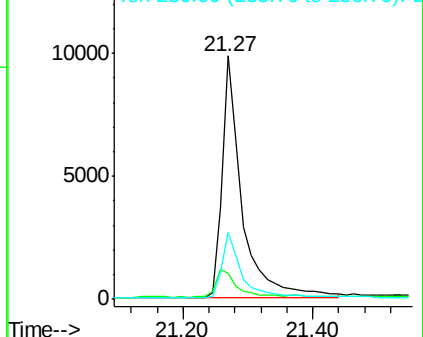
236 27.5 22.2 33.4



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: 0.298 ng

RT: 19.51 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

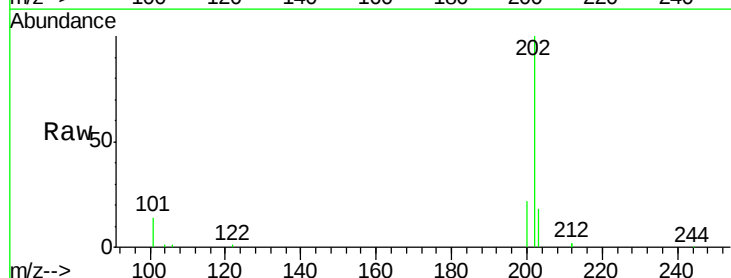
Tgt Ion:202 Resp: 23859

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

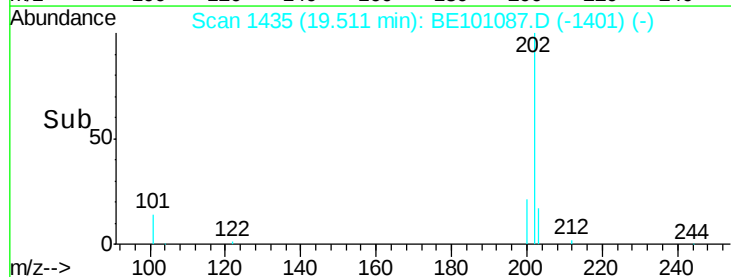
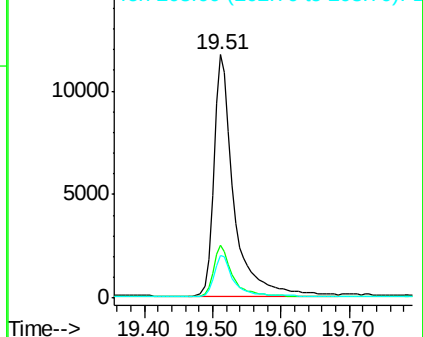
203 17.6 13.8 20.6



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: 0.318 ng

RT: 19.73 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

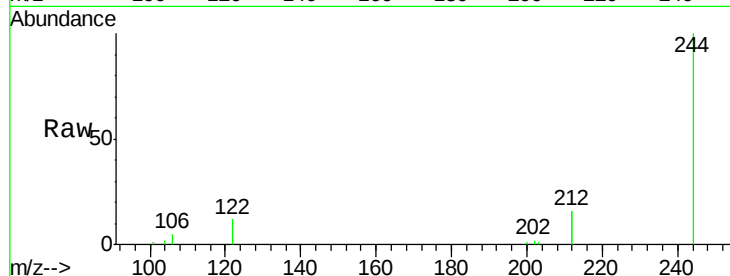
Tot Ion:244 Resp: 16777

Ion Ratio Lower Upper

244 100

212 32.5 27.2 40.8

122 12.5 9.8 14.8

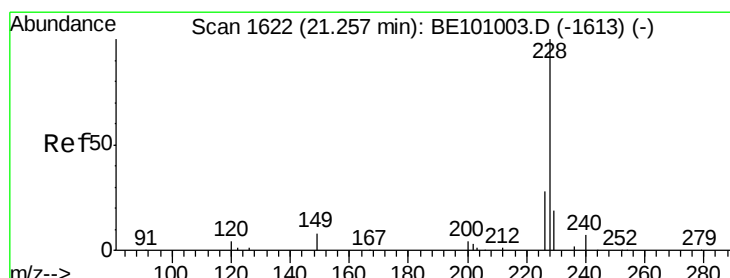
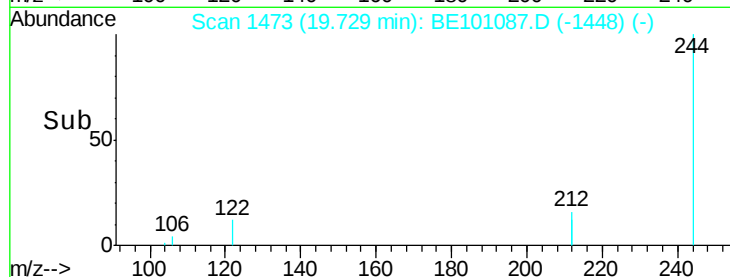


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#30

Benzo(a)anthracene

Concen: 0.381 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

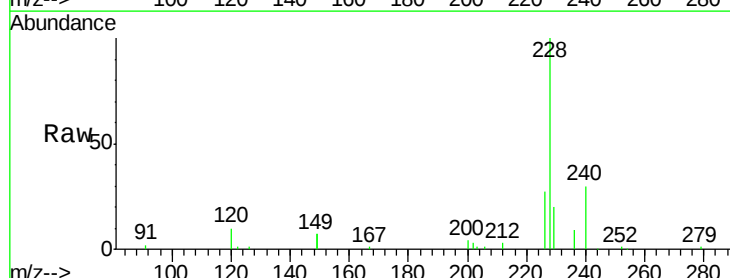
Tgt Ion:228 Resp: 23366

Ion Ratio Lower Upper

228 100

226 27.1 22.7 34.1

229 19.9 15.5 23.3

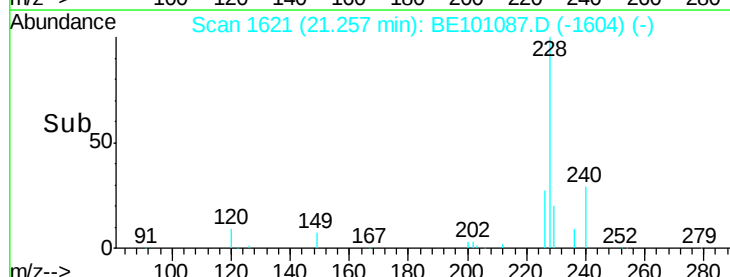


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->





#31

Chrysene

Concen: 0.399 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

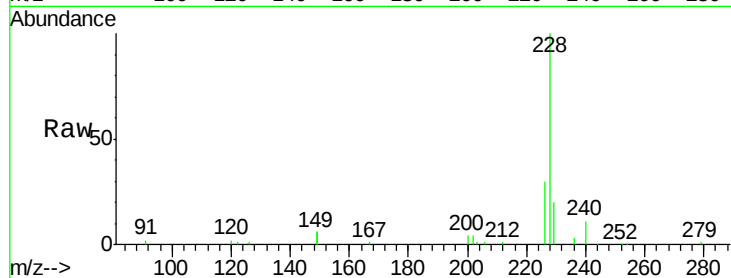
Tot Ion:228 Resp: 36409

Ion Ratio Lower Upper

228 100

226 29.9 23.5 35.3

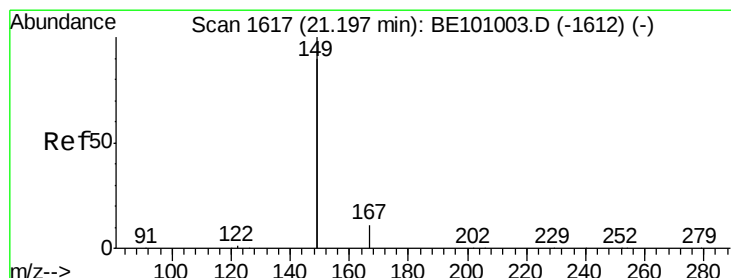
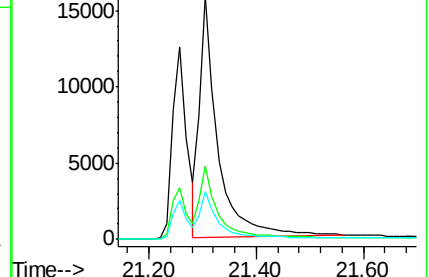
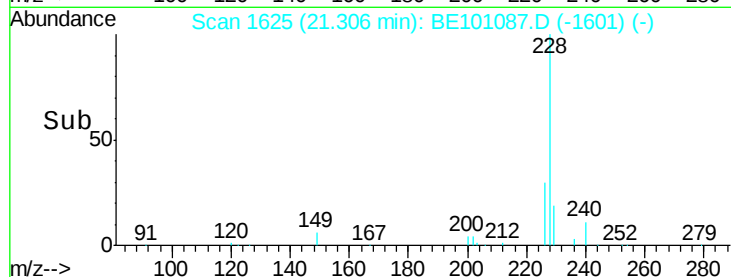
229 19.7 16.7 25.1



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: 0.380 ng

RT: 21.20 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

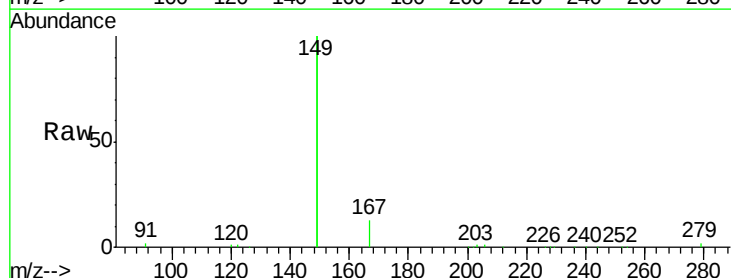
Tgt Ion:149 Resp: 38830

Ion Ratio Lower Upper

149 100

167 6.5 5.2 7.8

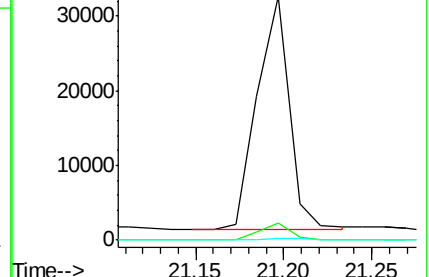
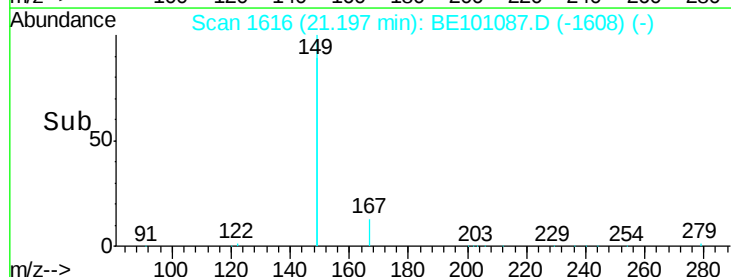
279 0.8 0.8 1.2



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: 0.307 ng

RT: 26.23 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

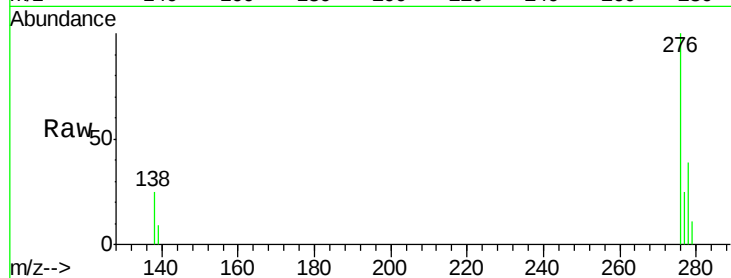
Tot Ion:276 Resp: 22085

Ion Ratio Lower Upper

276 100

138 22.0 16.1 24.1

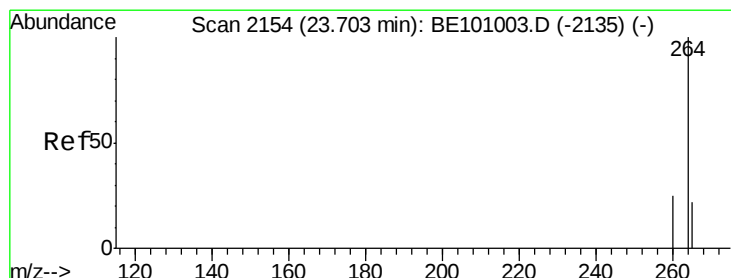
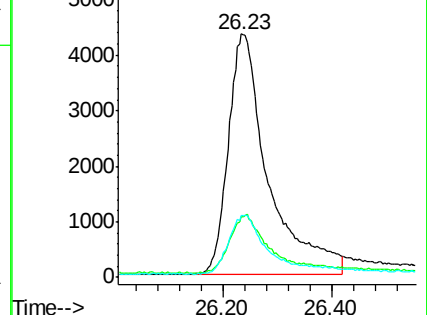
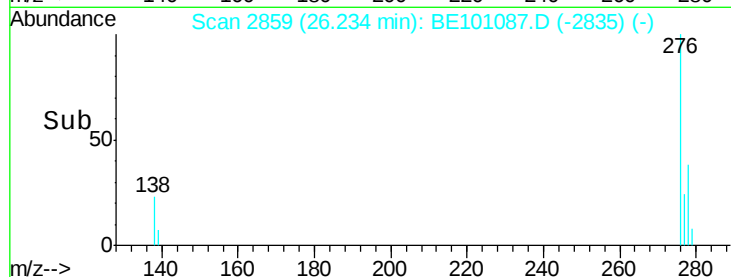
277 23.6 18.1 27.1



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: 23.69 min Scan# 2150

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

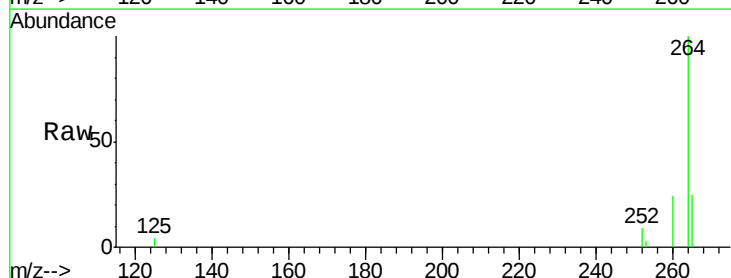
Tgt Ion:264 Resp: 21234

Ion Ratio Lower Upper

264 100

260 24.4 20.3 30.5

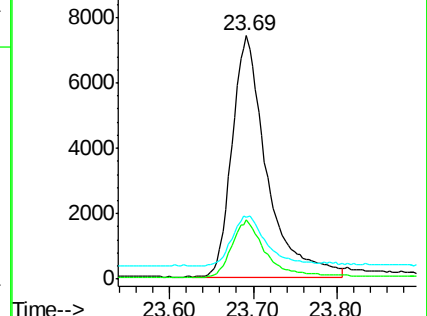
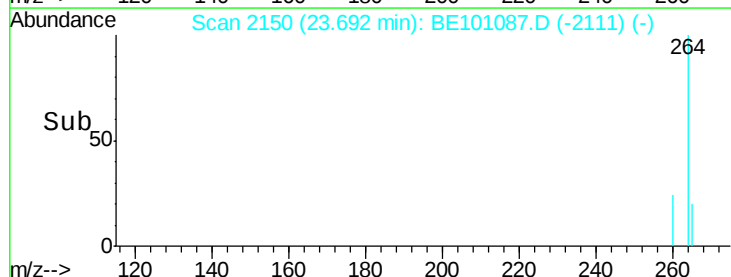
265 25.5 27.0 40.4#

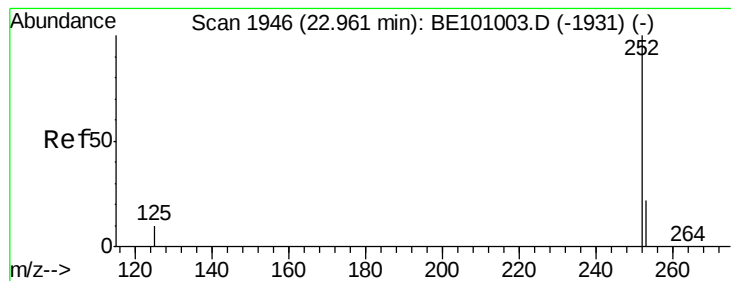


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.382 ng

RT: 22.95 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

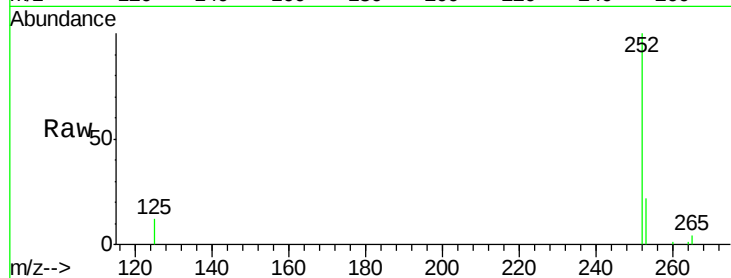
Tot Ion:252 Resp: 22767

Ion Ratio Lower Upper

252 100

253 22.2 18.5 27.7

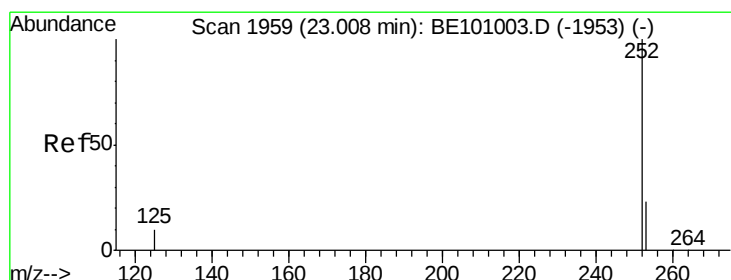
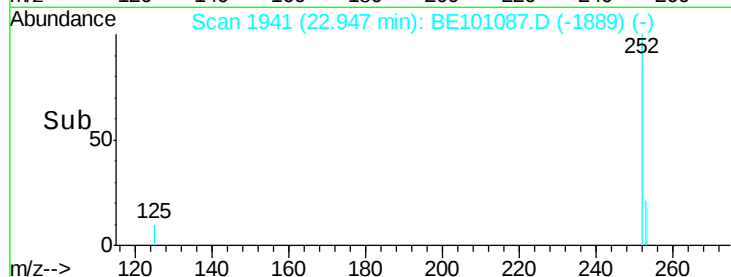
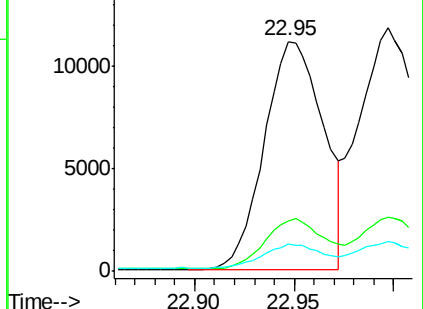
125 11.7 9.5 14.3



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: 0.364 ng

RT: 23.00 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

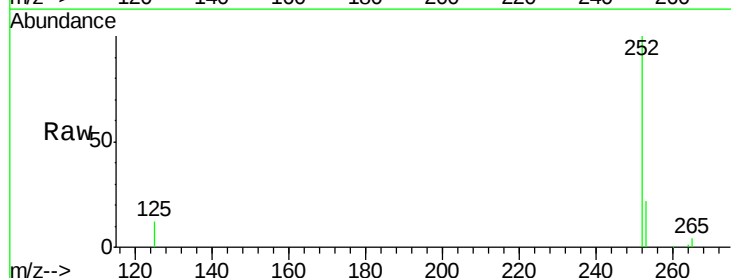
Tgt Ion:252 Resp: 31405

Ion Ratio Lower Upper

252 100

253 22.2 18.9 28.3

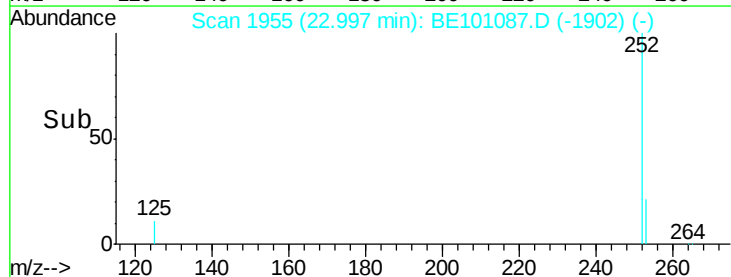
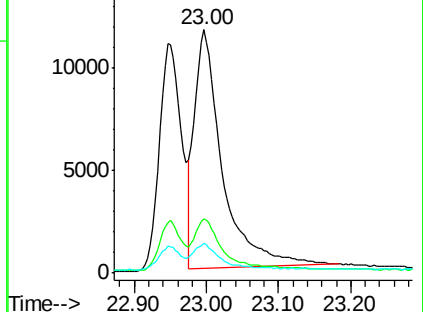
125 12.3 10.1 15.1

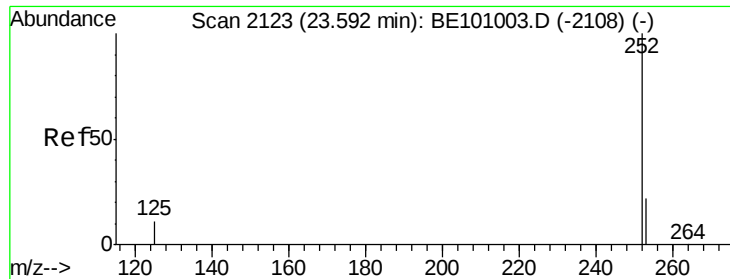


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.384 ng

RT: 23.58 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS

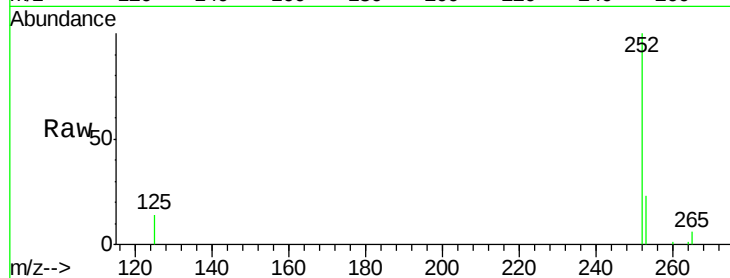
Tot Ion:252 Resp: 22100

Ion Ratio Lower Upper

252 100

253 23.3 19.4 29.2

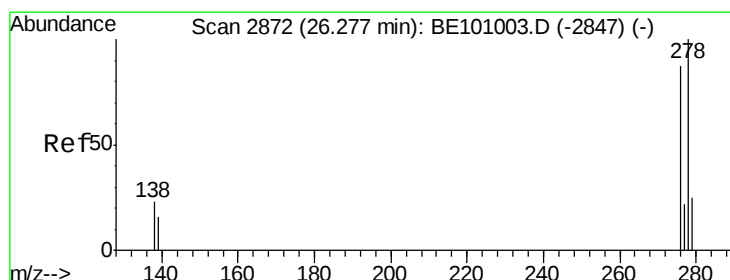
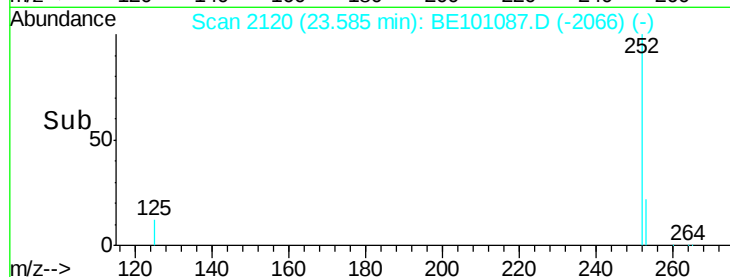
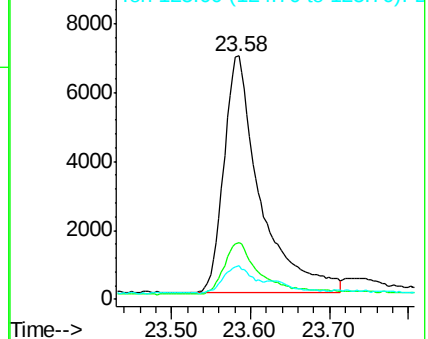
125 14.0 11.8 17.6



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: 0.312 ng

RT: 26.26 min Scan# 2866

Delta R.T. -0.02 min

Lab File: BE101087.D

Acq: 17 Jan 2020 16:31

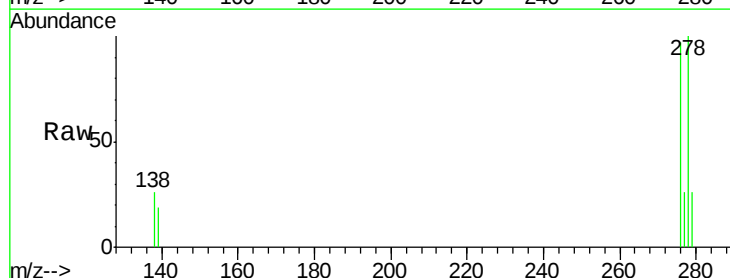
Tgt Ion:278 Resp: 16548

Ion Ratio Lower Upper

278 100

139 19.1 15.0 22.4

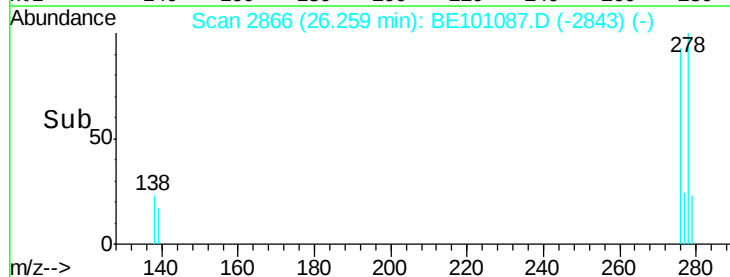
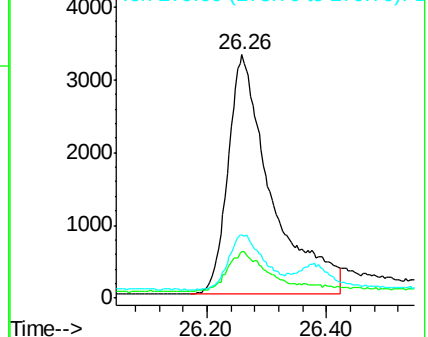
279 25.9 22.6 33.8



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: 0.298 ng

RT: 27.00 min Scan# 3075

Delta R.T. -0.02 min

Lab File: BE101087.D

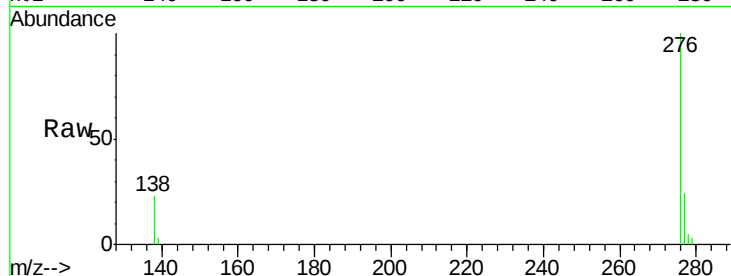
Acq: 17 Jan 2020 16:31

Instrument :

BNA_E

ClientSampleId :

PB126161BS



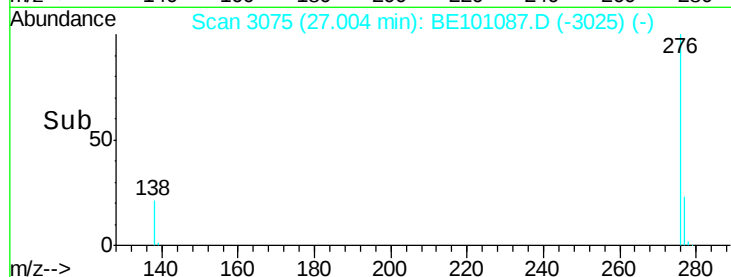
Tot Ion: 276 Resp: 19430

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.2

138 22.7 17.9 26.9



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

