

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050919\
 Data File : BE099589.D
 Acq On : 9 May 2019 13:41
 Operator : JU/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 09 15:23:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 09 13:32:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1388	0.40	ng	0.01
7) Naphthalene-d8	10.64	136	4941	0.40	ng	0.01
13) Acenaphthene-d10	14.50	164	3212	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	9084	0.40	ng	0.00
27) Chrysene-d12	21.43	240	13131	0.40	ng	0.00
34) Perylene-d12	23.98	264	15037	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1536	0.40	ng	0.00
5) Phenol-d6	6.99	99	1909	0.38	ng	0.01
8) Nitrobenzene-d5	8.99	82	1791	0.39	ng	0.01
11) 2-Methylnaphthalene-d10	12.24	152	3317	0.40	ng	0.01
14) 2,4,6-Tribromophenol	16.00	330	780	0.41	ng	0.01
15) 2-Fluorobiphenyl	13.12	172	5104	0.41	ng	0.00
25) Fluoranthene-d10	19.28	212	48245	0.40	ng	0.00
29) Terphenyl-d14	19.87	244	9452	0.41	ng	0.00

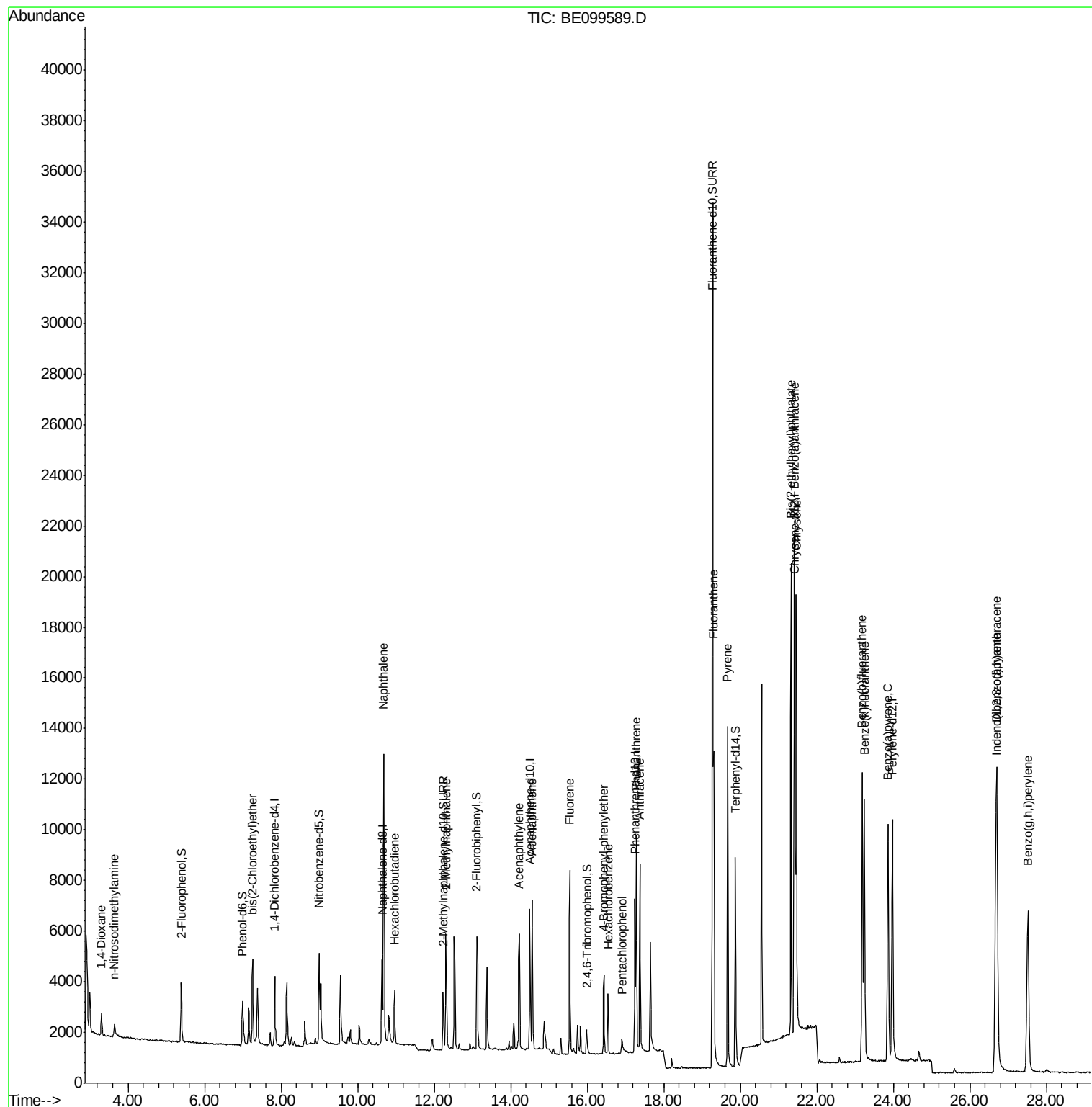
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	852	0.436	ng	# 93
3) n-Nitrosodimethylamine	3.64	42	468	0.386	ng	# 82
6) bis(2-Chloroethyl)ether	7.25	93	1731	0.418	ng	88
9) Naphthalene	10.68	128	21340	0.405	ng	100
10) Hexachlorobutadiene	10.96	225	1514	0.398	ng	93
12) 2-Methylnaphthalene	12.31	142	3488	0.406	ng	96
16) Acenaphthylene	14.23	152	6176	0.397	ng	99
17) Acenaphthene	14.56	154	3492	0.402	ng	99
18) Fluorene	15.54	166	4999	0.404	ng	99
20) 4-Bromophenyl-phenylether	16.44	248	2002	0.386	ng	# 84
21) Hexachlorobenzene	16.55	284	2111	0.406	ng	99
22) Pentachlorophenol	16.91	266	634	0.467	ng	97
23) Phenanthrene	17.28	178	9137	0.405	ng	99
24) Anthracene	17.38	178	8306	0.392	ng	99
26) Fluoranthene	19.31	202	13857	0.408	ng	100
28) Pyrene	19.67	202	14110	0.408	ng	100
30) Benzo(a)anthracene	21.41	228	16094	0.401	ng	96
31) Chrysene	21.46	228	16868	0.421	ng	98
32) Bis(2-ethylhexyl)phthalate	21.33	149	22781	0.395	ng	100
33) Indeno(1,2,3-cd)pyrene	26.68	276	21007	0.420	ng	99
35) Benzo(b)fluoranthene	23.19	252	16507	0.397	ng	99
36) Benzo(k)fluoranthene	23.24	252	16273	0.394	ng	99
37) Benzo(a)pyrene	23.86	252	16105	0.400	ng	97
38) Dibenzo(a,h)anthracene	26.71	278	16924	0.402	ng	99
39) Benzo(g,h,i)perylene	27.51	276	17391	0.408	ng	100

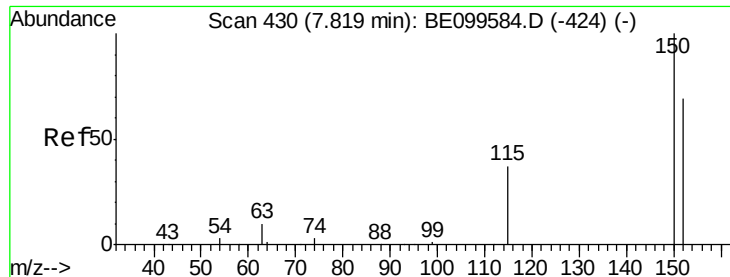
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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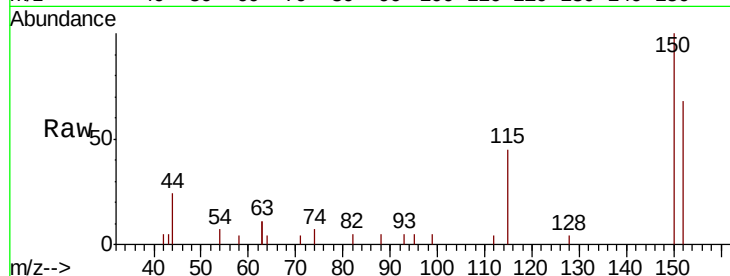


#1

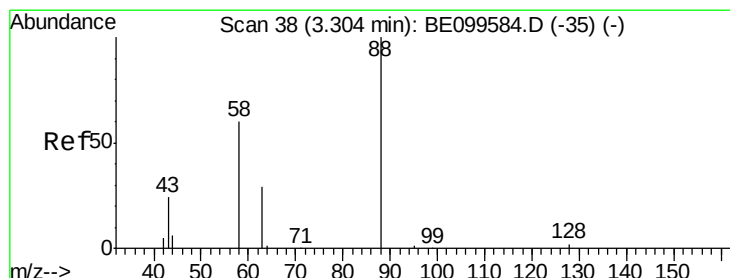
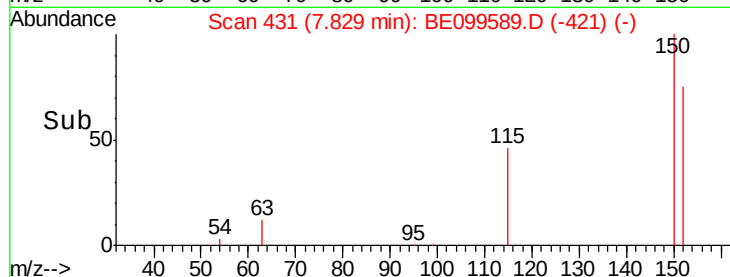
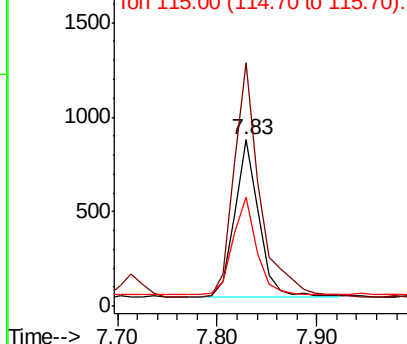
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 431
Delta R.T. 0.01 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 1388
Ion Ratio Lower Upper
152 100
150 146.3 114.2 171.4
115 65.7 45.4 68.0



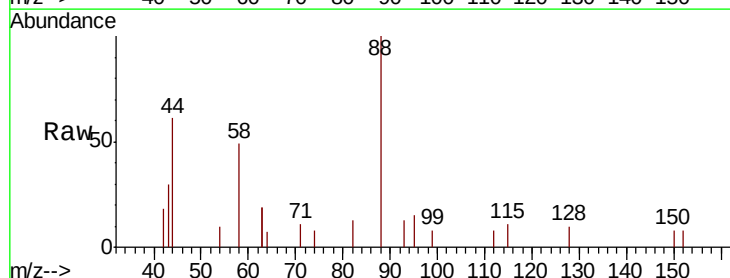
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



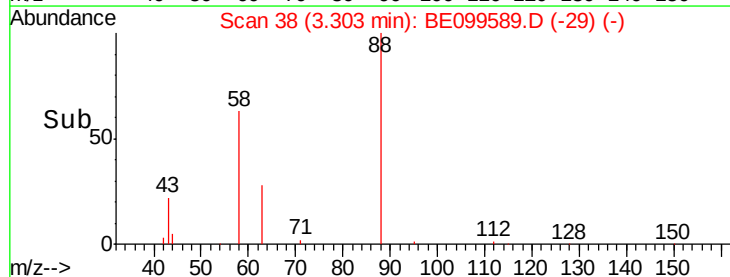
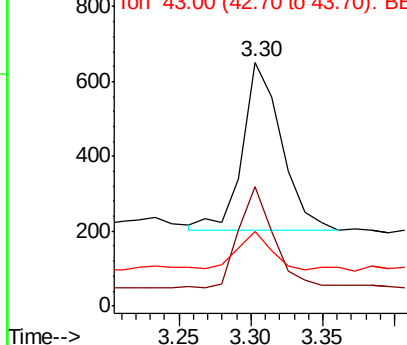
#2

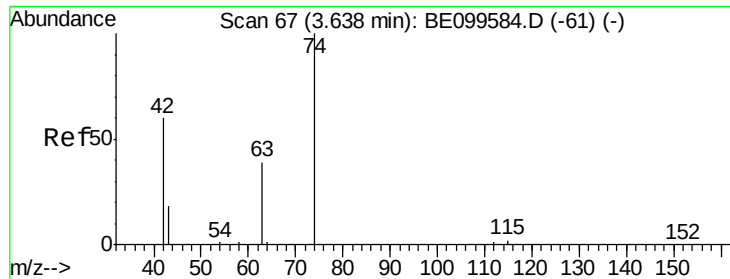
1,4-Dioxane
Concen: 0.436 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

Tgt Ion: 88 Resp: 852
Ion Ratio Lower Upper
88 100
58 54.2 41.3 61.9
43 19.5 21.0 31.6#



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



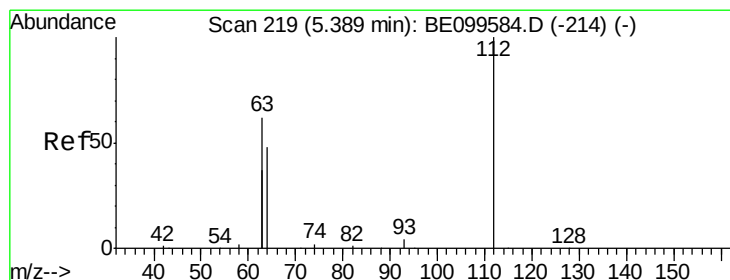
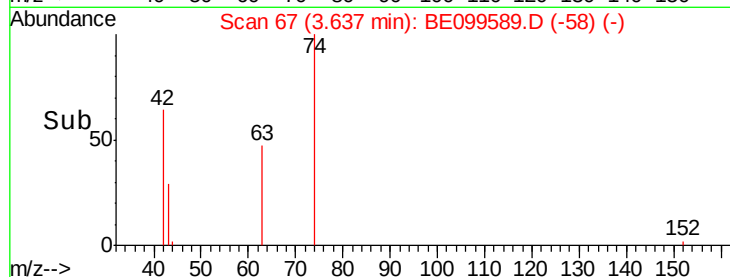
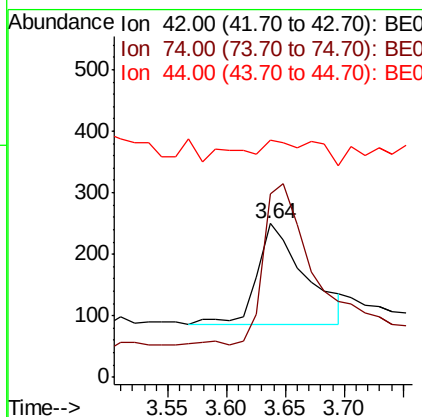
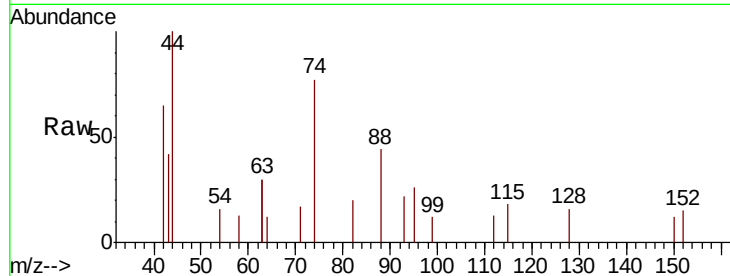


#3

n-Nitrosodimethylamine
 Concen: 0.386 ng
 RT: 3.64 min Scan# 67
 Delta R.T. -0.00 min
 Lab File: BE099589.D
 Acq: 9 May 2019 13:41

Instrument :
 BNA_G
 ClientSampleId :

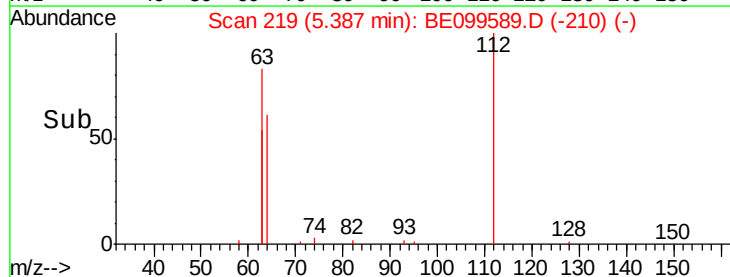
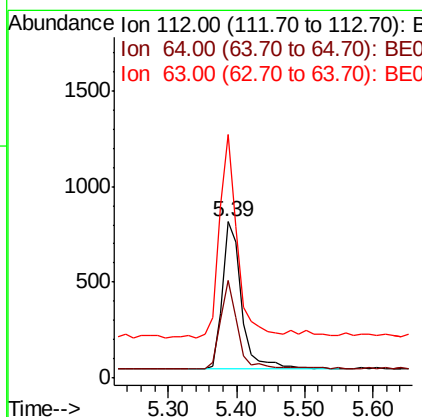
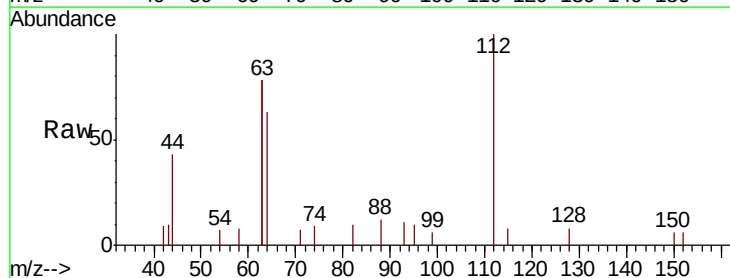
Tot Ion: 42 Resp: 468
 Ion Ratio Lower Upper
 42 100
 74 150.6 136.9 205.3
 44 34.6 7.1 10.7#

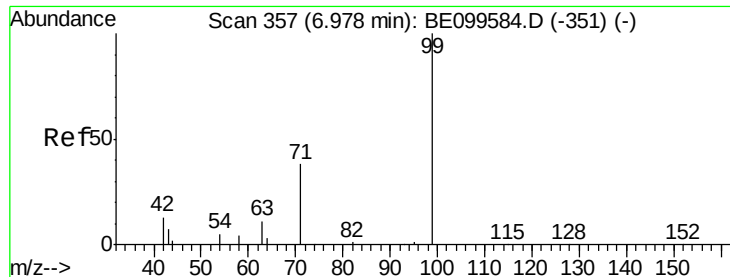


#4

2-Fluorophenol
 Concen: 0.404 ng
 RT: 5.39 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: BE099589.D
 Acq: 9 May 2019 13:41

Tgt Ion: 112 Resp: 1536
 Ion Ratio Lower Upper
 112 100
 64 53.8 46.2 69.4
 63 126.3 100.2 150.4





#5

Phenol-d6

Concen: 0.383 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA_G

ClientSampled :

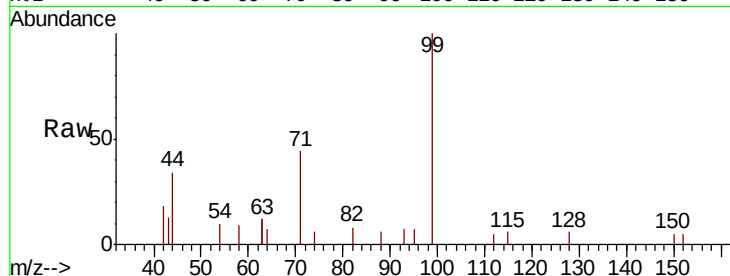
Tot Ion: 99 Resp: 1909

Ion Ratio Lower Upper

99 100

42 14.4 13.8 20.8

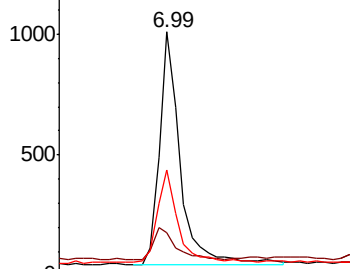
71 40.0 32.2 48.4



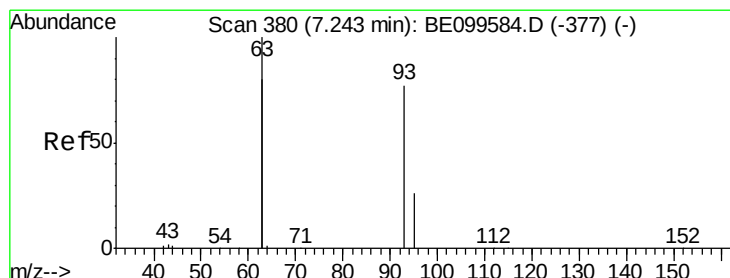
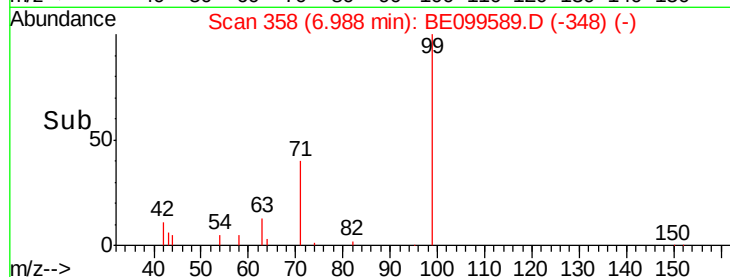
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.418 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

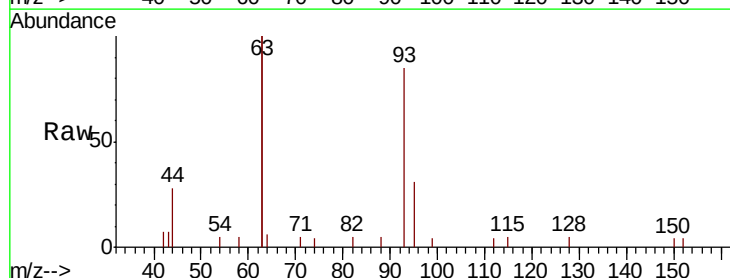
Tgt Ion: 93 Resp: 1731

Ion Ratio Lower Upper

93 100

63 244.0 213.4 320.0

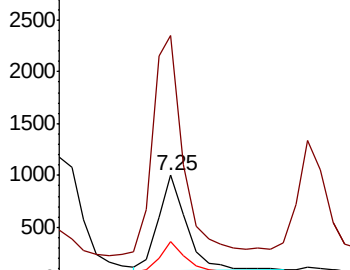
95 29.4 24.9 37.3



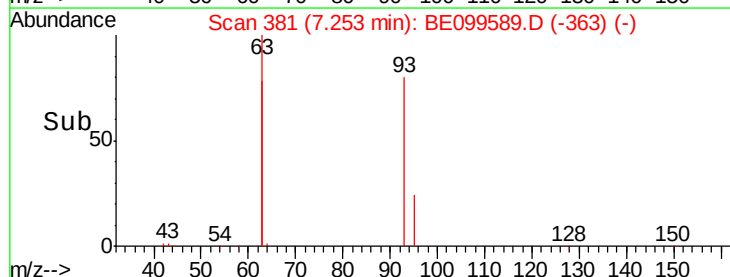
Abundance Ion 93.00 (92.70 to 93.70): BE0

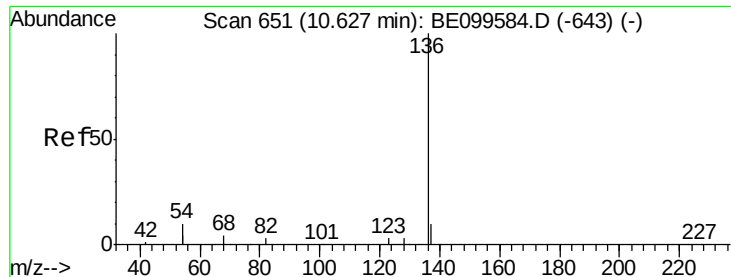
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 4941

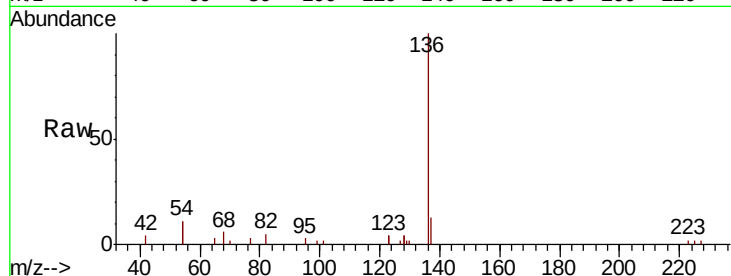
Ion Ratio Lower Upper

136 100

137 12.6 9.1 13.7

54 21.3 16.5 24.7

68 5.8 4.5 6.7

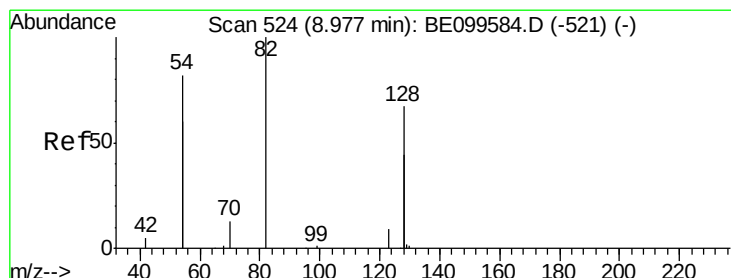
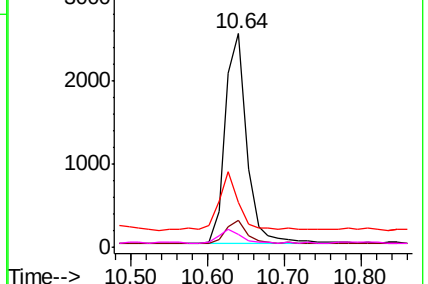
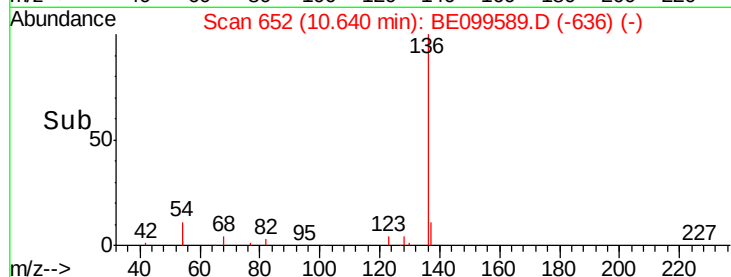


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.386 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

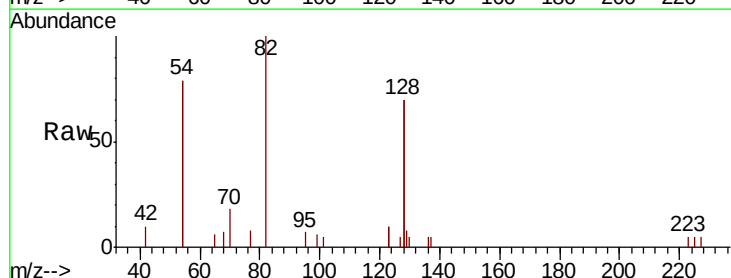
Tgt Ion: 82 Resp: 1791

Ion Ratio Lower Upper

82 100

128 140.9 101.5 152.3

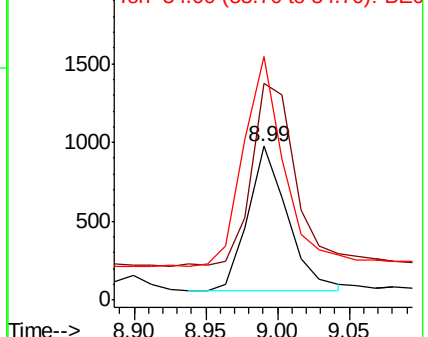
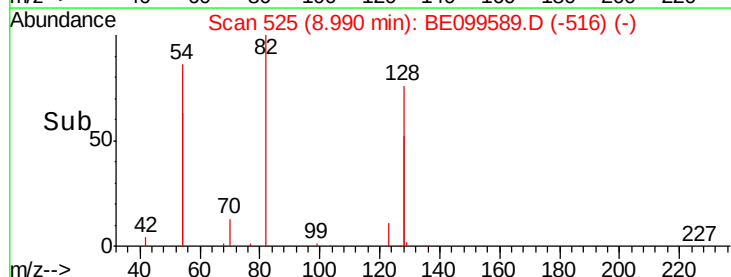
54 158.5 123.8 185.6

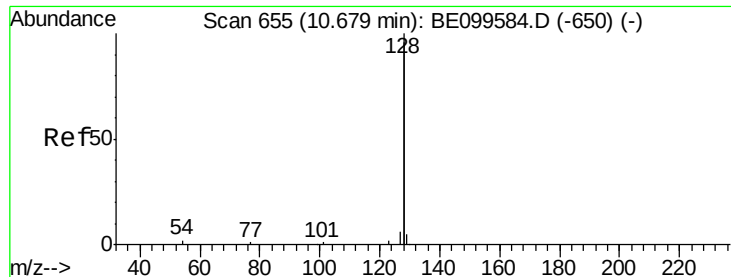


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.405 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA_G

ClientSampleId :

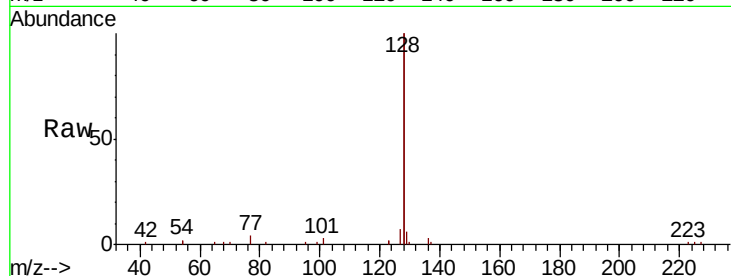
Tot Ion:128 Resp: 21340

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

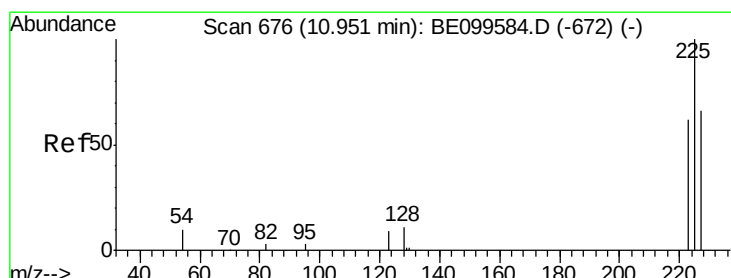
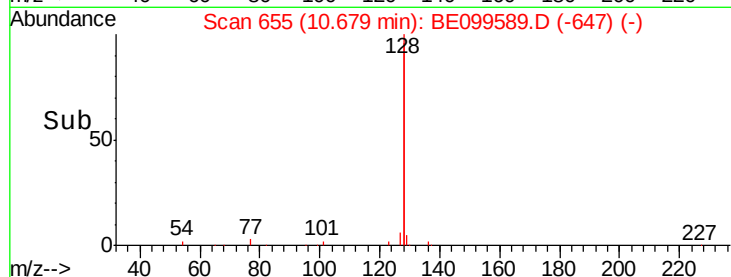
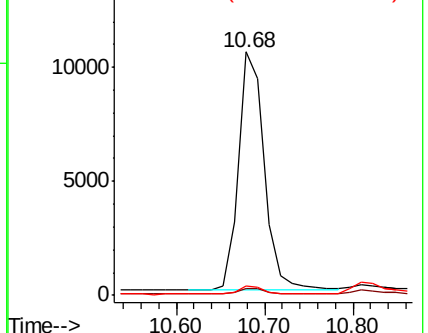
127 3.7 2.8 4.2



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: 0.398 ng

RT: 10.96 min Scan# 677

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

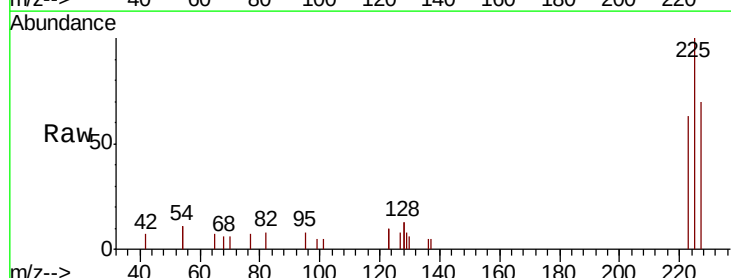
Tgt Ion:225 Resp: 1514

Ion Ratio Lower Upper

225 100

223 66.2 49.6 74.4

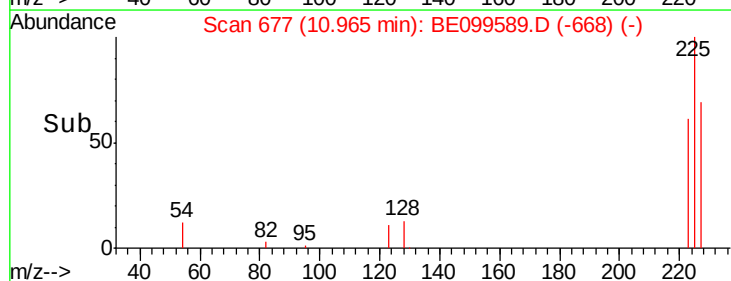
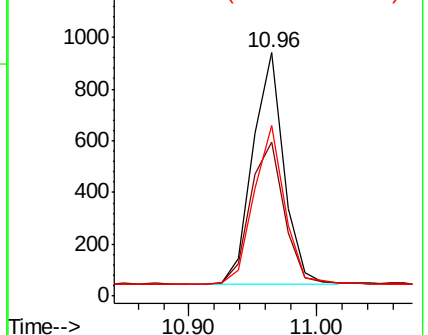
227 68.5 50.1 75.1

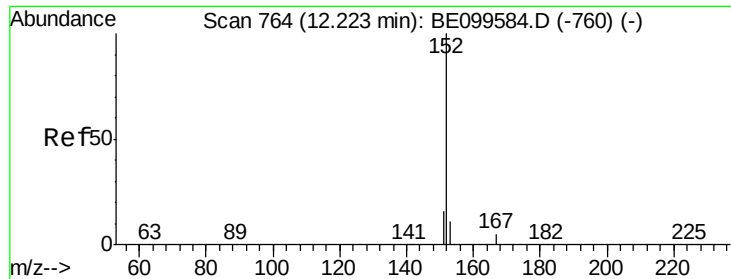


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

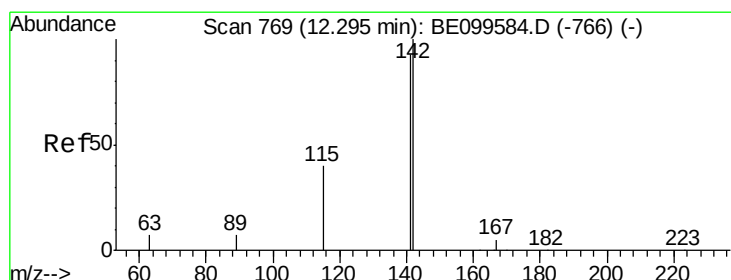
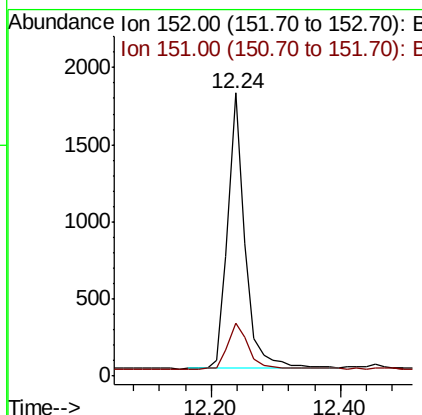
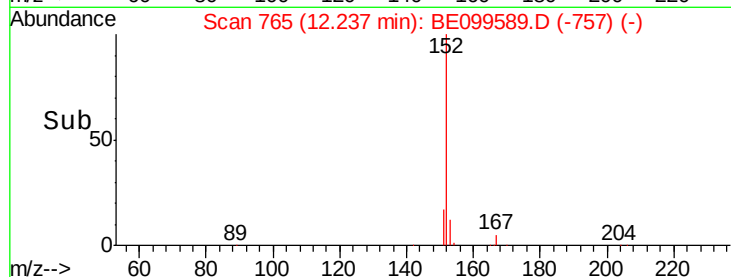
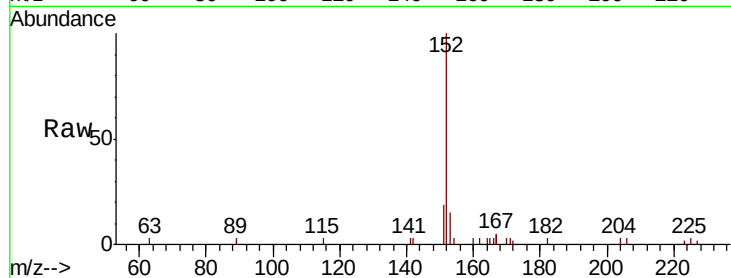




#11
 2-Methylnaphthalene-d10
 Concen: 0.401 ng
 RT: 12.24 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: BE099589.D
 Acq: 9 May 2019 13:41

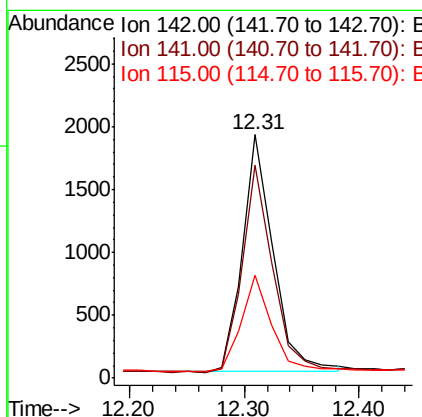
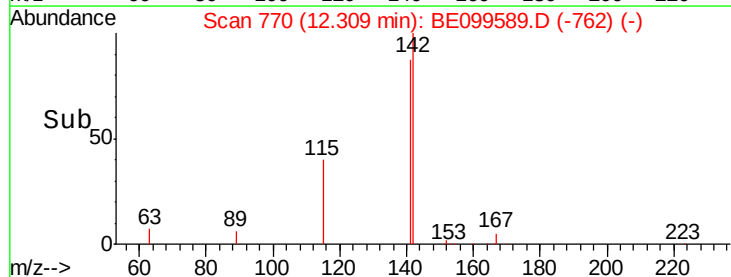
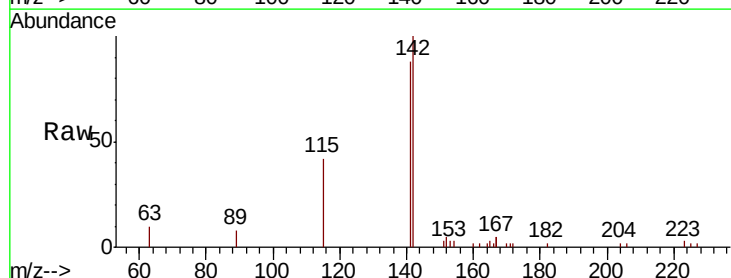
Instrument :
 BNA_G
 ClientSampleId :

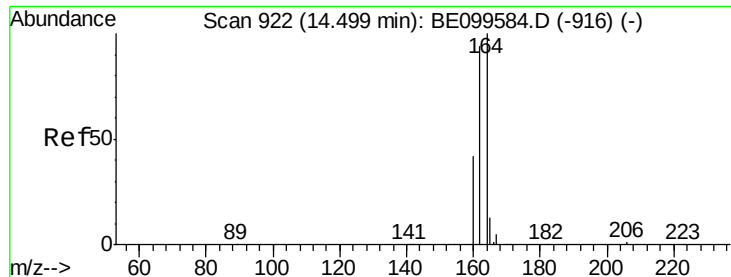
Tot Ion:152 Resp: 3317
 Ion Ratio Lower Upper
 152 100
 151 19.5 16.2 24.2



#12
 2-Methylnaphthalene
 Concen: 0.406 ng
 RT: 12.31 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: BE099589.D
 Acq: 9 May 2019 13:41

Tgt Ion:142 Resp: 3488
 Ion Ratio Lower Upper
 142 100
 141 87.7 75.0 112.4
 115 42.2 33.7 50.5

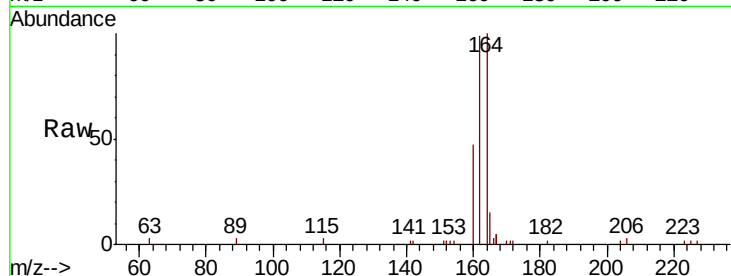




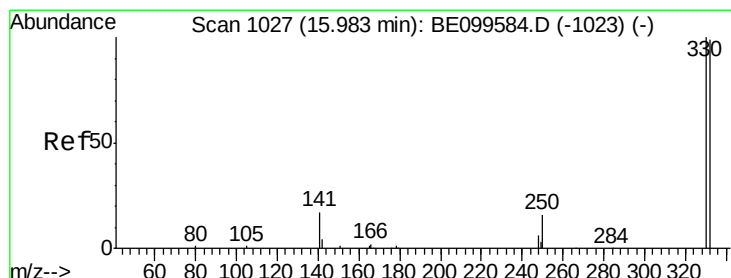
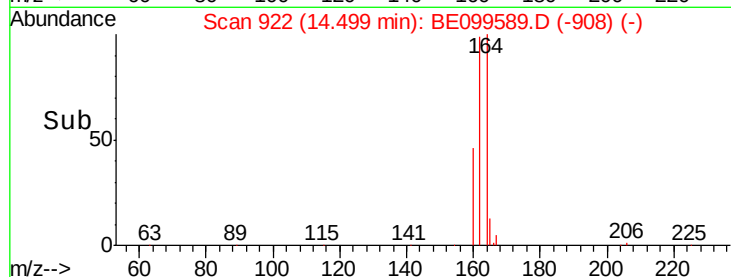
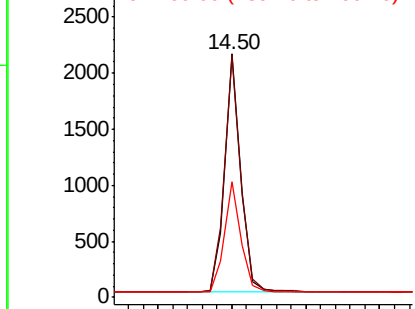
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 3212
Ion Ratio Lower Upper
164 100
162 99.2 75.3 112.9
160 47.3 34.7 52.1

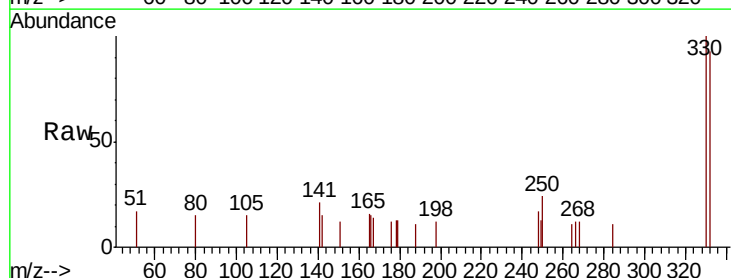


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

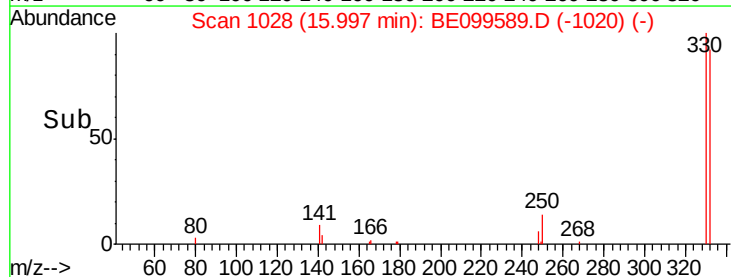
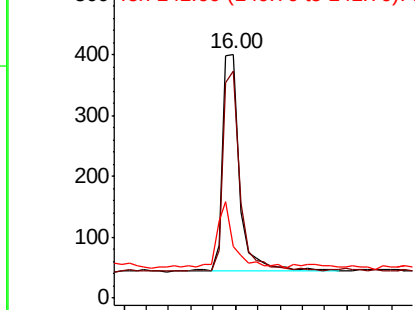


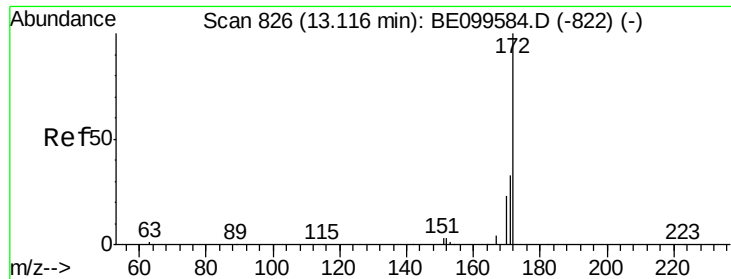
#14
2,4,6-Tribromophenol
Concen: 0.409 ng
RT: 16.00 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

Tgt Ion:330 Resp: 780
Ion Ratio Lower Upper
330 100
332 91.7 78.7 118.1
141 27.4 22.3 33.5



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

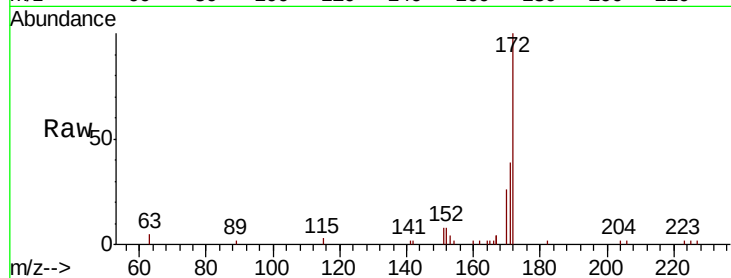




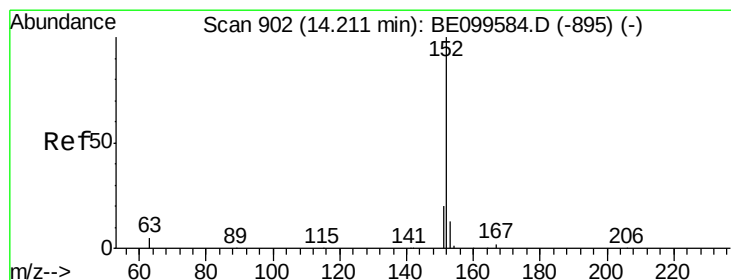
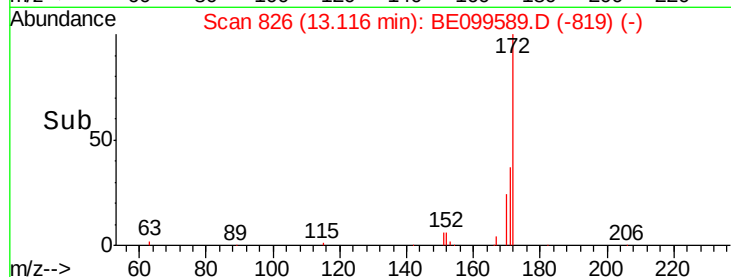
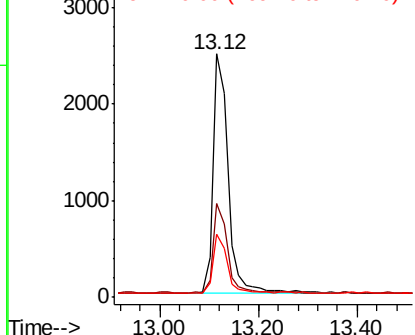
#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 5104
Ion Ratio Lower Upper
172 100
171 38.6 27.5 41.3
170 25.9 19.1 28.7

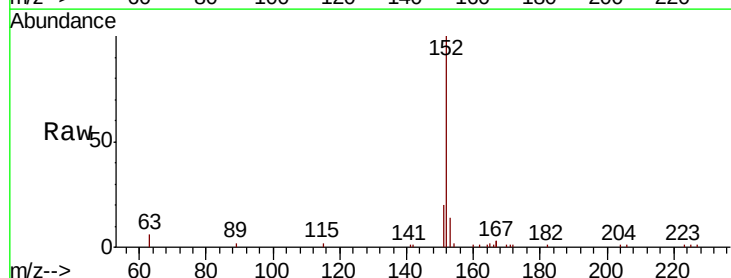


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

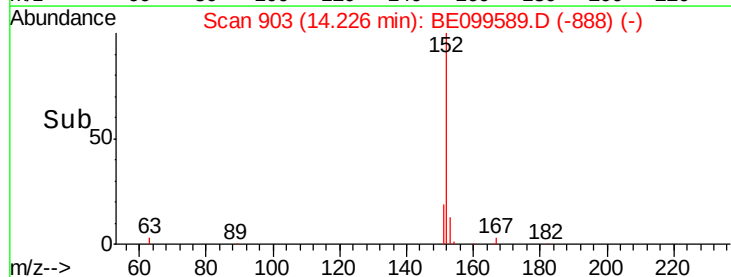
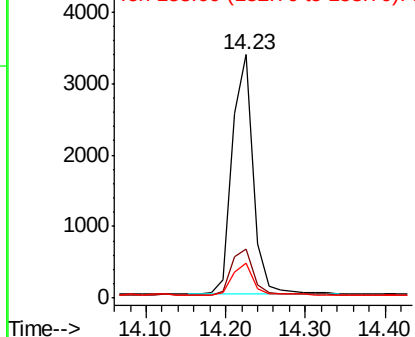


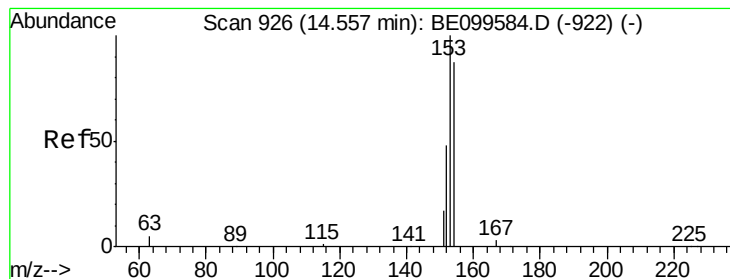
#16
Acenaphthylene
Concen: 0.397 ng
RT: 14.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

Tgt Ion:152 Resp: 6176
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3
153 12.5 10.2 15.4



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: 0.402 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.00 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA_G

ClientSampleId :

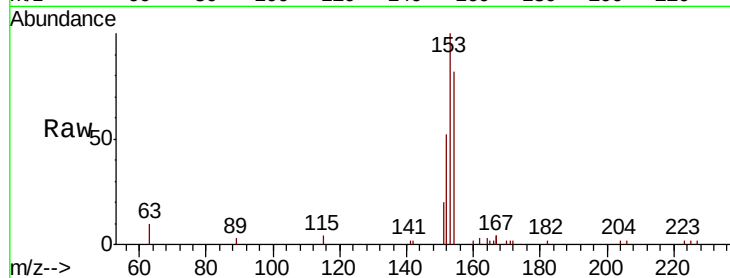
Tot Ion:154 Resp: 3492

Ion Ratio Lower Upper

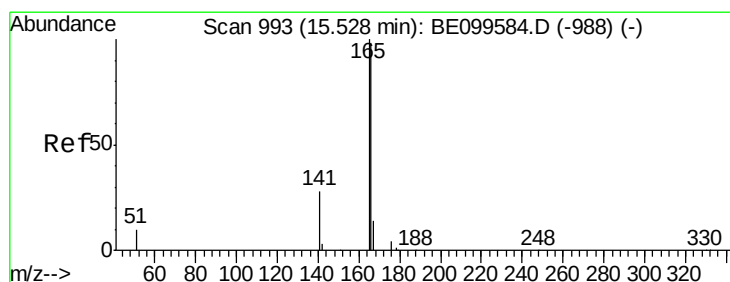
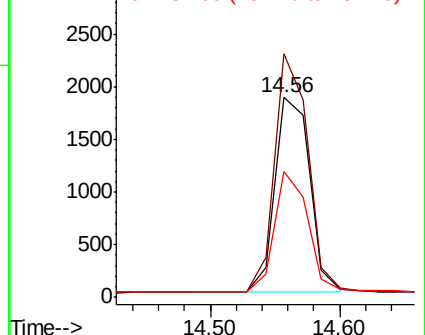
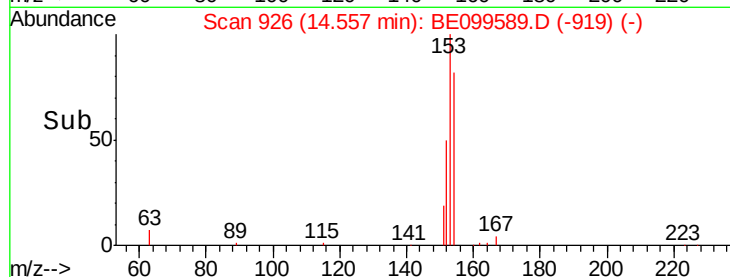
154 100

153 116.8 92.9 139.3

152 59.1 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: 0.404 ng

RT: 15.54 min Scan# 994

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

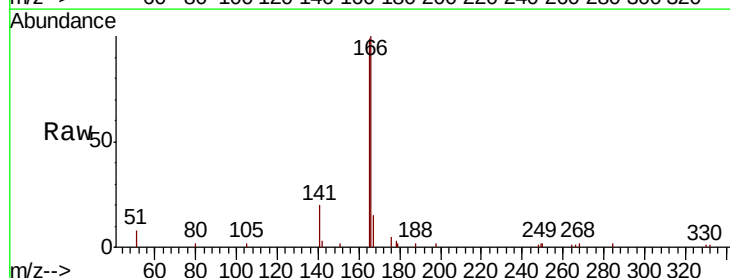
Tgt Ion:166 Resp: 4999

Ion Ratio Lower Upper

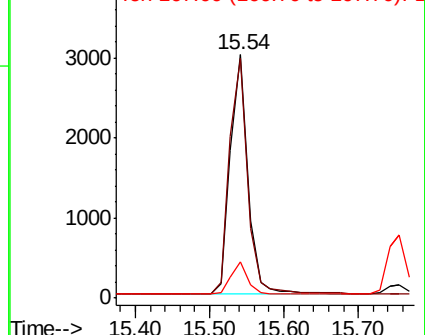
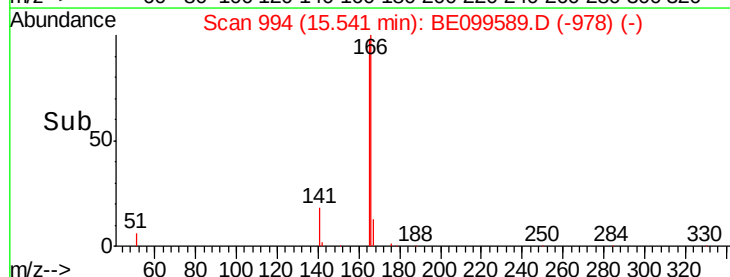
166 100

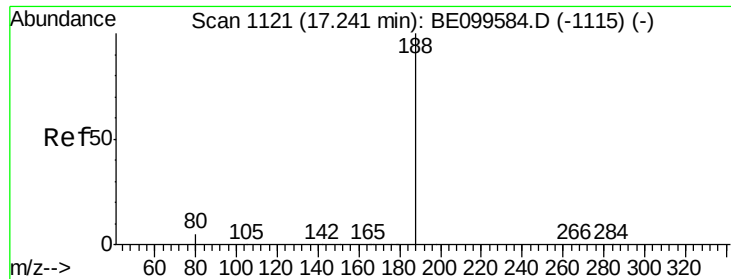
165 99.9 80.5 120.7

167 13.3 11.6 17.4



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

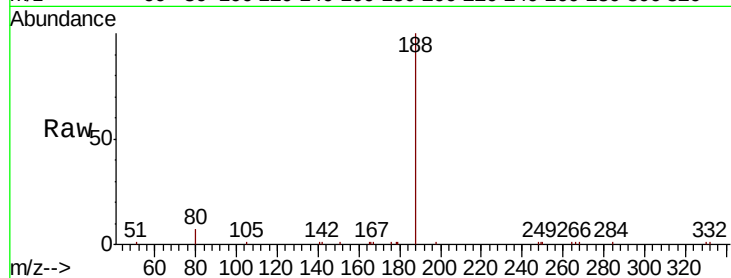




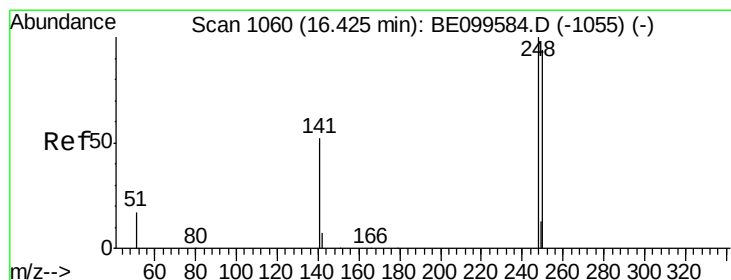
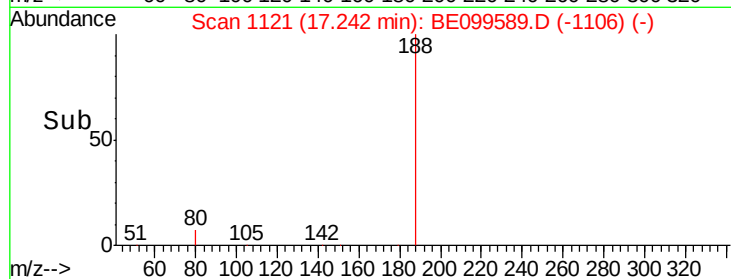
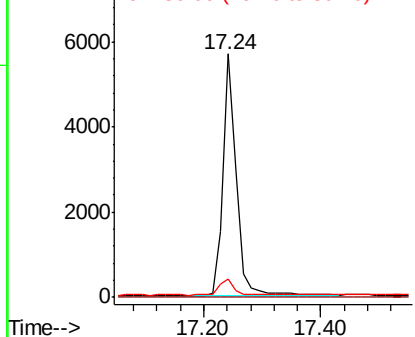
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 9084
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.4 4.4 6.6#

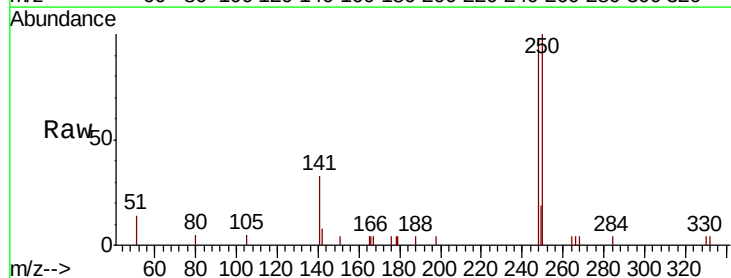


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

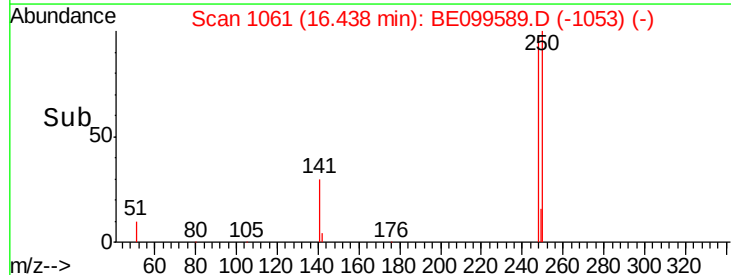
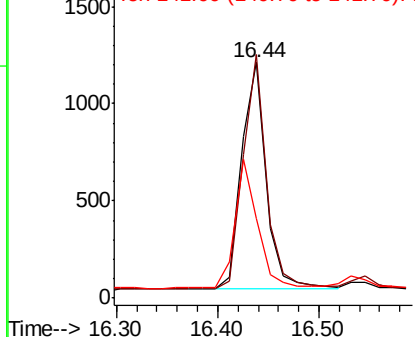


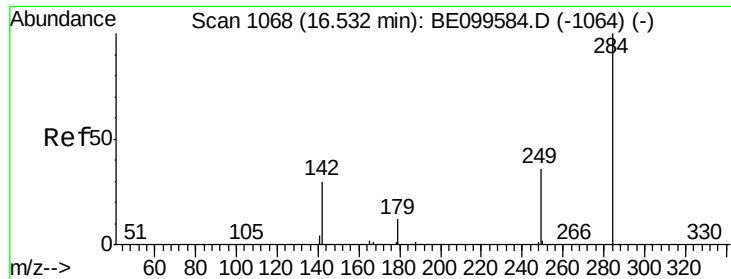
#20
4-Bromophenyl-phenylether
Concen: 0.386 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.01 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

Tgt Ion:248 Resp: 2002
Ion Ratio Lower Upper
248 100
250 103.5 75.7 113.5
141 34.0 42.9 64.3#



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

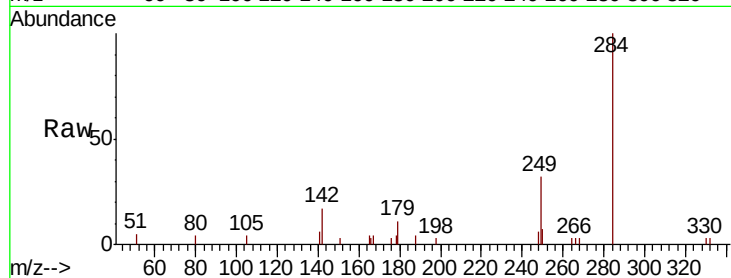




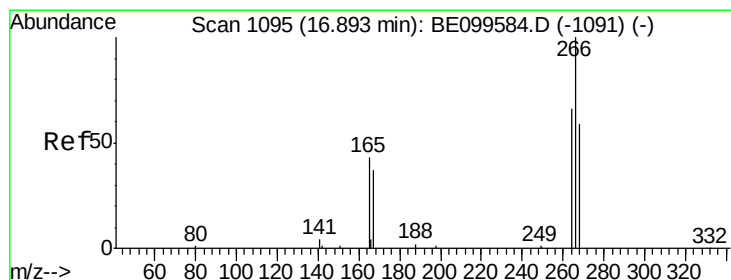
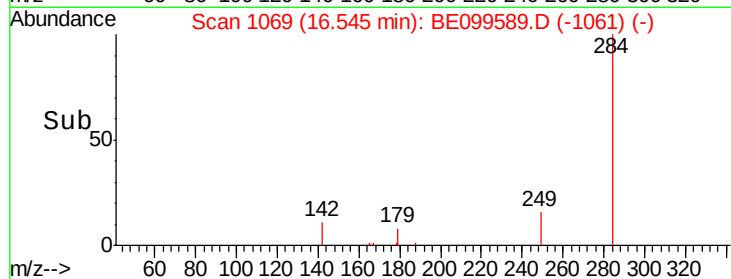
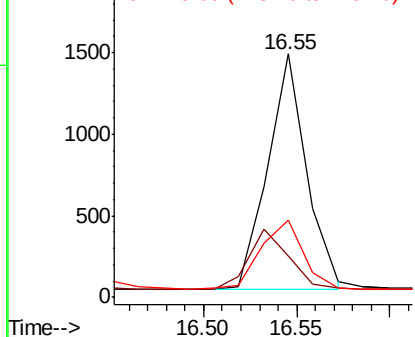
#21
Hexachlorobenzene
Concen: 0.406 ng
RT: 16.55 min Scan# 1069
Delta R.T. 0.01 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:284 Resp: 2111
Ion Ratio Lower Upper
284 100
142 26.4 20.6 30.8
249 32.0 25.8 38.6

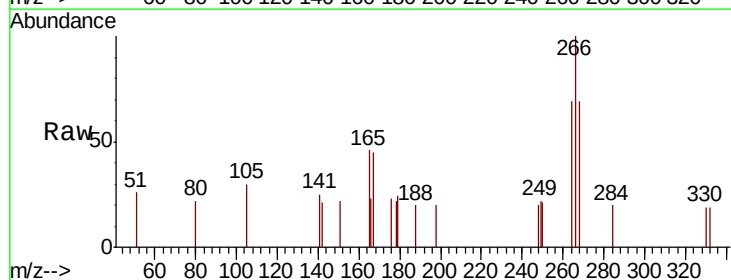


Abundance Ion 283.80 (283.50 to 284.50): E
2000 Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

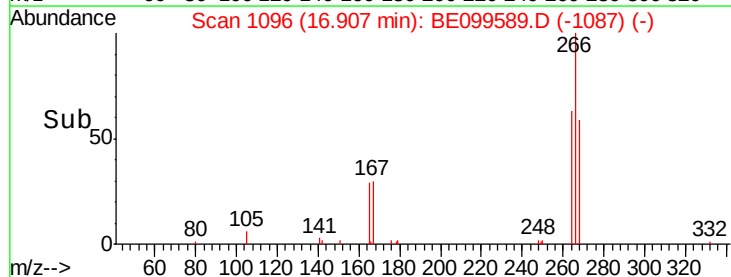
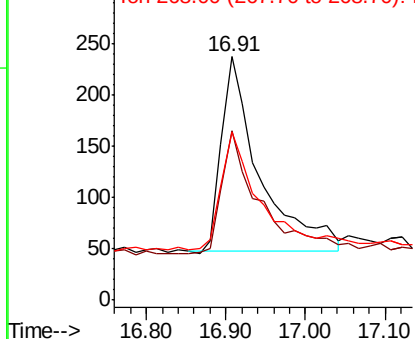


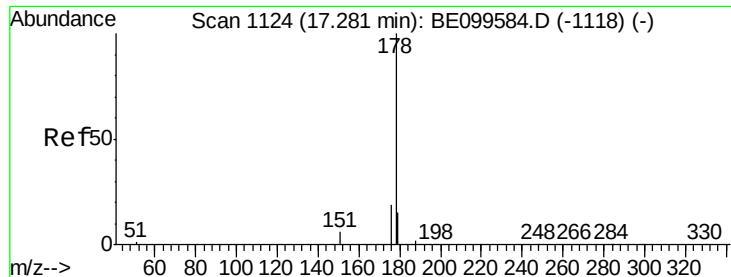
#22
Pentachlorophenol
Concen: 0.467 ng
RT: 16.91 min Scan# 1096
Delta R.T. 0.01 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

Tgt Ion:266 Resp: 634
Ion Ratio Lower Upper
266 100
264 69.3 57.3 85.9
268 68.9 53.5 80.3



Abundance Ion 266.00 (265.70 to 266.70): E
300 Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E

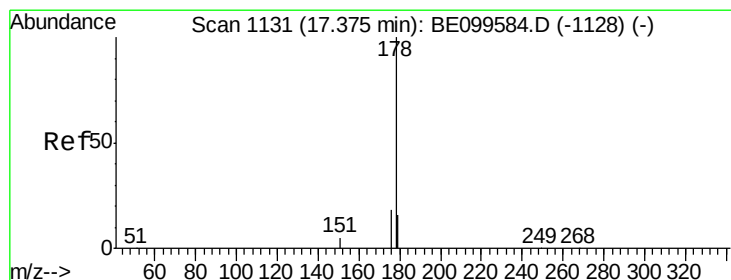
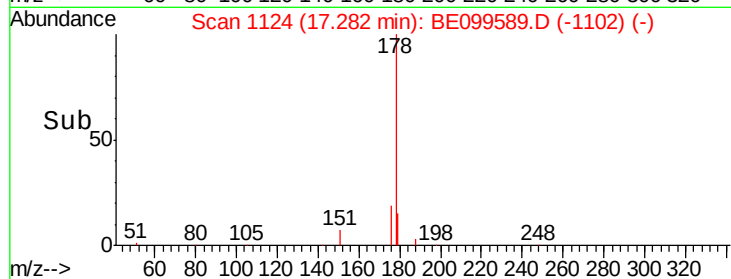
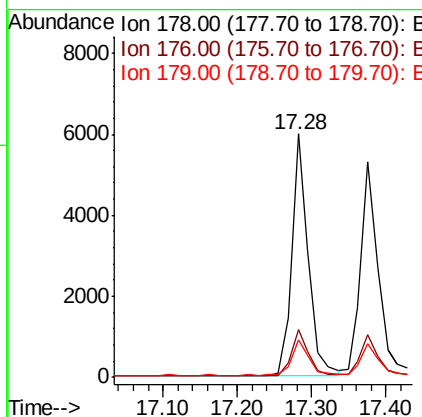
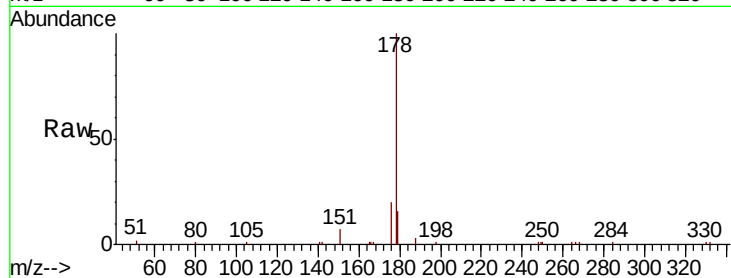




#23
Phenanthrene
Concen: 0.405 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

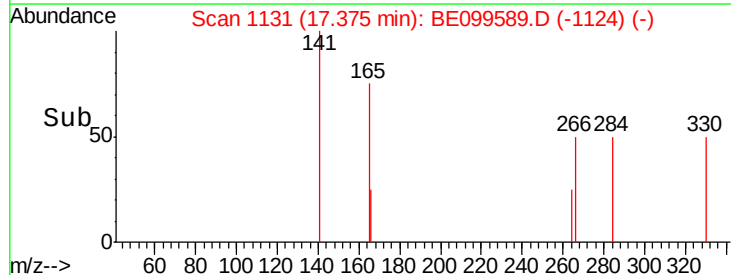
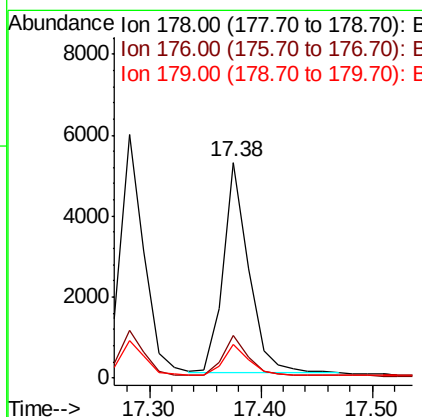
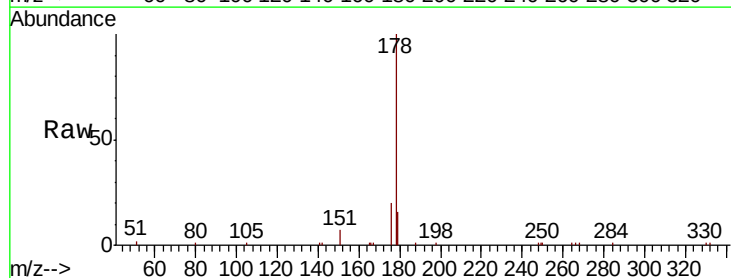
Instrument :
BNA_G
ClientSampleId :

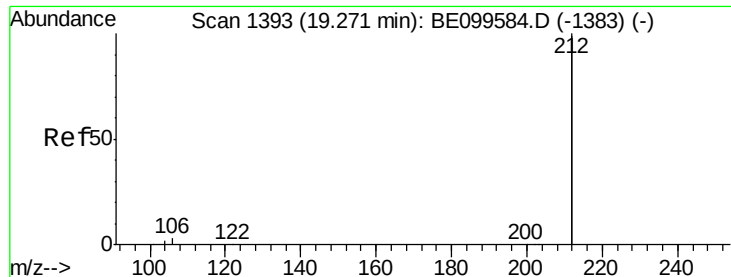
Tot Ion:178 Resp: 9137
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.2 12.2 18.2



#24
Anthracene
Concen: 0.392 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE099589.D
Acq: 9 May 2019 13:41

Tgt Ion:178 Resp: 8306
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 14.8 12.3 18.5





#25

Fluoranthene-d10

Concen: 0.404 ng

RT: 19.28 min Scan# 1394

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA_G

ClientSampleId :

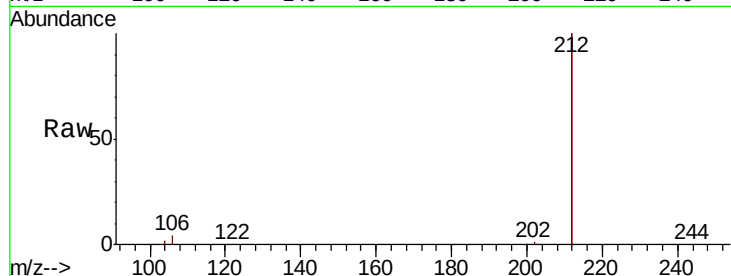
Tot Ion:212 Resp: 48245

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

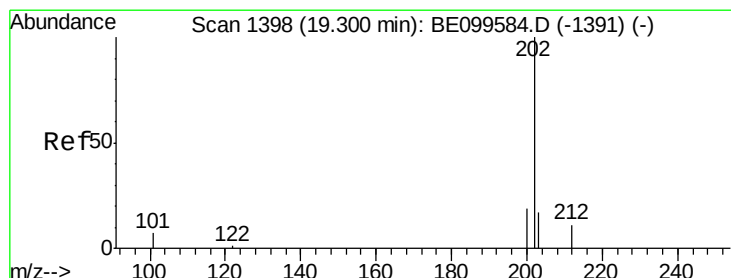
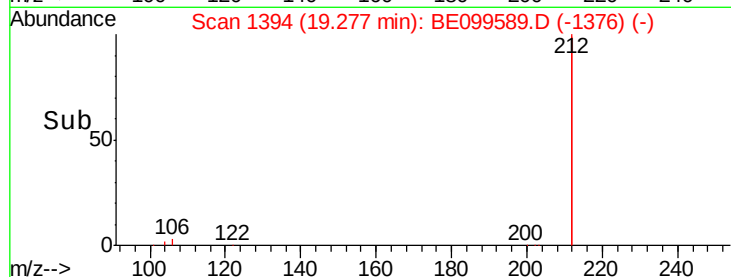
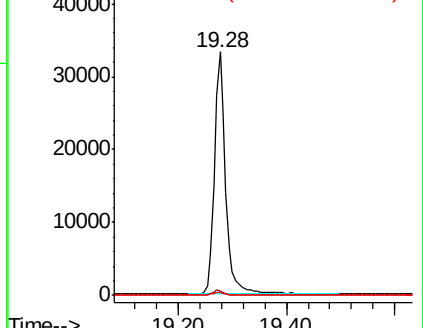
104 1.1 0.9 1.3



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: 0.408 ng

RT: 19.31 min Scan# 1399

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

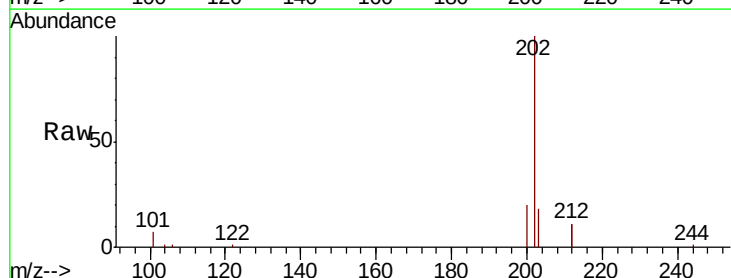
Tgt Ion:202 Resp: 13857

Ion Ratio Lower Upper

202 100

101 6.7 5.4 8.2

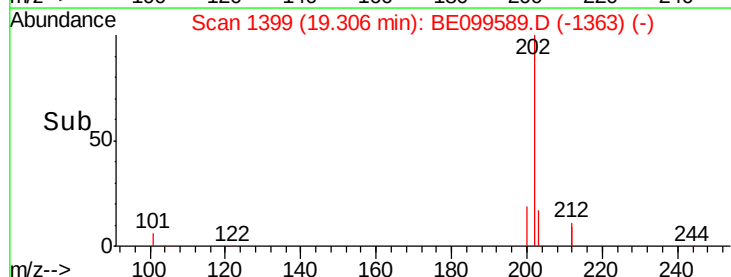
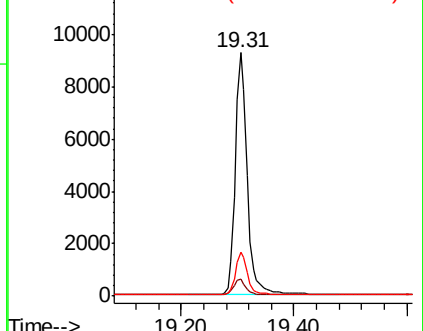
203 16.9 13.7 20.5

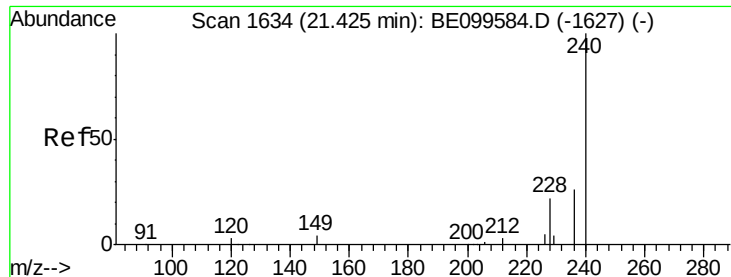


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

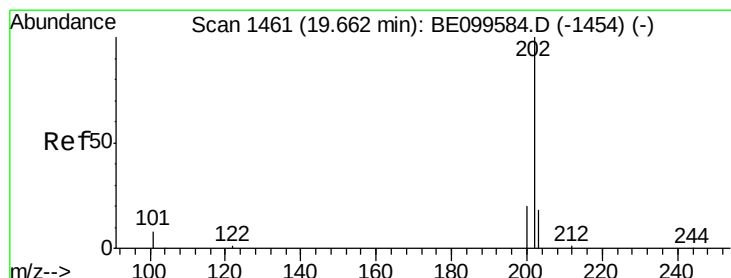
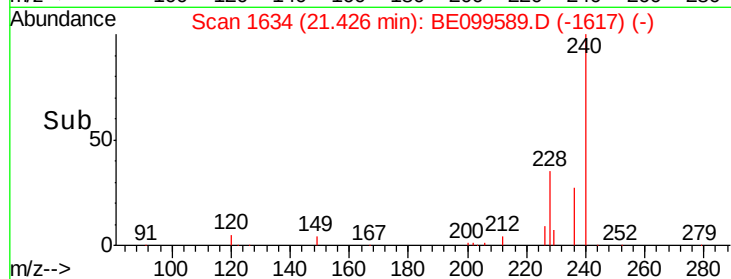
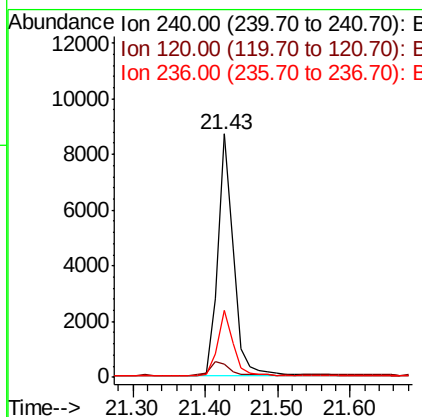
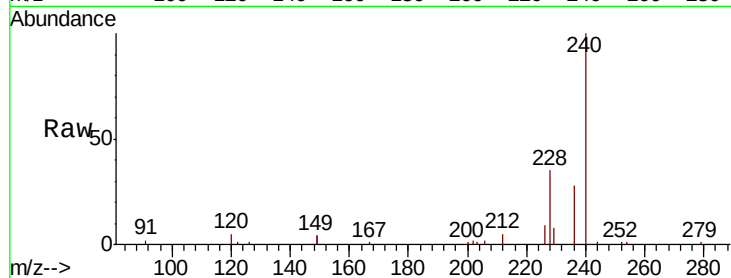




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099589.D
 Acq: 9 May 2019 13:41

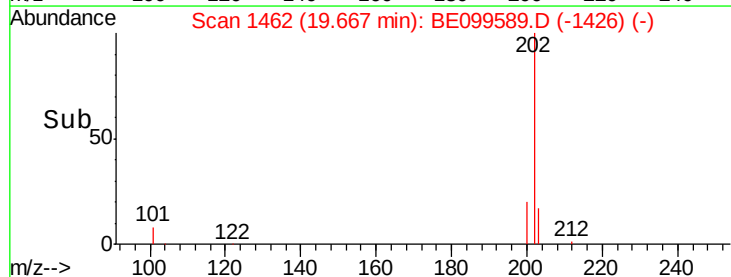
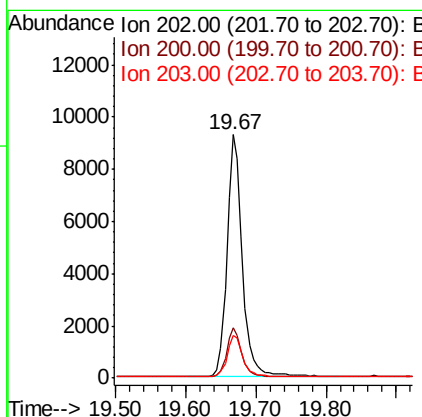
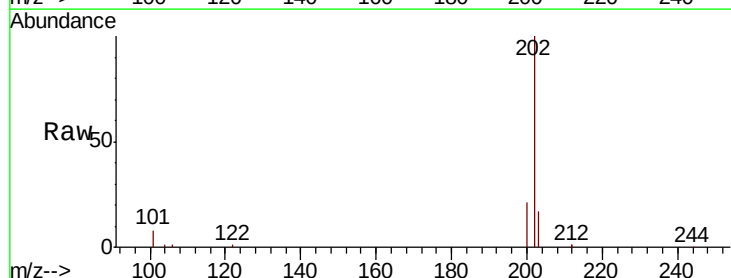
Instrument :
 BNA_G
 ClientSampleId :

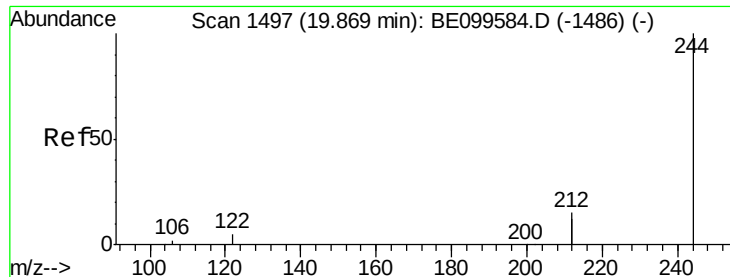
Tot Ion:240 Resp: 13131
 Ion Ratio Lower Upper
 240 100
 120 5.3 3.2 4.8#
 236 27.6 21.0 31.6



#28
 Pyrene
 Concen: 0.408 ng
 RT: 19.67 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BE099589.D
 Acq: 9 May 2019 13:41

Tgt Ion:202 Resp: 14110
 Ion Ratio Lower Upper
 202 100
 200 19.6 15.9 23.9
 203 17.7 14.1 21.1





#29

Terphenyl-d14

Concen: 0.405 ng

RT: 19.87 min Scan# 1498

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA_G

ClientSampleId :

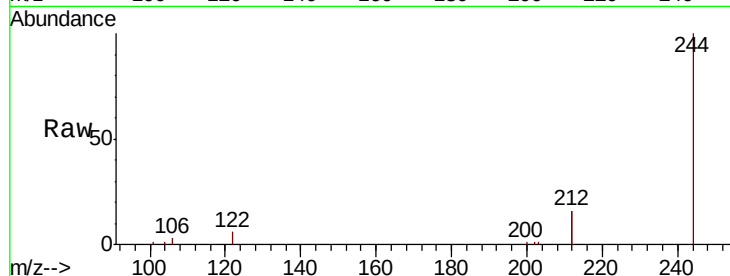
Tot Ion:244 Resp: 9452

Ion Ratio Lower Upper

244 100

212 31.3 24.4 36.6

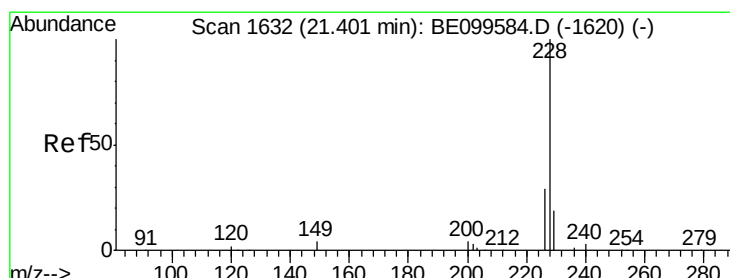
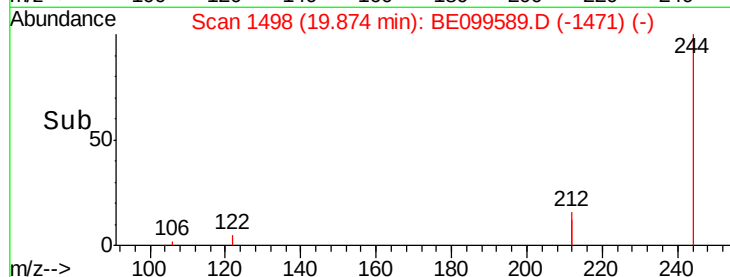
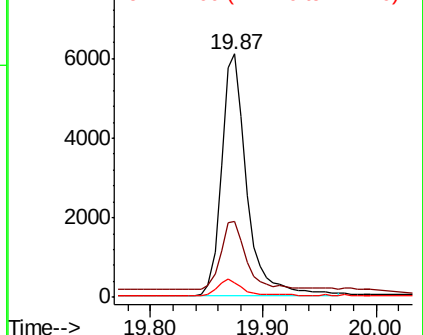
122 6.1 4.6 6.8



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



#30

Benzo(a)anthracene

Concen: 0.401 ng

RT: 21.41 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

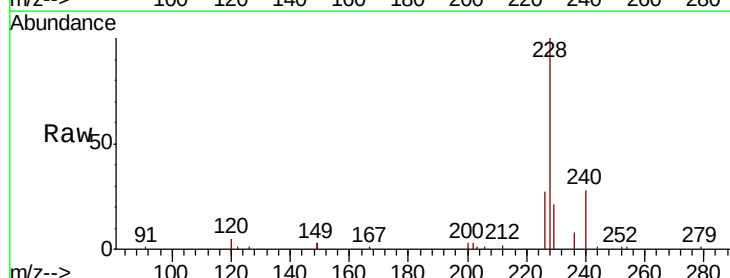
Tgt Ion:228 Resp: 16094

Ion Ratio Lower Upper

228 100

226 27.1 23.3 34.9

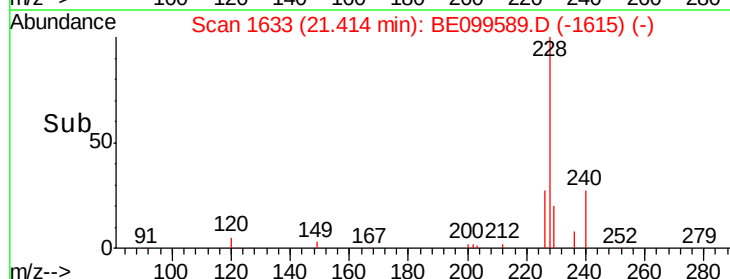
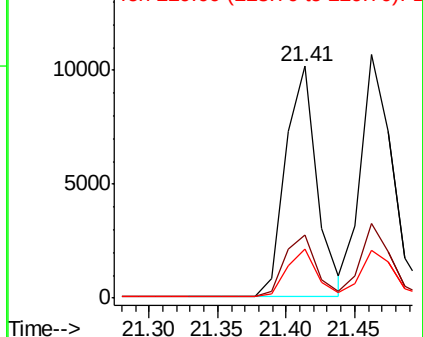
229 20.9 15.5 23.3

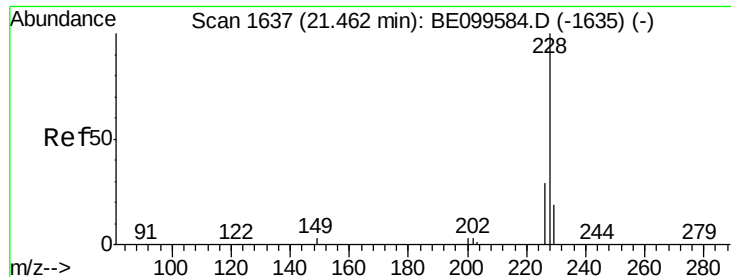


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.421 ng

RT: 21.46 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

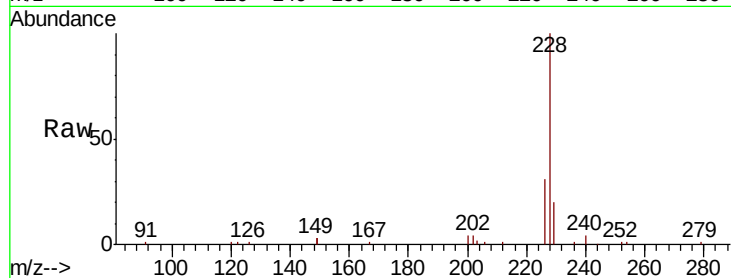
Instrument :

BNA_G

ClientSampled :

Tot Ion:228 Resp: 16868

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.2	34.8
229	19.6	15.6	23.4

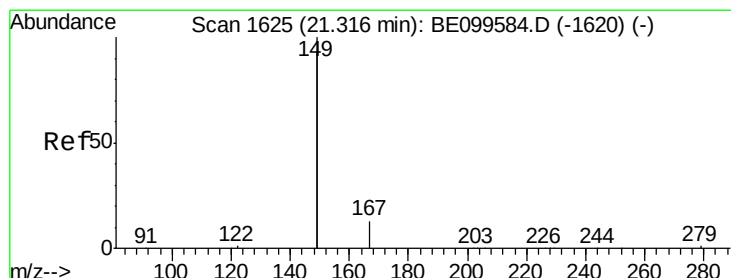
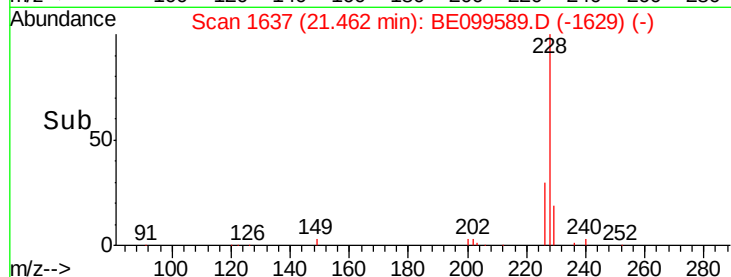
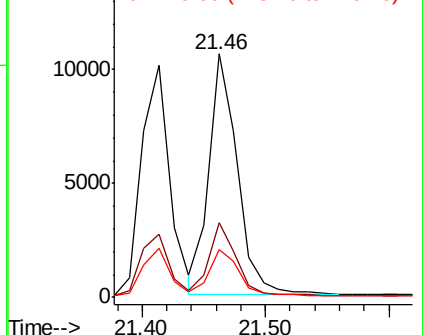


Abundance

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: 0.395 ng

RT: 21.33 min Scan# 1626

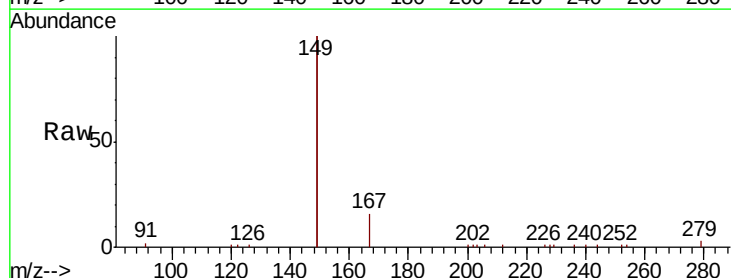
Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Tgt Ion:149 Resp: 22781

Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.0	9.0
279	1.5	1.1	1.7

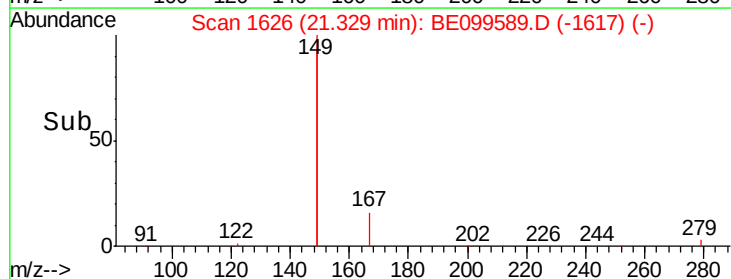
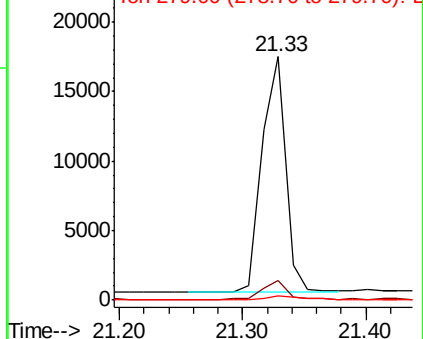


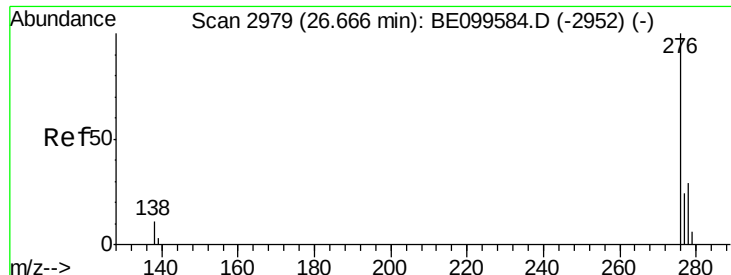
Abundance

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: 0.420 ng

RT: 26.68 min Scan# 2983

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA_G

ClientSampleId :

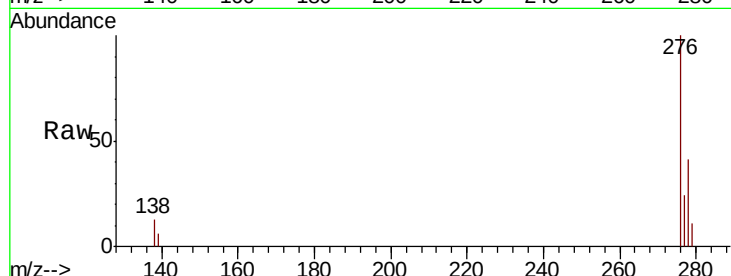
Tot Ion:276 Resp: 21007

Ion Ratio Lower Upper

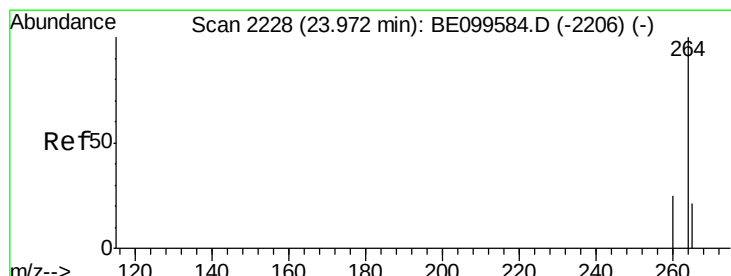
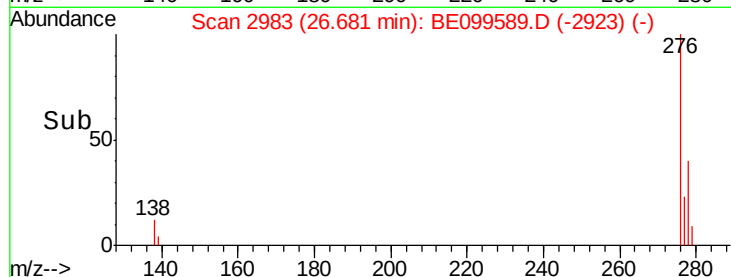
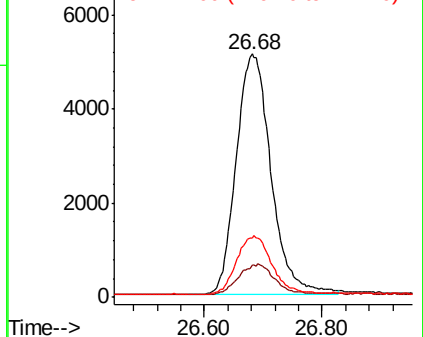
276 100

138 12.6 10.2 15.2

277 24.5 19.8 29.8



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: 23.98 min Scan# 2229

Delta R.T. 0.00 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

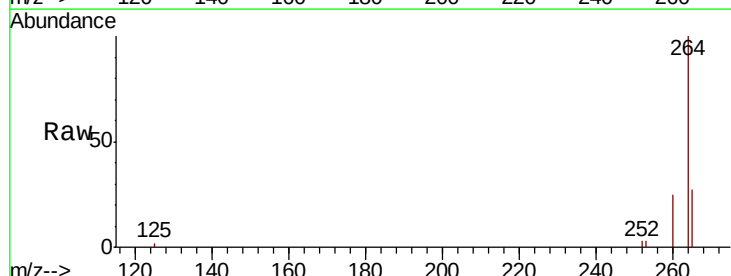
Tgt Ion:264 Resp: 15037

Ion Ratio Lower Upper

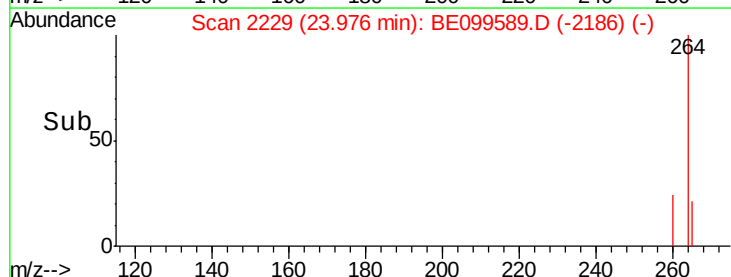
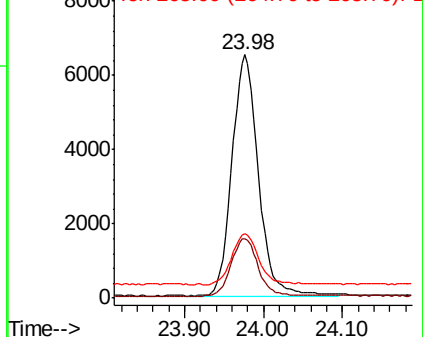
264 100

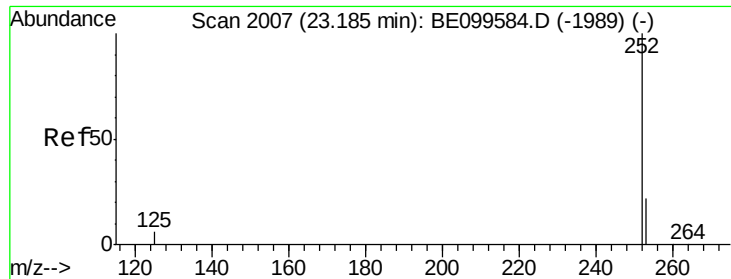
260 24.5 20.3 30.5

265 26.6 20.9 31.3



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: 0.397 ng

RT: 23.19 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA_G

ClientSampleId :

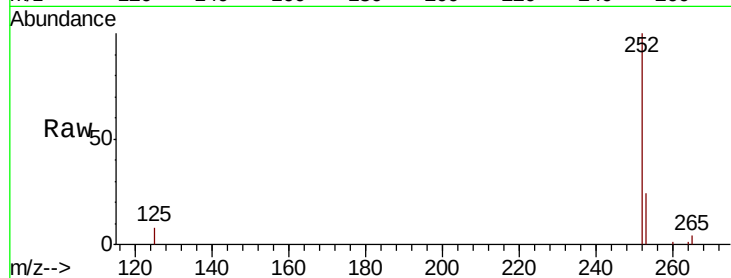
Tot Ion:252 Resp: 16507

Ion Ratio Lower Upper

252 100

253 23.8 18.6 28.0

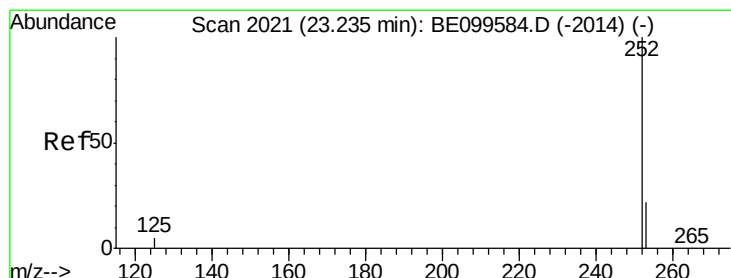
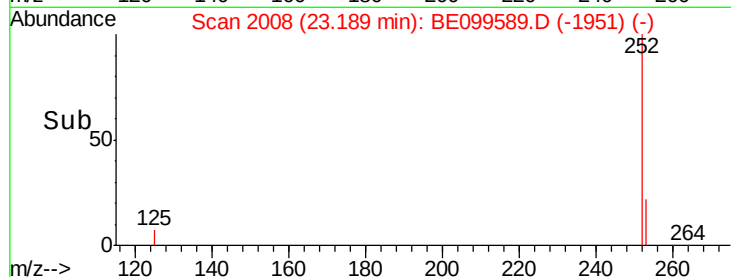
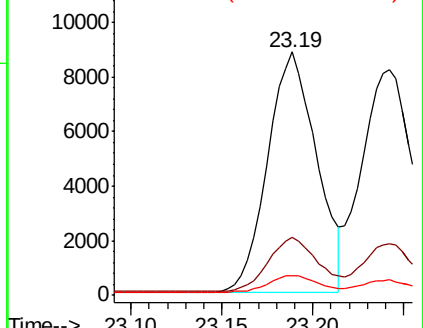
125 8.3 6.0 9.0



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: 0.394 ng

RT: 23.24 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

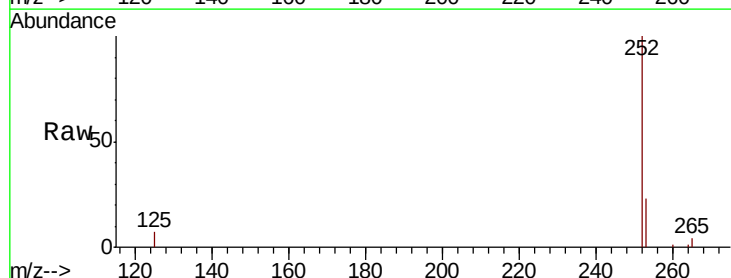
Tgt Ion:252 Resp: 16273

Ion Ratio Lower Upper

252 100

253 22.7 18.7 28.1

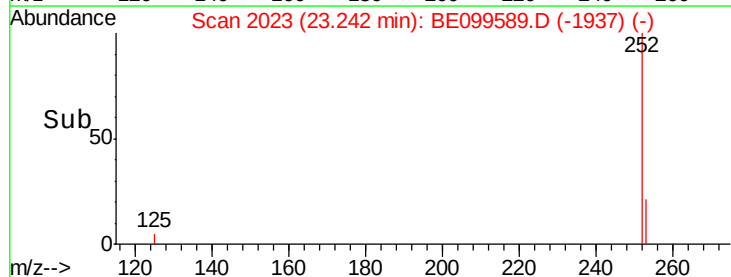
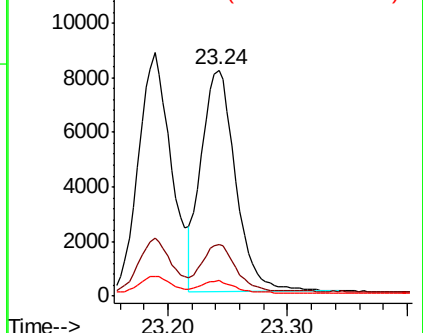
125 6.7 5.1 7.7

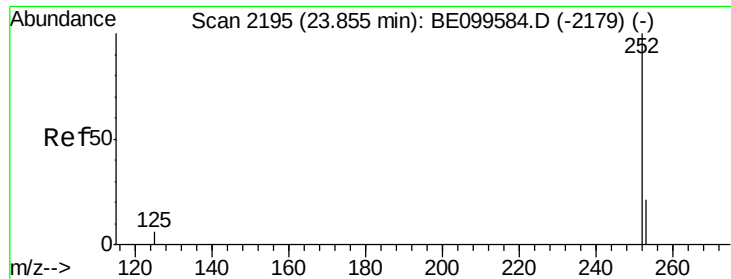


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.400 ng

RT: 23.86 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA_G

ClientSampleId :

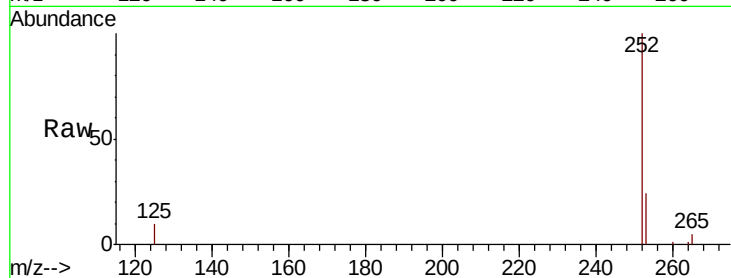
Tot Ion:252 Resp: 16105

Ion Ratio Lower Upper

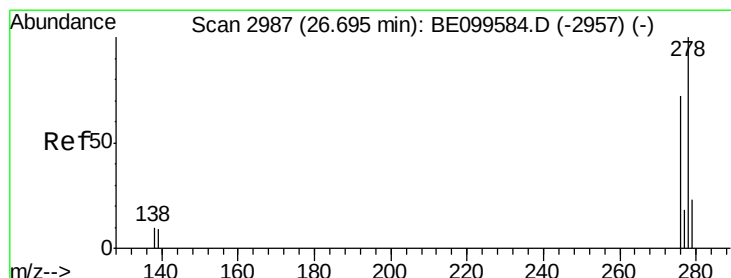
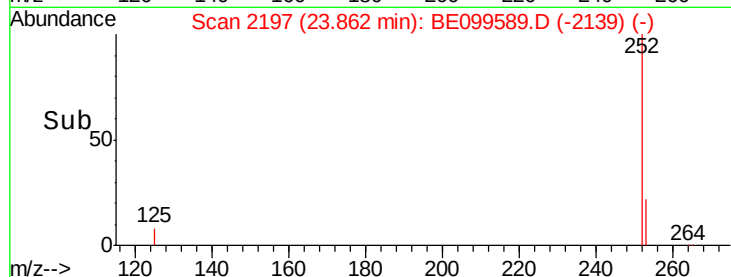
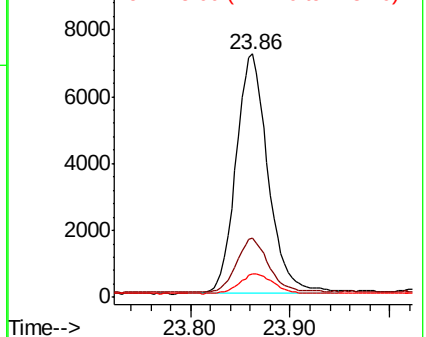
252 100

253 24.1 18.6 27.8

125 9.5 6.4 9.6



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: 0.402 ng

RT: 26.71 min Scan# 2990

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

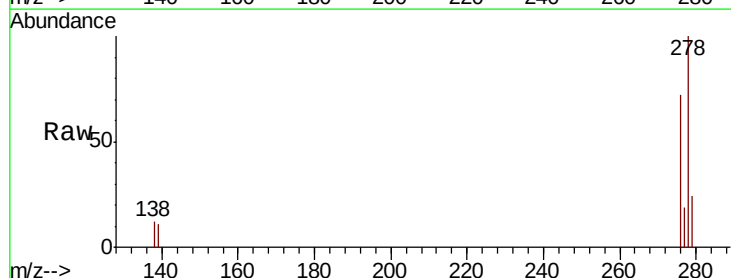
Tgt Ion:278 Resp: 16924

Ion Ratio Lower Upper

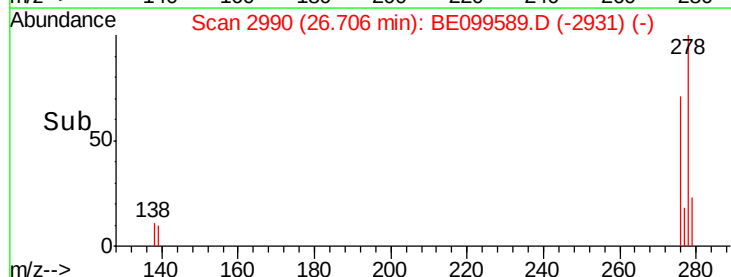
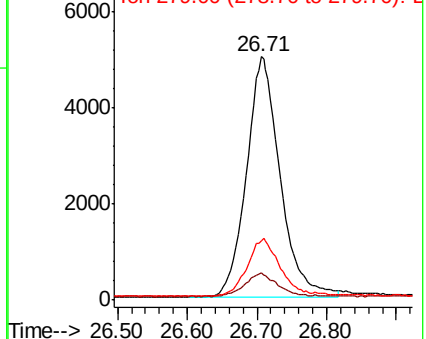
278 100

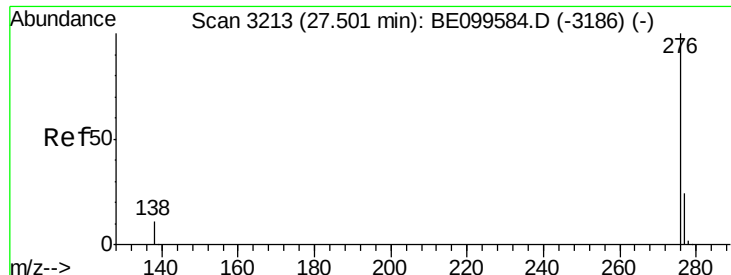
139 11.1 8.3 12.5

279 24.1 19.4 29.2



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: 0.408 ng

RT: 27.51 min Scan# 3216

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA_G

ClientSampleId :

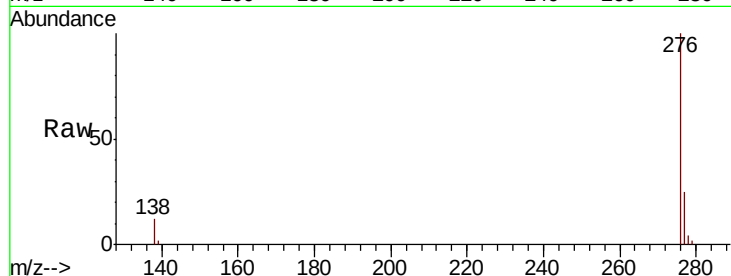
Tot Ion:276 Resp: 17391

Ion Ratio Lower Upper

276 100

277 24.7 19.8 29.6

138 11.8 9.4 14.2



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

