

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE060619\
 Data File : BE099815.D
 Acq On : 6 Jun 2019 9:04
 Operator : JU/SJ
 Sample : PB120314BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120314BS

Quant Time: Jun 07 02:04:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE060519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 05 14:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1195	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	3846	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	2469	0.40	ng	0.01
19) Phenanthrene-d10	17.23	188	7602	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15017	0.40	ng	0.00
34) Perylene-d12	23.94	264	17501	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1075	0.37	ng	0.01
5) Phenol-d6	6.97	99	1354	0.36	ng	0.01
8) Nitrobenzene-d5	8.98	82	1129	0.33	ng	0.01
11) 2-Methylnaphthalene-d10	12.22	152	3094	0.47	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	372	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	3362	0.37	ng	0.00
25) Fluoranthene-d10	19.26	212	44784	0.40	ng	0.00
29) Terphenyl-d14	19.86	244	9252	0.38	ng	0.00

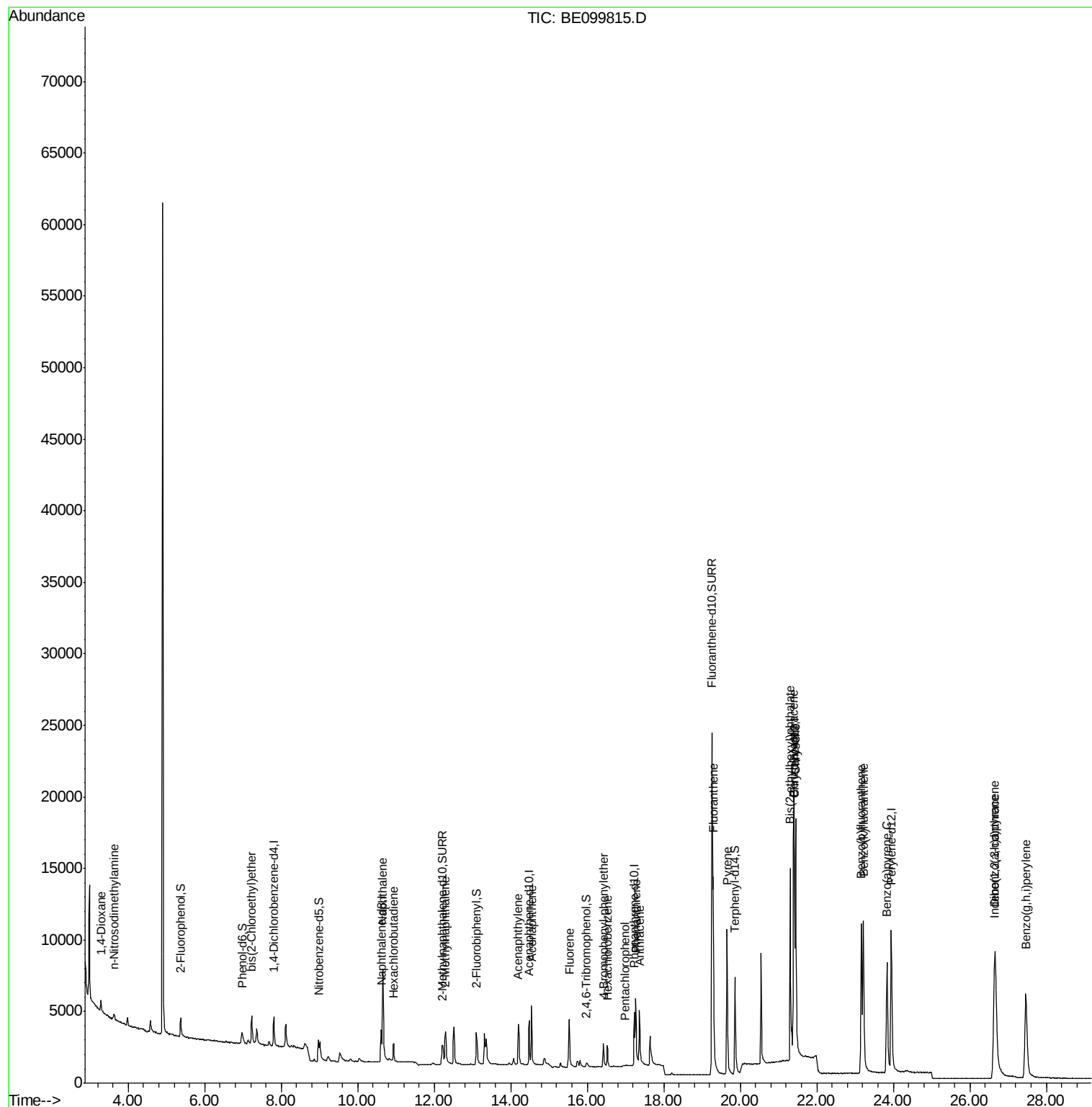
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	543	0.313	ng	# 26
3) n-Nitrosodimethylamine	3.62	42	342	0.372	ng	# 96
6) bis(2-Chloroethyl)ether	7.23	93	1119	0.341	ng	96
9) Naphthalene	10.65	128	14528	0.354	ng	100
10) Hexachlorobutadiene	10.94	225	1112	0.355	ng	96
12) 2-Methylnaphthalene	12.30	142	2220	0.339	ng	98
16) Acenaphthylene	14.20	152	4102	0.344	ng	99
17) Acenaphthene	14.54	154	2250	0.345	ng	99
18) Fluorene	15.53	166	3171	0.330	ng	99
20) 4-Bromophenyl-phenylether	16.43	248	1442	0.340	ng	# 89
21) Hexachlorobenzene	16.52	284	1600	0.344	ng	98
22) Pentachlorophenol	16.97	266	259	0.449	ng	93
23) Phenanthrene	17.27	178	6066	0.334	ng	100
24) Anthracene	17.36	178	5295	0.323	ng	99
26) Fluoranthene	19.29	202	12293	0.387	ng	100
28) Pyrene	19.65	202	12760	0.352	ng	100
30) Benzo(a)anthracene	21.39	228	16823	0.405	ng	99
31) Chrysene	21.45	228	17496	0.382	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	15536	0.326	ng	100
33) Indeno(1,2,3-cd)pyrene	26.64	276	20655	0.376	ng	99
35) Benzo(b)fluoranthene	23.16	252	16821	0.347	ng	# 96
36) Benzo(k)fluoranthene	23.21	252	19945	0.388	ng	100
37) Benzo(a)pyrene	23.83	252	17486	0.372	ng	# 94
38) Dibenzo(a,h)anthracene	26.67	278	16496	0.345	ng	97
39) Benzo(g,h,i)perylene	27.46	276	18366	0.366	ng	98

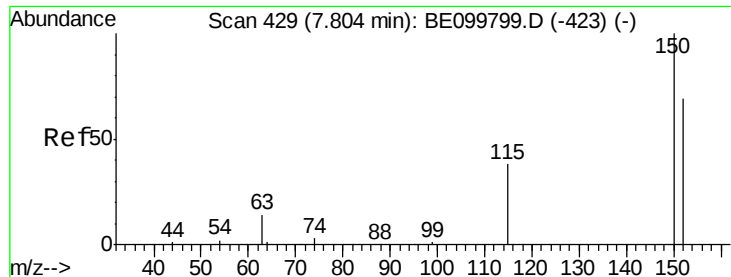
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 05 14:35:58 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

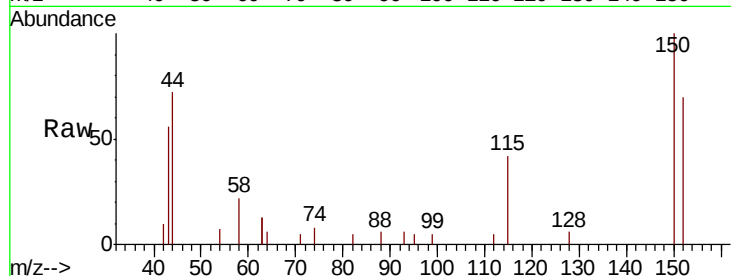
Tgt Ion:152 Resp: 1195

Ion Ratio Lower Upper

152 100

150 143.6 112.8 169.2

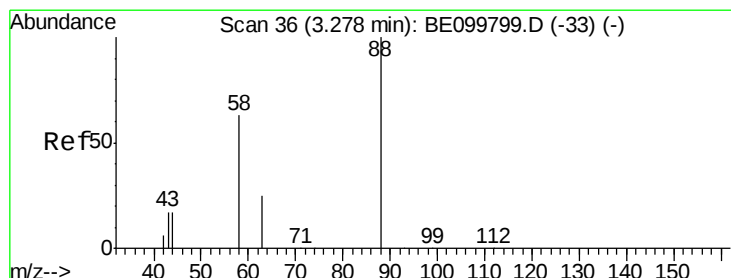
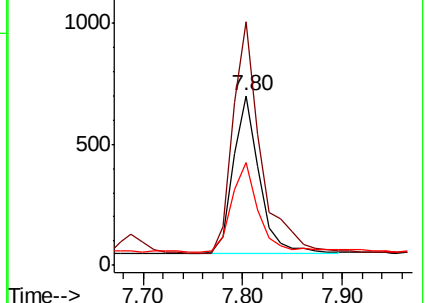
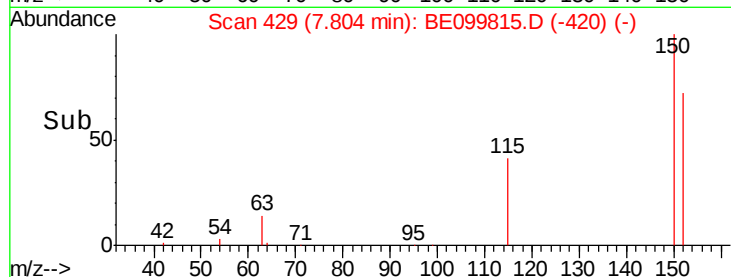
115 61.0 47.6 71.4



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: 0.313 ng

RT: 3.29 min Scan# 37

Delta R.T. 0.01 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

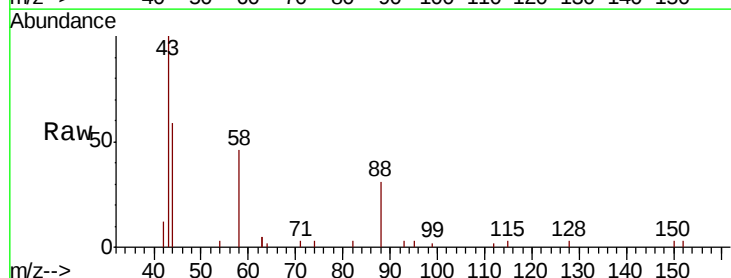
Tgt Ion: 88 Resp: 543

Ion Ratio Lower Upper

88 100

58 104.1 47.3 70.9#

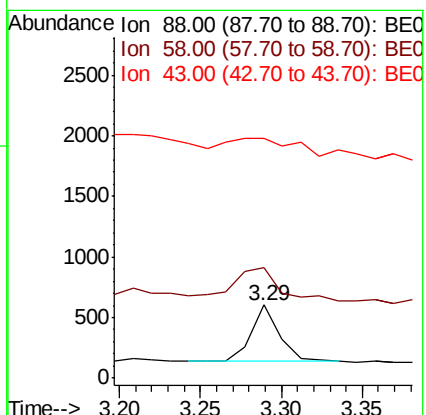
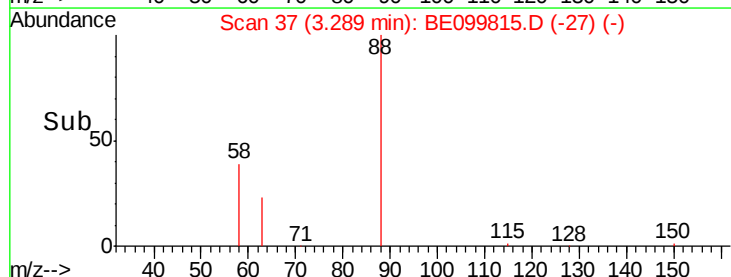
43 76.8 18.2 27.4#

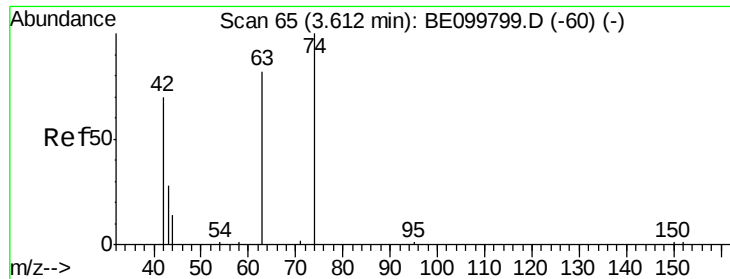


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.372 ng

RT: 3.62 min Scan# 66

Delta R.T. 0.01 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

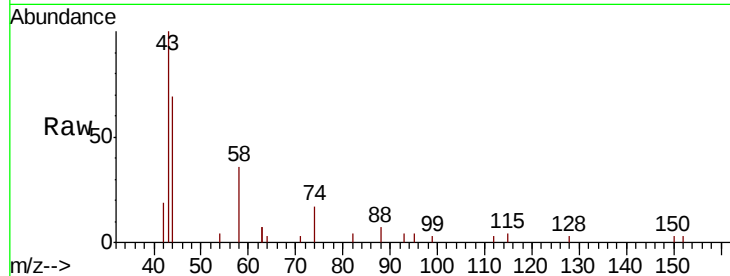
Tgt Ion: 42 Resp: 342

Ion Ratio Lower Upper

42 100

74 167.0 132.6 198.8

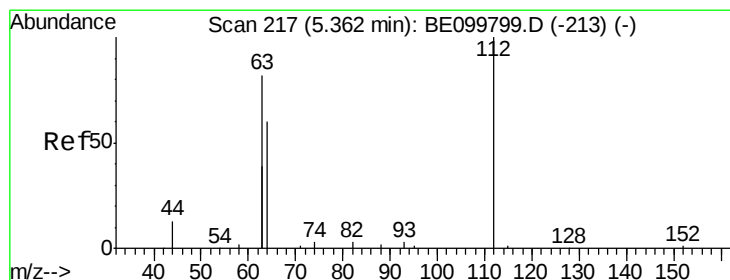
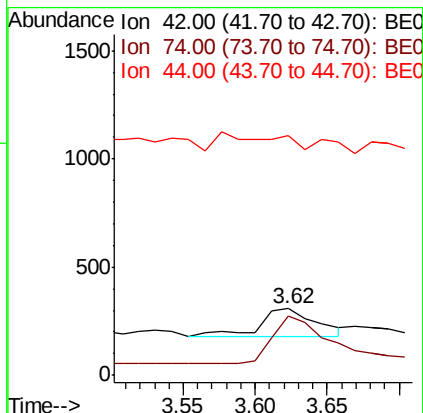
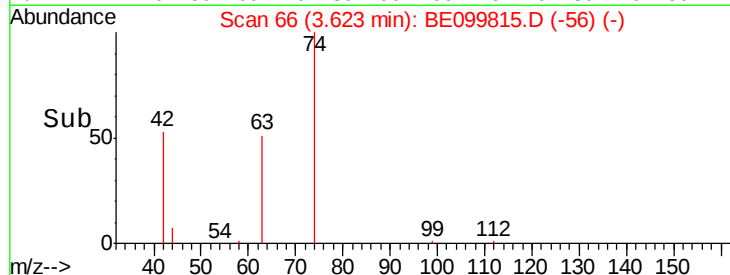
44 0.0 13.4 20.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.370 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.01 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

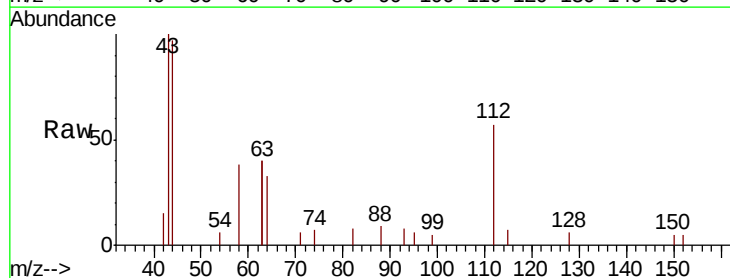
Tgt Ion: 112 Resp: 1075

Ion Ratio Lower Upper

112 100

64 53.2 47.2 70.8

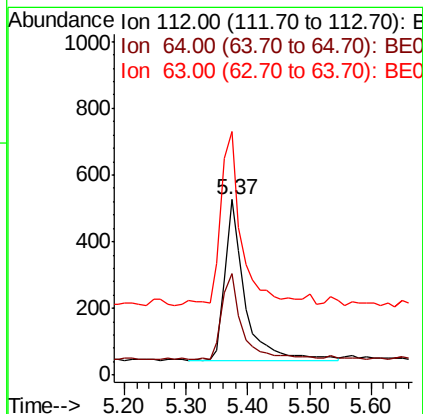
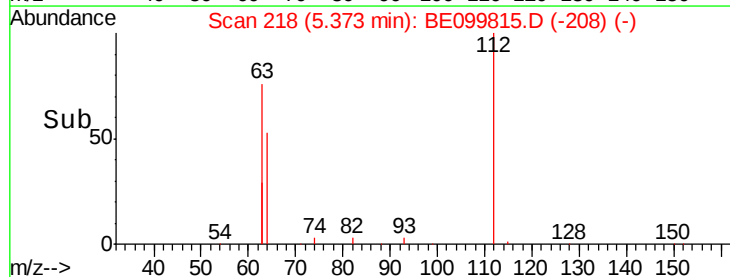
63 112.8 90.7 136.1

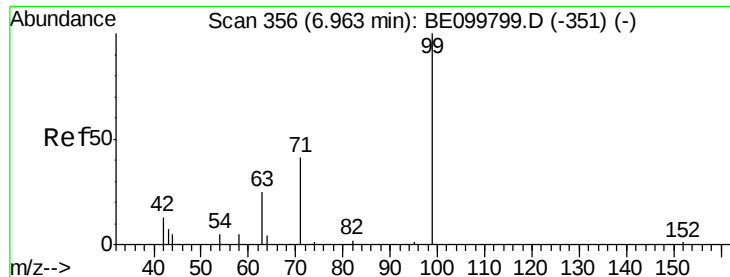


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.362 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

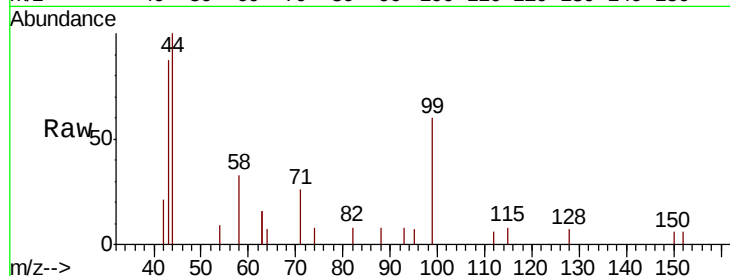
Tgt Ion: 99 Resp: 1354

Ion Ratio Lower Upper

99 100

42 16.8 11.0 16.4#

71 32.8 26.1 39.1



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

6.97

500

400

300

200

100

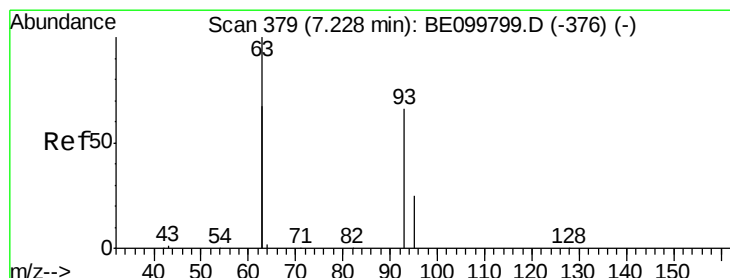
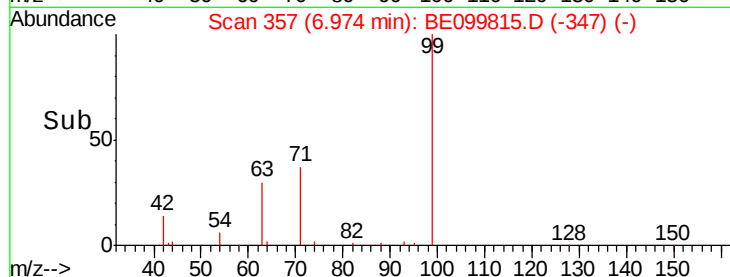
0

6.80

7.00

7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.341 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

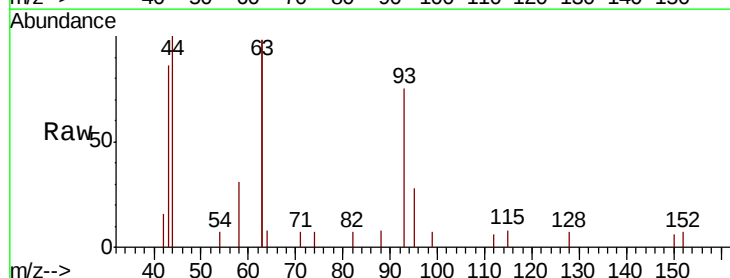
Tgt Ion: 93 Resp: 1119

Ion Ratio Lower Upper

93 100

63 253.1 208.8 313.2

95 32.7 27.6 41.4



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

2000

1500

1000

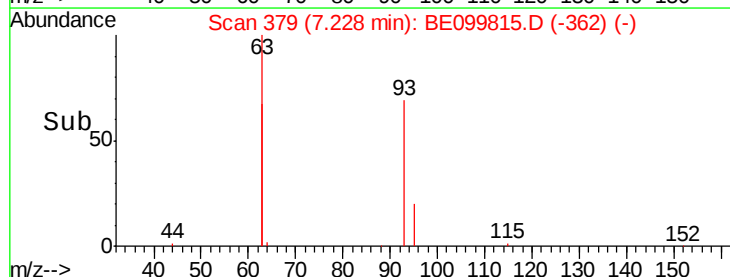
500

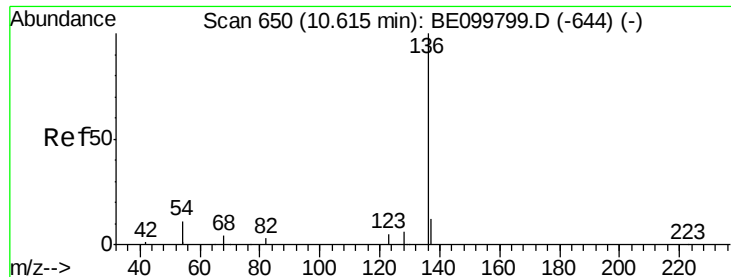
0

7.20

7.30

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

Tgt Ion: 136 Resp: 3846

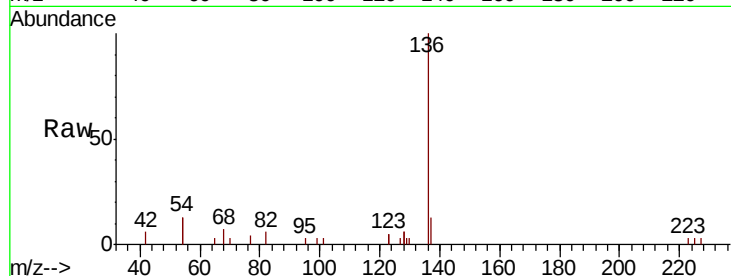
Ion Ratio Lower Upper

136 100

137 12.9 11.1 16.7

54 26.8 17.9 26.9

68 7.2 5.4 8.0

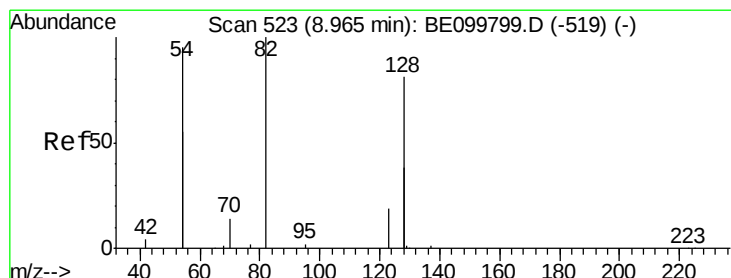
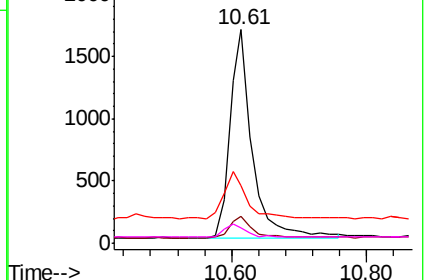
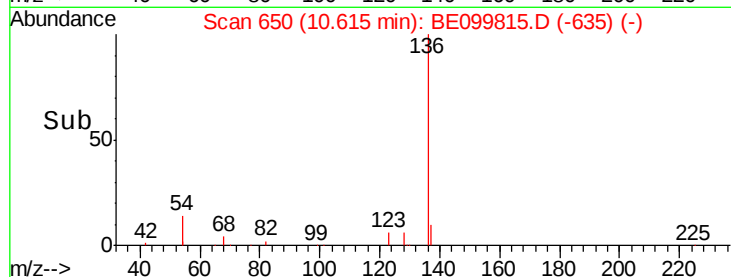


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.334 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

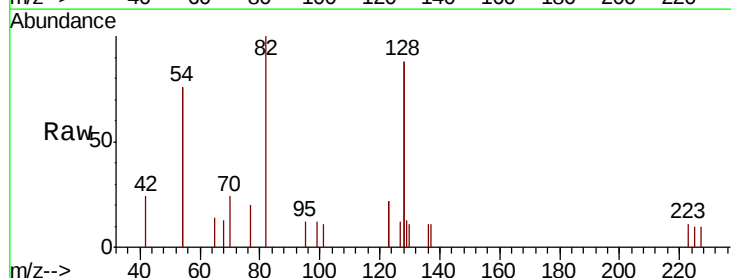
Tgt Ion: 82 Resp: 1129

Ion Ratio Lower Upper

82 100

128 175.8 116.6 175.0#

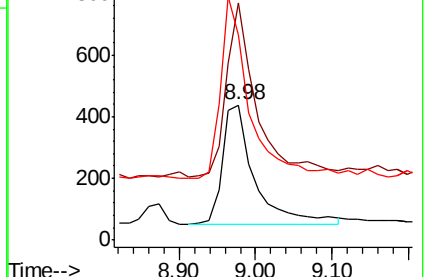
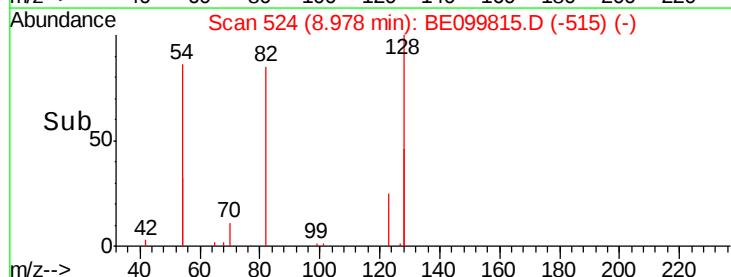
54 152.1 136.2 204.4

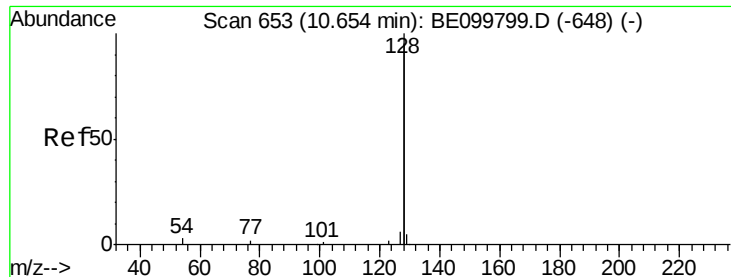


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.354 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

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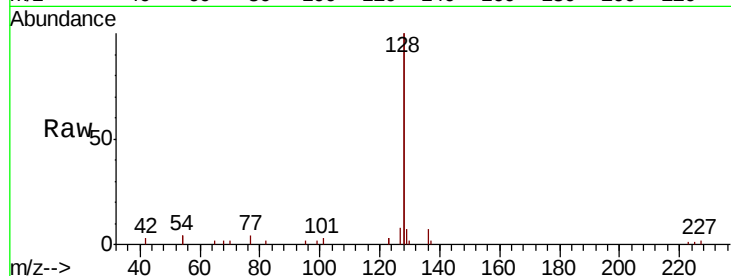
Tgt Ion:128 Resp: 14528

Ion Ratio Lower Upper

128 100

129 3.3 2.6 4.0

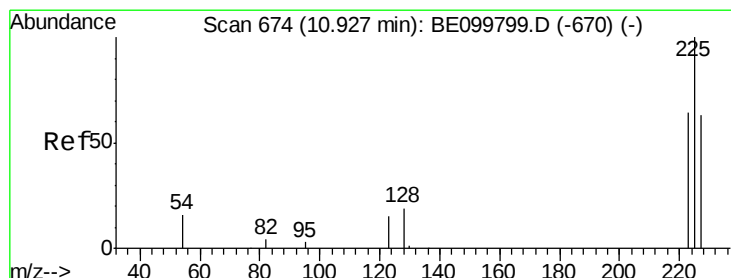
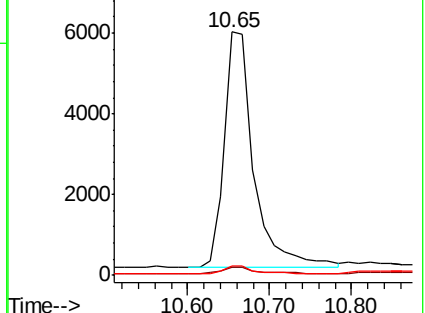
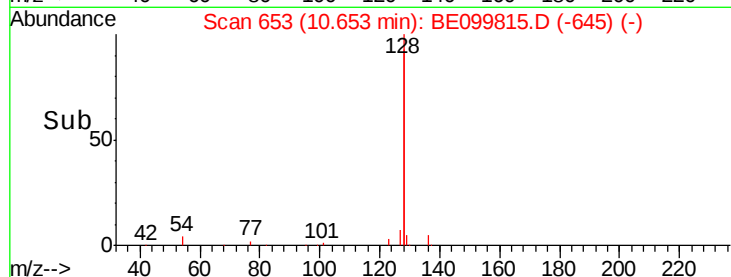
127 4.1 3.0 4.6



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: 0.355 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

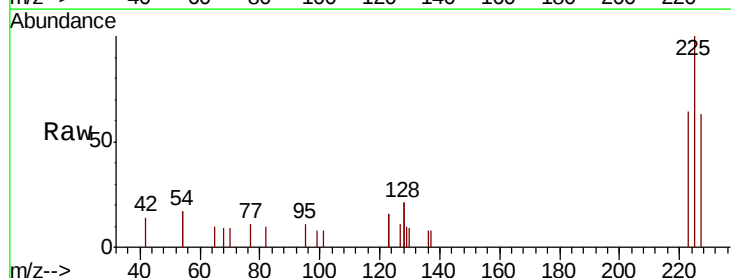
Tgt Ion:225 Resp: 1112

Ion Ratio Lower Upper

225 100

223 63.4 48.6 72.8

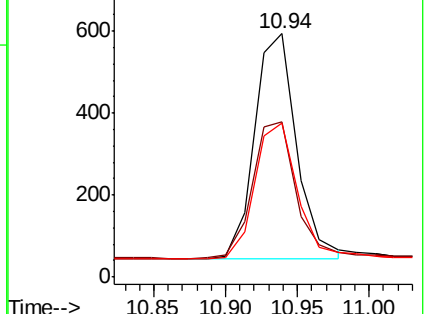
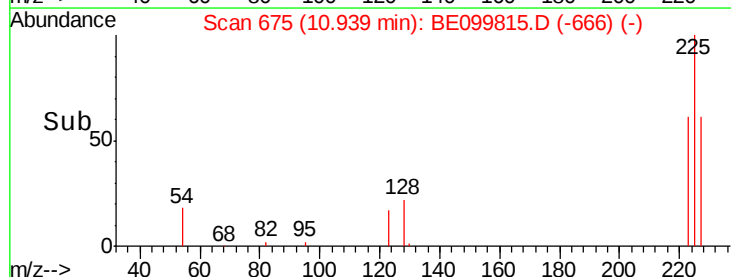
227 61.5 51.6 77.4

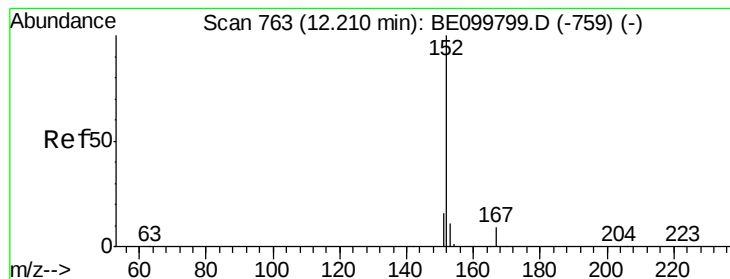


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.469 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.01 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

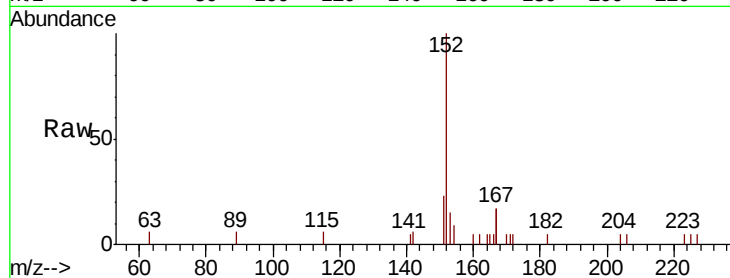
PB120314BS

Tgt Ion:152 Resp: 3094

Ion Ratio Lower Upper

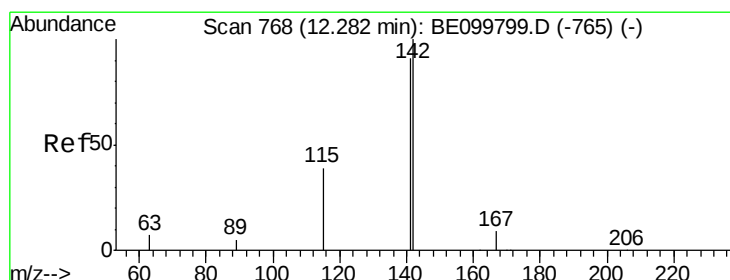
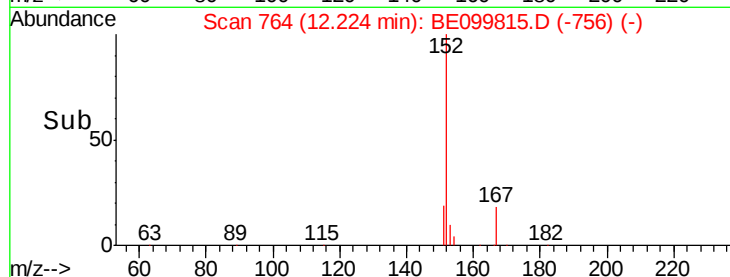
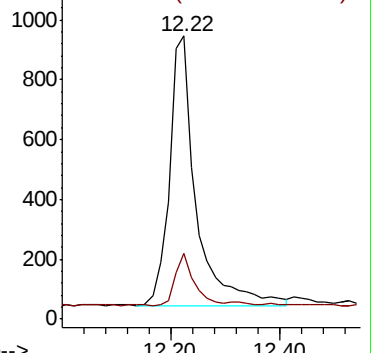
152 100

151 14.6 15.8 23.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.339 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.01 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

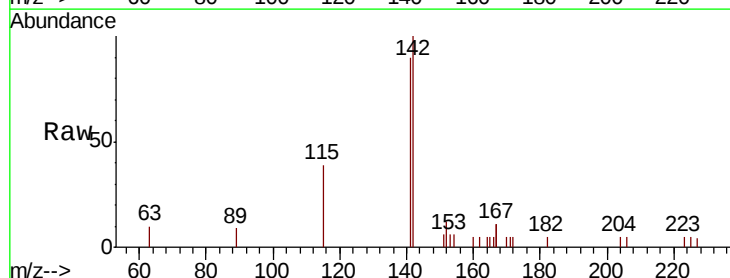
Tgt Ion:142 Resp: 2220

Ion Ratio Lower Upper

142 100

141 90.2 73.3 109.9

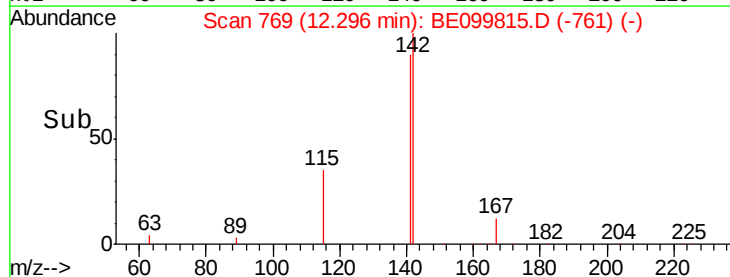
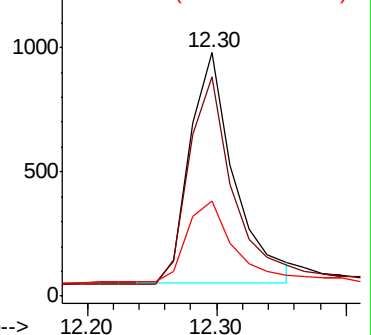
115 38.9 33.4 50.2

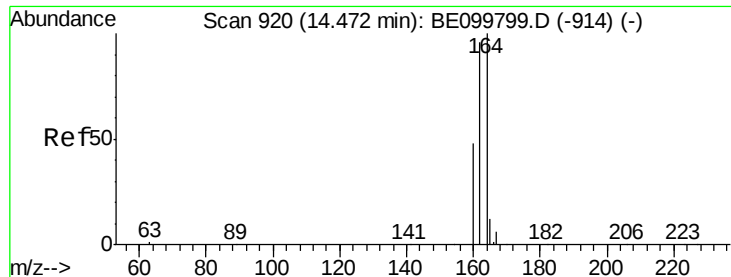


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

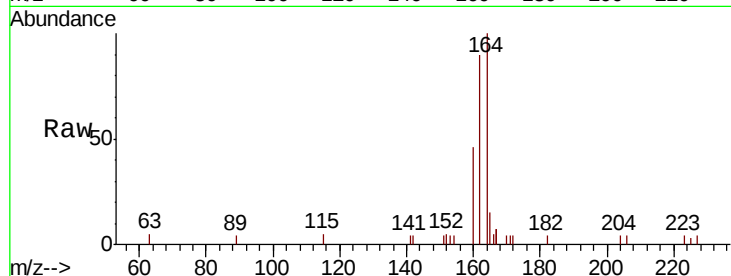




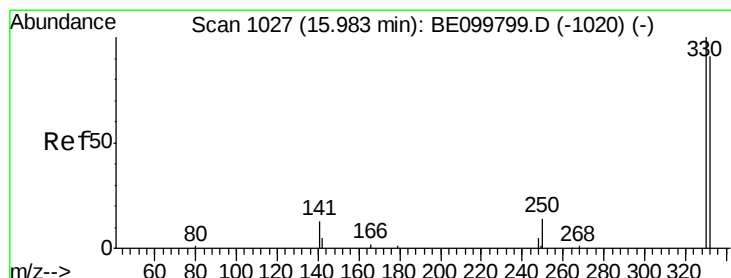
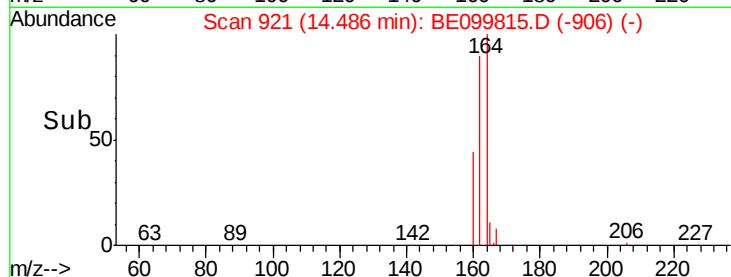
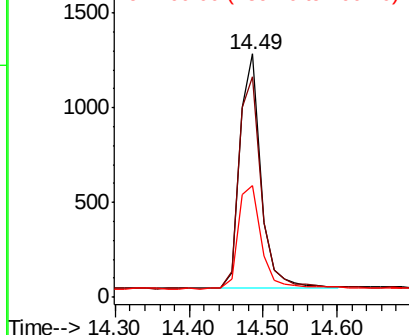
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: BE099815.D
 Acq: 6 Jun 2019 9:04

Instrument :
 BNA_E
 ClientSampleId :
 PB120314BS

Tgt Ion:164 Resp: 2469
 Ion Ratio Lower Upper
 164 100
 162 90.4 77.2 115.8
 160 46.0 39.4 59.2

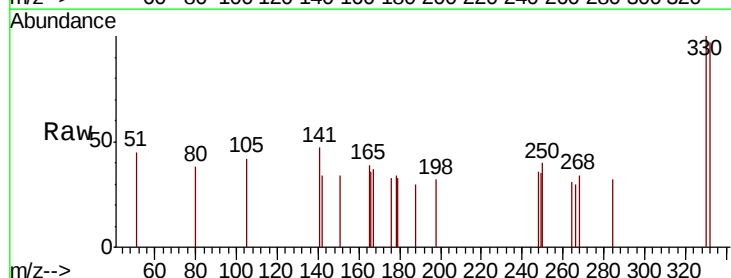


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

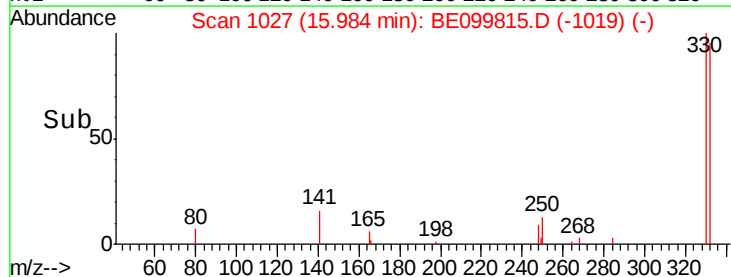
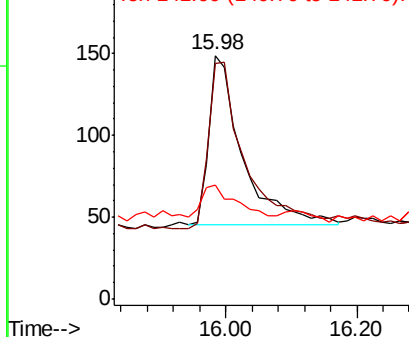


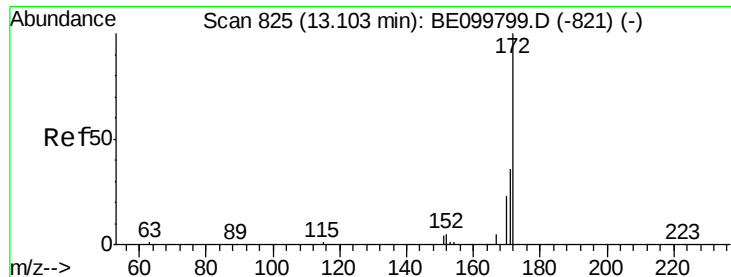
#14
 2,4,6-Tribromophenol
 Concen: 0.334 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099815.D
 Acq: 6 Jun 2019 9:04

Tgt Ion:330 Resp: 372
 Ion Ratio Lower Upper
 330 100
 332 108.1 74.9 112.3
 141 19.1 16.0 24.0



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

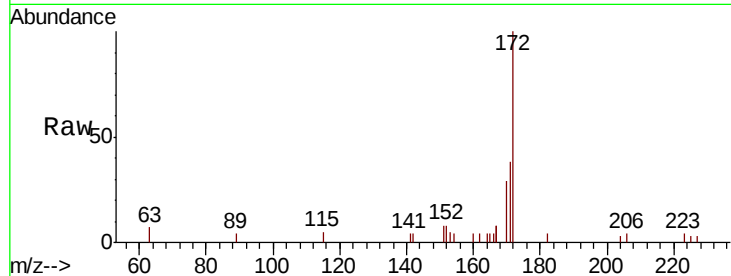




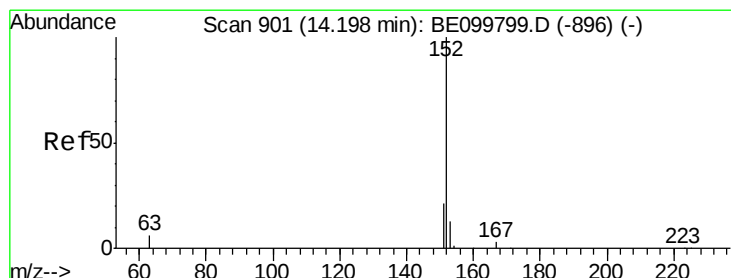
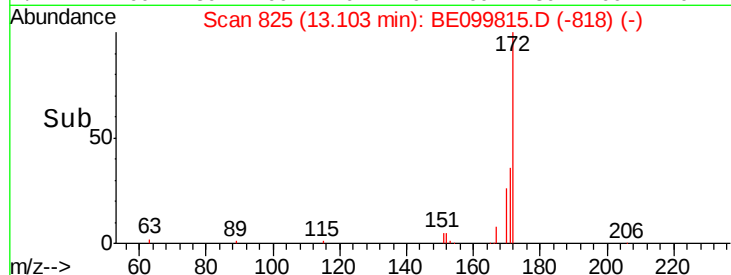
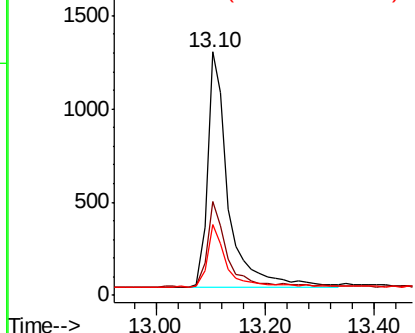
#15
2-Fluorobiphenyl
Concen: 0.366 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099815.D
Acq: 6 Jun 2019 9:04

Instrument :
BNA_E
ClientSampleId :
PB120314BS

Tgt Ion:172 Resp: 3362
Ion Ratio Lower Upper
172 100
171 38.4 30.2 45.4
170 28.9 20.1 30.1

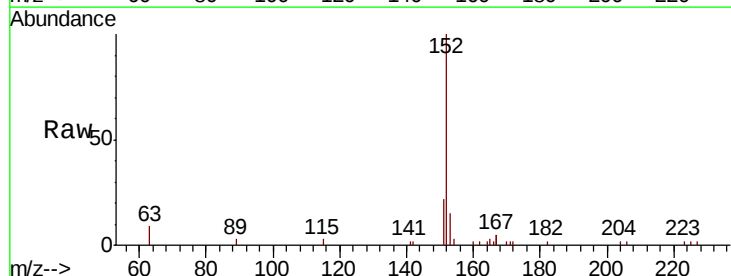


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

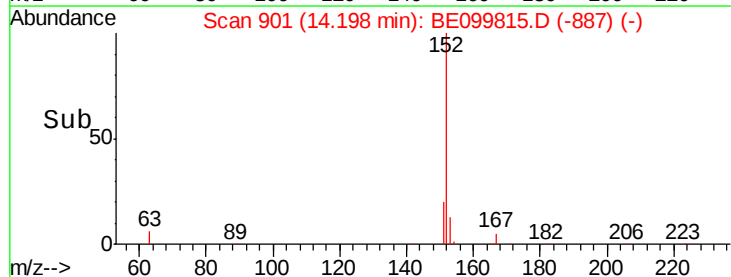
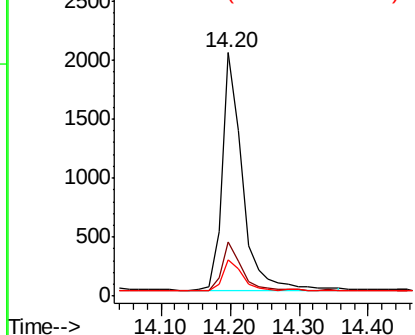


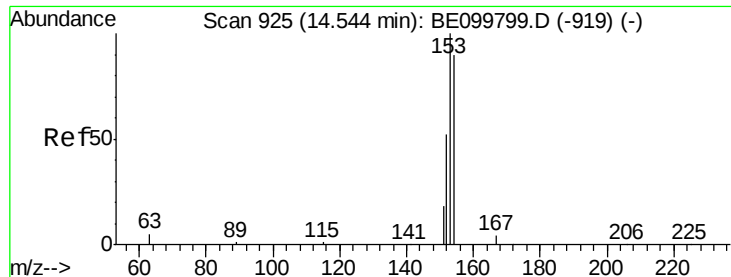
#16
Acenaphthylene
Concen: 0.344 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE099815.D
Acq: 6 Jun 2019 9:04

Tgt Ion:152 Resp: 4102
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 12.5 10.8 16.2



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

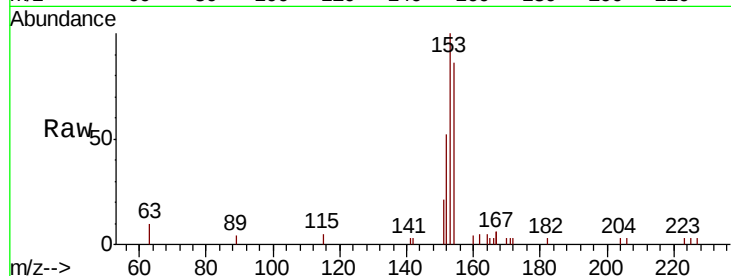




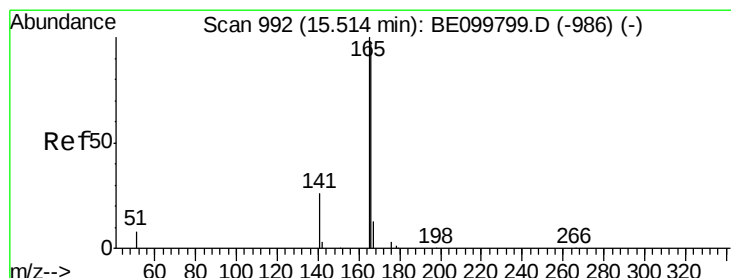
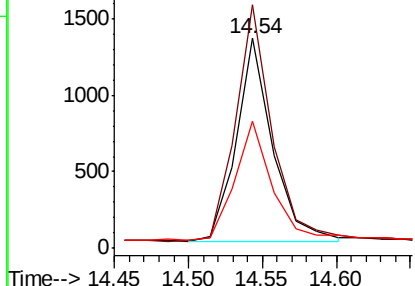
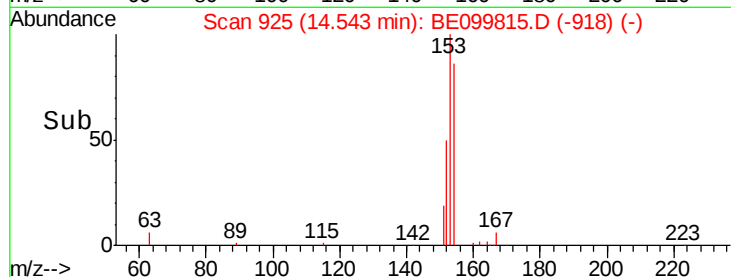
#17
Acenaphthene
Concen: 0.345 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099815.D
Acq: 6 Jun 2019 9:04

Instrument :
BNA_E
ClientSampleId :
PB120314BS

Tgt Ion:154 Resp: 2250
Ion Ratio Lower Upper
154 100
153 117.8 93.8 140.6
152 61.0 48.3 72.5

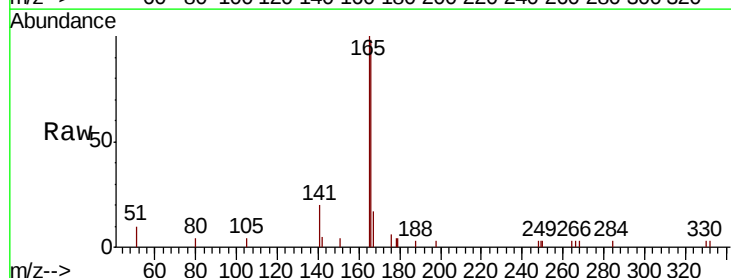


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

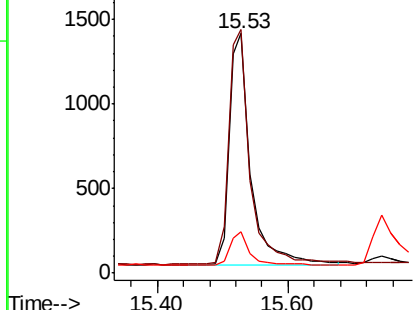
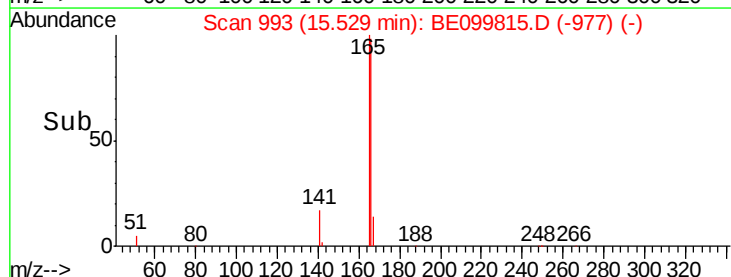


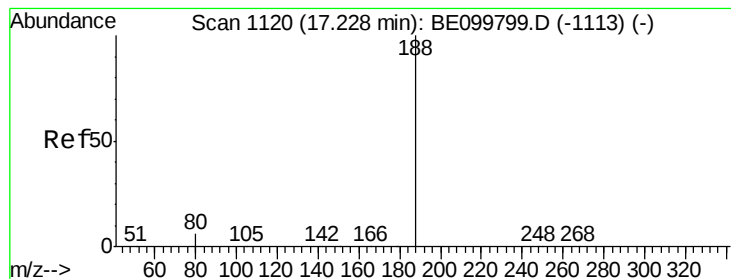
#18
Fluorene
Concen: 0.330 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.01 min
Lab File: BE099815.D
Acq: 6 Jun 2019 9:04

Tgt Ion:166 Resp: 3171
Ion Ratio Lower Upper
166 100
165 101.2 80.4 120.6
167 13.3 10.7 16.1



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: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

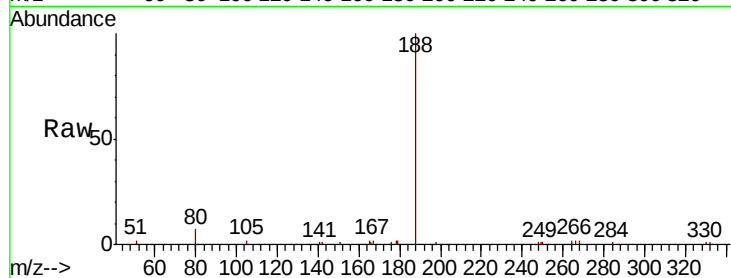
Tgt Ion:188 Resp: 7602

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

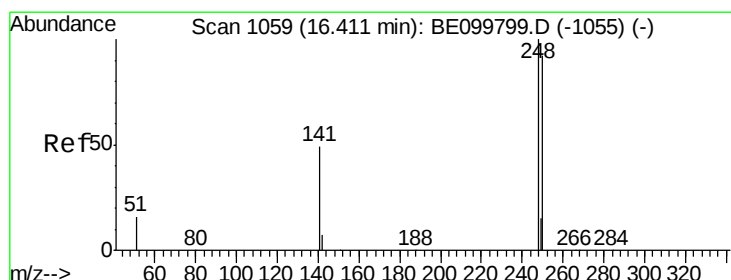
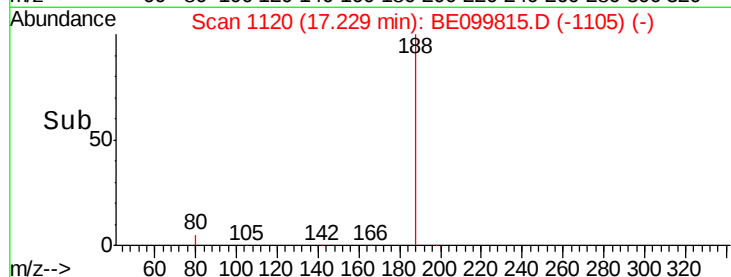
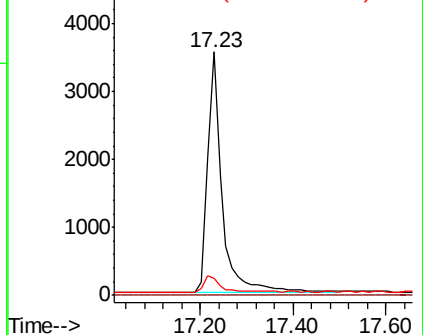
80 6.9 5.2 7.8



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: 0.340 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.01 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

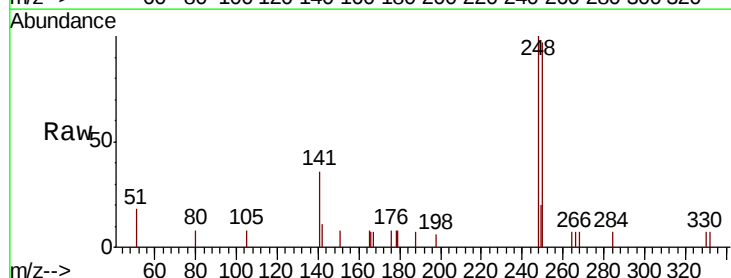
Tgt Ion:248 Resp: 1442

Ion Ratio Lower Upper

248 100

250 97.1 73.7 110.5

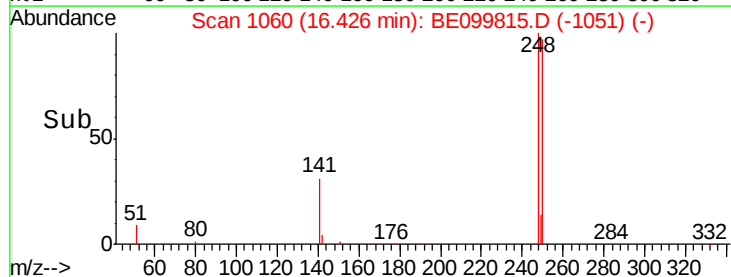
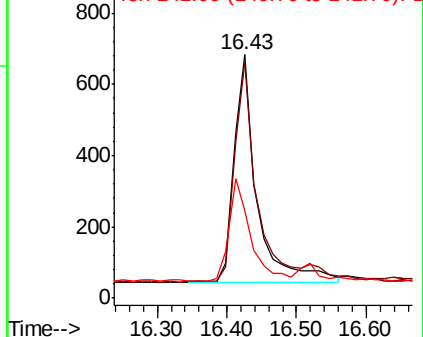
141 36.2 40.9 61.3#

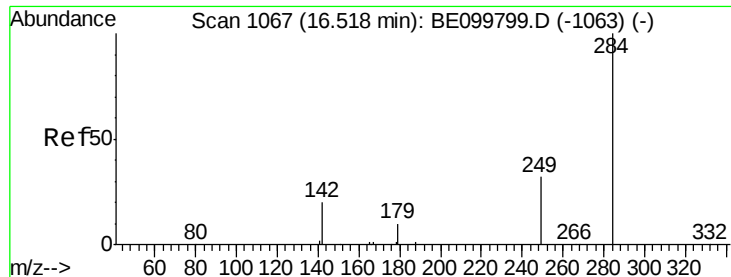


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.344 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

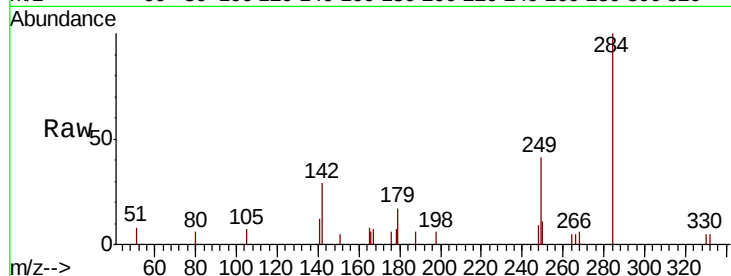
Tgt Ion:284 Resp: 1600

Ion Ratio Lower Upper

284 100

142 20.8 16.2 24.4

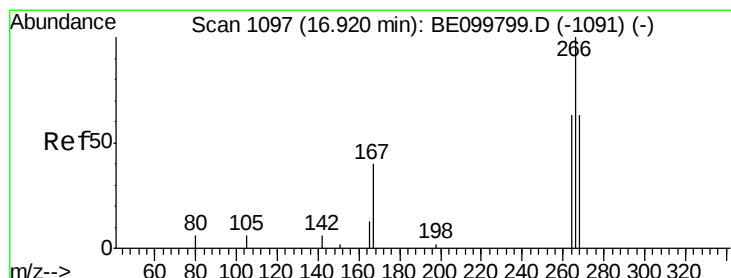
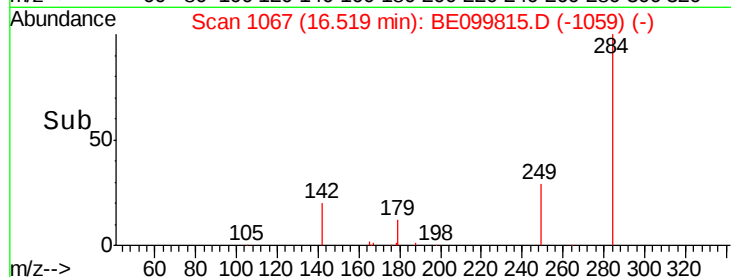
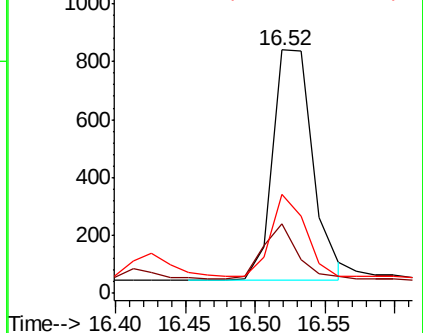
249 30.6 23.1 34.7



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: 0.449 ng

RT: 16.97 min Scan# 1101

Delta R.T. 0.06 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

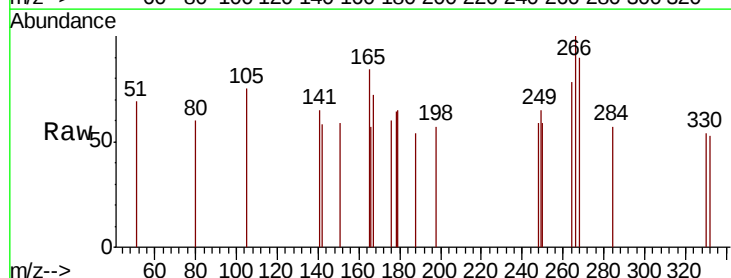
Tgt Ion:266 Resp: 259

Ion Ratio Lower Upper

266 100

264 78.3 64.9 97.3

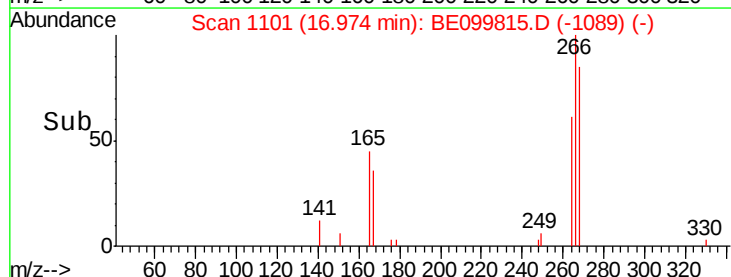
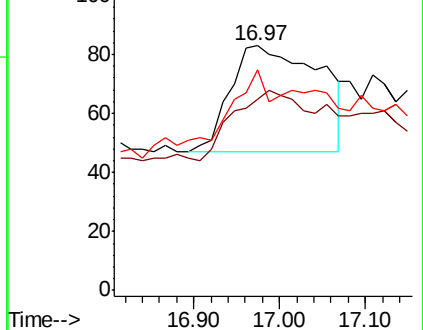
268 90.4 64.0 96.0

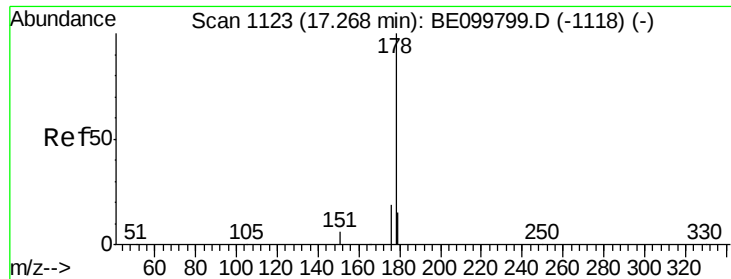


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.334 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

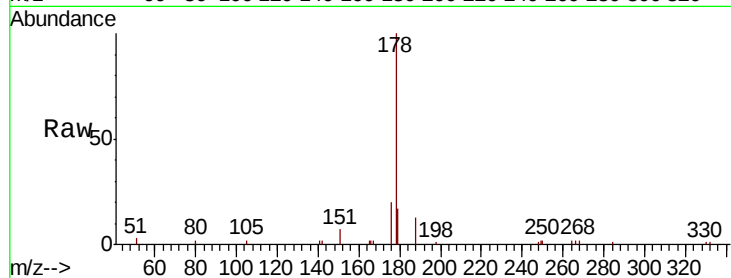
Tgt Ion:178 Resp: 6066

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

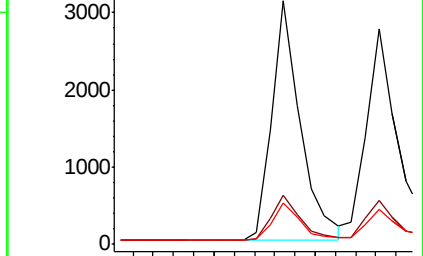
179 15.7 12.5 18.7



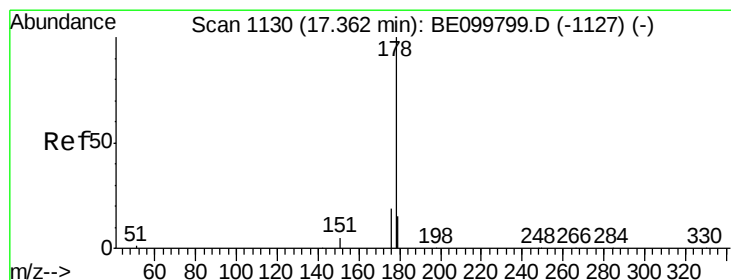
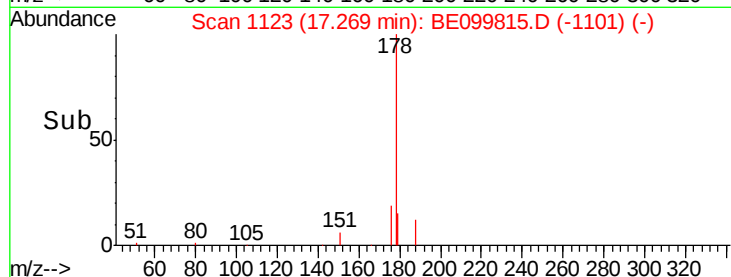
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.323 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

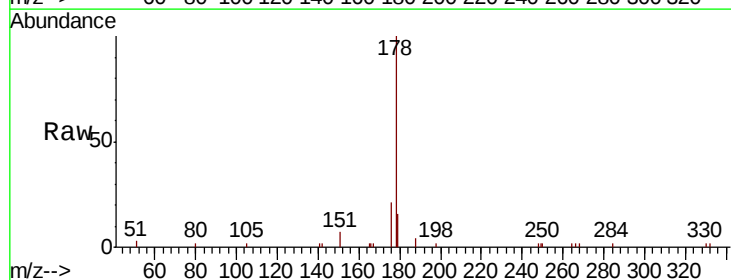
Tgt Ion:178 Resp: 5295

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

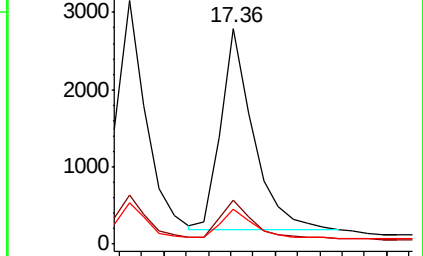
179 14.7 12.1 18.1



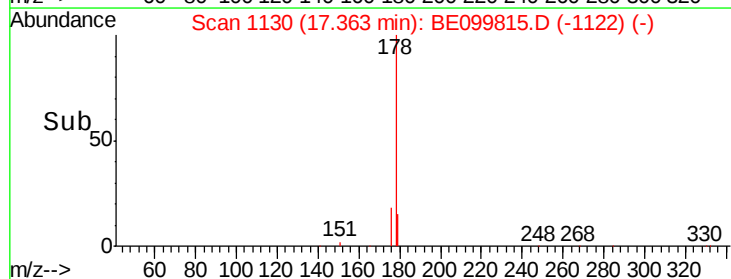
Abundance Ion 178.00 (177.70 to 178.70): E

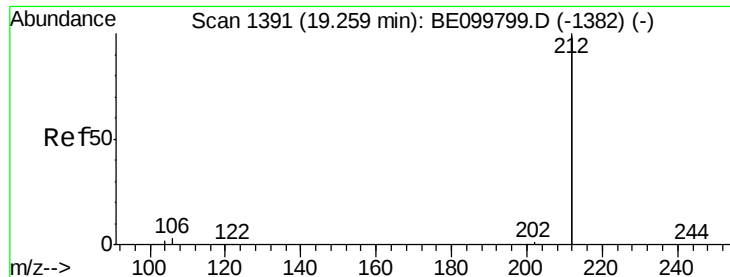
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

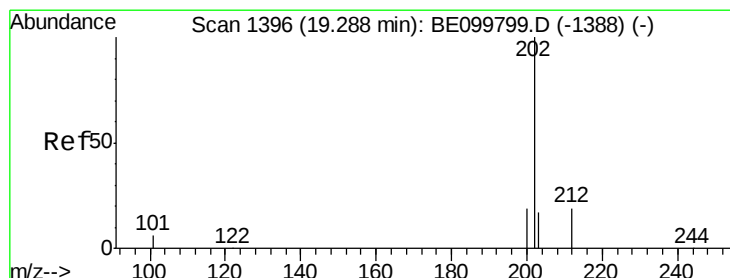
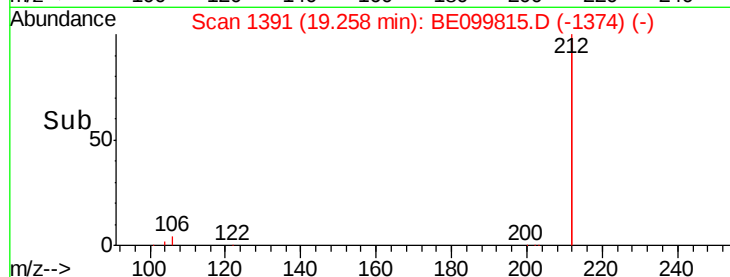
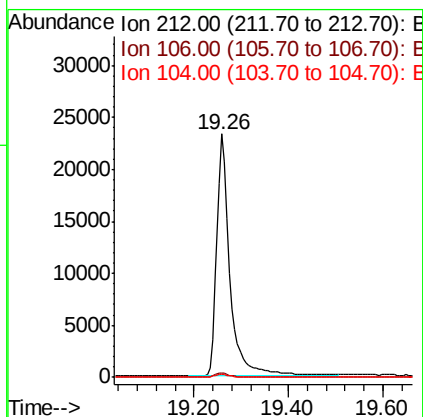
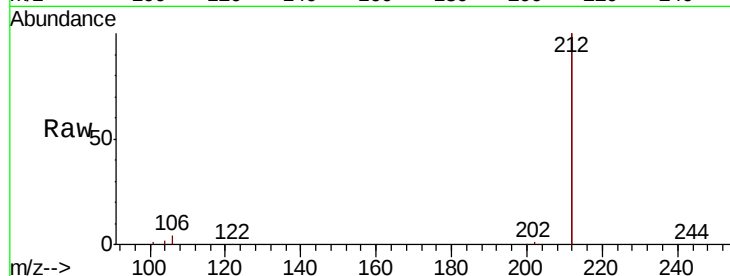




#25
 Fluoranthene-d10
 Concen: 0.396 ng
 RT: 19.26 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: BE099815.D
 Acq: 6 Jun 2019 9:04

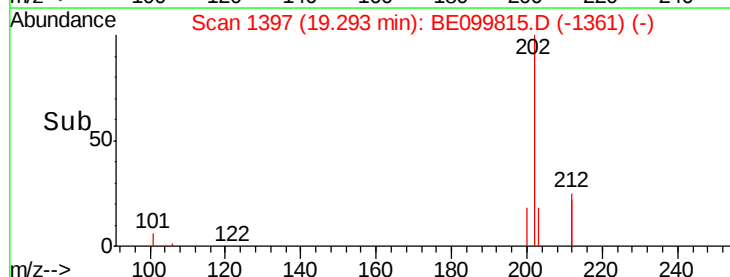
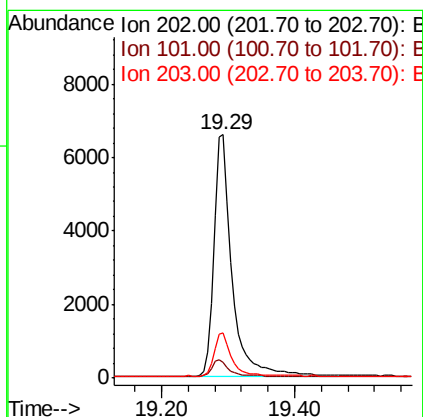
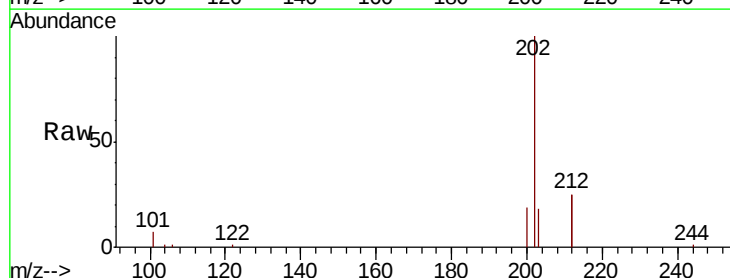
Instrument :
 BNA_E
 ClientSampleId :
 PB120314BS

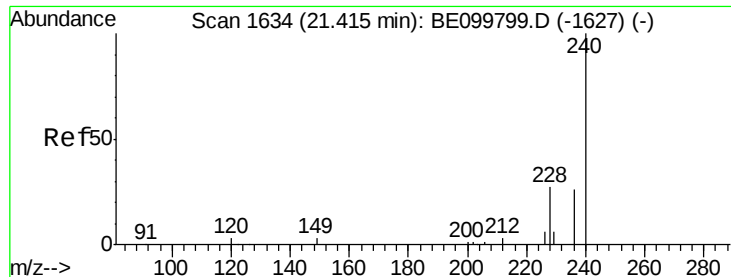
Tgt Ion: 212 Resp: 44784
 Ion Ratio Lower Upper
 212 100
 106 1.8 1.4 2.0
 104 1.0 0.8 1.2



#26
 Fluoranthene
 Concen: 0.387 ng
 RT: 19.29 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BE099815.D
 Acq: 6 Jun 2019 9:04

Tgt Ion: 202 Resp: 12293
 Ion Ratio Lower Upper
 202 100
 101 6.4 5.2 7.8
 203 17.1 13.6 20.4

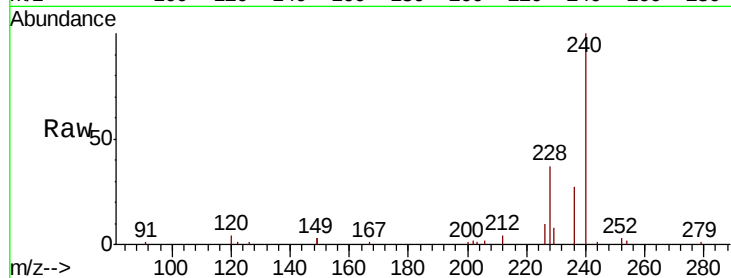




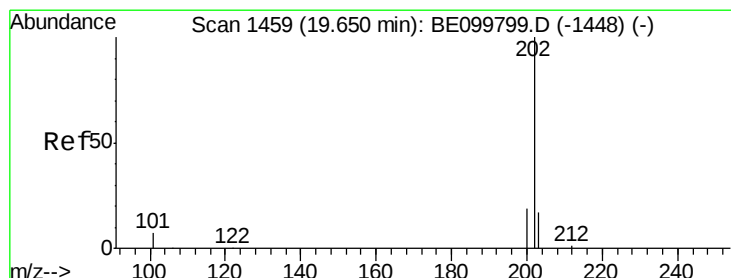
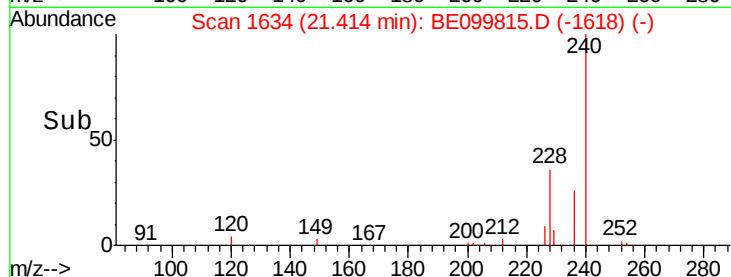
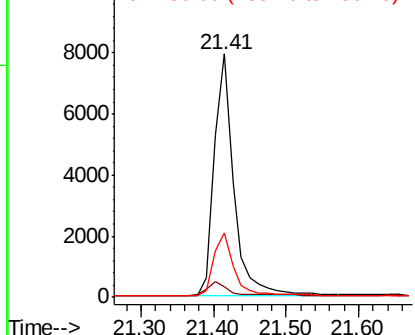
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099815.D
Acq: 6 Jun 2019 9:04

Instrument :
BNA_E
ClientSampleId :
PB120314BS

Tgt Ion:240 Resp: 15017
Ion Ratio Lower Upper
240 100
120 4.3 2.8 4.2#
236 26.5 20.9 31.3

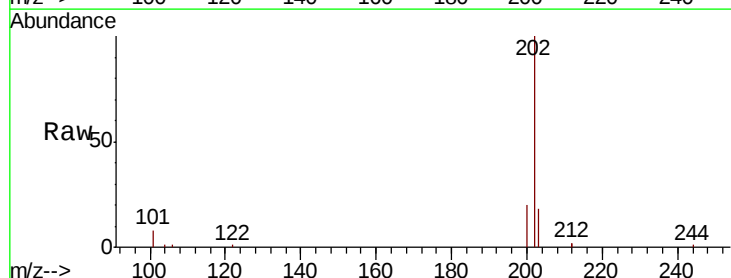


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

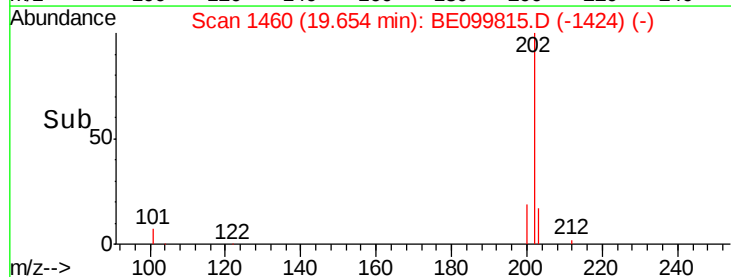
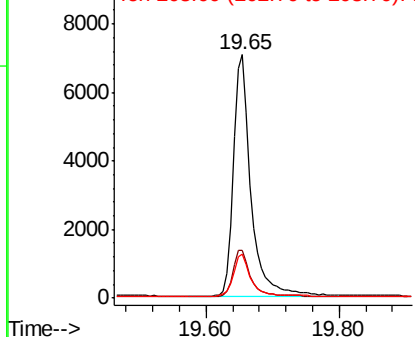


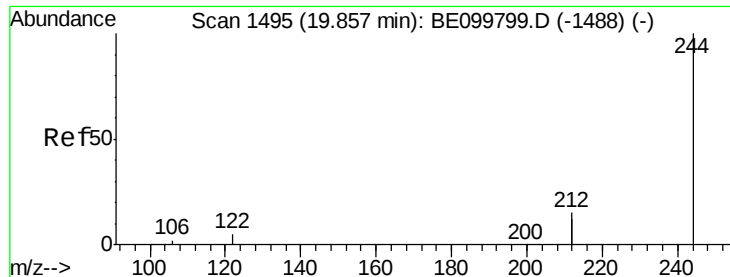
#28
Pyrene
Concen: 0.352 ng
RT: 19.65 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BE099815.D
Acq: 6 Jun 2019 9:04

Tgt Ion:202 Resp: 12760
Ion Ratio Lower Upper
202 100
200 19.5 15.6 23.4
203 17.7 14.1 21.1



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: 0.376 ng

RT: 19.86 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

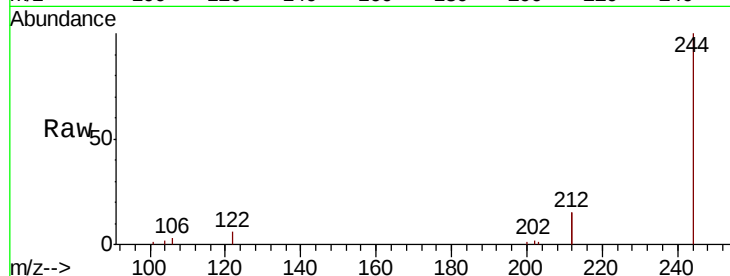
Tgt Ion:244 Resp: 9252

Ion Ratio Lower Upper

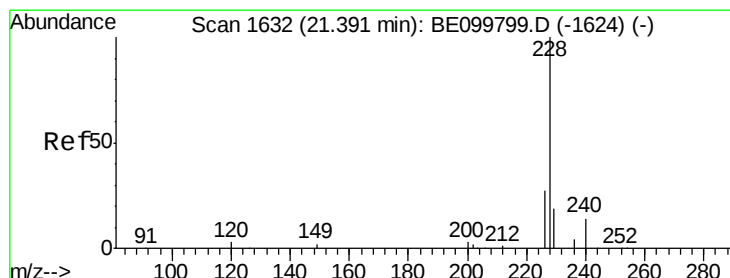
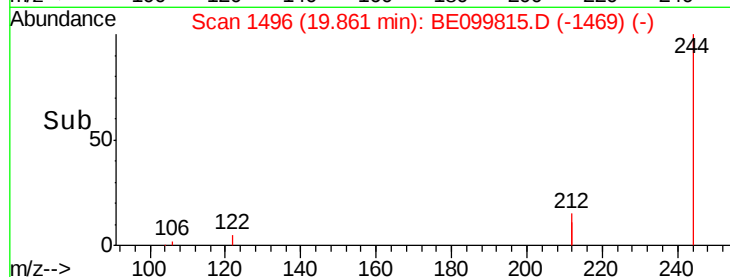
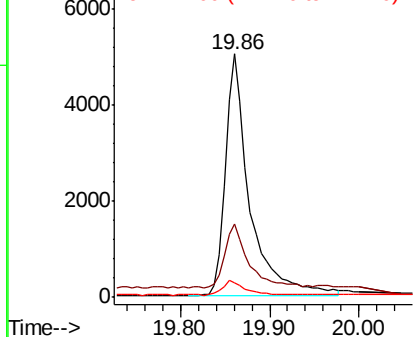
244 100

212 30.1 23.7 35.5

122 6.2 4.8 7.2



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: 0.405 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

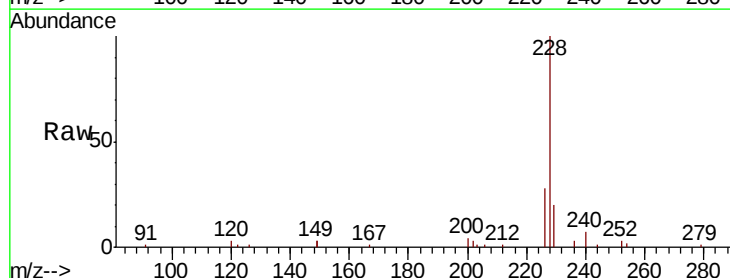
Tgt Ion:228 Resp: 16823

Ion Ratio Lower Upper

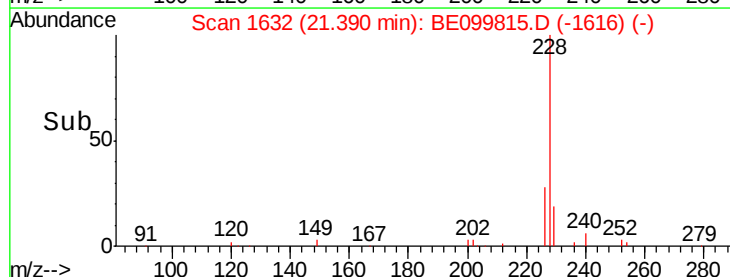
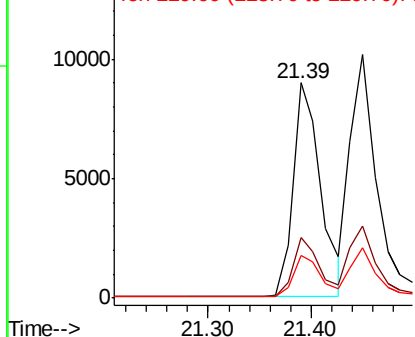
228 100

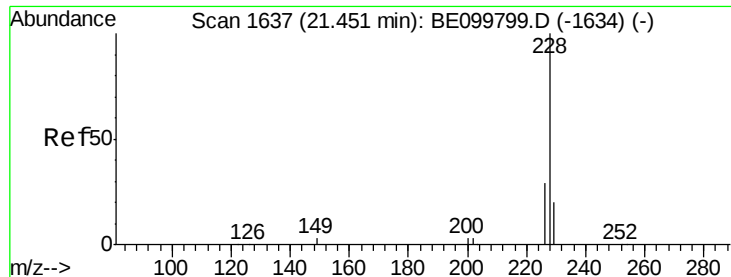
226 28.0 21.6 32.4

229 19.6 15.8 23.6



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: 0.382 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

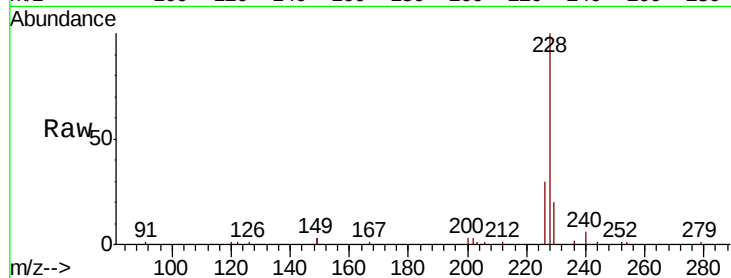
Tgt Ion:228 Resp: 17496

Ion Ratio Lower Upper

228 100

226 29.8 22.9 34.3

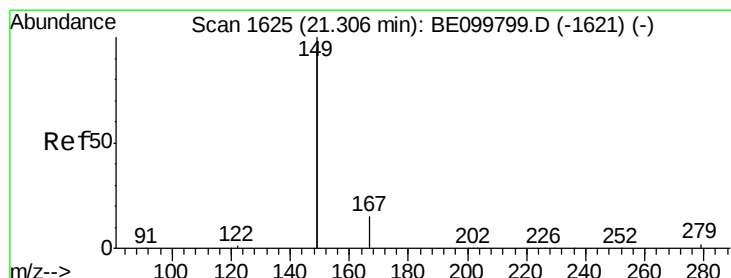
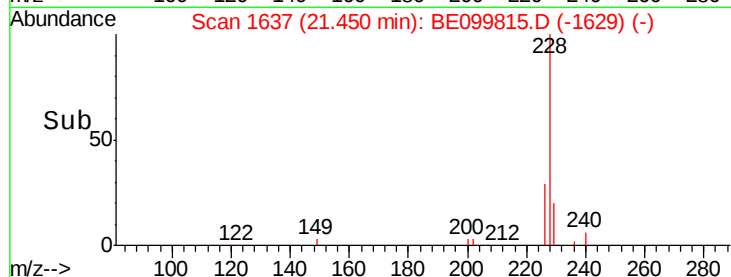
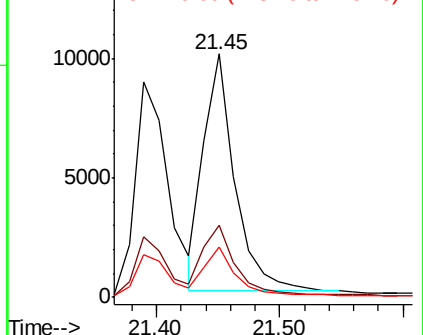
229 20.4 16.4 24.6



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: 0.326 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

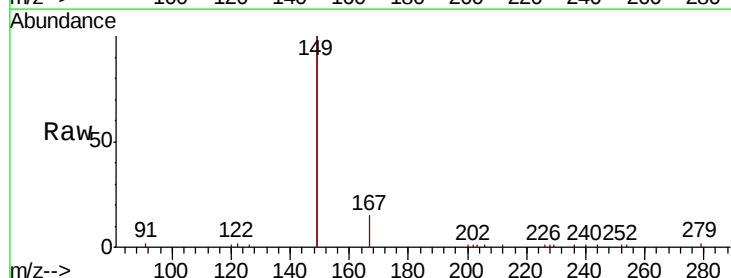
Tgt Ion:149 Resp: 15536

Ion Ratio Lower Upper

149 100

167 7.4 6.0 9.0

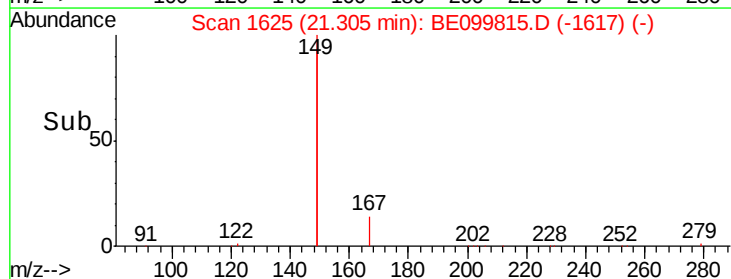
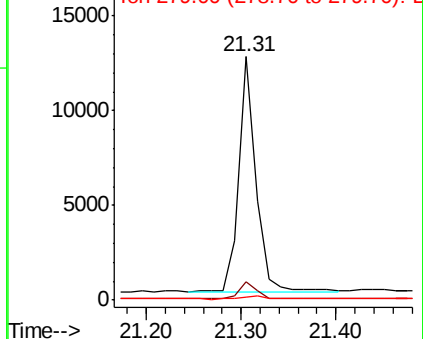
279 1.6 1.2 1.8

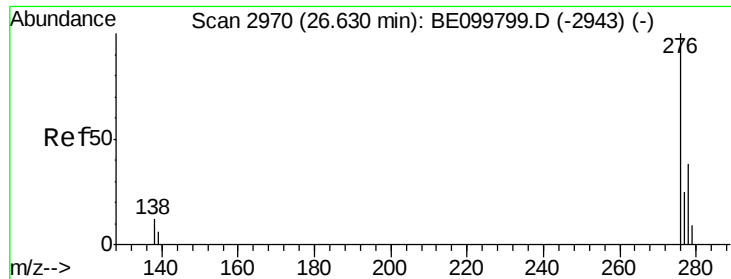


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.376 ng

RT: 26.64 min Scan# 2972

Delta R.T. 0.01 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

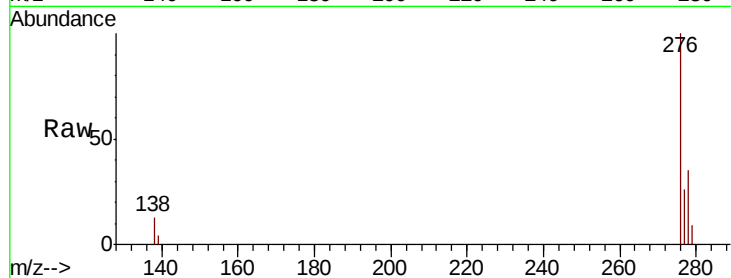
Tgt Ion:276 Resp: 20655

Ion Ratio Lower Upper

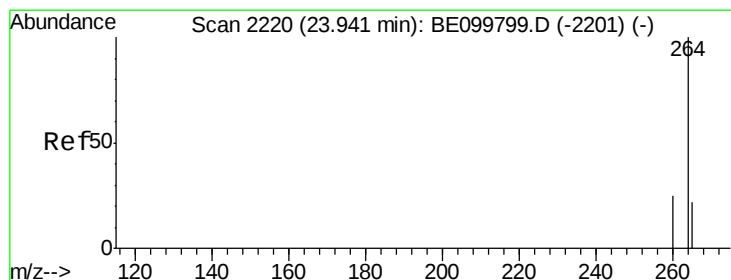
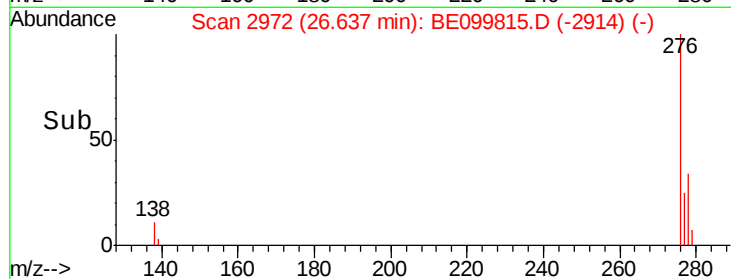
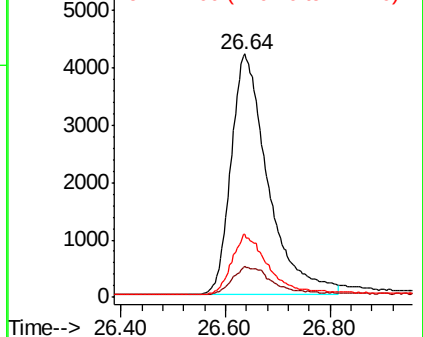
276 100

138 12.0 10.3 15.5

277 24.0 19.4 29.2



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: 23.94 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

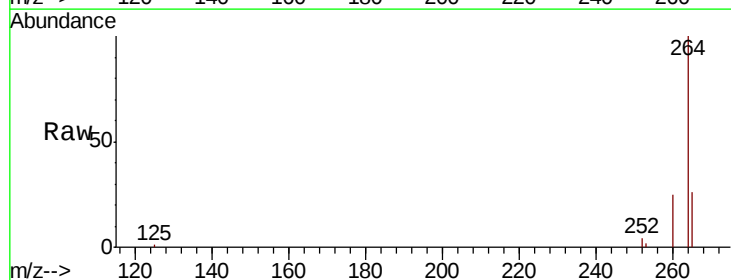
Tgt Ion:264 Resp: 17501

Ion Ratio Lower Upper

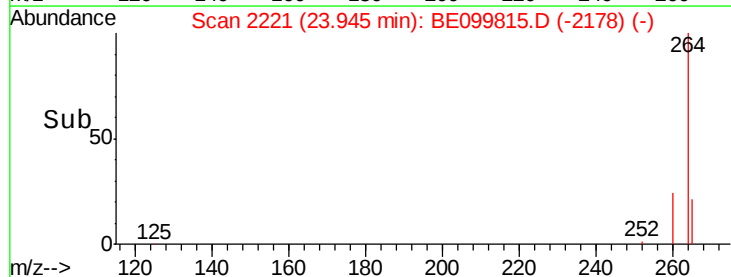
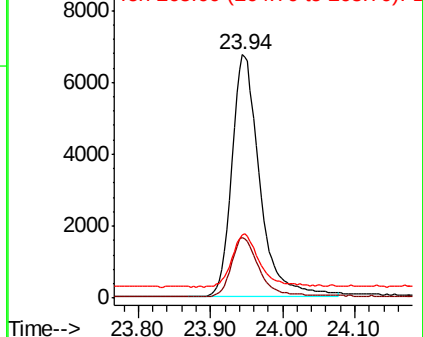
264 100

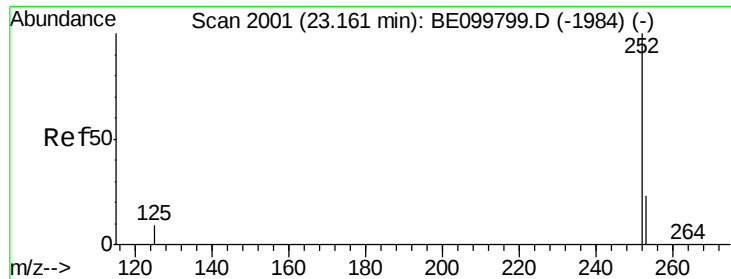
260 24.7 20.0 30.0

265 26.0 20.7 31.1



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: 0.347 ng

RT: 23.16 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

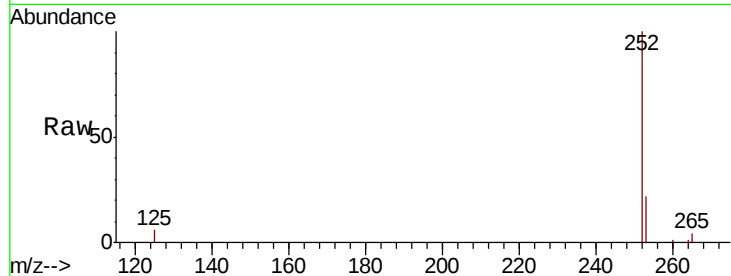
Tgt Ion:252 Resp: 16821

Ion Ratio Lower Upper

252 100

253 22.5 18.9 28.3

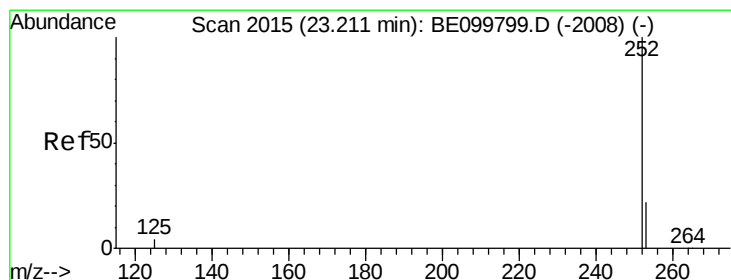
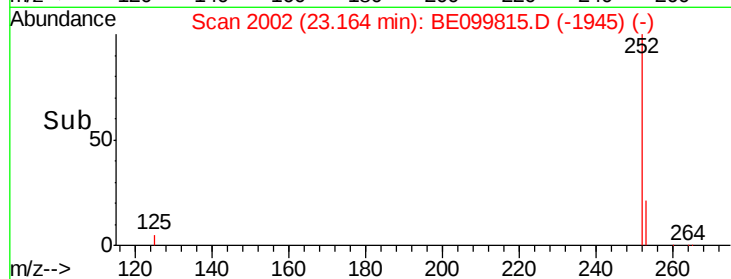
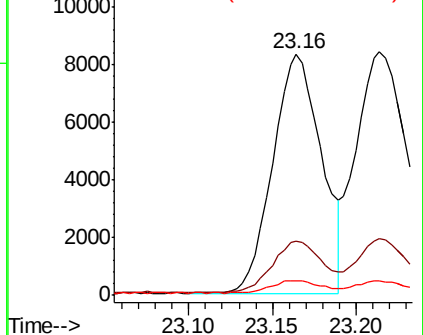
125 5.9 7.6 11.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.388 ng

RT: 23.21 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

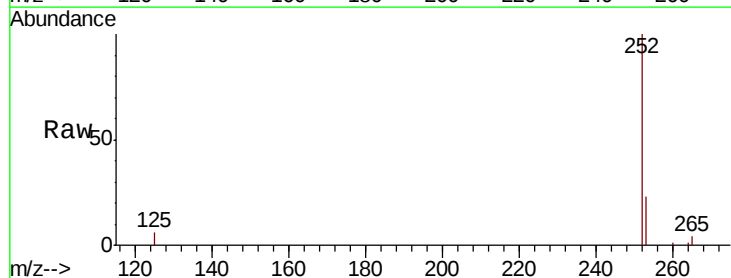
Tgt Ion:252 Resp: 19945

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

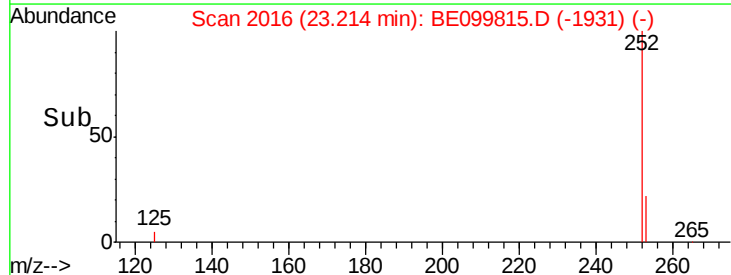
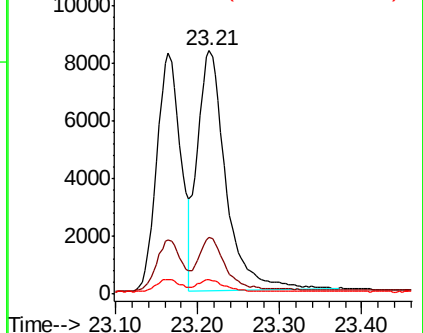
125 6.1 4.6 7.0

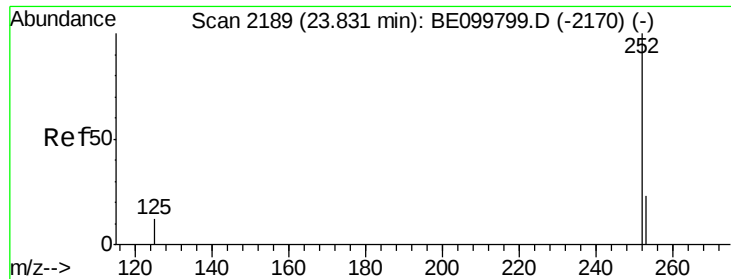


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.372 ng

RT: 23.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS

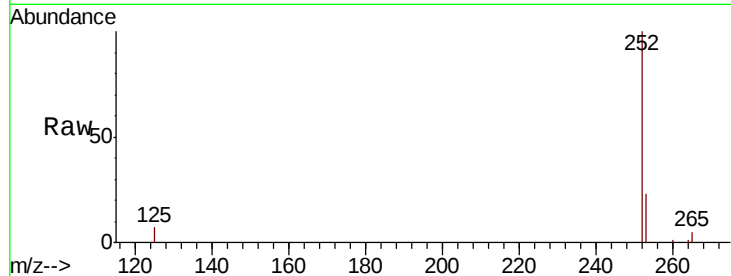
Tgt Ion:252 Resp: 17486

Ion Ratio Lower Upper

252 100

253 23.4 19.3 28.9

125 6.8 10.2 15.4#

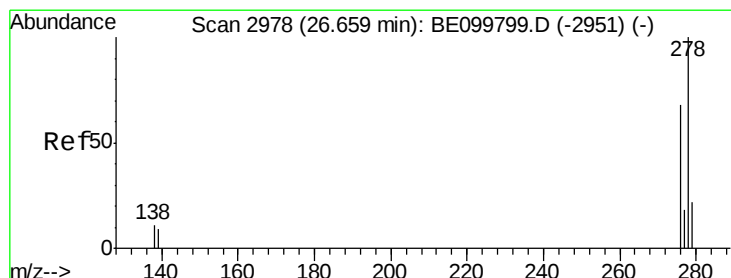
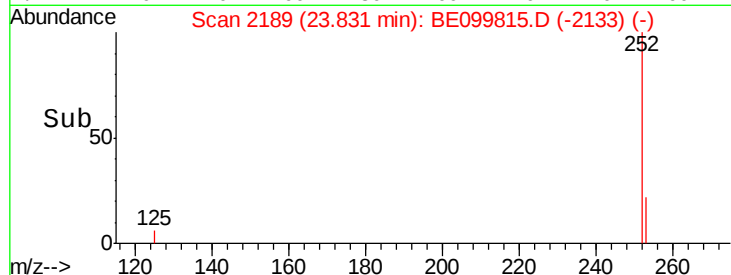
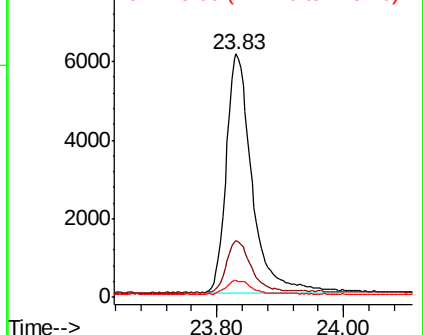


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.345 ng

RT: 26.67 min Scan# 2980

Delta R.T. 0.01 min

Lab File: BE099815.D

Acq: 6 Jun 2019 9:04

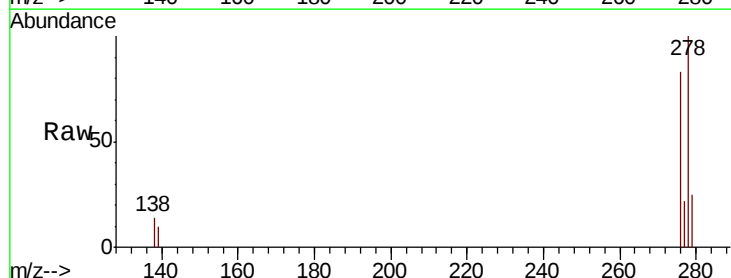
Tgt Ion:278 Resp: 16496

Ion Ratio Lower Upper

278 100

139 9.5 7.9 11.9

279 25.0 18.5 27.7

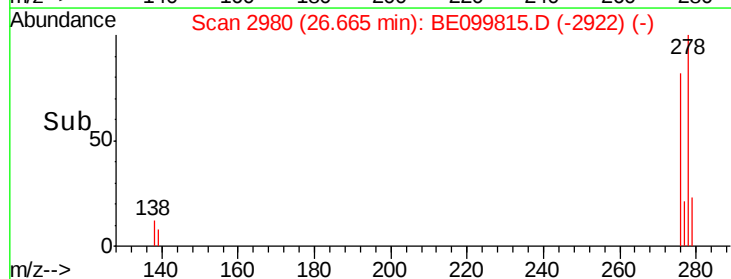
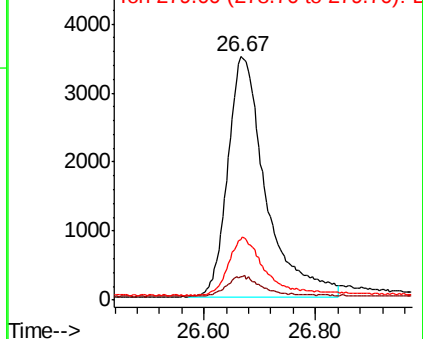


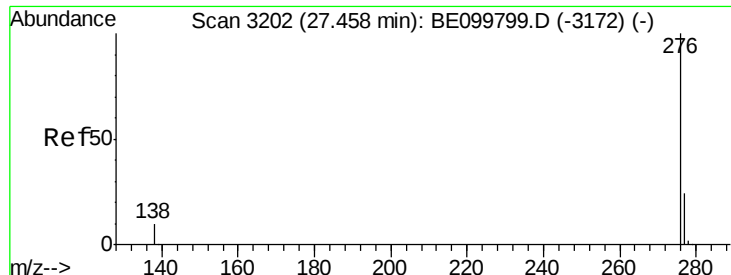
Abundance

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(g,h,i)perylene

Concen: 0.366 ng

RT: 27.46 min Scan# 3204

Delta R.T. 0.01 min

Lab File: BE099815.D

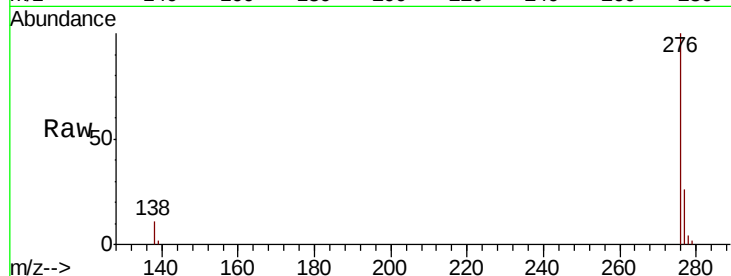
Acq: 6 Jun 2019 9:04

Instrument :

BNA_E

ClientSampleId :

PB120314BS



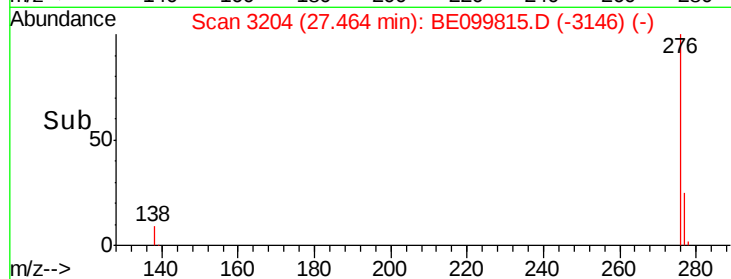
Tgt Ion: 276 Resp: 18366

Ion Ratio Lower Upper

276 100

277 25.6 19.6 29.4

138 10.7 9.0 13.4



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

