

Data File : BE099695.D
Acq On : 21 May 2019 18:43
Operator : JU/SJ
Sample : PB119824BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Quant Time: May 22 08:16:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1793	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5913	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3762	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	9870	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15941	0.40	ng	0.00
34) Perylene-d12	23.95	264	19142	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	1720	0.38	ng	0.01
5) Phenol-d6	6.98	99	2314	0.39	ng	0.00
8) Nitrobenzene-d5	8.98	82	1998	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	4830	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	582	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	5611	0.39	ng	0.00
25) Fluoranthene-d10	19.27	212	50218	0.37	ng	0.00
29) Terphenyl-d14	19.86	244	10946	0.38	ng	0.00

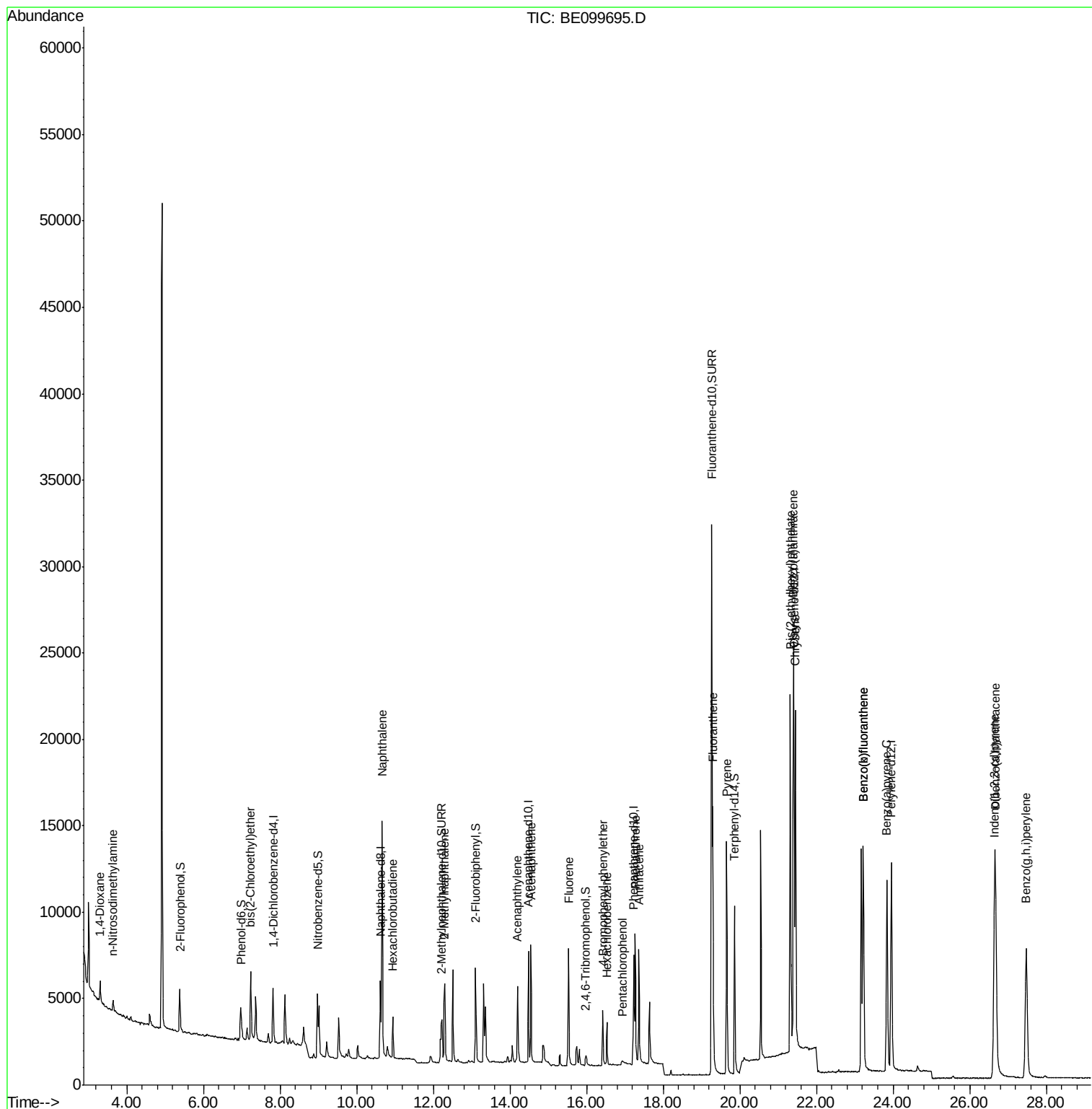
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	759	0.286	ng	# 23
3) n-Nitrosodimethylamine	3.64	42	493	0.336	ng	# 87
6) bis(2-Chloroethyl)ether	7.23	93	1891	0.354	ng	98
9) Naphthalene	10.67	128	23641	0.374	ng	100
10) Hexachlorobutadiene	10.94	225	1698	0.365	ng	98
12) 2-Methylnaphthalene	12.30	142	3803	0.369	ng	98
16) Acenaphthylene	14.20	152	6294	0.359	ng	99
17) Acenaphthene	14.54	154	3668	0.373	ng	99
18) Fluorene	15.53	166	4979	0.343	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	2123	0.373	ng	95
21) Hexachlorobenzene	16.53	284	2278	0.391	ng	99
22) Pentachlorophenol	16.93	266	484	0.449	ng	93
23) Phenanthrene	17.27	178	8910	0.369	ng	99
24) Anthracene	17.36	178	7767	0.355	ng	99
26) Fluoranthene	19.29	202	13814	0.362	ng	100
28) Pyrene	19.66	202	14416	0.360	ng	99
30) Benzo(a)anthracene	21.40	228	19575	0.432	ng	99
31) Chrysene	21.45	228	20070	0.414	ng	100
32) Bis(2-ethylhexyl)phthalate	21.32	149	24458	0.469	ng	100
33) Indeno(1,2,3-cd)pyrene	26.64	276	24989	0.427	ng	99
35) Benzo(b)fluoranthene	23.22	252	21039	0.401	ng	99
36) Benzo(k)fluoranthene	23.22	252	21269	0.389	ng	99
37) Benzo(a)pyrene	23.84	252	20164	0.399	ng	# 99
38) Dibenzo(a,h)anthracene	26.67	278	20836	0.393	ng	99
39) Benzo(g,h,i)perylene	27.48	276	21056	0.393	ng	98

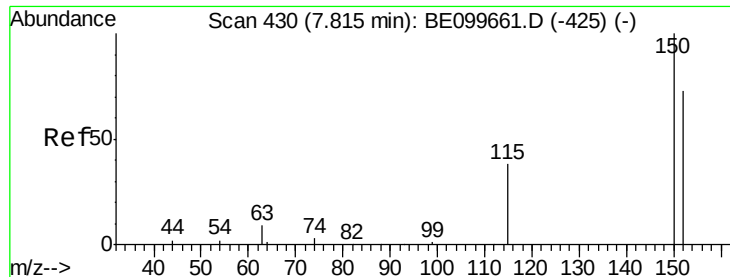
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

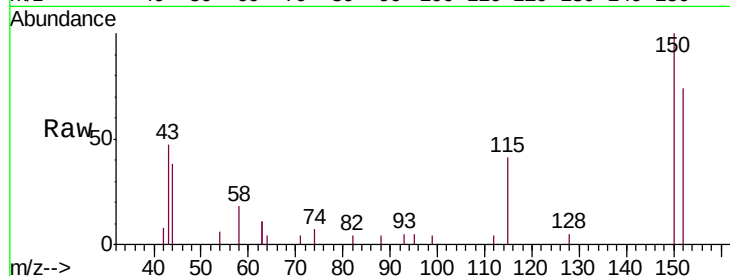
Tgt Ion:152 Resp: 1793

Ion Ratio Lower Upper

152 100

150 135.6 109.2 163.8

115 56.1 43.7 65.5

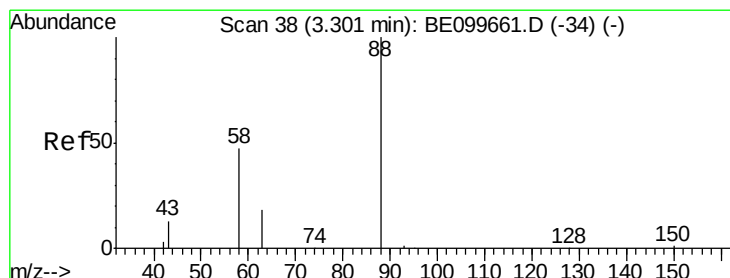
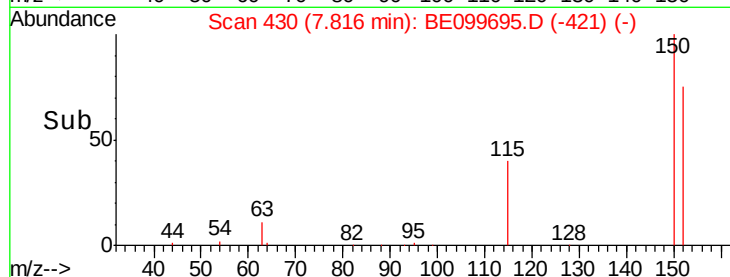
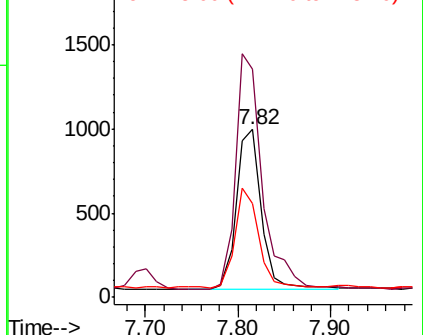


Abundance

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: 0.286 ng

RT: 3.30 min Scan# 38

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

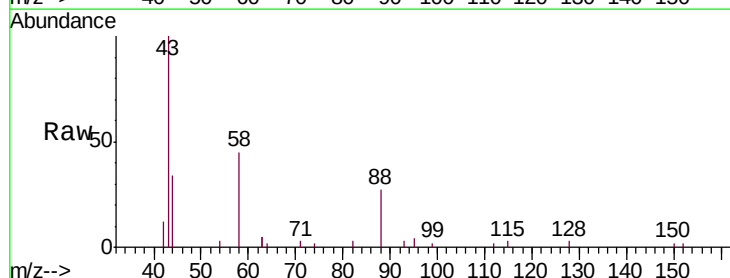
Tgt Ion: 88 Resp: 759

Ion Ratio Lower Upper

88 100

58 79.3 41.8 62.8#

43 101.2 15.0 22.4#

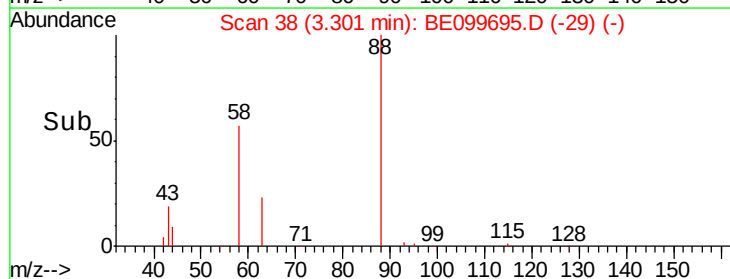
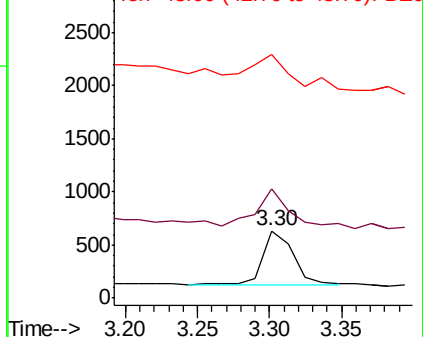


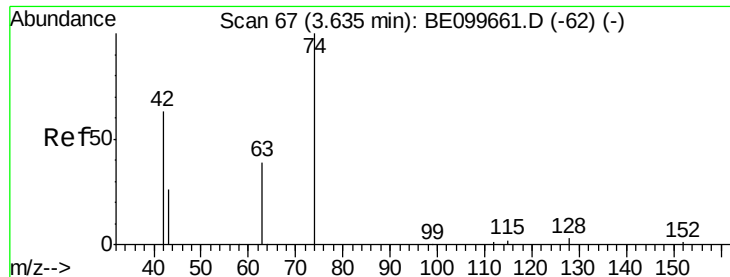
Abundance

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: 0.336 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.00 min

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Instrument :

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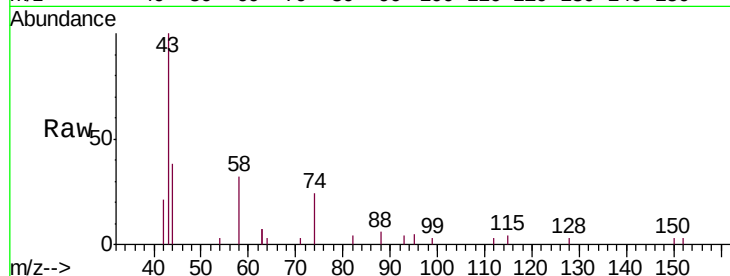
Tgt Ion: 42 Resp: 493

Ion Ratio Lower Upper

42 100

74 178.9 129.2 193.8

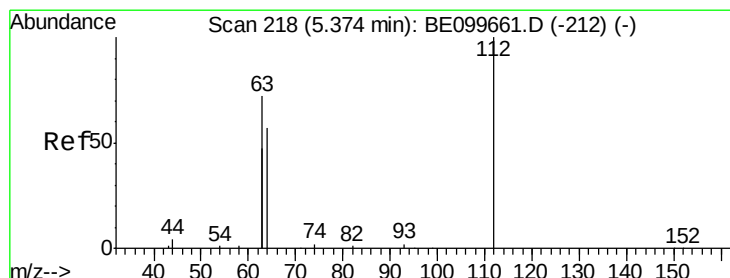
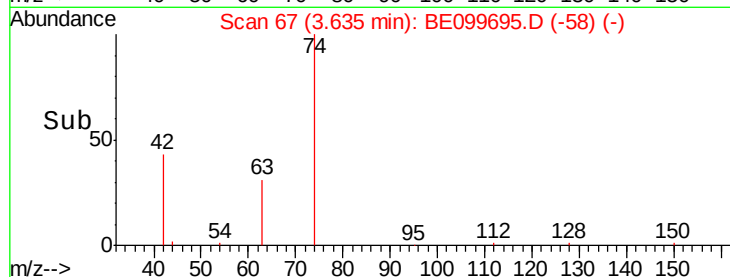
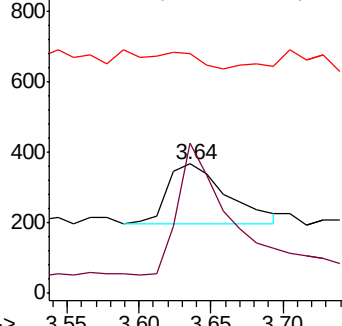
44 0.0 0.0 0.0



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: 0.380 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.01 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

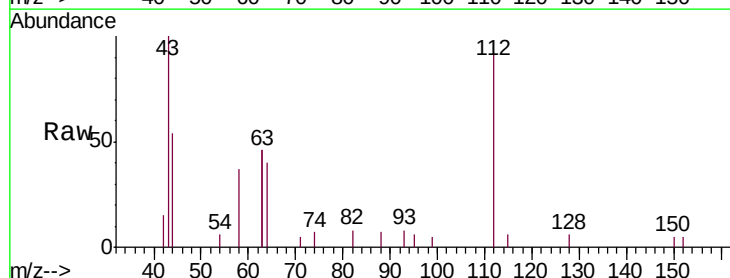
Tgt Ion: 112 Resp: 1720

Ion Ratio Lower Upper

112 100

64 54.7 43.4 65.2

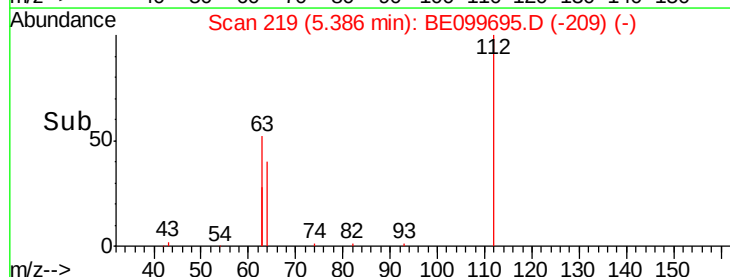
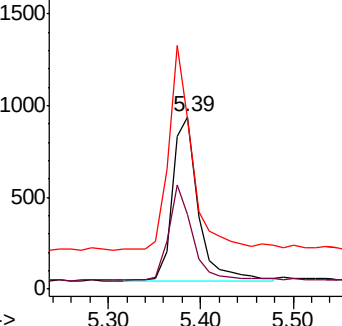
63 112.6 96.9 145.3

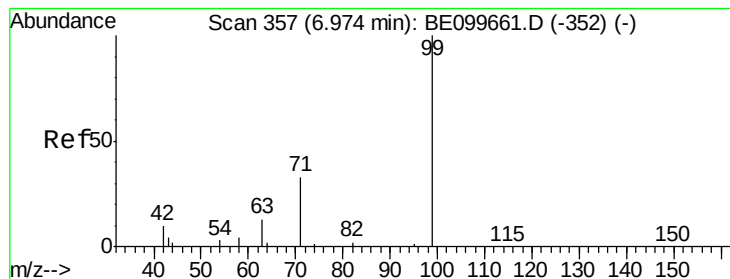


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.386 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

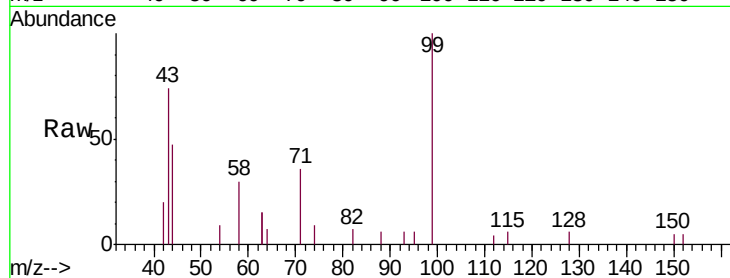
Tgt Ion: 99 Resp: 2314

Ion Ratio Lower Upper

99 100

42 13.0 12.2 18.2

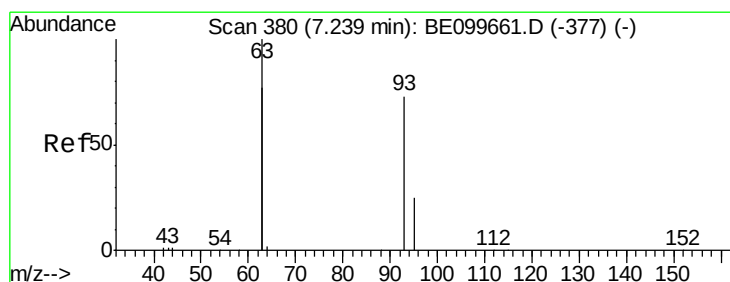
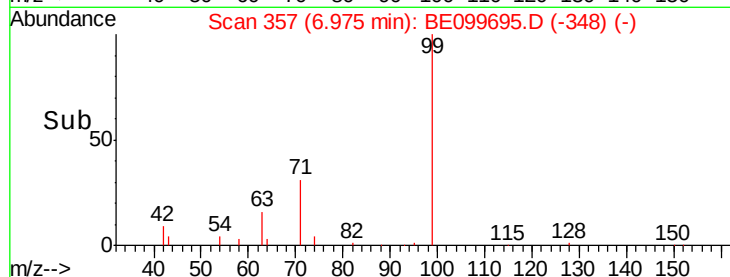
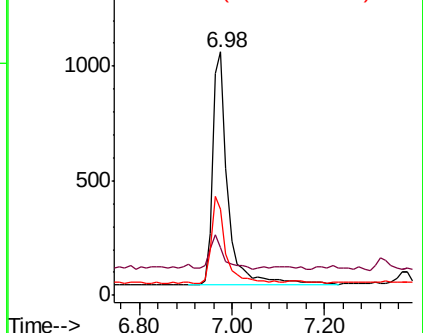
71 37.1 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.354 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

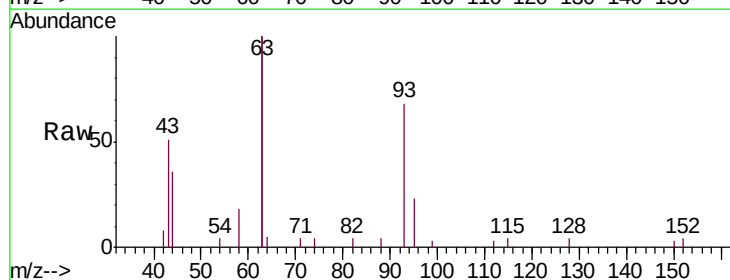
Tgt Ion: 93 Resp: 1891

Ion Ratio Lower Upper

93 100

63 256.0 207.8 311.6

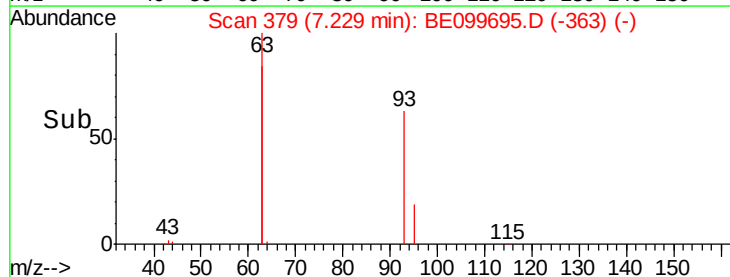
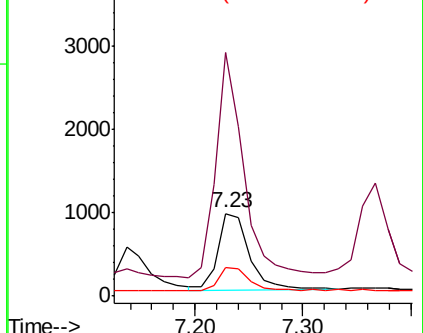
95 31.1 25.9 38.9

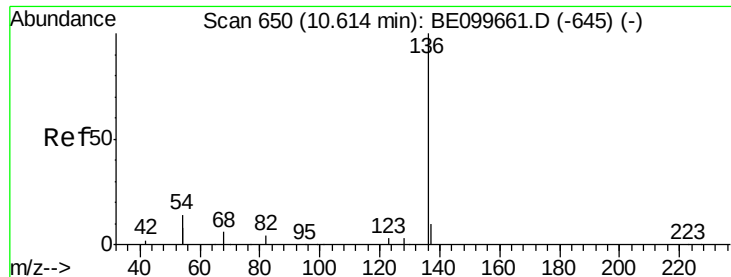


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

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ClientSampleId :

PB119824BSD

Tgt Ion:136 Resp: 5913

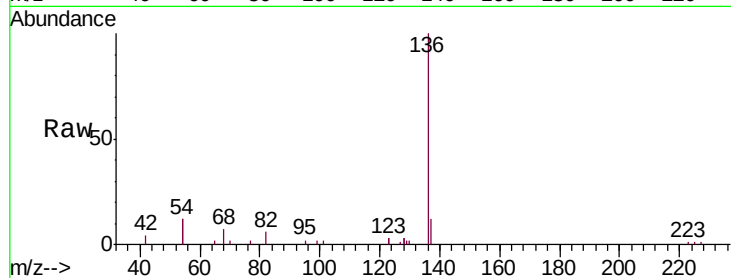
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.6

54 24.0 22.3 33.5

68 6.7 6.0 9.0

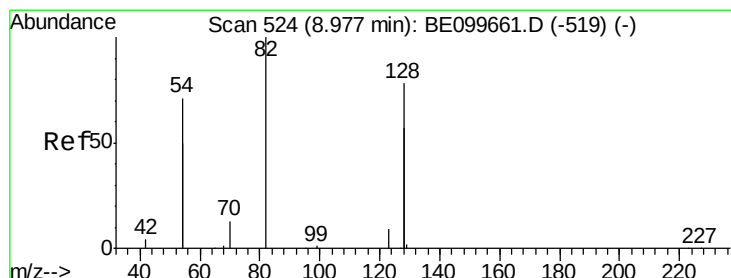
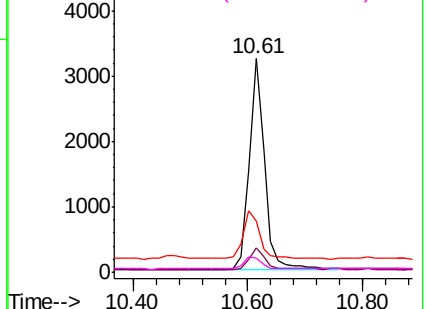
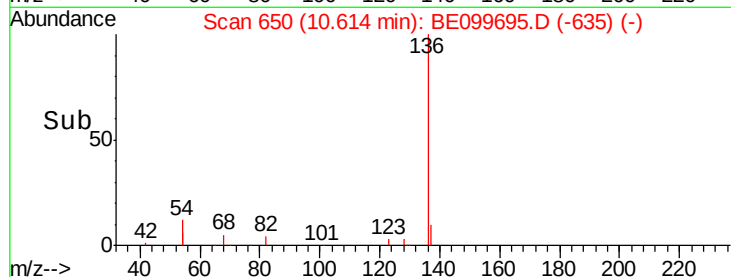


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.390 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

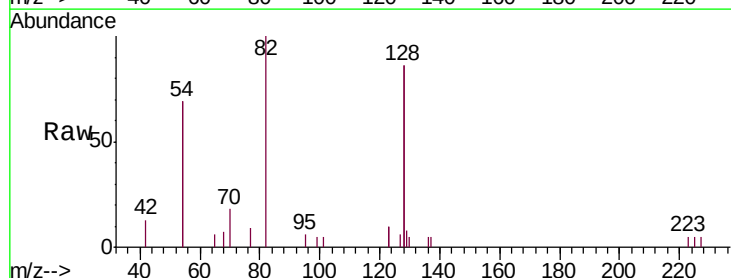
Tgt Ion: 82 Resp: 1998

Ion Ratio Lower Upper

82 100

128 171.5 117.7 176.5

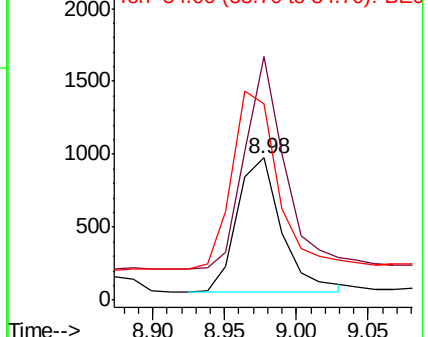
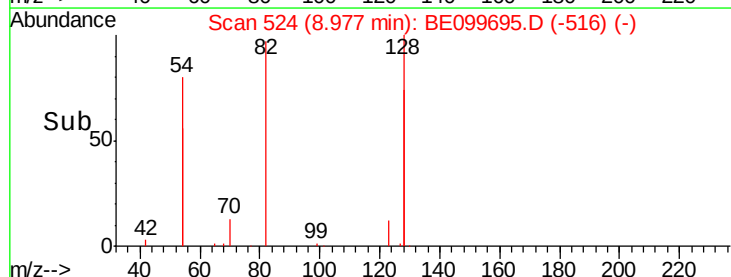
54 138.0 106.6 160.0

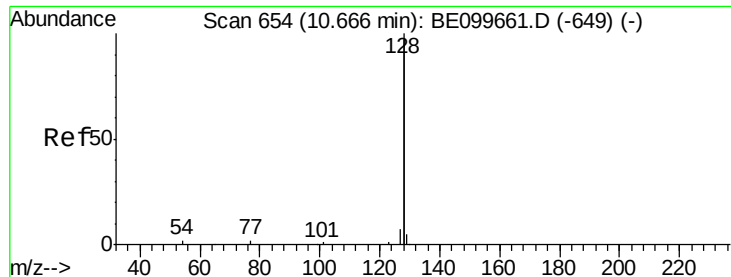


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.374 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

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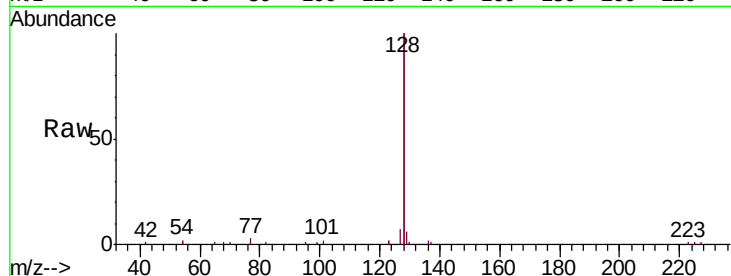
Tgt Ion:128 Resp: 23641

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

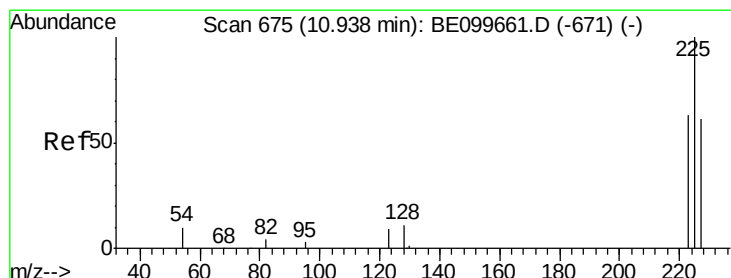
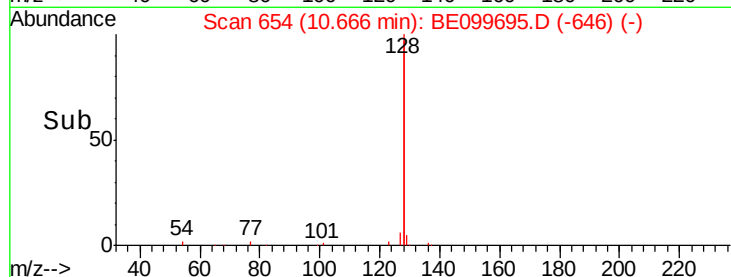
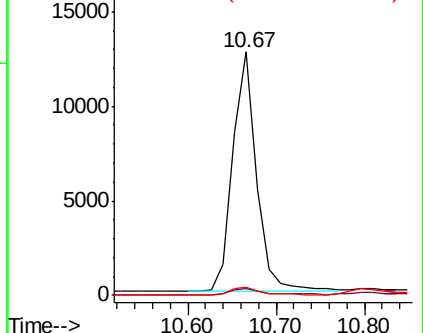
127 3.6 2.9 4.3



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: 0.365 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

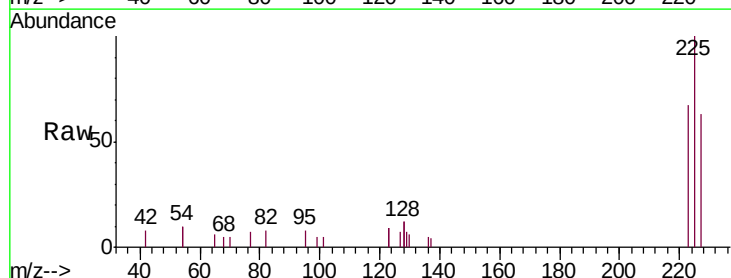
Tgt Ion:225 Resp: 1698

Ion Ratio Lower Upper

225 100

223 65.9 51.8 77.6

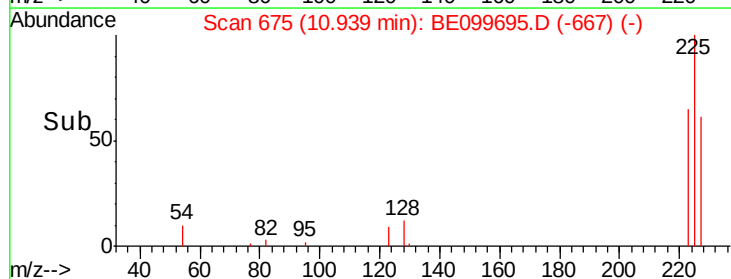
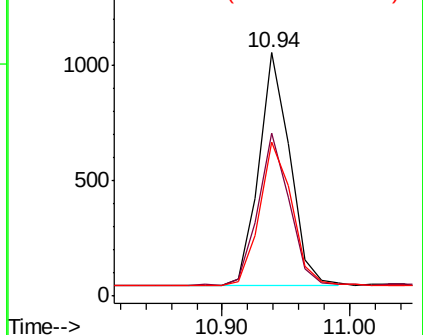
227 64.5 52.6 79.0

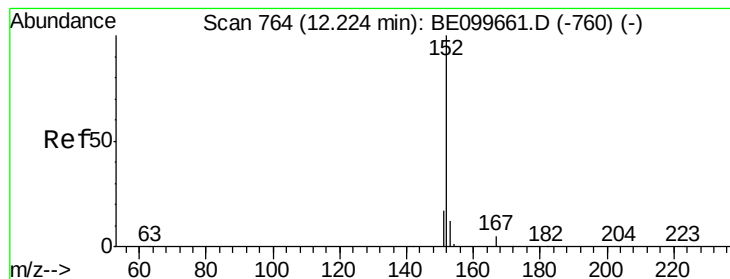


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.473 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

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ClientSampleId :

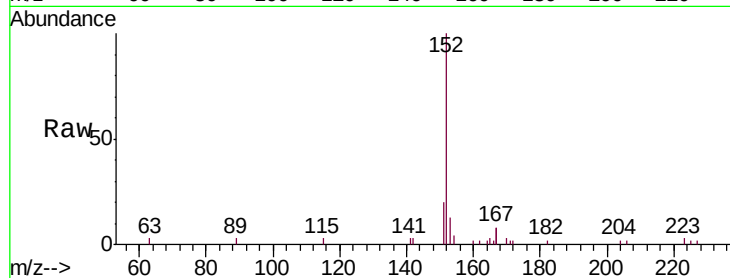
PB119824BSD

Tgt Ion:152 Resp: 4830

Ion Ratio Lower Upper

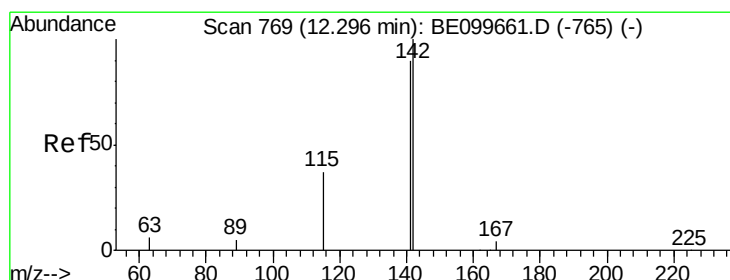
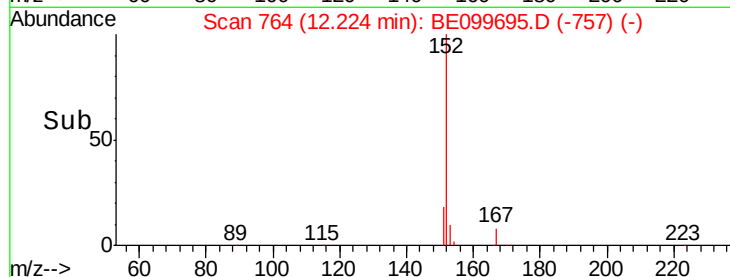
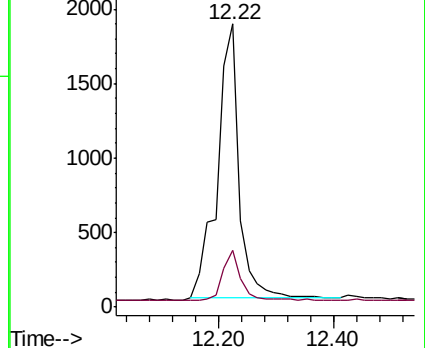
152 100

151 15.0 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.369 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

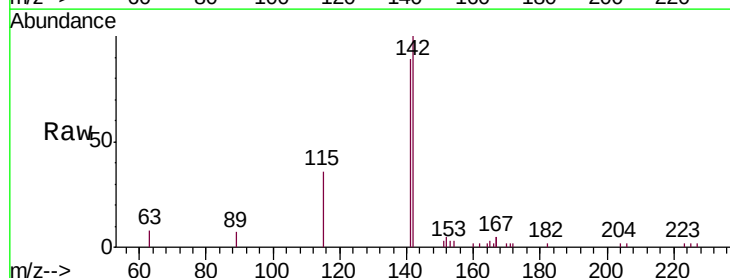
Tgt Ion:142 Resp: 3803

Ion Ratio Lower Upper

142 100

141 89.2 72.0 108.0

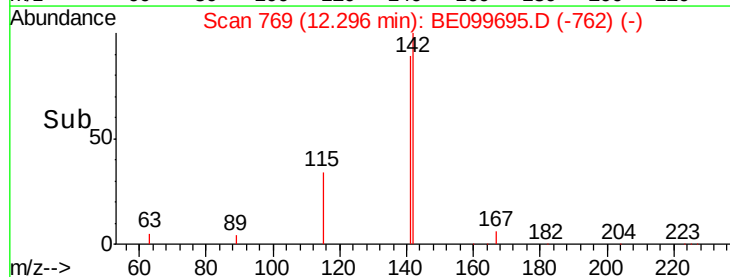
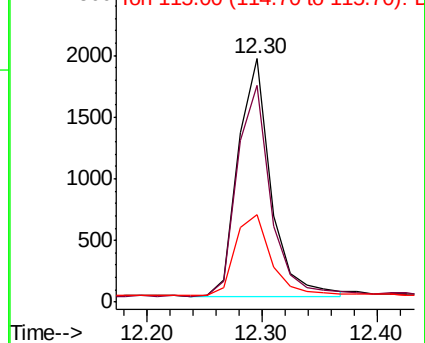
115 36.0 31.0 46.4

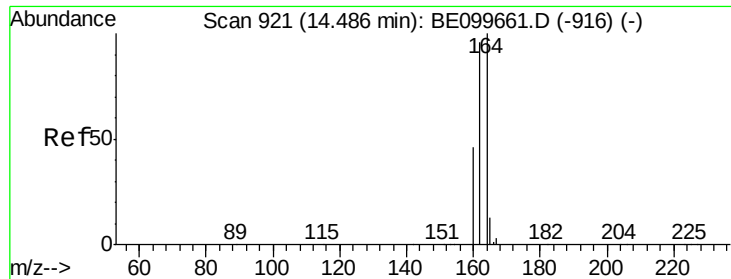


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

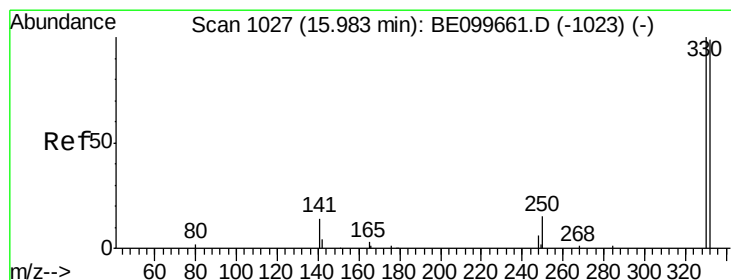
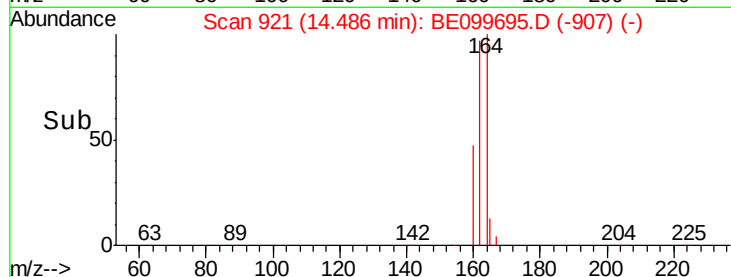
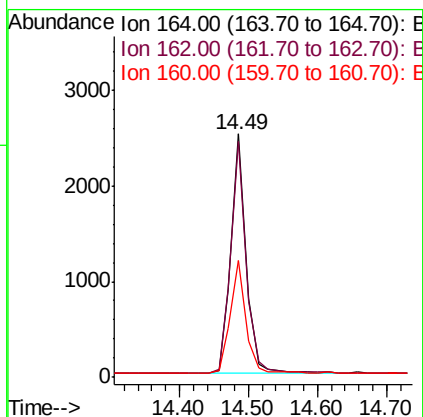
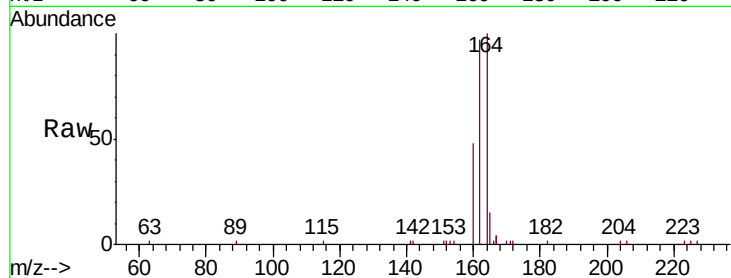




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099695.D
 Acq: 21 May 2019 18:43

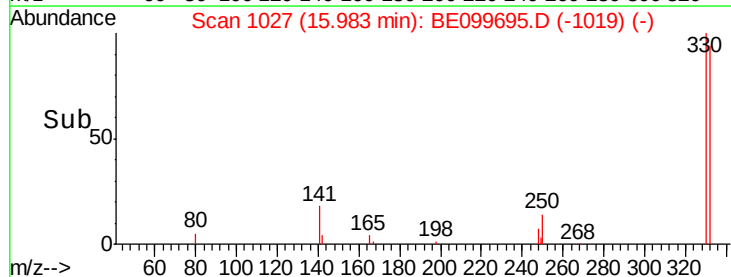
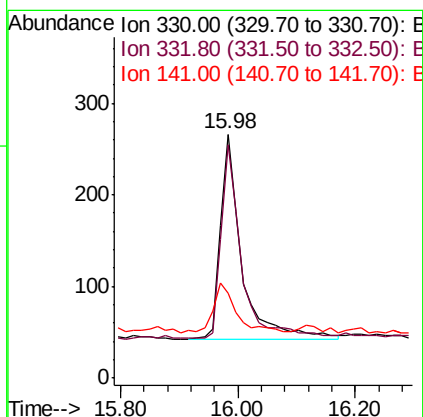
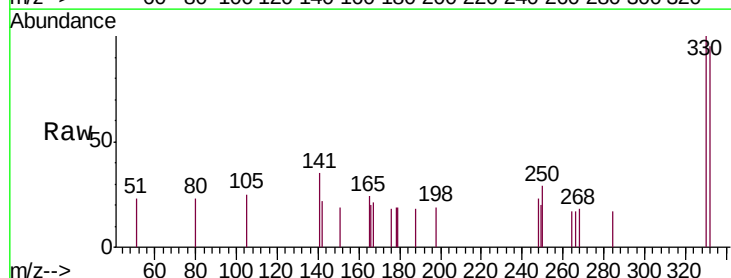
Instrument :
 BNA_E
 ClientSampleId :
 PB119824BSD

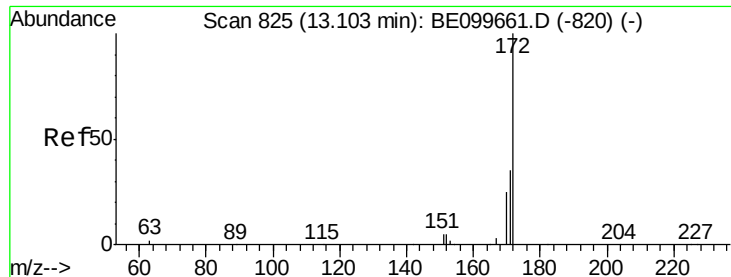
Tgt Ion:164 Resp: 3762
 Ion Ratio Lower Upper
 164 100
 162 96.7 76.5 114.7
 160 47.9 37.4 56.2



#14
 2,4,6-Tribromophenol
 Concen: 0.338 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099695.D
 Acq: 21 May 2019 18:43

Tgt Ion:330 Resp: 582
 Ion Ratio Lower Upper
 330 100
 332 88.0 77.3 115.9
 141 24.6 18.9 28.3

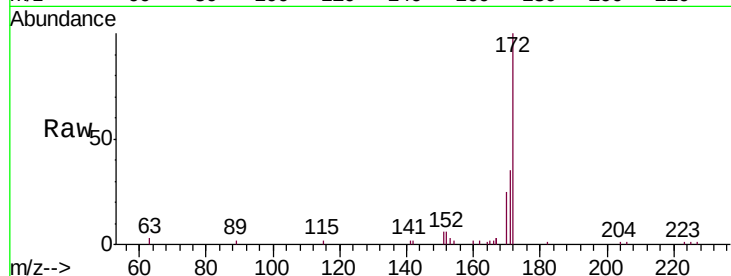




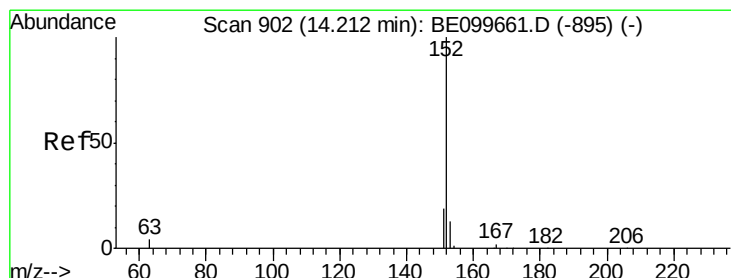
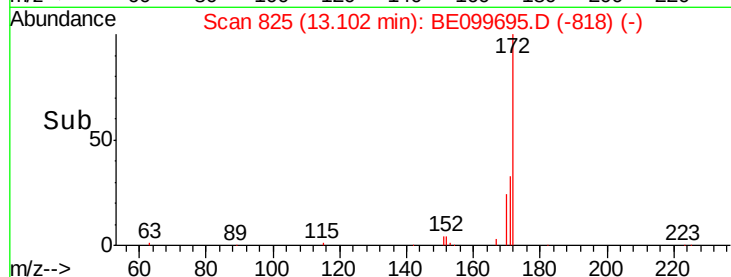
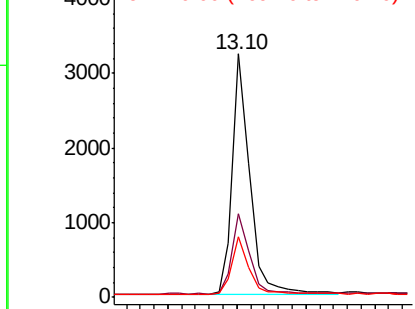
#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099695.D
Acq: 21 May 2019 18:43

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:172 Resp: 5611
Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 24.7 20.9 31.3

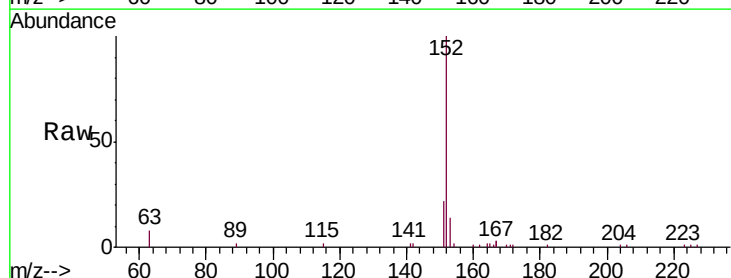


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

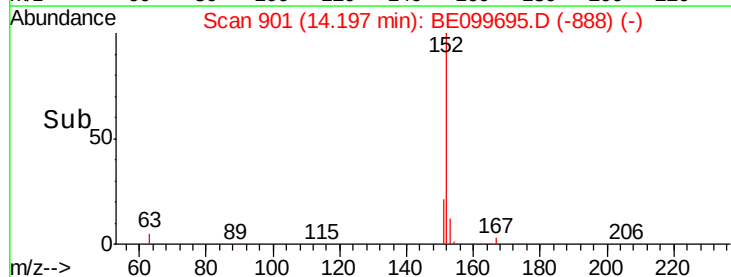
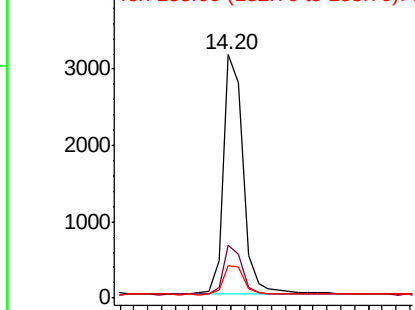


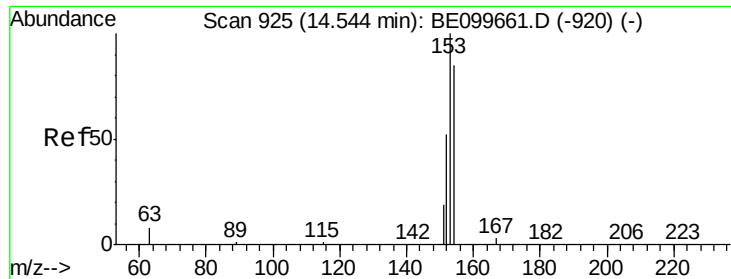
#16
Acenaphthylene
Concen: 0.359 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099695.D
Acq: 21 May 2019 18:43

Tgt Ion:152 Resp: 6294
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 12.9 10.6 16.0



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: 0.373 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

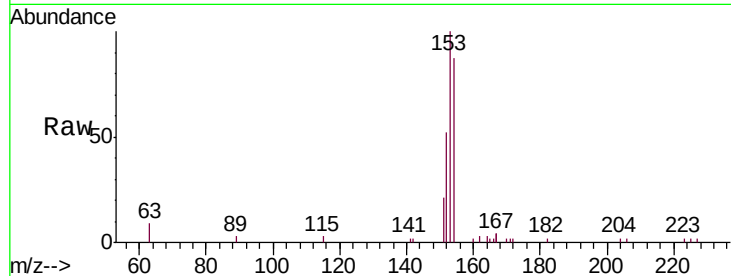
Tgt Ion:154 Resp: 3668

Ion Ratio Lower Upper

154 100

153 113.5 91.8 137.6

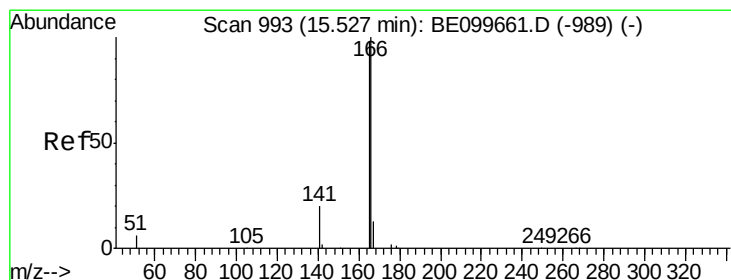
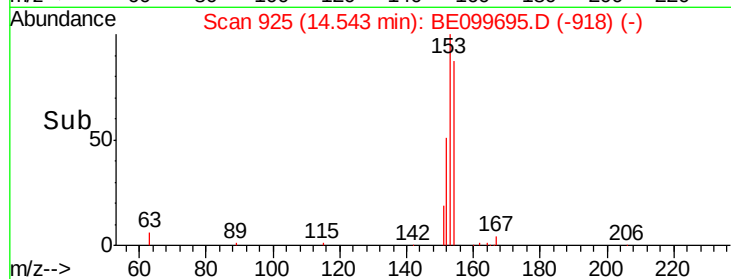
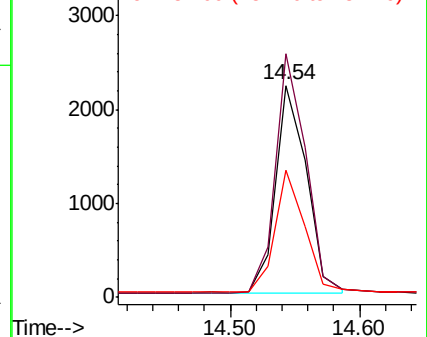
152 56.9 46.0 69.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.343 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

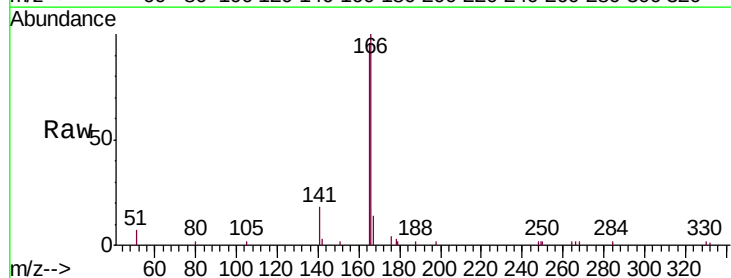
Tgt Ion:166 Resp: 4979

Ion Ratio Lower Upper

166 100

165 101.2 80.3 120.5

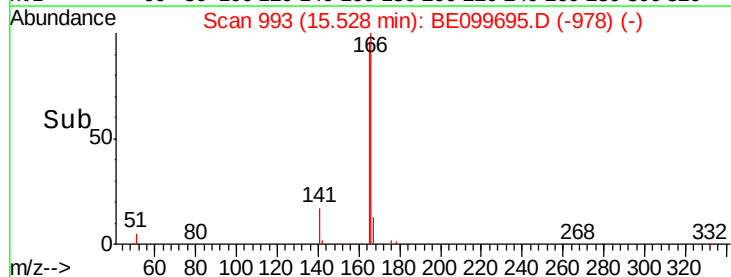
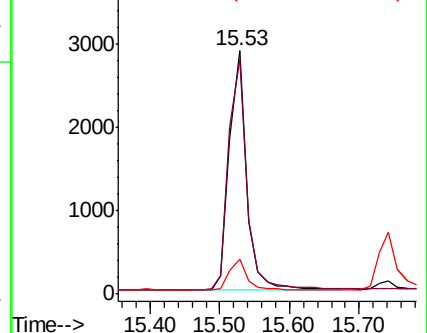
167 13.1 10.6 16.0

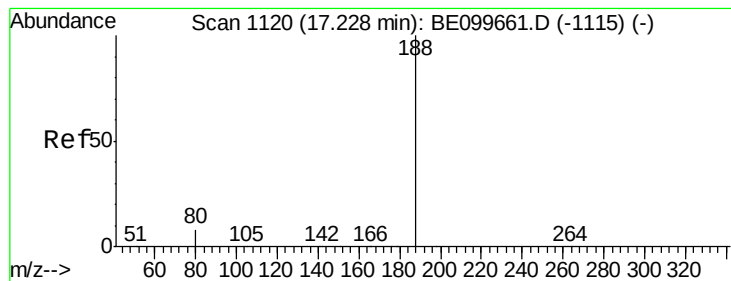


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

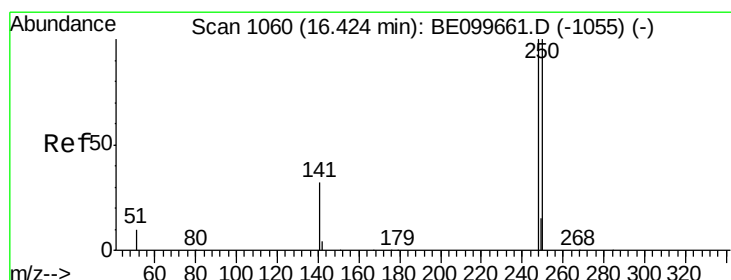
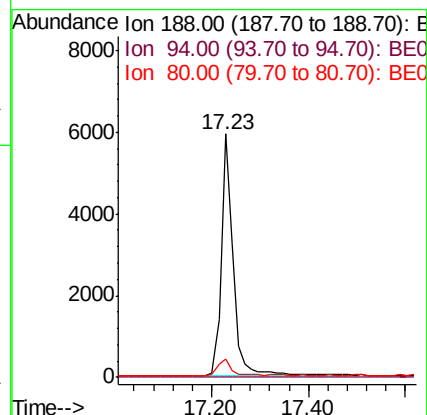
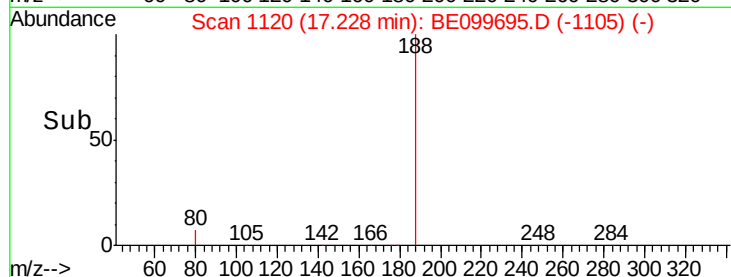
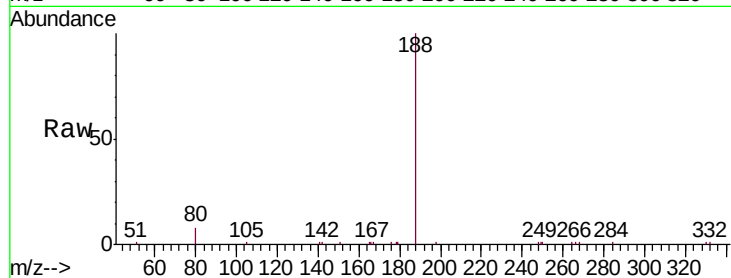
Tgt Ion:188 Resp: 9870

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.6 6.7 10.1



#20

4-Bromophenyl-phenylether

Concen: 0.373 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

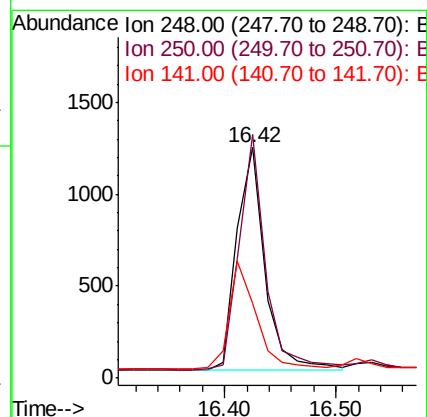
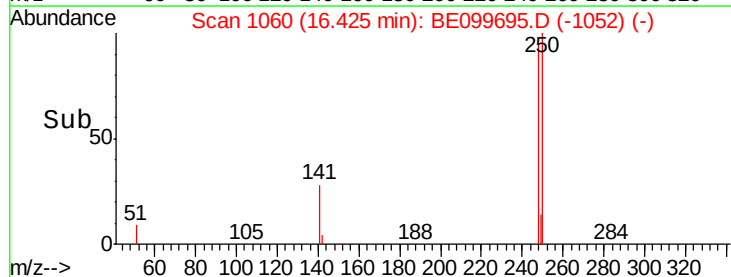
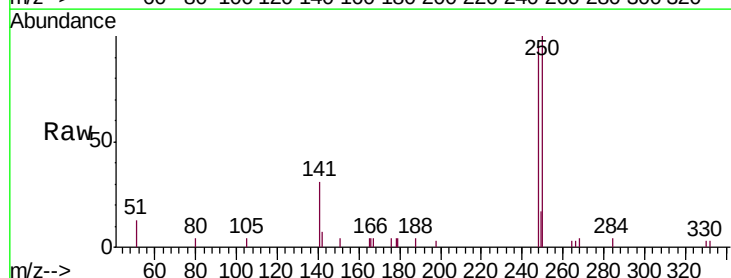
Tgt Ion:248 Resp: 2123

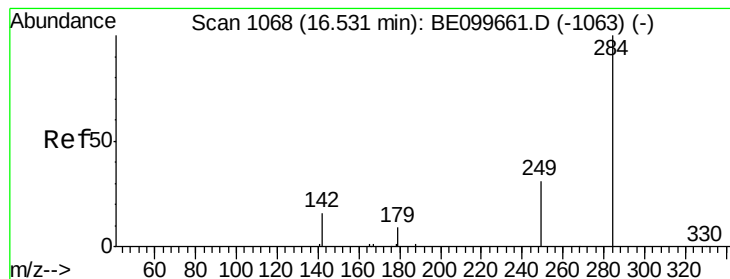
Ion Ratio Lower Upper

248 100

250 105.6 79.8 119.8

141 32.6 27.0 40.6





#21

Hexachlorobenzene

Concen: 0.391 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

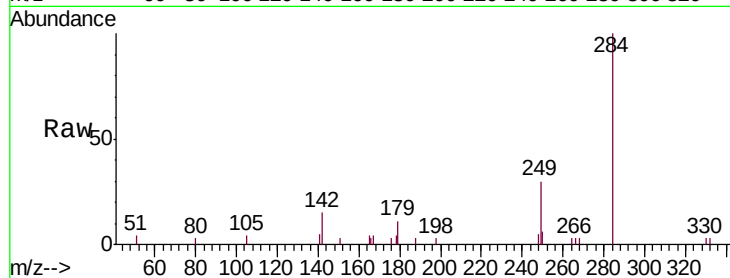
Tgt Ion:284 Resp: 2278

Ion Ratio Lower Upper

284 100

142 21.8 17.8 26.6

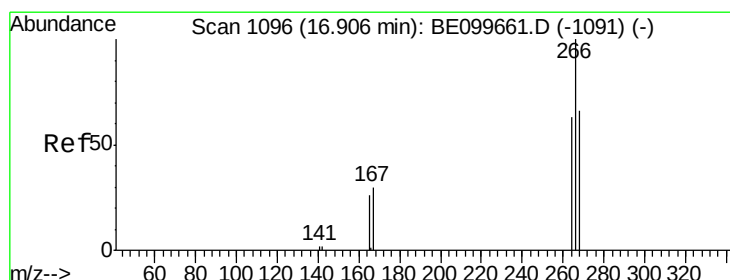
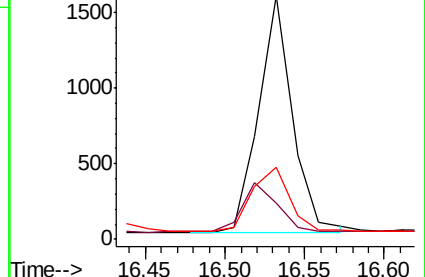
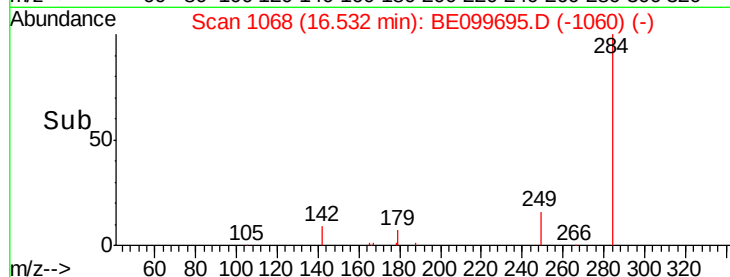
249 30.4 24.8 37.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.449 ng

RT: 16.93 min Scan# 1098

Delta R.T. 0.03 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

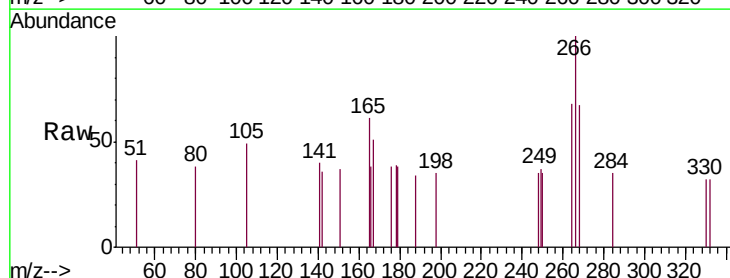
Tgt Ion:266 Resp: 484

Ion Ratio Lower Upper

266 100

264 67.6 57.2 85.8

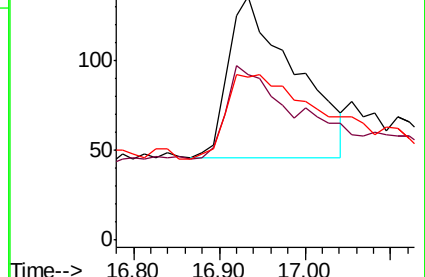
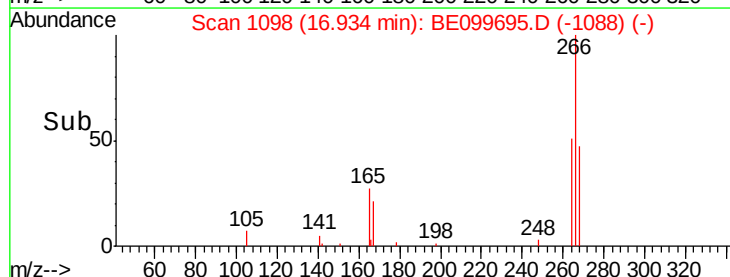
268 66.9 60.5 90.7

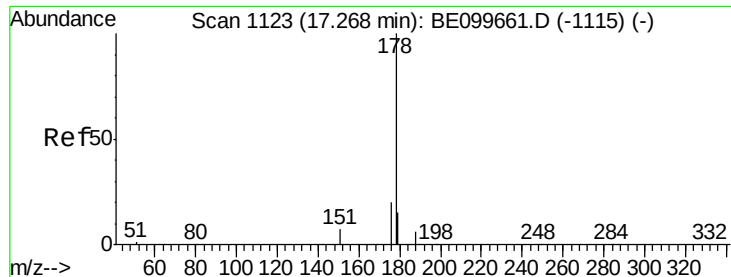


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.369 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

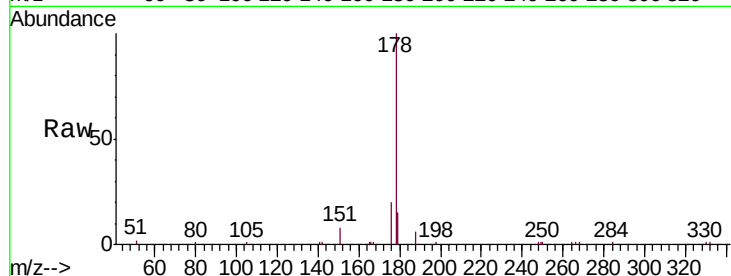
Tgt Ion:178 Resp: 8910

Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

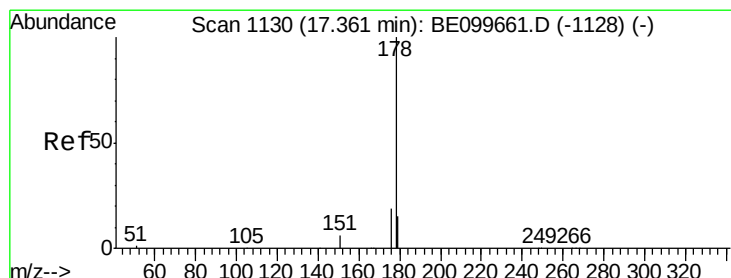
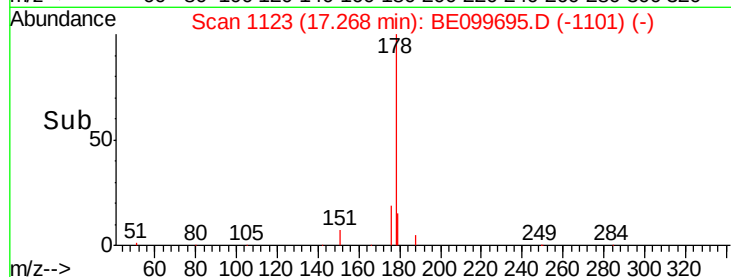
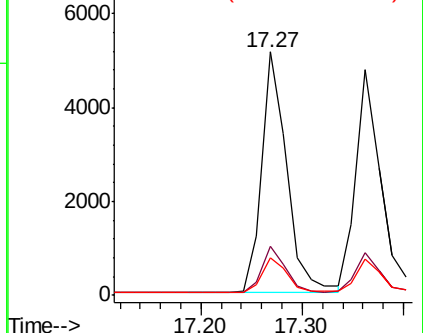
179 15.2 12.2 18.4



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: 0.355 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

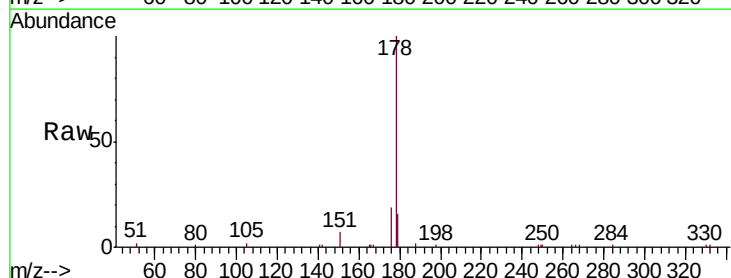
Tgt Ion:178 Resp: 7767

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

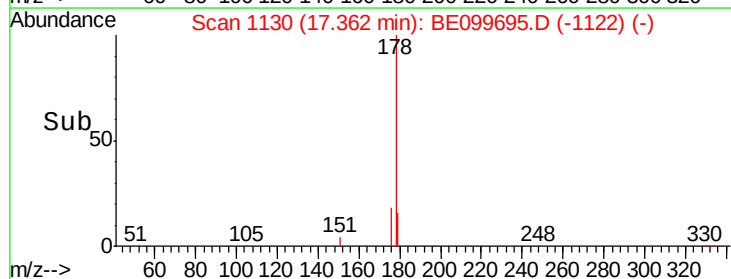
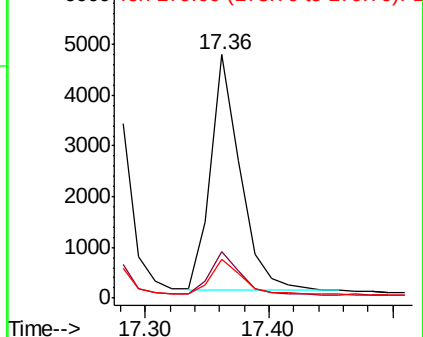
179 15.3 12.0 18.0

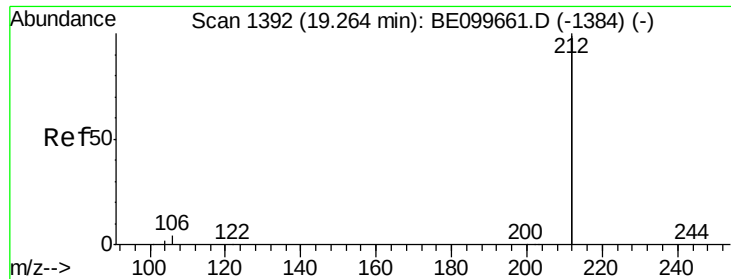


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.372 ng

RT: 19.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

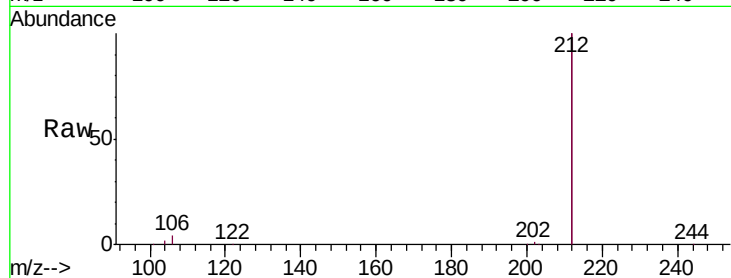
Tgt Ion:212 Resp: 50218

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

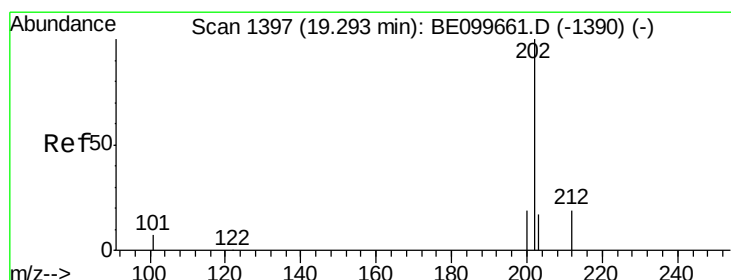
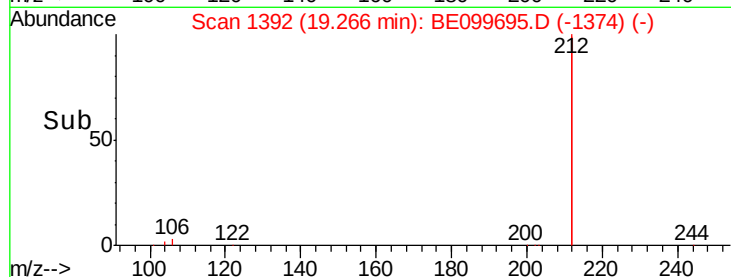
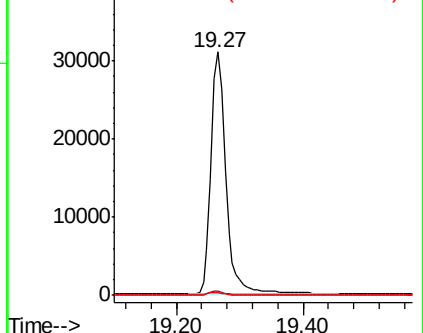
104 1.0 0.8 1.2



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: 0.362 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

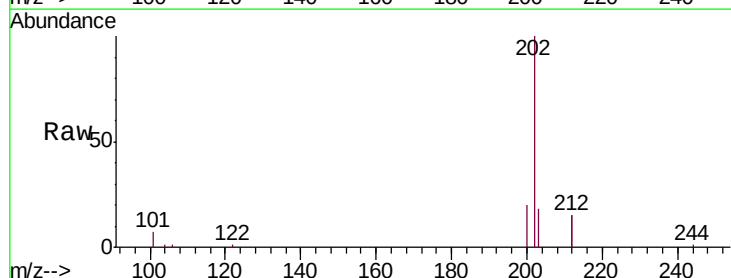
Tgt Ion:202 Resp: 13814

Ion Ratio Lower Upper

202 100

101 6.6 5.2 7.8

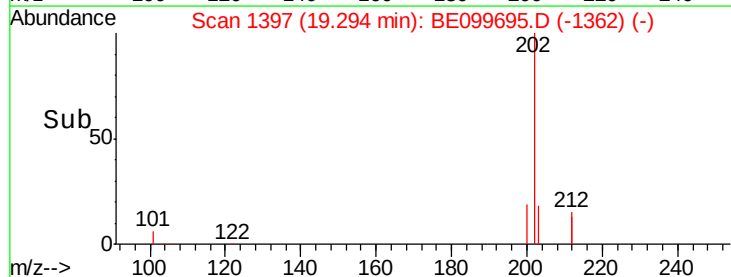
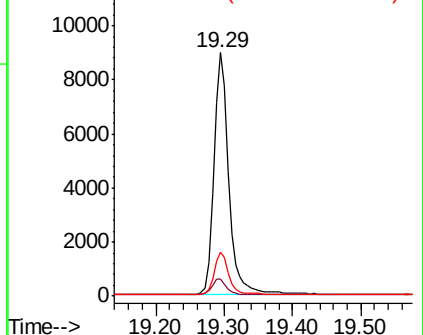
203 17.1 13.8 20.6

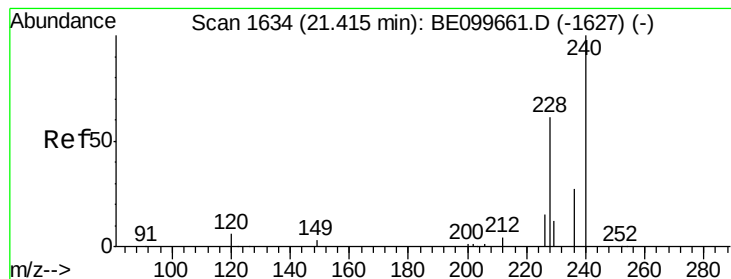


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.41 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

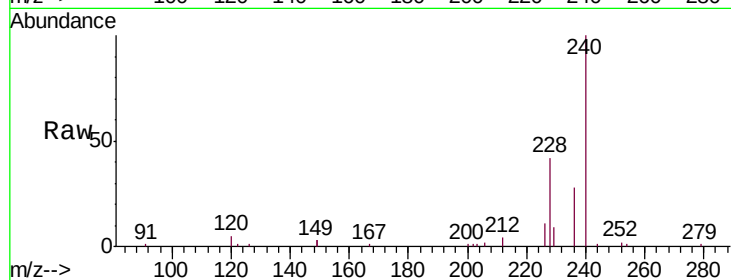
Tgt Ion:240 Resp: 15941

Ion Ratio Lower Upper

240 100

120 5.5 5.4 8.0

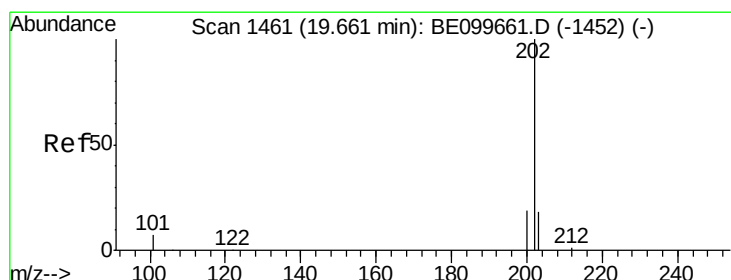
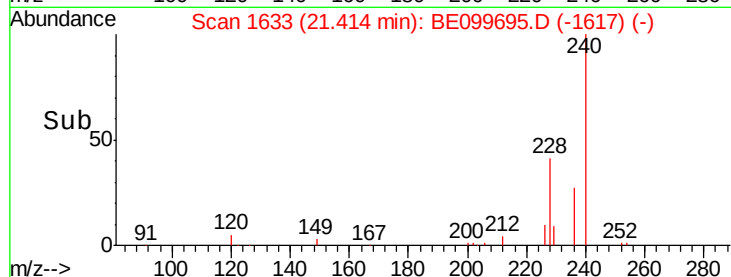
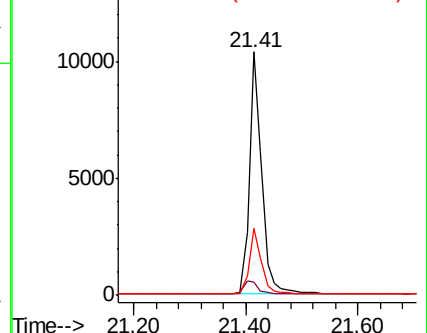
236 27.6 21.7 32.5



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: 0.360 ng

RT: 19.66 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

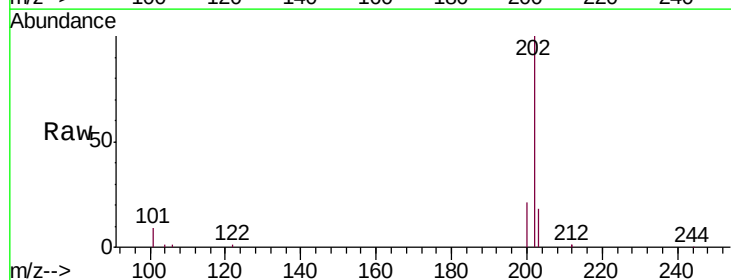
Tgt Ion:202 Resp: 14416

Ion Ratio Lower Upper

202 100

200 19.6 15.4 23.2

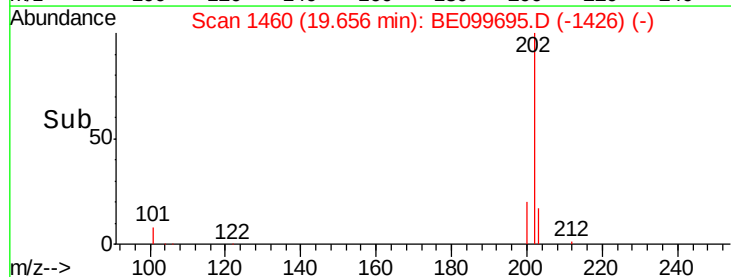
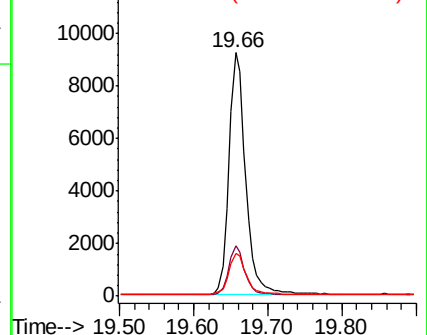
203 18.0 13.8 20.8

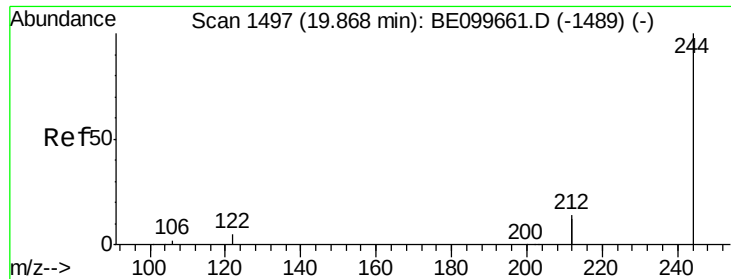


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.385 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

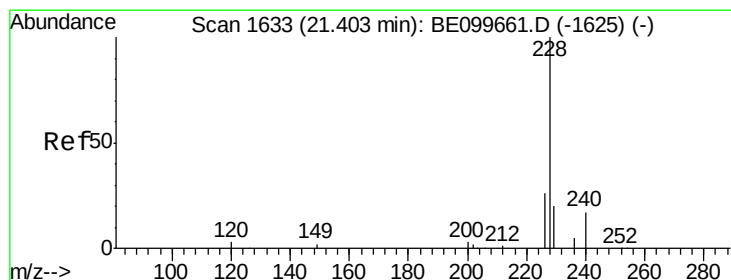
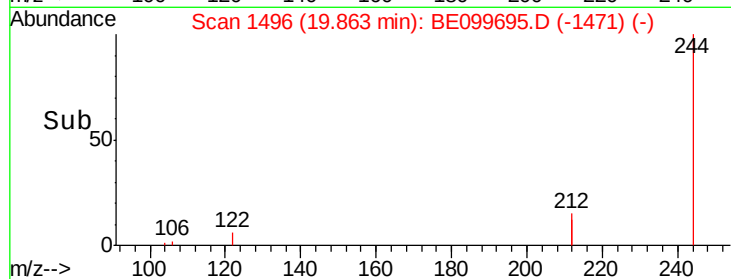
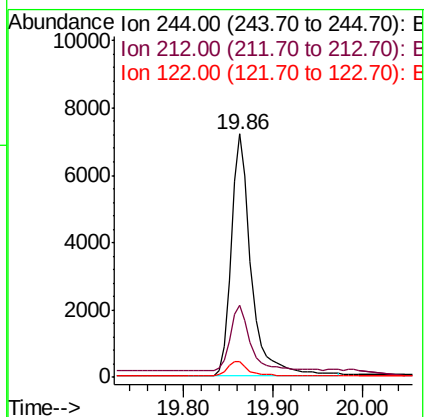
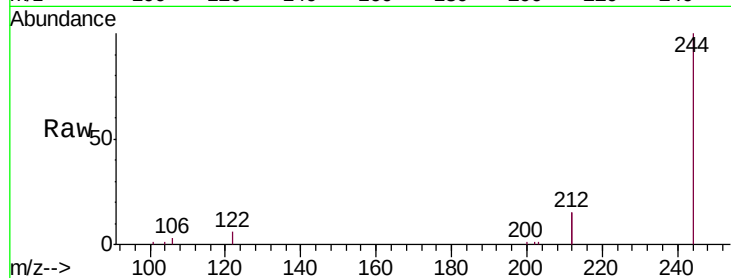
Tgt Ion:244 Resp: 10946

Ion Ratio Lower Upper

244 100

212 29.6 22.5 33.7

122 6.2 4.3 6.5



#30

Benzo(a)anthracene

Concen: 0.432 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

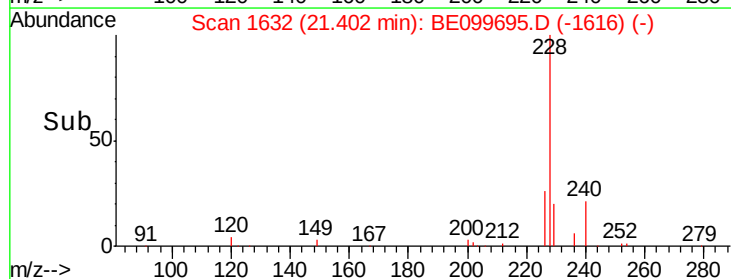
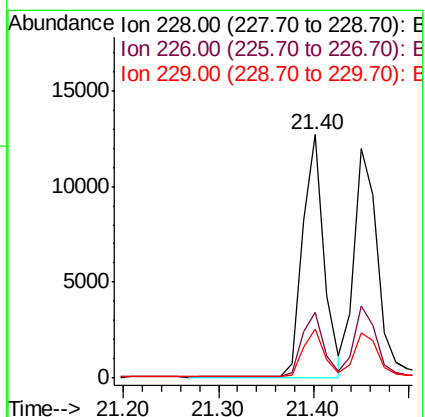
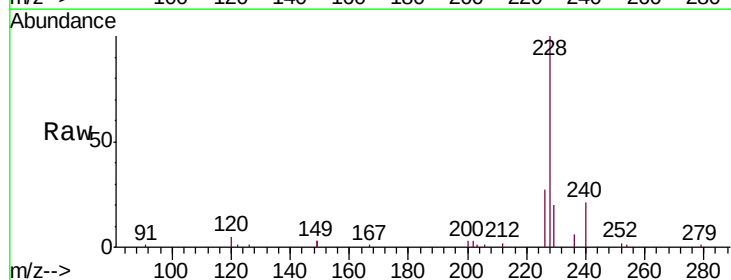
Tgt Ion:228 Resp: 19575

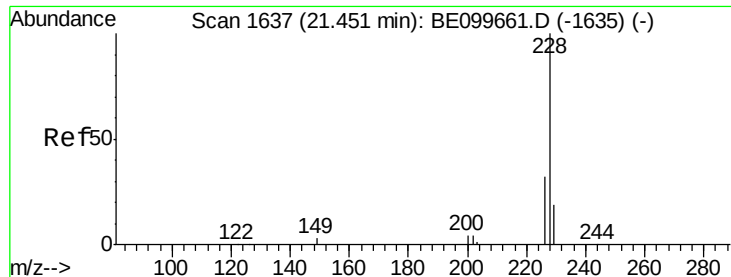
Ion Ratio Lower Upper

228 100

226 26.9 21.3 31.9

229 20.3 16.1 24.1





#31

Chrysene

Concen: 0.414 ng

RT: 21.45 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

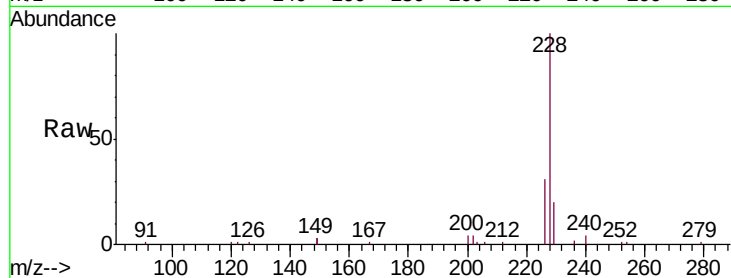
Tgt Ion:228 Resp: 20070

Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

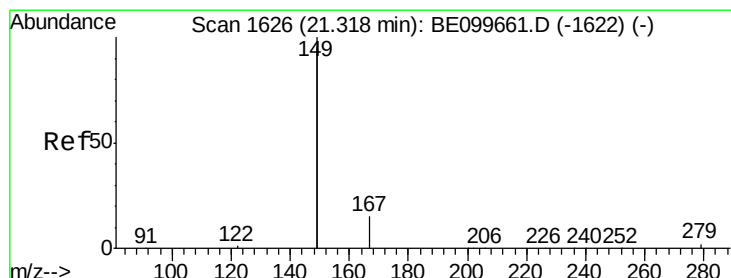
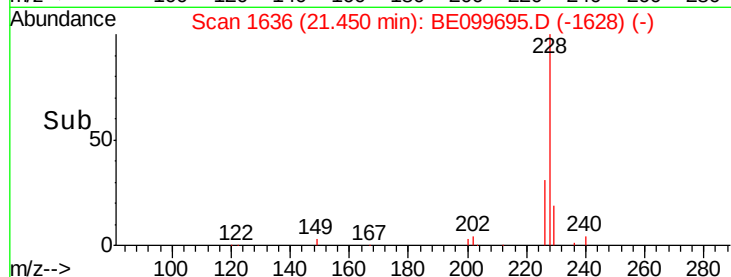
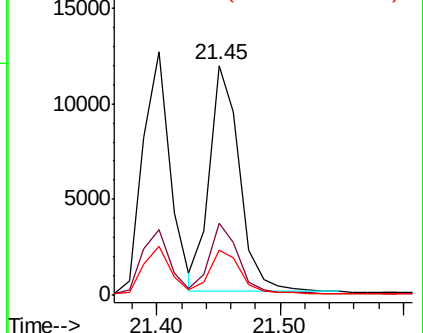
229 19.8 15.8 23.6



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.469 ng

RT: 21.32 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

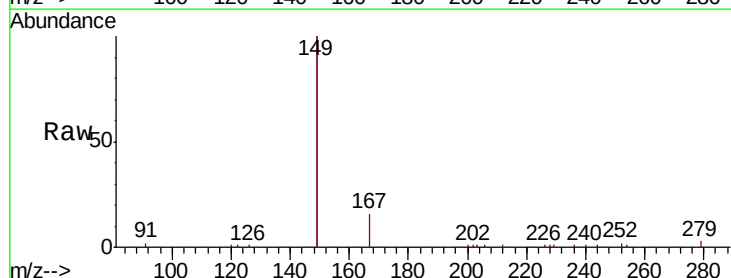
Tgt Ion:149 Resp: 24458

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

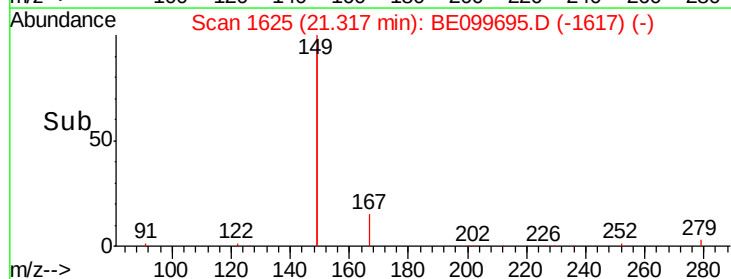
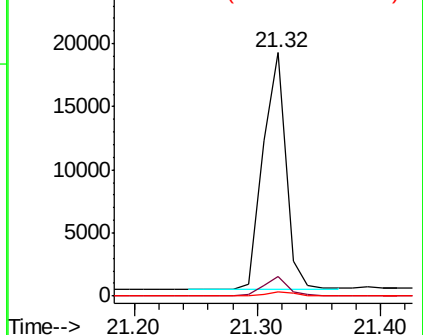
279 1.6 1.2 1.8

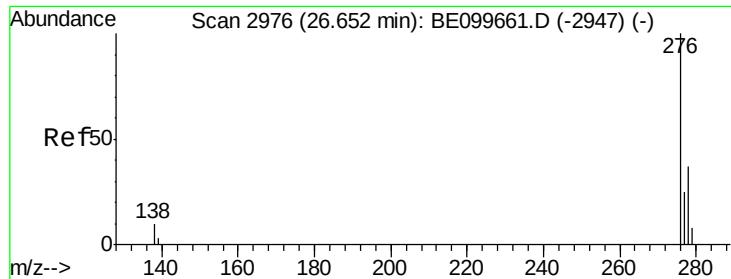


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.427 ng

RT: 26.64 min Scan# 2972

Delta R.T. -0.01 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

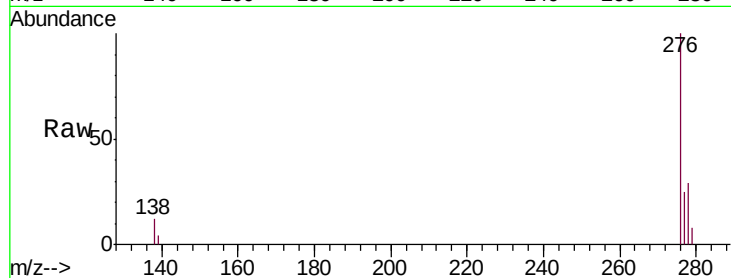
Tgt Ion:276 Resp: 24989

Ion Ratio Lower Upper

276 100

138 12.2 9.6 14.4

277 24.7 19.2 28.8

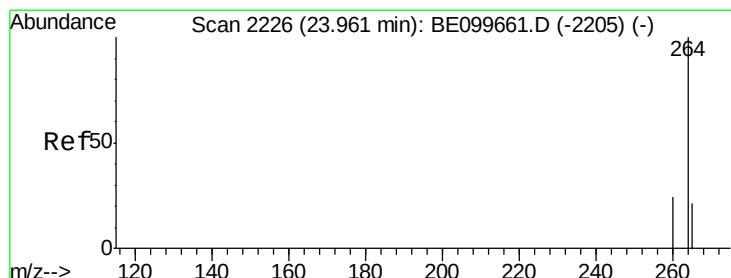
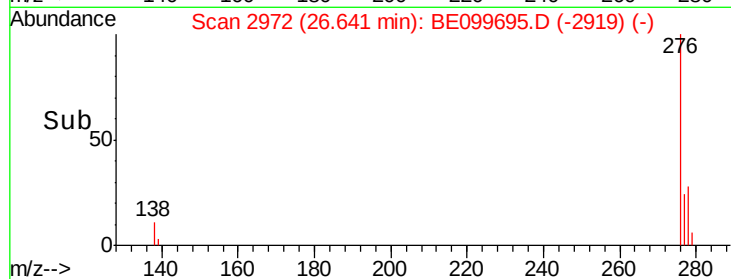
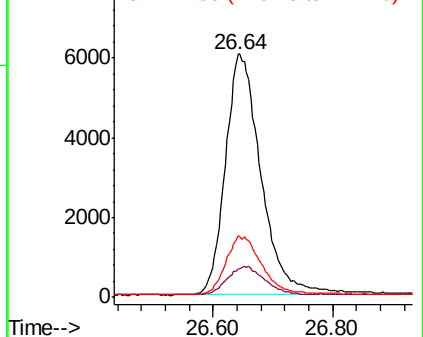


Abundance

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: 23.95 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

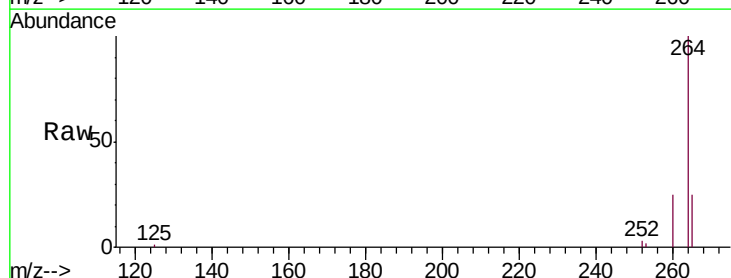
Tgt Ion:264 Resp: 19142

Ion Ratio Lower Upper

264 100

260 25.5 19.6 29.4

265 24.6 19.1 28.7

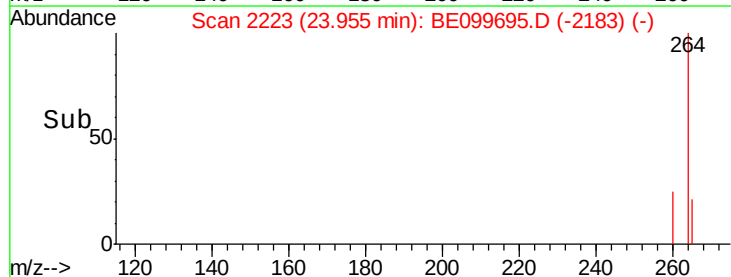
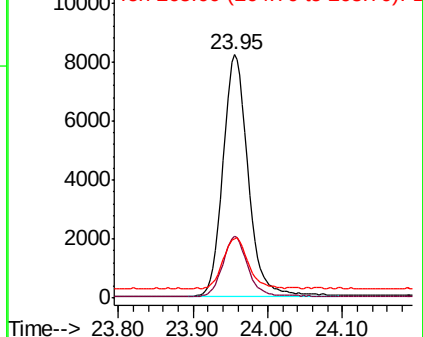


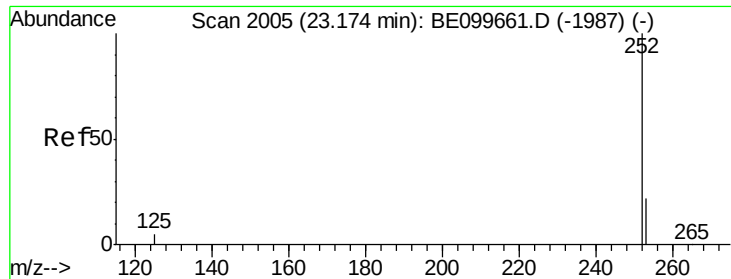
Abundance

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

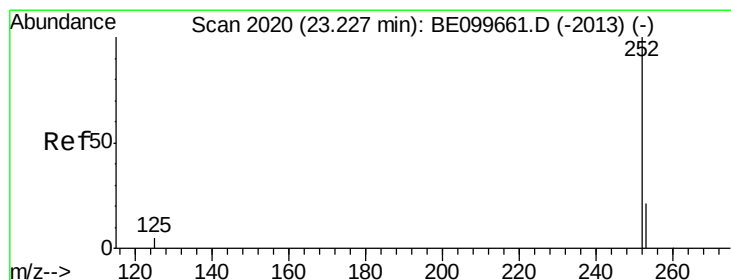
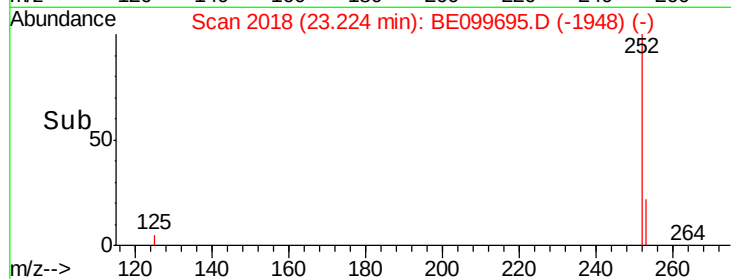
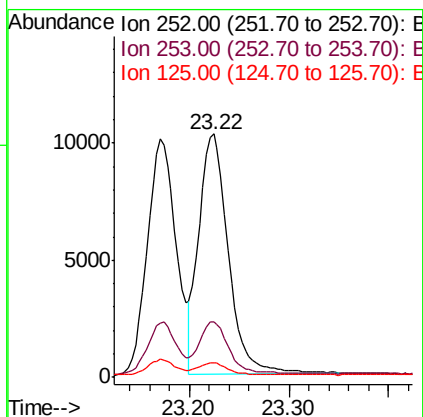
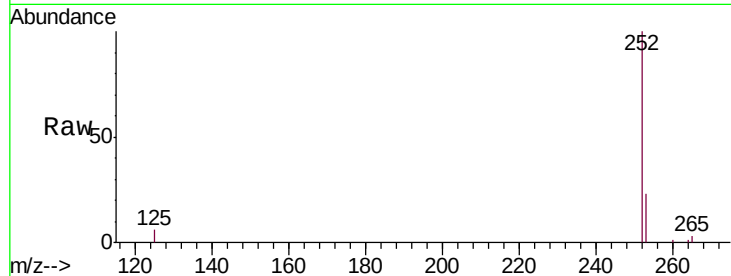




#35
Benzo(b)fluoranthene
Concen: 0.401 ng
RT: 23.22 min Scan# 2018
Delta R.T. 0.05 min
Lab File: BE099695.D
Acq: 21 May 2019 18:43

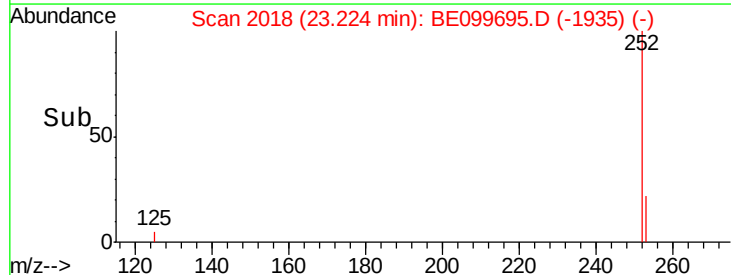
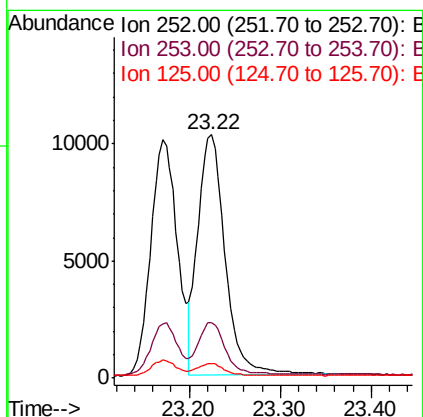
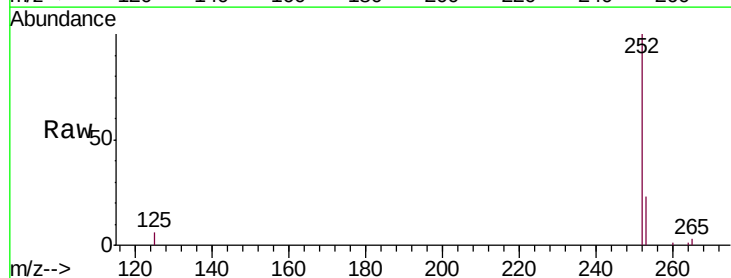
Instrument :
BNA_E
ClientSampleId :
PB119824BSD

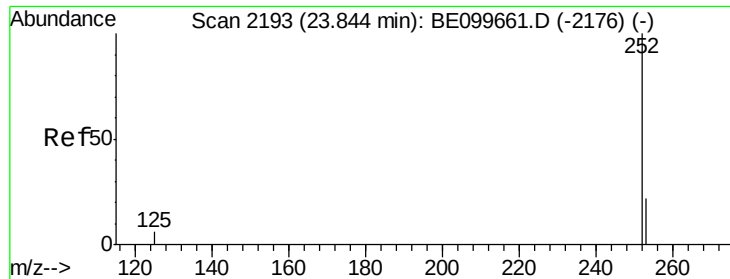
Tgt Ion:252 Resp: 21039
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.4
125 5.9 4.5 6.7



#36
Benzo(k)fluoranthene
Concen: 0.389 ng
RT: 23.22 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BE099695.D
Acq: 21 May 2019 18:43

Tgt Ion:252 Resp: 21269
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 5.9 4.6 6.8





#37

Benzo(a)pyrene

Concen: 0.399 ng

RT: 23.84 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

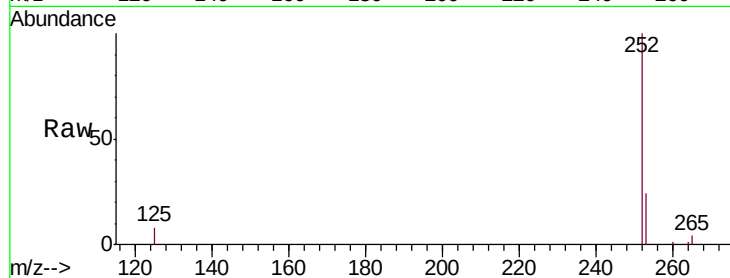
Tgt Ion:252 Resp: 20164

Ion Ratio Lower Upper

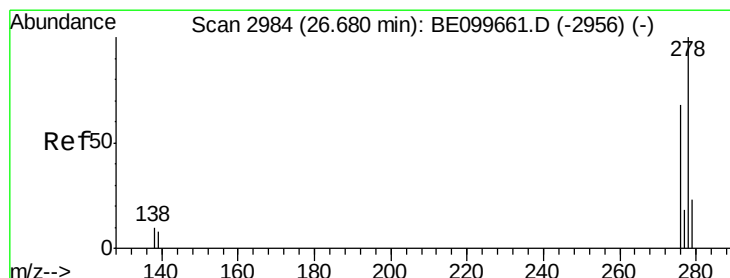
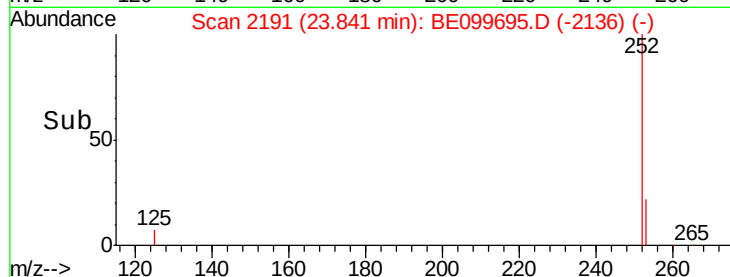
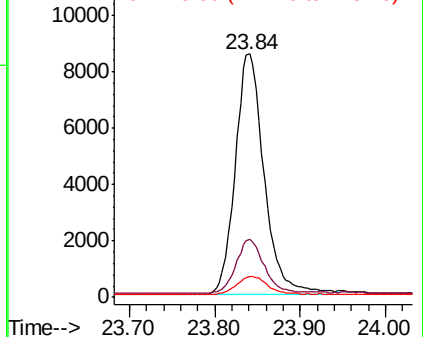
252 100

253 23.7 18.9 28.3

125 8.4 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.393 ng

RT: 26.67 min Scan# 2981

Delta R.T. -0.01 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

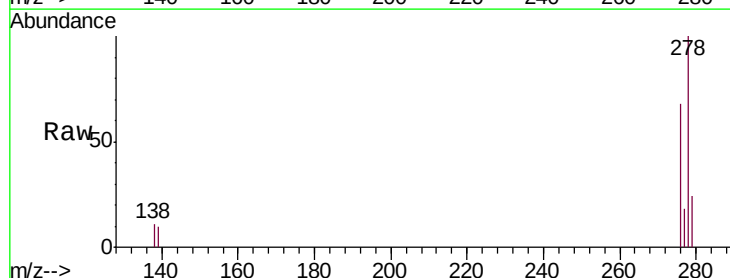
Tgt Ion:278 Resp: 20836

Ion Ratio Lower Upper

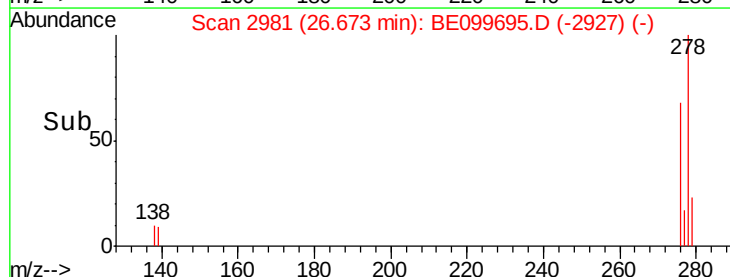
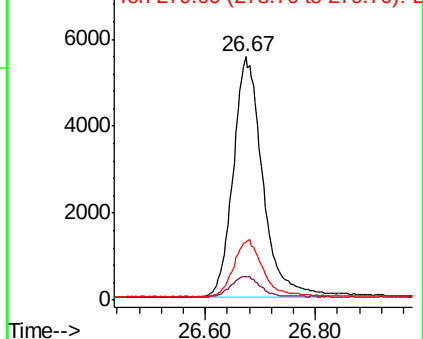
278 100

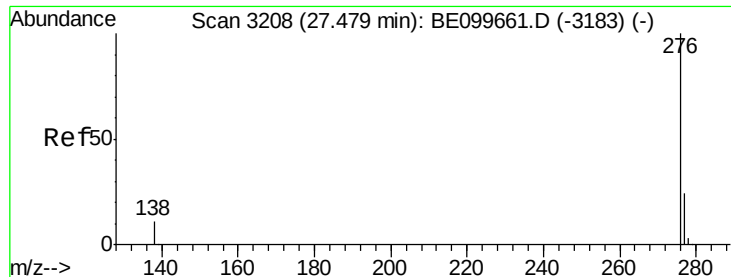
139 9.7 6.9 10.3

279 24.0 19.2 28.8



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(g,h,i)perylene

Concen: 0.393 ng

RT: 27.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BE099695.D

Acq: 21 May 2019 18:43

Instrument :

BNA_E

ClientSampleId :

PB119824BSD

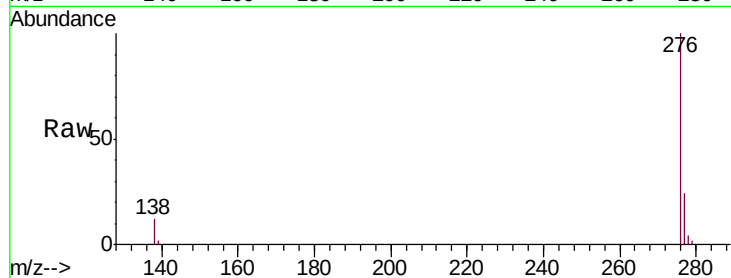
Tgt Ion: 276 Resp: 21056

Ion Ratio Lower Upper

276 100

277 23.9 19.8 29.6

138 12.0 9.2 13.8



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

