

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
 Data File : BE099736.D
 Acq On : 24 May 2019 11:23
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 24 21:32:51 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	7.80	152	1138	0.40	ng	-0.01
7) Naphthalene-d8	10.61	136	4239	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	3102	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	9979	0.40	ng	0.00
27) Chrysene-d12	21.41	240	17020	0.40	ng	0.00
34) Perylene-d12	23.94	264	18336	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	1302	0.45	ng	-0.01
5) Phenol-d6	6.96	99	1719	0.45	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1696	0.46	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	3041	0.42	ng	-0.02
14) 2,4,6-Tribromophenol	15.97	330	983	0.54	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4854	0.41	ng	0.00
25) Fluoranthene-d10	19.26	212	58015	0.43	ng	0.00
29) Terphenyl-d14	19.86	244	12176	0.40	ng	-0.01

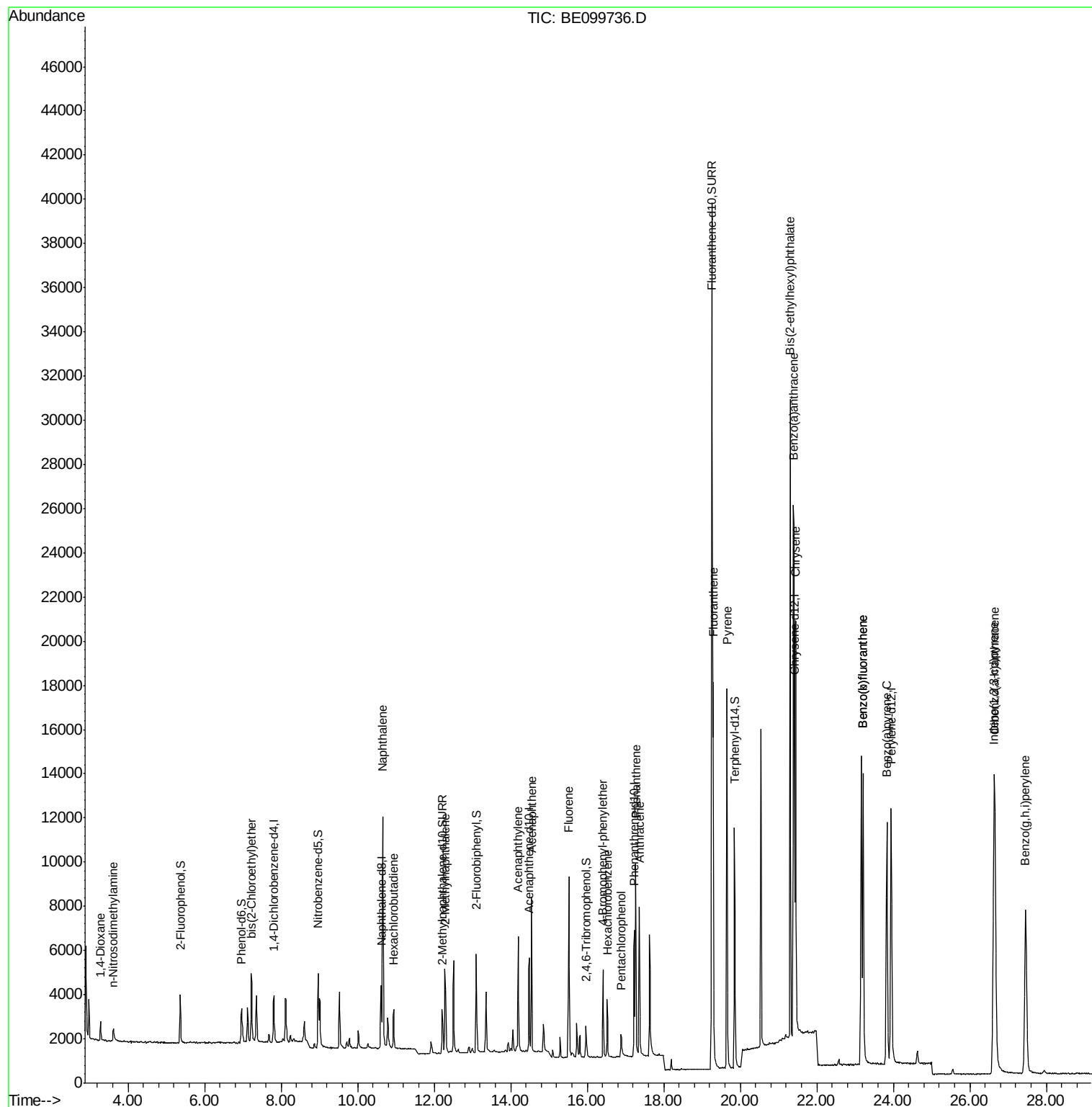
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	728	0.432	ng	# 96
3) n-Nitrosodimethylamine	3.60	42	433	0.466	ng	# 86
6) bis(2-Chloroethyl)ether	7.23	93	1466	0.433	ng	99
9) Naphthalene	10.65	128	18649	0.411	ng	100
10) Hexachlorobutadiene	10.94	225	1370	0.410	ng	97
12) 2-Methylnaphthalene	12.28	142	3147	0.426	ng	98
16) Acenaphthylene	14.20	152	6110	0.423	ng	100
17) Acenaphthene	14.54	154	3379	0.416	ng	98
18) Fluorene	15.51	166	5096	0.426	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	2303	0.400	ng	# 89
21) Hexachlorobenzene	16.52	284	2356	0.400	ng	99
22) Pentachlorophenol	16.88	266	1020	0.720	ng	93
23) Phenanthrene	17.27	178	10319	0.423	ng	99
24) Anthracene	17.36	178	9280	0.420	ng	99
26) Fluoranthene	19.29	202	16368	0.425	ng	100
28) Pyrene	19.65	202	17400	0.407	ng	100
30) Benzo(a)anthracene	21.39	228	20538	0.425	ng	100
31) Chrysene	21.45	228	21240	0.411	ng	97
32) Bis(2-ethylhexyl)phthalate	21.31	149	30045	0.539	ng	99
33) Indeno(1,2,3-cd)pyrene	26.63	276	25373	0.406	ng	99
35) Benzo(b)fluoranthene	23.21	252	20852	0.415	ng	99
36) Benzo(k)fluoranthene	23.21	252	20852	0.398	ng	100
37) Benzo(a)pyrene	23.83	252	19929	0.412	ng	# 97
38) Dibenzo(a,h)anthracene	26.66	278	20375	0.401	ng	# 98
39) Benzo(g,h,i)perylene	27.46	276	20597	0.402	ng	100

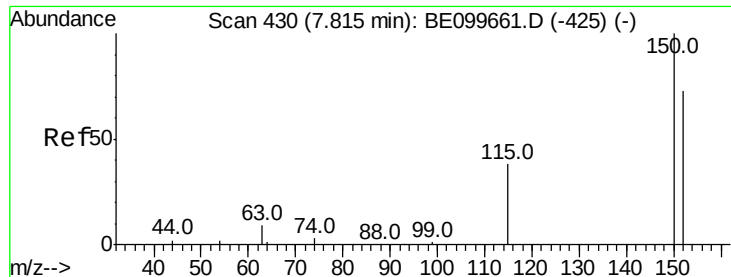
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampled :

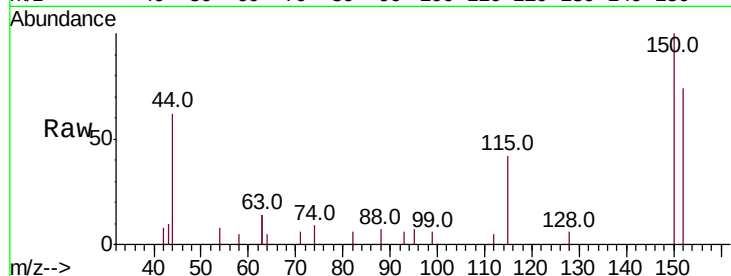
Tot Ion:152 Resp: 1138

Ion Ratio Lower Upper

152 100

150 135.0 109.2 163.8

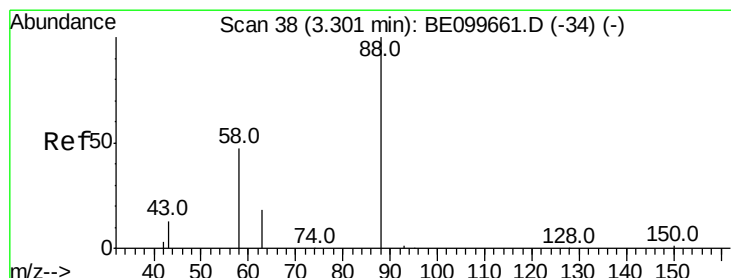
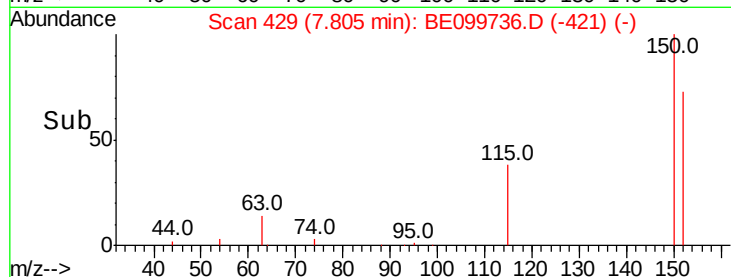
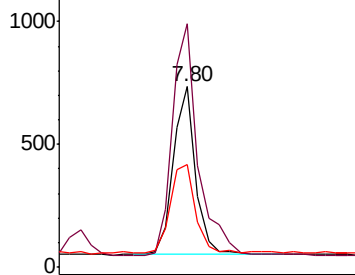
115 56.7 43.7 65.5



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: 0.432 ng

RT: 3.28 min Scan# 36

Delta R.T. -0.02 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

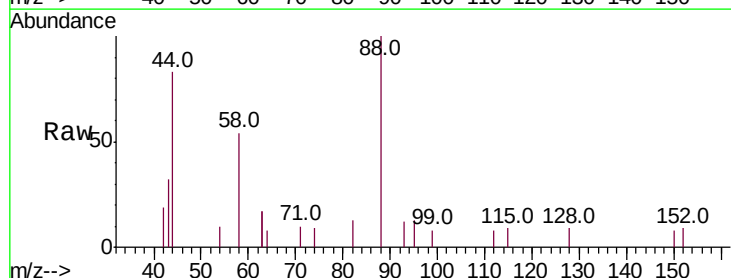
Tgt Ion: 88 Resp: 728

Ion Ratio Lower Upper

88 100

58 53.2 41.8 62.8

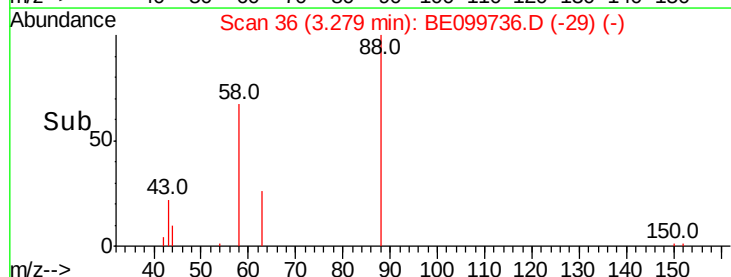
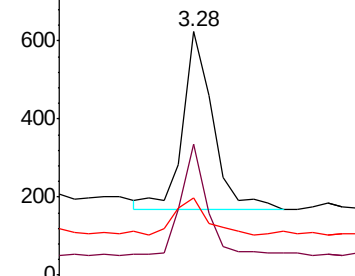
43 23.2 15.0 22.4#

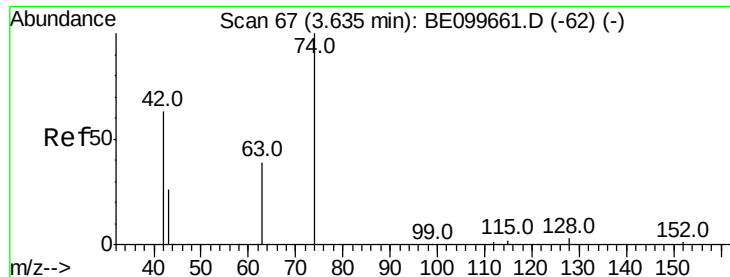


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



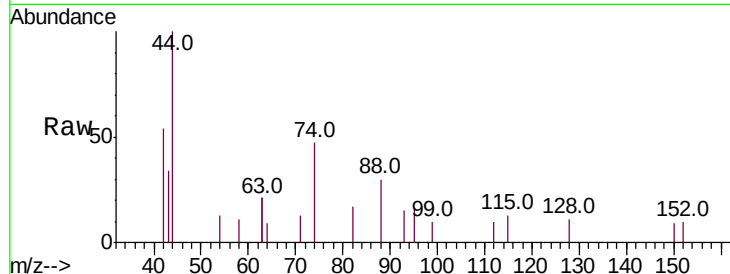


#3

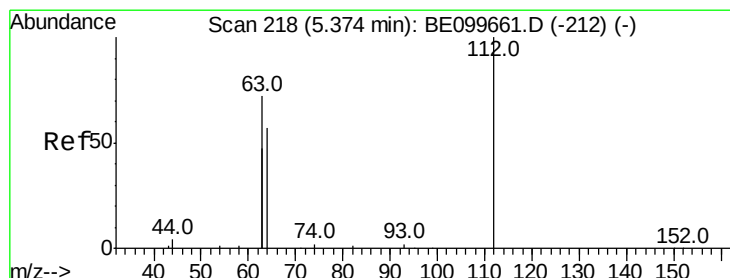
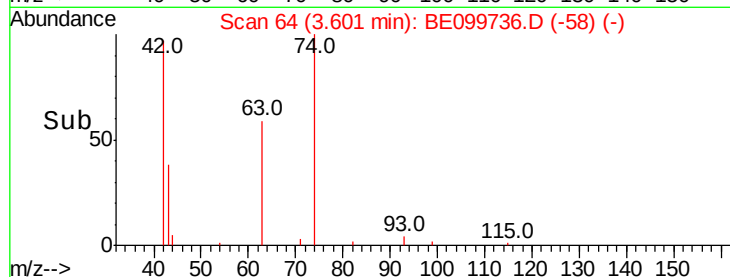
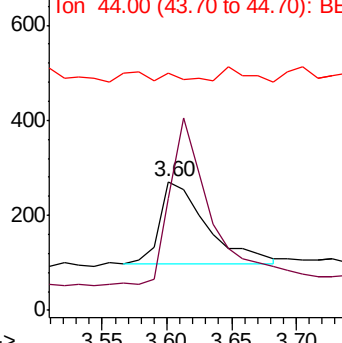
n-Nitrosodimethylamine
 Concen: 0.466 ng
 RT: 3.60 min Scan# 64
 Delta R.T. -0.03 min
 Lab File: BE099736.D
 Acq: 24 May 2019 11:23

Instrument :
 BNA_E
 ClientSampled :

Tot Ion: 42 Resp: 433
 Ion Ratio Lower Upper
 42 100
 74 179.9 129.2 193.8
 44 0.0 0.0 0.0



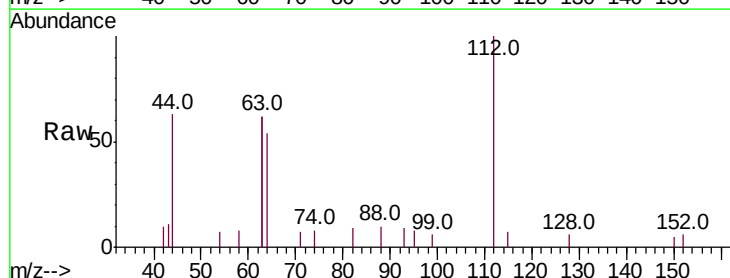
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



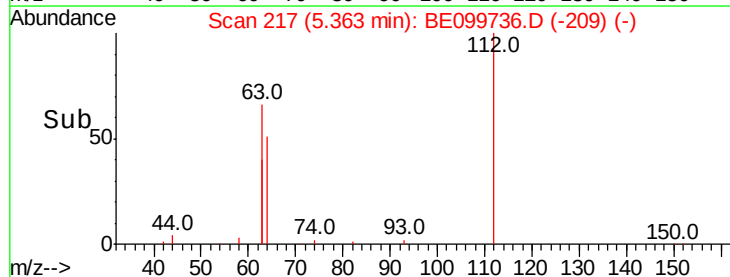
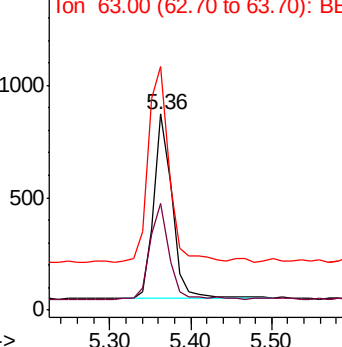
#4

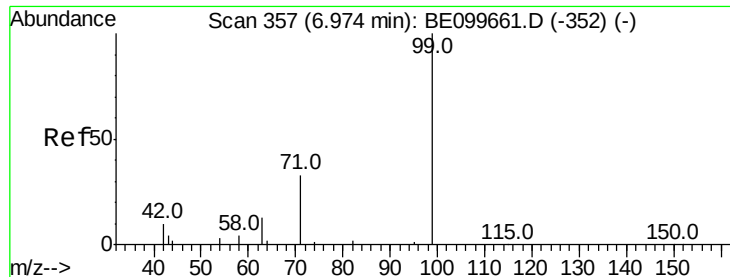
2-Fluorophenol
 Concen: 0.453 ng
 RT: 5.36 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: BE099736.D
 Acq: 24 May 2019 11:23

Tgt Ion: 112 Resp: 1302
 Ion Ratio Lower Upper
 112 100
 64 54.5 43.4 65.2
 63 121.4 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: 0.452 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :

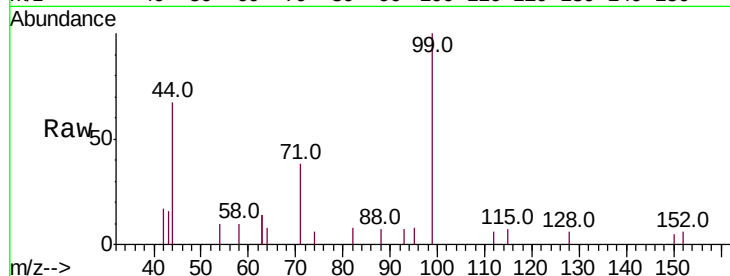
Tot Ion: 99 Resp: 1719

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

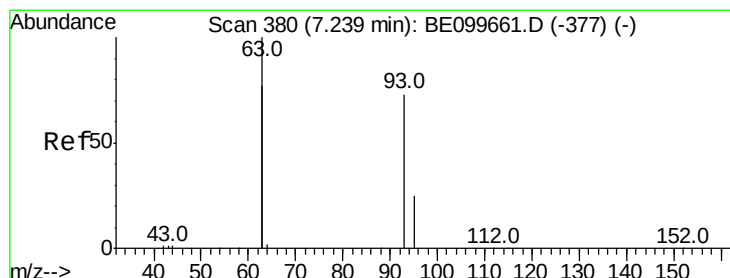
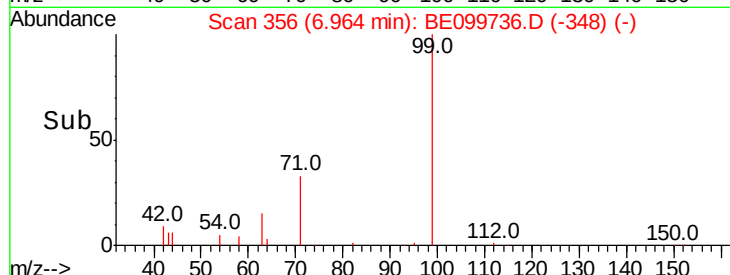
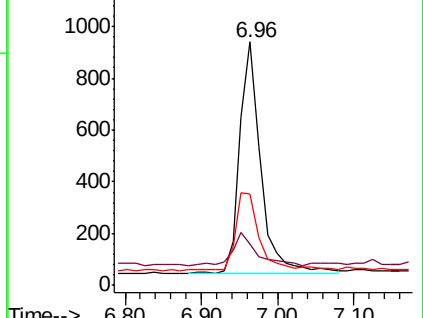
71 37.9 28.9 43.3



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: 0.433 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

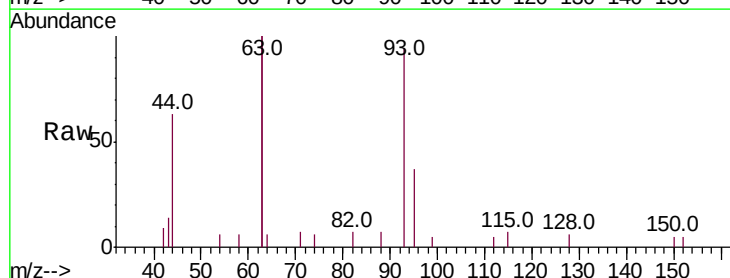
Tgt Ion: 93 Resp: 1466

Ion Ratio Lower Upper

93 100

63 259.7 207.8 311.6

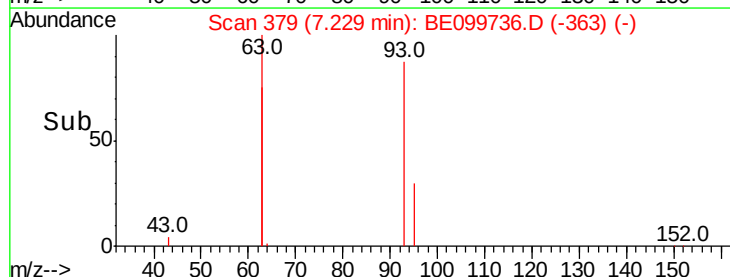
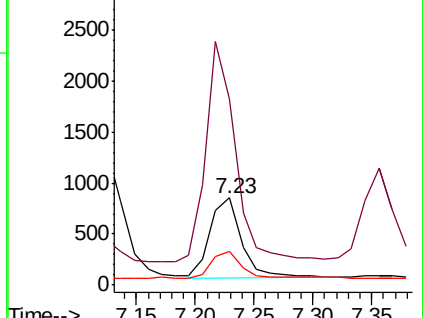
95 36.8 25.9 38.9

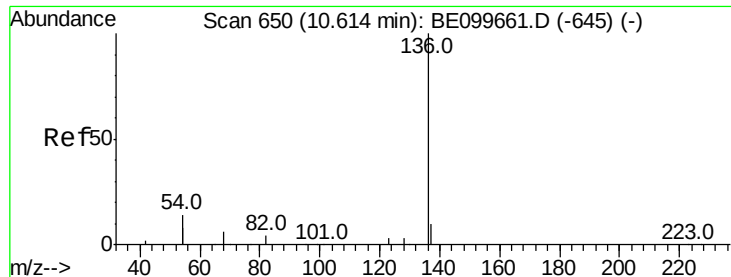


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4239

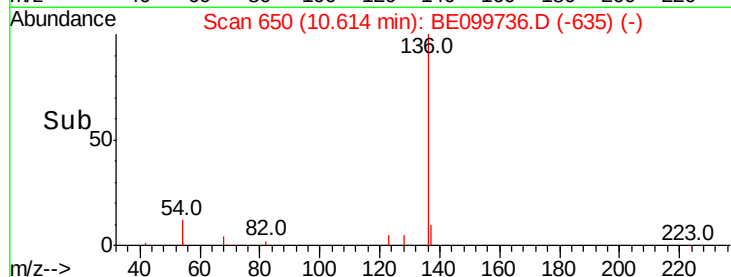
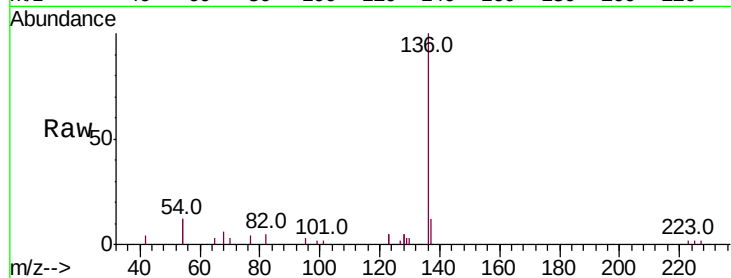
Ion Ratio Lower Upper

136 100

137 12.5 9.0 13.6

54 23.6 22.3 33.5

68 6.5 6.0 9.0

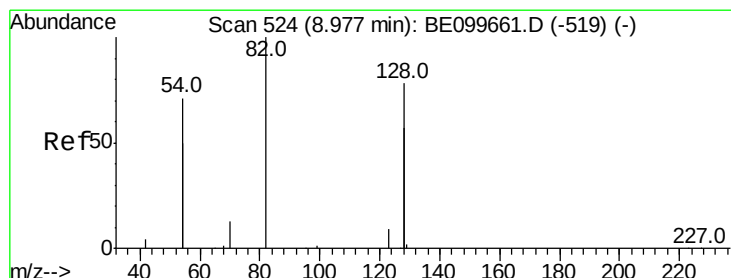
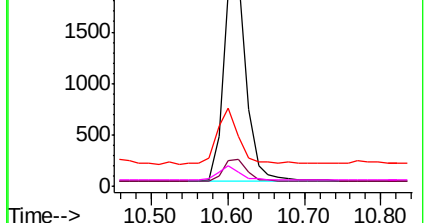


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.462 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

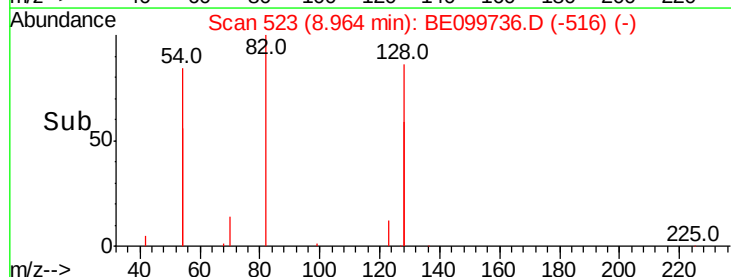
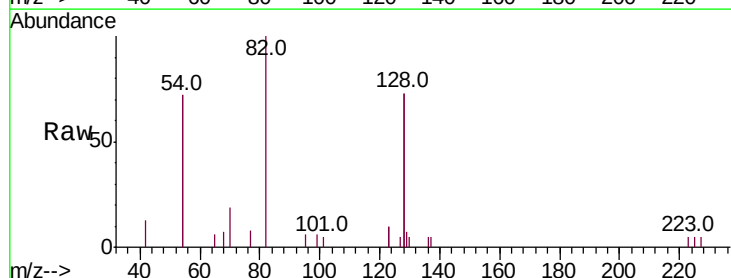
Tgt Ion: 82 Resp: 1696

Ion Ratio Lower Upper

82 100

128 146.6 117.7 176.5

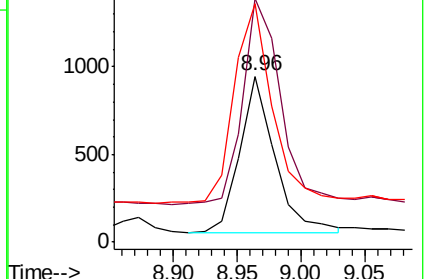
54 143.9 106.6 160.0

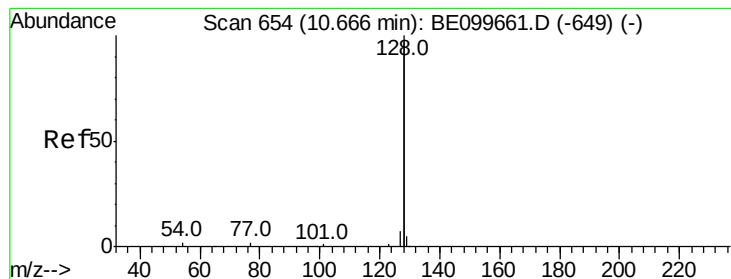


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.411 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampled :

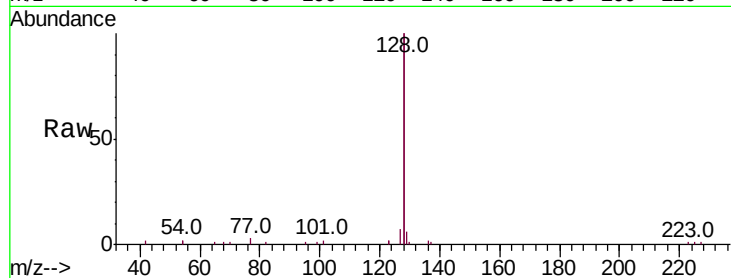
Tot Ion:128 Resp: 18649

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

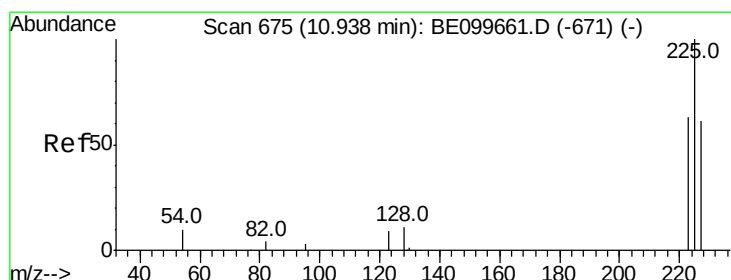
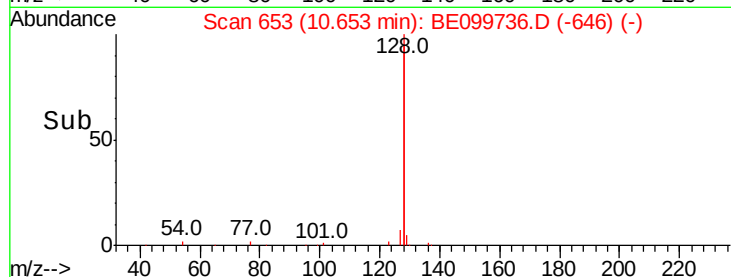
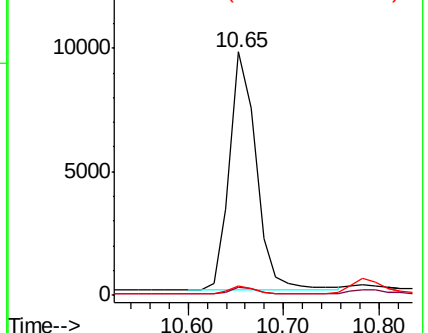
127 3.7 2.9 4.3



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: 0.410 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

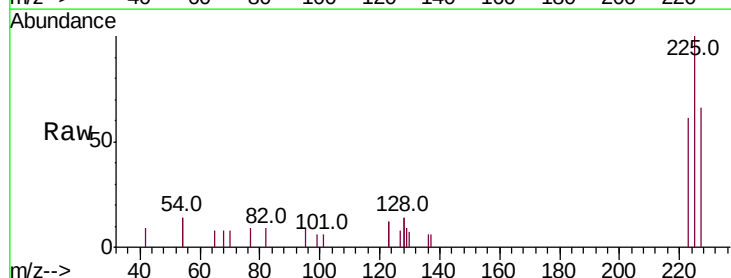
Tgt Ion:225 Resp: 1370

Ion Ratio Lower Upper

225 100

223 63.5 51.8 77.6

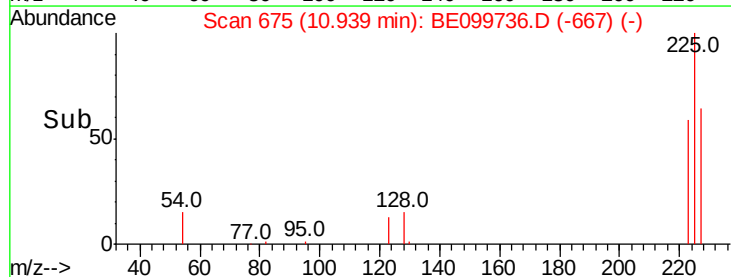
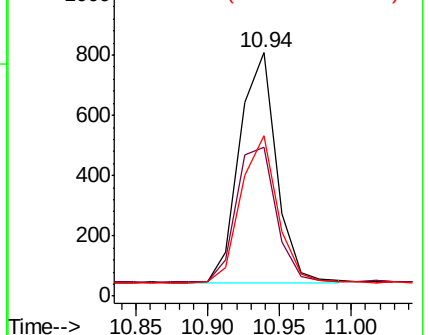
227 62.8 52.6 79.0

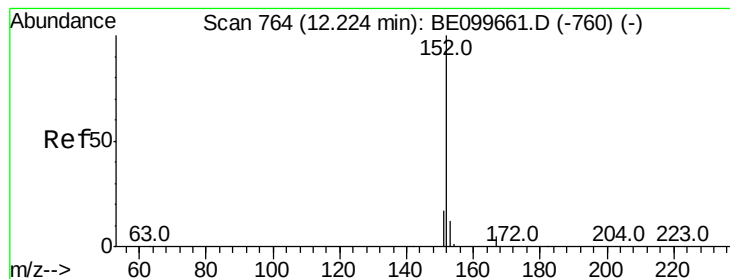


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.416 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.02 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

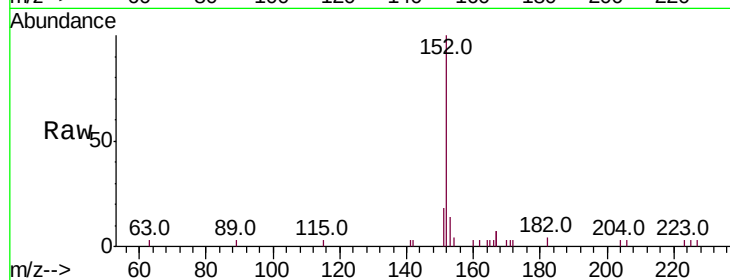
ClientSampleId :

Tot Ion:152 Resp: 3041

Ion Ratio Lower Upper

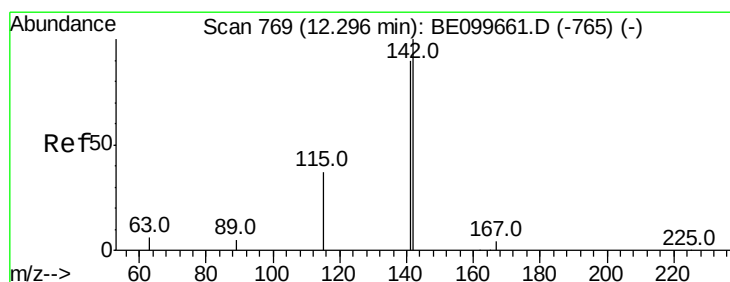
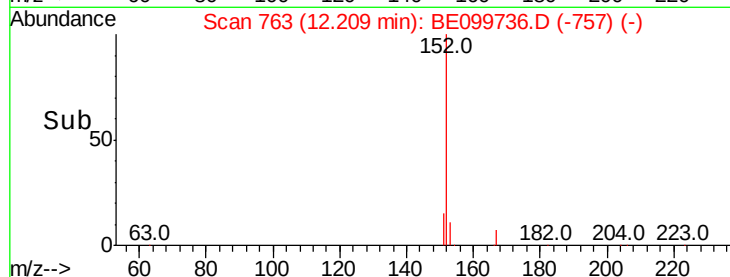
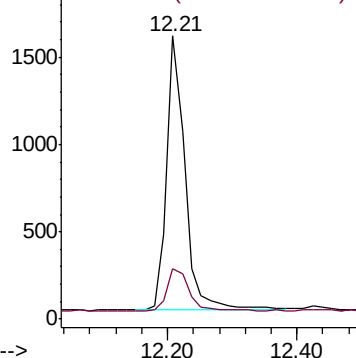
152 100

151 18.2 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: 0.426 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

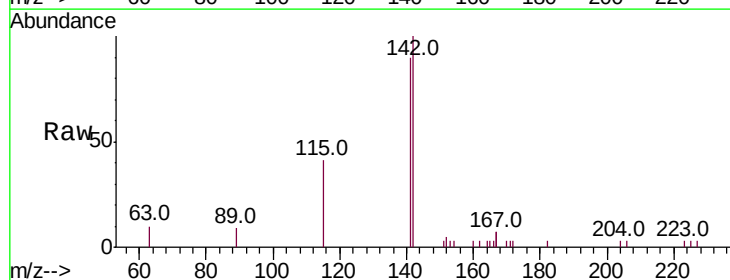
Tgt Ion:142 Resp: 3147

Ion Ratio Lower Upper

142 100

141 89.6 72.0 108.0

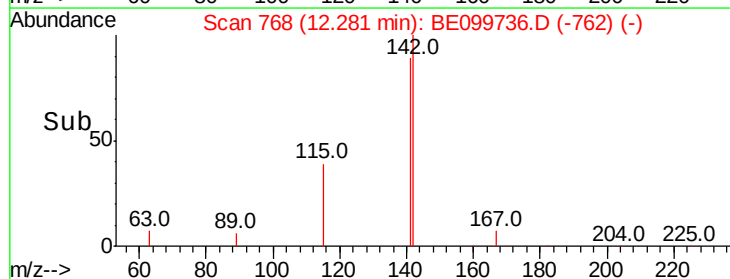
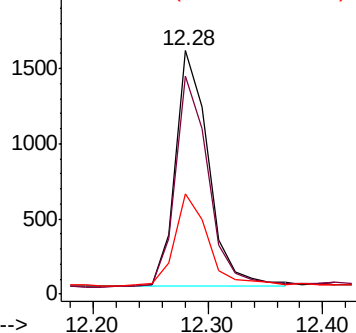
115 41.2 31.0 46.4

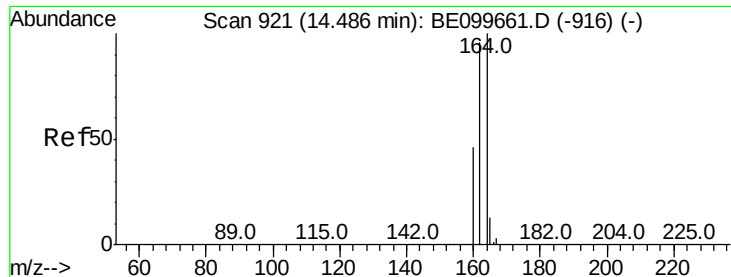


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :

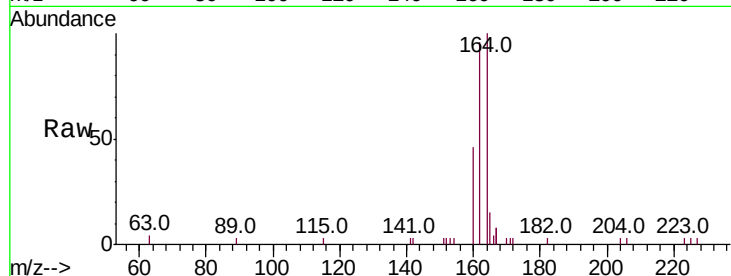
Tot Ion:164 Resp: 3102

Ion Ratio Lower Upper

164 100

162 96.4 76.5 114.7

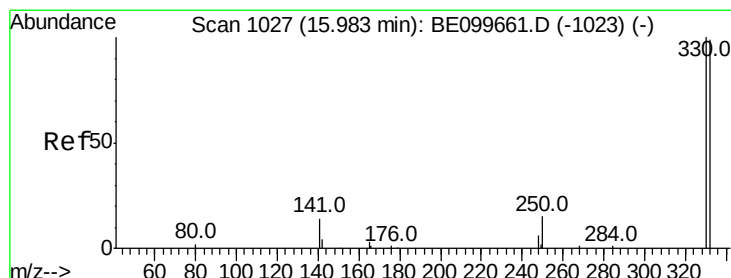
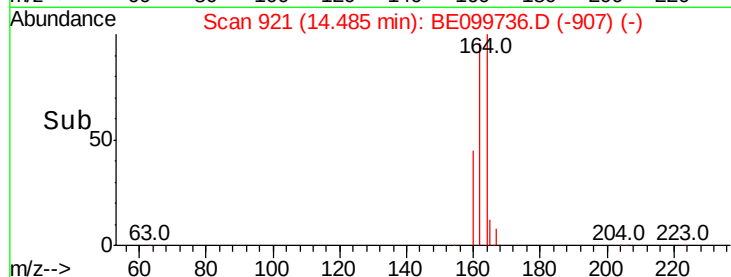
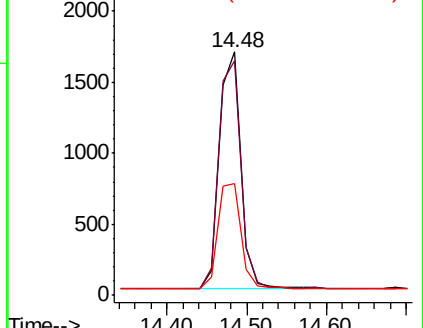
160 46.0 37.4 56.2



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: 0.541 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

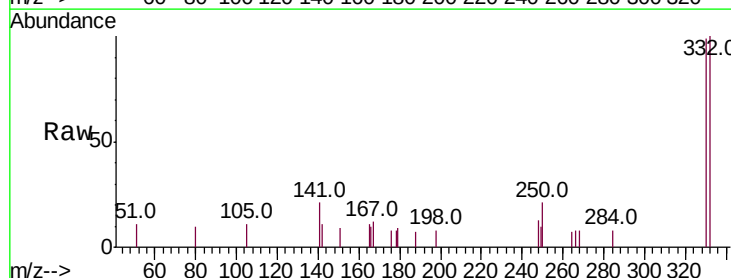
Tgt Ion:330 Resp: 983

Ion Ratio Lower Upper

330 100

332 99.5 77.3 115.9

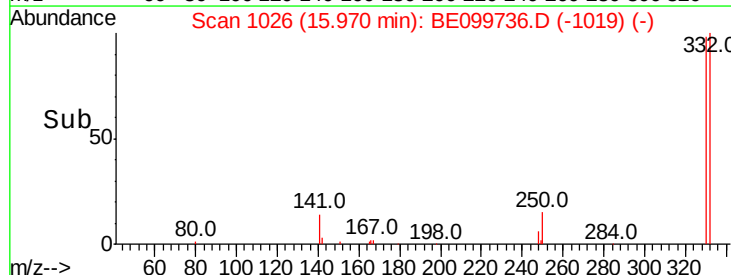
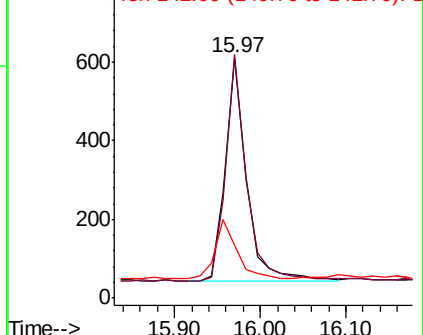
141 27.4 18.9 28.3

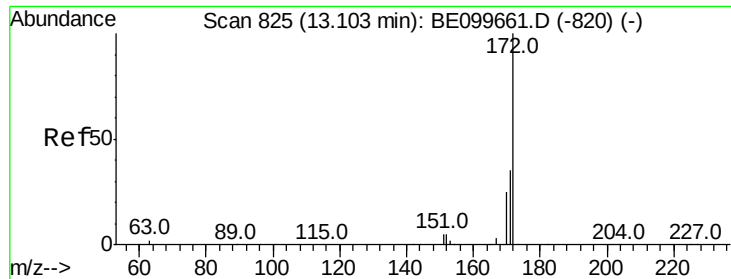


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

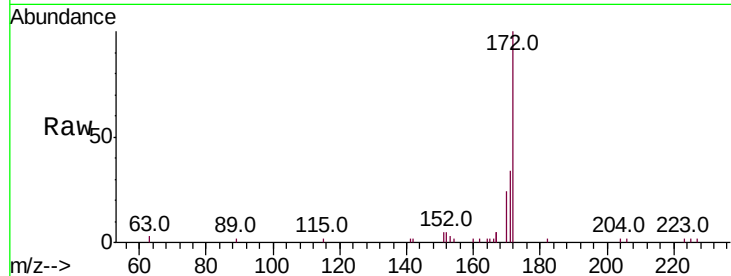




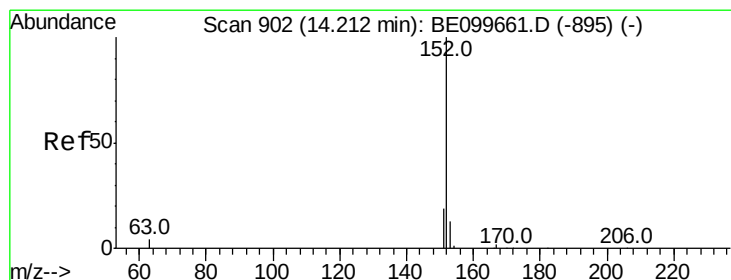
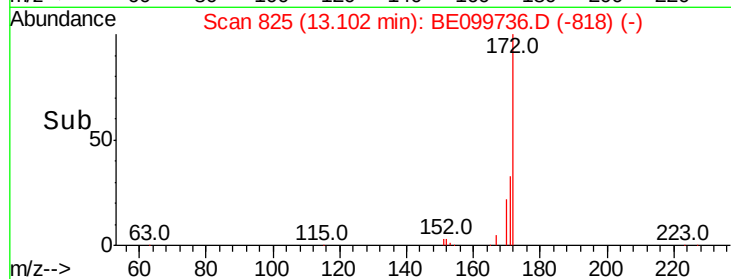
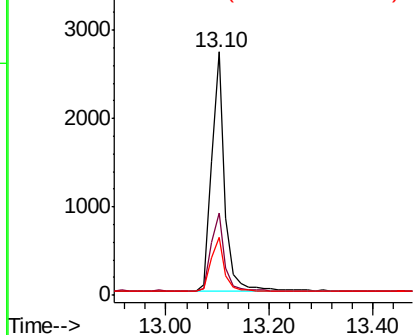
#15
 2-Fluorobiphenyl
 Concen: 0.412 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BE099736.D
 Acq: 24 May 2019 11:23

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:172 Resp: 4854
 Ion Ratio Lower Upper
 172 100
 171 34.0 28.7 43.1
 170 23.8 20.9 31.3

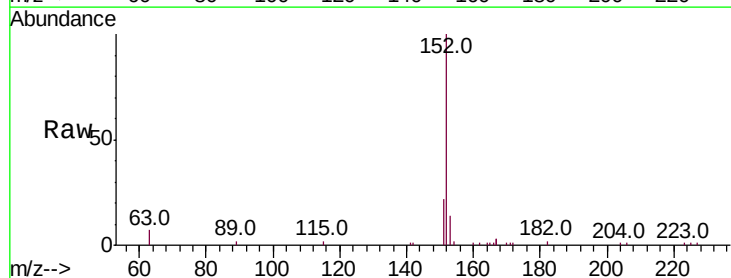


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

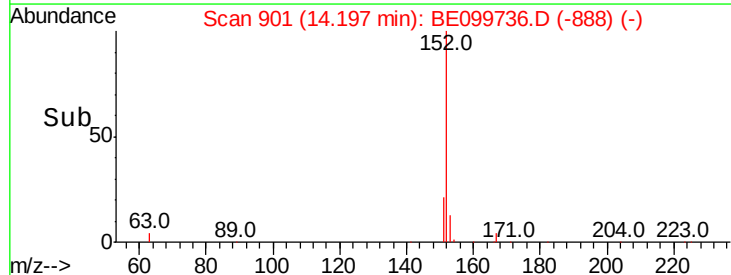
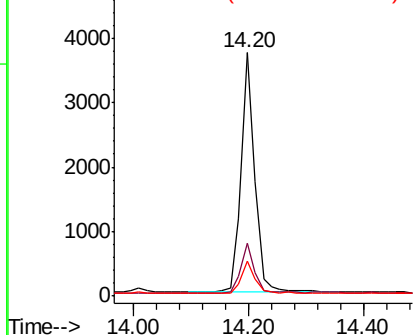


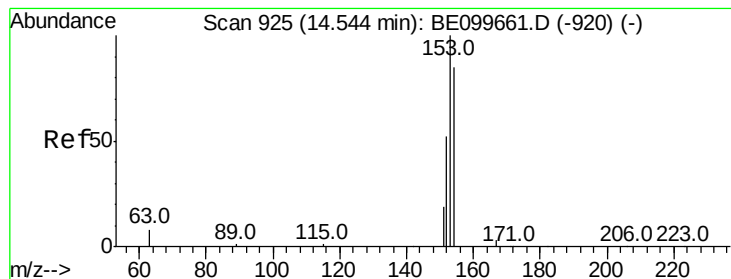
#16
 Acenaphthylene
 Concen: 0.423 ng
 RT: 14.20 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: BE099736.D
 Acq: 24 May 2019 11:23

Tgt Ion:152 Resp: 6110
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.9 23.9
 153 13.5 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: 0.416 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :

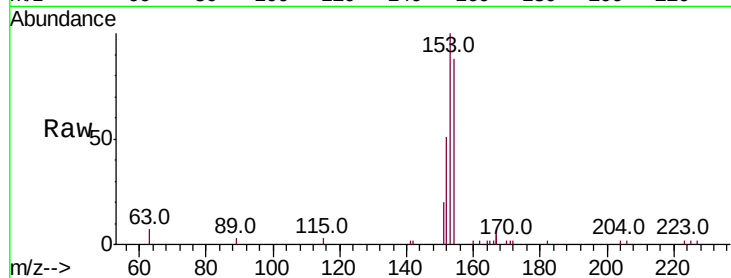
Tot Ion:154 Resp: 3379

Ion Ratio Lower Upper

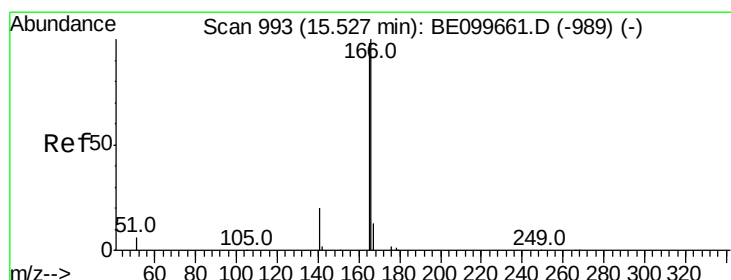
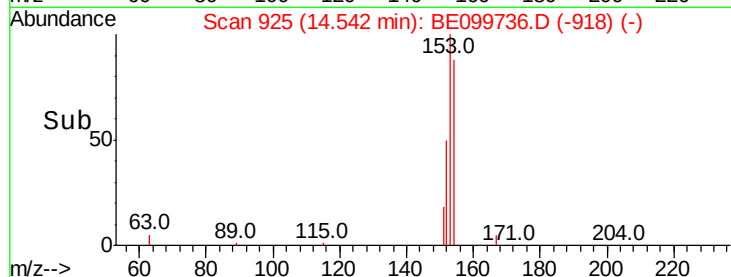
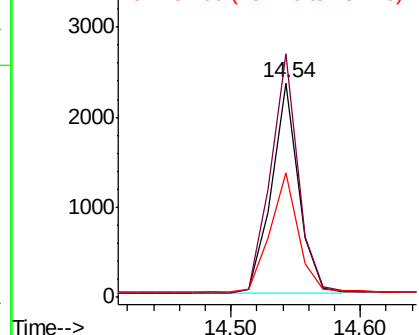
154 100

153 117.0 91.8 137.6

152 59.8 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: 0.426 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

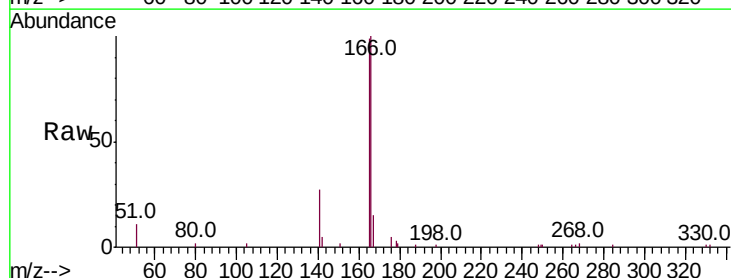
Tgt Ion:166 Resp: 5096

Ion Ratio Lower Upper

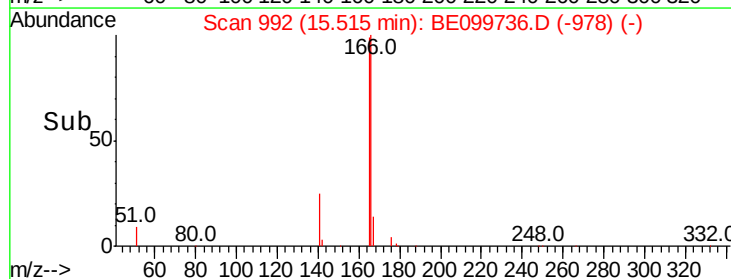
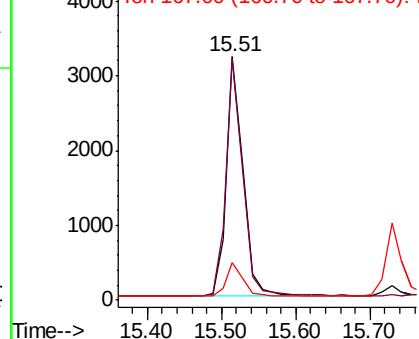
166 100

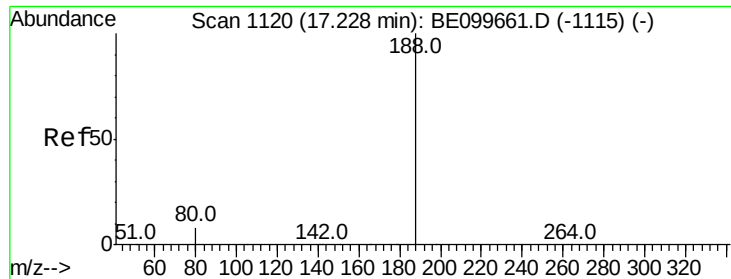
165 100.3 80.3 120.5

167 14.0 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: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :

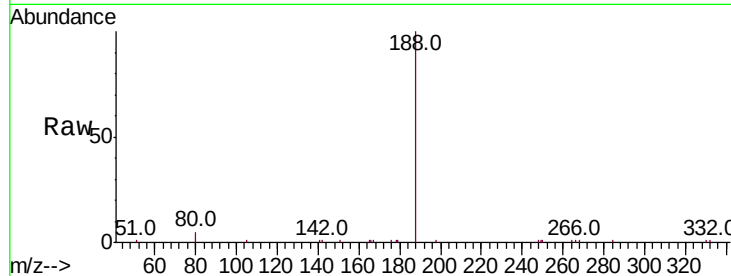
Tot Ion:188 Resp: 9979

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

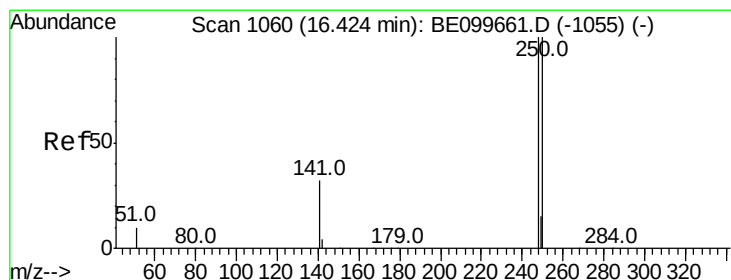
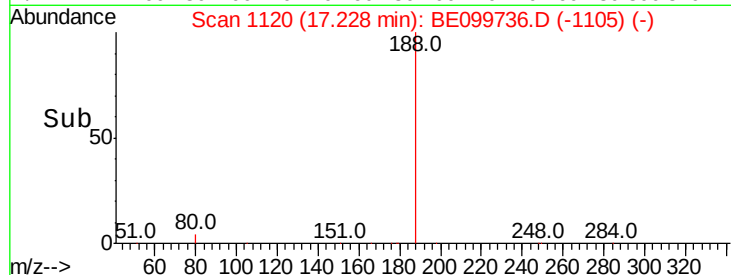
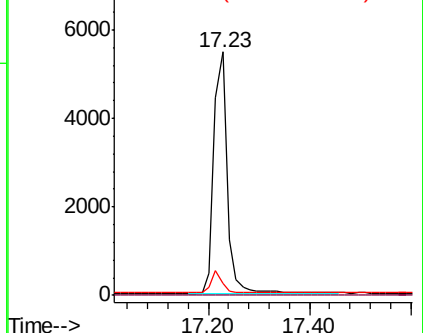
80 5.1 6.7 10.1#



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: 0.400 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

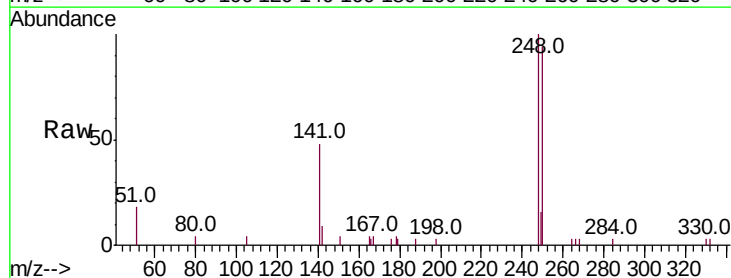
Tgt Ion:248 Resp: 2303

Ion Ratio Lower Upper

248 100

250 93.8 79.8 119.8

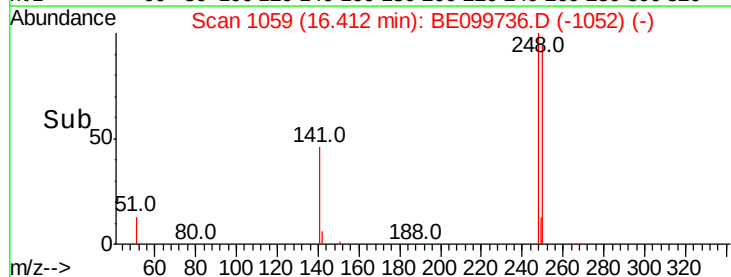
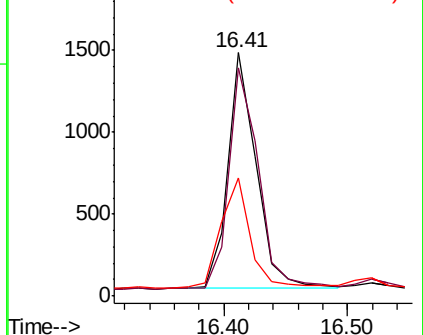
141 48.3 27.0 40.6#

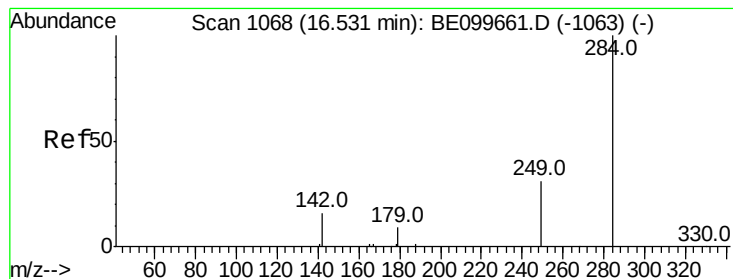


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.400 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :

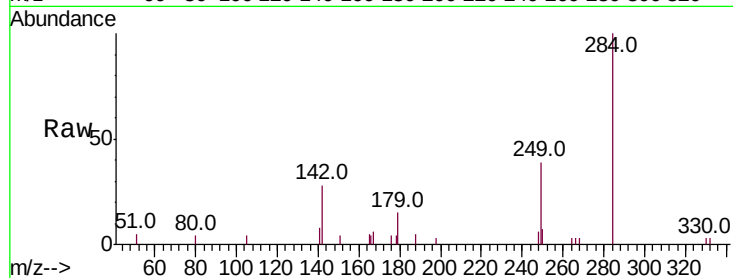
Tot Ion:284 Resp: 2356

Ion Ratio Lower Upper

284 100

142 23.6 17.8 26.6

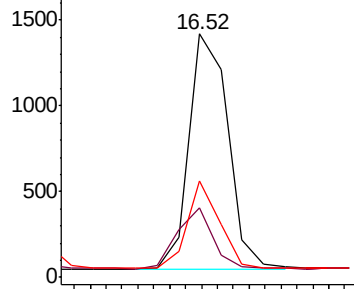
249 30.8 24.8 37.2



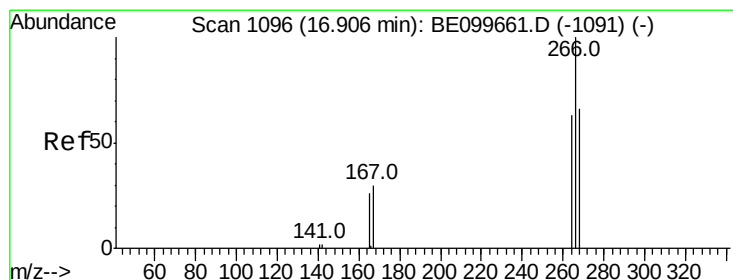
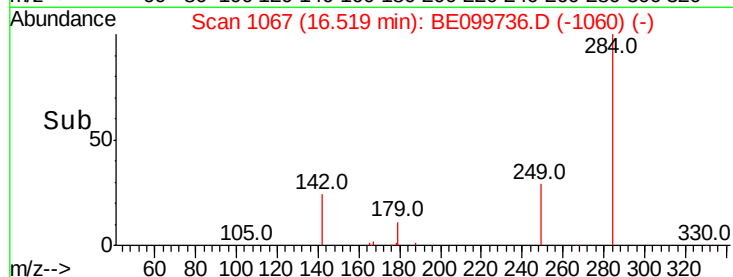
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.720 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

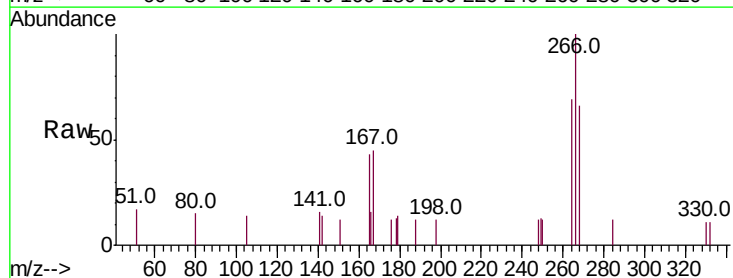
Tgt Ion:266 Resp: 1020

Ion Ratio Lower Upper

266 100

264 68.7 57.2 85.8

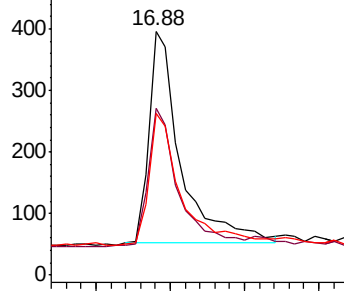
268 66.4 60.5 90.7



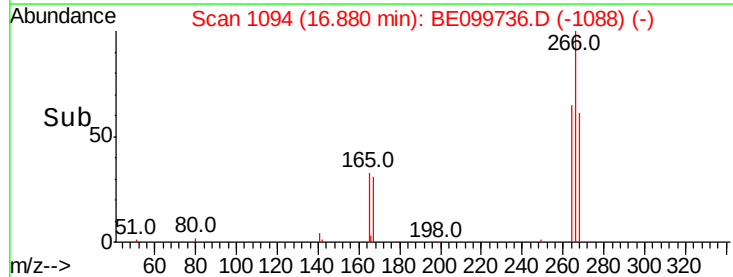
Abundance Ion 266.00 (265.70 to 266.70): E

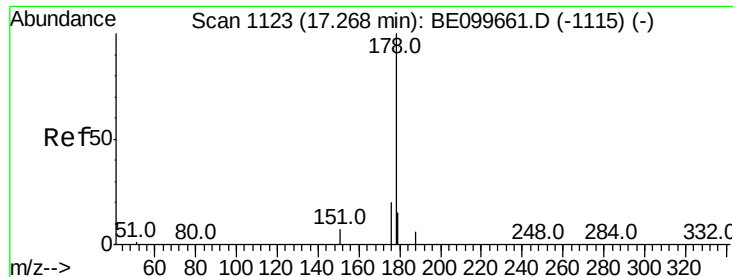
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.423 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

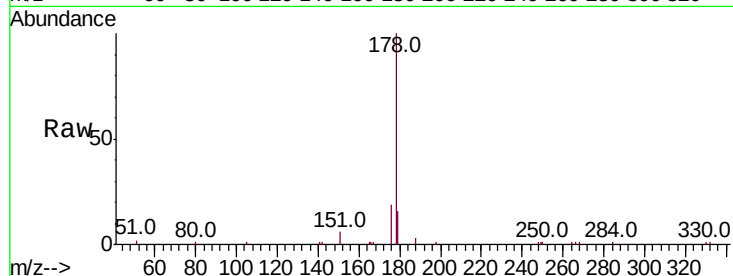
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 10319

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.4	12.2	18.4

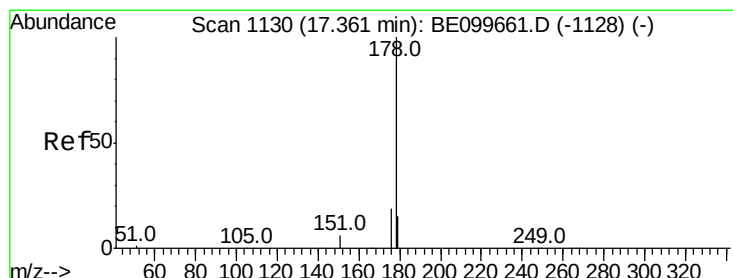
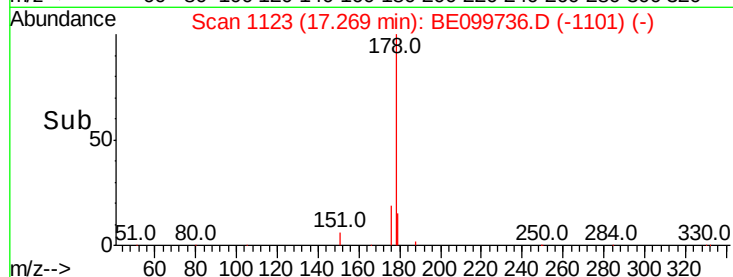
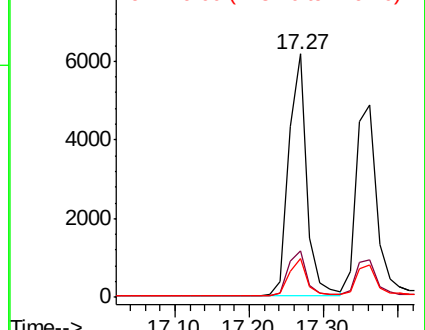


Abundance

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: 0.420 ng

RT: 17.36 min Scan# 1130

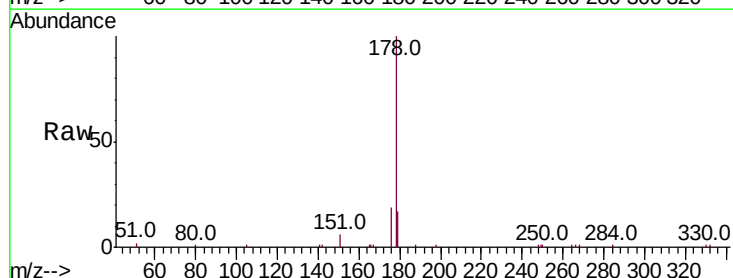
Delta R.T. 0.00 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Tgt Ion:178 Resp: 9280

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.3	12.0	18.0

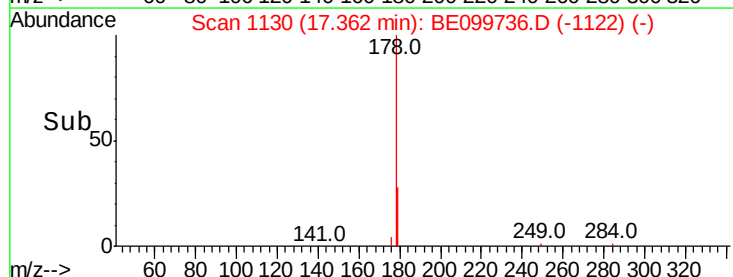
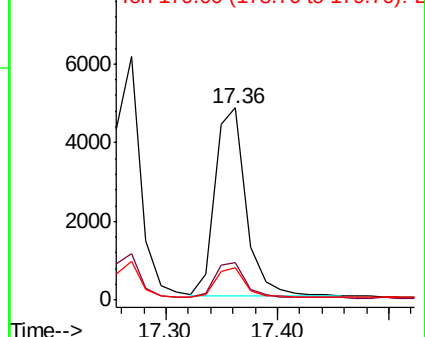


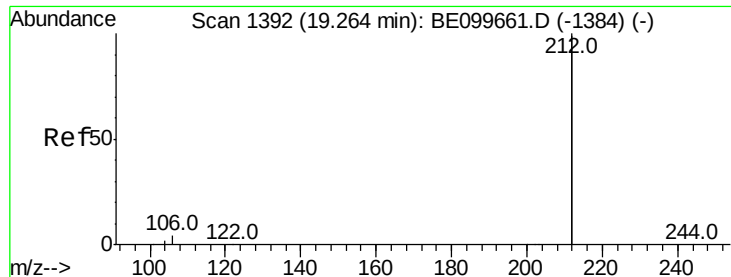
Abundance

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: 0.425 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :

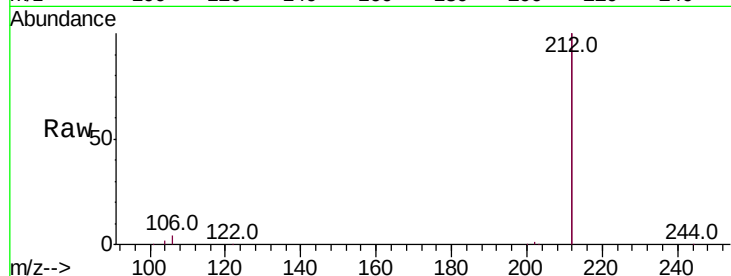
Tot Ion:212 Resp: 58015

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

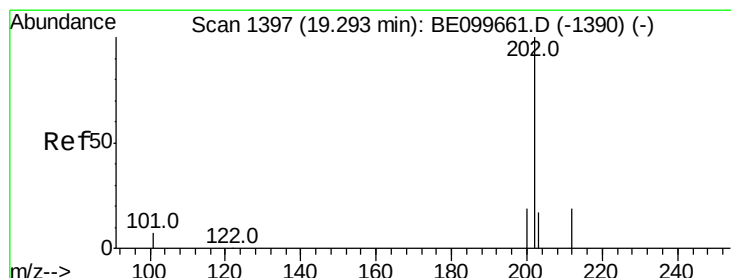
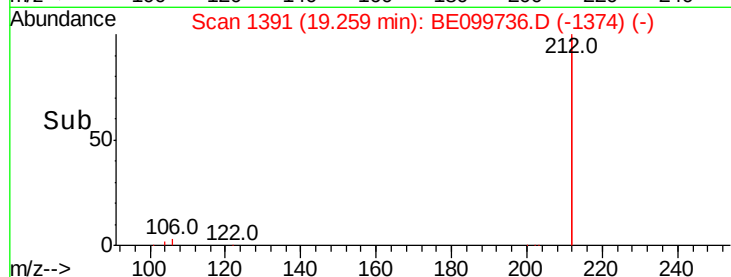
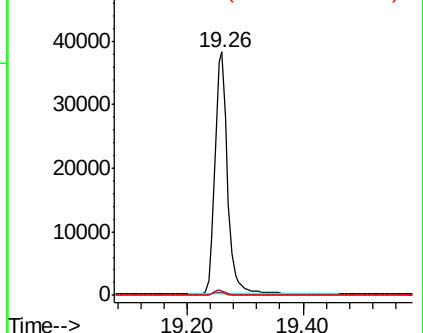
104 1.0 0.8 1.2



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: 0.425 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.00 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

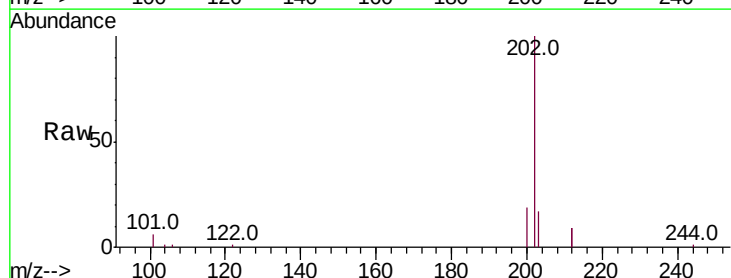
Tgt Ion:202 Resp: 16368

Ion Ratio Lower Upper

202 100

101 6.7 5.2 7.8

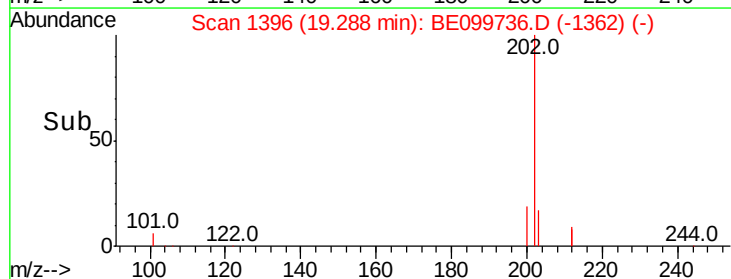
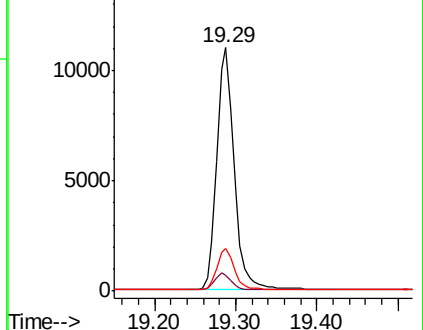
203 17.0 13.8 20.6

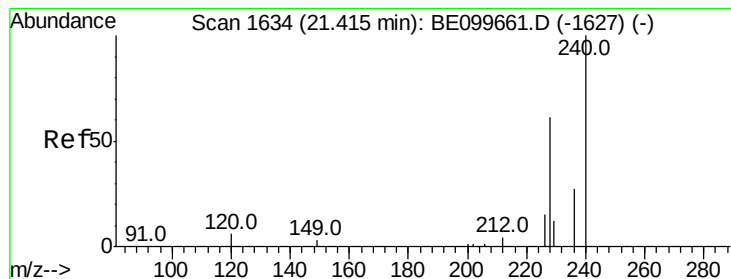


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1634

Delta R.T. -0.00 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :

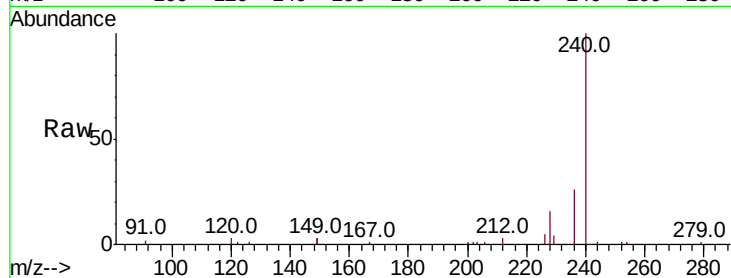
Tot Ion:240 Resp: 17020

Ion Ratio Lower Upper

240 100

120 3.2 5.4 8.0#

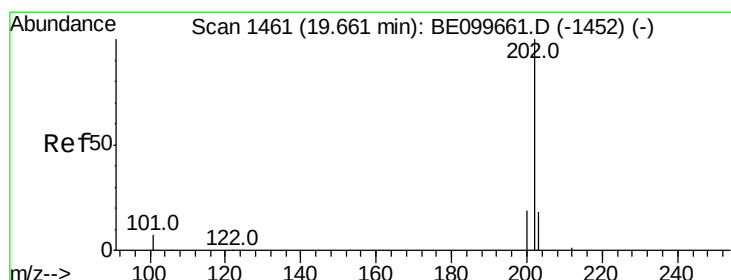
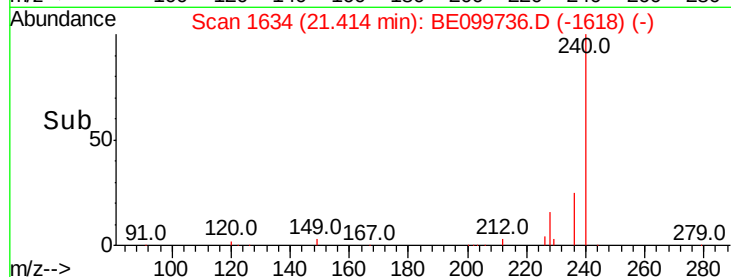
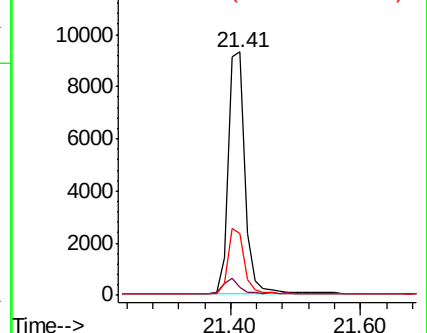
236 25.6 21.7 32.5



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: 0.407 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

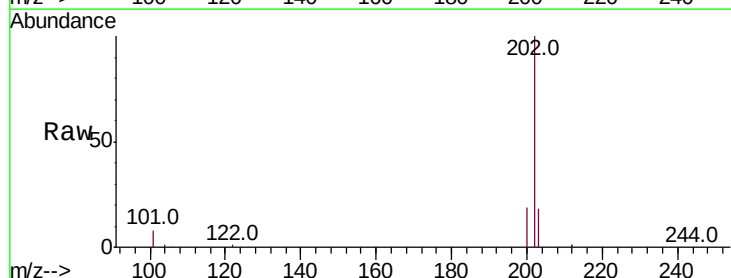
Tgt Ion:202 Resp: 17400

Ion Ratio Lower Upper

202 100

200 19.5 15.4 23.2

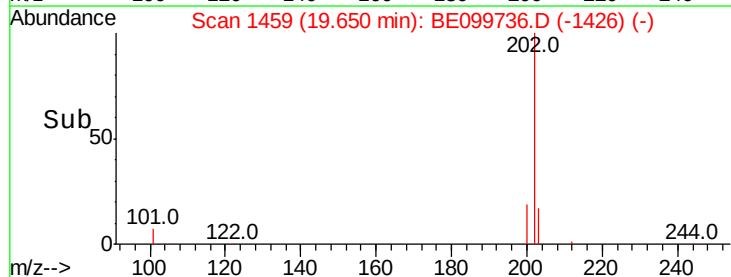
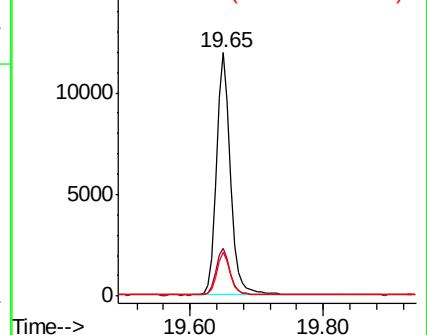
203 17.4 13.8 20.8

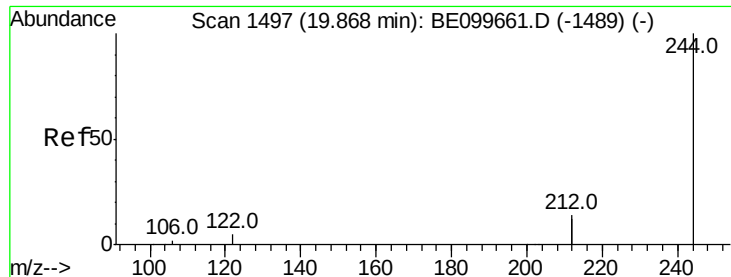


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.401 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampled :

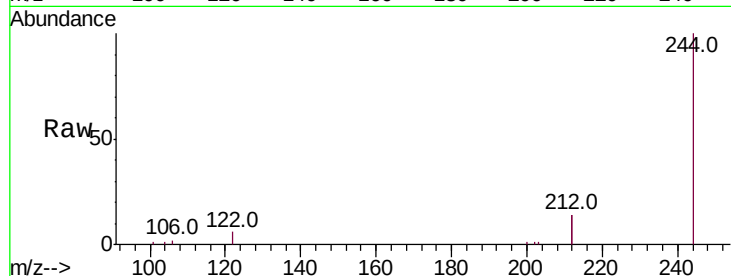
Tot Ion:244 Resp: 12176

Ion Ratio Lower Upper

244 100

212 28.8 22.5 33.7

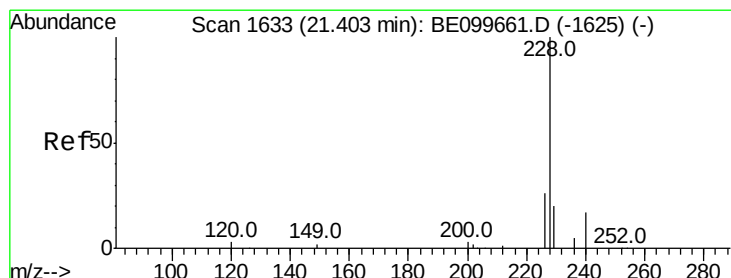
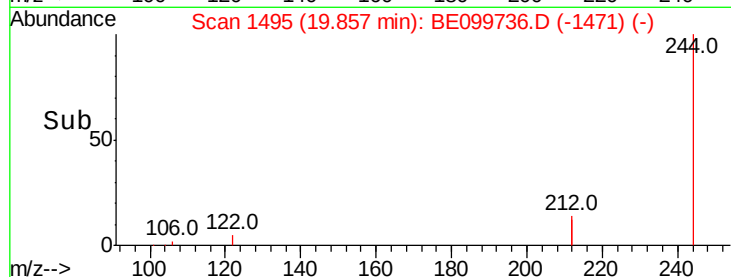
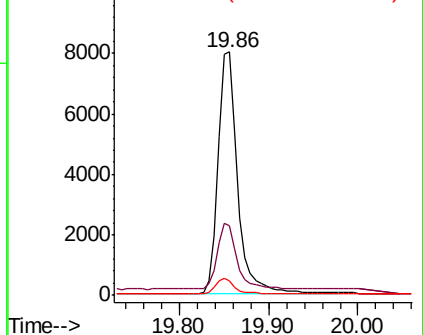
122 6.0 4.3 6.5



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: 0.425 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

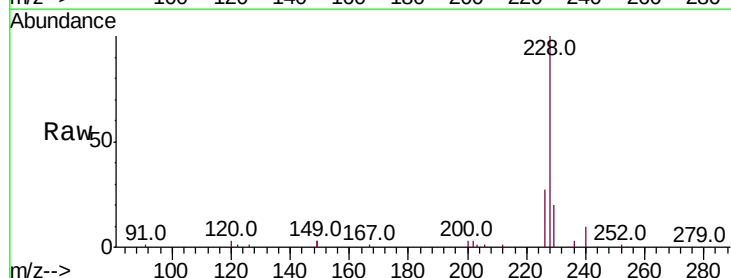
Tgt Ion:228 Resp: 20538

Ion Ratio Lower Upper

228 100

226 26.6 21.3 31.9

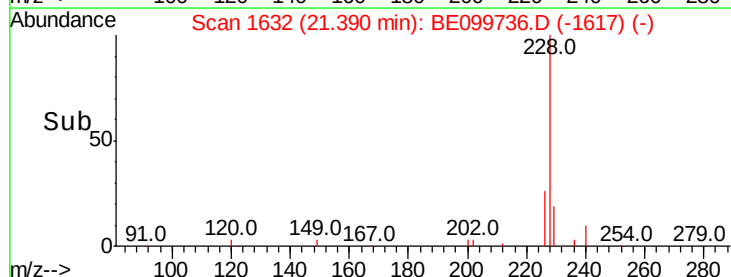
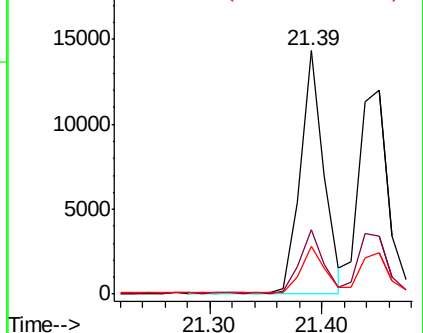
229 19.7 16.1 24.1

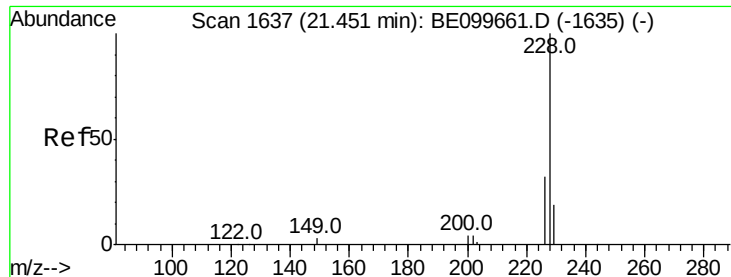


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.411 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

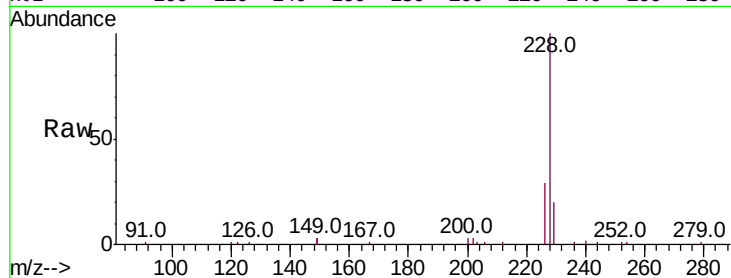
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 21240

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.7	37.1
229	20.2	15.8	23.6

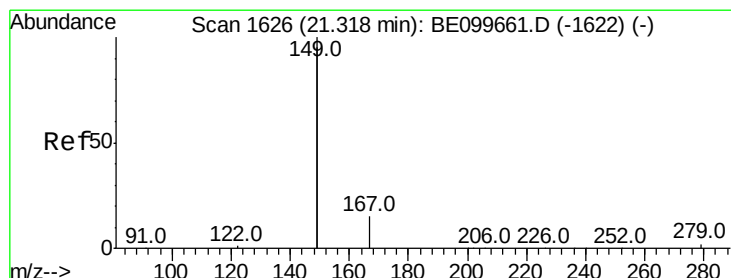
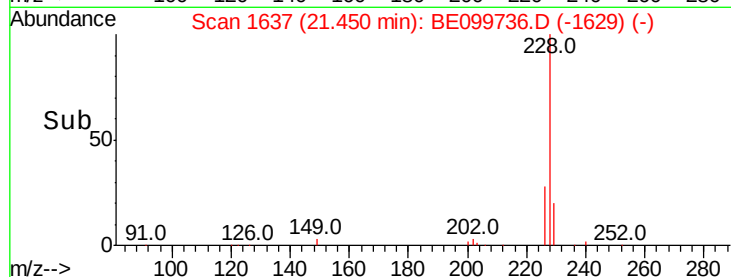
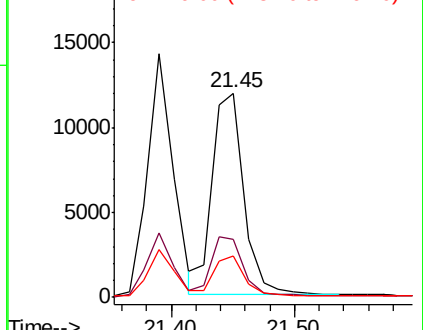


Abundance

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: 0.539 ng

RT: 21.31 min Scan# 1625

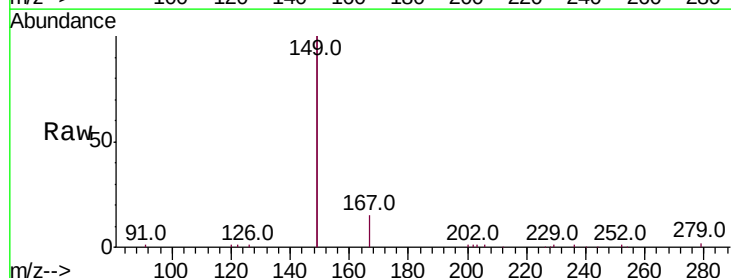
Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Tgt Ion:149 Resp: 30045

Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.2	9.4
279	1.4	1.2	1.8

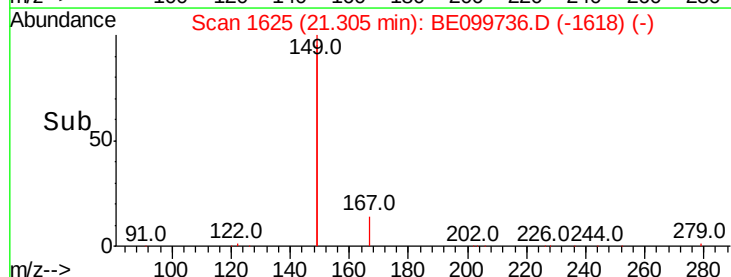
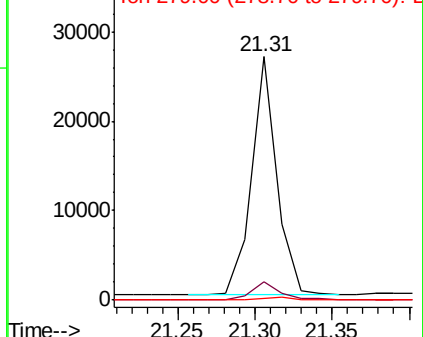


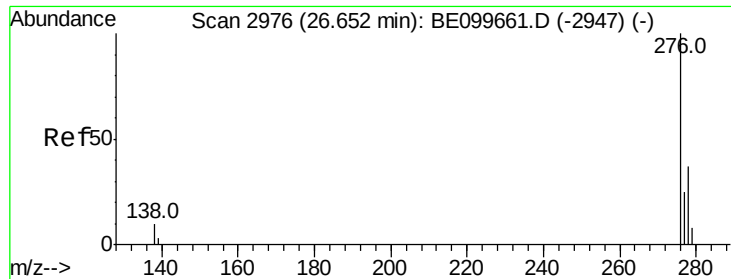
Abundance

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: 0.406 ng

RT: 26.63 min Scan# 2969

Delta R.T. -0.02 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :

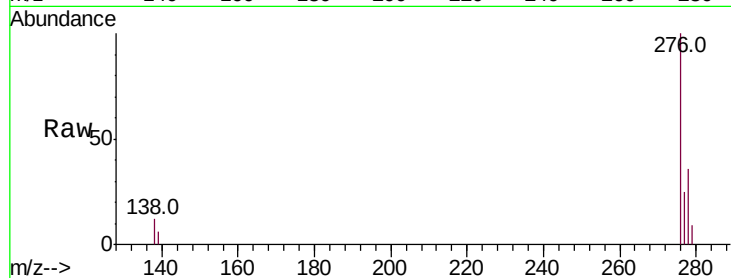
Tot Ion:276 Resp: 25373

Ion Ratio Lower Upper

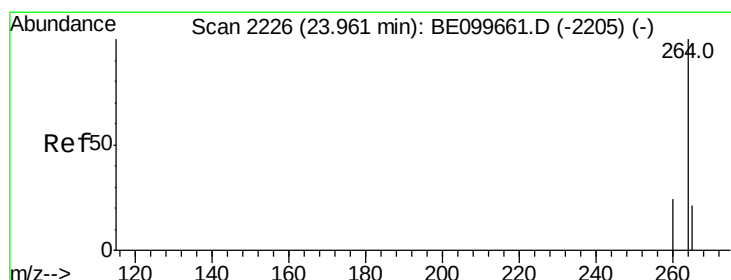
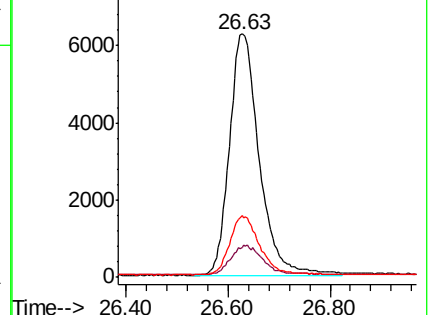
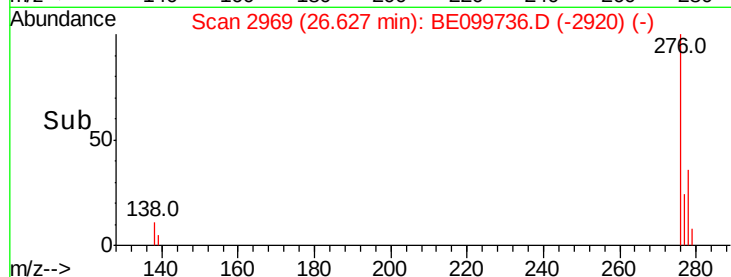
276 100

138 12.9 9.6 14.4

277 24.4 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: 23.94 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

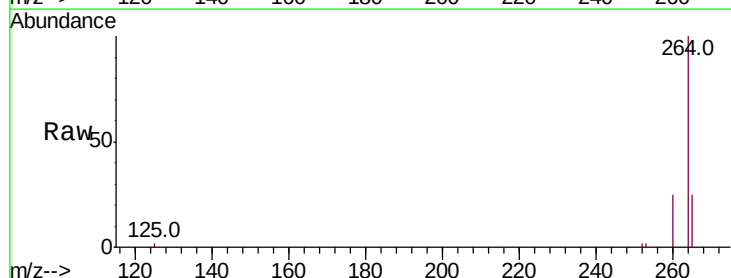
Tgt Ion:264 Resp: 18336

Ion Ratio Lower Upper

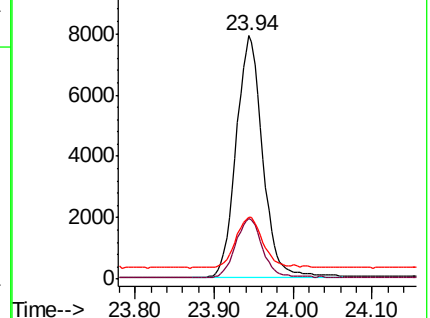
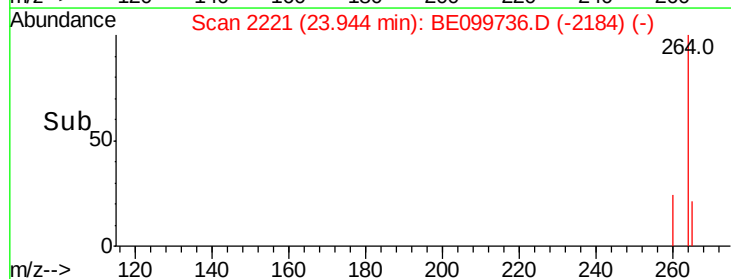
264 100

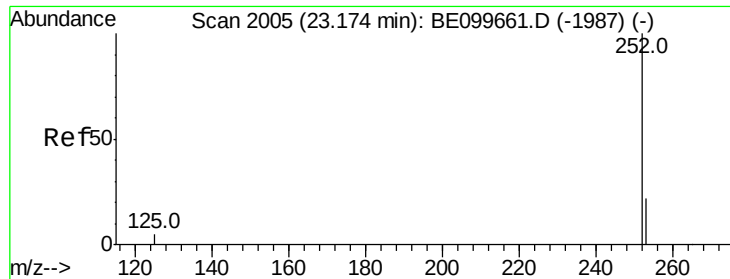
260 24.8 19.6 29.4

265 25.4 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: 0.415 ng

RT: 23.21 min Scan# 2015

Delta R.T. 0.04 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :

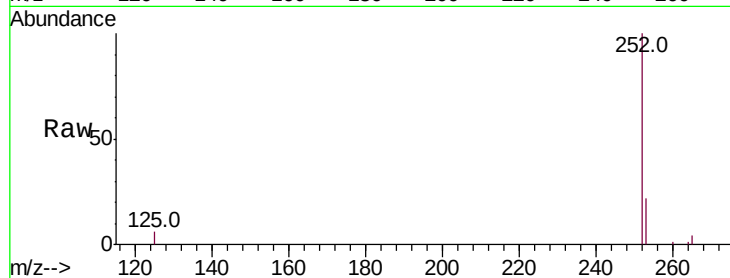
Tot Ion:252 Resp: 20852

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

125 5.9 4.5 6.7

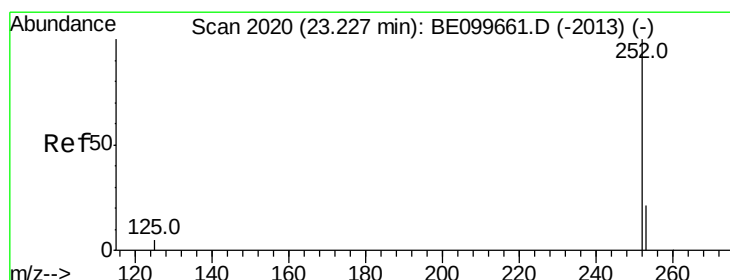
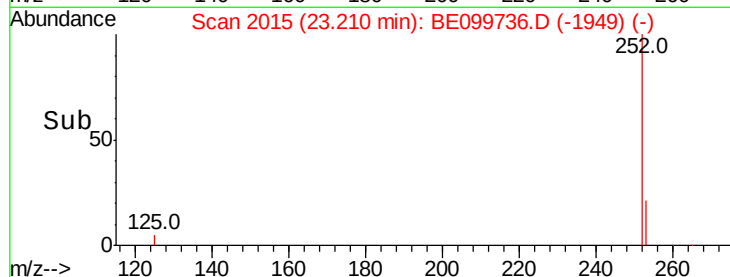
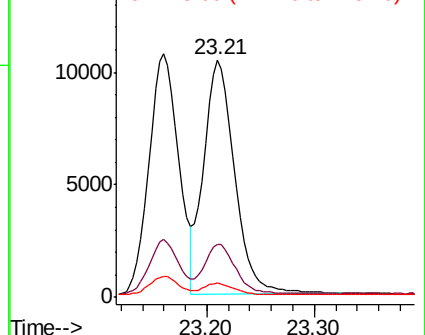


Abundance

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



#36

Benzo(k)fluoranthene

Concen: 0.398 ng

RT: 23.21 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

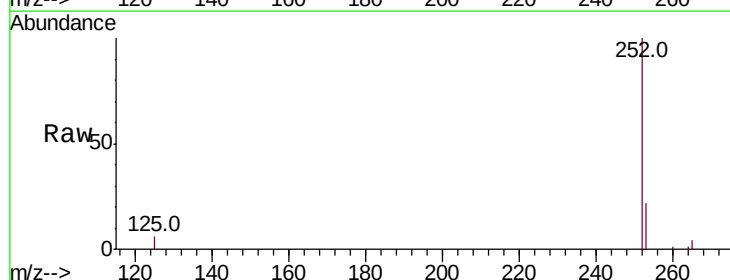
Tgt Ion:252 Resp: 20852

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 5.9 4.6 6.8

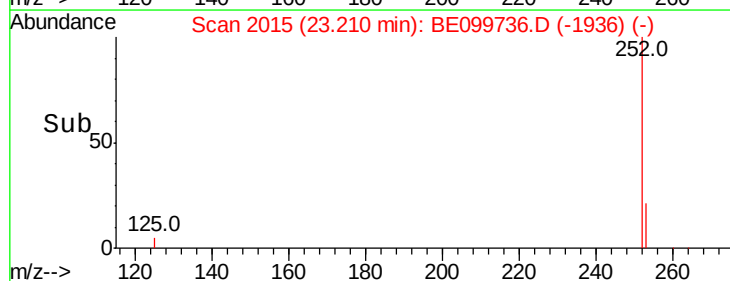
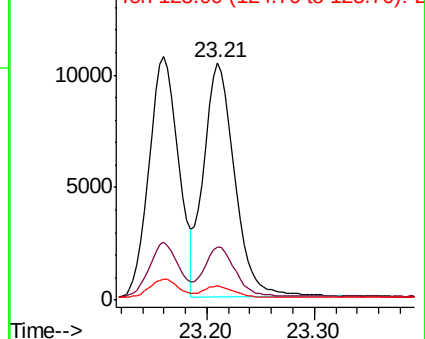


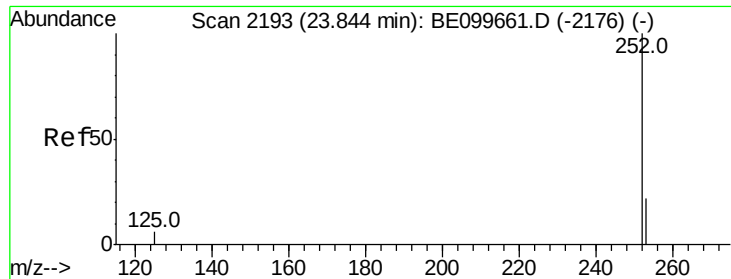
Abundance

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: 0.412 ng

RT: 23.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :

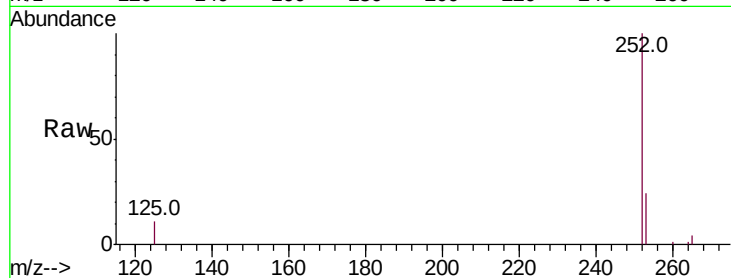
Tot Ion:252 Resp: 19929

Ion Ratio Lower Upper

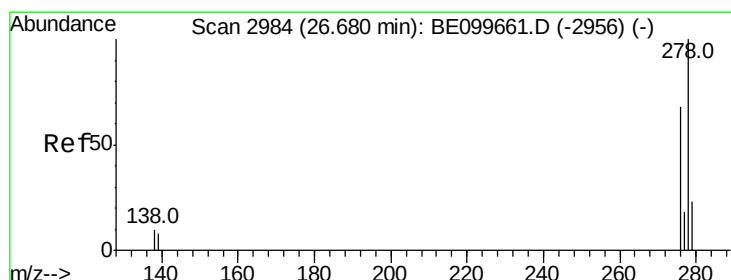
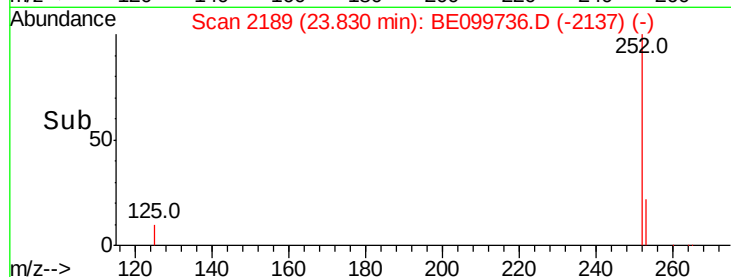
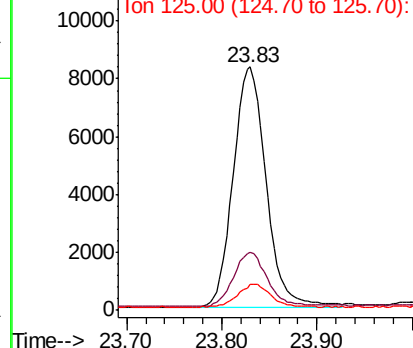
252 100

253 23.8 18.9 28.3

125 10.9 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: 0.401 ng

RT: 26.66 min Scan# 2977

Delta R.T. -0.02 min

Lab File: BE099736.D

Acq: 24 May 2019 11:23

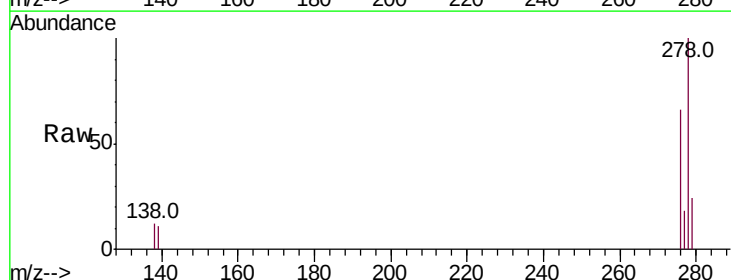
Tgt Ion:278 Resp: 20375

Ion Ratio Lower Upper

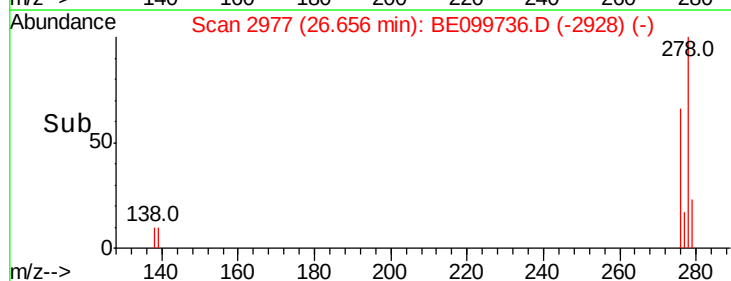
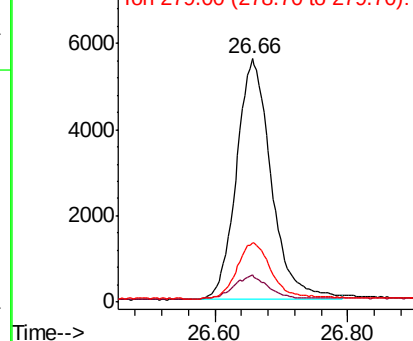
278 100

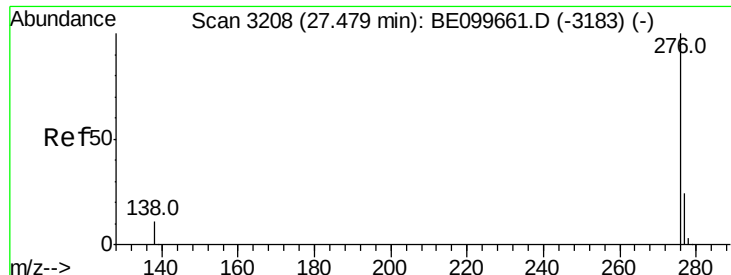
139 11.1 6.9 10.3#

279 24.2 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(a,h,i)perylene

Concen: 0.402 ng

RT: 27.46 min Scan# 3202

Delta R.T. -0.02 min

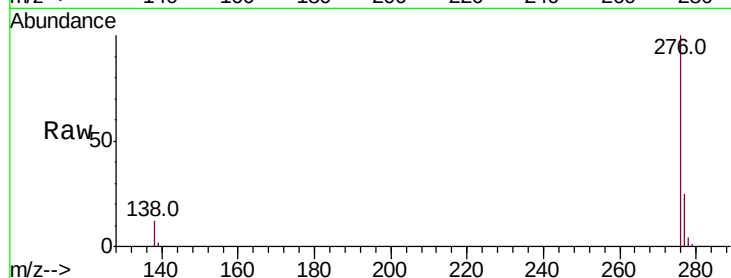
Lab File: BE099736.D

Acq: 24 May 2019 11:23

Instrument :

BNA_E

ClientSampleId :



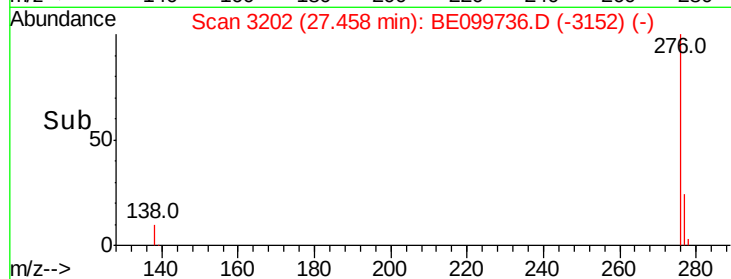
Tot Ion: 276 Resp: 20597

Ion Ratio Lower Upper

276 100

277 25.0 19.8 29.6

138 11.5 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

