

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE051619\
 Data File : BE099636.D
 Acq On : 16 May 2019 23:52
 Operator : JU/SJ
 Sample : PB119714BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB119714BS

Quant Time: May 17 07:04:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 14 19:30:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1922	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5636	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3344	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	9204	0.40	ng	0.00
27) Chrysene-d12	21.41	240	13049	0.40	ng	0.00
34) Perylene-d12	23.96	264	16349	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	1501	0.28	ng	0.01
5) Phenol-d6	6.98	99	1884	0.27	ng	0.00
8) Nitrobenzene-d5	8.98	82	1706	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3988	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	512	0.22	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4594	0.36	ng	0.00
25) Fluoranthene-d10	19.27	212	40625	0.33	ng	0.00
29) Terphenyl-d14	19.86	244	8628	0.37	ng	0.00

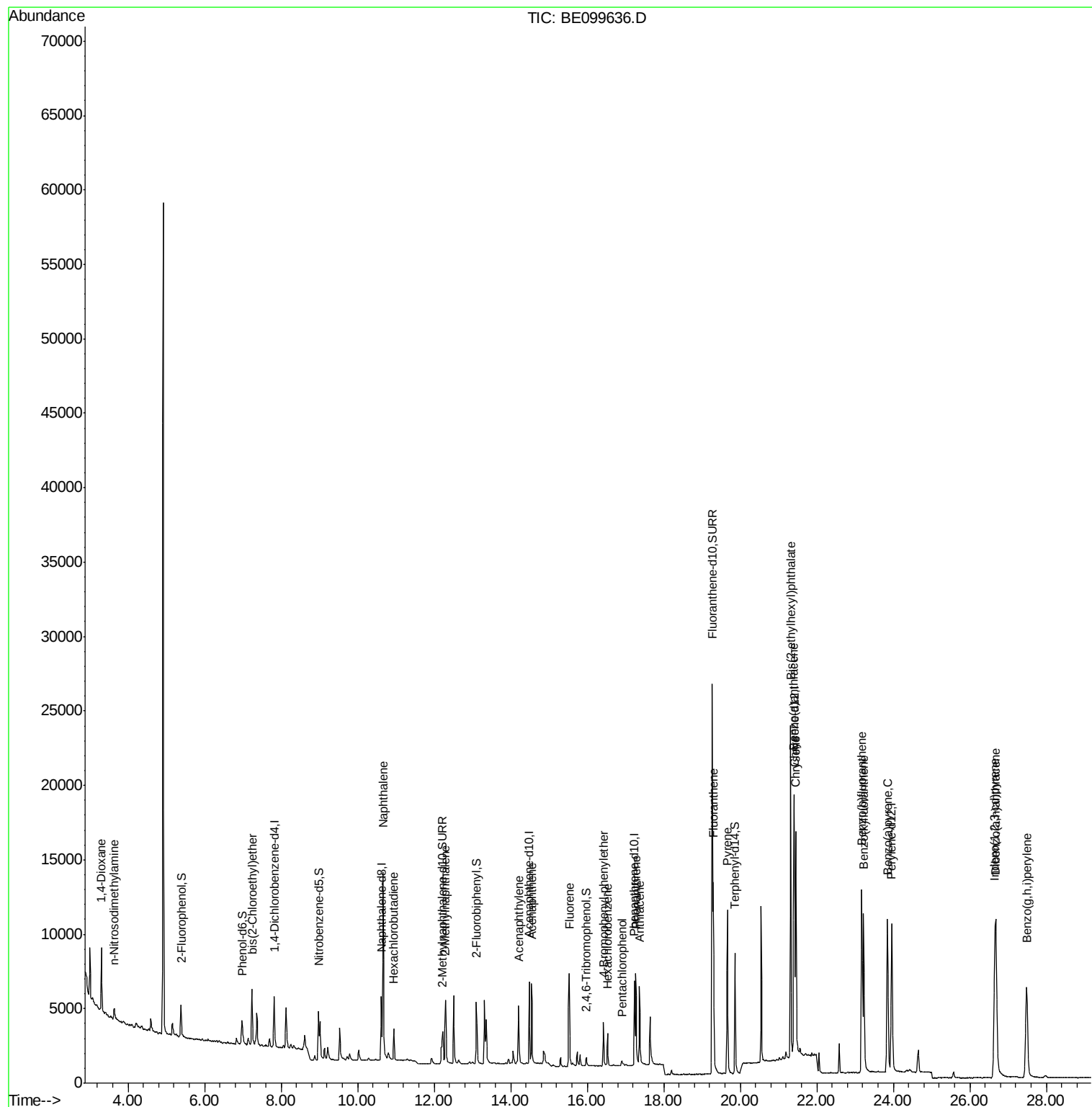
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	2752	0.971	ng	# 77
3) n-Nitrosodimethylamine	3.62	42	577	0.319	ng	# 96
6) bis(2-Chloroethyl)ether	7.24	93	1756	0.302	ng	92
9) Naphthalene	10.67	128	21304	0.355	ng	99
10) Hexachlorobutadiene	10.94	225	1597	0.364	ng	97
12) 2-Methylnaphthalene	12.30	142	3196	0.323	ng	97
16) Acenaphthylene	14.21	152	5298	0.336	ng	100
17) Acenaphthene	14.54	154	3044	0.342	ng	99
18) Fluorene	15.53	166	4270	0.334	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	1832	0.345	ng	97
21) Hexachlorobenzene	16.53	284	1862	0.357	ng	98
22) Pentachlorophenol	16.91	266	416	0.412	ng	92
23) Phenanthrene	17.27	178	7595	0.332	ng	99
24) Anthracene	17.36	178	6445	0.306	ng	98
26) Fluoranthene	19.29	202	11755	0.340	ng	99
28) Pyrene	19.66	202	11900	0.358	ng	100
30) Benzo(a)anthracene	21.40	228	15097	0.383	ng	99
31) Chrysene	21.45	228	15559	0.383	ng	96
32) Bis(2-ethylhexyl)phthalate	21.32	149	24567	0.404	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	20413	0.404	ng	99
35) Benzo(b)fluoranthene	23.17	252	16660	0.364	ng	# 86
36) Benzo(k)fluoranthene	23.22	252	18213	0.403	ng	99
37) Benzo(a)pyrene	23.84	252	16835	0.380	ng	# 91
38) Dibenzo(a,h)anthracene	26.68	278	17108	0.373	ng	97
39) Benzo(g,h,i)perylene	27.48	276	17382	0.376	ng	100

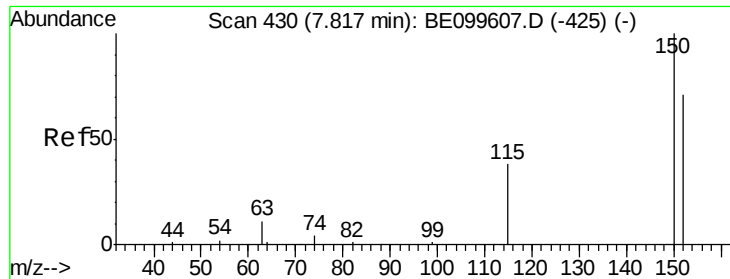
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 14 19:30:50 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

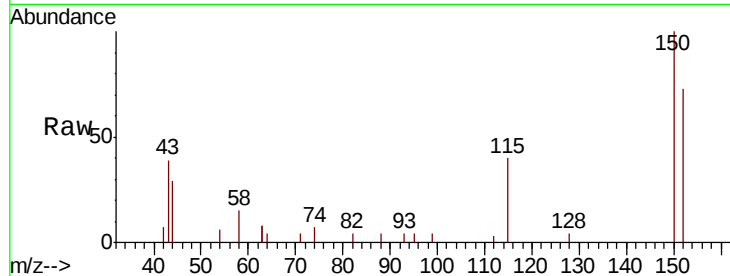
Tgt Ion:152 Resp: 1922

Ion Ratio Lower Upper

152 100

150 137.0 110.1 165.1

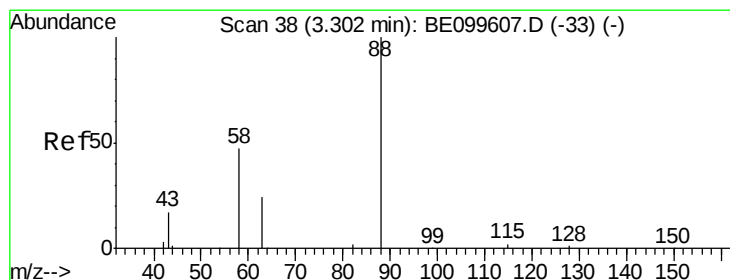
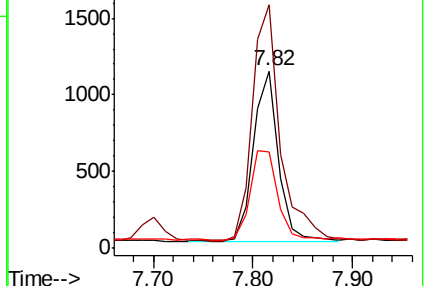
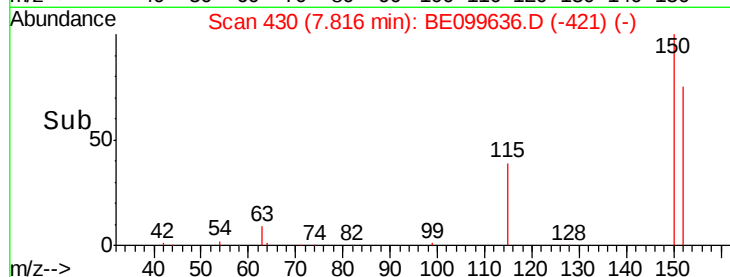
115 54.2 46.2 69.4



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: 0.971 ng

RT: 3.30 min Scan# 38

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

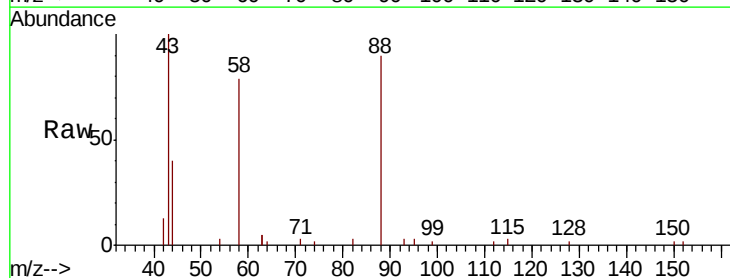
Tgt Ion: 88 Resp: 2752

Ion Ratio Lower Upper

88 100

58 63.4 39.8 59.6#

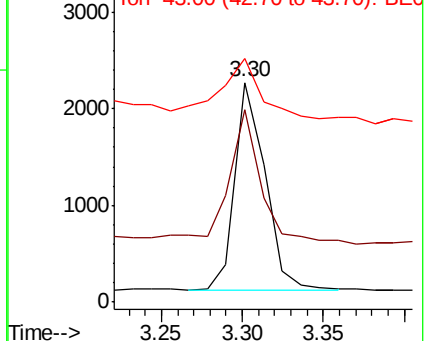
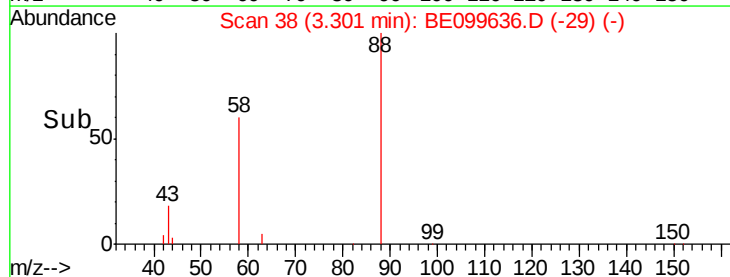
43 40.5 21.0 31.6#

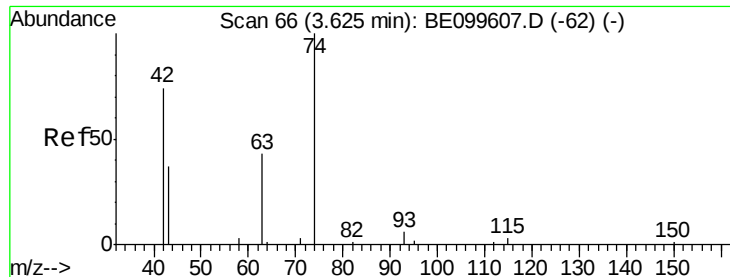


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.319 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

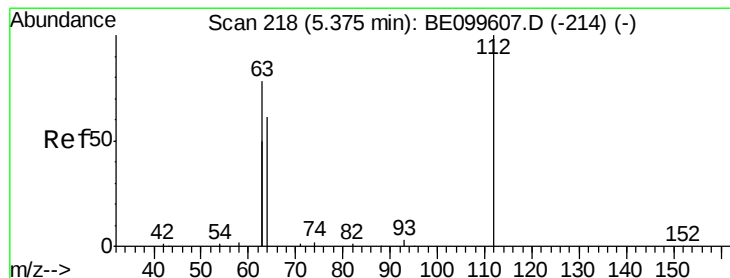
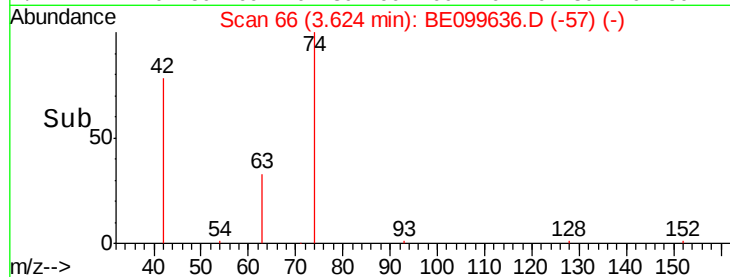
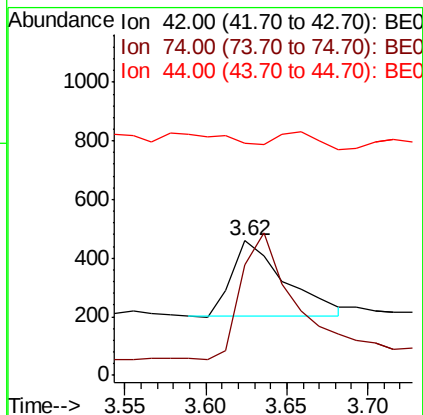
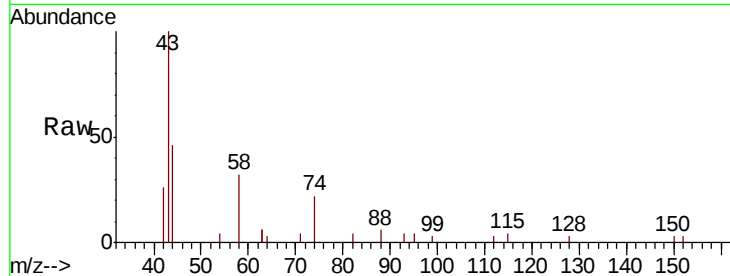
Instrument :

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Tgt Ion:	42	Resp:	577
Ion	Ratio	Lower	Upper
42	100		
74	167.6	134.7	202.1
44	0.0	12.5	18.7#



#4

2-Fluorophenol

Concen: 0.275 ng

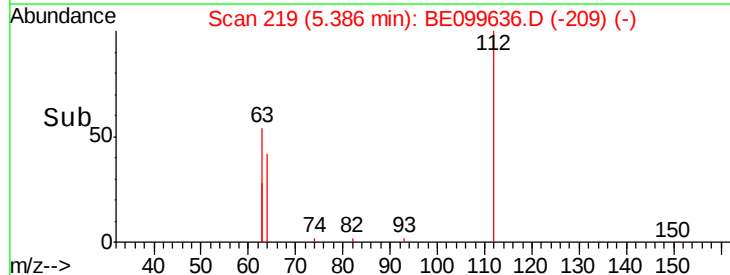
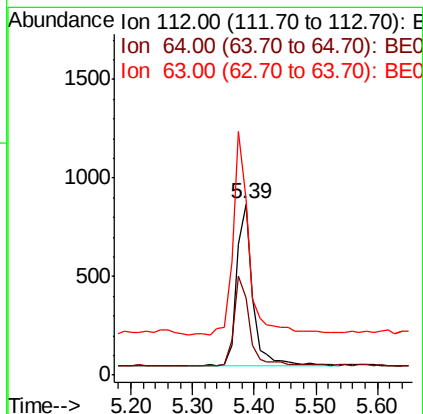
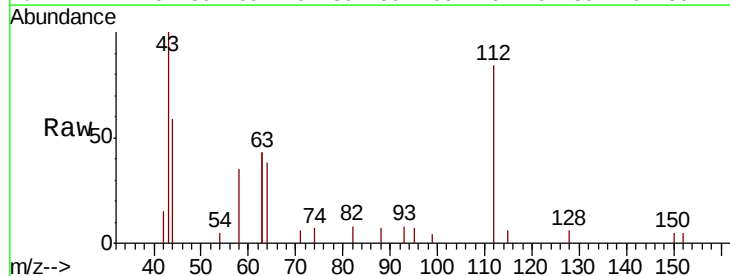
RT: 5.39 min Scan# 219

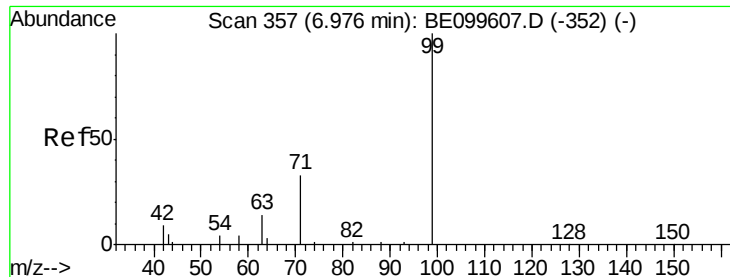
Delta R.T. 0.01 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Tgt Ion:	112	Resp:	1501
Ion	Ratio	Lower	Upper
112	100		
64	56.4	43.7	65.5
63	123.9	94.0	141.0





#5

Phenol-d6

Concen: 0.272 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

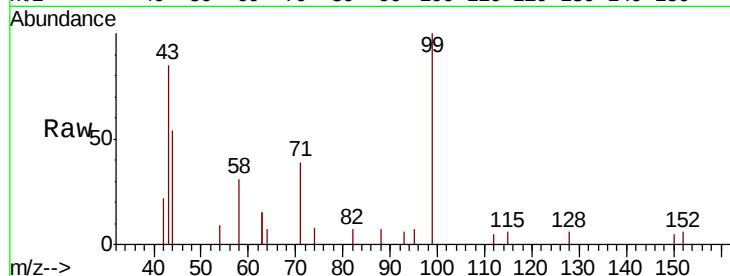
Tgt Ion: 99 Resp: 1884

Ion Ratio Lower Upper

99 100

42 15.0 14.3 21.5

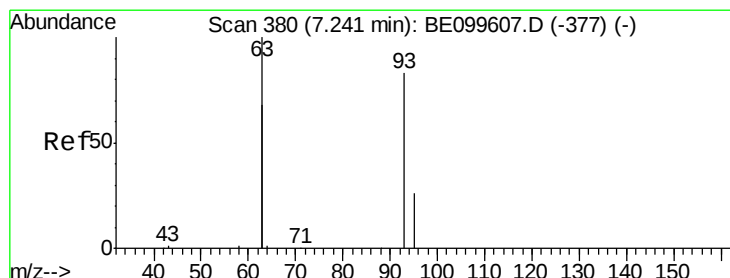
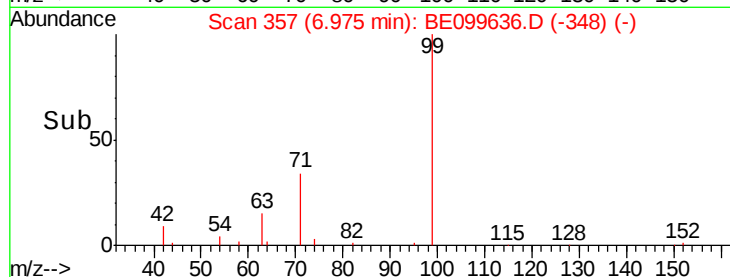
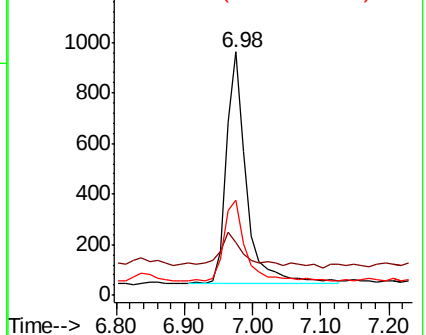
71 37.5 33.1 49.7



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: 0.302 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

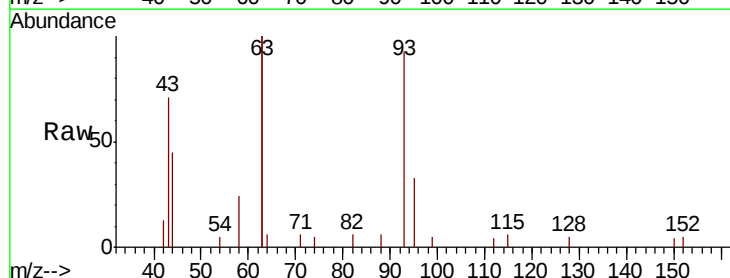
Tgt Ion: 93 Resp: 1756

Ion Ratio Lower Upper

93 100

63 266.4 201.0 301.4

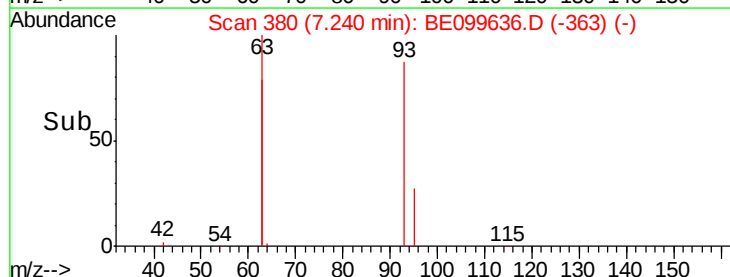
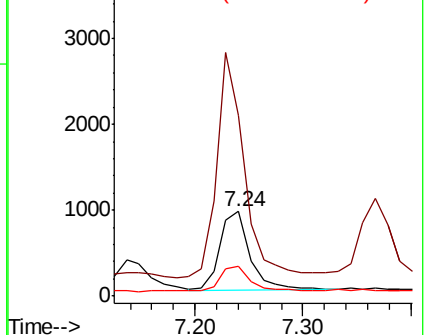
95 31.5 25.0 37.4



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

Tgt Ion:136 Resp: 5636

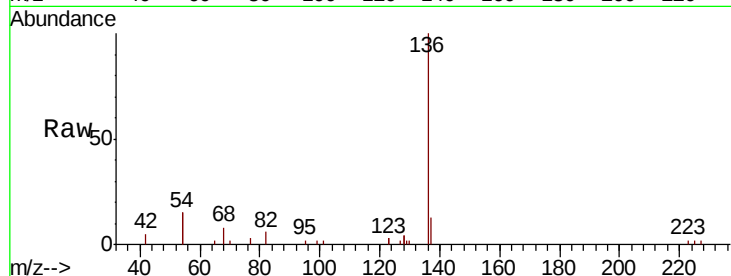
Ion Ratio Lower Upper

136 100

137 12.5 9.7 14.5

54 29.5 23.8 35.8

68 7.6 6.2 9.2

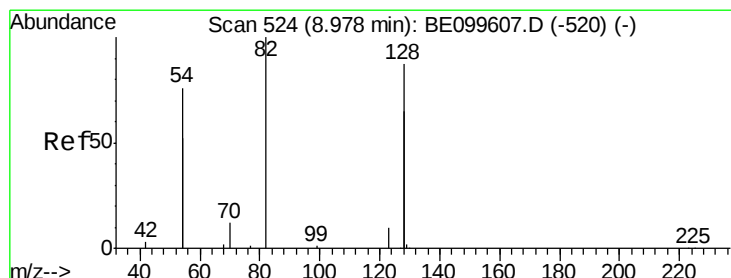
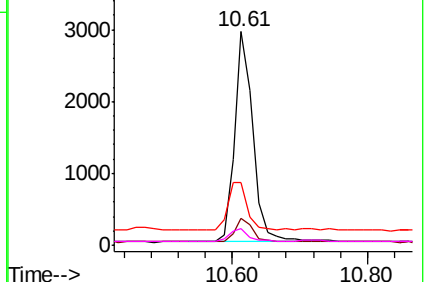
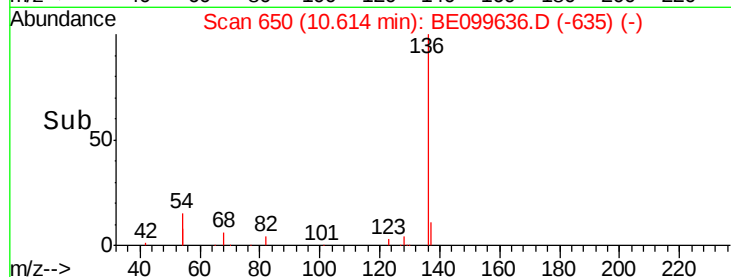


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.313 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

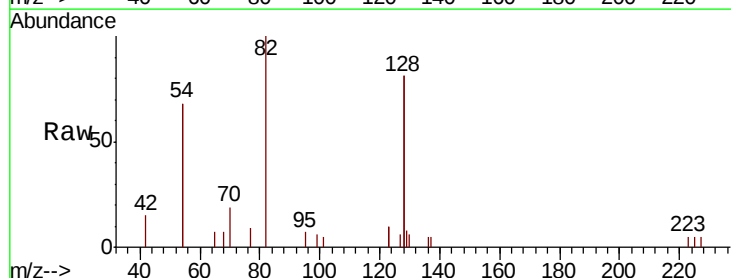
Tgt Ion: 82 Resp: 1706

Ion Ratio Lower Upper

82 100

128 161.8 131.4 197.2

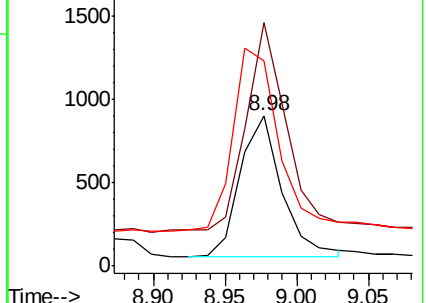
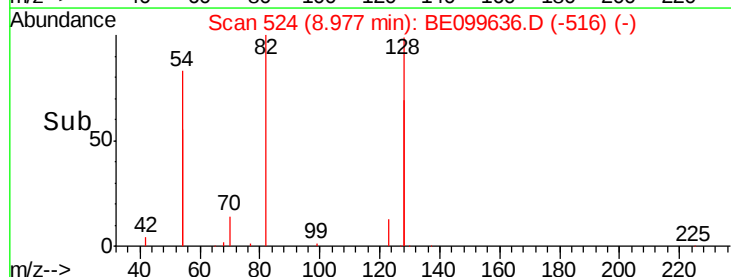
54 136.7 113.9 170.9

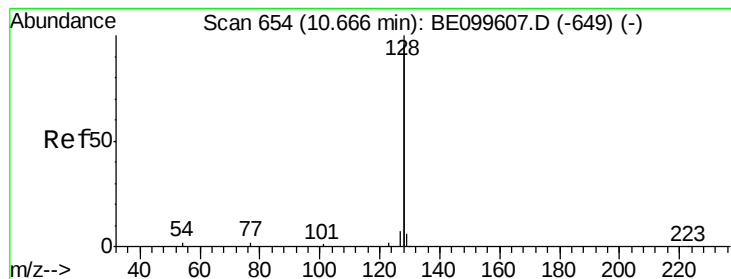


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.355 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE099636.D

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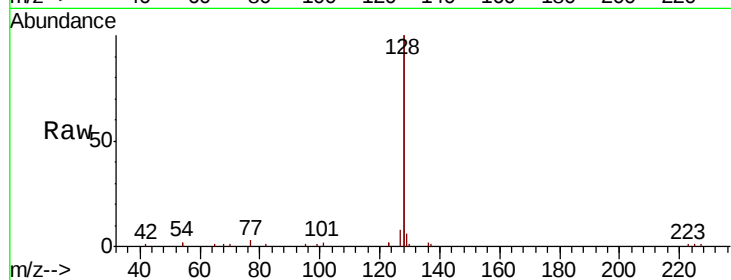
Tgt Ion:128 Resp: 21304

Ion Ratio Lower Upper

128 100

129 3.0 2.6 4.0

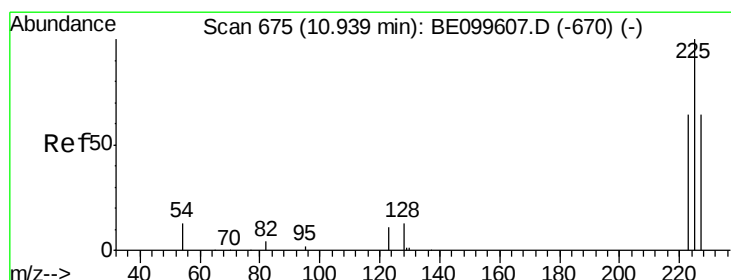
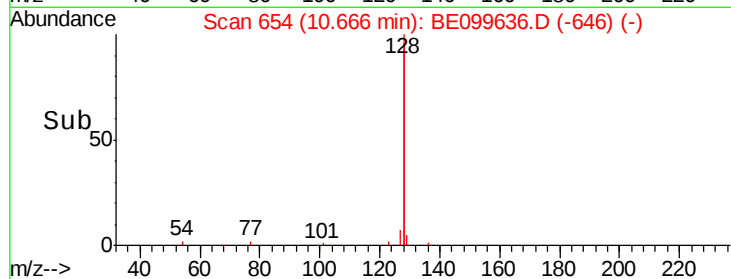
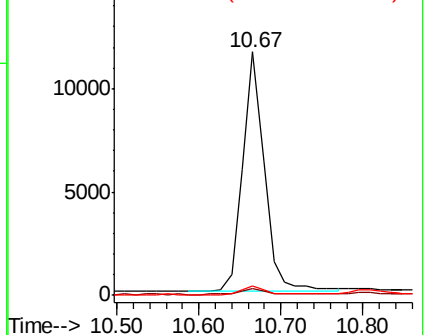
127 3.8 3.0 4.6



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: 0.364 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

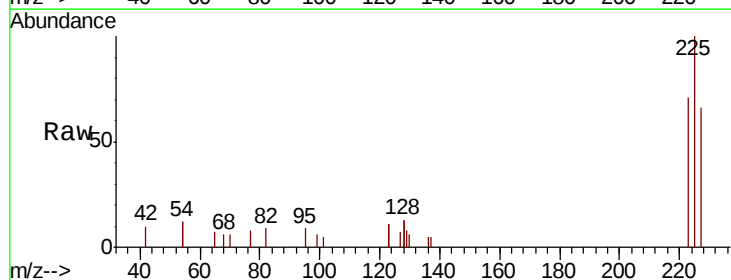
Tgt Ion:225 Resp: 1597

Ion Ratio Lower Upper

225 100

223 65.9 49.8 74.8

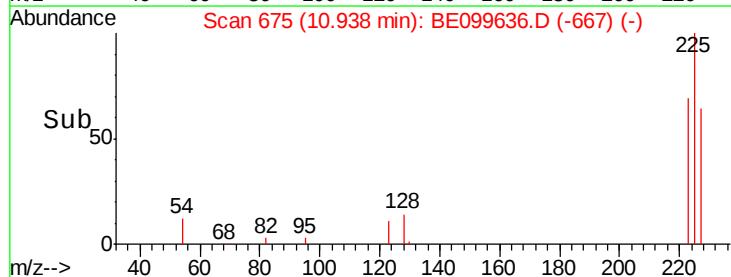
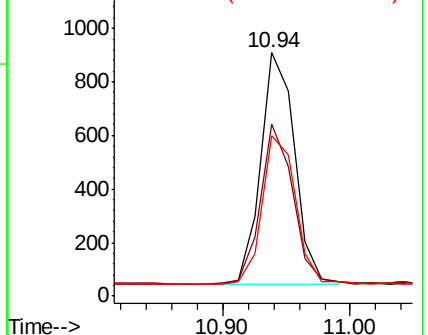
227 63.3 51.2 76.8

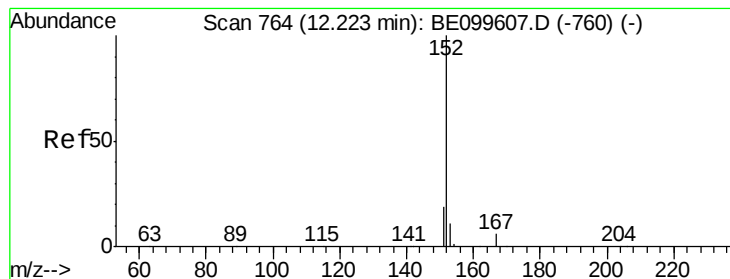


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.421 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

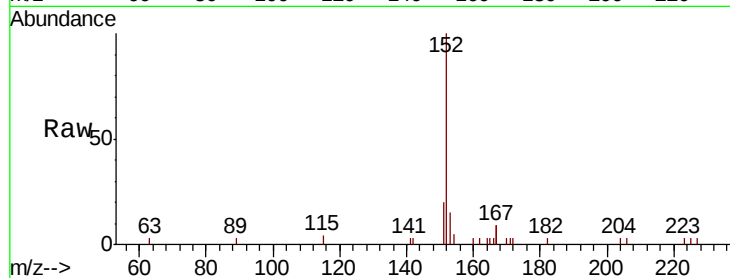
PB119714BS

Tgt Ion:152 Resp: 3988

Ion Ratio Lower Upper

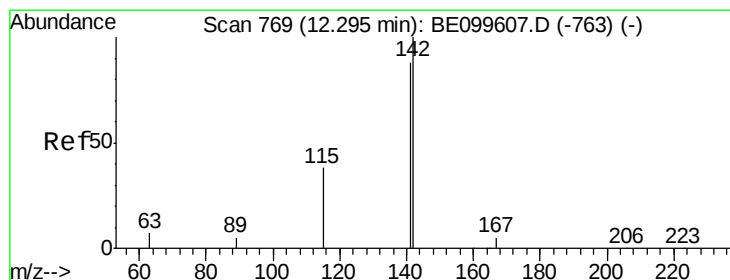
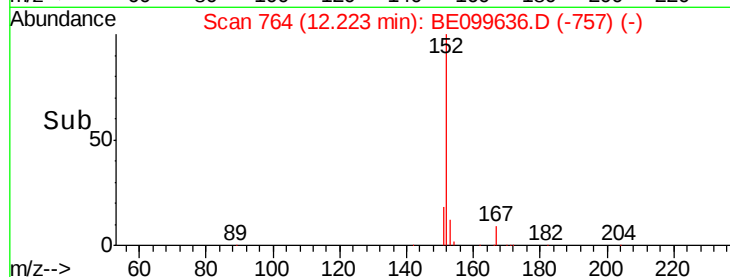
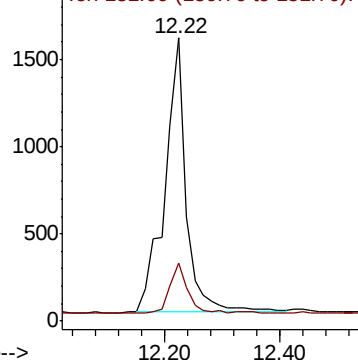
152 100

151 14.8 15.3 22.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.323 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

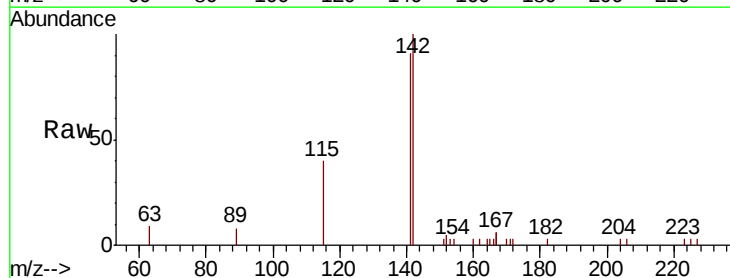
Tgt Ion:142 Resp: 3196

Ion Ratio Lower Upper

142 100

141 91.5 70.4 105.6

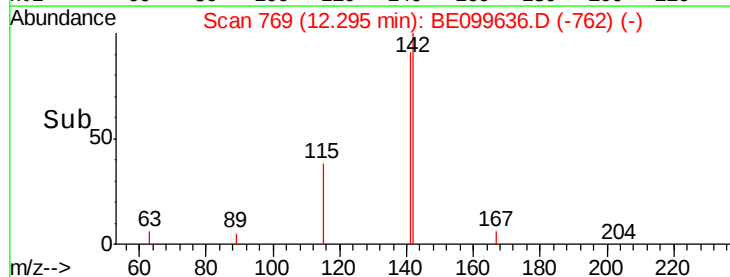
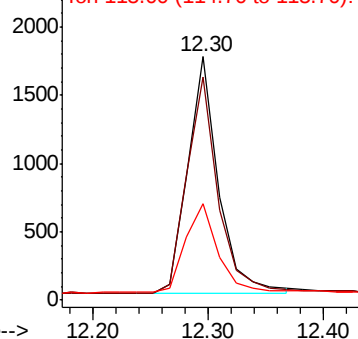
115 39.6 32.2 48.4

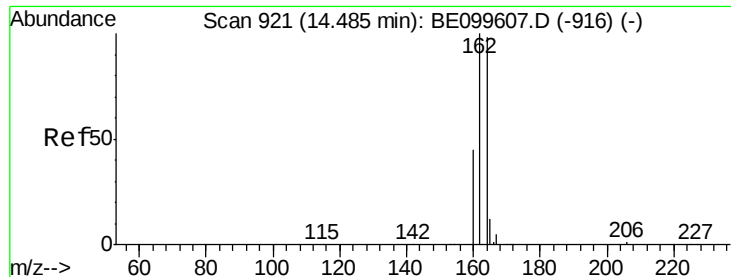


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

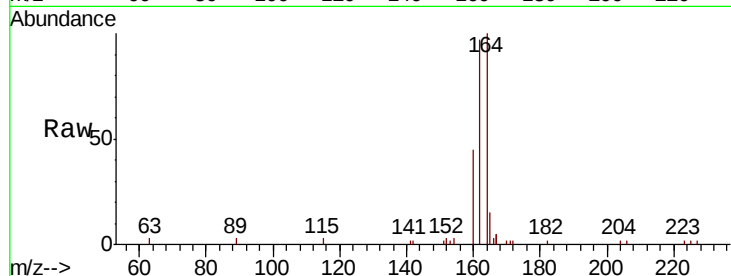




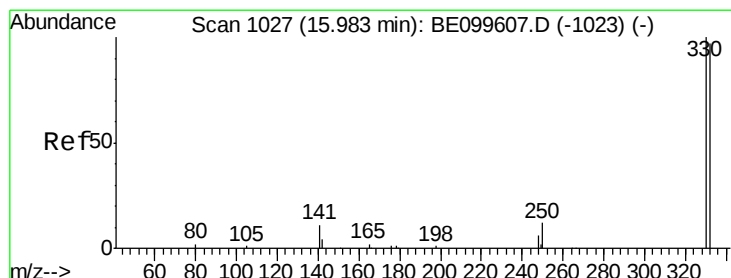
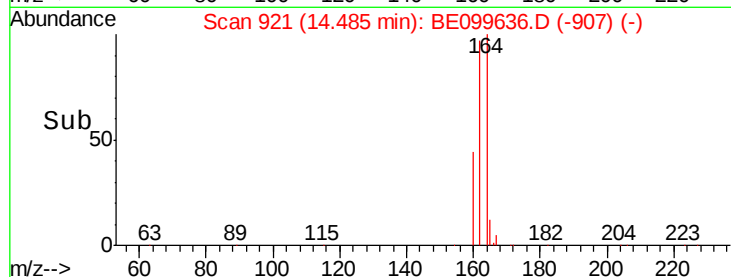
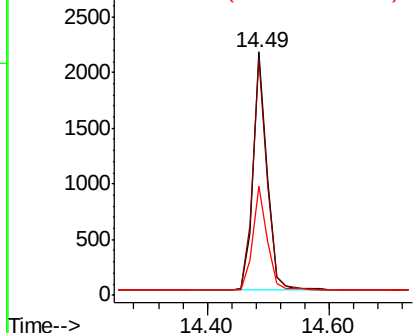
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099636.D
Acq: 16 May 2019 23:52

Instrument :
BNA_E
ClientSampleId :
PB119714BS

Tgt Ion:164 Resp: 3344
Ion Ratio Lower Upper
164 100
162 97.4 81.4 122.0
160 44.9 37.4 56.2

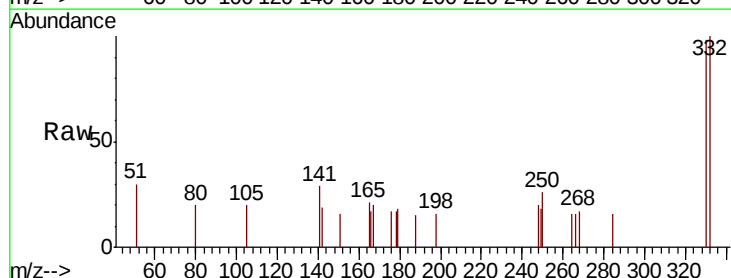


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

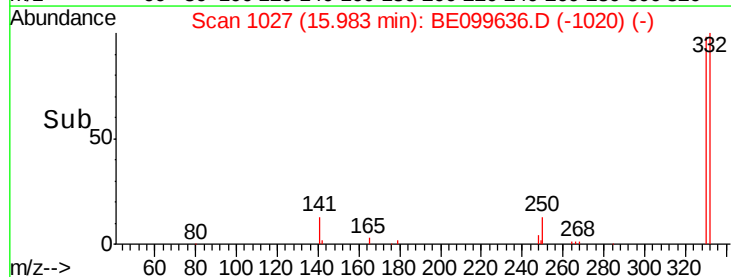
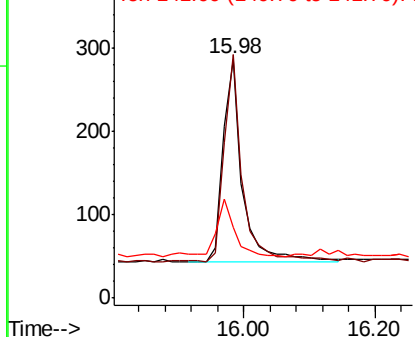


#14
2,4,6-Tribromophenol
Concen: 0.224 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE099636.D
Acq: 16 May 2019 23:52

Tgt Ion:330 Resp: 512
Ion Ratio Lower Upper
330 100
332 92.2 73.8 110.8
141 24.6 21.0 31.6



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

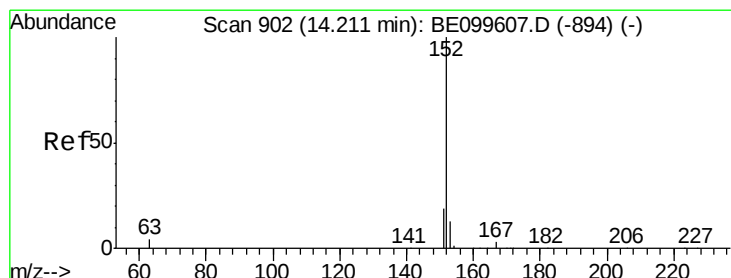
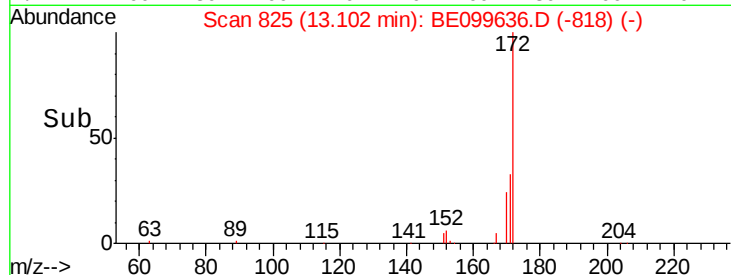
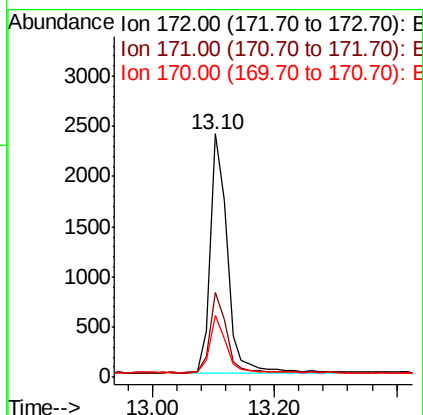
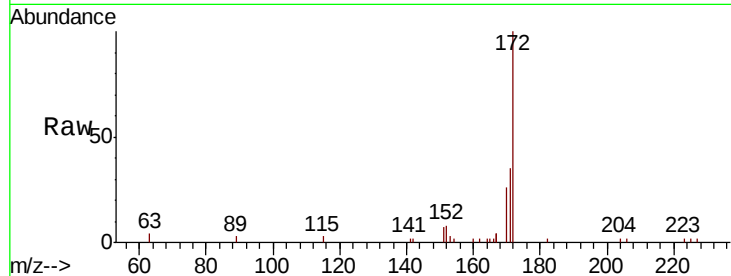




#15
 2-Fluorobiphenyl
 Concen: 0.357 ng
 RT: 13.10 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BE099636.D
 Acq: 16 May 2019 23:52

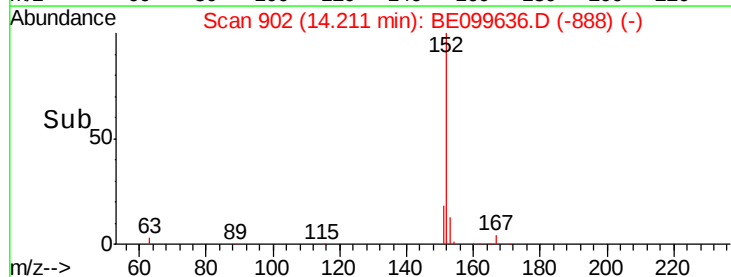
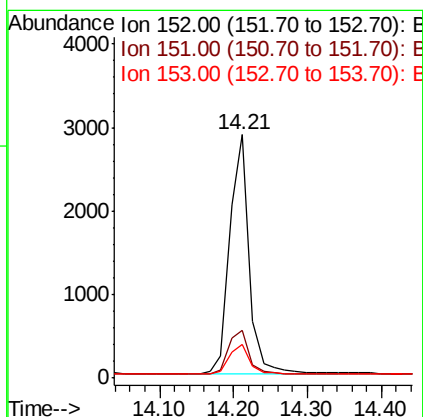
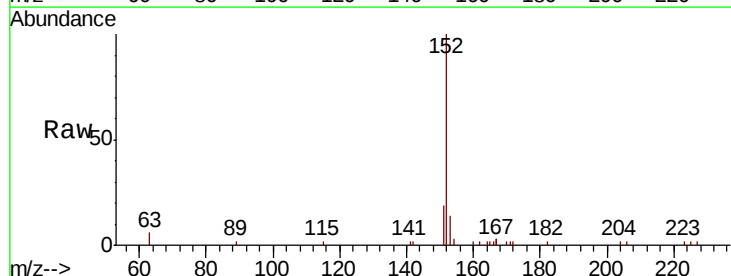
Instrument :
 BNA_E
 ClientSampleId :
 PB119714BS

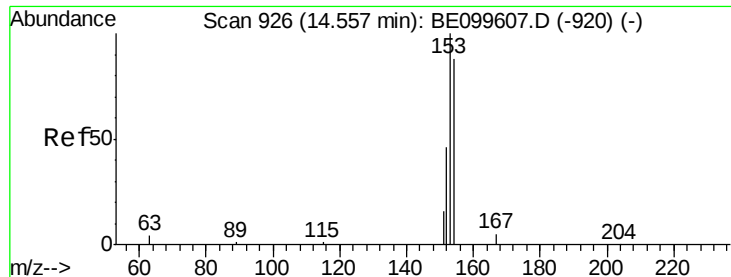
Tgt Ion:172 Resp: 4594
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.4 44.2
 170 25.6 21.5 32.3



#16
 Acenaphthylene
 Concen: 0.336 ng
 RT: 14.21 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: BE099636.D
 Acq: 16 May 2019 23:52

Tgt Ion:152 Resp: 5298
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.6 23.4
 153 13.3 10.4 15.6

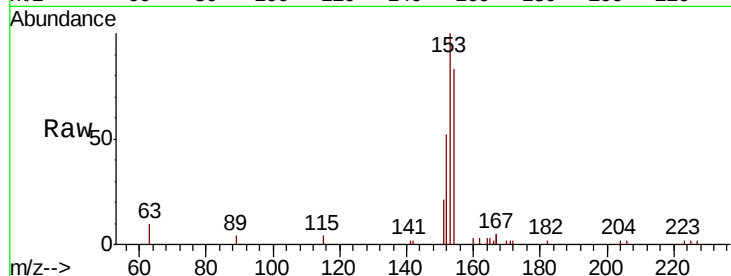




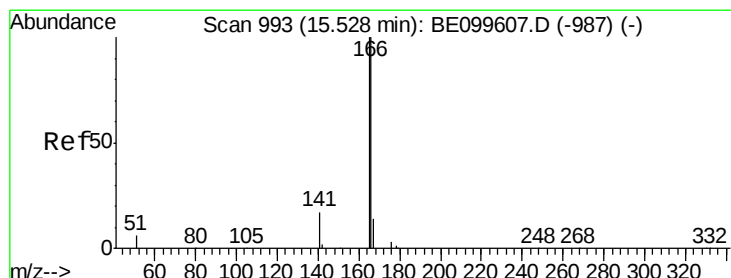
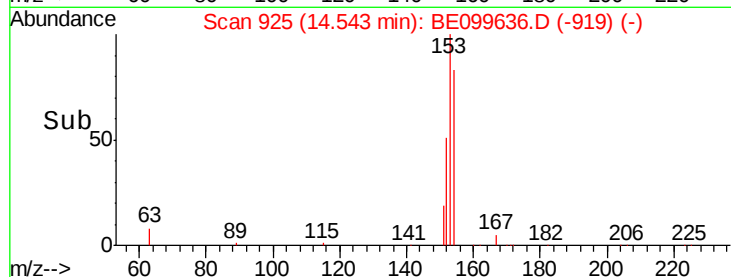
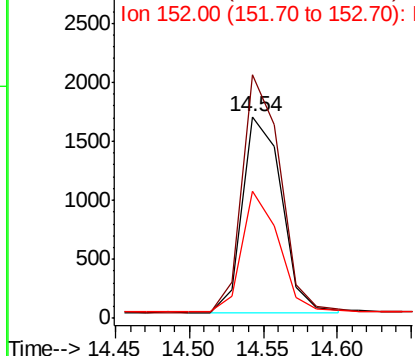
#17
Acenaphthene
Concen: 0.342 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.01 min
Lab File: BE099636.D
Acq: 16 May 2019 23:52

Instrument :
BNA_E
ClientSampleId :
PB119714BS

Tgt Ion:154 Resp: 3044
Ion Ratio Lower Upper
154 100
153 118.7 94.1 141.1
152 58.2 46.5 69.7

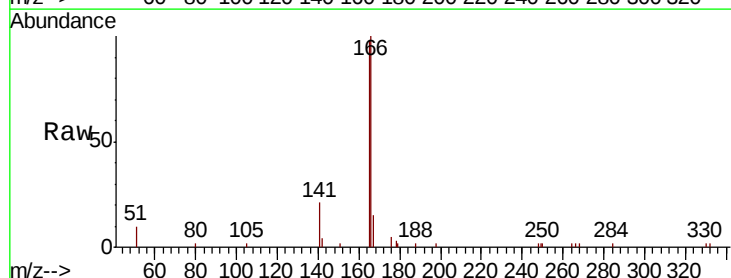


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

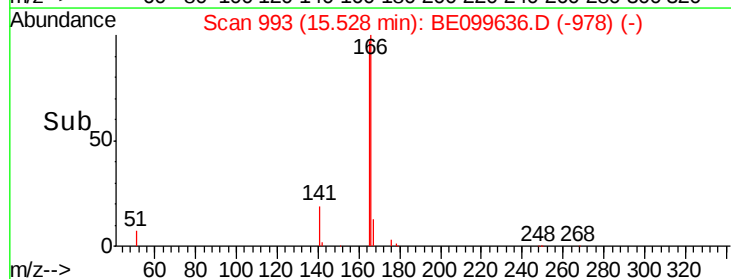
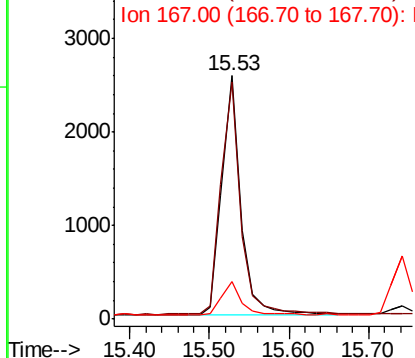


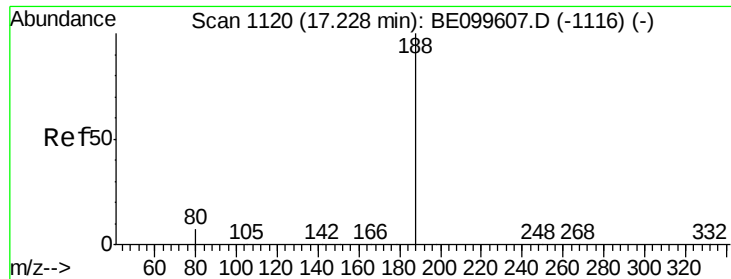
#18
Fluorene
Concen: 0.334 ng
RT: 15.53 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE099636.D
Acq: 16 May 2019 23:52

Tgt Ion:166 Resp: 4270
Ion Ratio Lower Upper
166 100
165 99.5 79.8 119.8
167 13.7 11.2 16.8



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: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

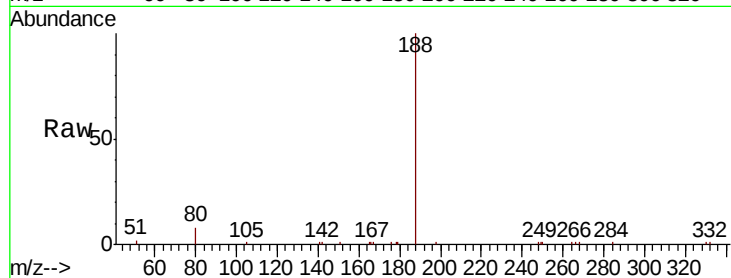
Tgt Ion:188 Resp: 9204

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

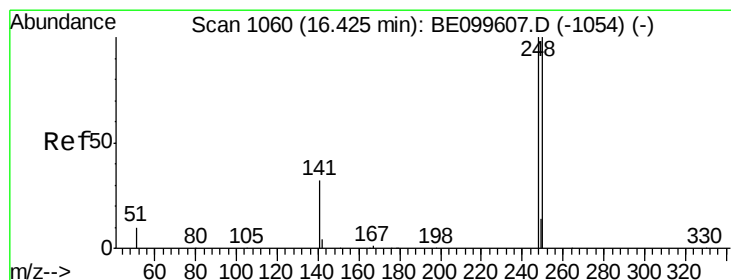
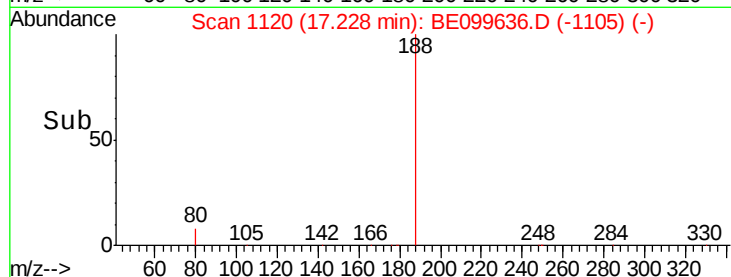
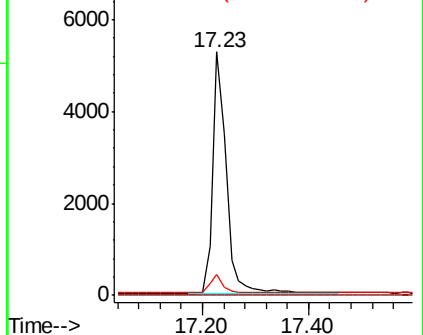
80 8.5 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.345 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

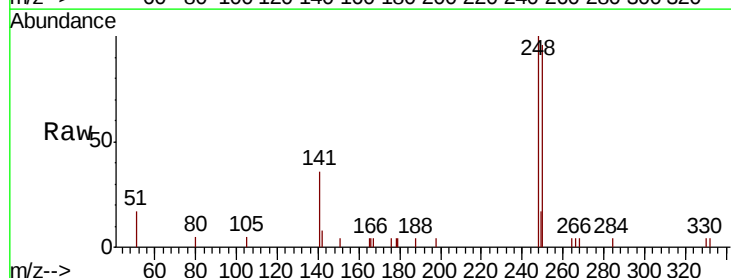
Tgt Ion:248 Resp: 1832

Ion Ratio Lower Upper

248 100

250 96.5 80.4 120.6

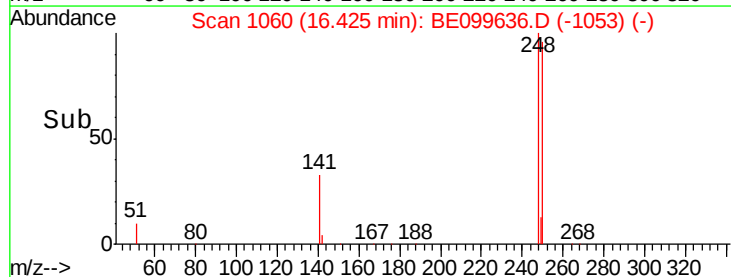
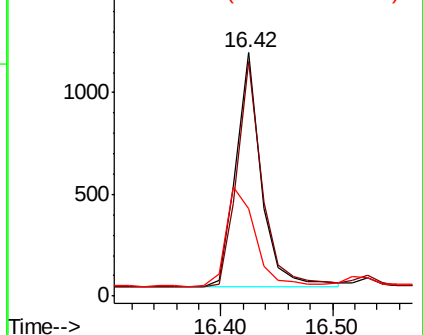
141 35.8 27.8 41.8

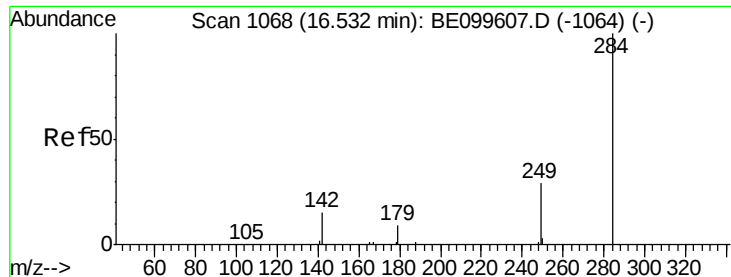


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.357 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

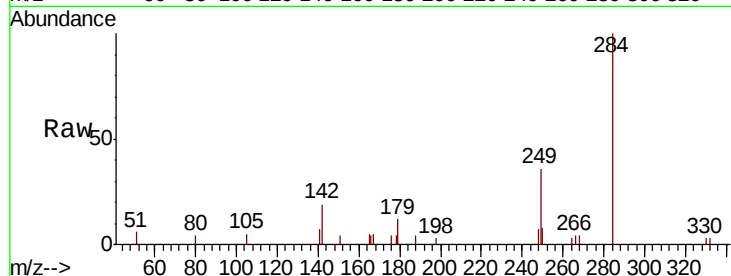
Tgt Ion:284 Resp: 1862

Ion Ratio Lower Upper

284 100

142 24.2 19.4 29.2

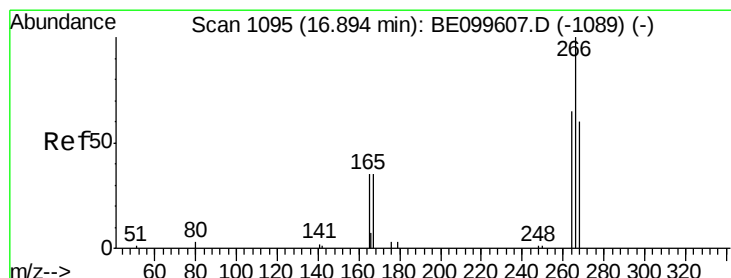
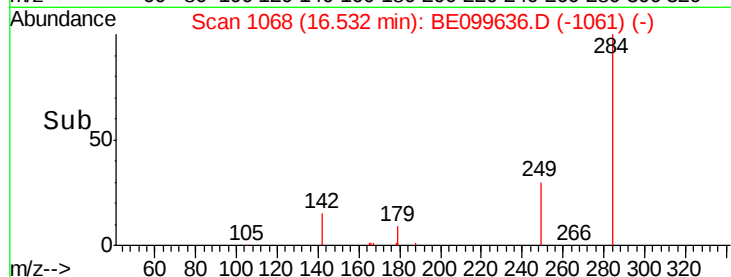
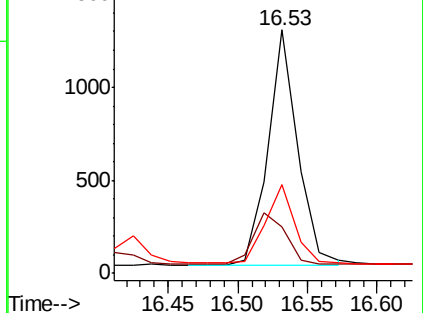
249 32.6 24.6 37.0



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: 0.412 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

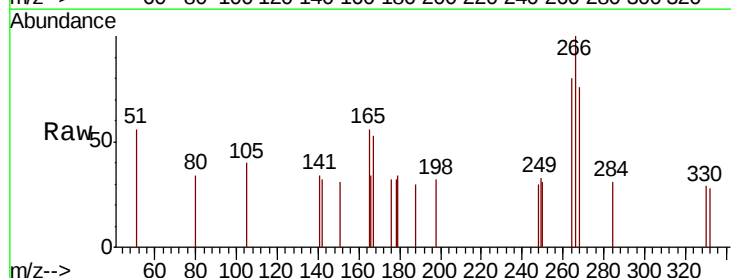
Tgt Ion:266 Resp: 416

Ion Ratio Lower Upper

266 100

264 79.9 57.7 86.5

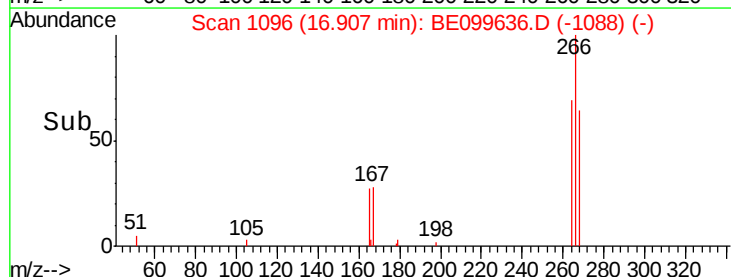
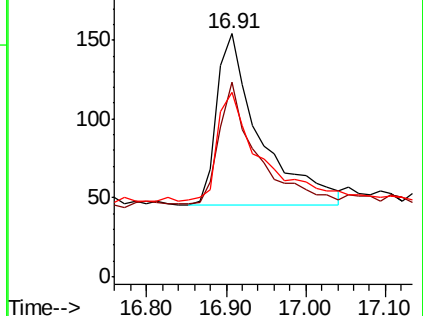
268 76.0 55.8 83.8

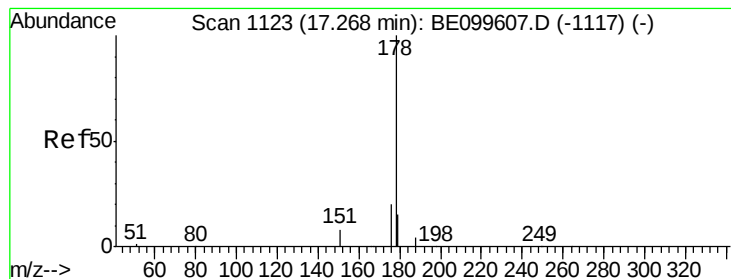


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.332 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

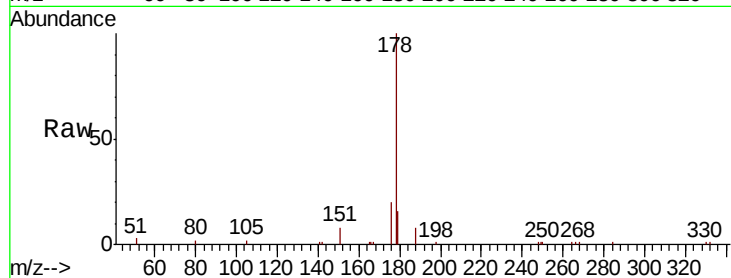
Tgt Ion:178 Resp: 7595

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

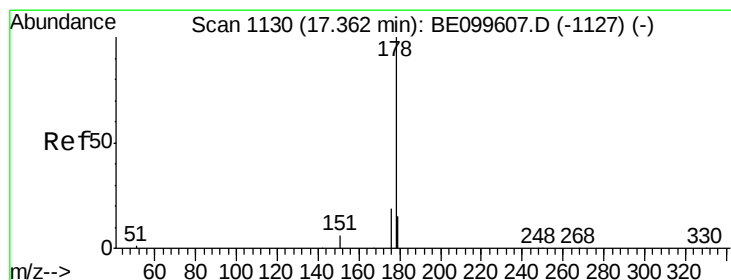
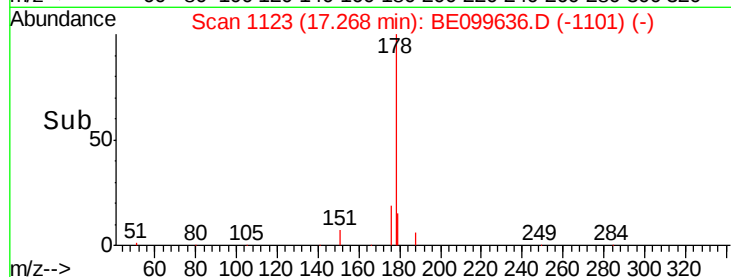
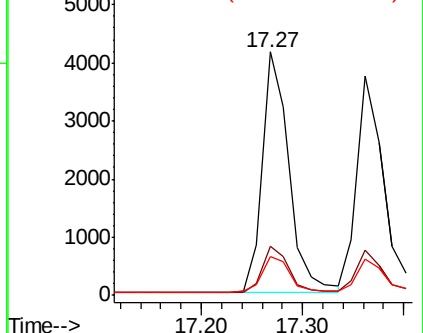
179 15.6 12.2 18.2



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: 0.306 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

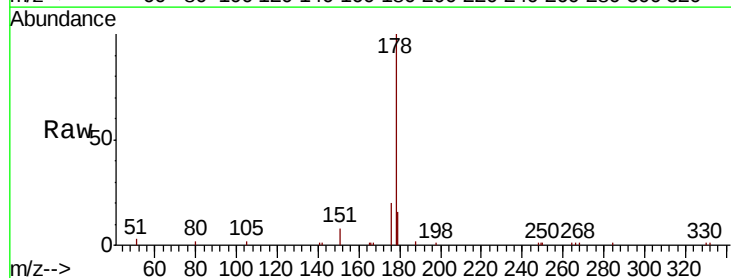
Tgt Ion:178 Resp: 6445

Ion Ratio Lower Upper

178 100

176 19.5 15.2 22.8

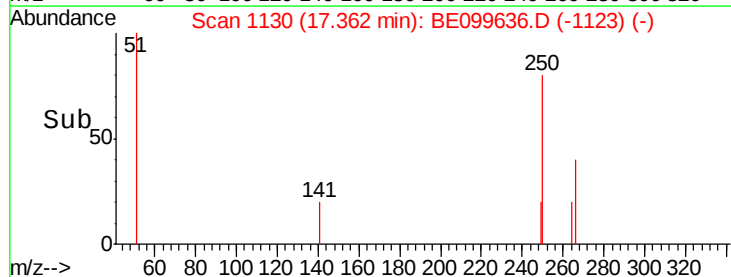
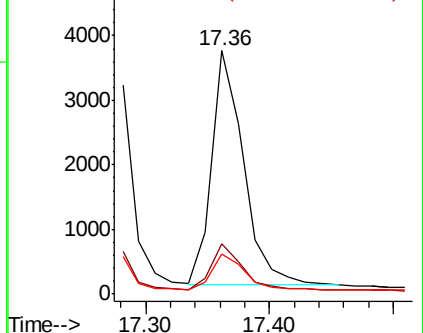
179 16.2 12.1 18.1



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





#25

Fluoranthene-d10

Concen: 0.332 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

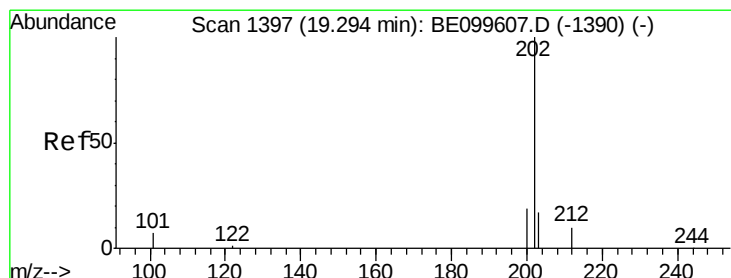
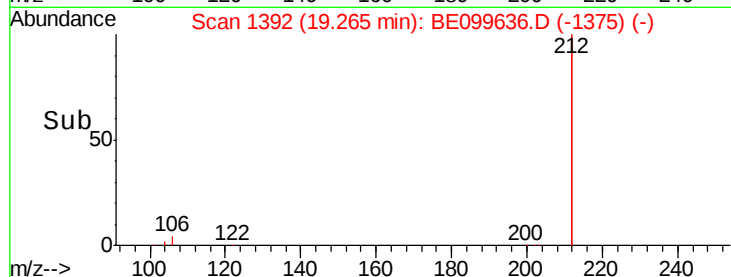
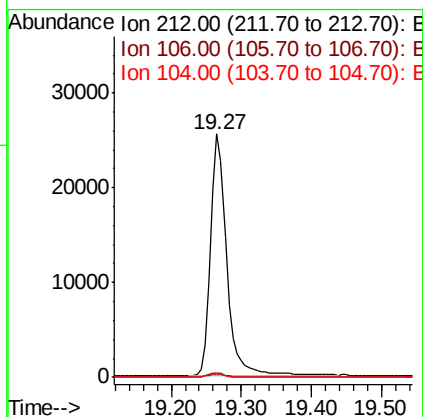
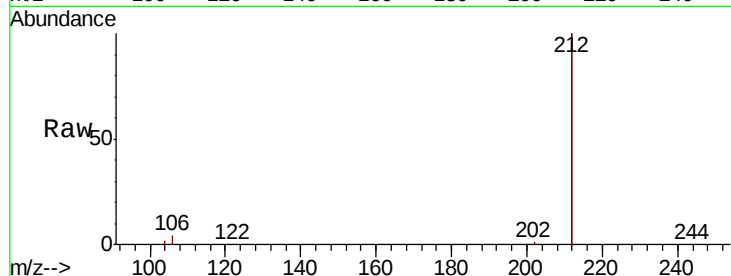
Instrument :

BNA_E

ClientSampleId :

PB119714BS

Tgt Ion:	212	Resp:	40625
Ion	Ratio	Lower	Upper
212	100		
106	2.0	1.4	2.2
104	1.0	0.9	1.3



#26

Fluoranthene

Concen: 0.340 ng

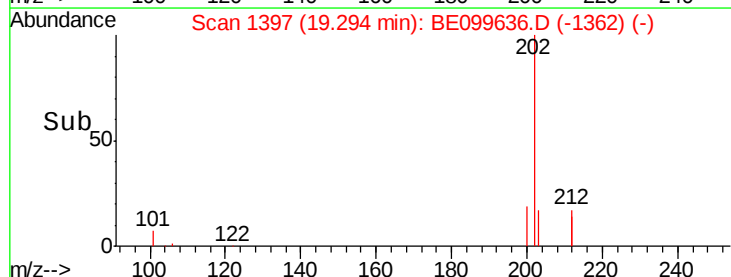
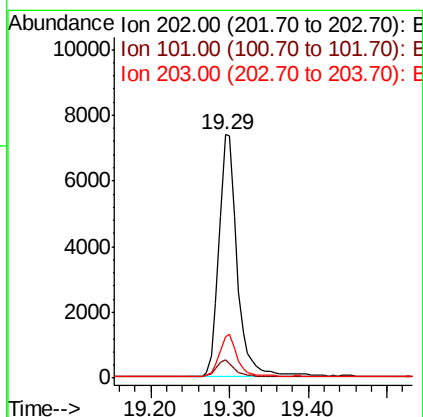
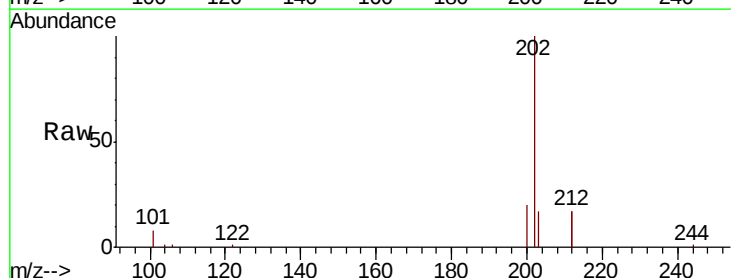
RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Tgt Ion:	202	Resp:	11755
Ion	Ratio	Lower	Upper
202	100		
101	6.8	5.0	7.6
203	16.9	13.7	20.5

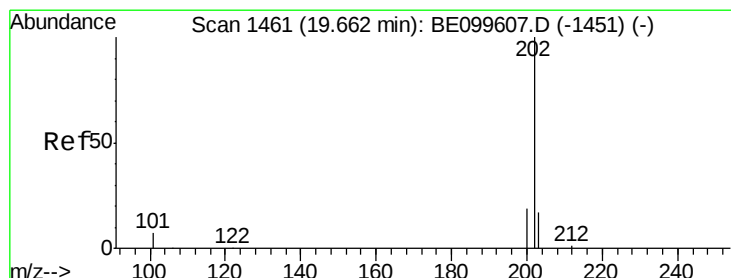
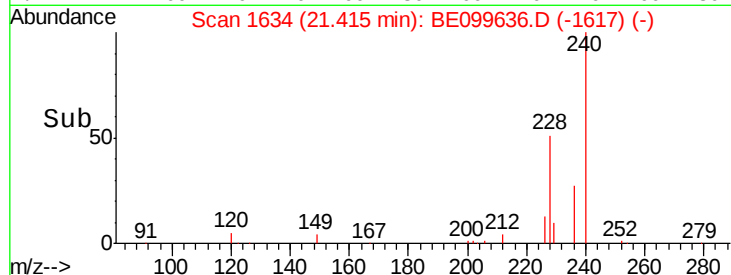
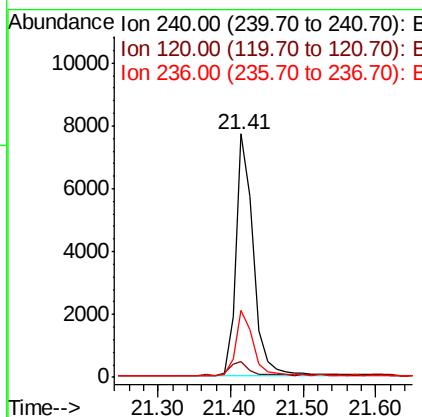
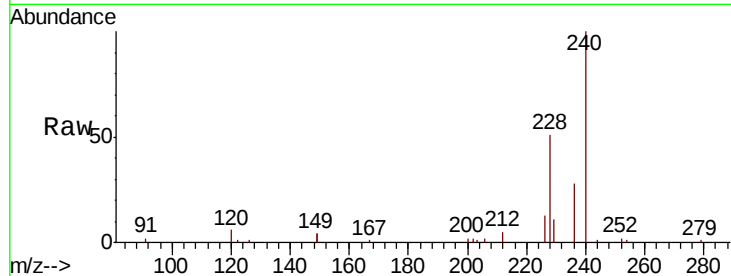




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099636.D
 Acq: 16 May 2019 23:52

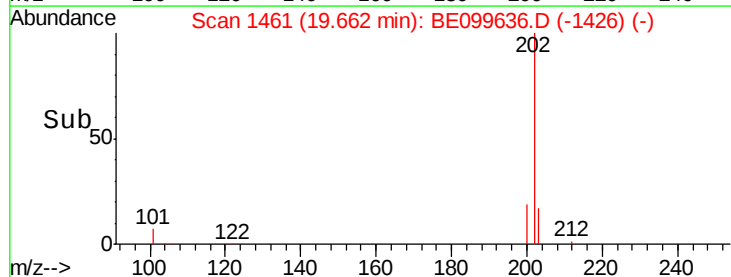
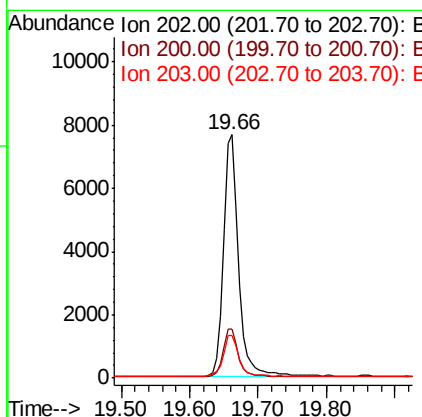
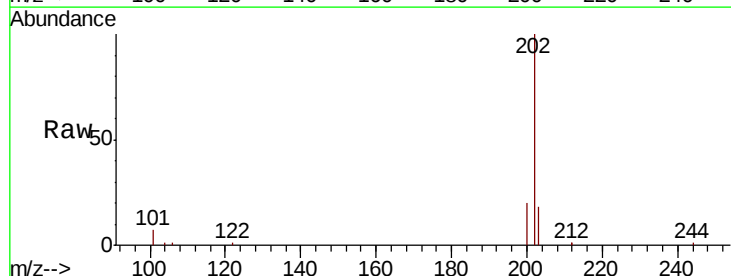
Instrument :
 BNA_E
 ClientSampleId :
 PB119714BS

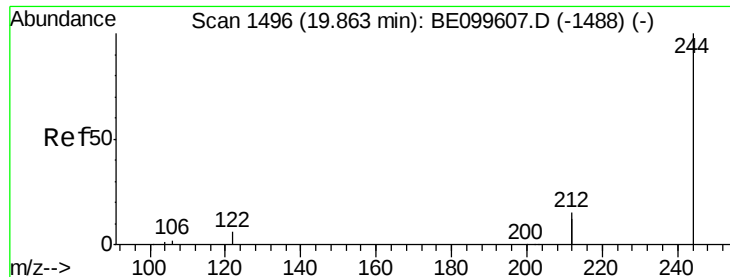
Tgt Ion:240 Resp: 13049
 Ion Ratio Lower Upper
 240 100
 120 6.3 5.7 8.5
 236 27.5 22.8 34.2



#28
 Pyrene
 Concen: 0.358 ng
 RT: 19.66 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: BE099636.D
 Acq: 16 May 2019 23:52

Tgt Ion:202 Resp: 11900
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.8 23.6
 203 17.8 14.1 21.1





#29

Terphenyl-d14

Concen: 0.367 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

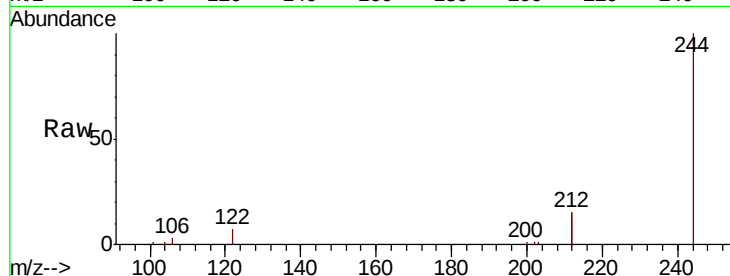
Tgt Ion:244 Resp: 8628

Ion Ratio Lower Upper

244 100

212 30.9 23.8 35.6

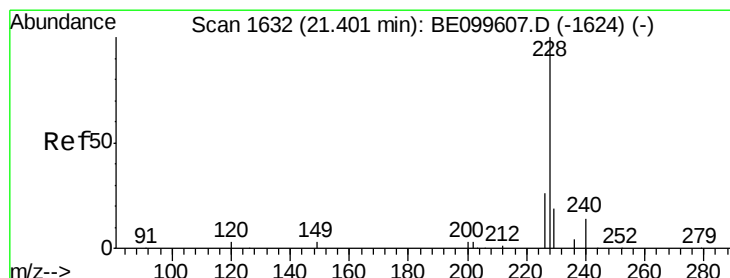
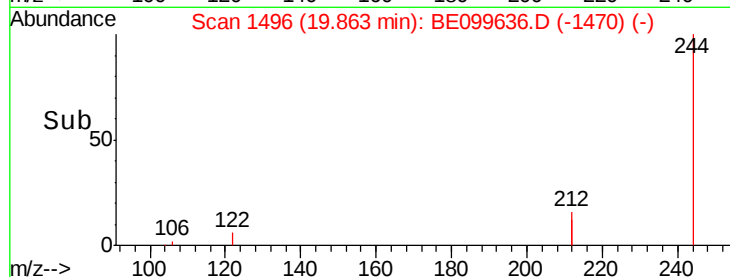
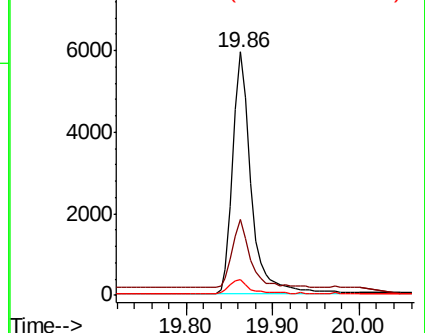
122 6.6 5.0 7.6



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: 0.383 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

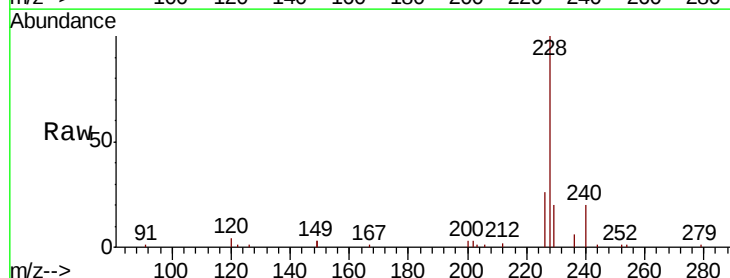
Tgt Ion:228 Resp: 15097

Ion Ratio Lower Upper

228 100

226 26.3 21.4 32.2

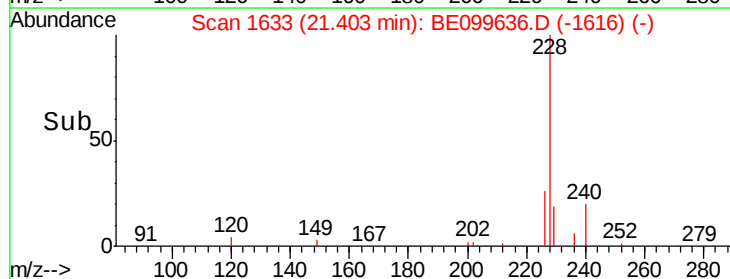
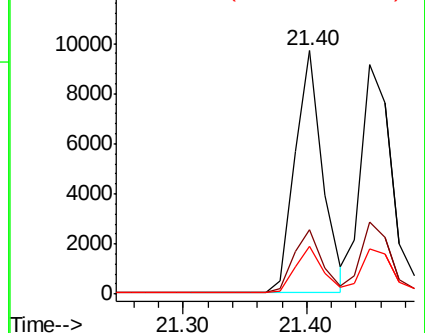
229 19.6 15.8 23.8

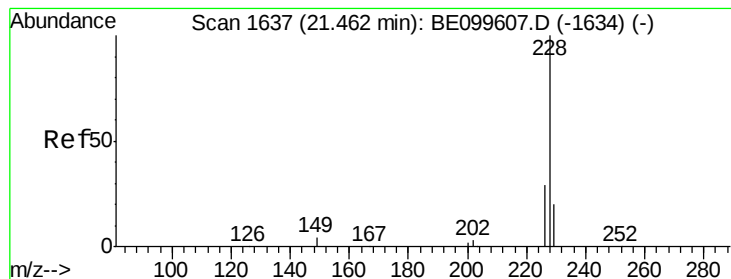


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.383 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

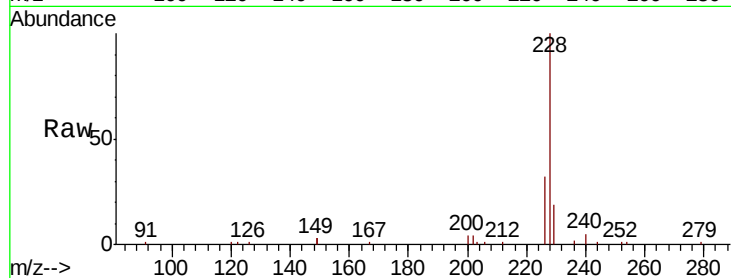
Tgt Ion:228 Resp: 15559

Ion Ratio Lower Upper

228 100

226 31.5 23.0 34.4

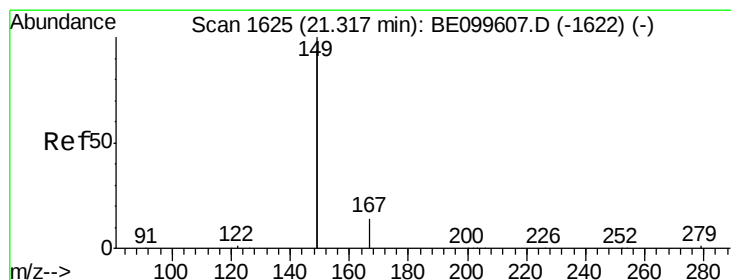
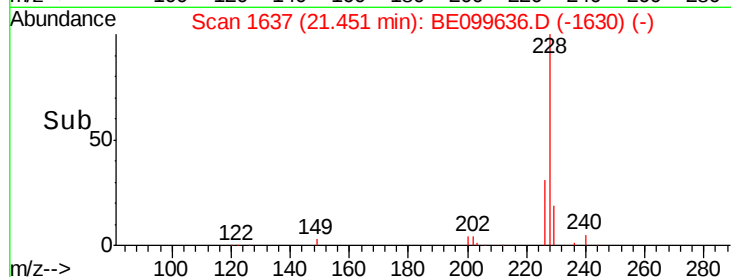
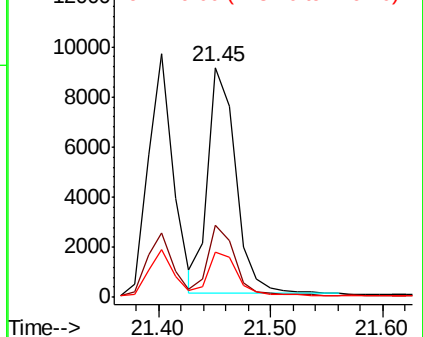
229 19.5 16.4 24.6



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: 0.404 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

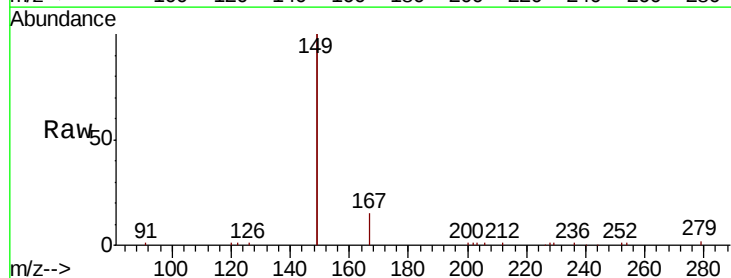
Tgt Ion:149 Resp: 24567

Ion Ratio Lower Upper

149 100

167 7.3 6.0 9.0

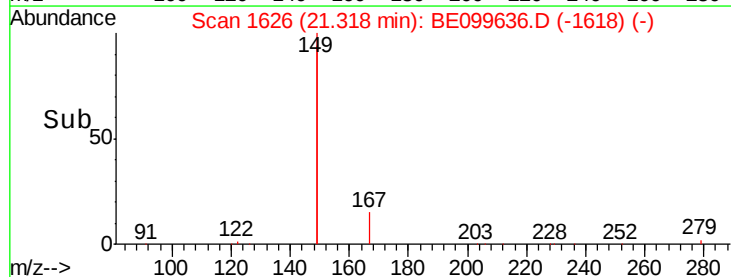
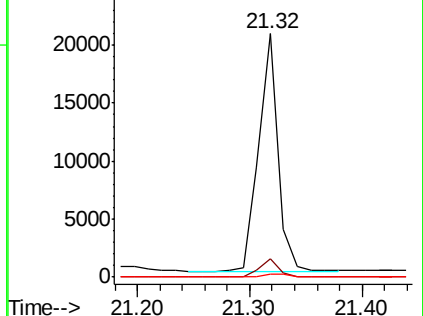
279 1.4 1.1 1.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.404 ng

RT: 26.65 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

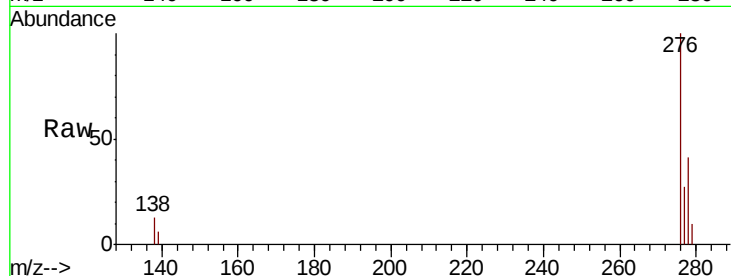
Tgt Ion:276 Resp: 20413

Ion Ratio Lower Upper

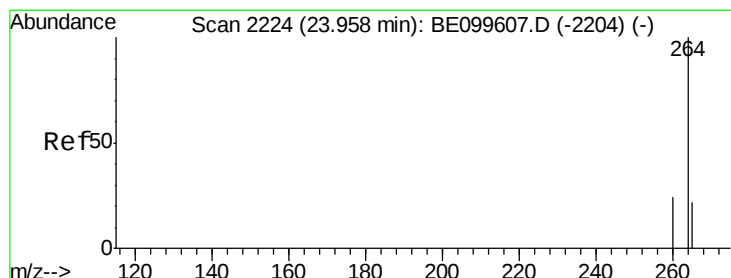
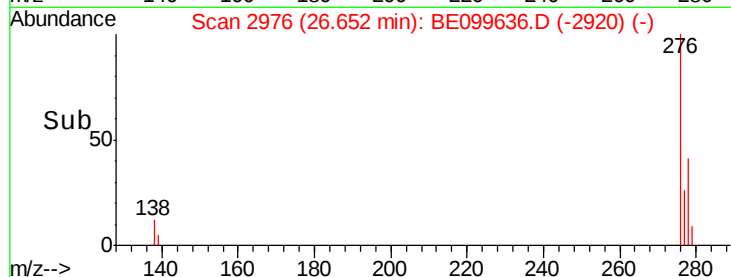
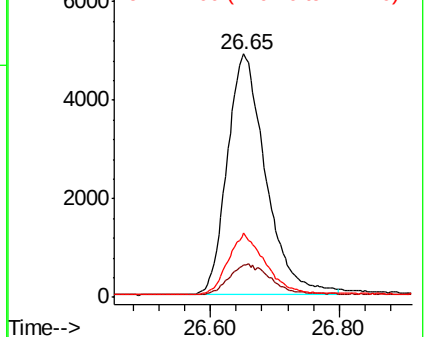
276 100

138 13.4 10.0 15.0

277 24.3 19.1 28.7



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: 23.96 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

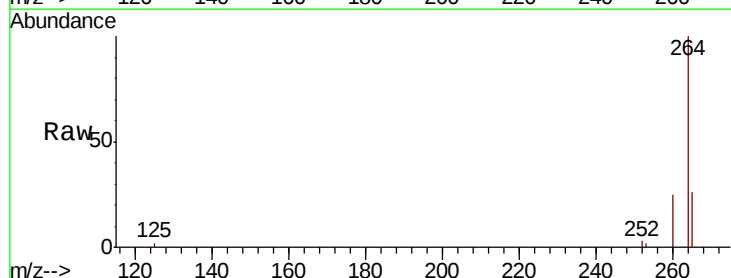
Tgt Ion:264 Resp: 16349

Ion Ratio Lower Upper

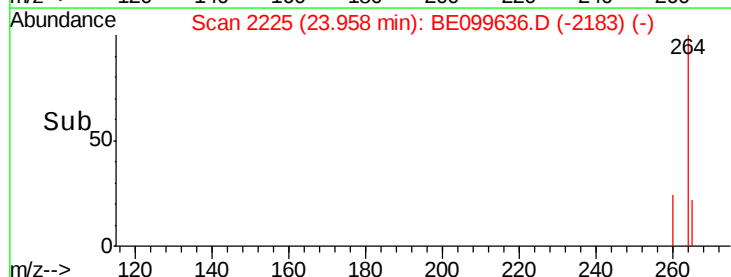
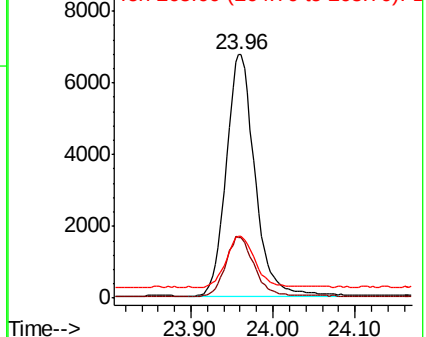
264 100

260 25.0 19.7 29.5

265 25.6 21.2 31.8



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: 0.364 ng

RT: 23.17 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

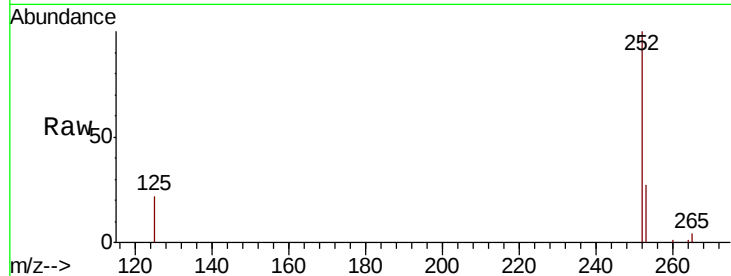
Tgt Ion:252 Resp: 16660

Ion Ratio Lower Upper

252 100

253 27.2 19.1 28.7

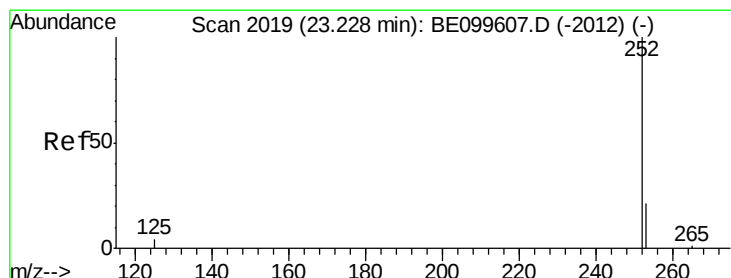
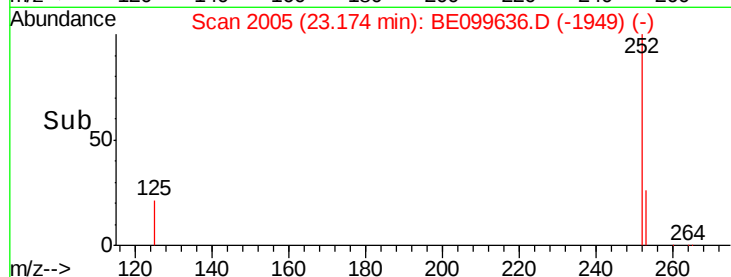
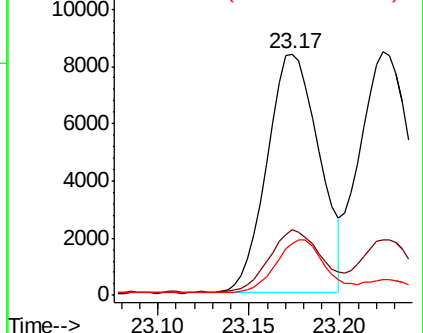
125 21.6 7.8 11.8#



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



#36

Benzo(k)fluoranthene

Concen: 0.403 ng

RT: 23.22 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

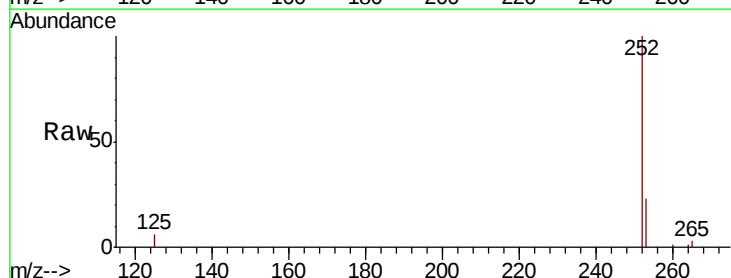
Tgt Ion:252 Resp: 18213

Ion Ratio Lower Upper

252 100

253 22.7 18.6 28.0

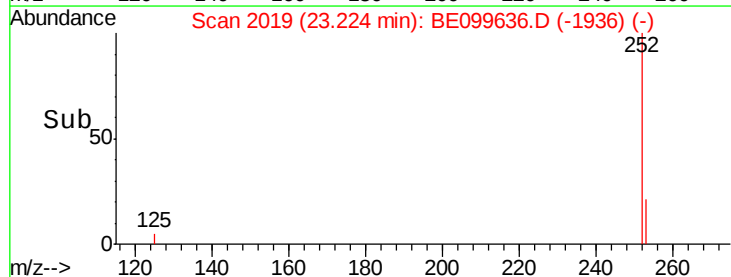
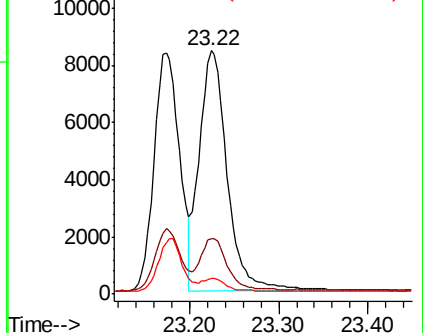
125 6.4 5.2 7.8



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: 0.380 ng

RT: 23.84 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

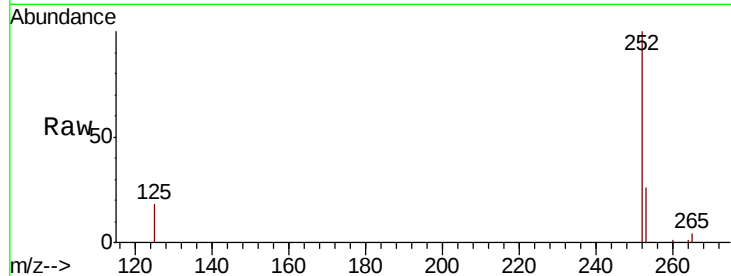
Tgt Ion:252 Resp: 16835

Ion Ratio Lower Upper

252 100

253 25.7 19.0 28.6

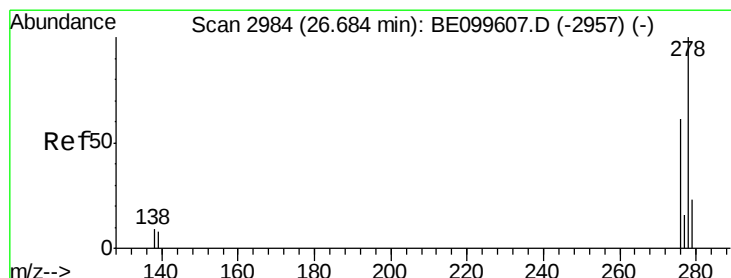
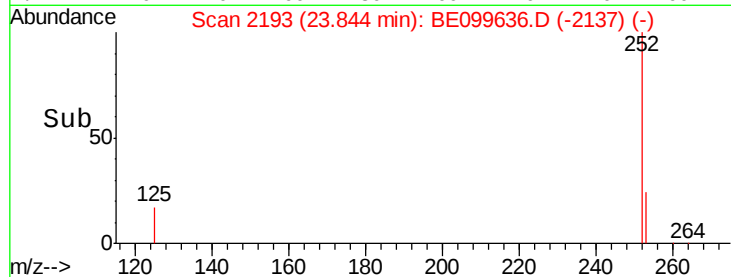
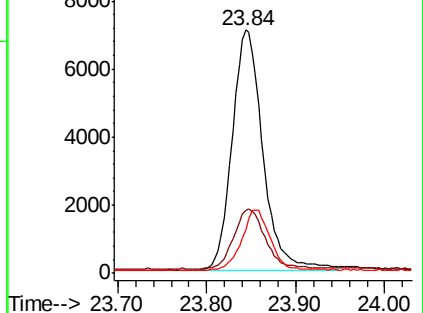
125 18.1 8.8 13.2#



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: 0.373 ng

RT: 26.68 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

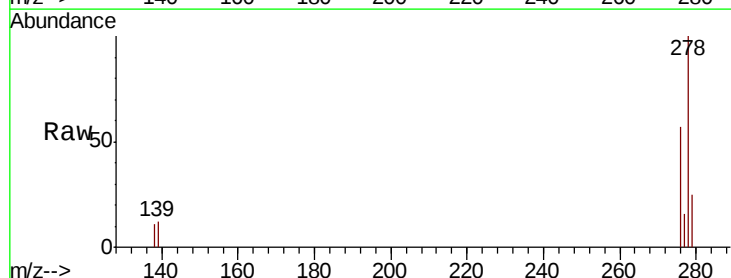
Tgt Ion:278 Resp: 17108

Ion Ratio Lower Upper

278 100

139 11.6 7.9 11.9

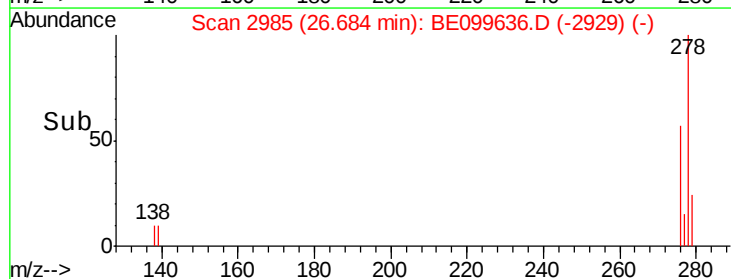
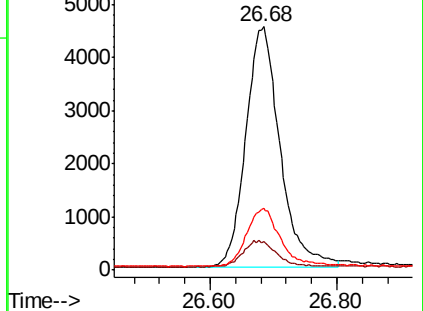
279 25.5 19.5 29.3



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: 0.376 ng

RT: 27.48 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE099636.D

Acq: 16 May 2019 23:52

Instrument :

BNA_E

ClientSampleId :

PB119714BS

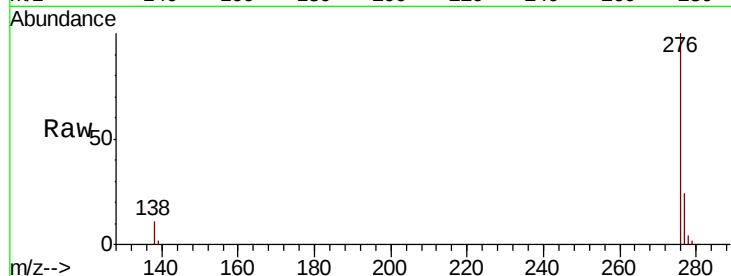
Tgt Ion: 276 Resp: 17382

Ion Ratio Lower Upper

276 100

277 24.0 19.3 28.9

138 11.4 9.1 13.7



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

