

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052819\
 Data File : BE099762.D
 Acq On : 28 May 2019 18:17
 Operator : JU/SJ
 Sample : K3037-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 29 04:10:32 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	1288	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	4703	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3591	0.40	ng	-0.02
19) Phenanthrene-d10	17.21	188	11611	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	15896	0.40	ng	-0.01
34) Perylene-d12	23.94	264	18076	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	862	0.26	ng	-0.01
5) Phenol-d6	6.96	99	771	0.18	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1835	0.45	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	3668	0.45	ng	-0.02
14) 2,4,6-Tribromophenol	15.97	330	1489	0.66	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	7290	0.54	ng	0.00
25) Fluoranthene-d10	19.25	212	71303	0.45	ng	-0.01
29) Terphenyl-d14	19.85	244	26197	0.92	ng	-0.02

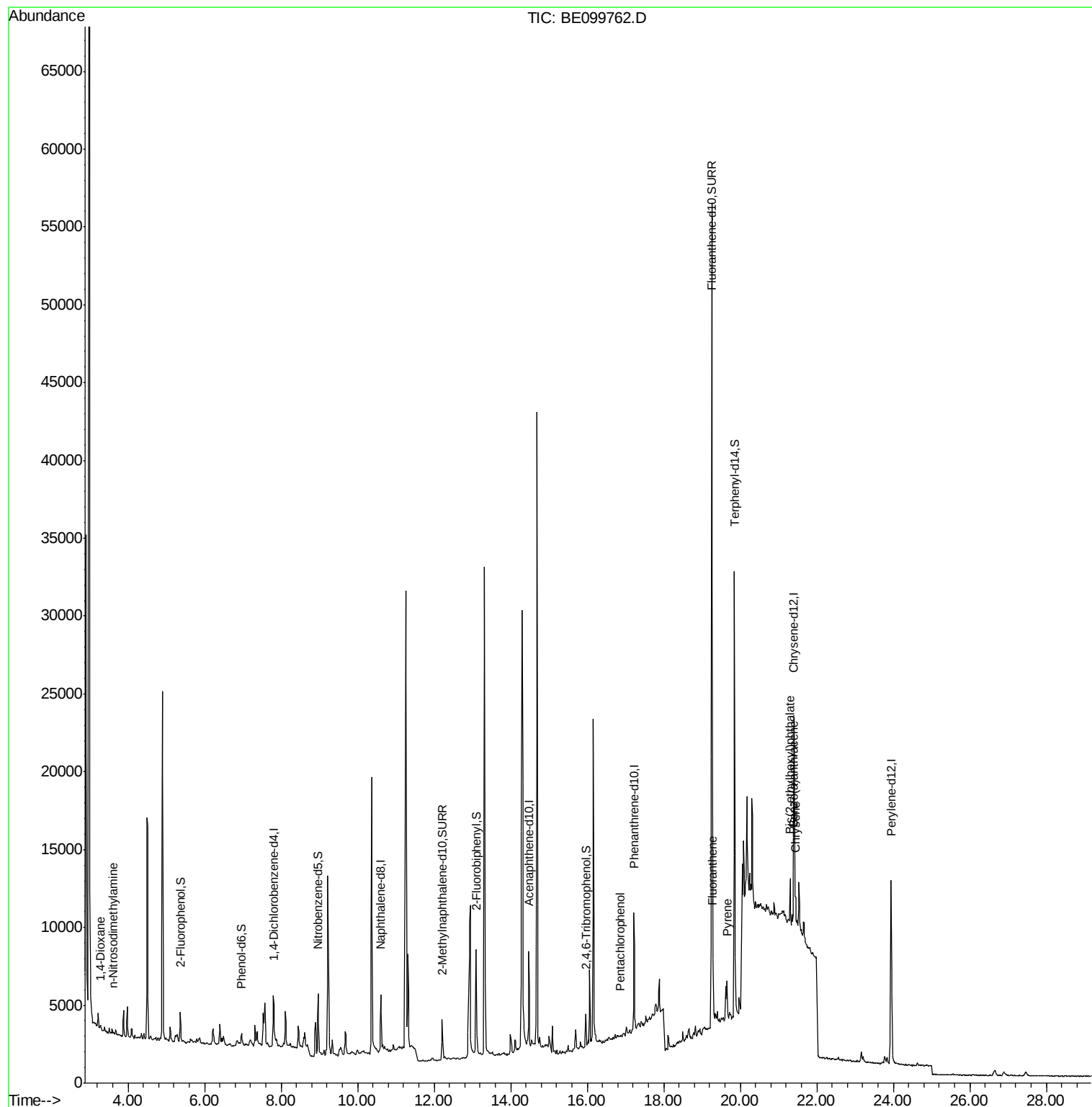
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	149	0.078	ng	# 1
3) n-Nitrosodimethylamine	3.61	42	83	0.079	ng	# 96
22) Pentachlorophenol	16.87	266	51	0.205	ng	# 82
26) Fluoranthene	19.29	202	3431	0.076	ng	# 91
28) Pyrene	19.65	202	2408	0.060	ng	# 93
30) Benzo(a)anthracene	21.39	228	1132	0.025	ng	# 36
31) Chrysene	21.44	228	1143	0.024	ng	# 35
32) Bis(2-ethylhexyl)phthalate	21.30	149	3108	0.060	ng	# 94

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052819\
Data File : BE099762.D
Acq On : 28 May 2019 18:17
Operator : JU/SJ
Sample : K3037-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: May 29 04:10:32 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

Instrument :

BNA_E

ClientSampled :

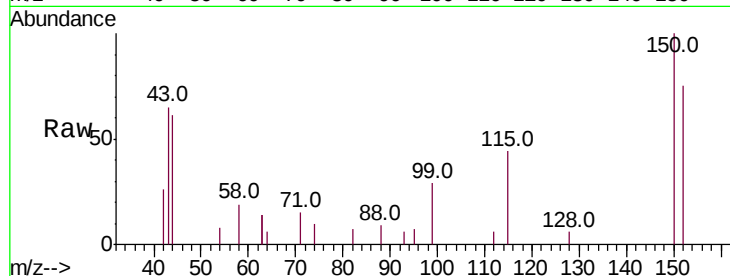
Tot Ion:152 Resp: 1288

Ion Ratio Lower Upper

152 100

150 133.3 109.2 163.8

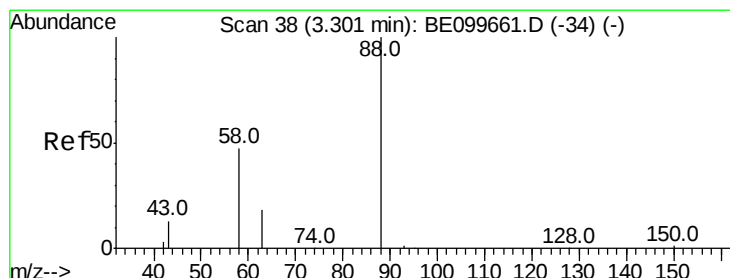
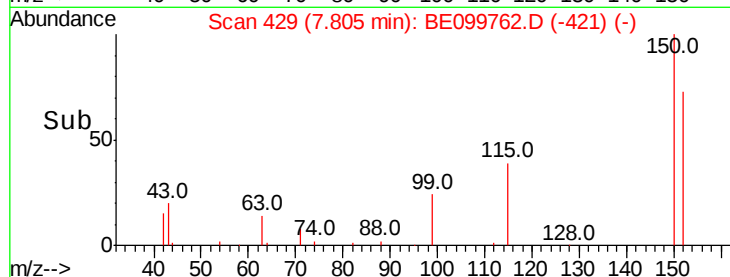
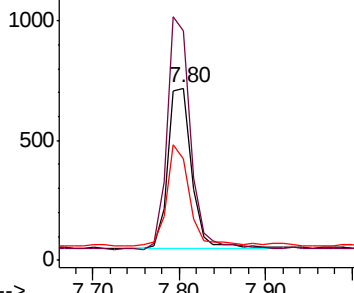
115 58.9 43.7 65.5



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: 0.078 ng

RT: 3.28 min Scan# 36

Delta R.T. -0.02 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

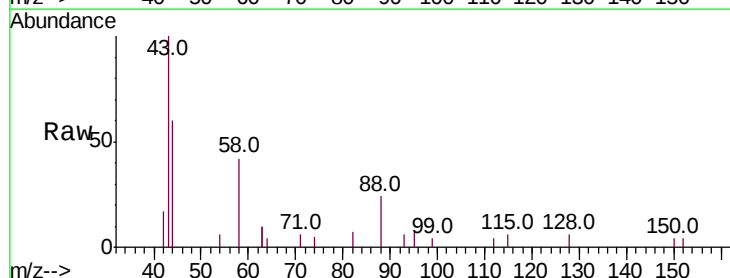
Tgt Ion: 88 Resp: 149

Ion Ratio Lower Upper

88 100

58 129.5 41.8 62.8#

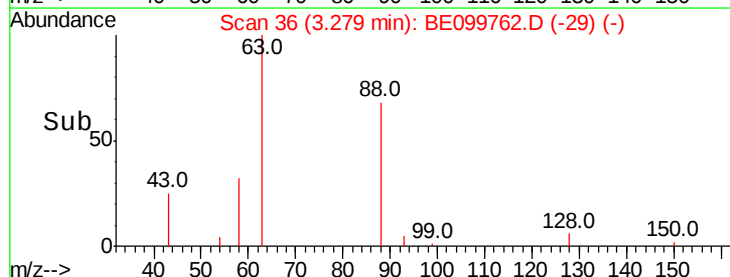
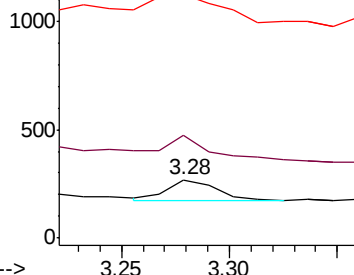
43 251.7 15.0 22.4#



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: 0.079 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

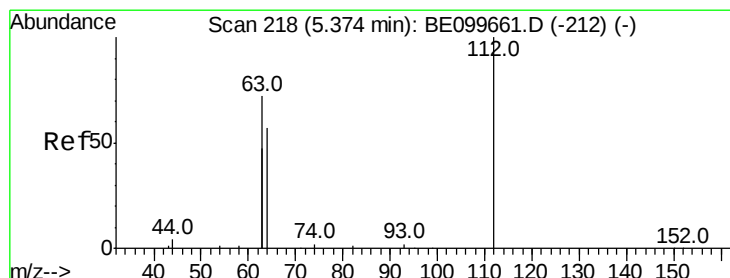
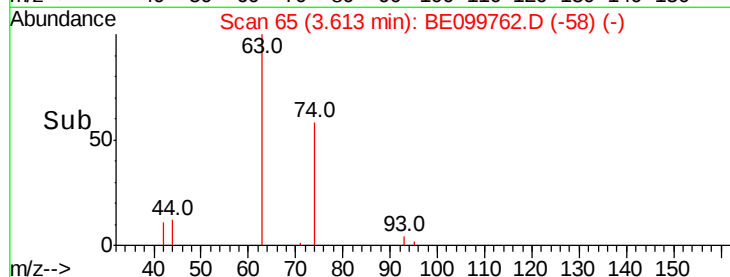
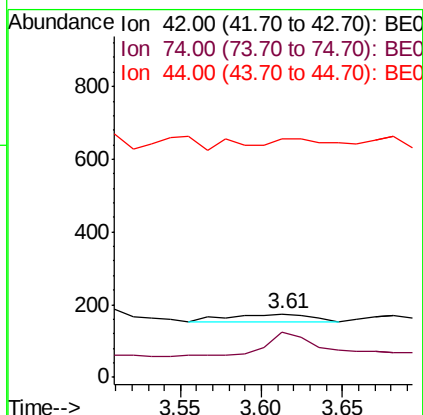
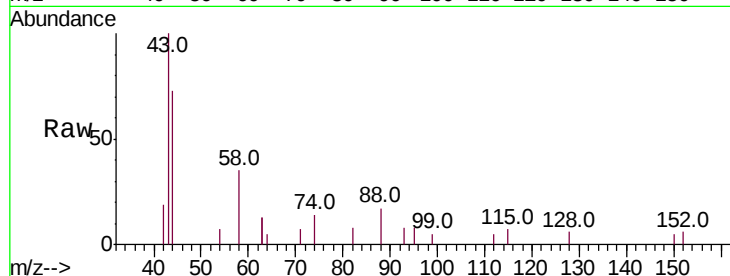
Lab File: BE099762.D

Acq: 28 May 2019 18:17

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 83

Ion	Ratio	Lower	Upper
42	100		
74	166.3	129.2	193.8
44	44.6	0.0	0.0#



#4

2-Fluorophenol

Concen: 0.265 ng

RT: 5.36 min Scan# 217

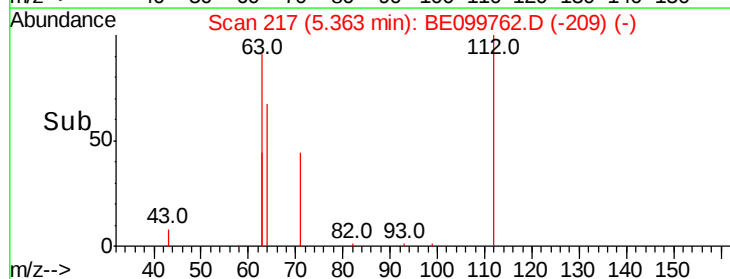
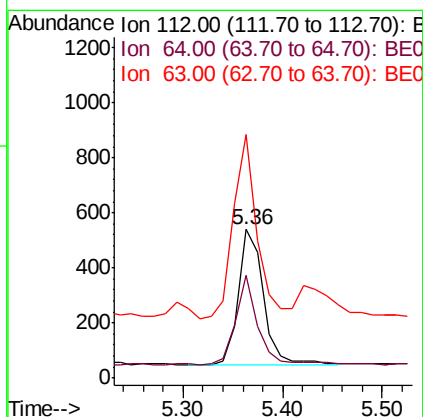
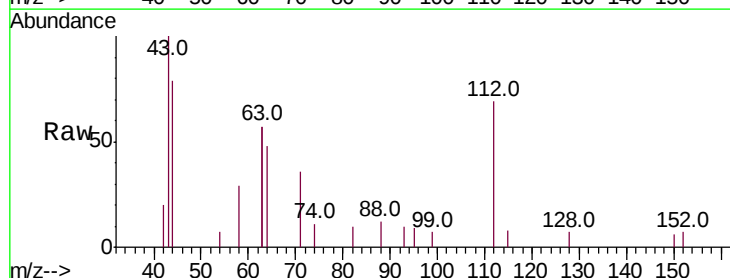
Delta R.T. -0.01 min

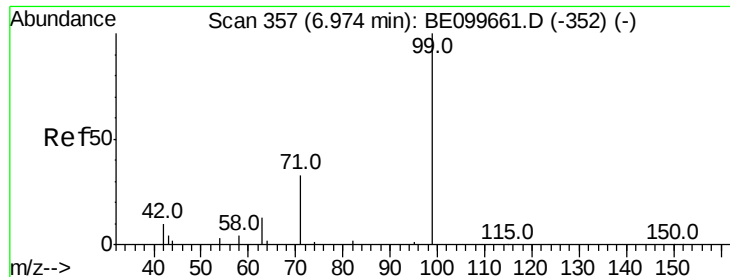
Lab File: BE099762.D

Acq: 28 May 2019 18:17

Tgt Ion: 112 Resp: 862

Ion	Ratio	Lower	Upper
112	100		
64	58.8	43.4	65.2
63	125.6	96.9	145.3





#5

Phenol-d6

Concen: 0.179 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

Instrument :

BNA_E

ClientSampleId :

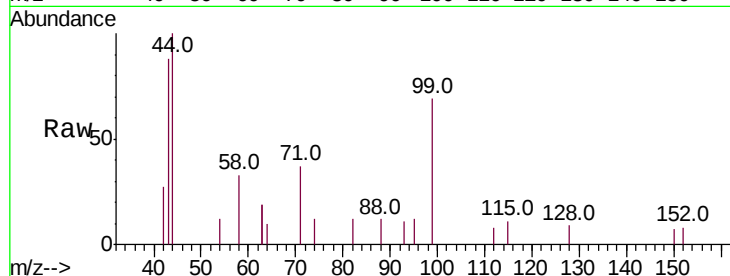
Tot Ion: 99 Resp: 771

Ion Ratio Lower Upper

99 100

42 20.4 12.2 18.2#

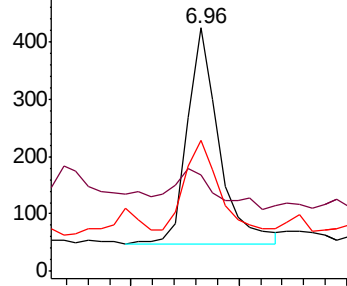
71 42.9 28.9 43.3



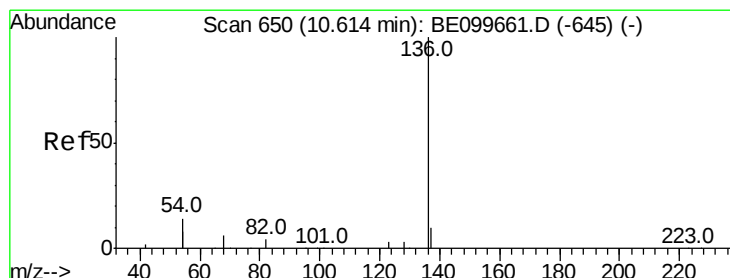
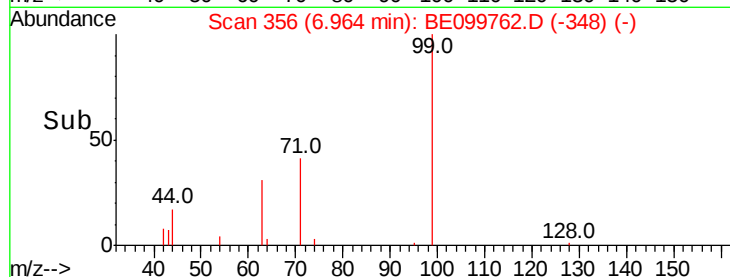
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

Tgt Ion: 136 Resp: 4703

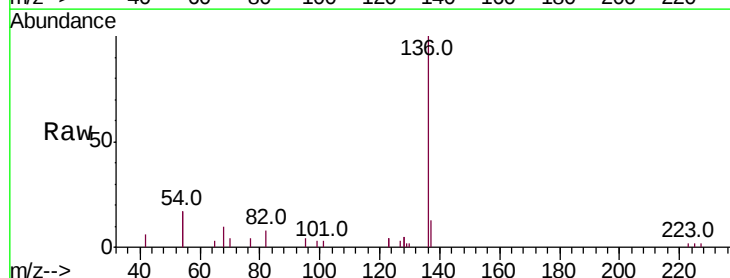
Ion Ratio Lower Upper

136 100

137 12.7 9.0 13.6

54 33.9 22.3 33.5#

68 9.7 6.0 9.0#

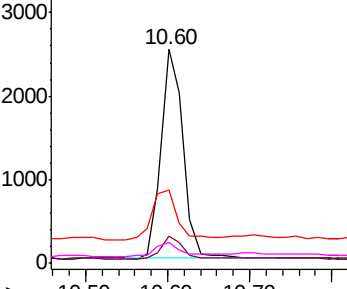


Abundance Ion 136.00 (135.70 to 136.70): E

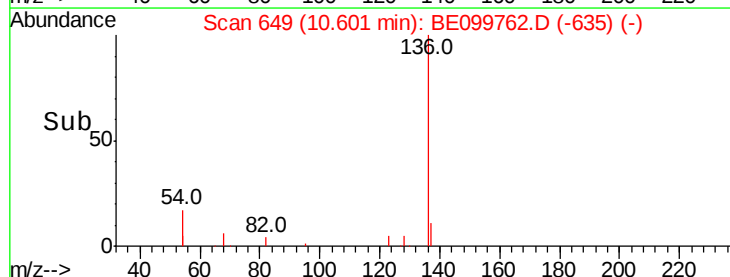
Ion 137.00 (136.70 to 137.70): E

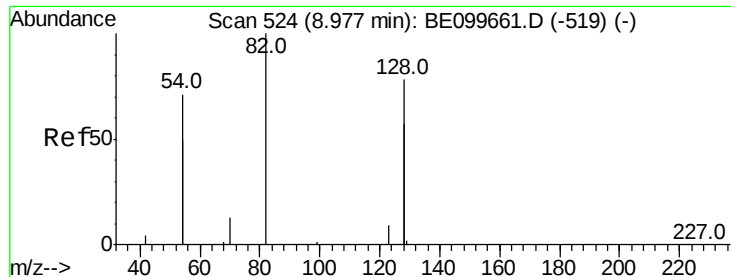
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.451 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

Instrument :

BNA_E

ClientSampleId :

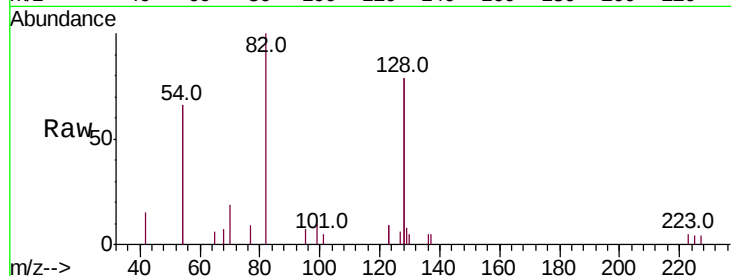
Tot Ion: 82 Resp: 1835

Ion Ratio Lower Upper

82 100

128 158.2 117.7 176.5

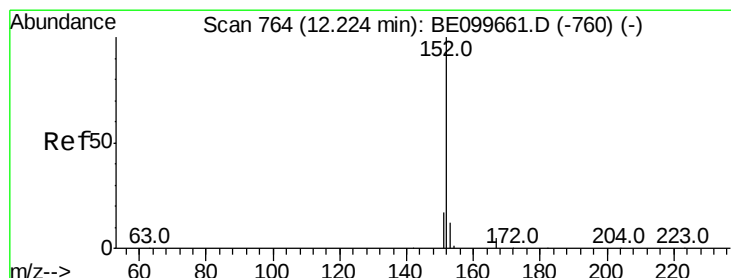
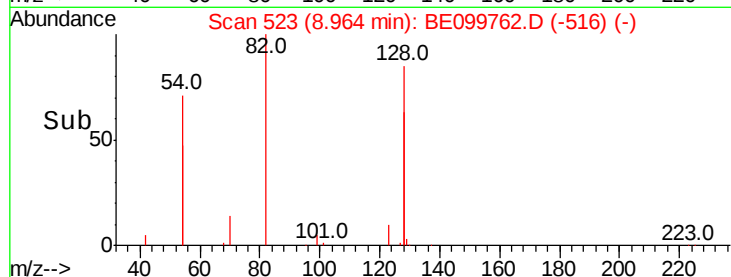
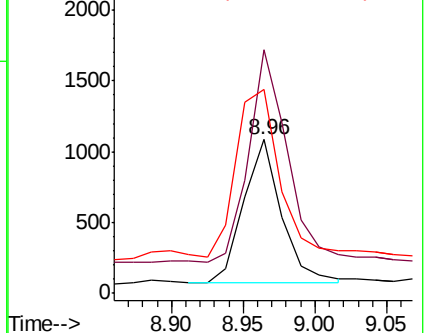
54 132.8 106.6 160.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.452 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.02 min

Lab File: BE099762.D

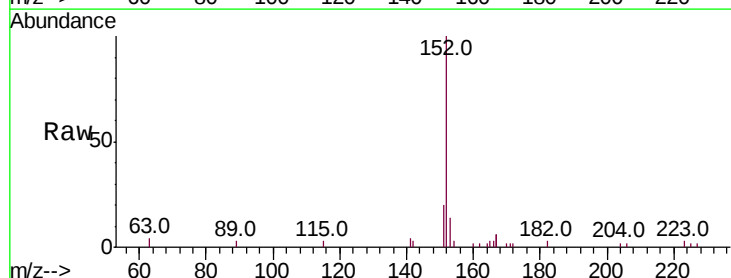
Acq: 28 May 2019 18:17

Tgt Ion: 152 Resp: 3668

Ion Ratio Lower Upper

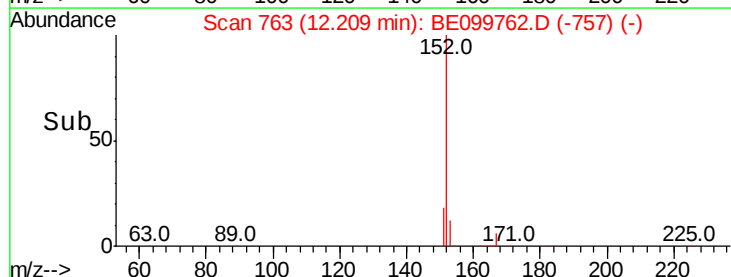
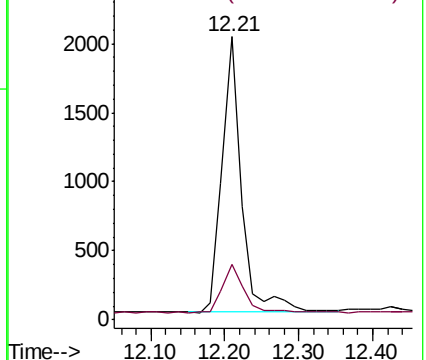
152 100

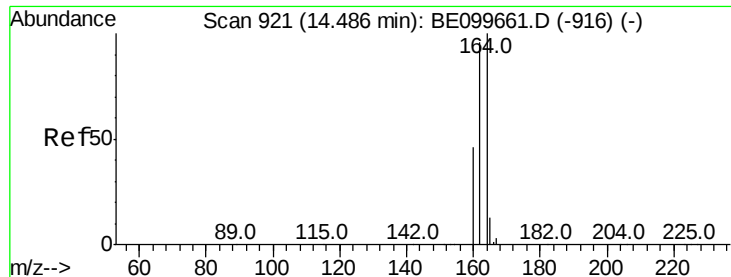
151 18.9 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.02 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

Instrument :

BNA_E

ClientSampleId :

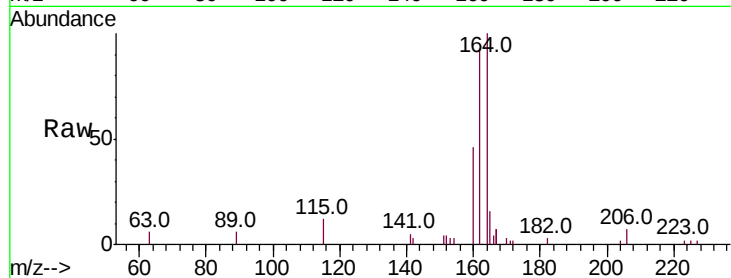
Tot Ion:164 Resp: 3591

Ion Ratio Lower Upper

164 100

162 92.7 76.5 114.7

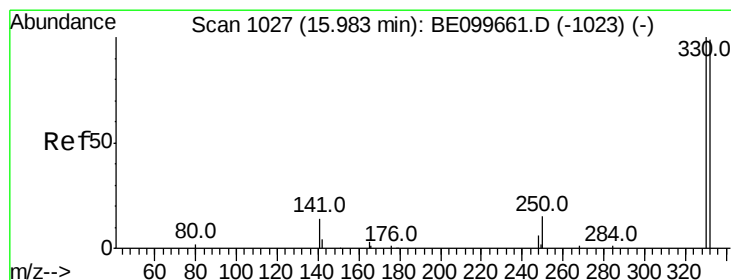
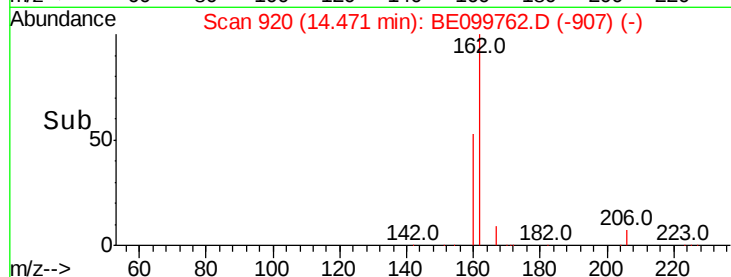
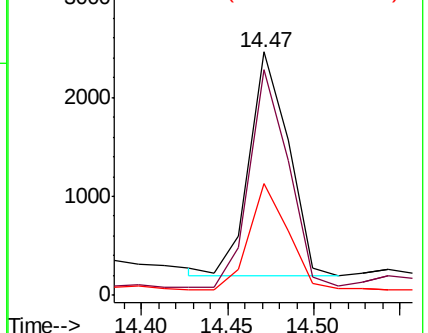
160 46.0 37.4 56.2



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: 0.663 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

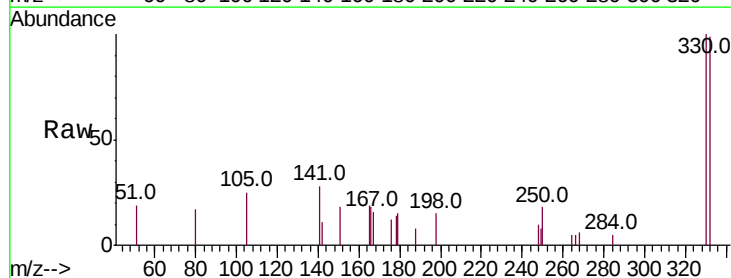
Tgt Ion:330 Resp: 1489

Ion Ratio Lower Upper

330 100

332 97.1 77.3 115.9

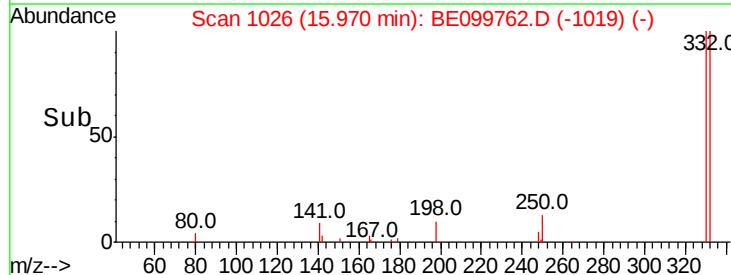
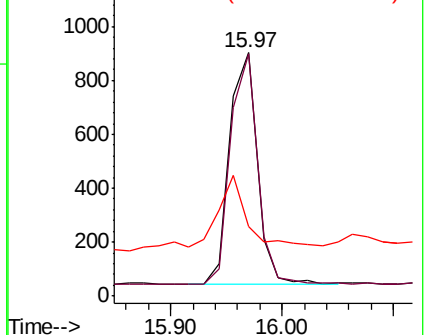
141 29.3 18.9 28.3#

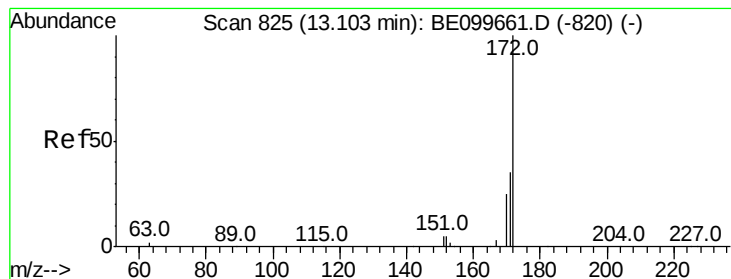


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

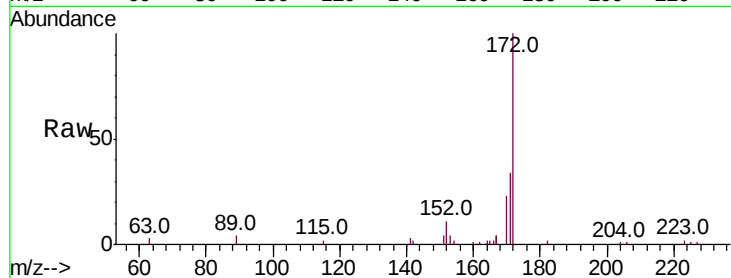




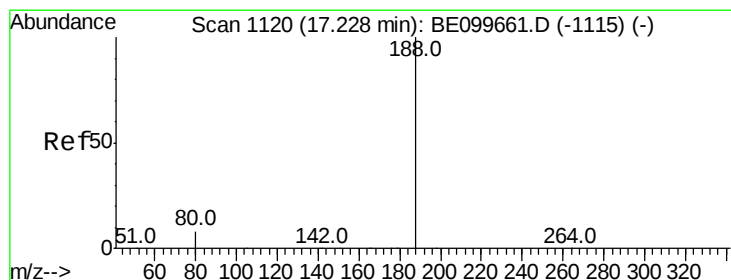
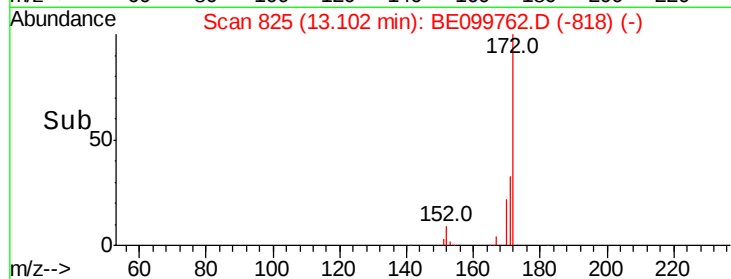
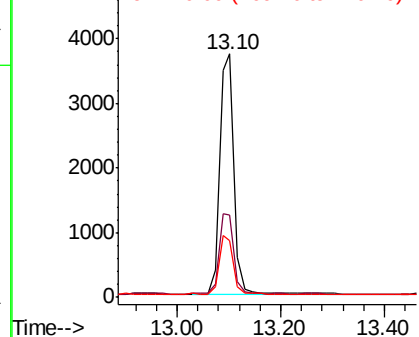
#15
2-Fluorobiphenyl
Concen: 0.535 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099762.D
Acq: 28 May 2019 18:17

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 7290
Ion Ratio Lower Upper
172 100
171 33.7 28.7 43.1
170 23.0 20.9 31.3

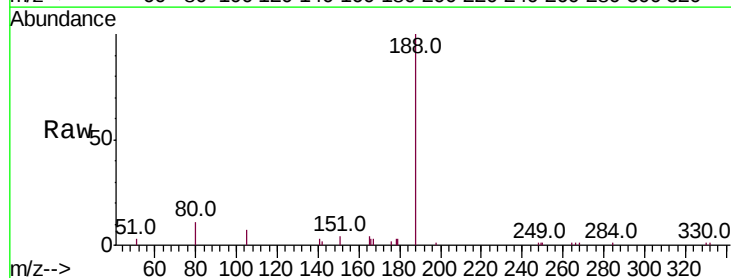


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

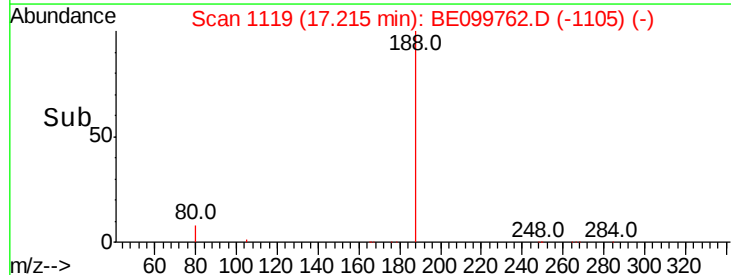
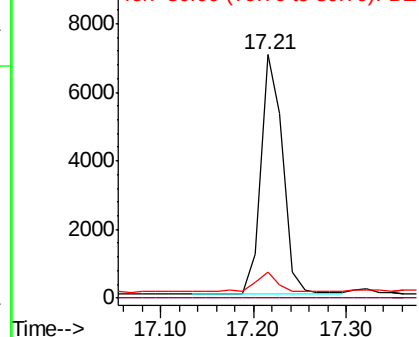


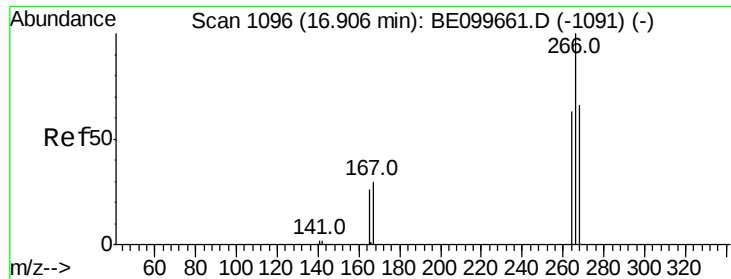
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE099762.D
Acq: 28 May 2019 18:17

Tgt Ion:188 Resp: 11611
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.5 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





#22

Pentachlorophenol

Concen: 0.205 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.04 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

Instrument :

BNA_E

ClientSampled :

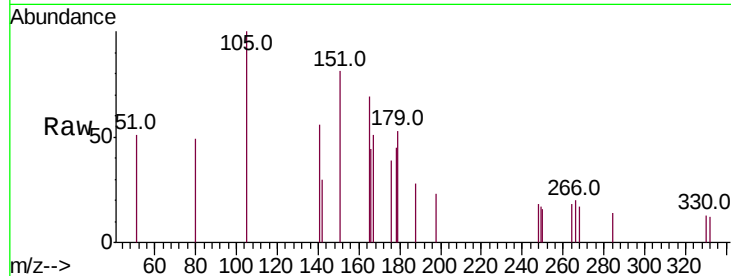
Tot Ion:266 Resp: 51

Ion Ratio Lower Upper

266 100

264 90.0 57.2 85.8#

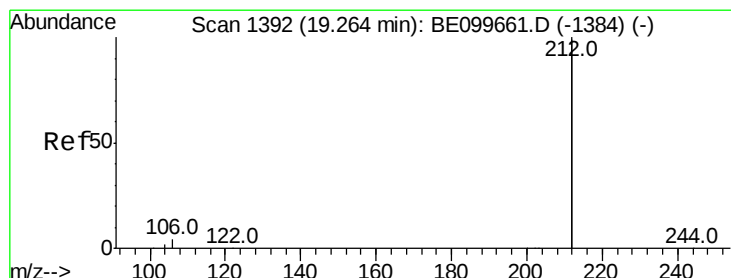
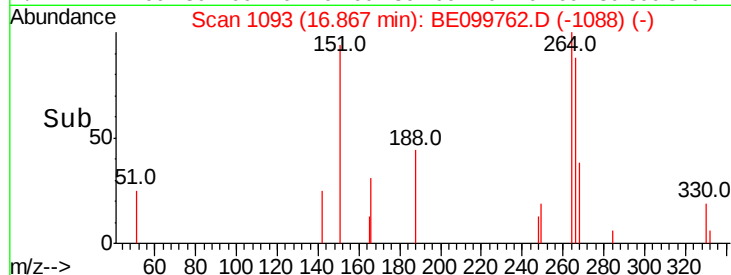
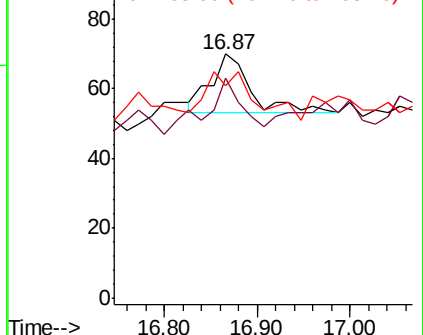
268 87.1 60.5 90.7



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



#25

Fluoranthene-d10

Concen: 0.449 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

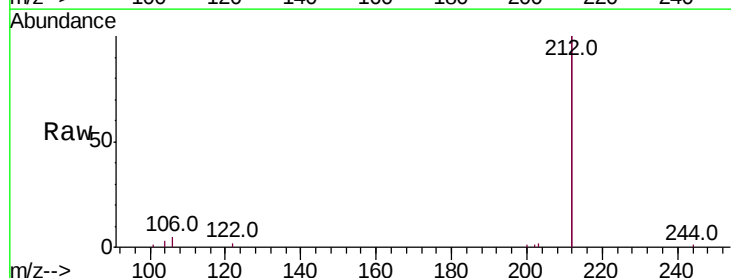
Tgt Ion:212 Resp: 71303

Ion Ratio Lower Upper

212 100

106 2.0 1.4 2.2

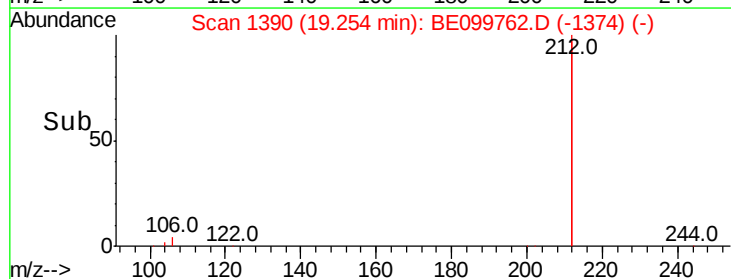
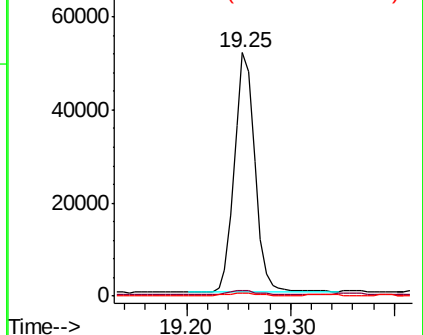
104 1.1 0.8 1.2

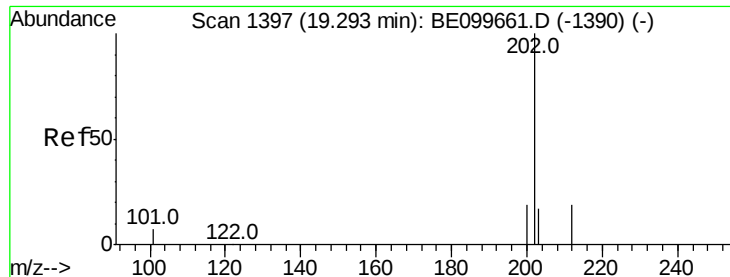


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.076 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.00 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

Instrument :

BNA_E

ClientSampleId :

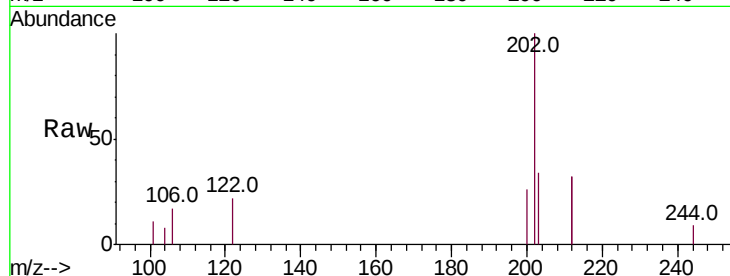
Tot Ion:202 Resp: 3431

Ion Ratio Lower Upper

202 100

101 6.1 5.2 7.8

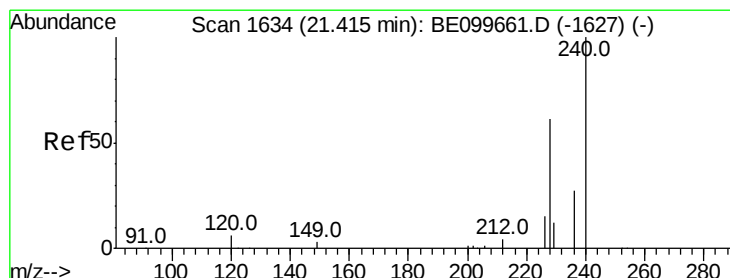
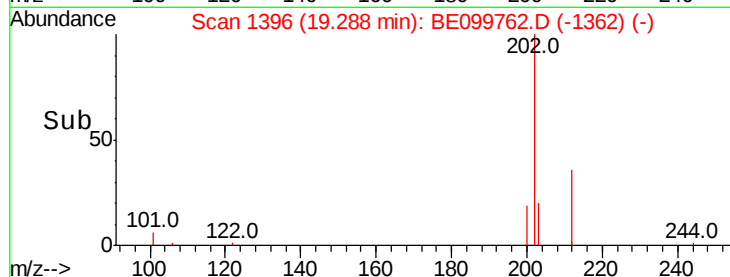
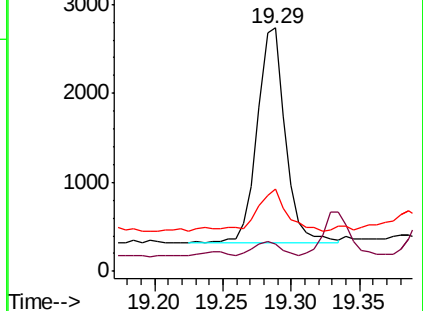
203 22.2 13.8 20.6#



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: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

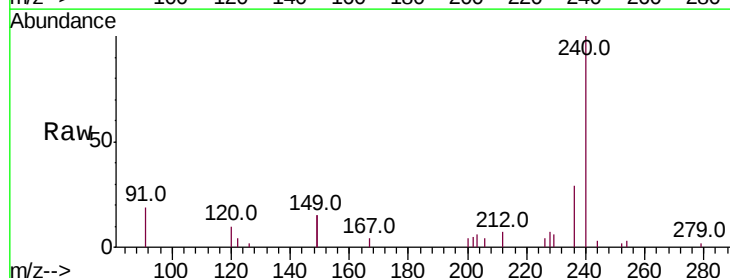
Tgt Ion:240 Resp: 15896

Ion Ratio Lower Upper

240 100

120 10.5 5.4 8.0#

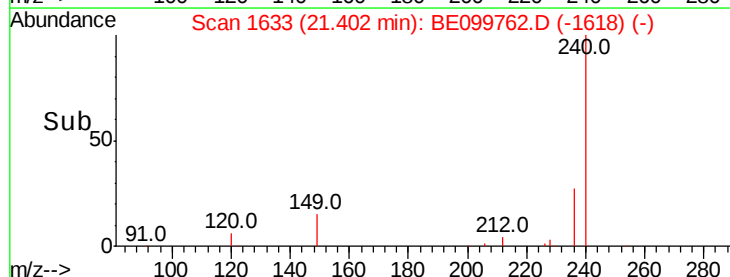
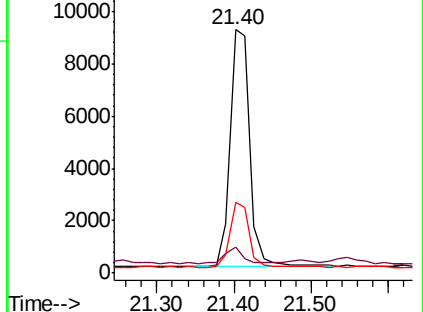
236 29.1 21.7 32.5

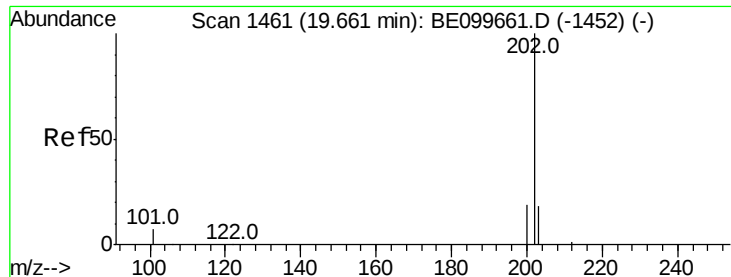


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

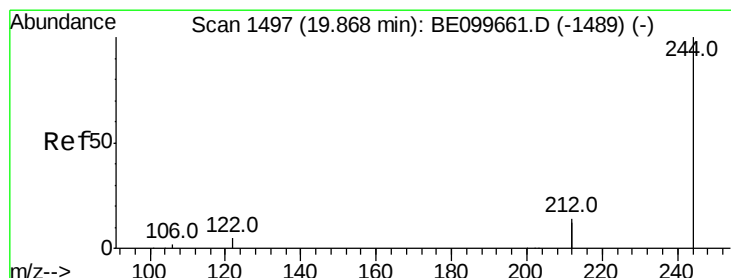
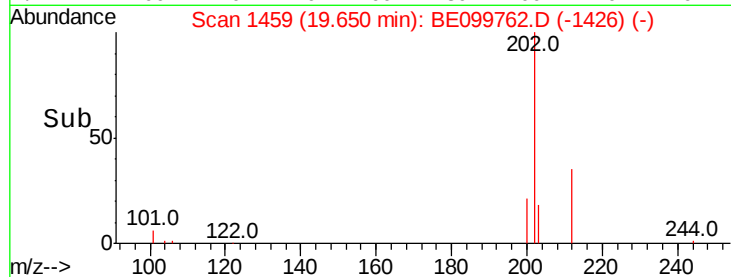
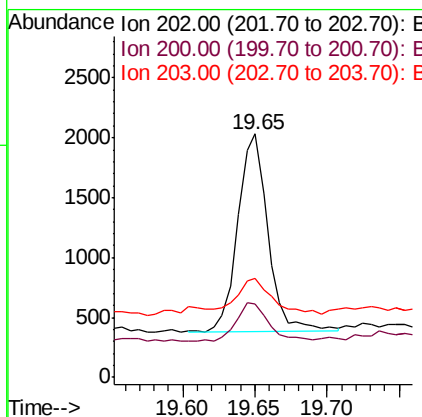
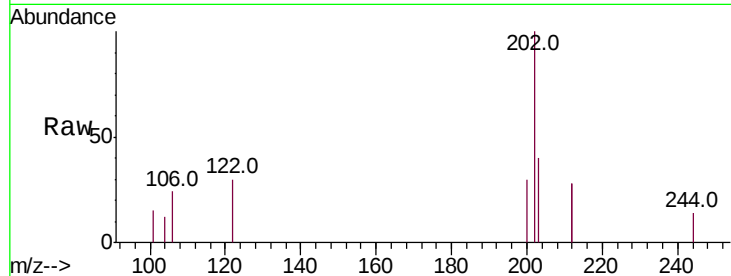




#28
Pvrene
Concen: 0.060 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BE099762.D
Acq: 28 May 2019 18:17

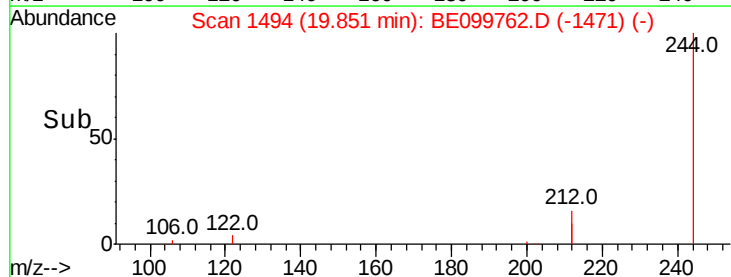
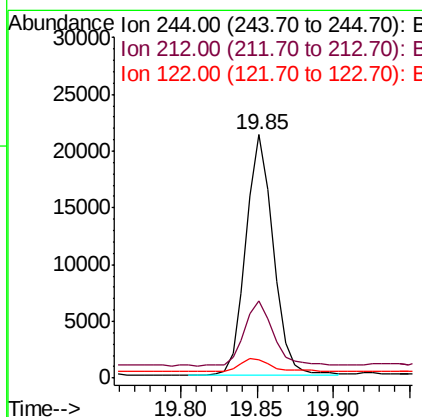
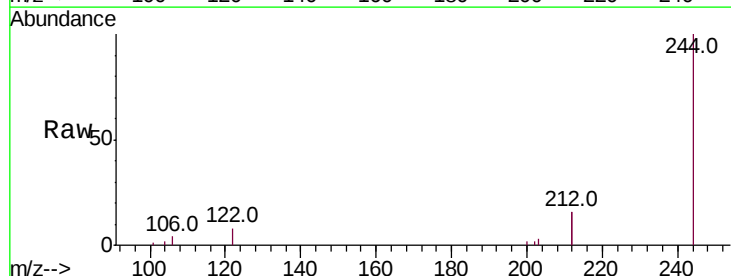
Instrument :
BNA_E
ClientSampled :

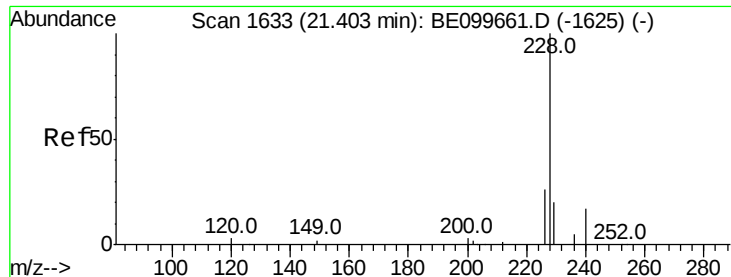
Tot Ion:202 Resp: 2408
Ion Ratio Lower Upper
202 100
200 21.3 15.4 23.2
203 21.4 13.8 20.8#



#29
Terphenyl-d14
Concen: 0.923 ng
RT: 19.85 min Scan# 1494
Delta R.T. -0.02 min
Lab File: BE099762.D
Acq: 28 May 2019 18:17

Tgt Ion:244 Resp: 26197
Ion Ratio Lower Upper
244 100
212 31.8 22.5 33.7
122 7.7 4.3 6.5#





#30

Benzo(a)anthracene

Concen: 0.025 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

Instrument :

BNA_E

ClientSampleId :

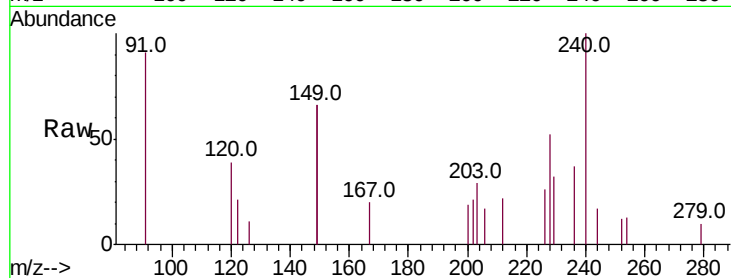
Tot Ion:228 Resp: 1132

Ion Ratio Lower Upper

228 100

226 49.0 21.3 31.9#

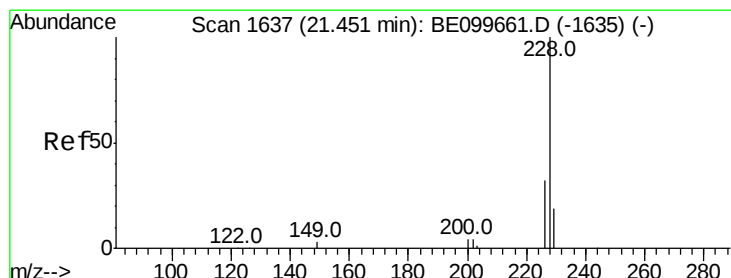
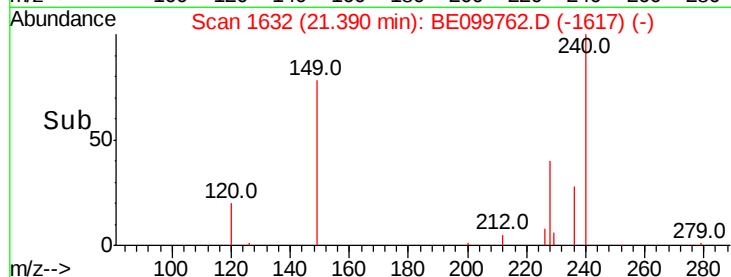
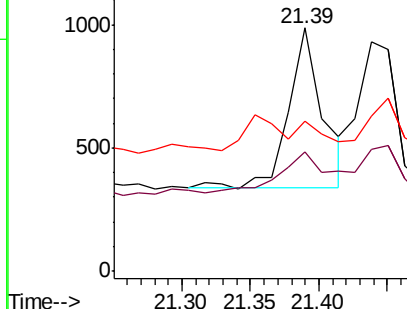
229 61.6 16.1 24.1#



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: 0.024 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099762.D

Acq: 28 May 2019 18:17

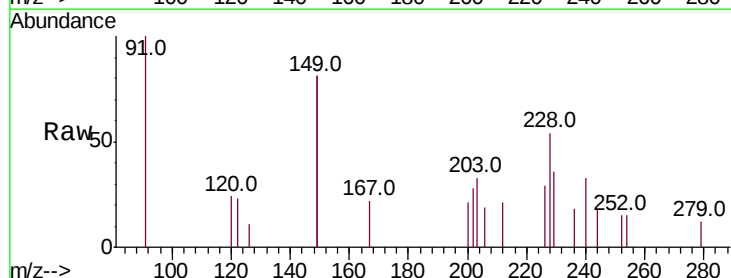
Tgt Ion:228 Resp: 1143

Ion Ratio Lower Upper

228 100

226 53.0 24.7 37.1#

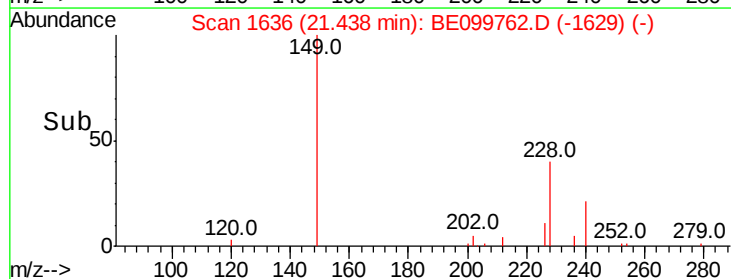
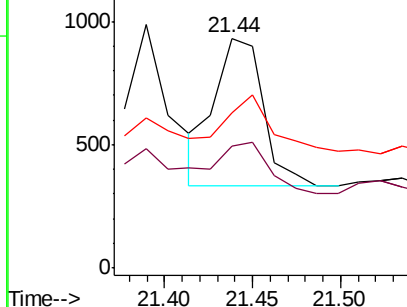
229 67.3 15.8 23.6#

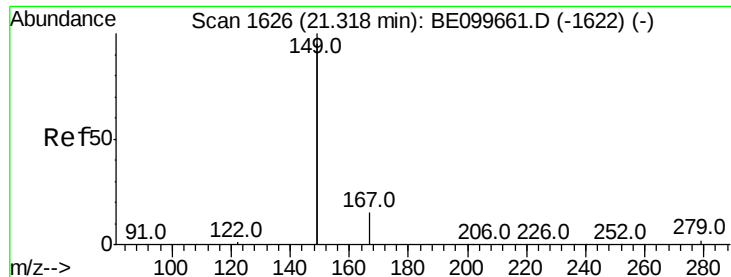


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

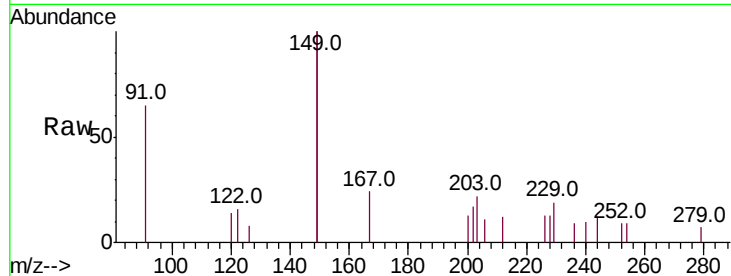




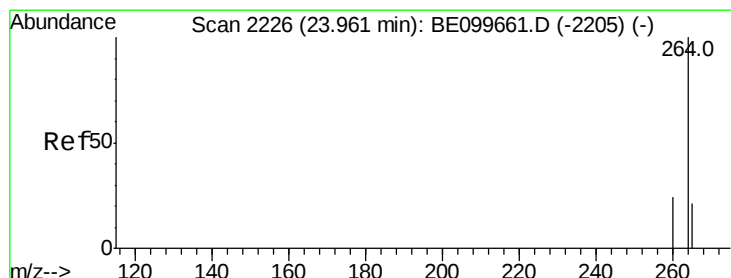
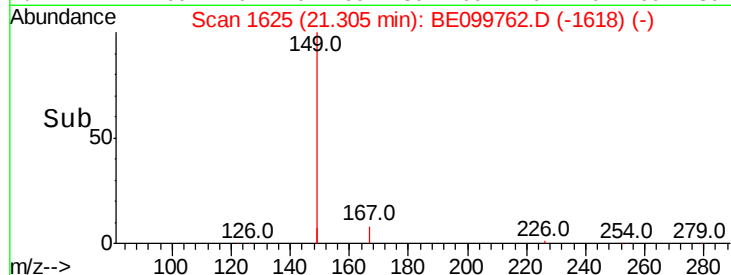
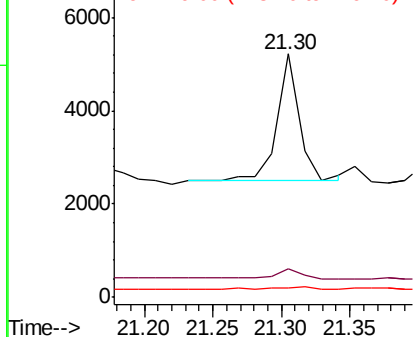
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.060 ng
 RT: 21.30 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BE099762.D
 Acq: 28 May 2019 18:17

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:149 Resp: 3108
 Ion Ratio Lower Upper
 149 100
 167 10.0 6.2 9.4#
 279 2.3 1.2 1.8#

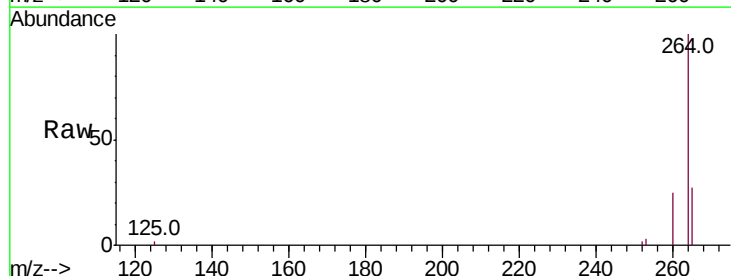


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2220
 Delta R.T. -0.02 min
 Lab File: BE099762.D
 Acq: 28 May 2019 18:17

Tgt Ion:264 Resp: 18076
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.6 29.4
 265 26.7 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

