

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE051519\
 Data File : BE099617.D
 Acq On : 15 May 2019 18:27
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: May 16 06:43:24 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	1647	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	5671	0.40	ng	0.01
13) Acenaphthene-d10	14.50	164	3793	0.40	ng	0.01
19) Phenanthrene-d10	17.24	188	11353	0.40	ng	0.01
27) Chrysene-d12	21.43	240	16709	0.40	ng	0.01
34) Perylene-d12	23.97	264	20524	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	1600	0.34	ng	0.01
5) Phenol-d6	6.99	99	2067	0.35	ng	0.01
8) Nitrobenzene-d5	8.99	82	1878	0.34	ng	0.01
11) 2-Methylnaphthalene-d10	12.24	152	3472	0.36	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	837	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	5481	0.38	ng	0.01
25) Fluoranthene-d10	19.27	212	52796	0.35	ng	0.00
29) Terphenyl-d14	19.87	244	10738	0.36	ng	0.00

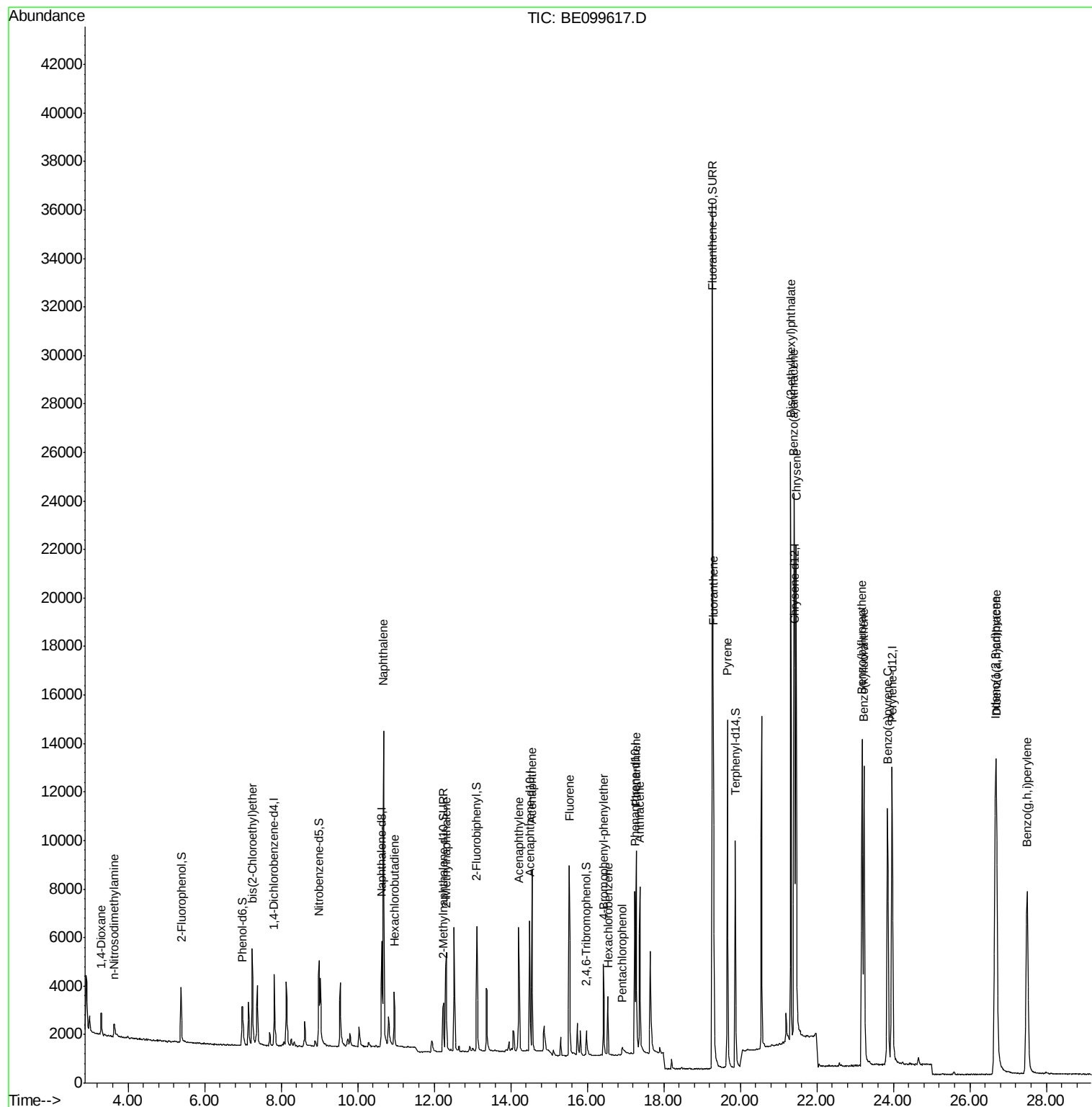
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	900	0.371 ng	#	90
3) n-Nitrosodimethylamine	3.62	42	482	0.311 ng	#	96
6) bis(2-Chloroethyl)ether	7.24	93	1780	0.357 ng		95
9) Naphthalene	10.68	128	22146	0.367 ng		100
10) Hexachlorobutadiene	10.95	225	1586	0.359 ng		98
12) 2-Methylnaphthalene	12.31	142	3520	0.353 ng		100
16) Acenaphthylene	14.21	152	6392	0.357 ng		99
17) Acenaphthene	14.56	154	3695	0.365 ng		98
18) Fluorene	15.53	166	5068	0.349 ng		99
20) 4-Bromophenyl-phenylether	16.43	248	2249	0.344 ng	#	82
21) Hexachlorobenzene	16.55	284	2266	0.352 ng		99
22) Pentachlorophenol	16.92	266	584	0.431 ng		97
23) Phenanthrene	17.28	178	9587	0.340 ng		99
24) Anthracene	17.38	178	8624	0.332 ng		99
26) Fluoranthene	19.30	202	15063	0.353 ng		99
28) Pyrene	19.67	202	15812	0.371 ng		100
30) Benzo(a)anthracene	21.40	228	20277	0.402 ng		100
31) Chrysene	21.46	228	20007	0.385 ng		100
32) Bis(2-ethylhexyl)phthalate	21.32	149	27021	0.347 ng		100
33) Indeno(1,2,3-cd)pyrene	26.67	276	25823	0.399 ng		99
35) Benzo(b)fluoranthene	23.18	252	20482	0.357 ng	#	96
36) Benzo(k)fluoranthene	23.23	252	20933	0.369 ng		99
37) Benzo(a)pyrene	23.85	252	19915	0.358 ng	#	96
38) Dibenzo(a,h)anthracene	26.69	278	20950	0.363 ng		100
39) Benzo(g,h,i)perylene	27.50	276	21430	0.370 ng		100

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

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Misc :
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Instrument :
BNA_E
ClientSampleId :
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Quant Time: May 15 23:10:04 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



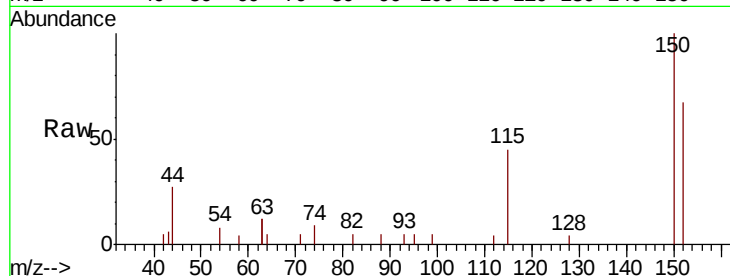


#1

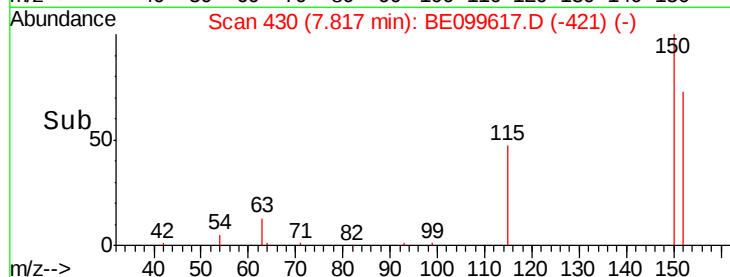
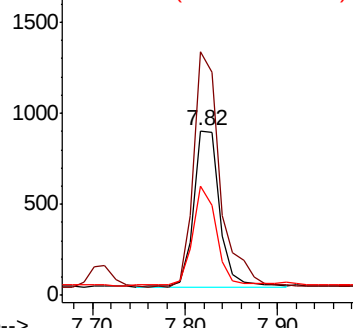
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099617.D
Acq: 15 May 2019 18:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 152 Resp: 1647
Ion Ratio Lower Upper
152 100
150 148.2 110.1 165.1
115 66.7 46.2 69.4



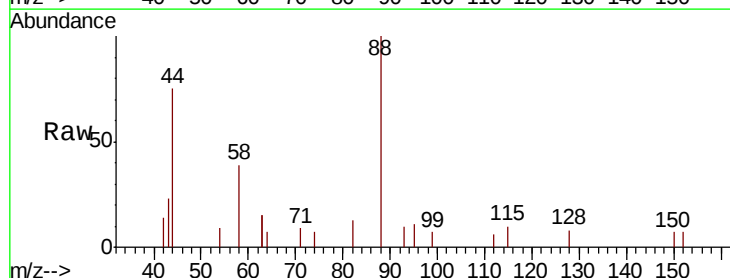
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



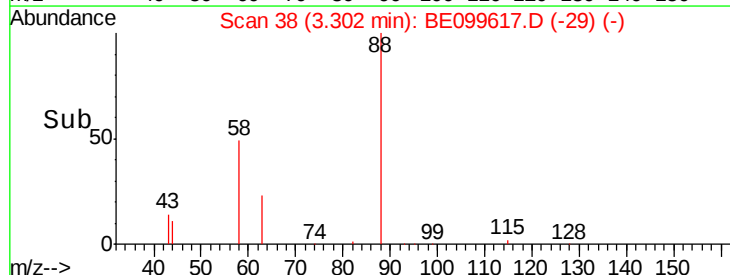
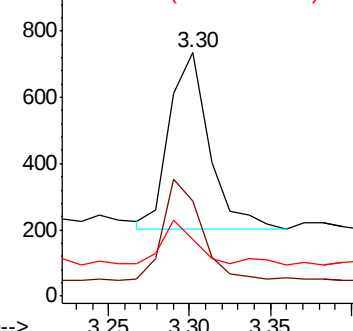
#2

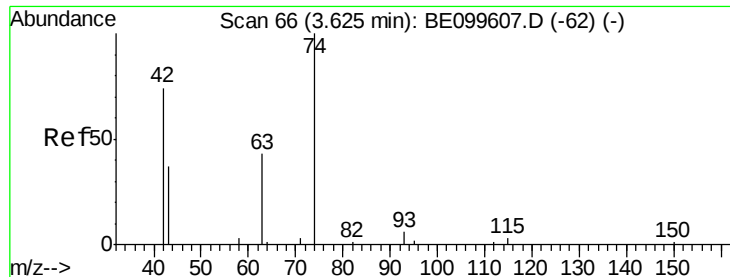
1,4-Dioxane
Concen: 0.371 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099617.D
Acq: 15 May 2019 18:27

Tgt Ion: 88 Resp: 900
Ion Ratio Lower Upper
88 100
58 56.1 39.8 59.6
43 20.0 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: 0.311 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

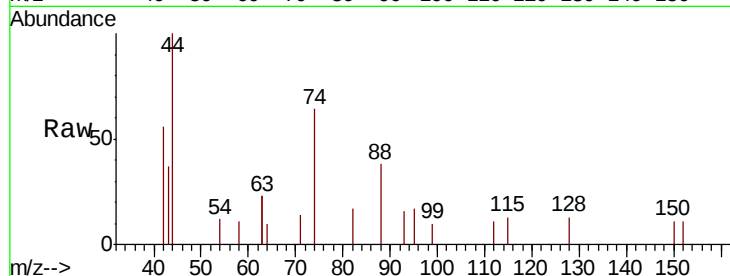
Tgt Ion: 42 Resp: 482

Ion Ratio Lower Upper

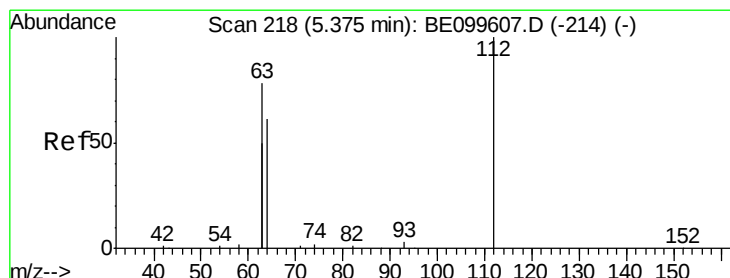
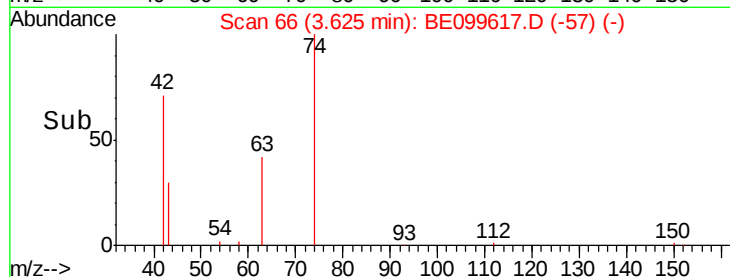
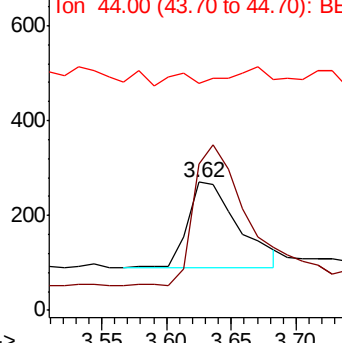
42 100

74 169.7 134.7 202.1

44 0.0 12.5 18.7#



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: 0.342 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

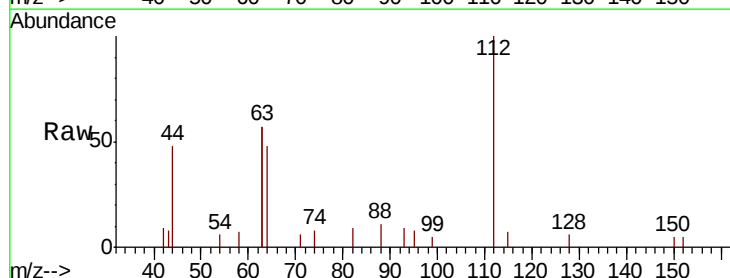
Tgt Ion: 112 Resp: 1600

Ion Ratio Lower Upper

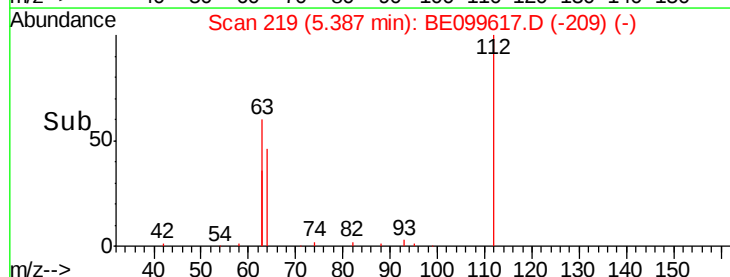
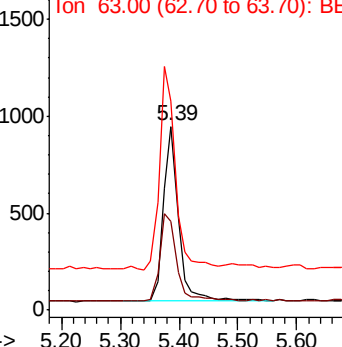
112 100

64 54.8 43.7 65.5

63 124.6 94.0 141.0



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: 0.349 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

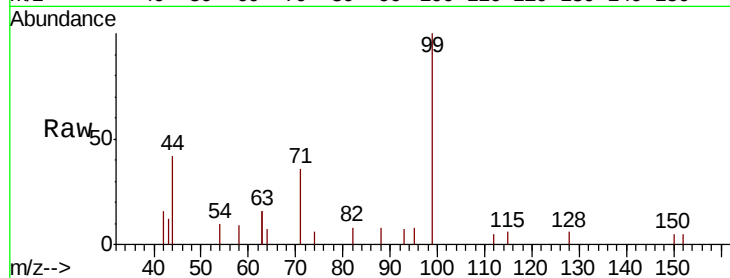
Tgt Ion: 99 Resp: 2067

Ion Ratio Lower Upper

99 100

42 14.7 14.3 21.5

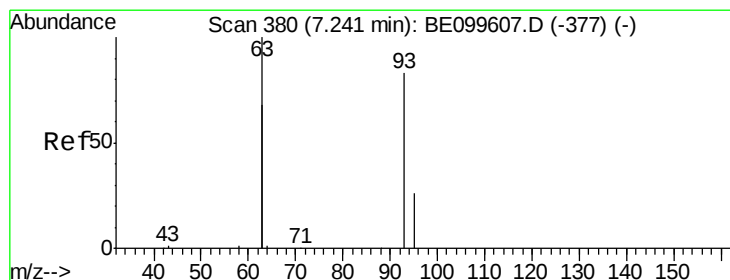
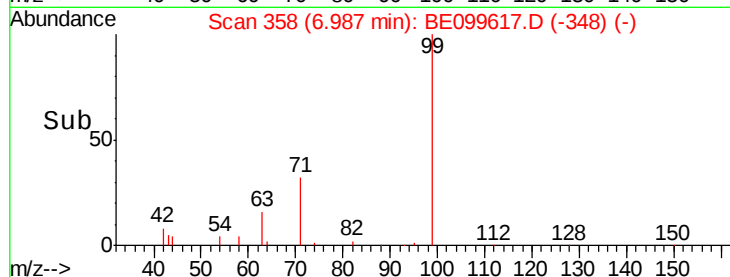
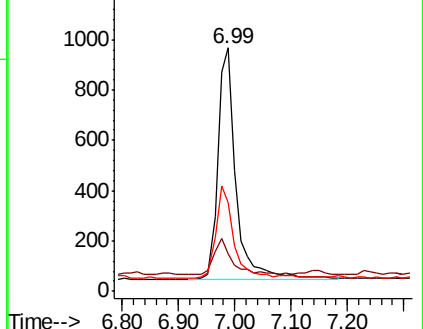
71 39.3 33.1 49.7



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: 0.357 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

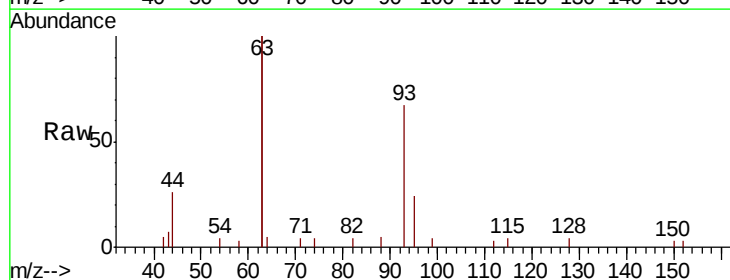
Tgt Ion: 93 Resp: 1780

Ion Ratio Lower Upper

93 100

63 259.6 201.0 301.4

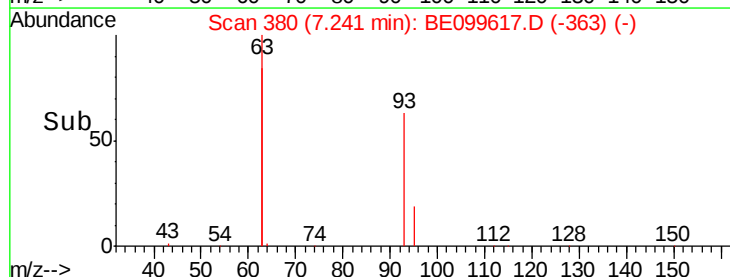
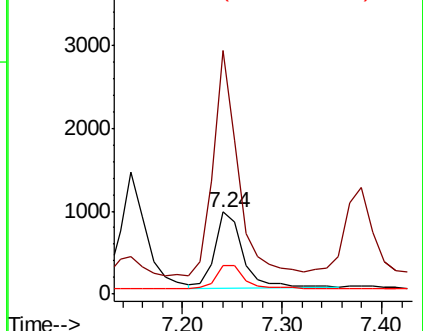
95 33.7 25.0 37.4

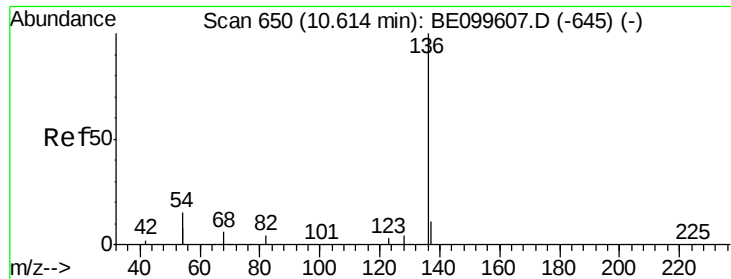


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:136 Resp: 5671

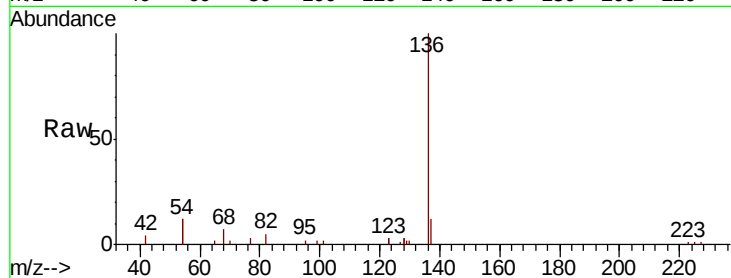
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 24.9 23.8 35.8

68 6.7 6.2 9.2

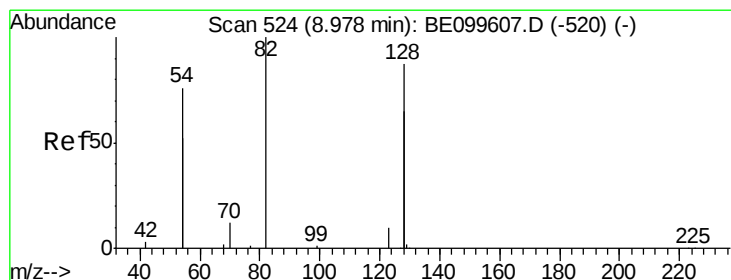
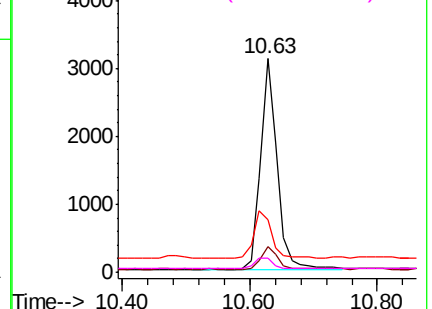
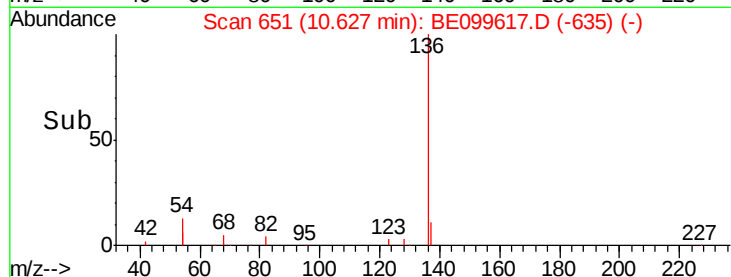


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.342 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

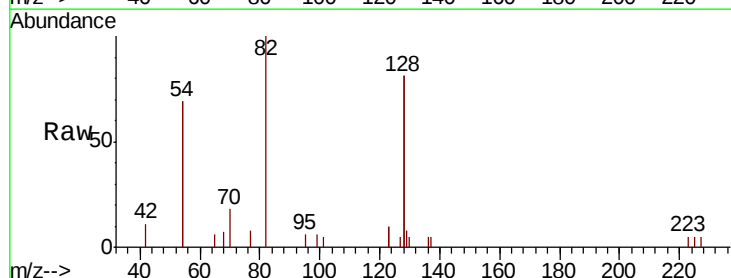
Tgt Ion: 82 Resp: 1878

Ion Ratio Lower Upper

82 100

128 162.3 131.4 197.2

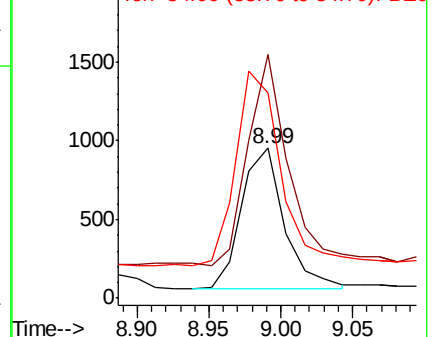
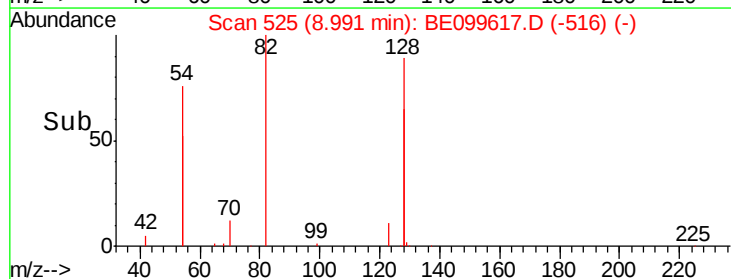
54 137.1 113.9 170.9

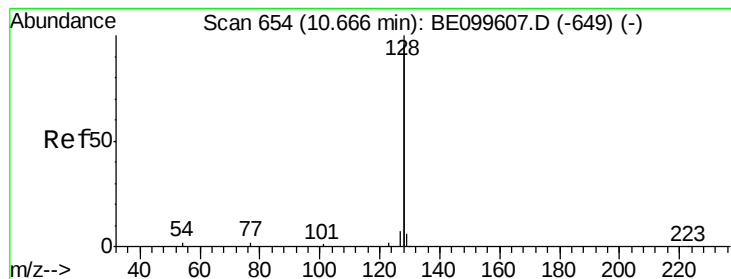


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.367 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

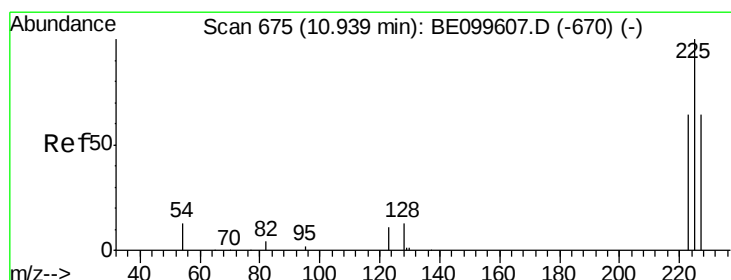
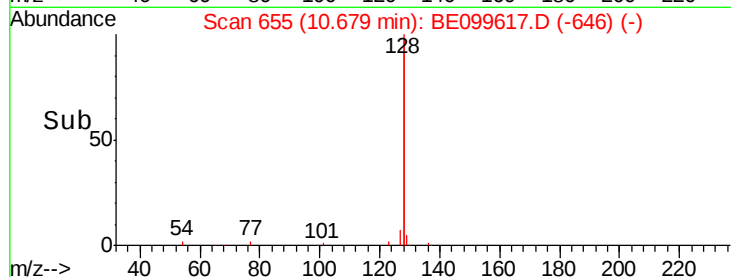
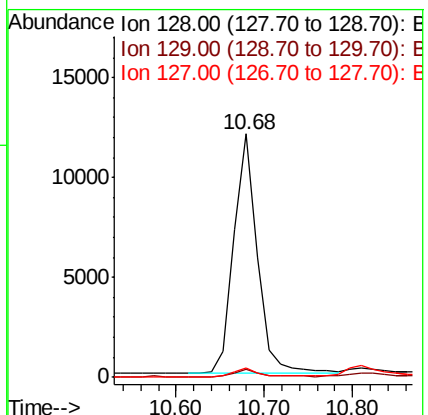
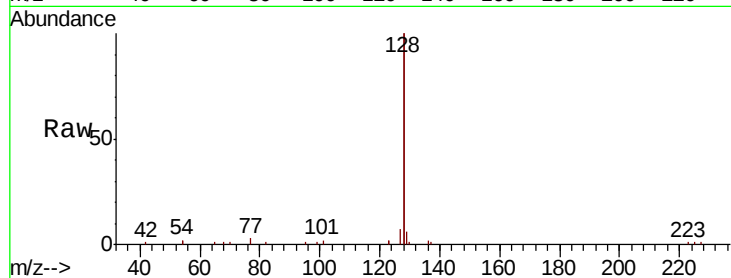
Tgt Ion:128 Resp: 22146

Ion Ratio Lower Upper

128 100

129 3.2 2.6 4.0

127 3.6 3.0 4.6



#10

Hexachlorobutadiene

Concen: 0.359 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

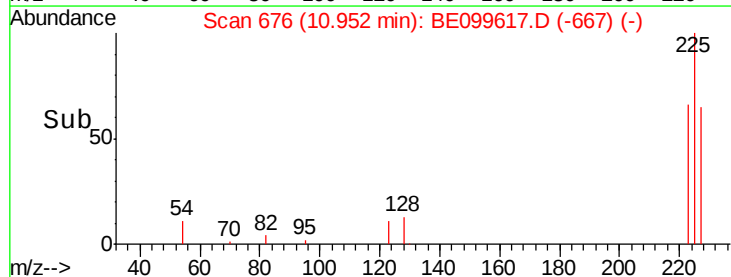
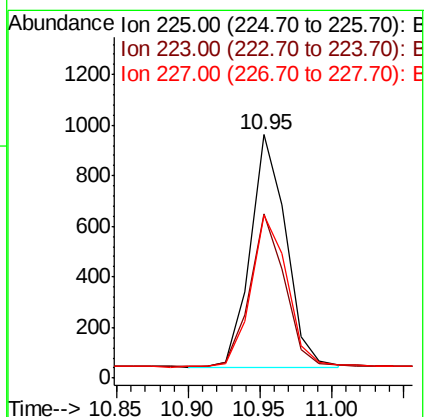
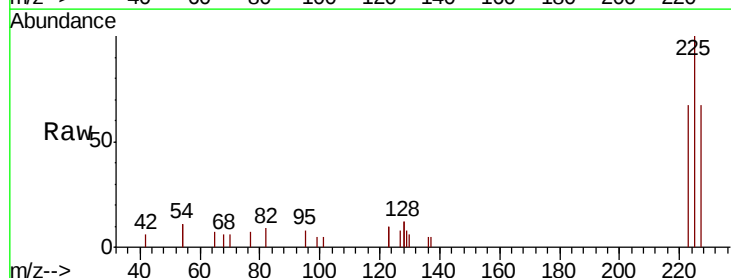
Tgt Ion:225 Resp: 1586

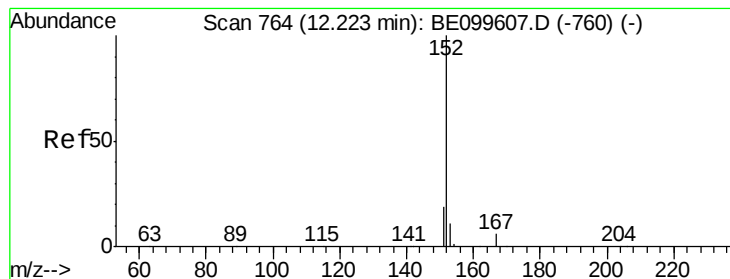
Ion Ratio Lower Upper

225 100

223 63.4 49.8 74.8

227 66.5 51.2 76.8





#11

2-Methylnaphthalene-d10

Concen: 0.364 ng

RT: 12.24 min Scan# 765

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

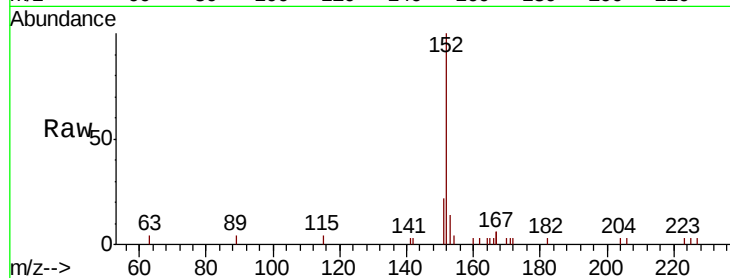
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3472

Ion Ratio Lower Upper

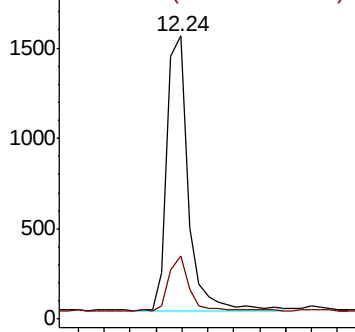
152 100

151 18.3 15.3 22.9

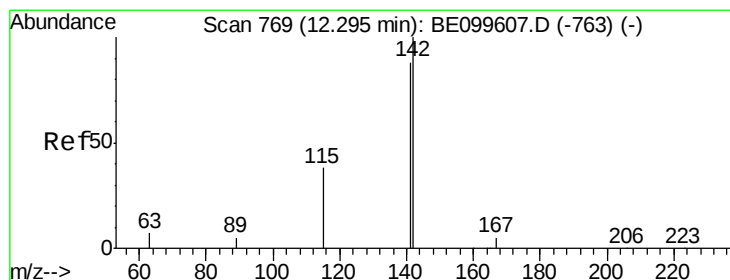
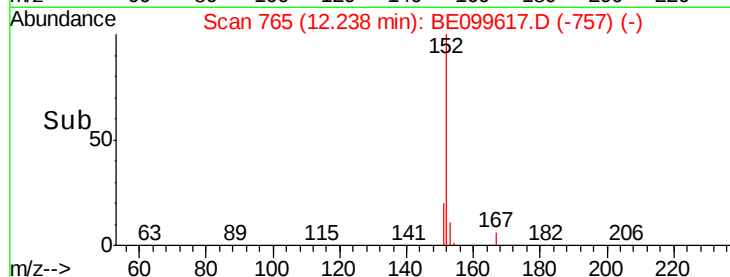


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.353 ng

RT: 12.31 min Scan# 770

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

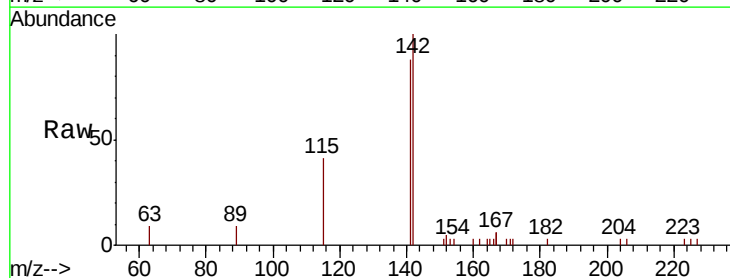
Tgt Ion:142 Resp: 3520

Ion Ratio Lower Upper

142 100

141 87.9 70.4 105.6

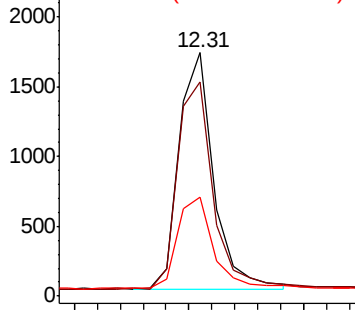
115 40.6 32.2 48.4



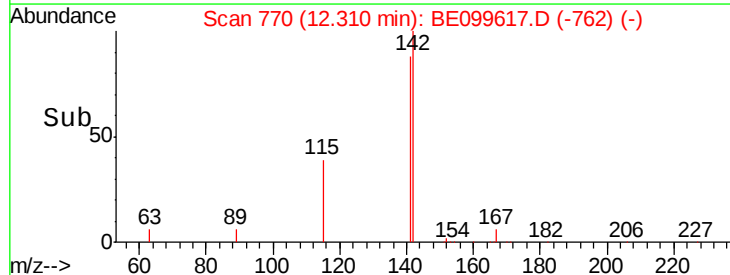
Abundance Ion 142.00 (141.70 to 142.70): E

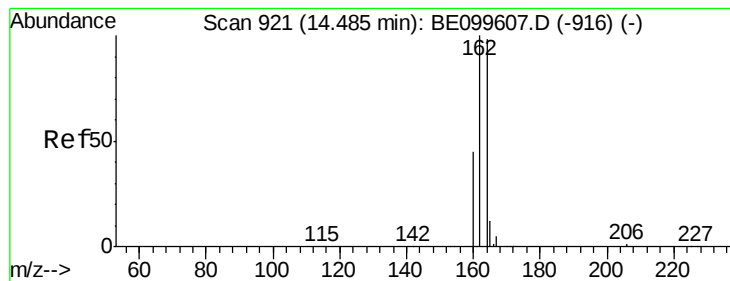
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

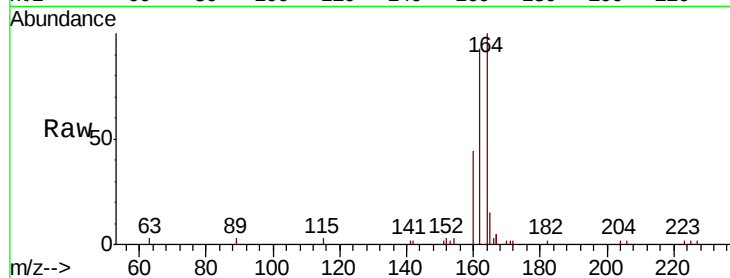
Tgt Ion:164 Resp: 3793

Ion Ratio Lower Upper

164 100

162 92.5 81.4 122.0

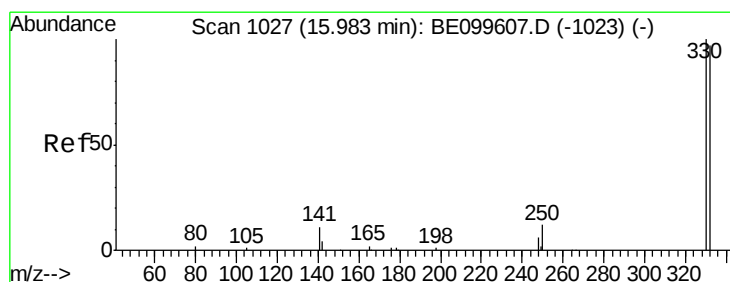
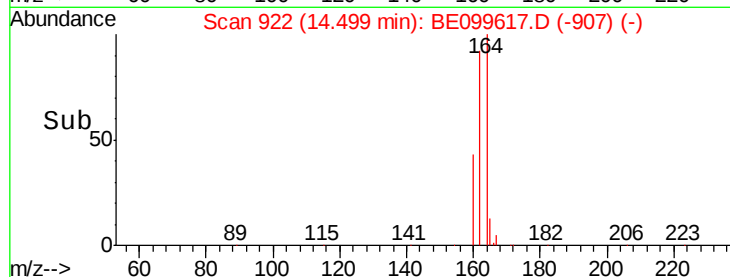
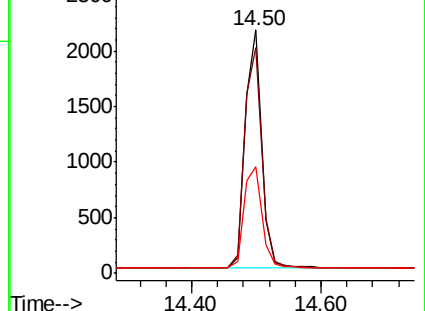
160 44.0 37.4 56.2



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: 0.323 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

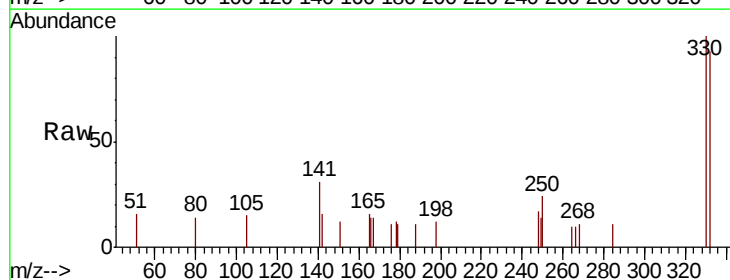
Tgt Ion:330 Resp: 837

Ion Ratio Lower Upper

330 100

332 88.8 73.8 110.8

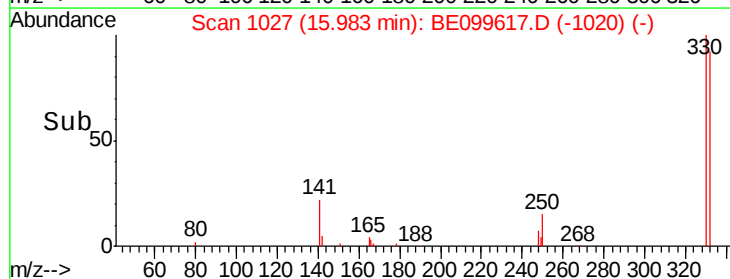
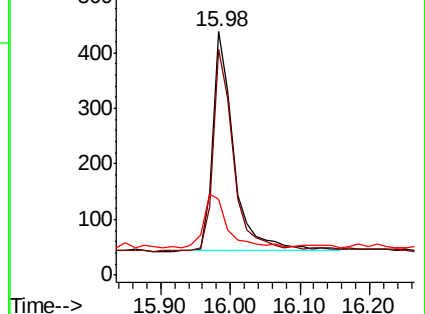
141 28.0 21.0 31.6



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

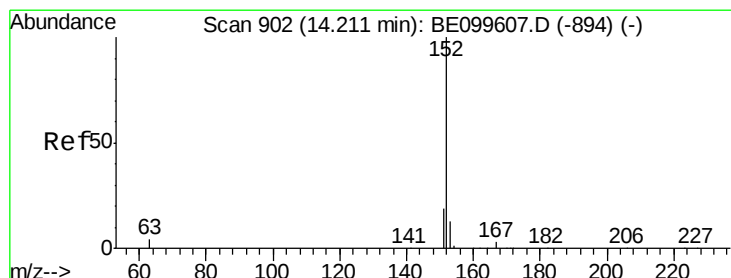
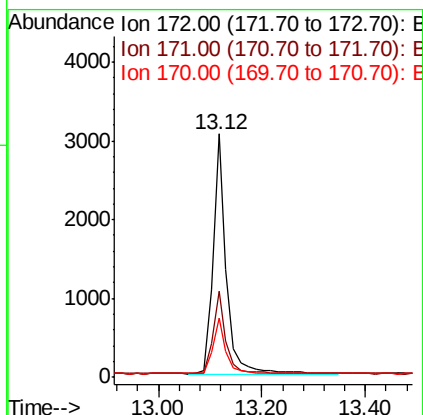
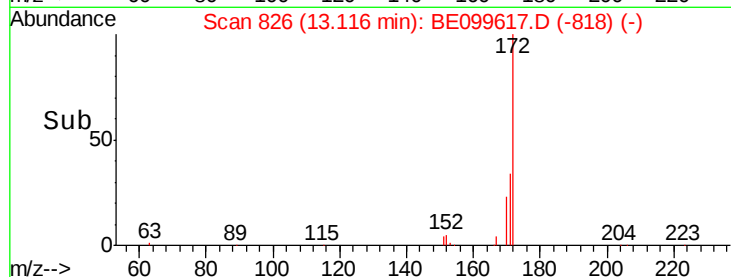
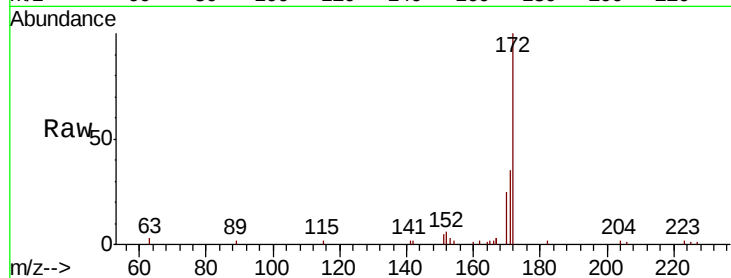




#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099617.D
Acq: 15 May 2019 18:27

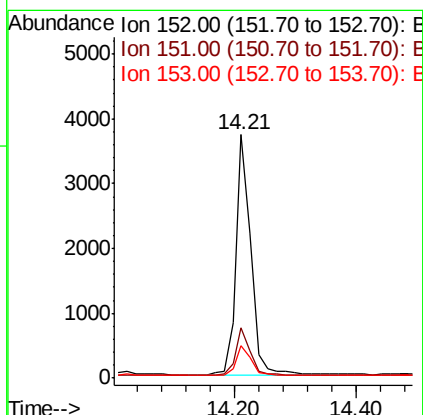
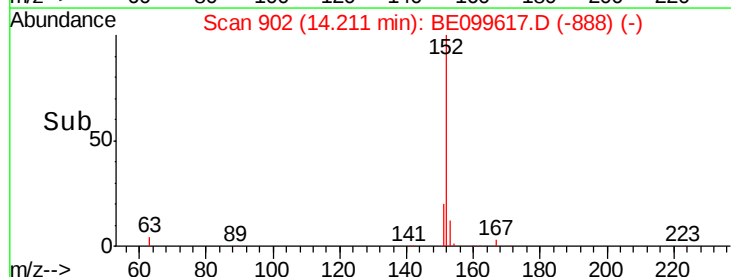
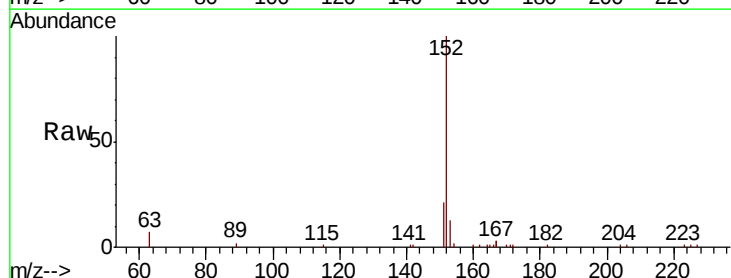
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

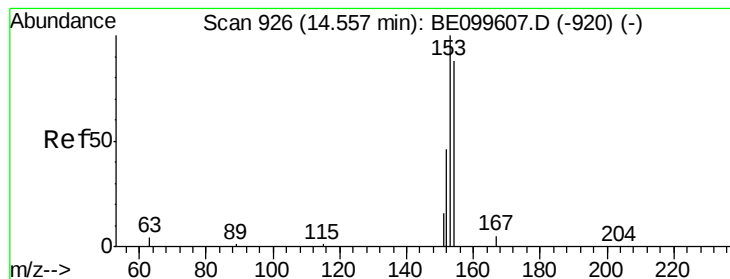
Tgt Ion:172 Resp: 5481
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.2
170 24.5 21.5 32.3



#16
Acenaphthylene
Concen: 0.357 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099617.D
Acq: 15 May 2019 18:27

Tgt Ion:152 Resp: 6392
Ion Ratio Lower Upper
152 100
151 19.1 15.6 23.4
153 12.2 10.4 15.6





#17

Acenaphthene

Concen: 0.365 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

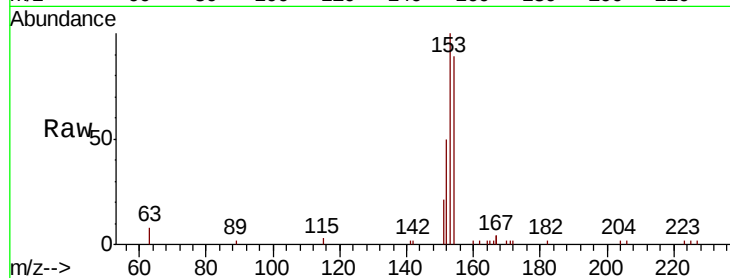
Tgt Ion:154 Resp: 3695

Ion Ratio Lower Upper

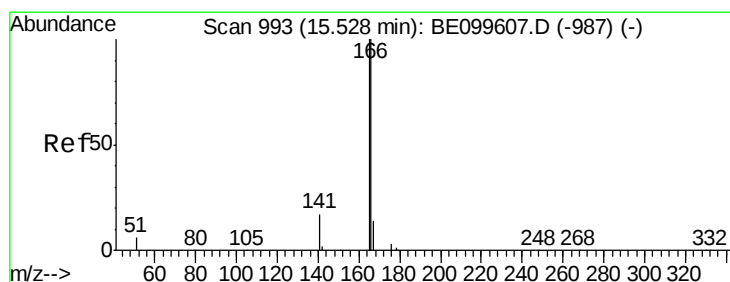
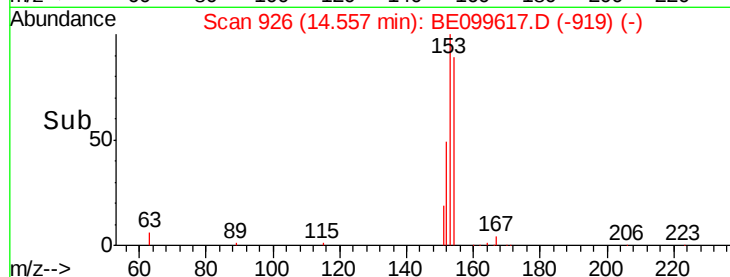
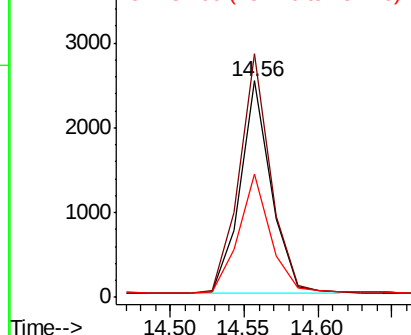
154 100

153 114.3 94.1 141.1

152 57.2 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: 0.349 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

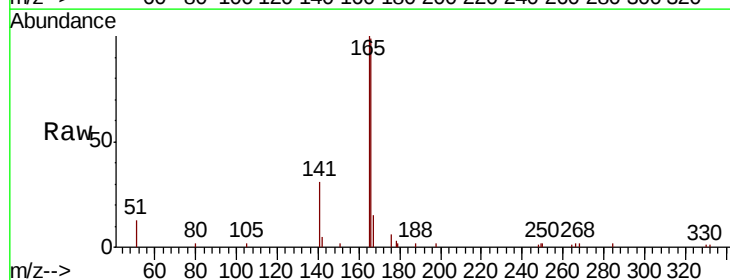
Tgt Ion:166 Resp: 5068

Ion Ratio Lower Upper

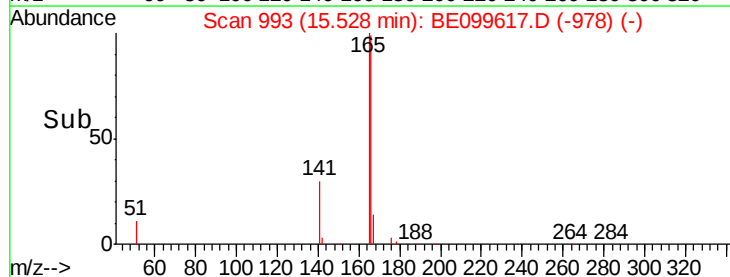
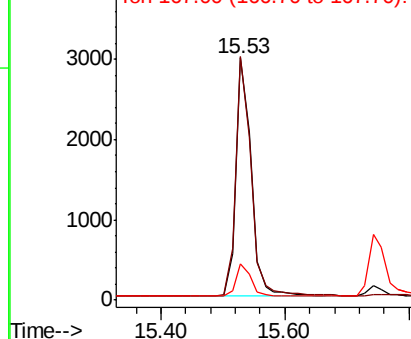
166 100

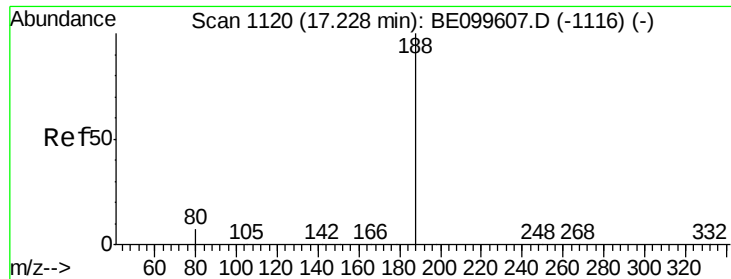
165 100.7 79.8 119.8

167 13.6 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: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

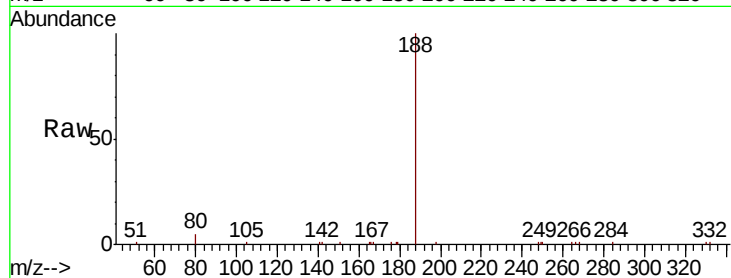
Tgt Ion:188 Resp: 11353

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.2 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

8000

6000

4000

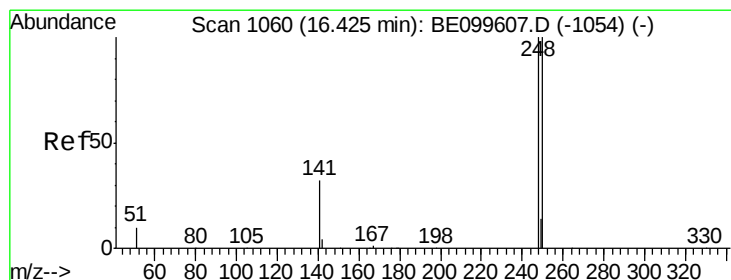
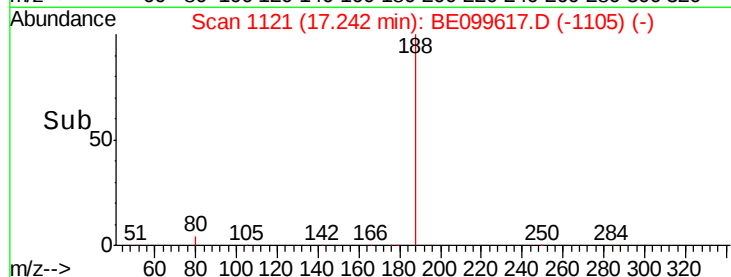
2000

0

17.24

17.20 17.40

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.344 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

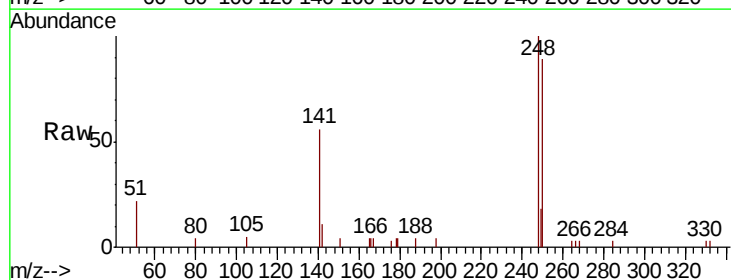
Tgt Ion:248 Resp: 2249

Ion Ratio Lower Upper

248 100

250 89.1 80.4 120.6

141 56.2 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

1500

1000

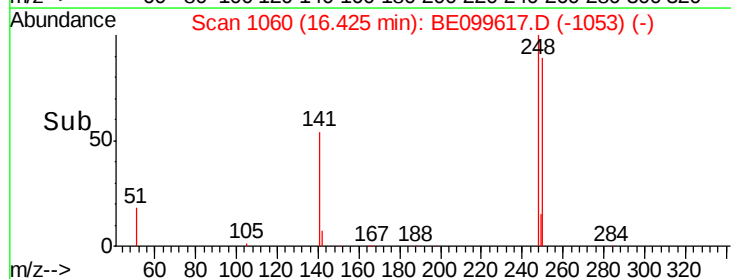
500

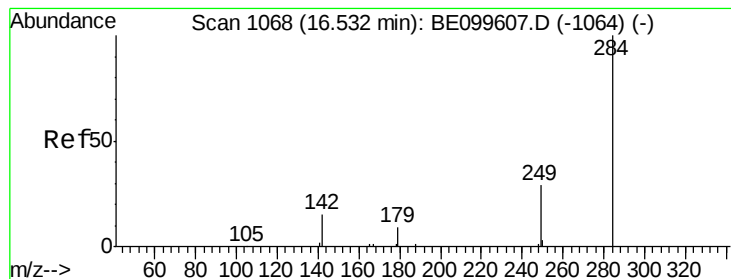
0

16.43

16.30 16.40 16.50

Time-->





#21

Hexachlorobenzene

Concen: 0.352 ng

RT: 16.55 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

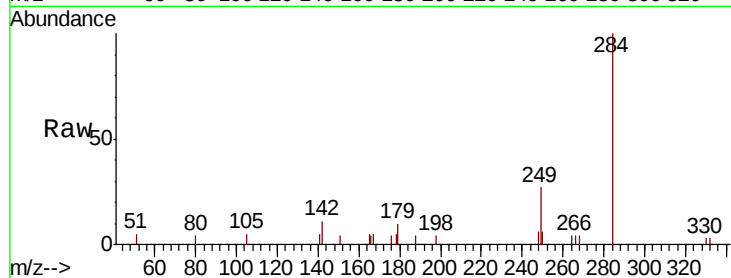
Tgt Ion:284 Resp: 2266

Ion Ratio Lower Upper

284 100

142 23.7 19.4 29.2

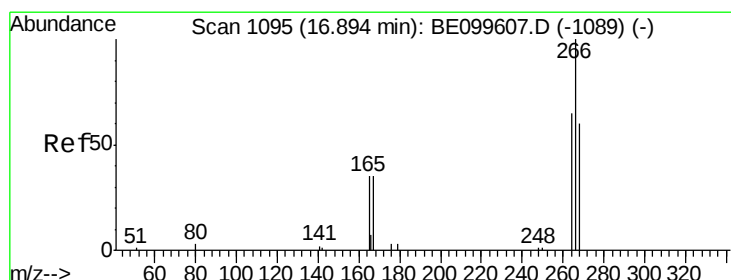
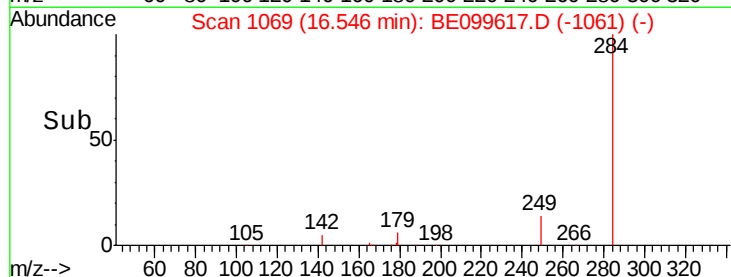
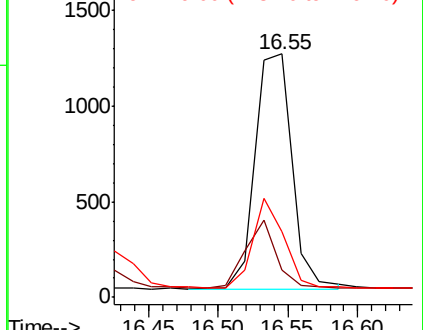
249 31.5 24.6 37.0



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: 0.431 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.03 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

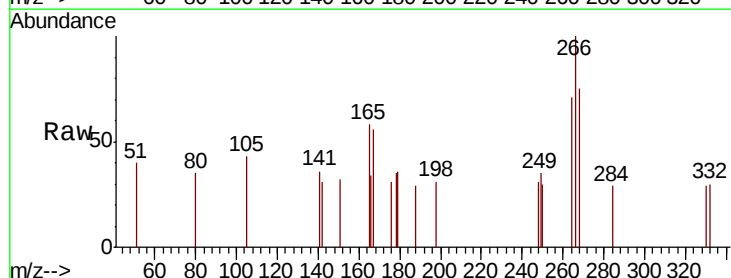
Tgt Ion:266 Resp: 584

Ion Ratio Lower Upper

266 100

264 71.4 57.7 86.5

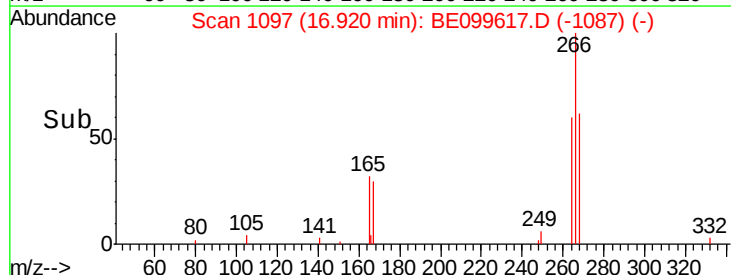
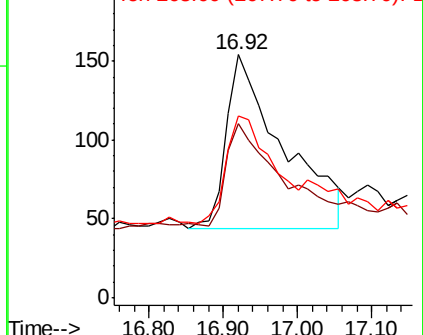
268 74.7 55.8 83.8



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: 0.340 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

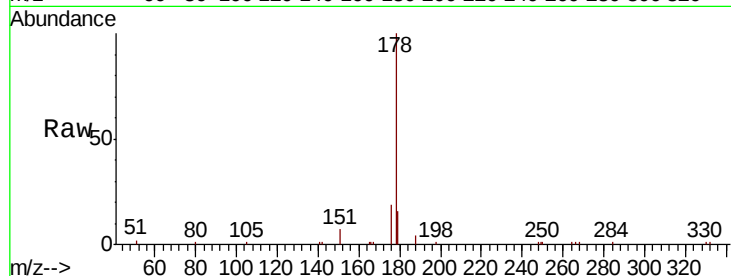
Tgt Ion:178 Resp: 9587

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

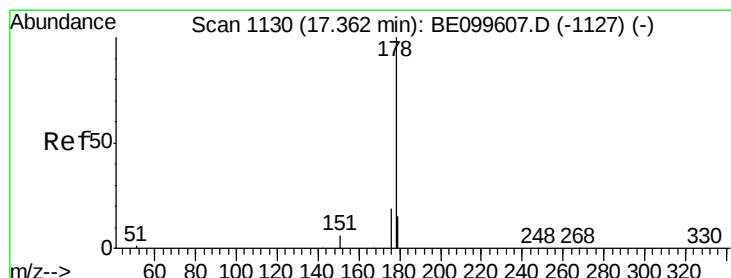
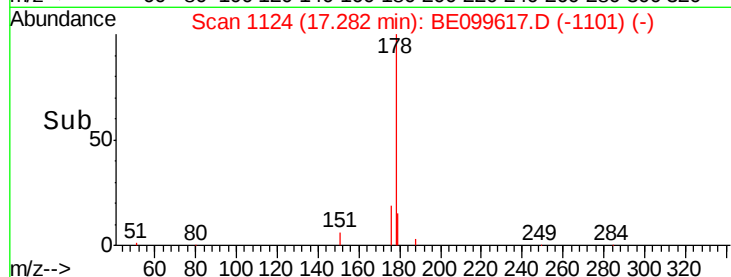
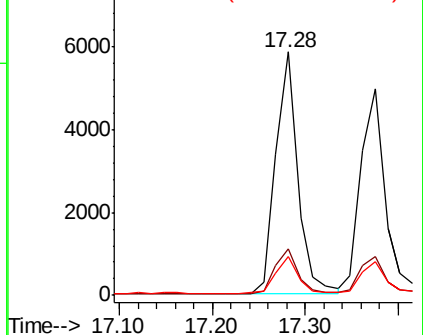
179 14.9 12.2 18.2



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: 0.332 ng

RT: 17.38 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

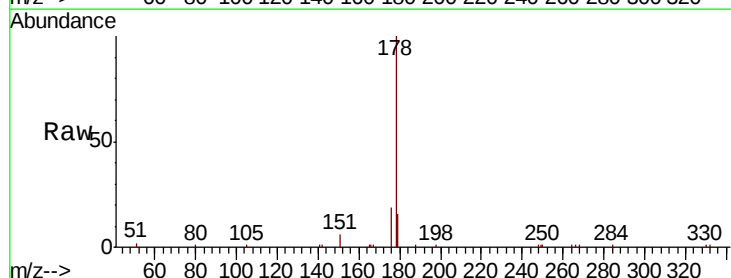
Tgt Ion:178 Resp: 8624

Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

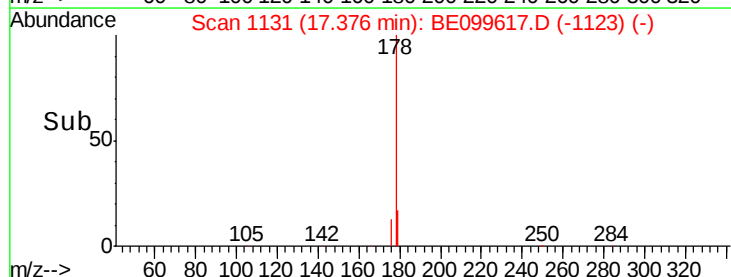
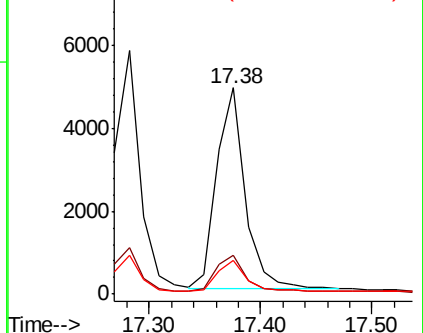
179 15.2 12.1 18.1

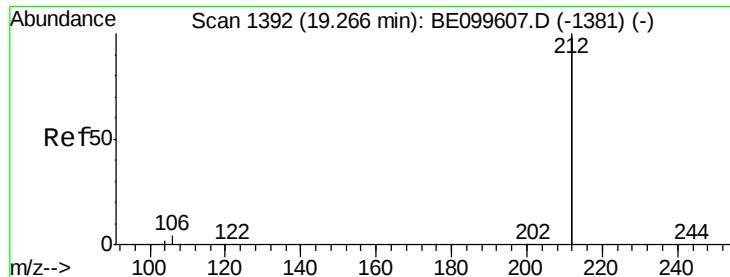


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.350 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

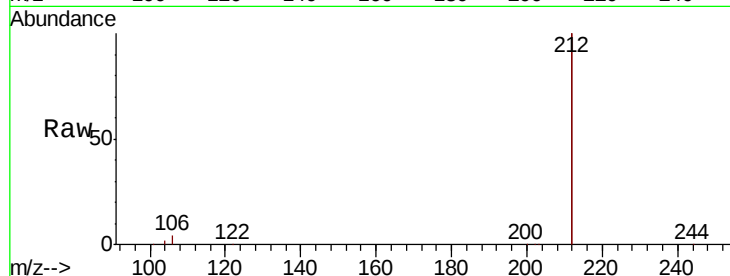
Tgt Ion:212 Resp: 52796

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

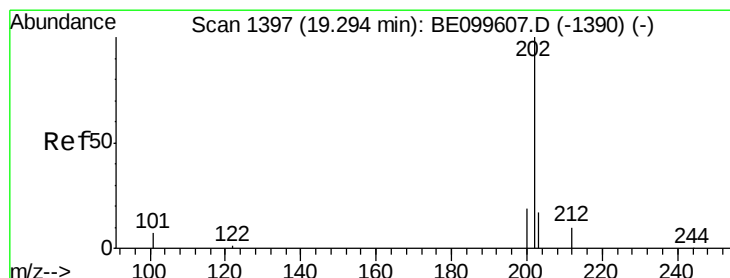
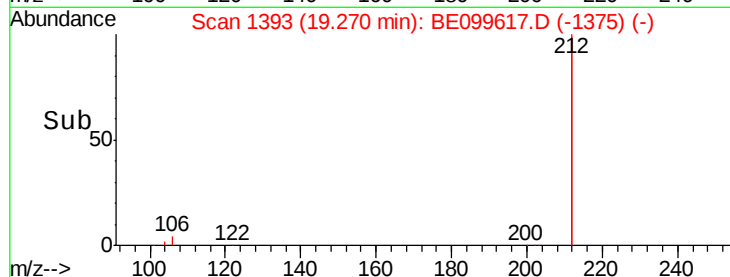
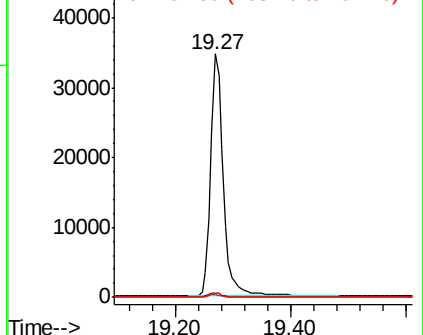
104 1.1 0.9 1.3



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: 0.353 ng

RT: 19.30 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

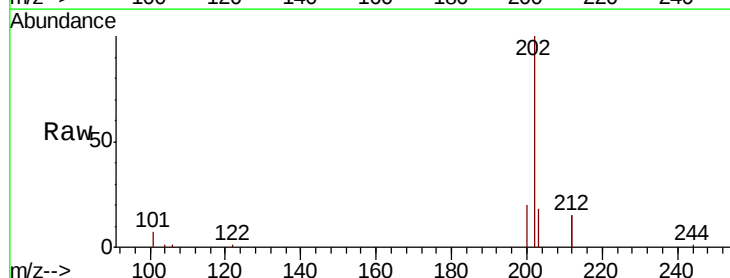
Tgt Ion:202 Resp: 15063

Ion Ratio Lower Upper

202 100

101 6.4 5.0 7.6

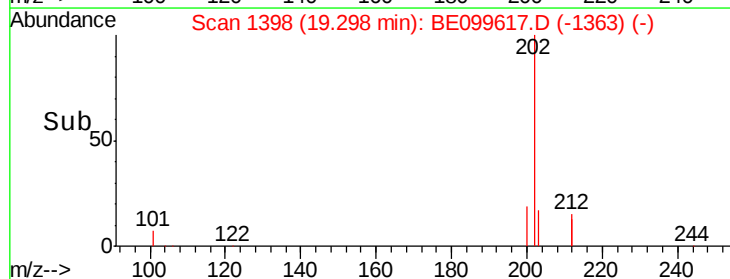
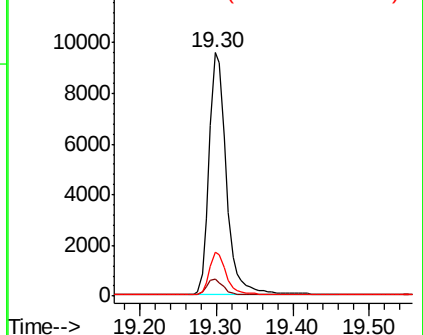
203 16.8 13.7 20.5

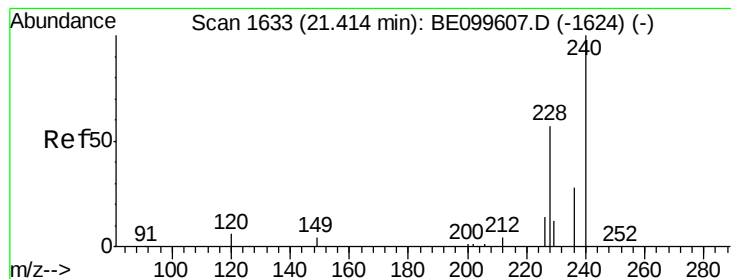


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.43 min Scan# 1635

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

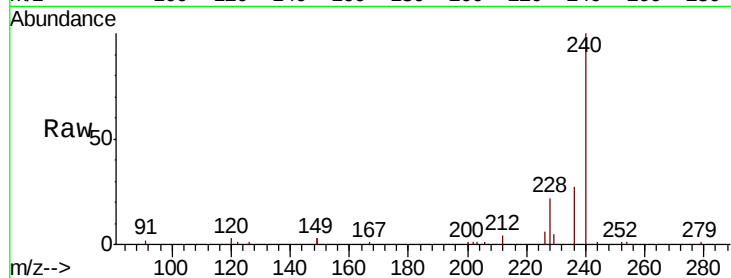
Tgt Ion:240 Resp: 16709

Ion Ratio Lower Upper

240 100

120 3.5 5.7 8.5#

236 26.8 22.8 34.2

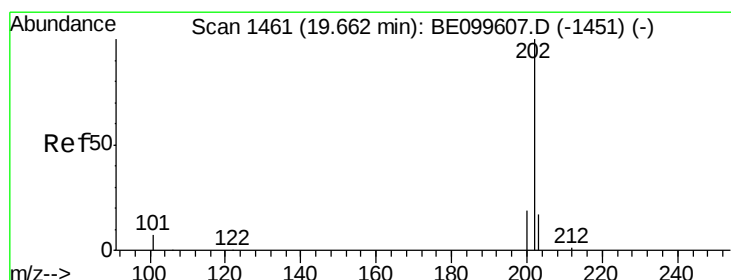
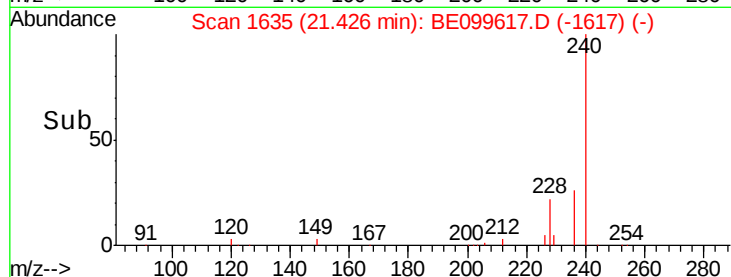
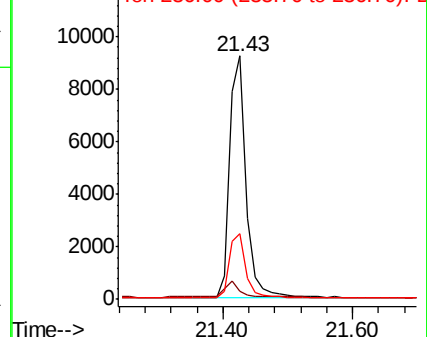


Abundance

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: 0.371 ng

RT: 19.67 min Scan# 1462

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

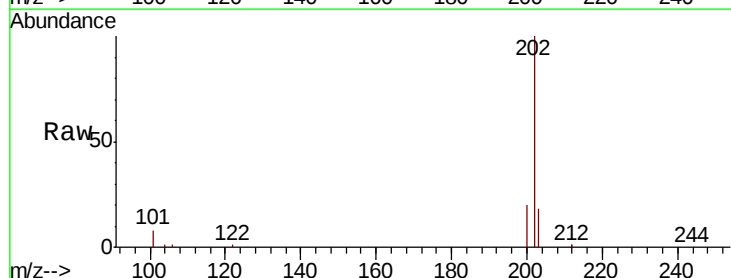
Tgt Ion:202 Resp: 15812

Ion Ratio Lower Upper

202 100

200 19.6 15.8 23.6

203 17.5 14.1 21.1

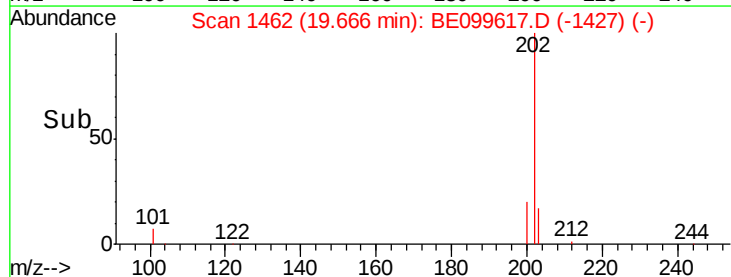
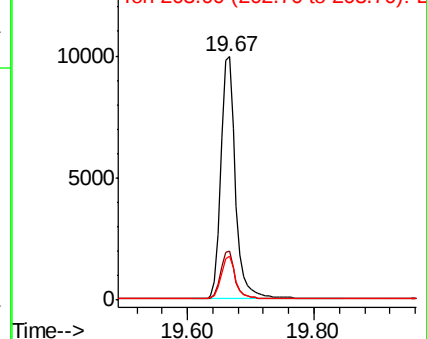


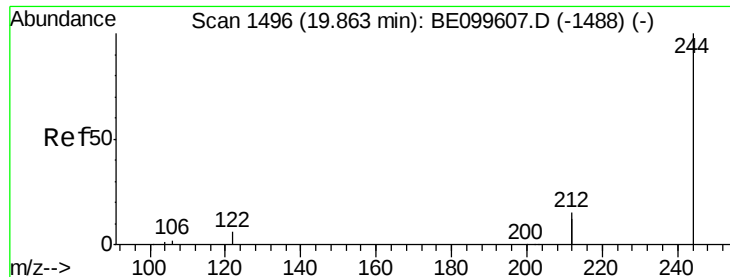
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.357 ng

RT: 19.87 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

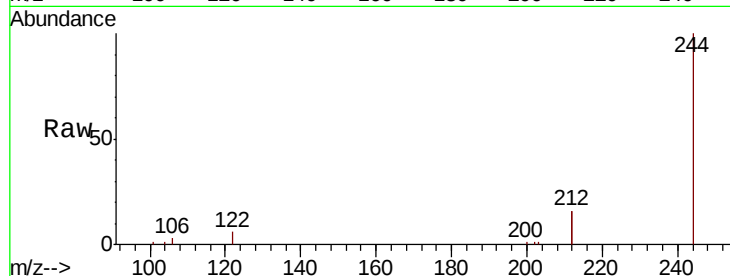
Tgt Ion:244 Resp: 10738

Ion Ratio Lower Upper

244 100

212 31.8 23.8 35.6

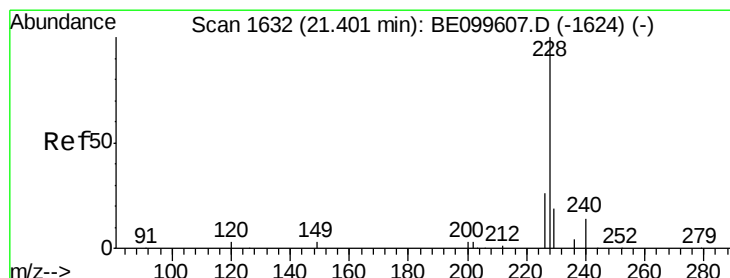
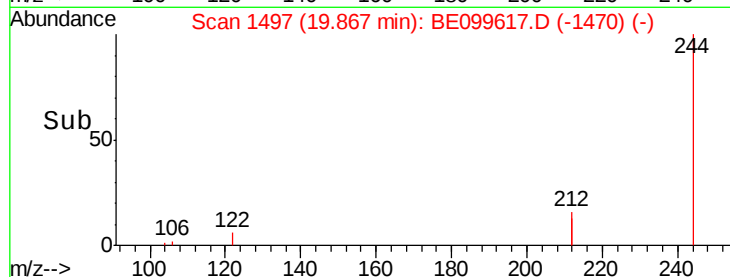
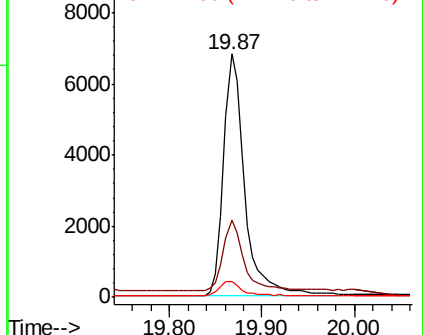
122 6.3 5.0 7.6



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: 0.402 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

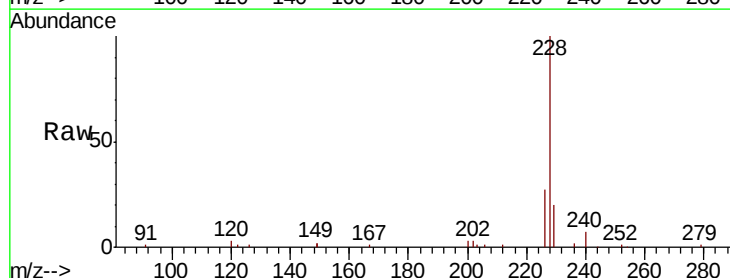
Tgt Ion:228 Resp: 20277

Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.2

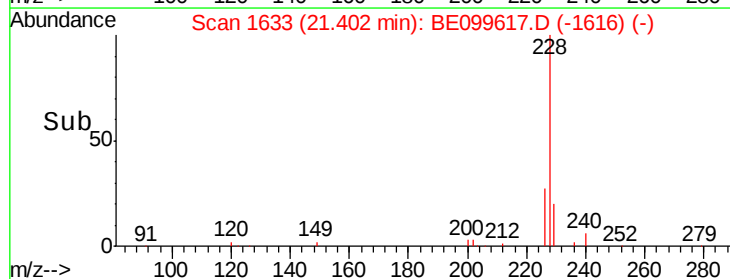
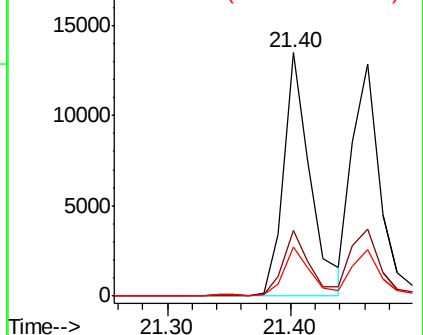
229 20.2 15.8 23.8

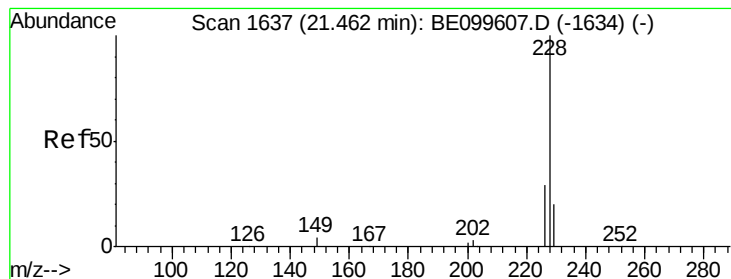


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.385 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

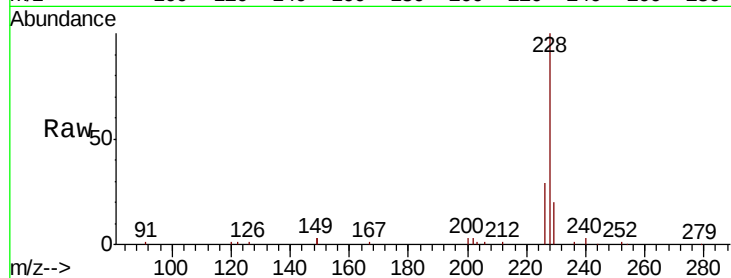
Tgt Ion:228 Resp: 20007

Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.4

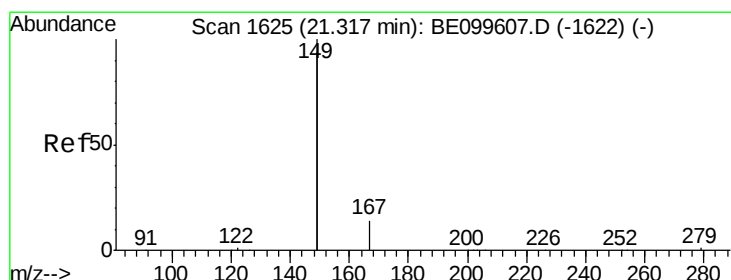
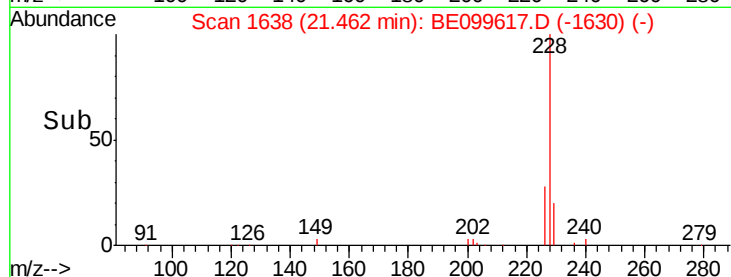
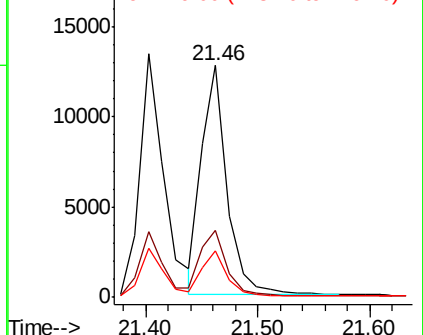
229 20.3 16.4 24.6



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: 0.347 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

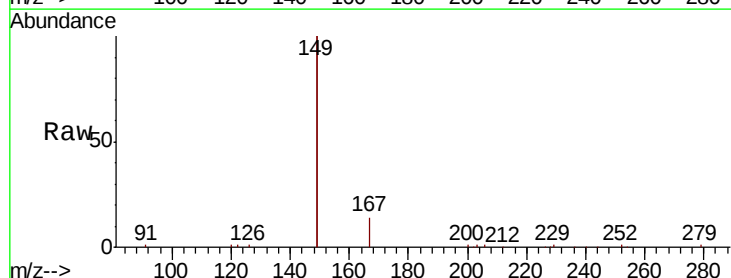
Tgt Ion:149 Resp: 27021

Ion Ratio Lower Upper

149 100

167 7.5 6.0 9.0

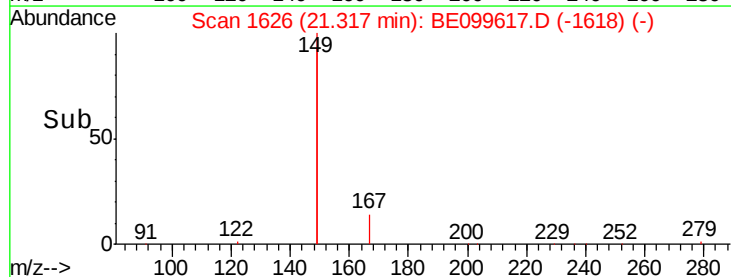
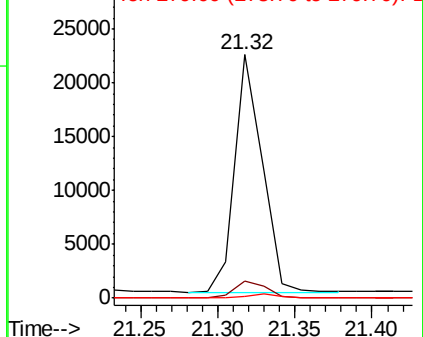
279 1.3 1.1 1.7

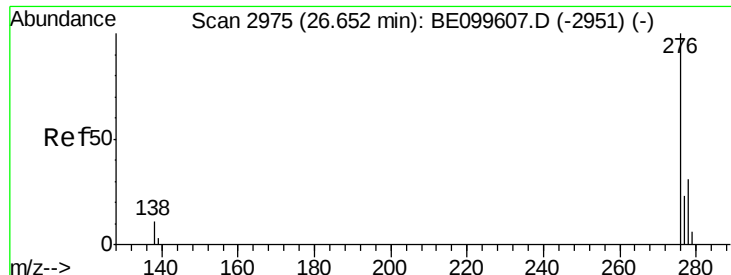


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.399 ng

RT: 26.67 min Scan# 2980

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

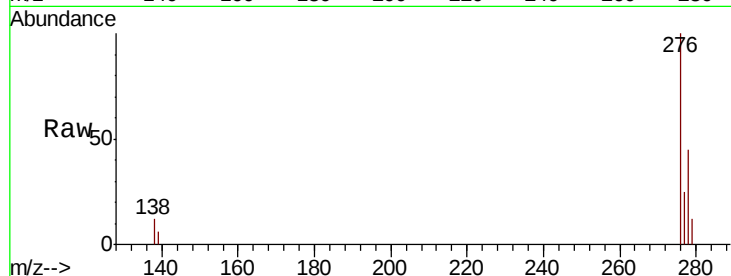
Tgt Ion:276 Resp: 25823

Ion Ratio Lower Upper

276 100

138 12.3 10.0 15.0

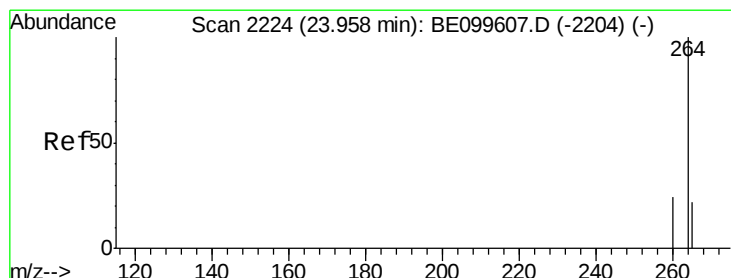
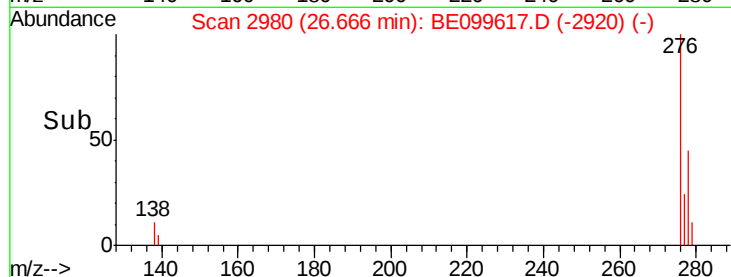
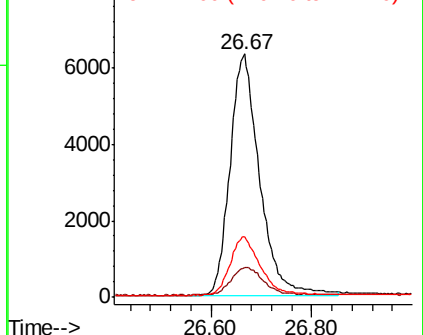
277 24.3 19.1 28.7



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: 23.97 min Scan# 2227

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

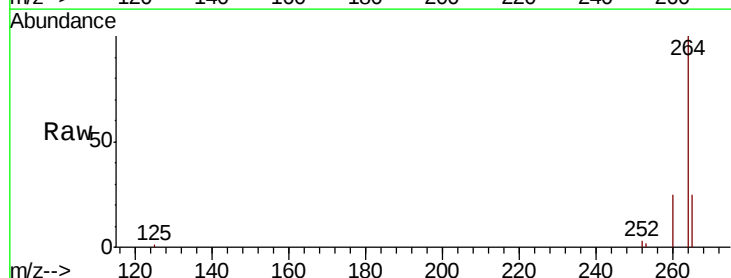
Tgt Ion:264 Resp: 20524

Ion Ratio Lower Upper

264 100

260 24.9 19.7 29.5

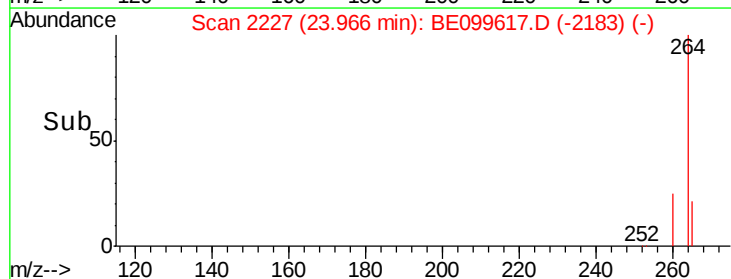
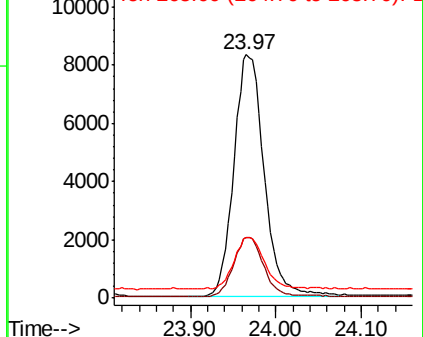
265 25.0 21.2 31.8



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: 0.357 ng

RT: 23.18 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

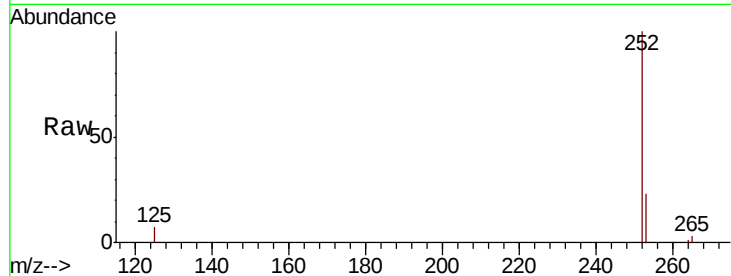
Tgt Ion:252 Resp: 20482

Ion Ratio Lower Upper

252 100

253 22.7 19.1 28.7

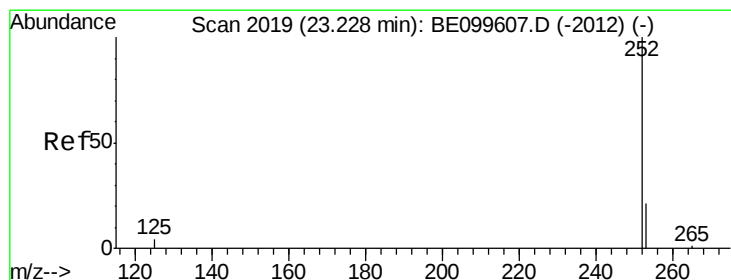
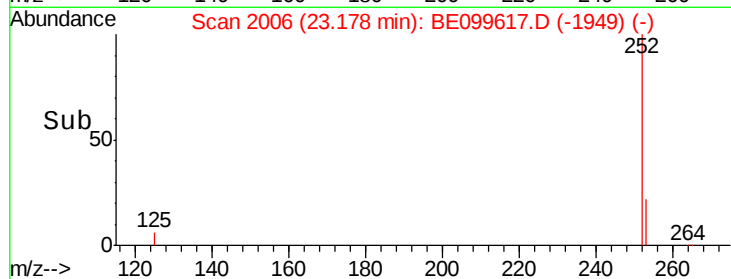
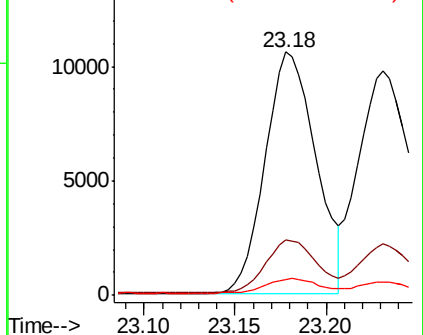
125 6.6 7.8 11.8#



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: 0.369 ng

RT: 23.23 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

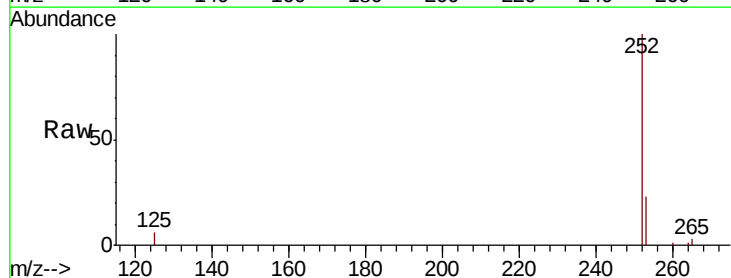
Tgt Ion:252 Resp: 20933

Ion Ratio Lower Upper

252 100

253 22.8 18.6 28.0

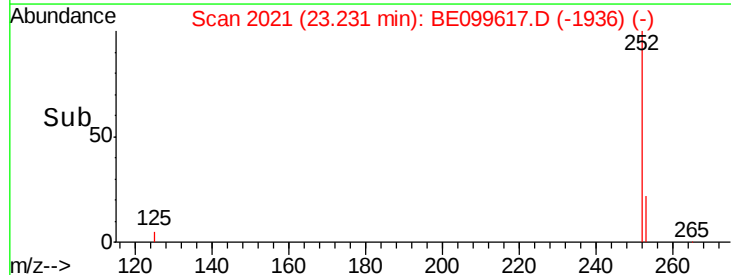
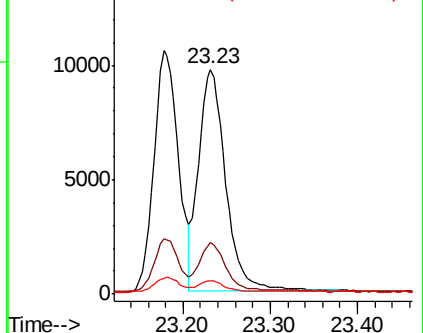
125 5.8 5.2 7.8



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: 0.358 ng

RT: 23.85 min Scan# 2195

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

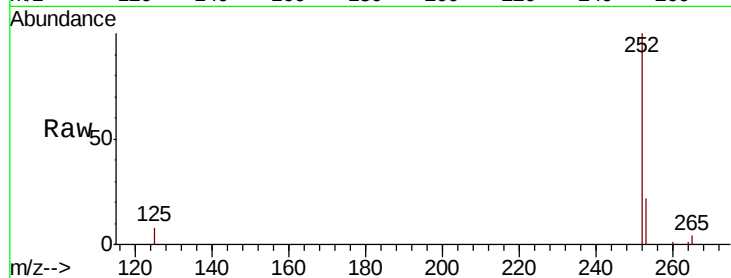
Tgt Ion:252 Resp: 19915

Ion Ratio Lower Upper

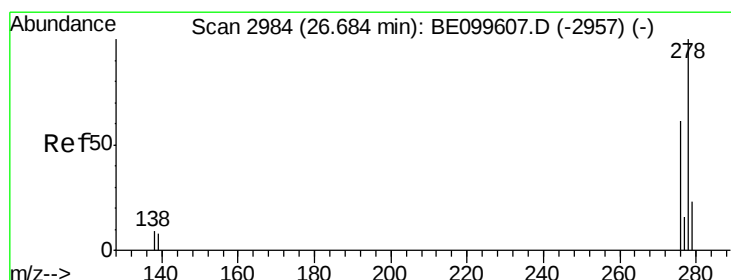
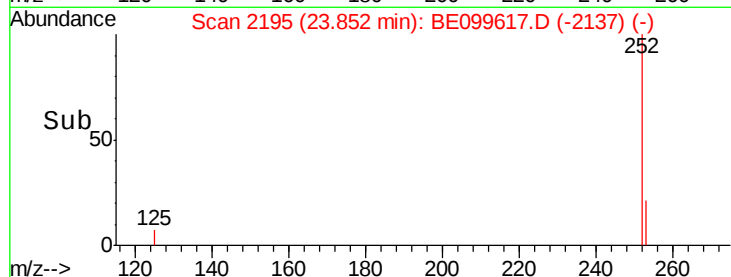
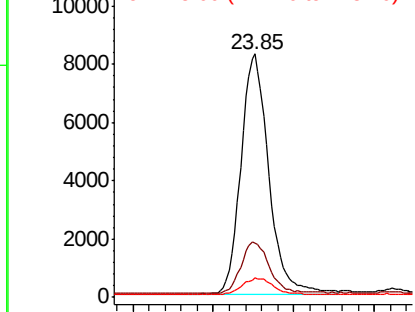
252 100

253 22.3 19.0 28.6

125 8.1 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: 0.363 ng

RT: 26.69 min Scan# 2987

Delta R.T. 0.01 min

Lab File: BE099617.D

Acq: 15 May 2019 18:27

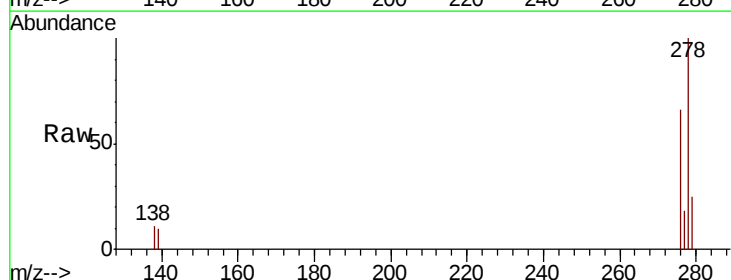
Tgt Ion:278 Resp: 20950

Ion Ratio Lower Upper

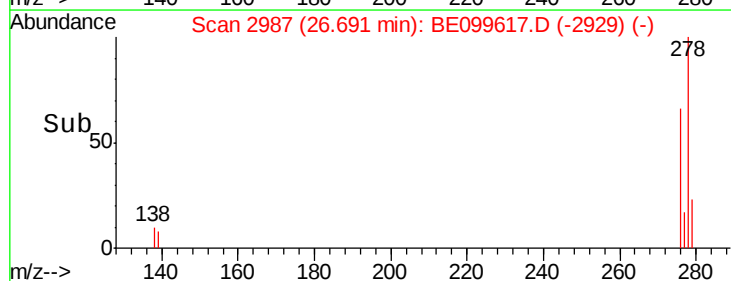
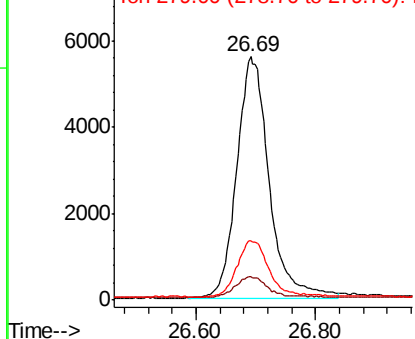
278 100

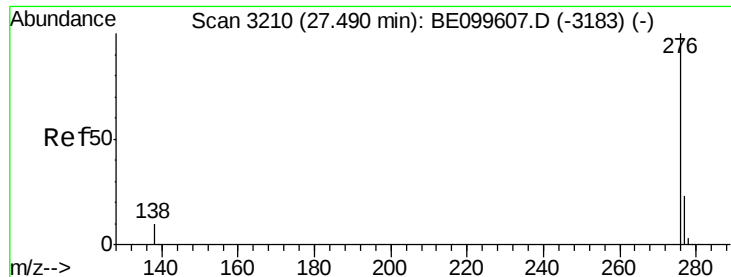
139 9.6 7.9 11.9

279 24.5 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: 0.370 ng

RT: 27.50 min Scan# 3213

Delta R.T. 0.01 min

Lab File: BE099617.D

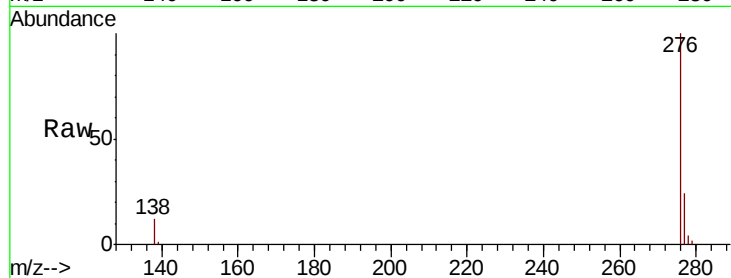
Acq: 15 May 2019 18:27

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion: 276 Resp: 21430

Ion Ratio Lower Upper

276 100

277 24.2 19.3 28.9

138 11.6 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

