

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099139.D
 Acq On : 24 Mar 2019 8:40
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Mar 24 23:03:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	5657	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	25842	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	18861	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	50261	0.40	ng	0.00
27) Chrysene-d12	21.39	240	57538	0.40	ng	0.00
34) Perylene-d12	23.89	264	61486	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	7879	0.47	ng	0.00
5) Phenol-d6	6.99	99	12175	0.50	ng	0.00
8) Nitrobenzene-d5	8.99	82	10236	0.91	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	21586	0.46	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	4717	0.85	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	35072	0.47	ng	-0.01
25) Fluoranthene-d10	19.24	212	262470	0.39	ng	0.00
29) Terphenyl-d14	19.83	244	58347	0.48	ng	0.00

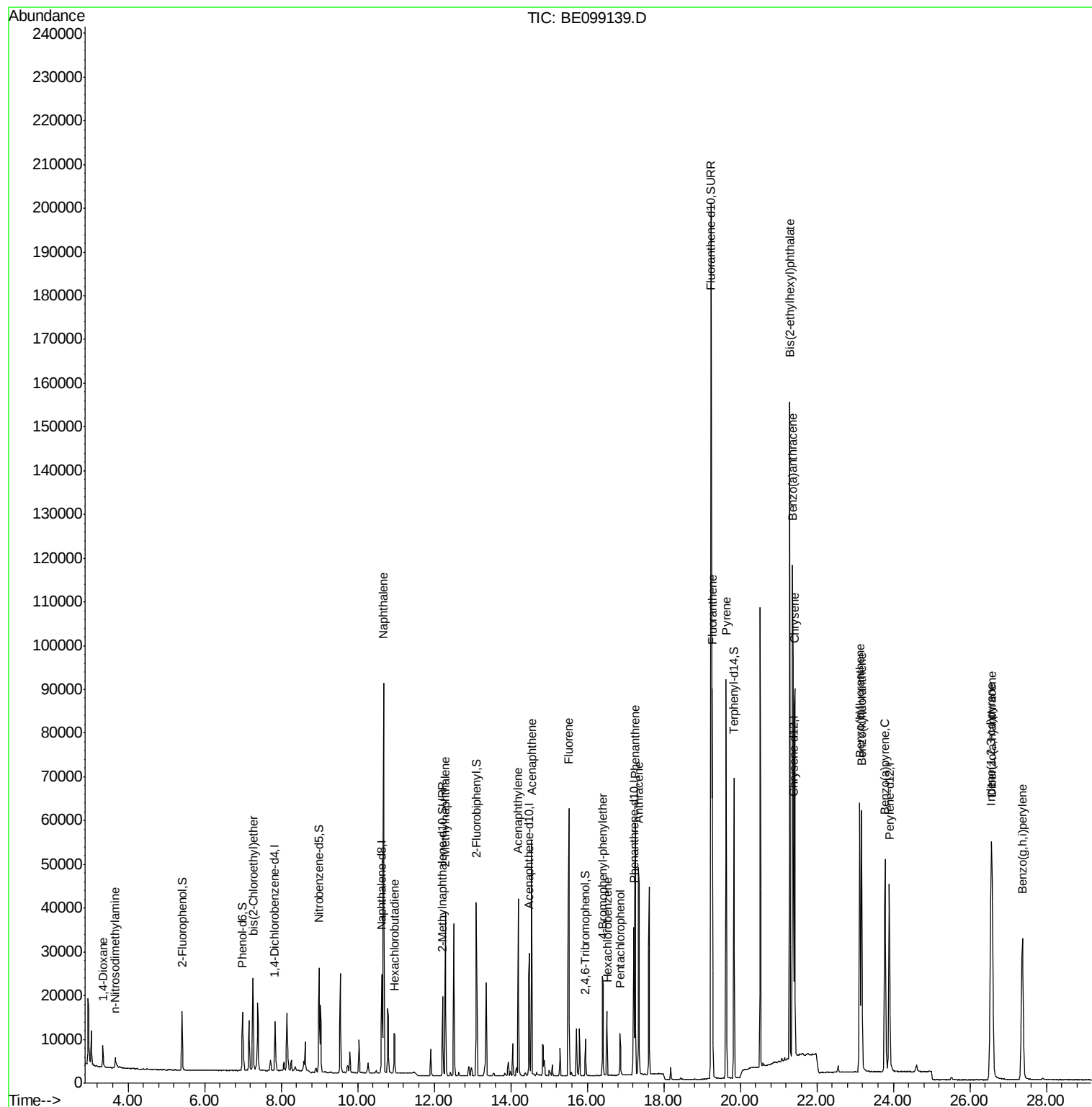
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	3405	0.388	ng	# 94
3) n-Nitrosodimethylamine	3.66	42	2083	0.460	ng	# 88
6) bis(2-Chloroethyl)ether	7.27	93	9223	0.468	ng	# 87
9) Naphthalene	10.68	128	133722	0.439	ng	98
10) Hexachlorobutadiene	10.97	225	7138	0.479	ng	99
12) 2-Methylnaphthalene	12.30	142	24178	0.464	ng	95
16) Acenaphthylene	14.20	152	43886	0.436	ng	97
17) Acenaphthene	14.54	154	25526	0.428	ng	98
18) Fluorene	15.52	166	35712	0.410	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	13358	0.480	ng	# 61
21) Hexachlorobenzene	16.52	284	12586	0.487	ng	92
22) Pentachlorophenol	16.85	266	5271	0.749	ng	# 77
23) Phenanthrene	17.26	178	62115	0.416	ng	100
24) Anthracene	17.34	178	58509	0.414	ng	99
26) Fluoranthene	19.27	202	80213	0.382	ng	99
28) Pyrene	19.63	202	82966	0.425	ng	98
30) Benzo(a)anthracene	21.37	228	85654	0.422	ng	98
31) Chrysene	21.43	228	86647	0.428	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	150117	0.571	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	97430	0.447	ng	100
35) Benzo(b)fluoranthene	23.12	252	85798	0.403	ng	98
36) Benzo(k)fluoranthene	23.17	252	84430	0.405	ng	97
37) Benzo(a)pyrene	23.78	252	80404	0.409	ng	# 94
38) Dibenzo(a,h)anthracene	26.58	278	80006	0.419	ng	95
39) Benzo(g,h,i)perylene	27.37	276	80099	0.408	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.84 min Scan# 432

Delta R.T. -0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

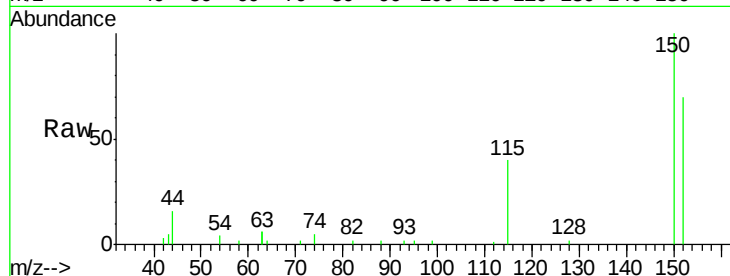
Tot Ion:152 Resp: 5657

Ion Ratio Lower Upper

152 100

150 143.3 122.5 183.7

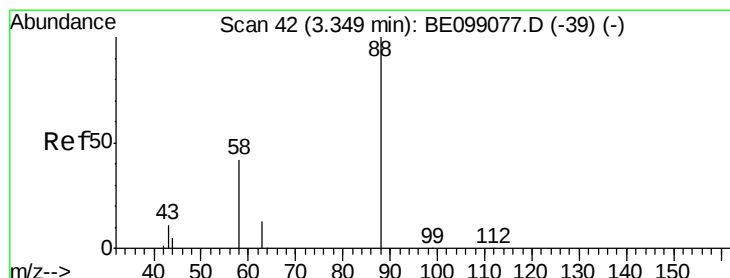
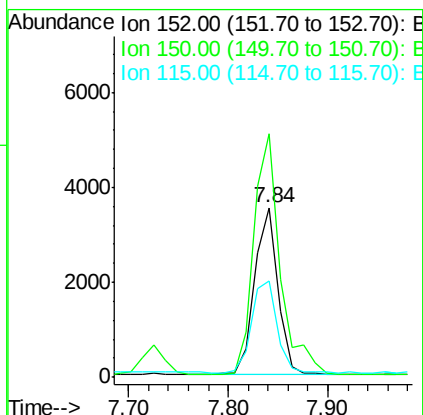
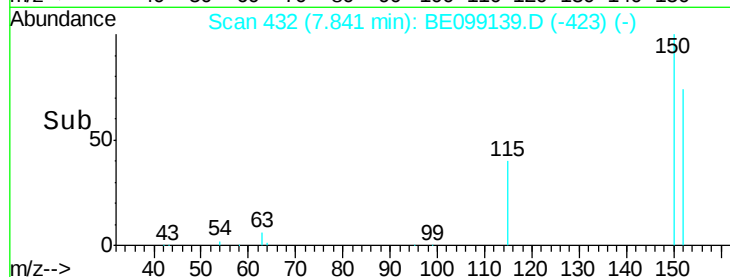
115 57.0 57.4 86.2#



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: 0.388 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

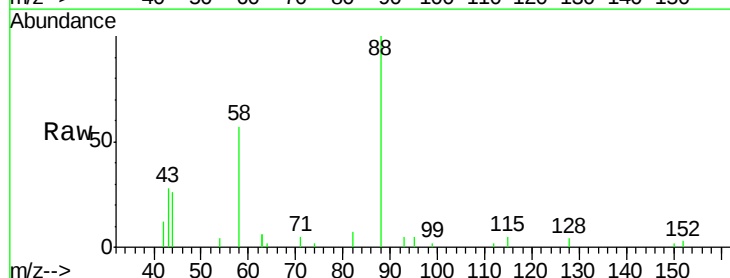
Tgt Ion: 88 Resp: 3405

Ion Ratio Lower Upper

88 100

58 62.6 52.0 78.0

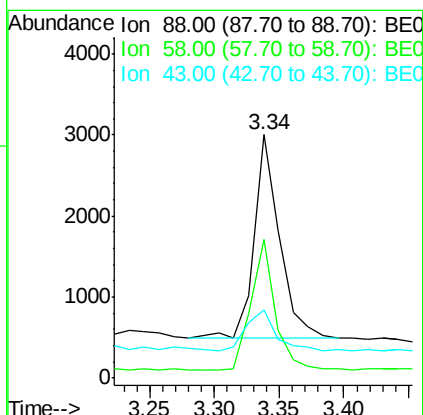
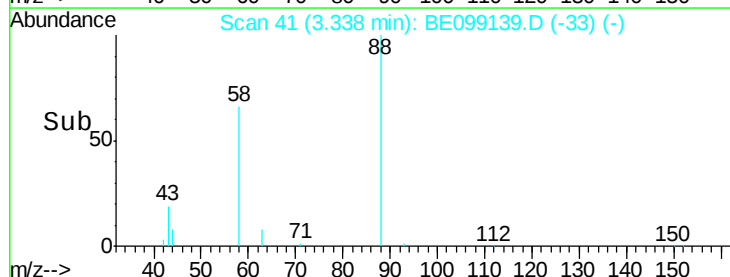
43 23.5 24.0 36.0#



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: 0.460 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.02 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

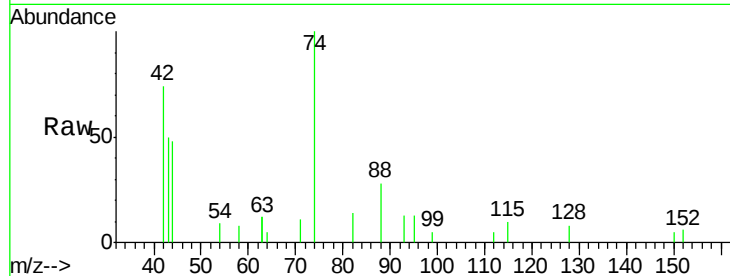
Tot Ion: 42 Resp: 2083

Ion Ratio Lower Upper

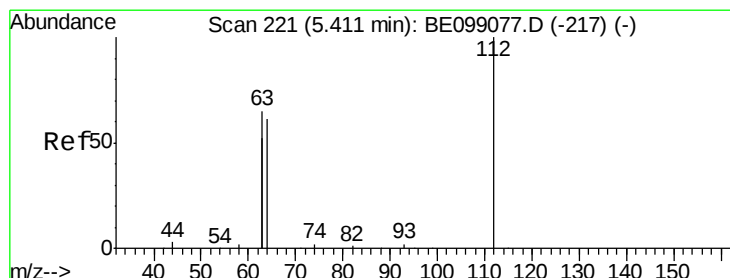
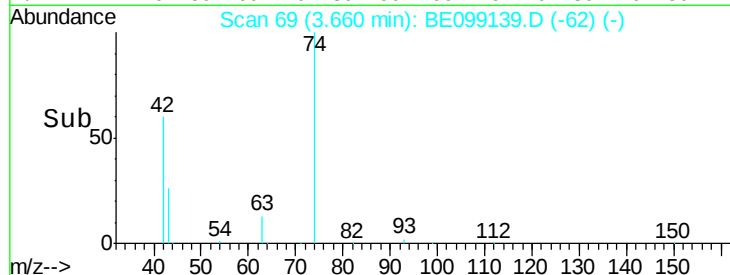
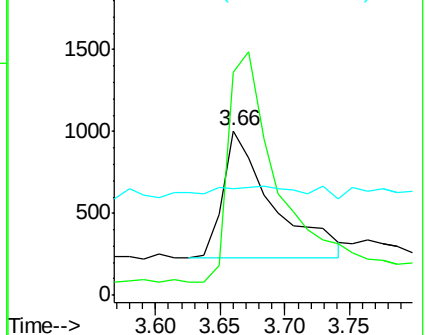
42 100

74 181.3 160.0 240.0

44 0.0 0.0 0.0



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



#4

2-Fluorophenol

Concen: 0.468 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

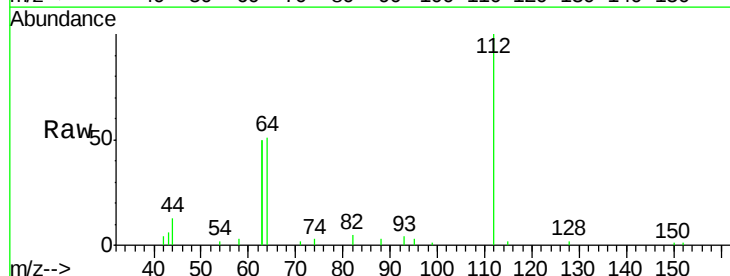
Tgt Ion: 112 Resp: 7879

Ion Ratio Lower Upper

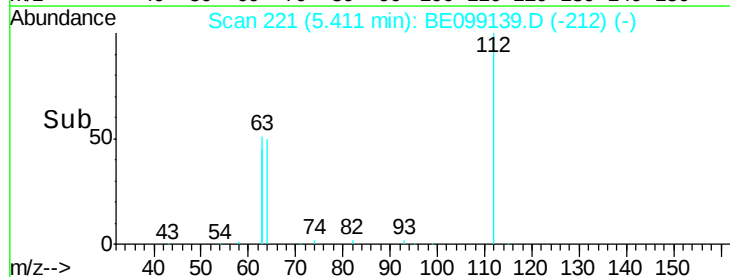
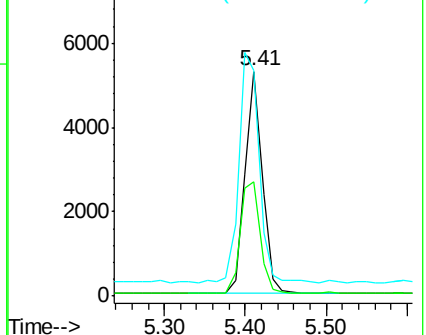
112 100

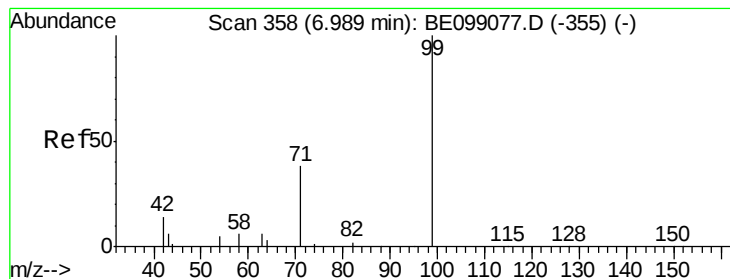
64 58.2 57.9 86.9

63 119.9 158.3 237.5#



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: 0.502 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

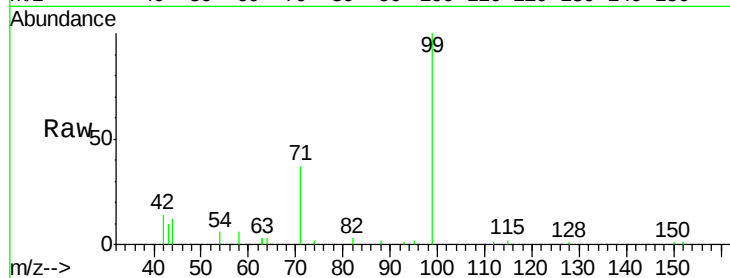
Tot Ion: 99 Resp: 12175

Ion Ratio Lower Upper

99 100

42 15.1 24.2 36.2#

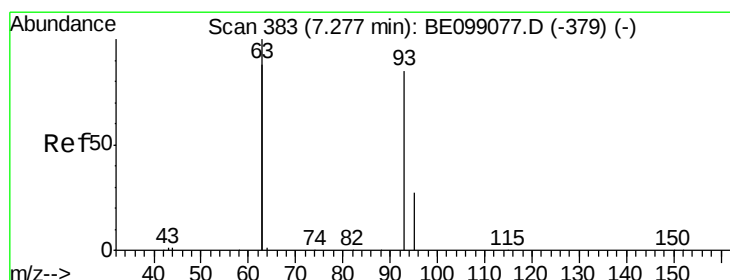
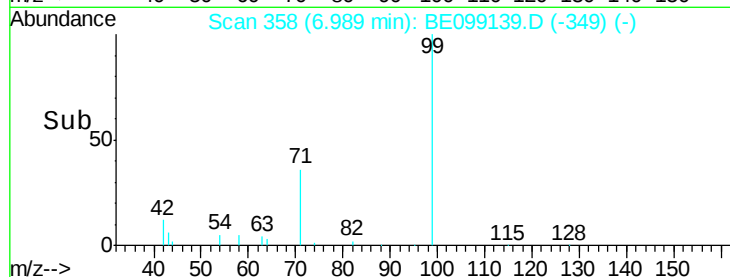
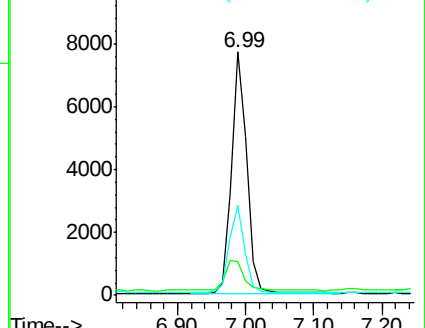
71 36.2 35.7 53.5



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: 0.468 ng

RT: 7.27 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

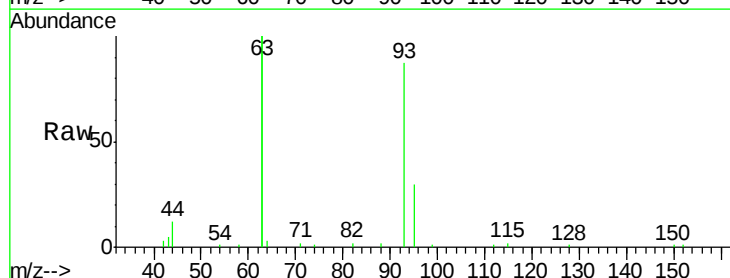
Tgt Ion: 93 Resp: 9223

Ion Ratio Lower Upper

93 100

63 283.5 247.5 371.3

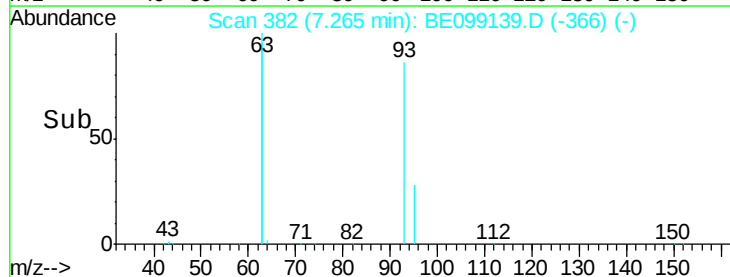
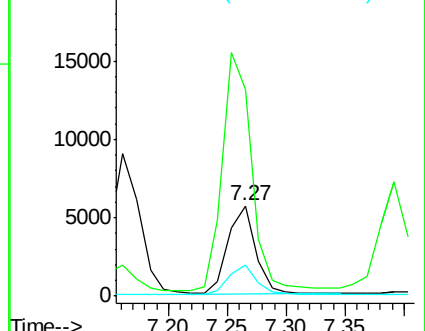
95 32.9 21.8 32.8#

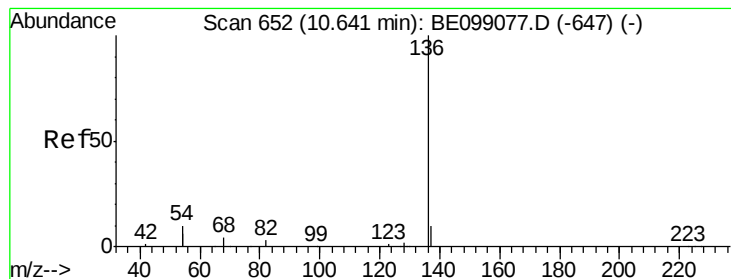


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 25842

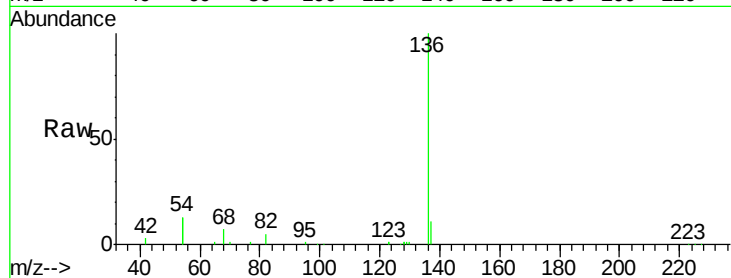
Ion Ratio Lower Upper

136 100

137 11.1 11.4 17.0#

54 26.7 39.3 58.9#

68 7.2 6.7 10.1

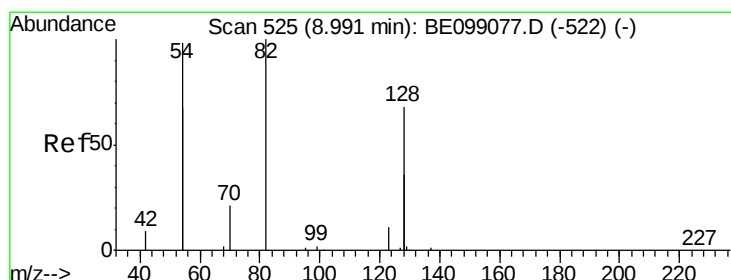
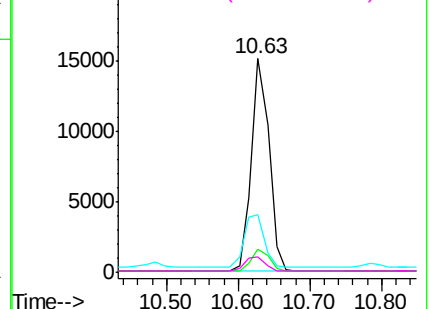
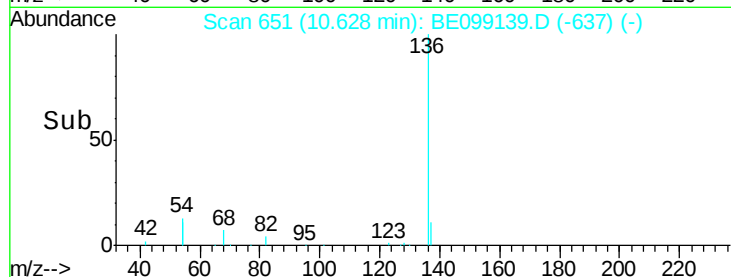


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.906 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

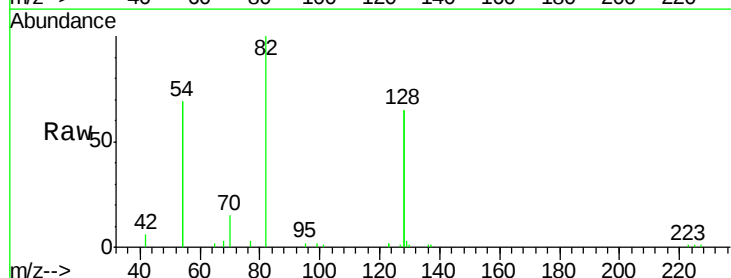
Tgt Ion: 82 Resp: 10236

Ion Ratio Lower Upper

82 100

128 130.4 123.8 185.8

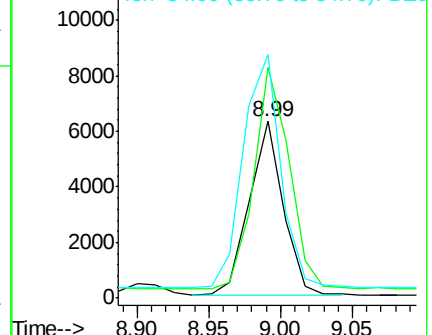
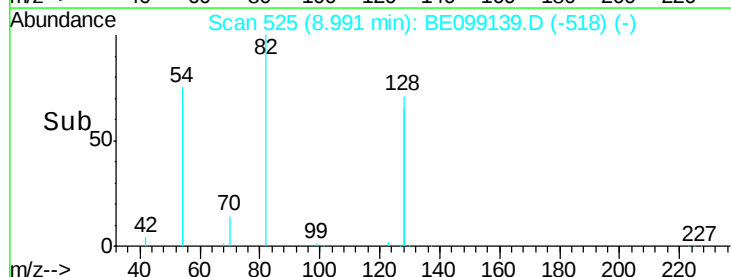
54 137.6 203.4 305.2#

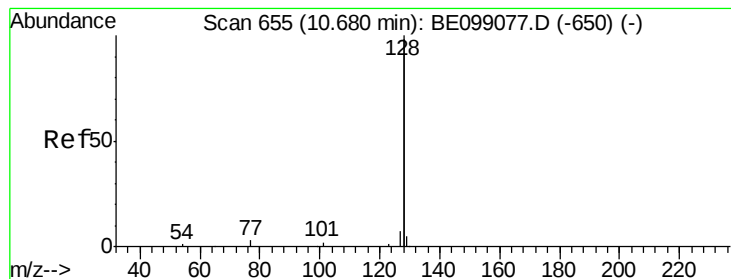


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.439 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

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ClientSampleId :

SSTDCCC0.4EC

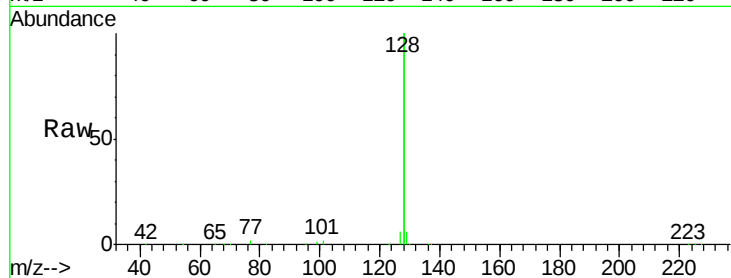
Tot Ion:128 Resp: 133722

Ion Ratio Lower Upper

128 100

129 2.8 2.6 4.0

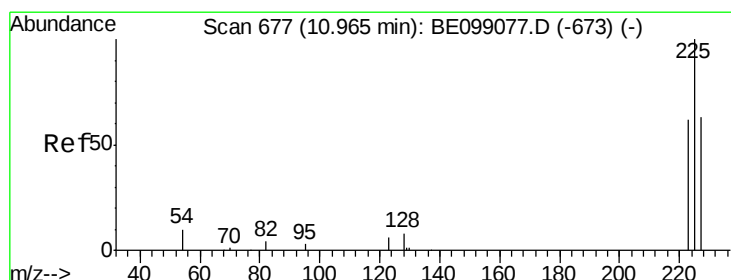
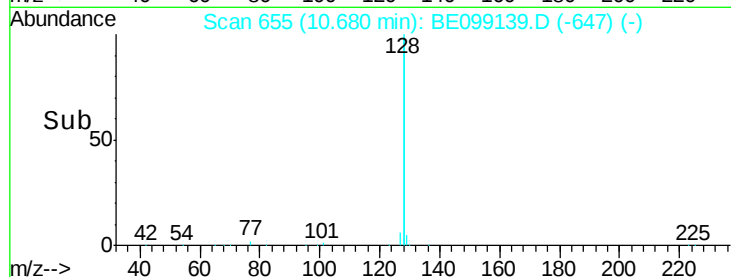
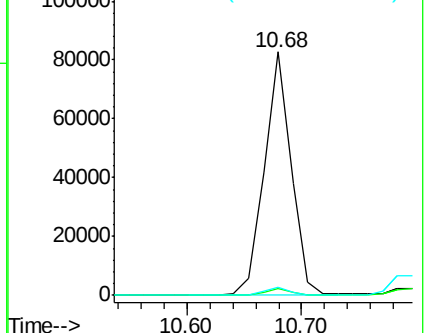
127 3.2 3.1 4.7



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: 0.479 ng

RT: 10.97 min Scan# 677

Delta R.T. -0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

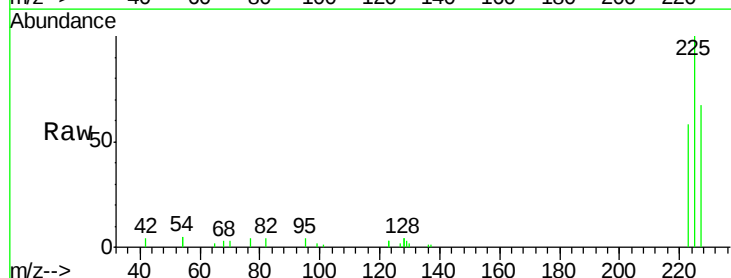
Tgt Ion:225 Resp: 7138

Ion Ratio Lower Upper

225 100

223 63.5 51.1 76.7

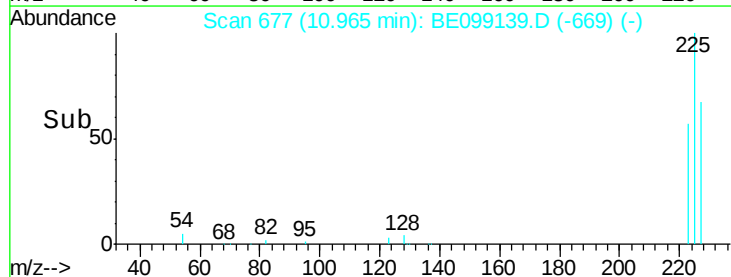
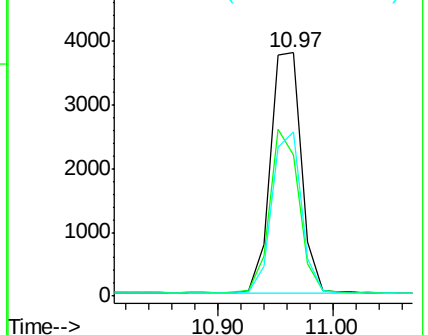
227 63.5 51.6 77.4

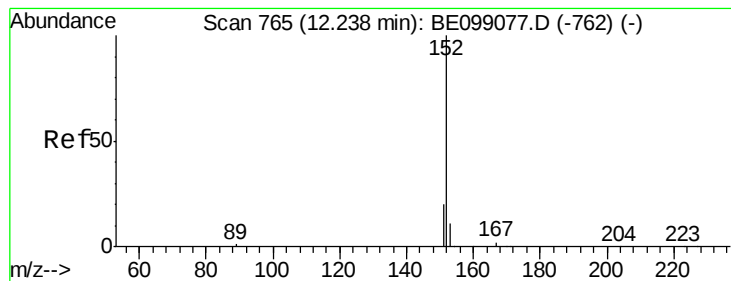


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.464 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

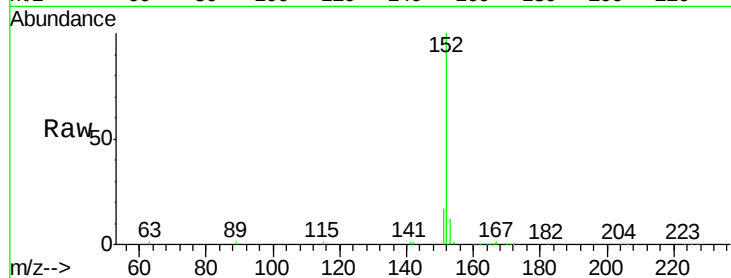
SSTDCCC0.4EC

Tot Ion:152 Resp: 21586

Ion Ratio Lower Upper

152 100

151 18.9 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

15000

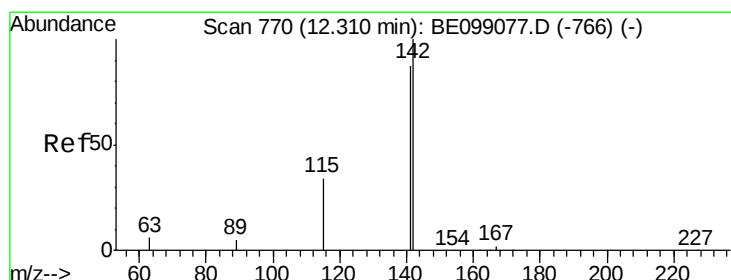
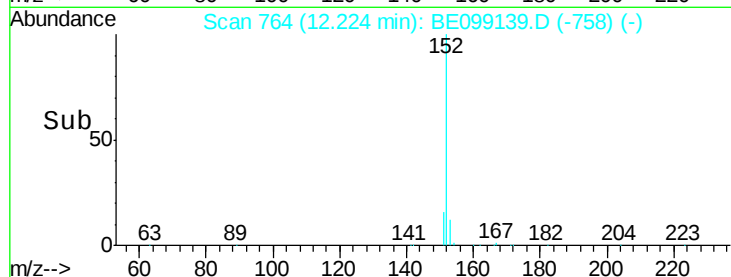
10000

5000

0

12.10 12.20 12.30 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.464 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

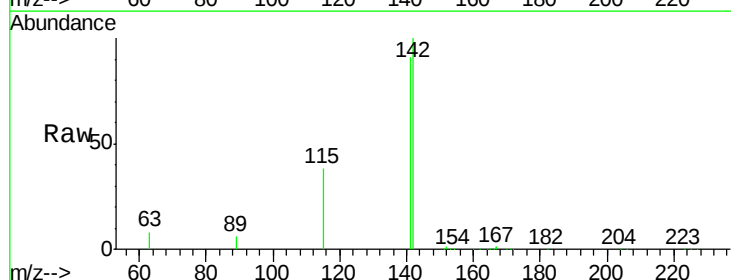
Tgt Ion:142 Resp: 24178

Ion Ratio Lower Upper

142 100

141 90.8 72.6 108.8

115 37.7 37.4 56.2



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

20000

15000

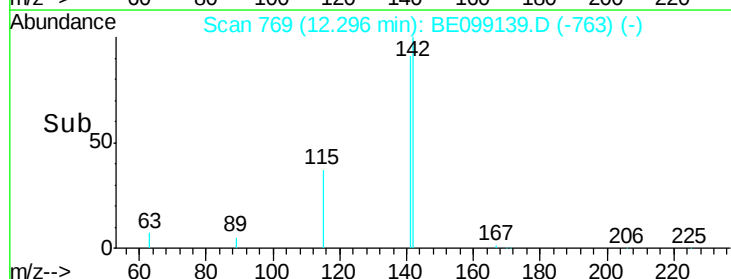
10000

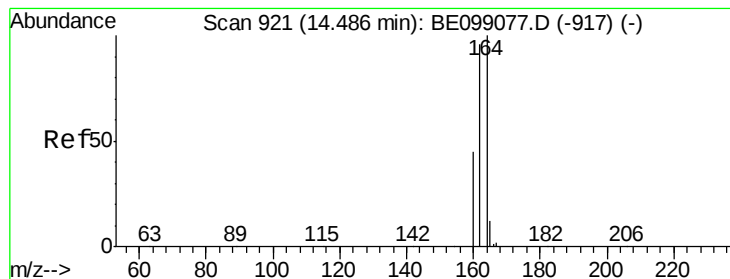
5000

0

12.20 12.30 12.40

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

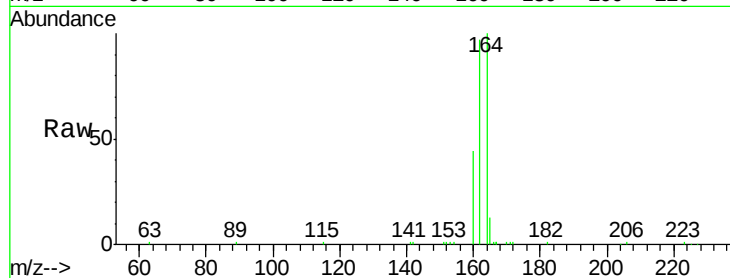
Tot Ion:164 Resp: 18861

Ion Ratio Lower Upper

164 100

162 96.9 80.2 120.2

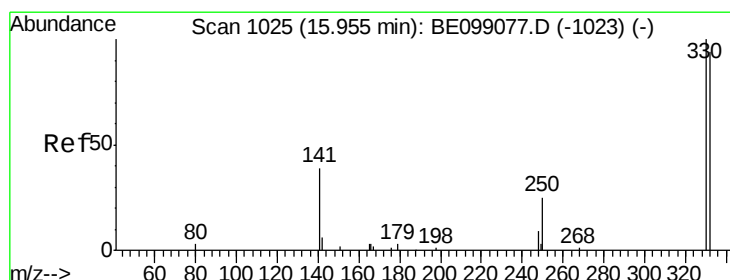
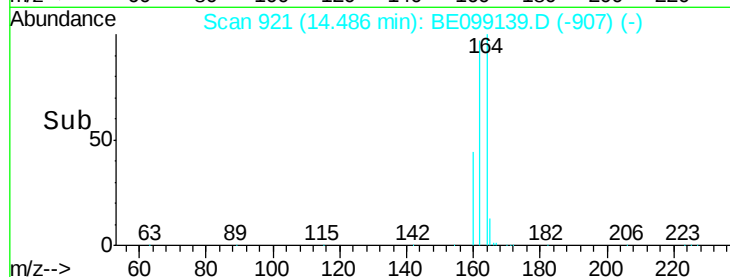
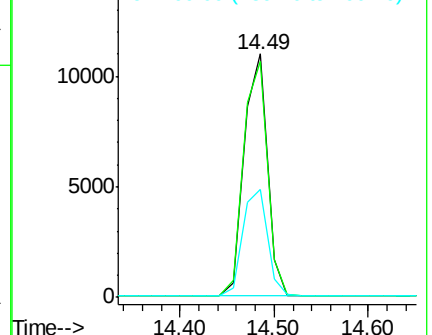
160 44.4 37.8 56.8



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: 0.851 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

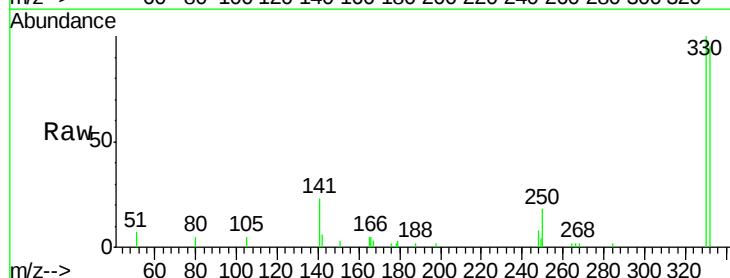
Tgt Ion:330 Resp: 4717

Ion Ratio Lower Upper

330 100

332 94.6 77.6 116.4

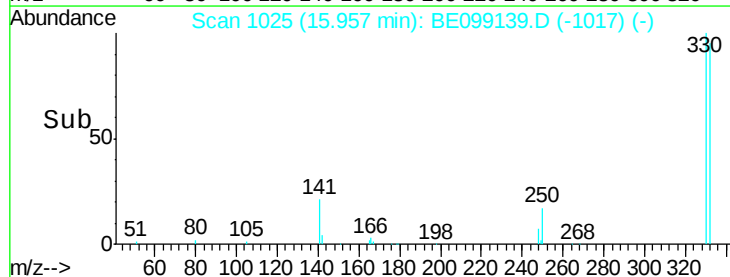
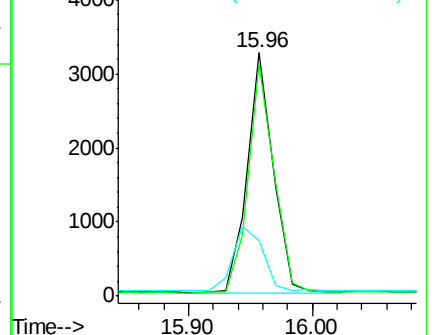
141 31.4 31.0 46.4

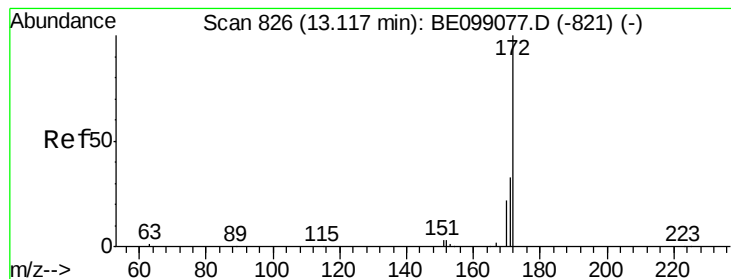


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.468 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

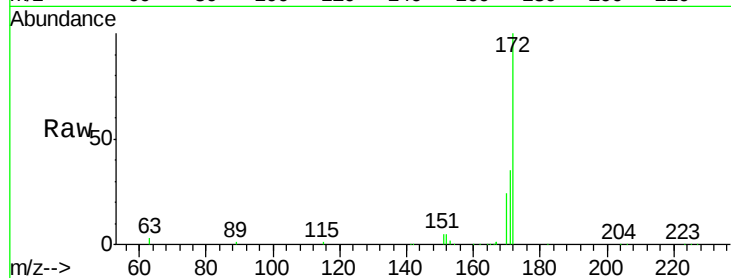
Tot Ion:172 Resp: 35072

Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

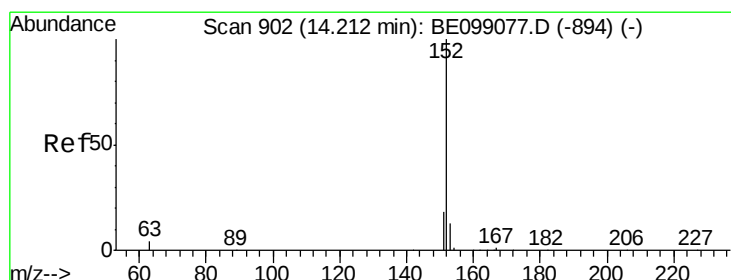
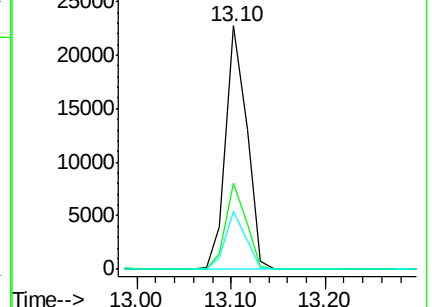
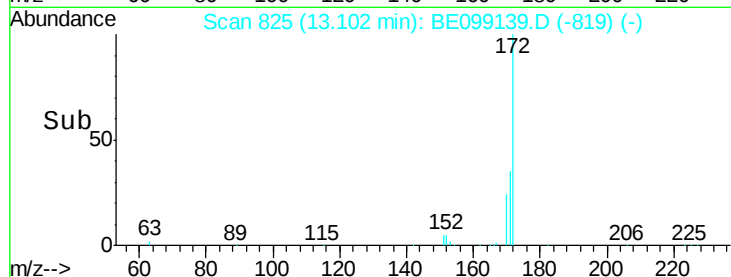
170 24.0 17.7 26.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.436 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

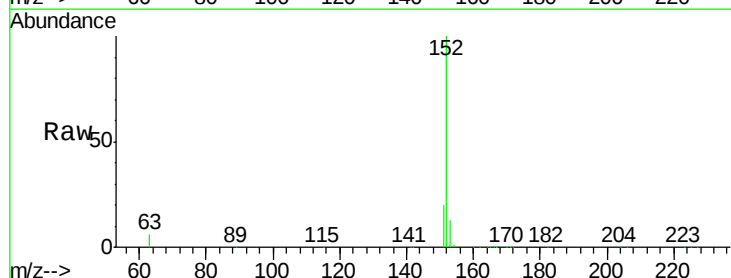
Tgt Ion:152 Resp: 43886

Ion Ratio Lower Upper

152 100

151 19.6 17.0 25.6

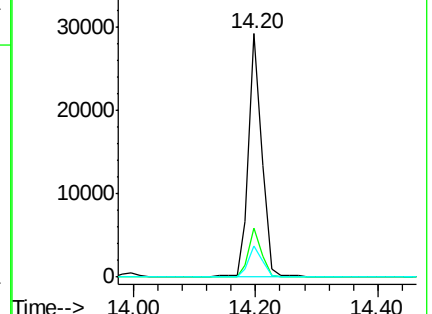
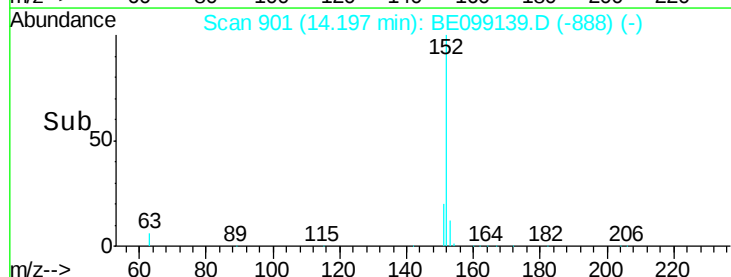
153 12.8 11.2 16.8

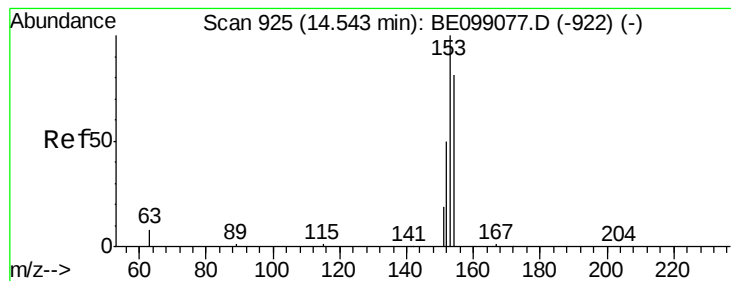


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.428 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

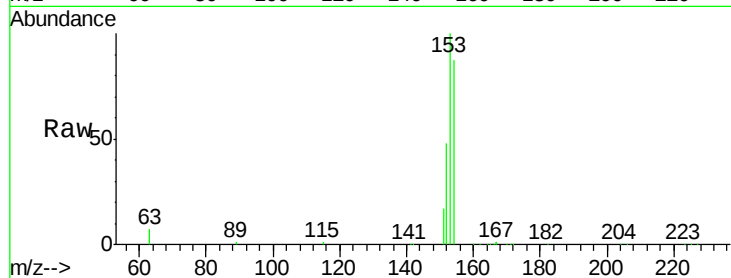
Tot Ion:154 Resp: 25526

Ion Ratio Lower Upper

154 100

153 115.6 94.2 141.4

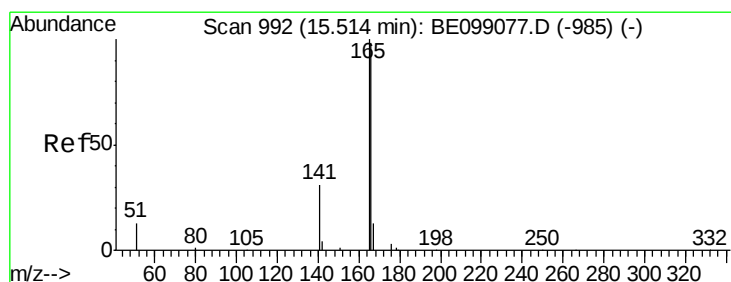
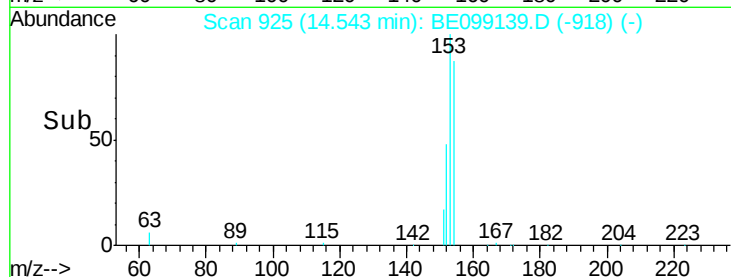
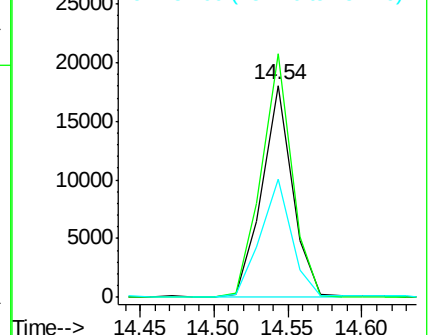
152 56.9 45.0 67.4



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: 0.410 ng

RT: 15.52 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

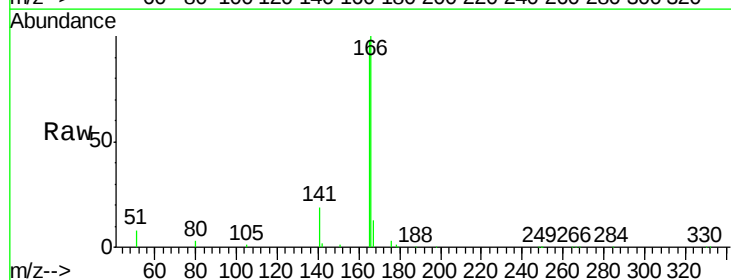
Tgt Ion:166 Resp: 35712

Ion Ratio Lower Upper

166 100

165 99.8 79.3 118.9

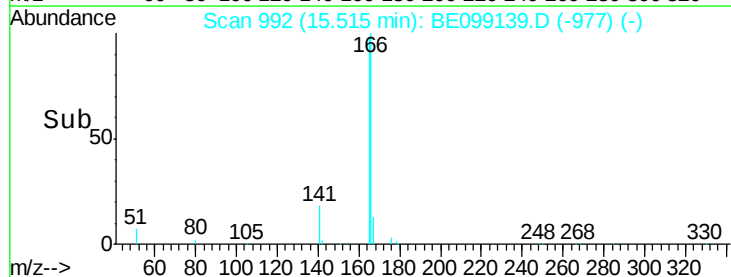
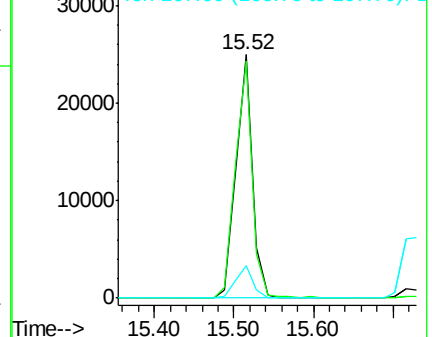
167 13.4 10.5 15.7

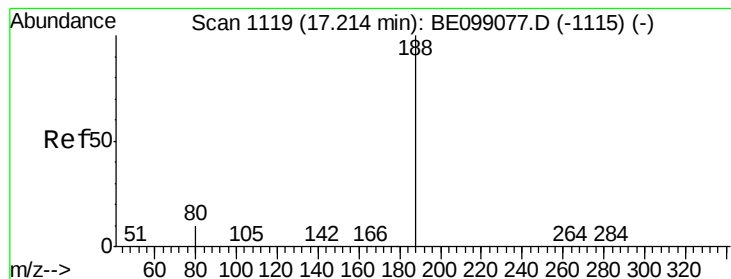


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

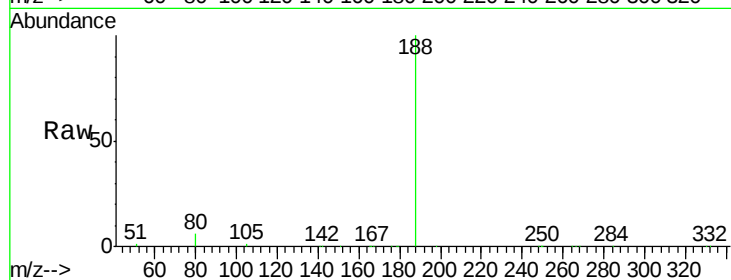
Tot Ion:188 Resp: 50261

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

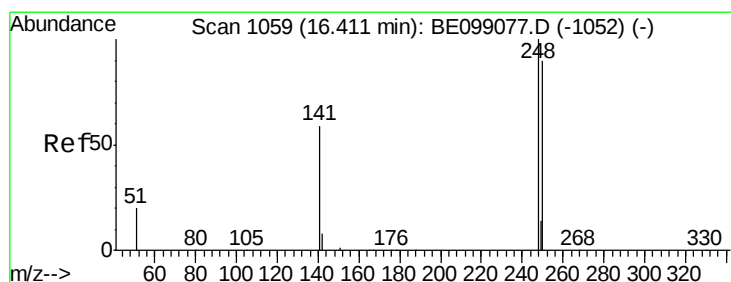
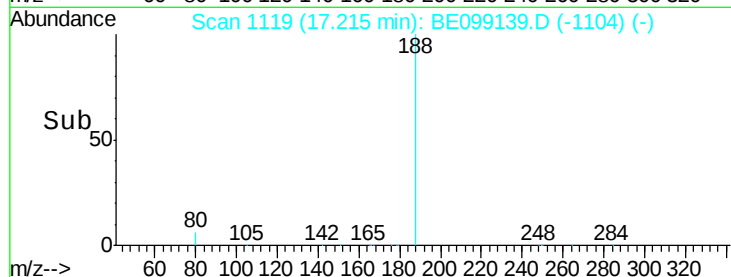
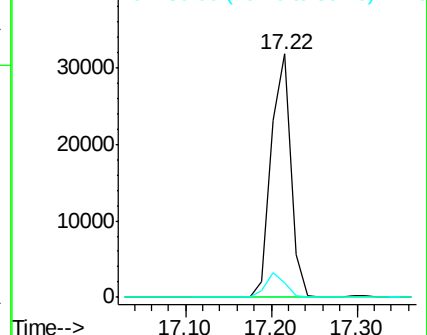
80 5.8 6.3 9.5#



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: 0.480 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

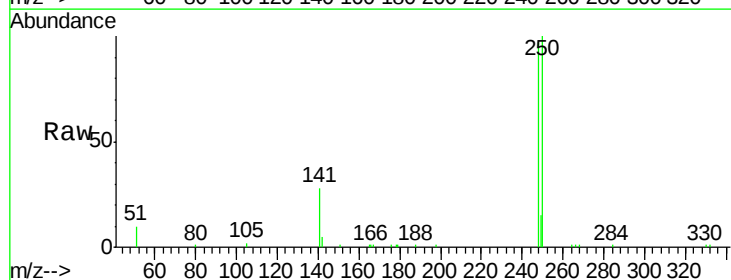
Tgt Ion:248 Resp: 13358

Ion Ratio Lower Upper

248 100

250 102.8 70.6 105.8

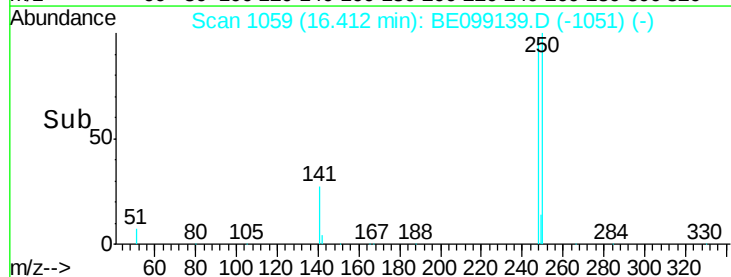
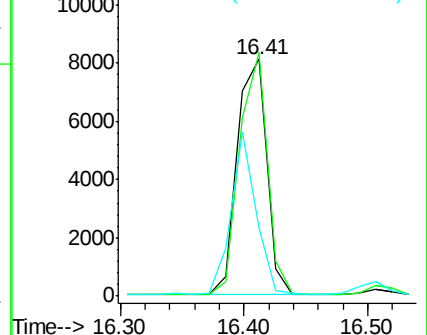
141 28.8 68.6 102.8#

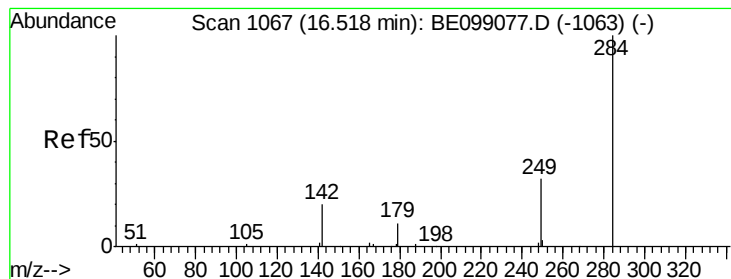


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.487 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

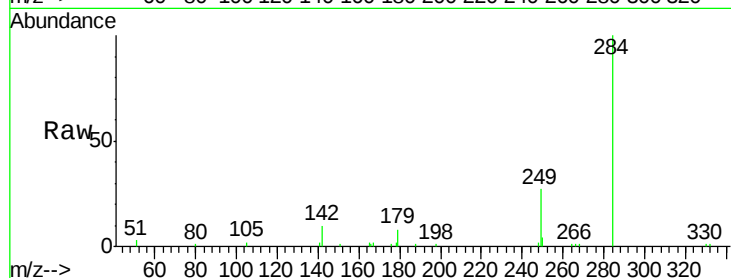
Tot Ion:284 Resp: 12586

Ion	Ratio	Lower	Upper
284	100		
142	29.7	28.7	43.1
249	34.0	29.6	44.4

284 100

142 29.7 28.7 43.1

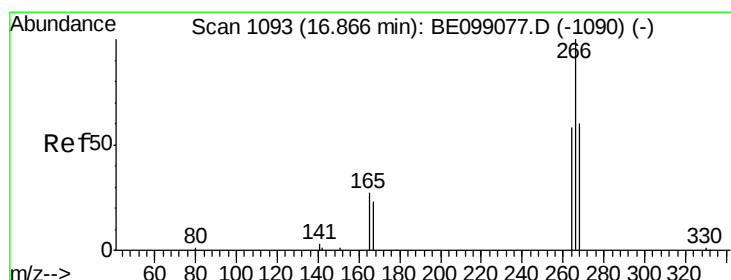
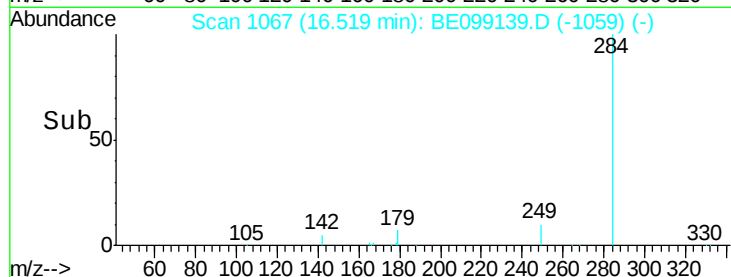
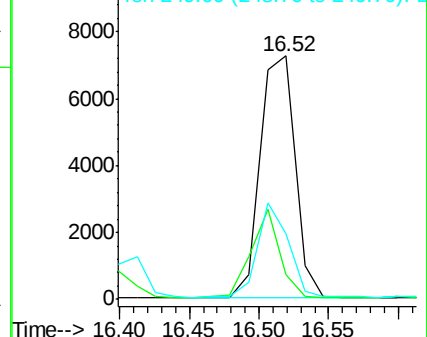
249 34.0 29.6 44.4



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: 0.749 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

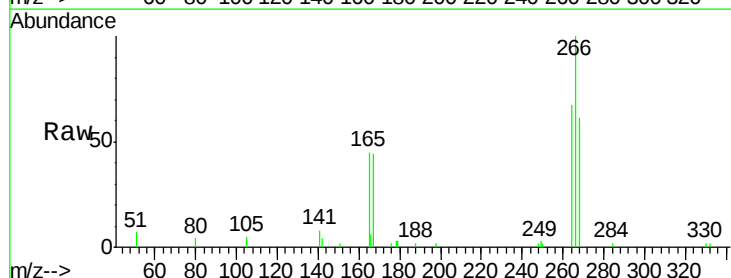
Tgt Ion:266 Resp: 5271

Ion	Ratio	Lower	Upper
266	100		
264	66.6	66.6	100.0#
268	61.2	69.8	104.8#

266 100

264 66.6 66.6 100.0#

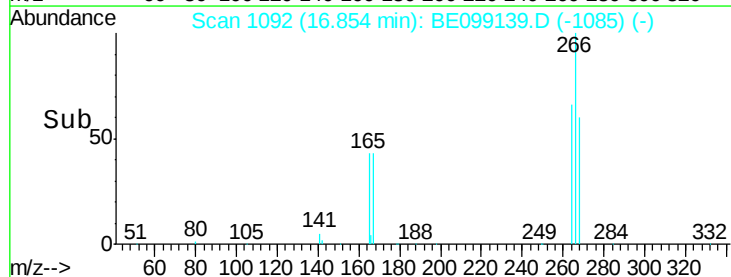
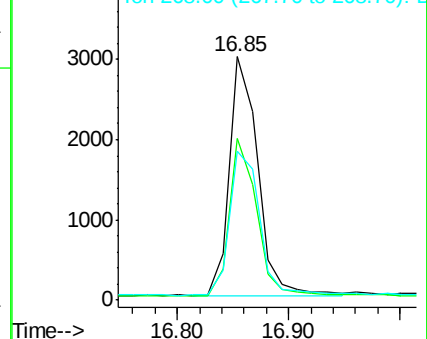
268 61.2 69.8 104.8#

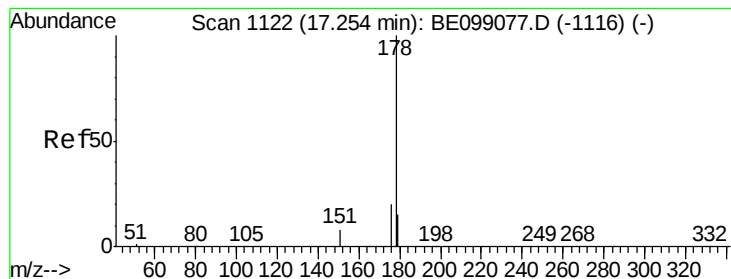


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.416 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

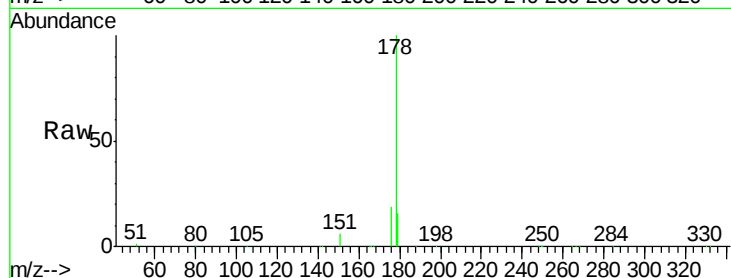
Tot Ion:178 Resp: 62115

Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

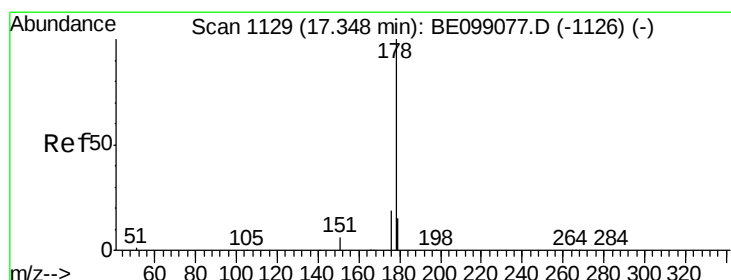
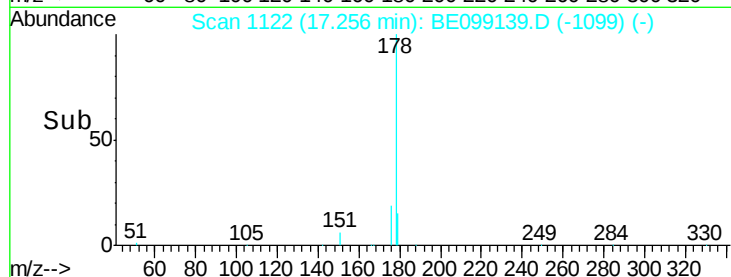
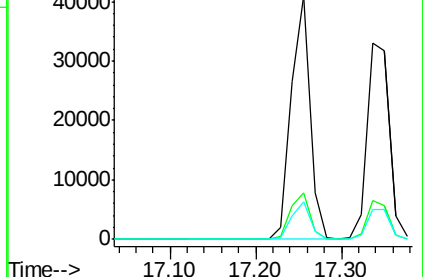
179 15.1 12.1 18.1



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



#24

Anthracene

Concen: 0.414 ng

RT: 17.34 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

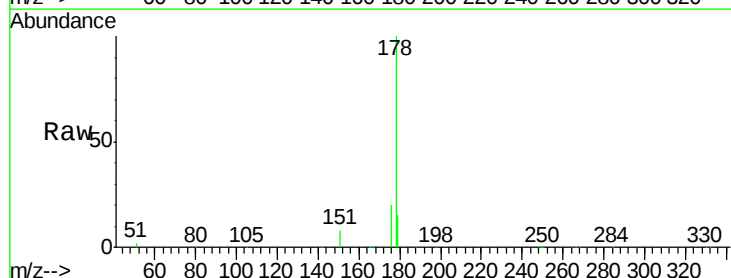
Tgt Ion:178 Resp: 58509

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

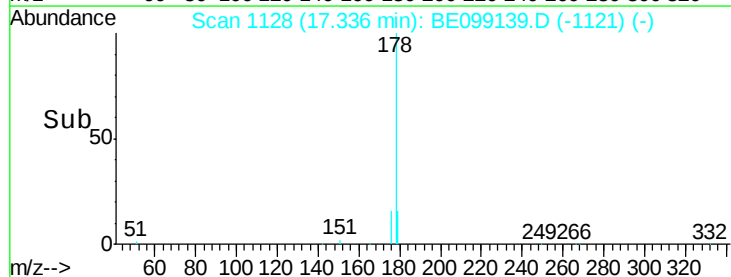
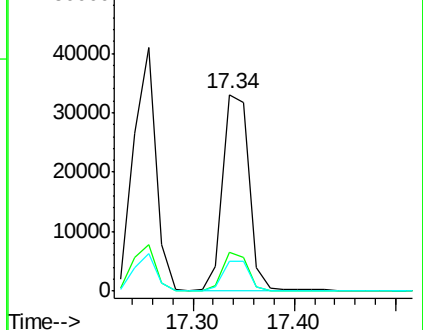
179 15.2 12.2 18.4

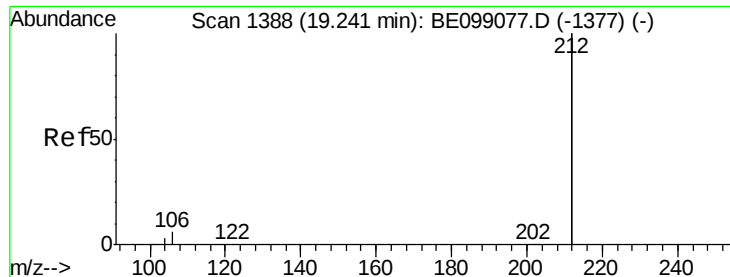


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.391 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

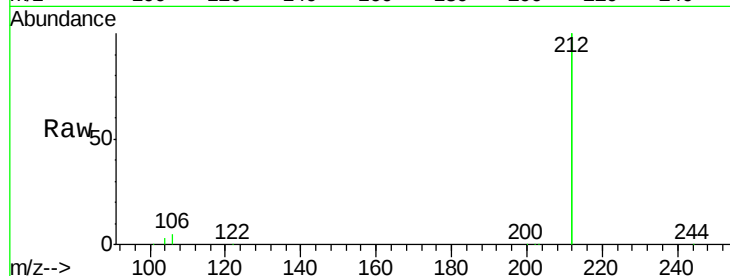
Tot Ion:212 Resp: 262470

Ion Ratio Lower Upper

212 100

106 2.5 1.8 2.8

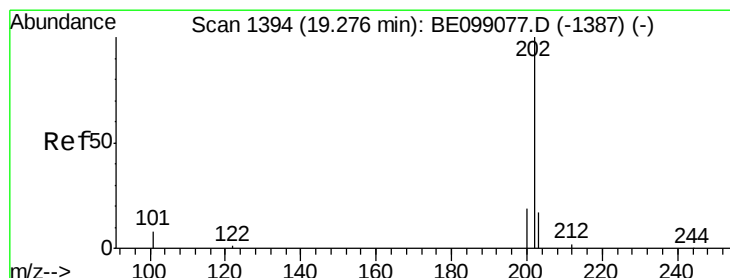
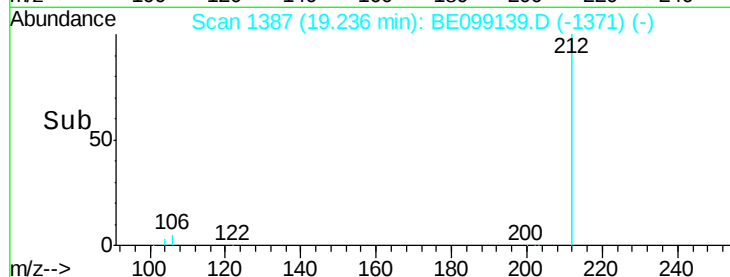
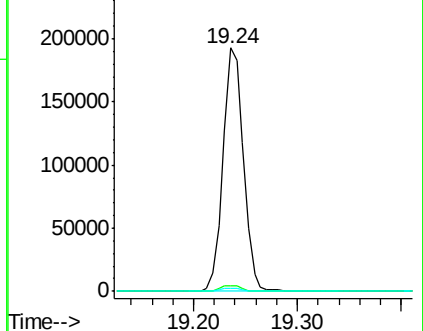
104 1.4 1.0 1.6



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: 0.382 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

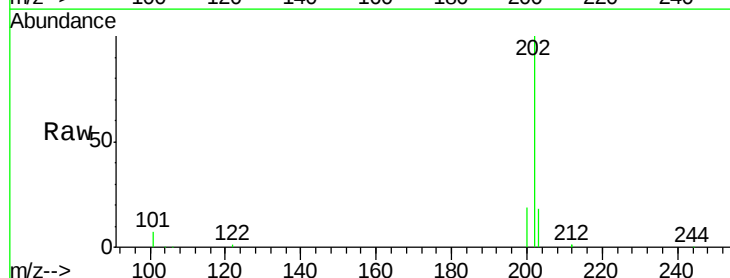
Tgt Ion:202 Resp: 80213

Ion Ratio Lower Upper

202 100

101 9.1 7.3 10.9

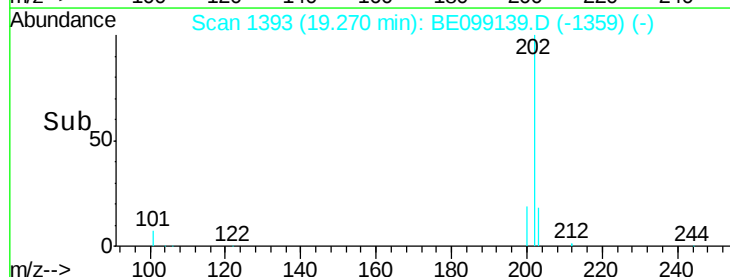
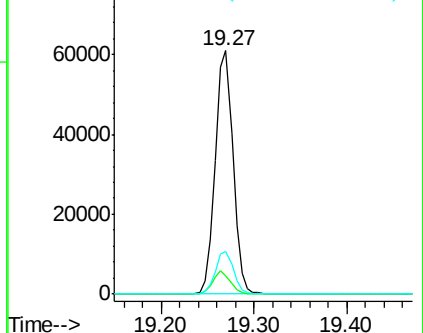
203 17.5 13.4 20.2



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: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

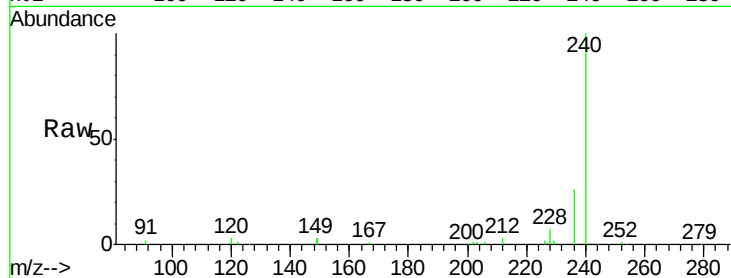
Tot Ion:240 Resp: 57538

Ion Ratio Lower Upper

240 100

120 3.1 5.0 7.4#

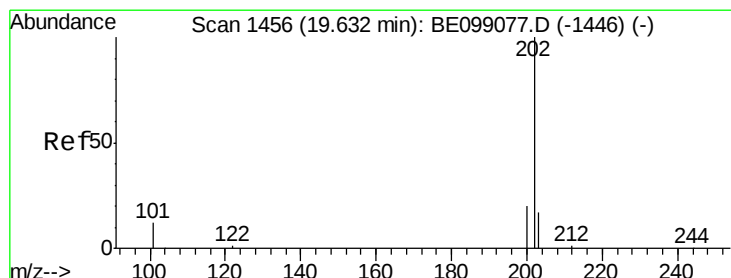
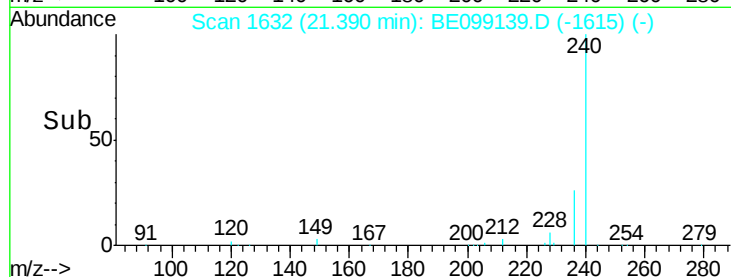
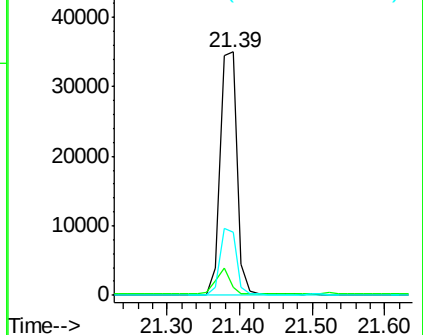
236 26.1 22.7 34.1



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: 0.425 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

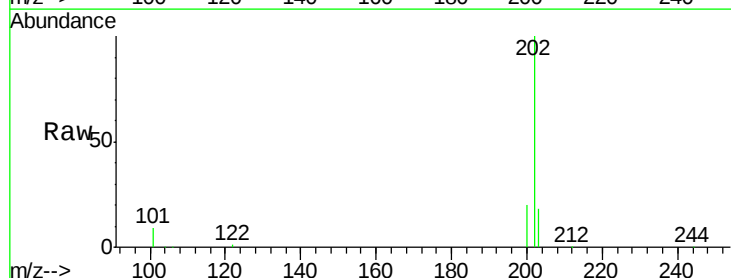
Tgt Ion:202 Resp: 82966

Ion Ratio Lower Upper

202 100

200 19.6 17.0 25.6

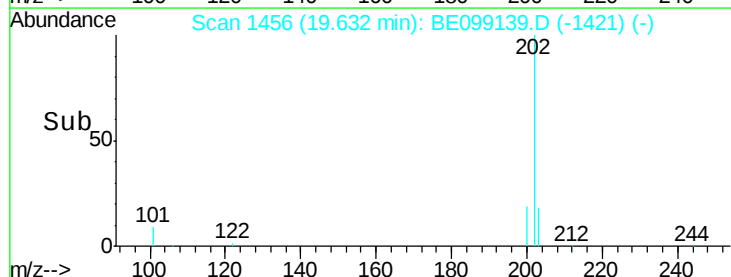
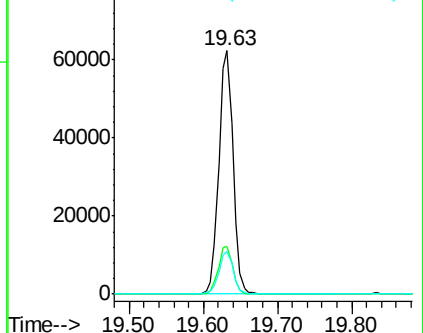
203 17.3 14.2 21.2

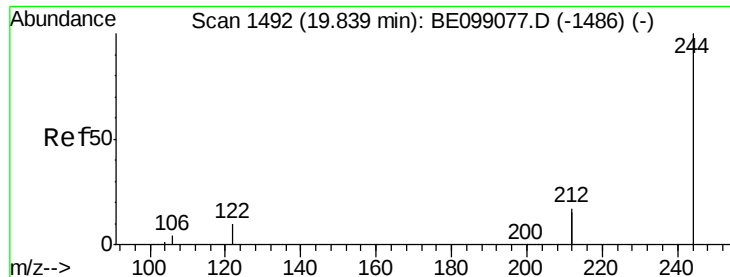


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.479 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

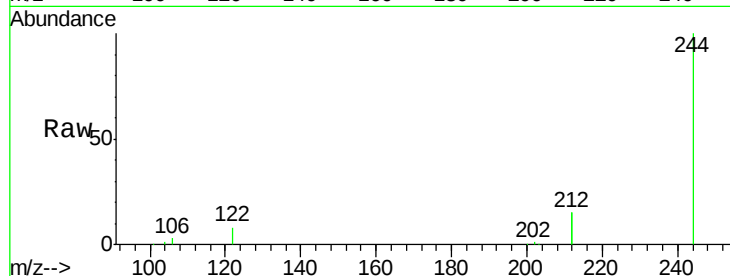
Tot Ion:244 Resp: 58347

Ion Ratio Lower Upper

244 100

212 29.8 29.4 44.2

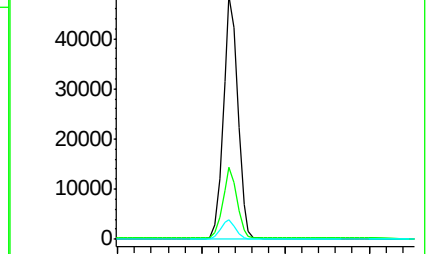
122 8.2 7.1 10.7



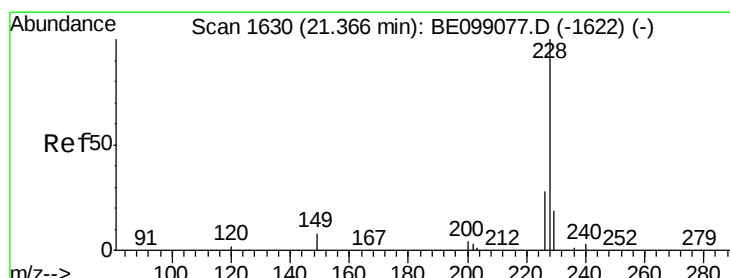
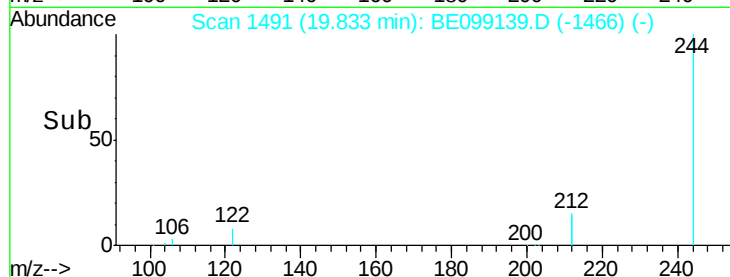
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.70 19.80 19.90 20.00



#30

Benzo(a)anthracene

Concen: 0.422 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

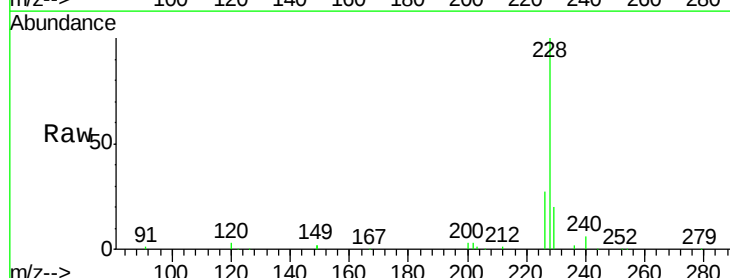
Tgt Ion:228 Resp: 85654

Ion Ratio Lower Upper

228 100

226 27.2 23.0 34.4

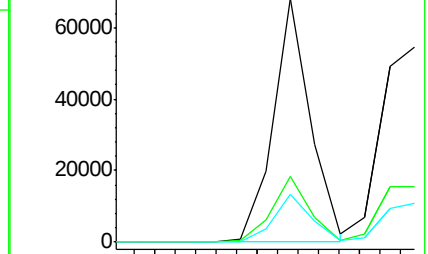
229 19.6 16.5 24.7



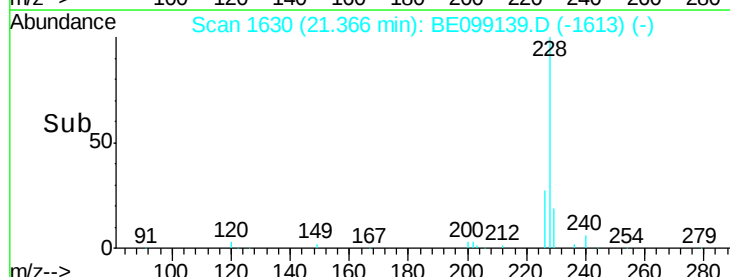
Abundance Ion 228.00 (227.70 to 228.70): E

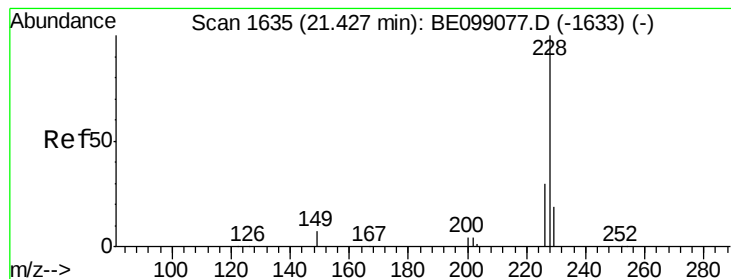
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.30 21.35 21.40





#31

Chrysene

Concen: 0.428 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

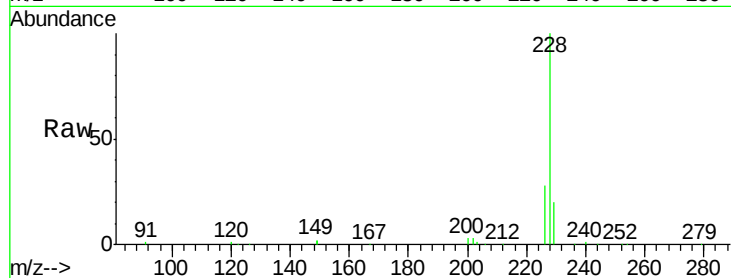
Tot Ion:228 Resp: 86647

Ion Ratio Lower Upper

228 100

226 28.2 23.7 35.5

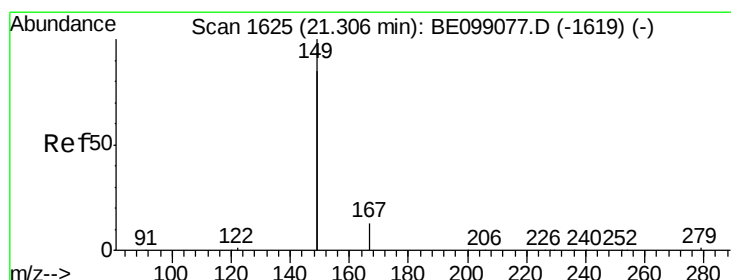
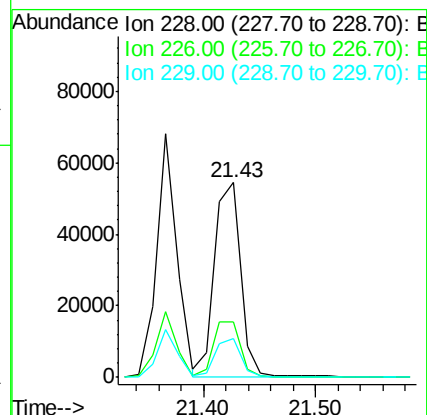
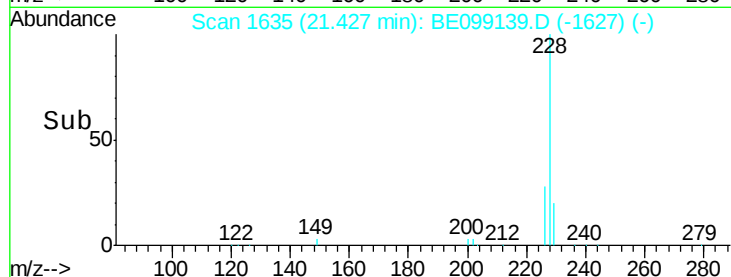
229 20.2 16.1 24.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.571 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

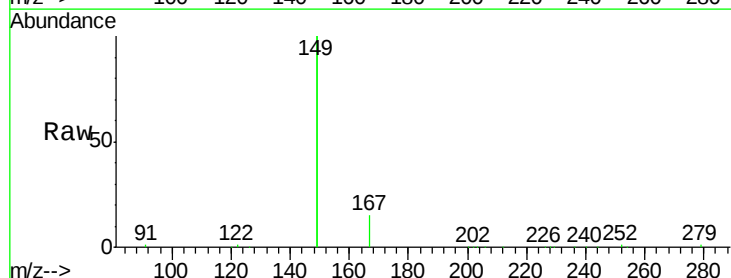
Tgt Ion:149 Resp: 150117

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

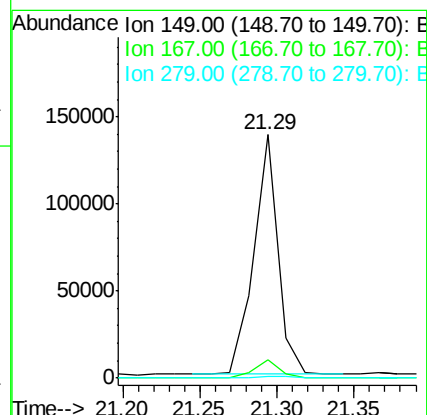
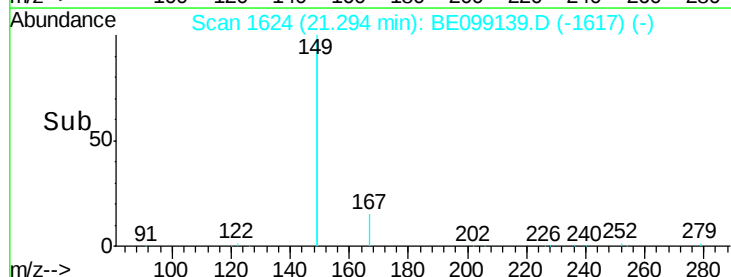
279 1.0 1.0 1.4

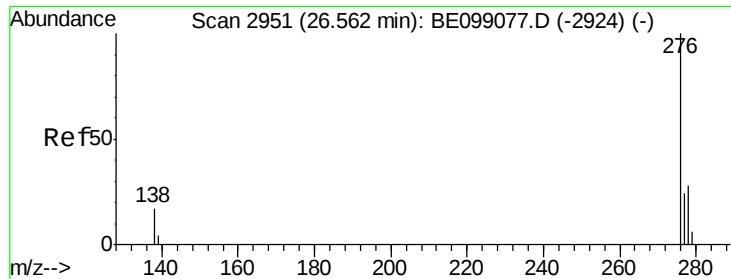


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

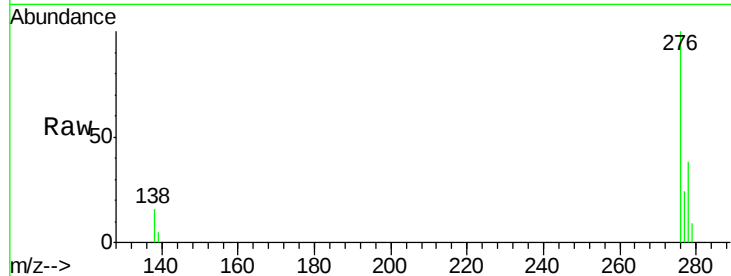




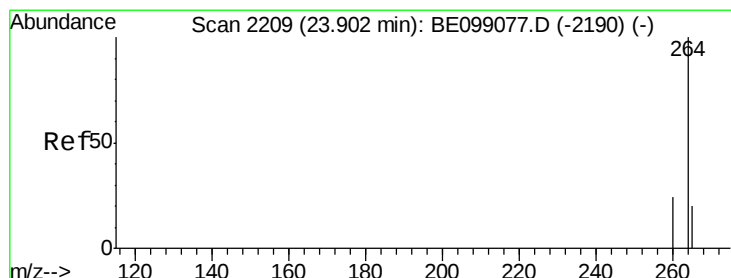
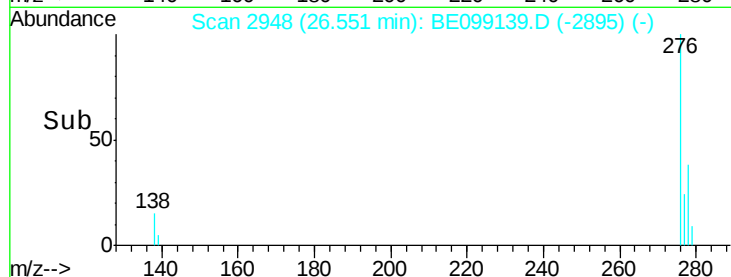
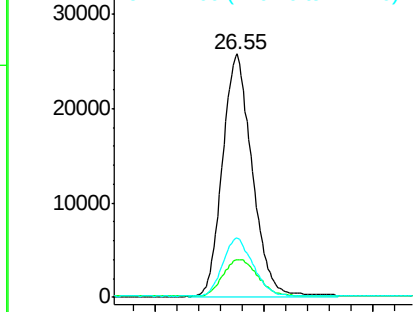
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.447 ng
RT: 26.55 min Scan# 2948
Delta R.T. -0.01 min
Lab File: BE099139.D
Acq: 24 Mar 2019 8:40

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:276 Resp: 97430
Ion Ratio Lower Upper
276 100
138 17.4 13.8 20.8
277 24.5 19.5 29.3

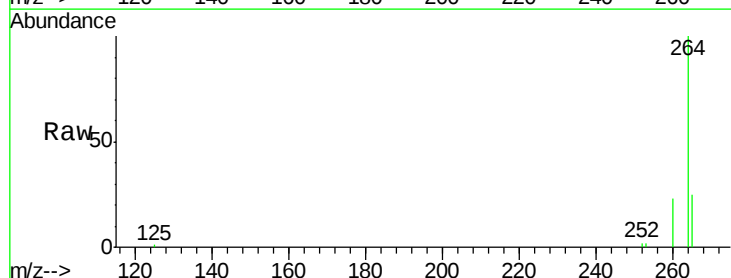


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

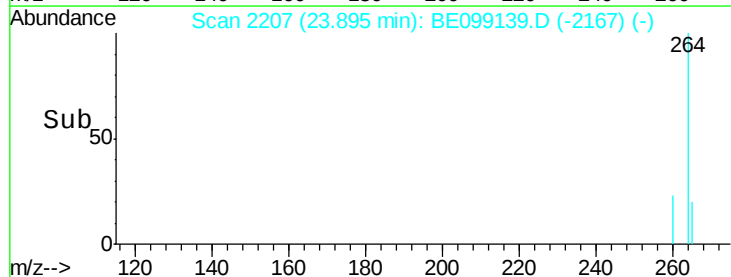
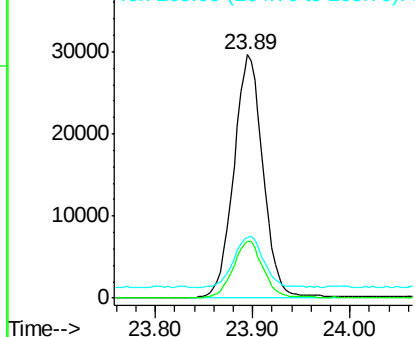


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE099139.D
Acq: 24 Mar 2019 8:40

Tgt Ion:264 Resp: 61486
Ion Ratio Lower Upper
264 100
260 23.3 21.2 31.8
265 24.9 24.6 36.8



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: 0.403 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

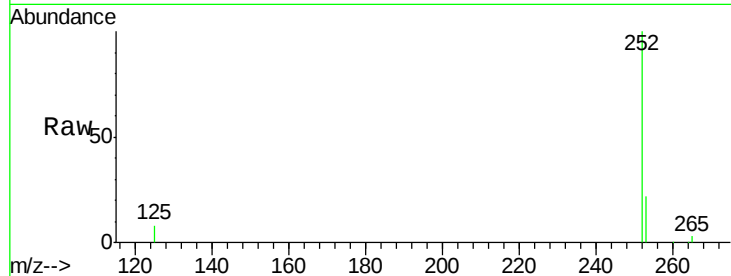
Tot Ion:252 Resp: 85798

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

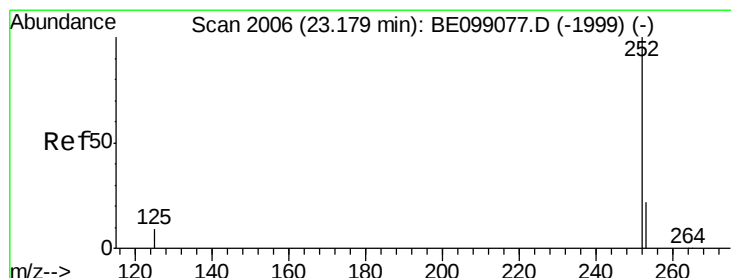
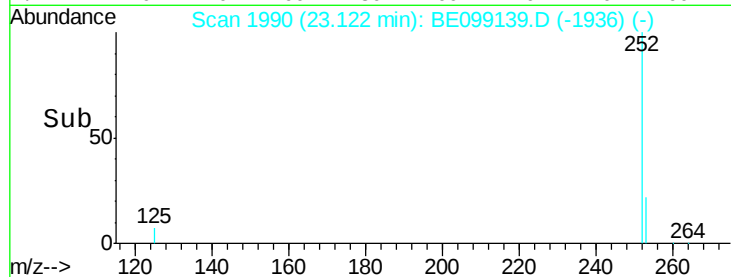
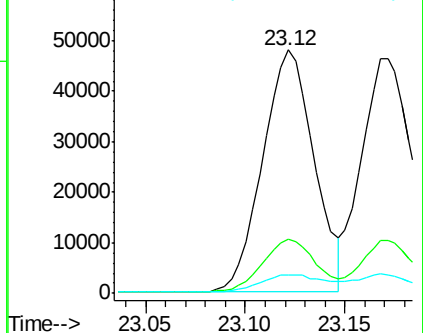
125 7.7 7.3 10.9



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: 0.405 ng

RT: 23.17 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

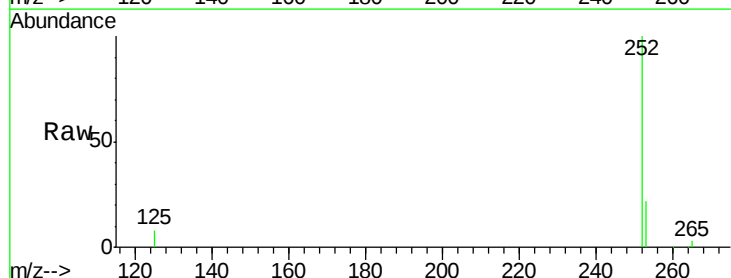
Tgt Ion:252 Resp: 84430

Ion Ratio Lower Upper

252 100

253 22.4 19.3 28.9

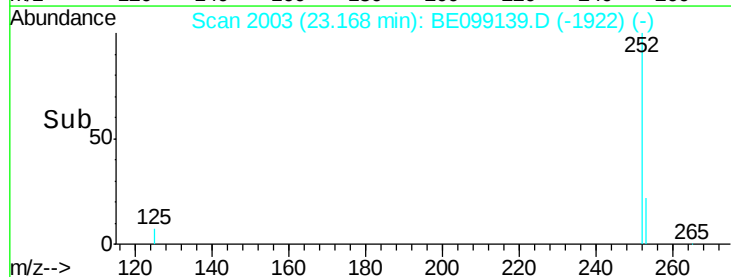
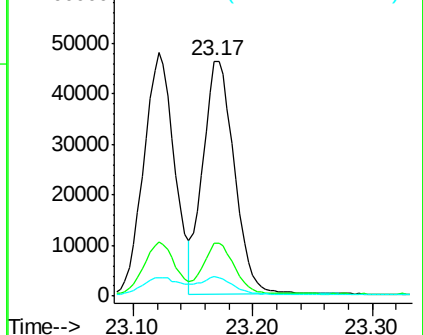
125 8.1 7.5 11.3



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: 0.409 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

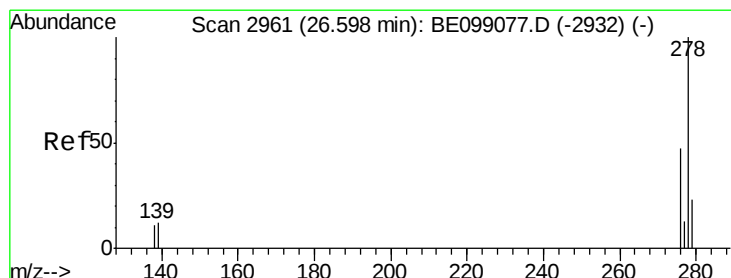
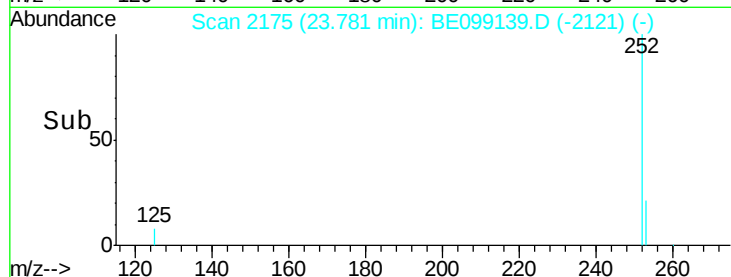
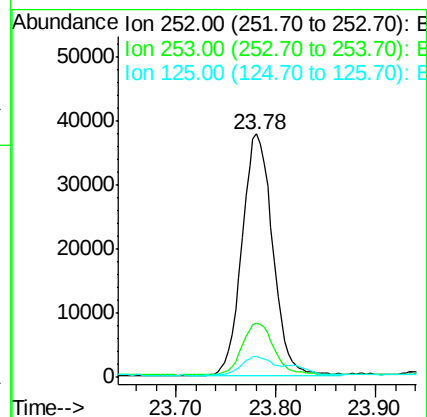
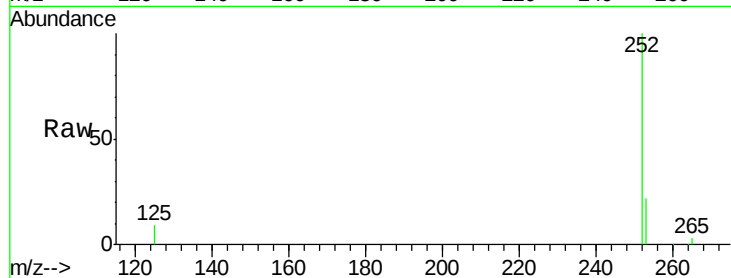
Tot Ion:252 Resp: 80404

Ion Ratio Lower Upper

252 100

253 22.3 19.9 29.9

125 8.5 9.0 13.4#



#38

Dibenzo(a,h)anthracene

Concen: 0.419 ng

RT: 26.58 min Scan# 2956

Delta R.T. -0.02 min

Lab File: BE099139.D

Acq: 24 Mar 2019 8:40

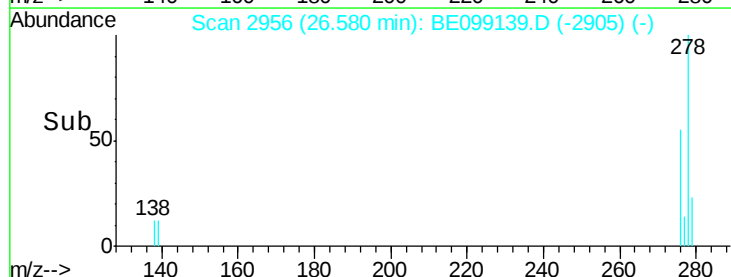
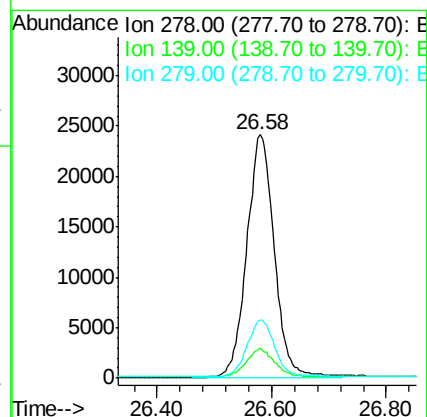
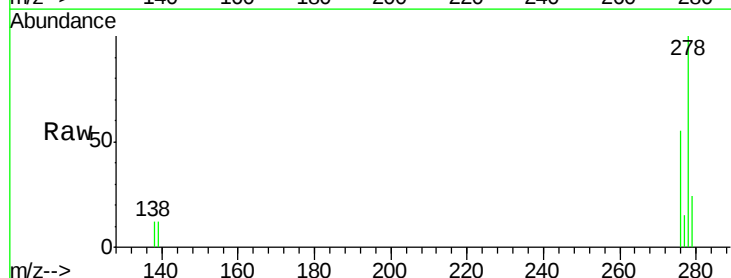
Tgt Ion:278 Resp: 80006

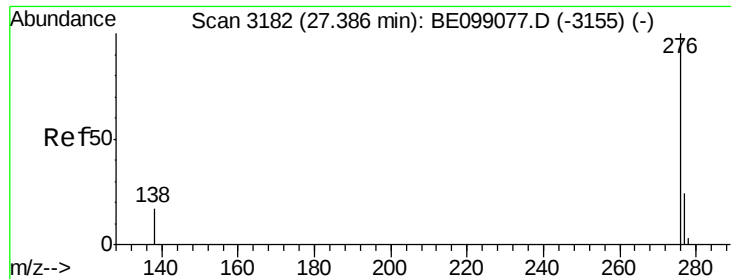
Ion Ratio Lower Upper

278 100

139 12.1 11.8 17.6

279 23.8 21.1 31.7





#39

Benzo(a,h,i)perylene

Concen: 0.408 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BE099139.D

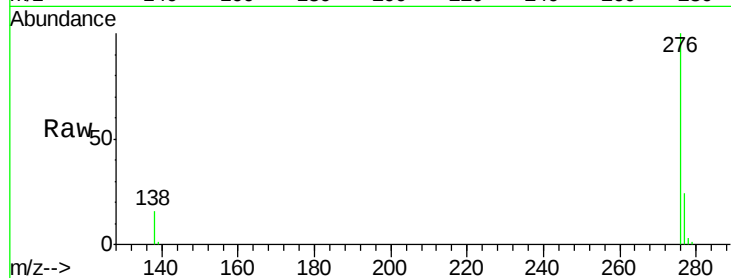
Acq: 24 Mar 2019 8:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



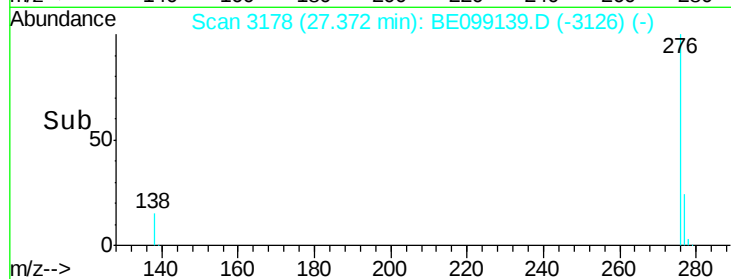
Tot Ion: 276 Resp: 80099

Ion Ratio Lower Upper

276 100

277 24.1 20.4 30.6

138 16.0 13.6 20.4



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

