

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052319\
 Data File : BE099734.D
 Acq On : 23 May 2019 15:43
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: May 23 16:26:27 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	7.82	152	1455	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	5012	0.40	ng	0.01
13) Acenaphthene-d10	14.49	164	3373	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	9917	0.40	ng	0.00
27) Chrysene-d12	21.41	240	16181	0.40	ng	0.00
34) Perylene-d12	23.95	264	18502	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1650	0.45	ng	0.00
5) Phenol-d6	6.98	99	2177	0.45	ng	0.00
8) Nitrobenzene-d5	8.98	82	2045	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3591	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	1034	0.53	ng	-0.01
15) 2-Fluorobiphenyl	13.12	172	5472	0.43	ng	0.01
25) Fluoranthene-d10	19.26	212	54961	0.41	ng	0.00
29) Terphenyl-d14	19.86	244	11403	0.39	ng	-0.01

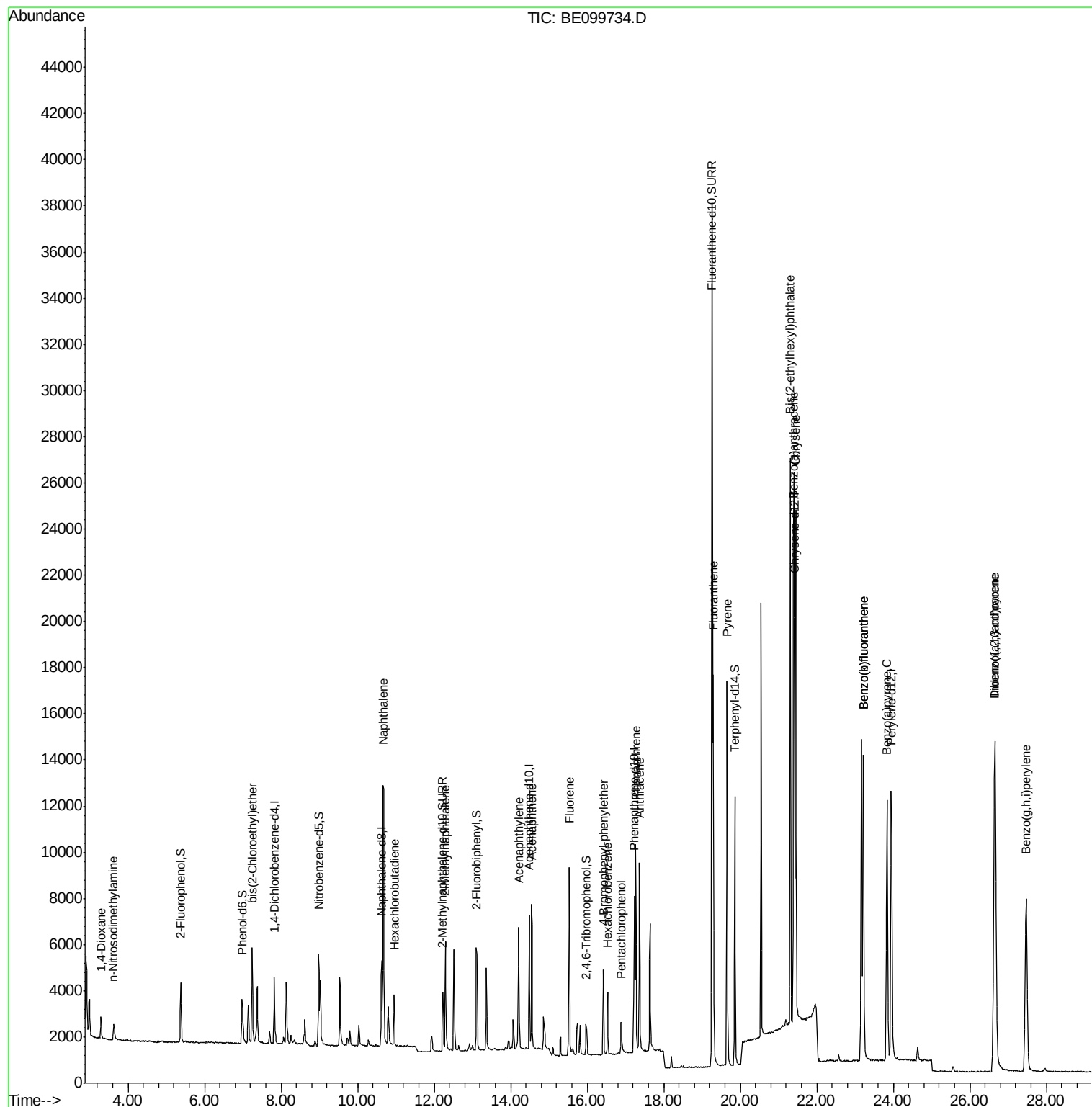
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	824	0.383	ng	# 93
3) n-Nitrosodimethylamine	3.61	42	536	0.451	ng	# 84
6) bis(2-Chloroethyl)ether	7.24	93	1784	0.412	ng	96
9) Naphthalene	10.68	128	21705	0.405	ng	99
10) Hexachlorobutadiene	10.95	225	1602	0.406	ng	97
12) 2-Methylnaphthalene	12.30	142	3574	0.409	ng	98
16) Acenaphthylene	14.21	152	6791	0.432	ng	99
17) Acenaphthene	14.54	154	3810	0.432	ng	98
18) Fluorene	15.53	166	5354	0.412	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	2320	0.406	ng	97
21) Hexachlorobenzene	16.53	284	2399	0.410	ng	99
22) Pentachlorophenol	16.89	266	1236	0.829	ng	90
23) Phenanthrene	17.27	178	9820	0.405	ng	100
24) Anthracene	17.36	178	9225	0.420	ng	99
26) Fluoranthene	19.29	202	15458	0.403	ng	99
28) Pyrene	19.66	202	16254	0.400	ng	99
30) Benzo(a)anthracene	21.39	228	20623	0.449	ng	98
31) Chrysene	21.45	228	19776	0.402	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	29528	0.557	ng	99
33) Indeno(1,2,3-cd)pyrene	26.64	276	25440	0.429	ng	98
35) Benzo(b)fluoranthene	23.22	252	20484	0.404	ng	99
36) Benzo(k)fluoranthene	23.22	252	20484	0.388	ng	99
37) Benzo(a)pyrene	23.83	252	20093	0.412	ng	# 97
38) Dibenzo(a,h)anthracene	26.67	278	20927	0.408	ng	# 97
39) Benzo(g,h,i)perylene	27.47	276	20979	0.406	ng	100

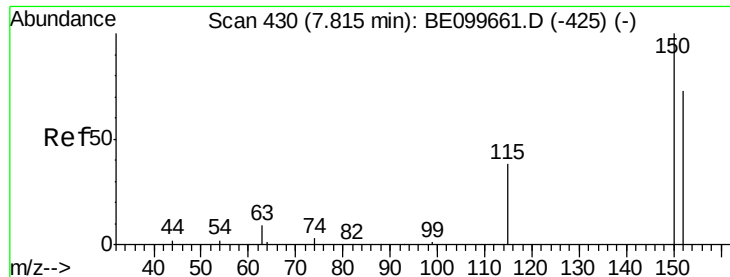
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

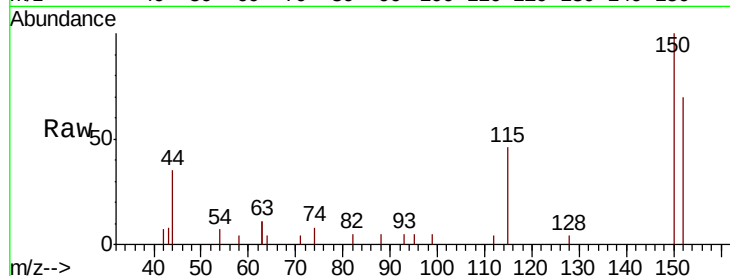
Tot Ion:152 Resp: 1455

Ion Ratio Lower Upper

152 100

150 142.8 109.2 163.8

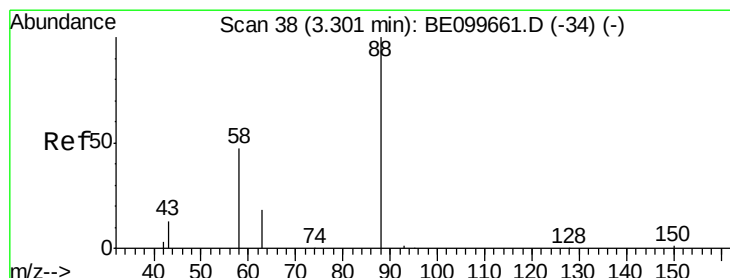
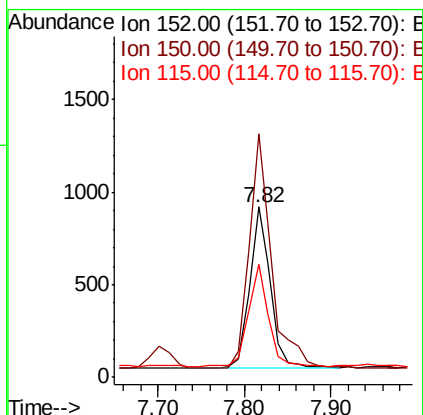
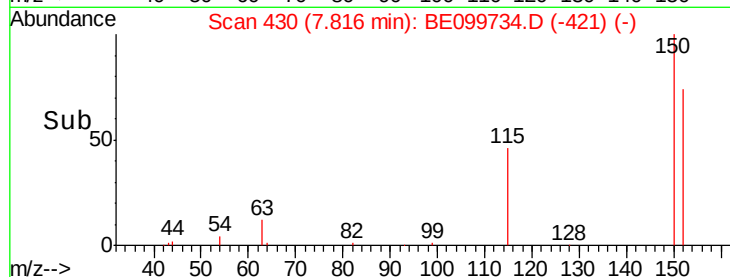
115 66.2 43.7 65.5#



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: 0.383 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

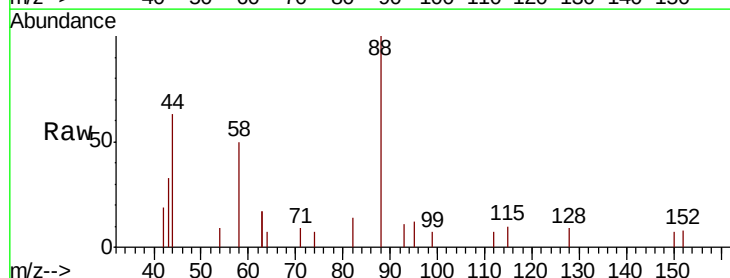
Tgt Ion: 88 Resp: 824

Ion Ratio Lower Upper

88 100

58 56.4 41.8 62.8

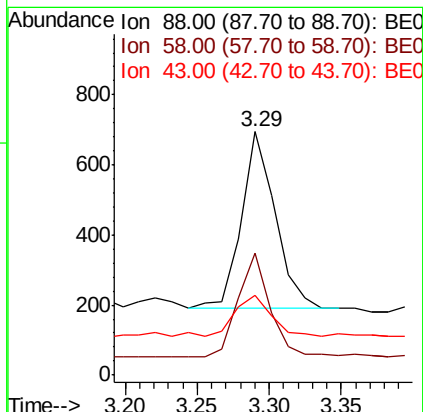
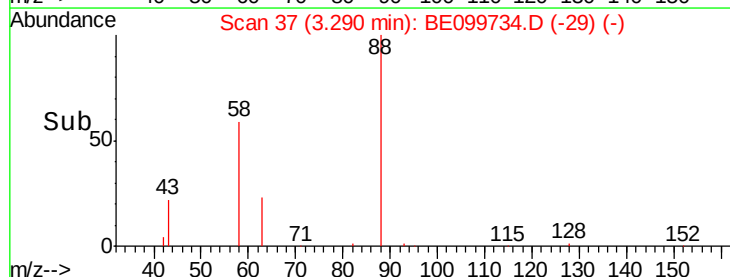
43 23.4 15.0 22.4#

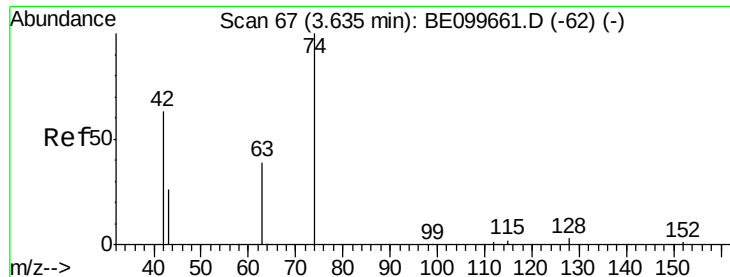


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.451 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

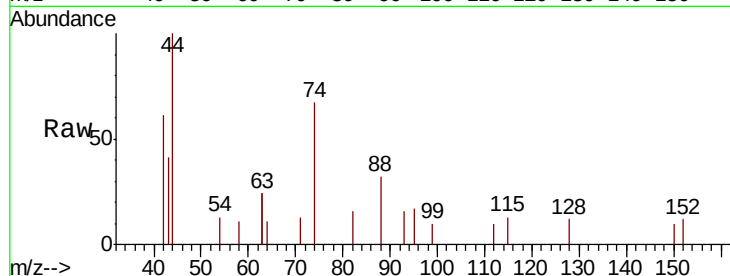
Tot Ion: 42 Resp: 536

Ion Ratio Lower Upper

42 100

74 182.5 129.2 193.8

44 27.1 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

600

500

400

300

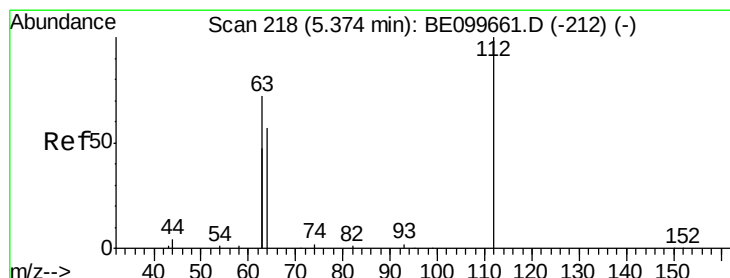
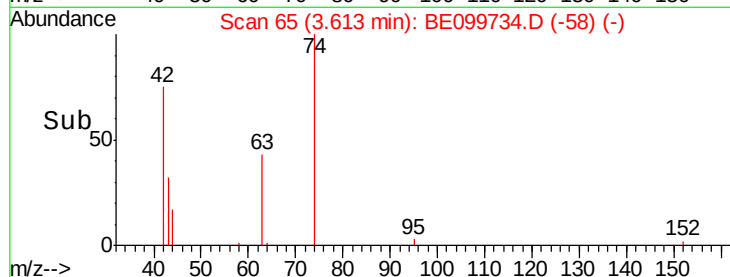
200

100

0

3.55 3.60 3.65 3.70

Time-->



#4

2-Fluorophenol

Concen: 0.449 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

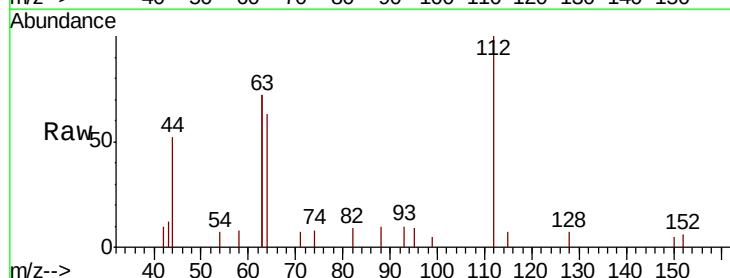
Tgt Ion:112 Resp: 1650

Ion Ratio Lower Upper

112 100

64 55.0 43.4 65.2

63 118.7 96.9 145.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

1500

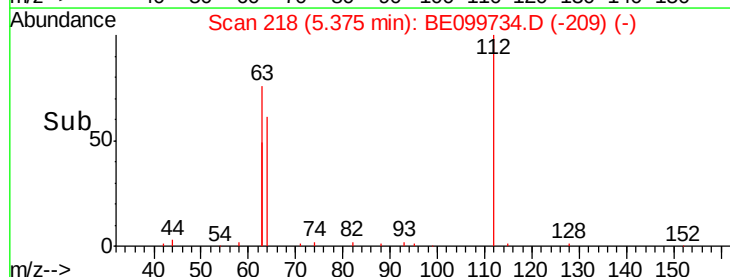
1000

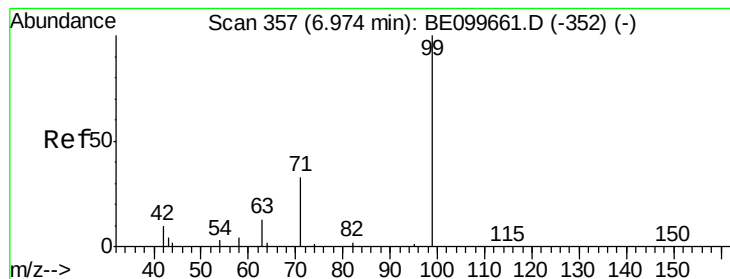
500

0

5.20 5.40 5.60

Time-->





#5

Phenol-d6

Concen: 0.447 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

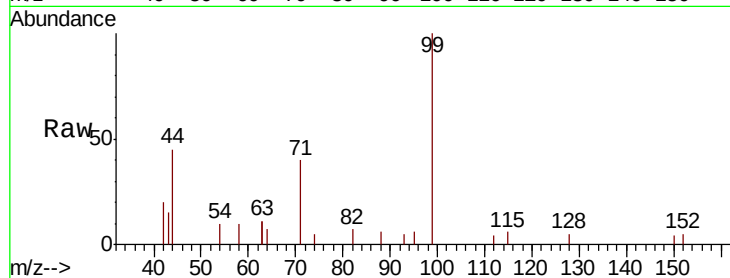
Tot Ion: 99 Resp: 2177

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

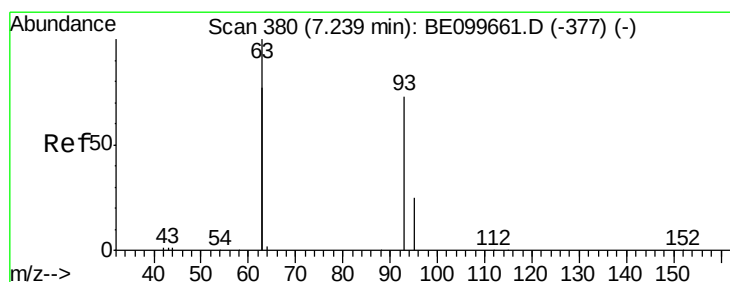
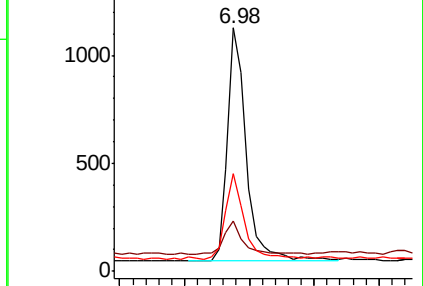
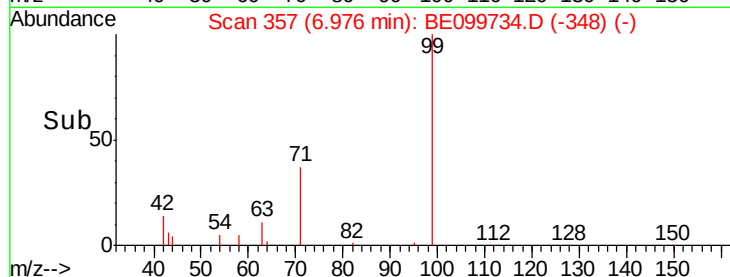
71 36.8 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.412 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

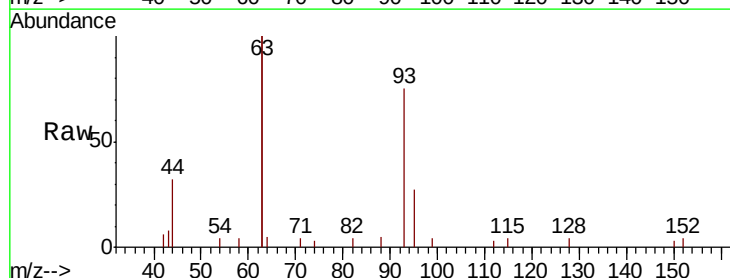
Tgt Ion: 93 Resp: 1784

Ion Ratio Lower Upper

93 100

63 268.1 207.8 311.6

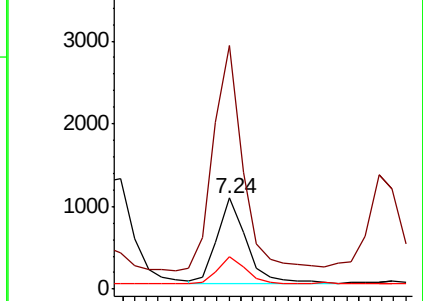
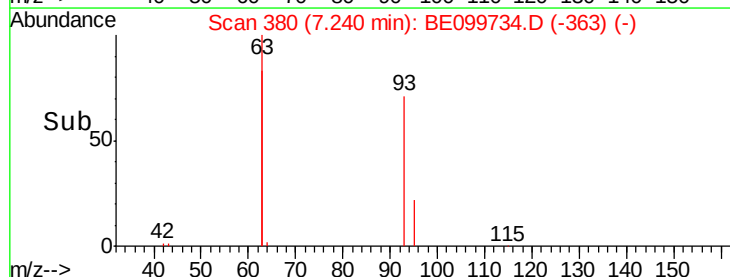
95 32.3 25.9 38.9

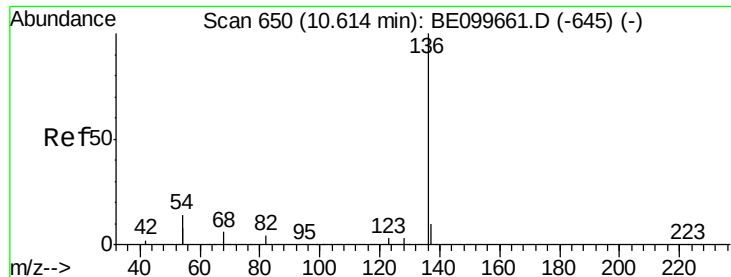


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 5012

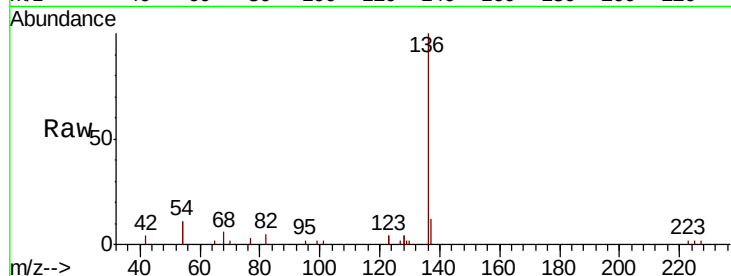
Ion Ratio Lower Upper

136 100

137 12.0 9.0 13.6

54 22.1 22.3 33.5#

68 6.1 6.0 9.0

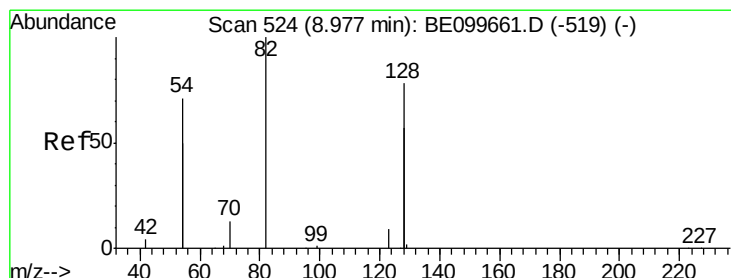
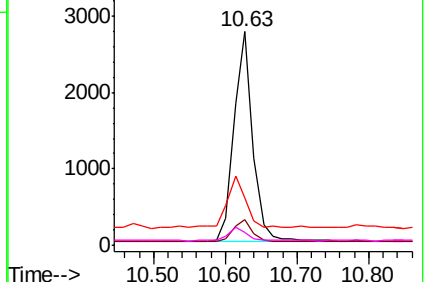
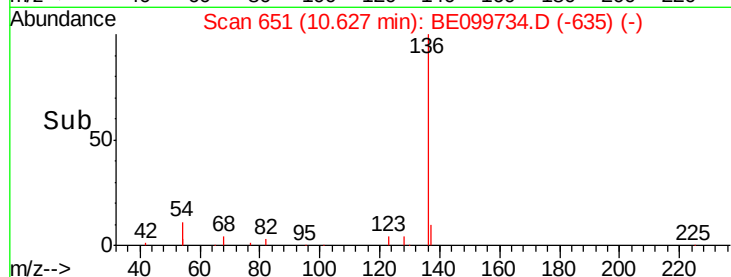


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.471 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

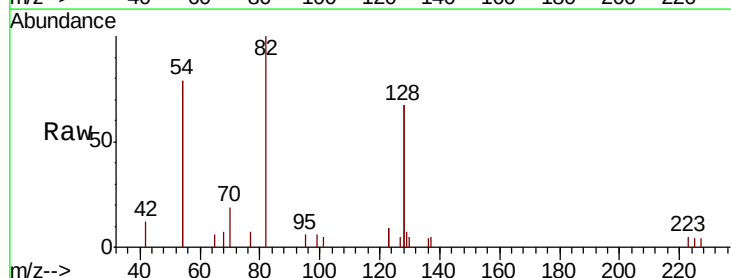
Tgt Ion: 82 Resp: 2045

Ion Ratio Lower Upper

82 100

128 134.4 117.7 176.5

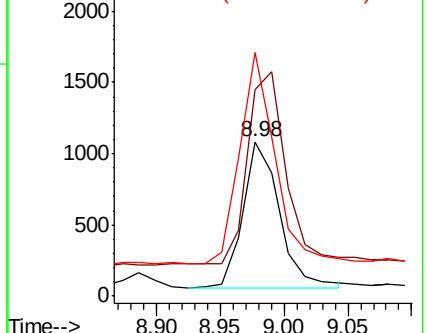
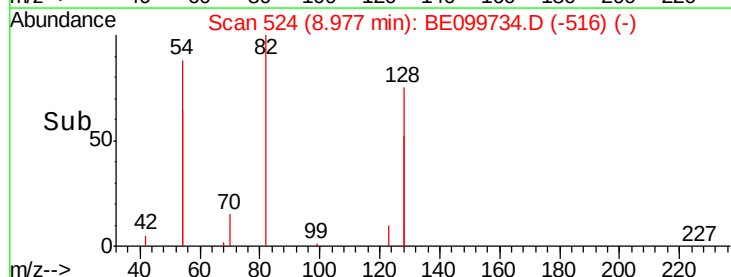
54 158.0 106.6 160.0

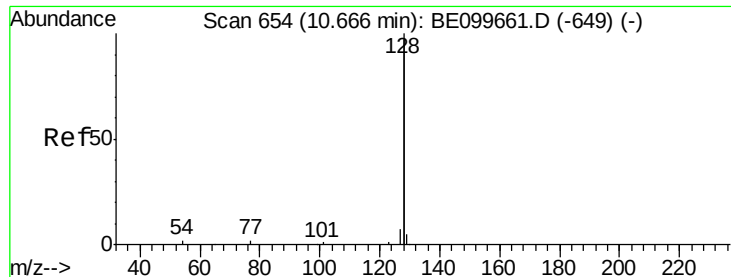


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.405 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

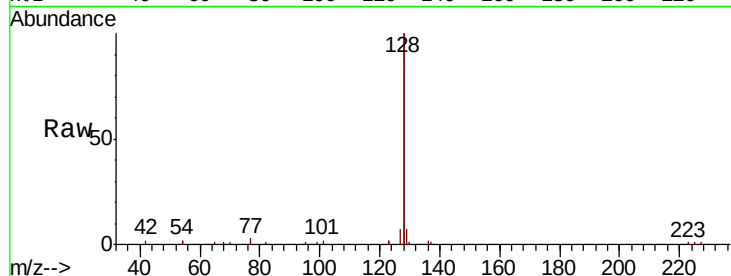
Tot Ion:128 Resp: 21705

Ion Ratio Lower Upper

128 100

129 3.3 2.4 3.6

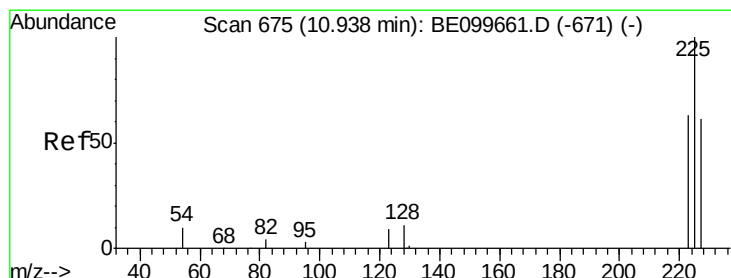
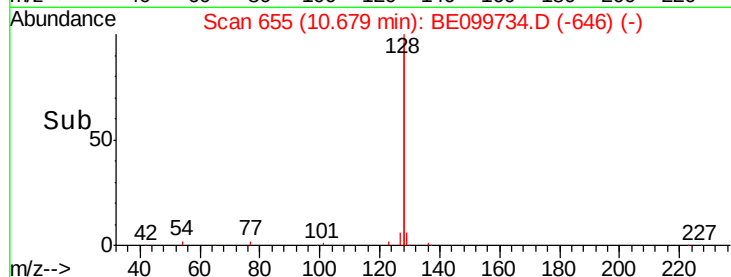
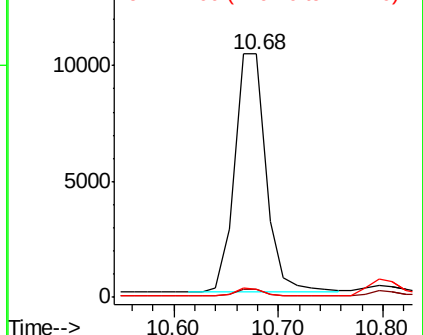
127 3.5 2.9 4.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.406 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

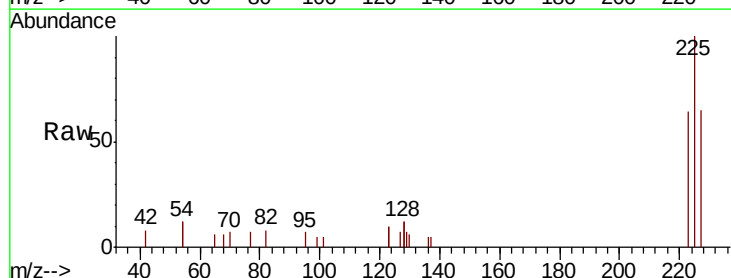
Tgt Ion:225 Resp: 1602

Ion Ratio Lower Upper

225 100

223 62.0 51.8 77.6

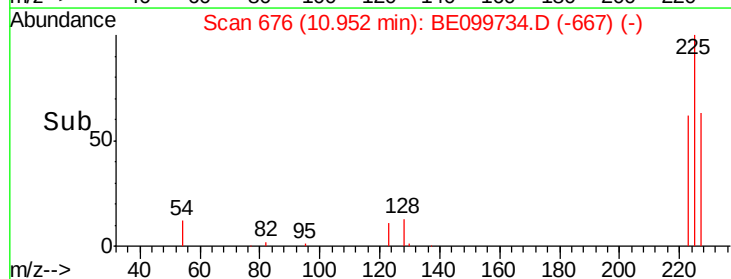
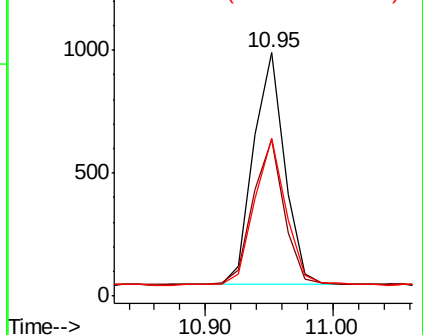
227 63.9 52.6 79.0

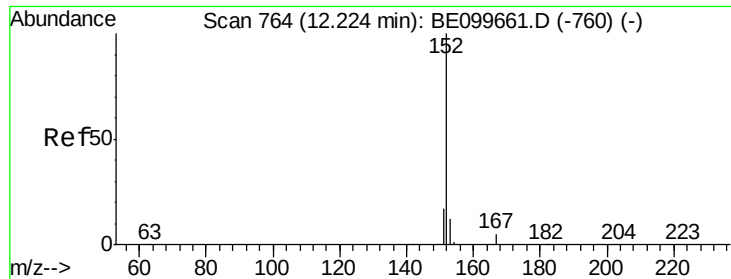


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

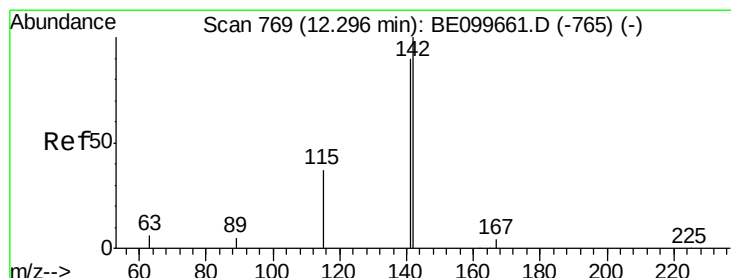
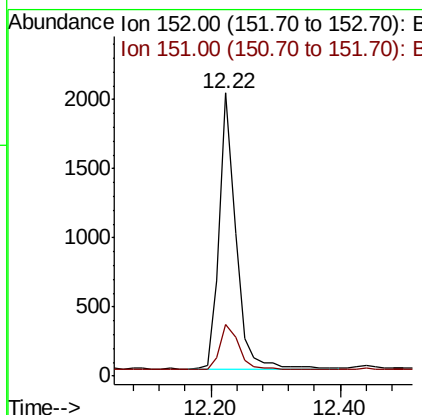
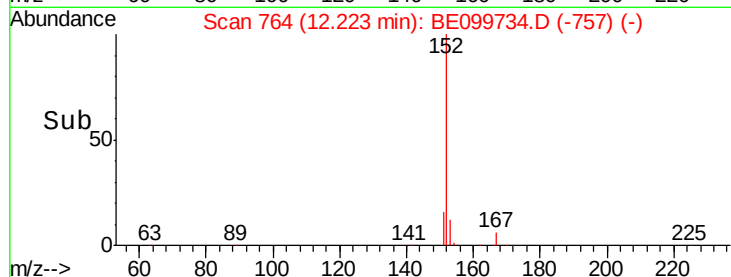
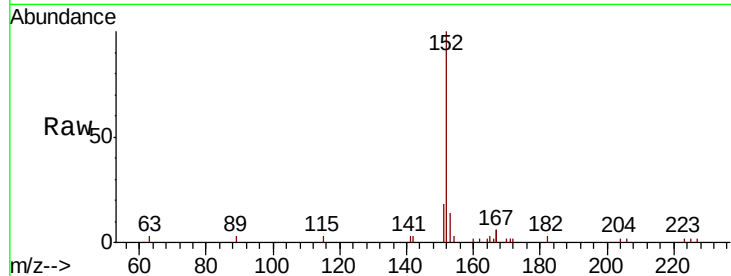




#11
 2-Methylnaphthalene-d10
 Concen: 0.415 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099734.D
 Acq: 23 May 2019 15:43

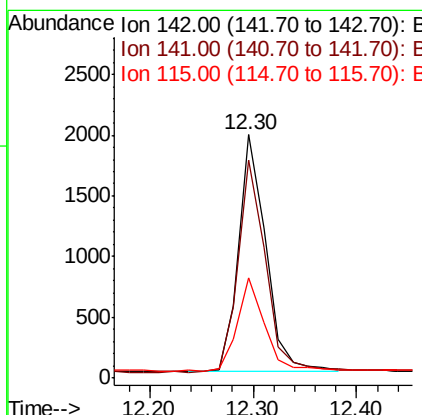
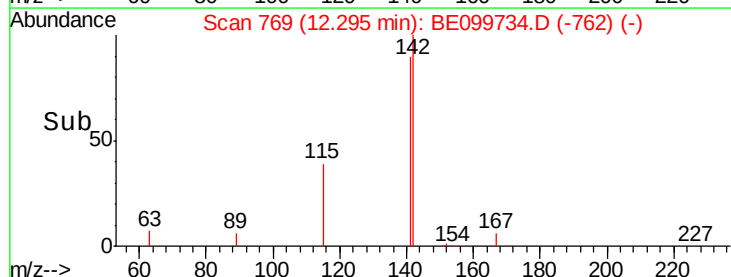
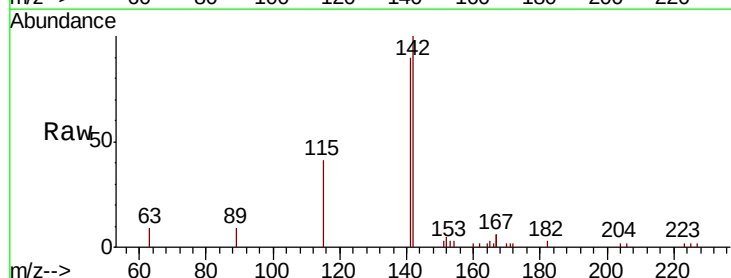
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

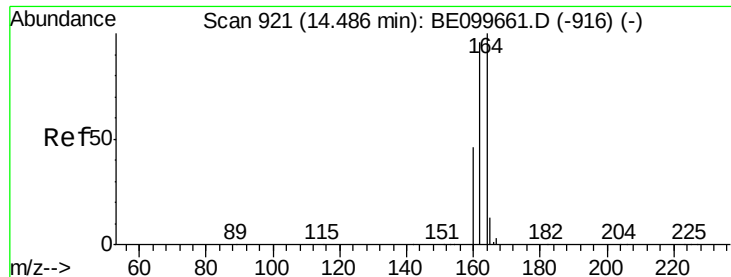
Tot Ion:152 Resp: 3591
 Ion Ratio Lower Upper
 152 100
 151 18.2 15.0 22.4



#12
 2-Methylnaphthalene
 Concen: 0.409 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE099734.D
 Acq: 23 May 2019 15:43

Tgt Ion:142 Resp: 3574
 Ion Ratio Lower Upper
 142 100
 141 89.7 72.0 108.0
 115 41.3 31.0 46.4

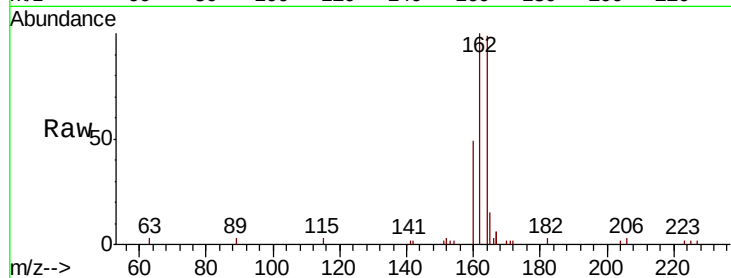




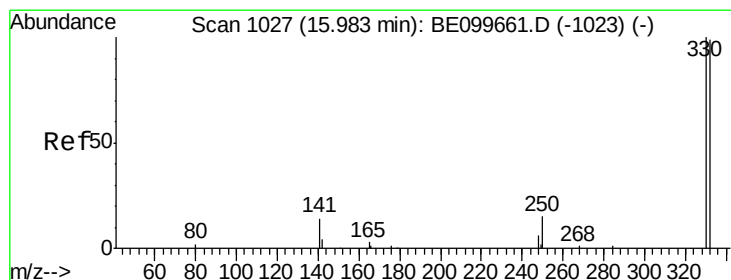
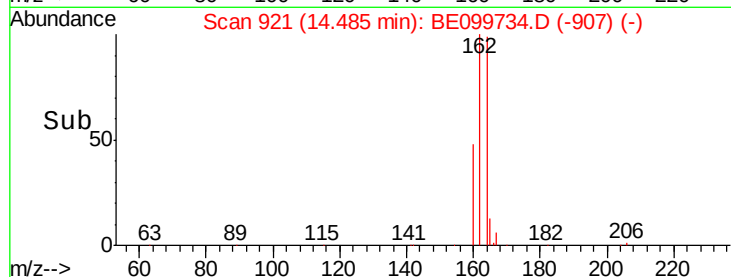
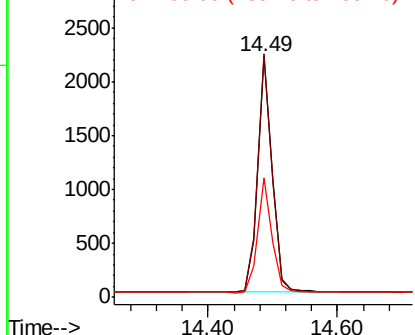
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099734.D
 Acq: 23 May 2019 15:43

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tot Ion:164 Resp: 3373
 Ion Ratio Lower Upper
 164 100
 162 101.1 76.5 114.7
 160 49.6 37.4 56.2

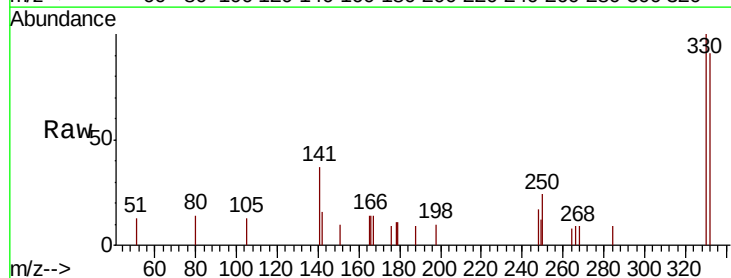


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

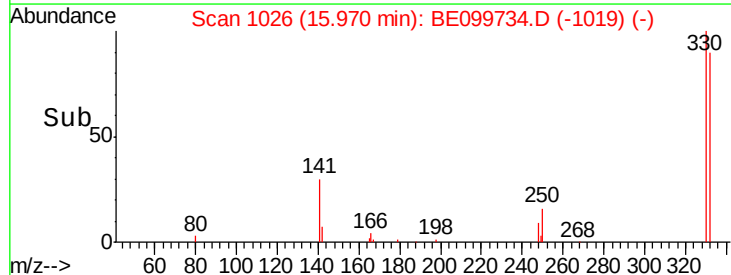
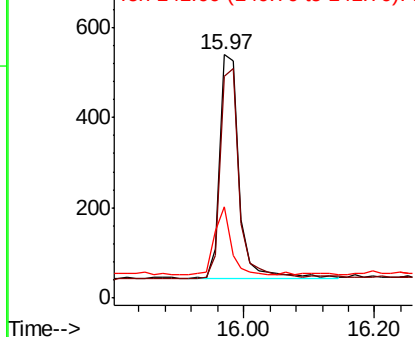


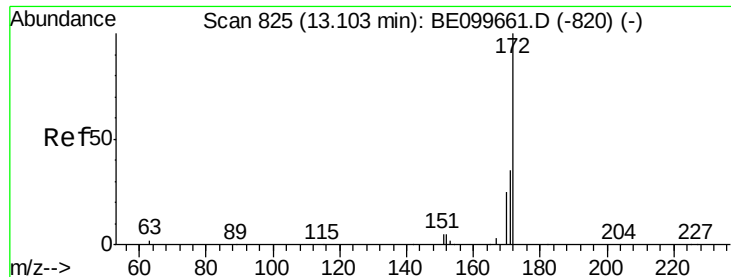
#14
 2,4,6-Tribromophenol
 Concen: 0.528 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE099734.D
 Acq: 23 May 2019 15:43

Tgt Ion:330 Resp: 1034
 Ion Ratio Lower Upper
 330 100
 332 92.9 77.3 115.9
 141 25.6 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

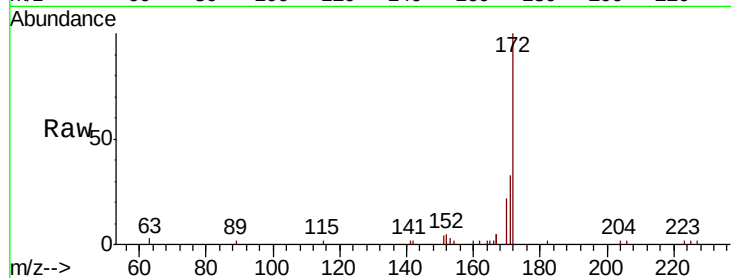




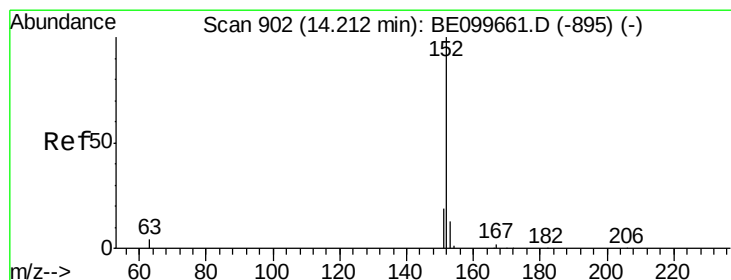
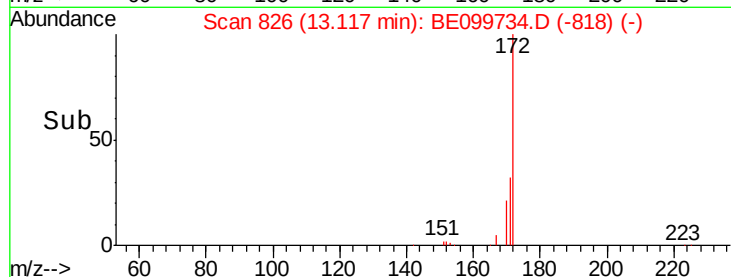
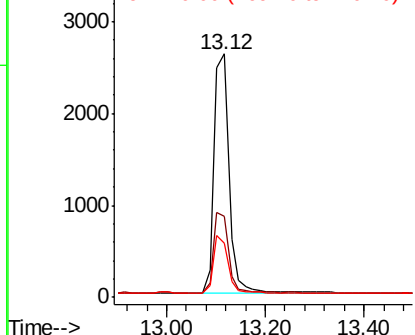
#15
2-Fluorobiphenyl
Concen: 0.428 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099734.D
Acq: 23 May 2019 15:43

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:172 Resp: 5472
Ion Ratio Lower Upper
172 100
171 33.5 28.7 43.1
170 22.1 20.9 31.3

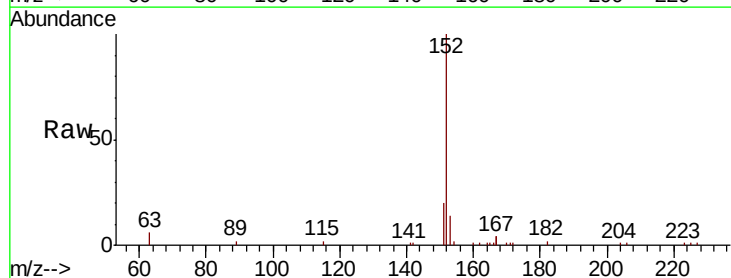


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

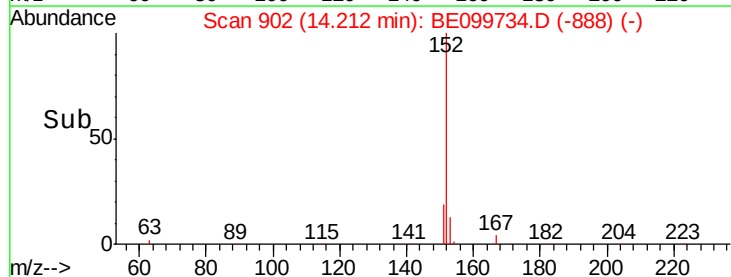
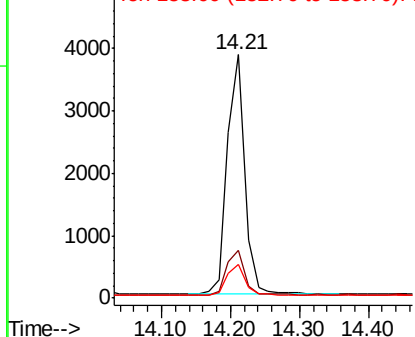


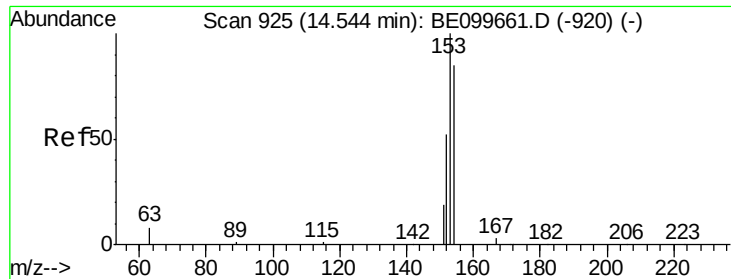
#16
Acenaphthylene
Concen: 0.432 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099734.D
Acq: 23 May 2019 15:43

Tgt Ion:152 Resp: 6791
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 13.0 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.432 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

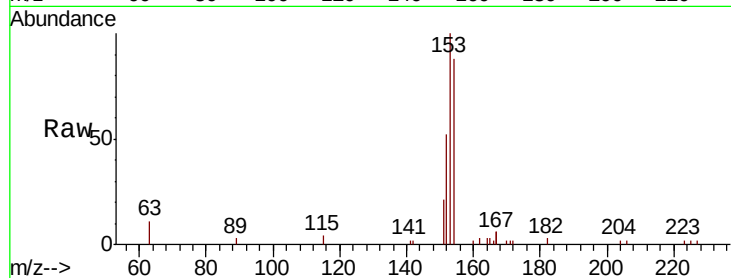
Tot Ion:154 Resp: 3810

Ion Ratio Lower Upper

154 100

153 112.4 91.8 137.6

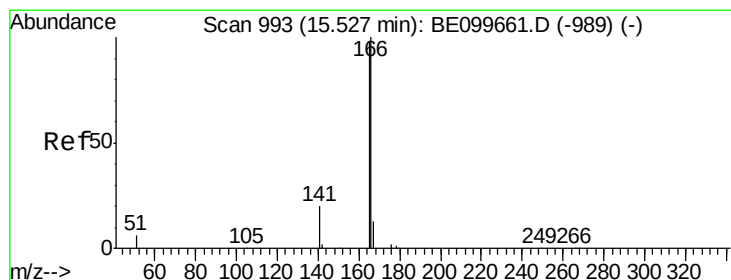
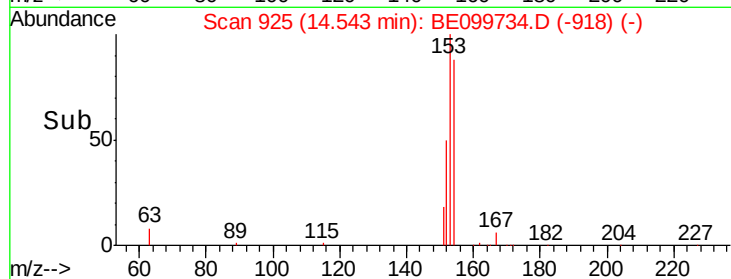
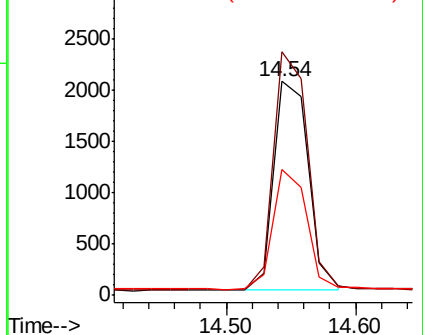
152 55.7 46.0 69.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.412 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

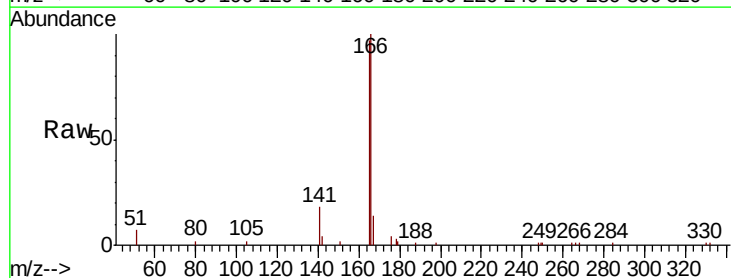
Tgt Ion:166 Resp: 5354

Ion Ratio Lower Upper

166 100

165 99.9 80.3 120.5

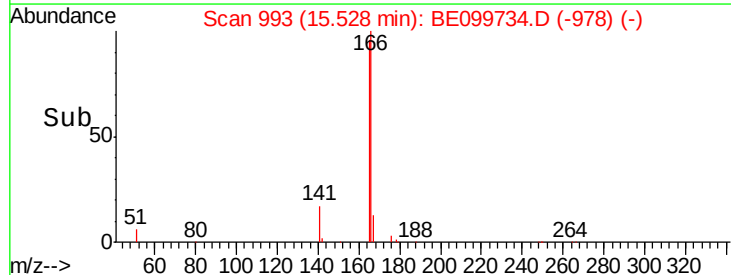
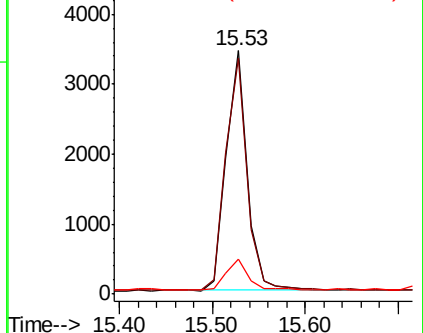
167 13.4 10.6 16.0

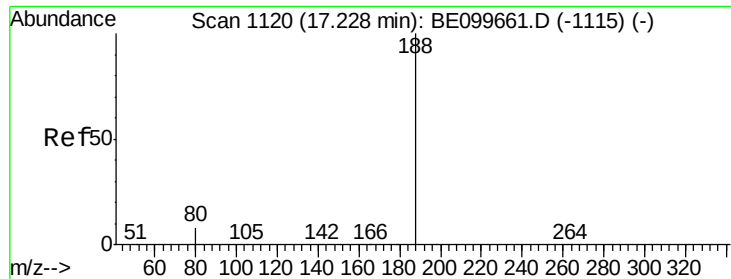


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

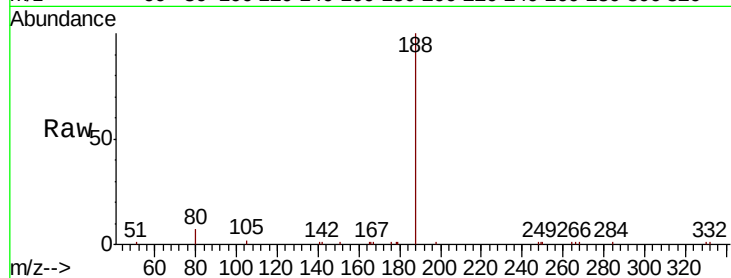
Tot Ion:188 Resp: 9917

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.2 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

8000

6000

4000

2000

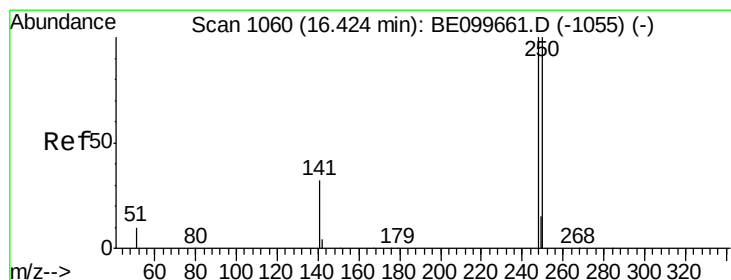
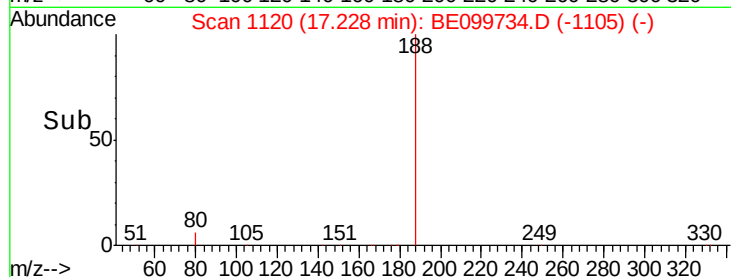
0

17.23

17.20

17.40

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.406 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

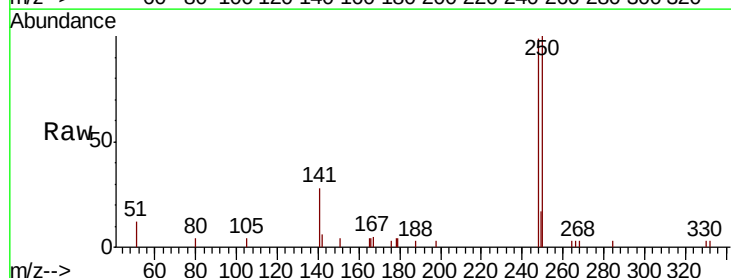
Tgt Ion:248 Resp: 2320

Ion Ratio Lower Upper

248 100

250 100.8 79.8 119.8

141 27.8 27.0 40.6



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

2000

1500

1000

500

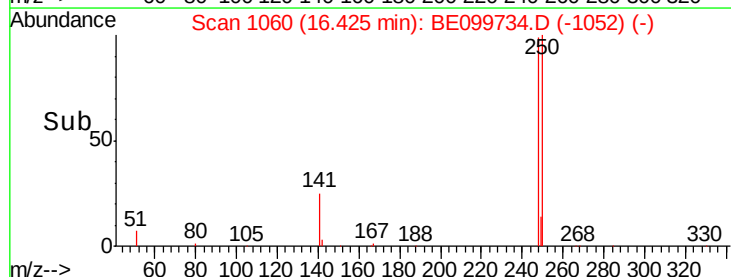
0

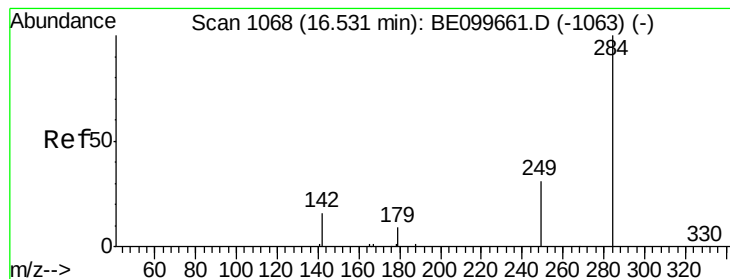
16.43

16.40

16.50

Time-->





#21

Hexachlorobenzene

Concen: 0.410 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

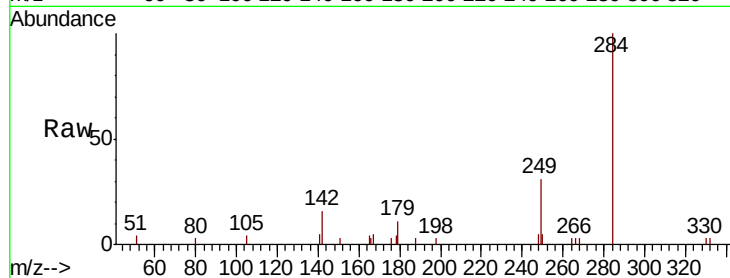
Tot Ion:284 Resp: 2399

Ion Ratio Lower Upper

284 100

142 22.8 17.8 26.6

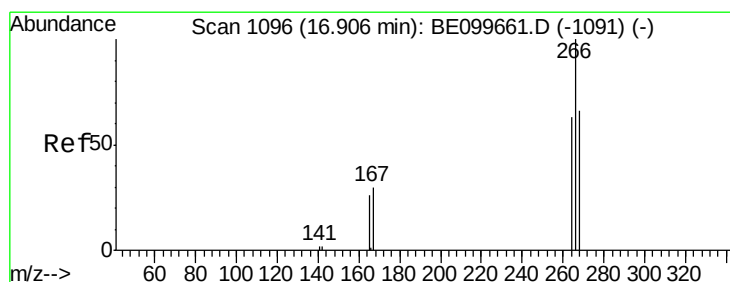
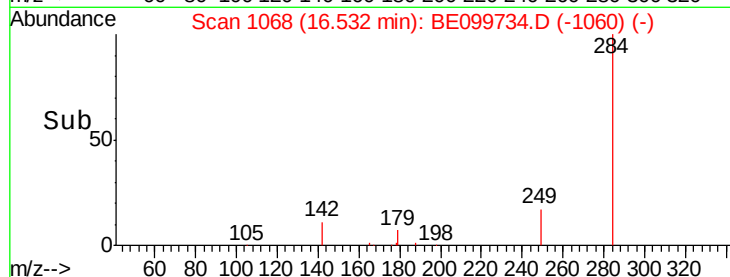
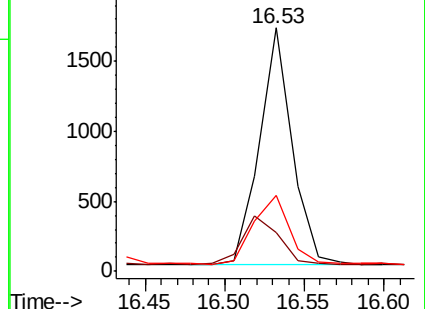
249 31.1 24.8 37.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.829 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

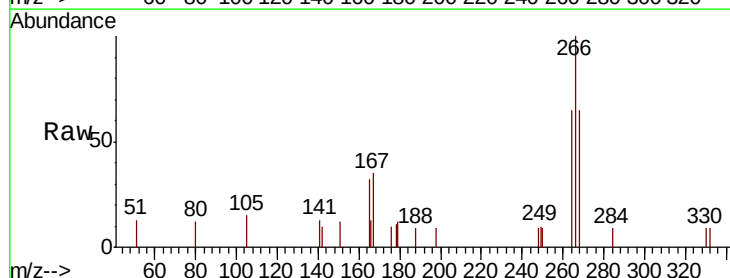
Tgt Ion:266 Resp: 1236

Ion Ratio Lower Upper

266 100

264 65.3 57.2 85.8

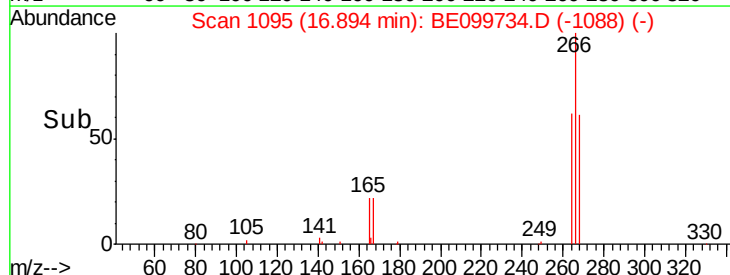
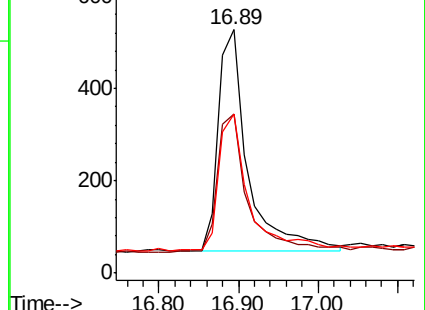
268 65.3 60.5 90.7

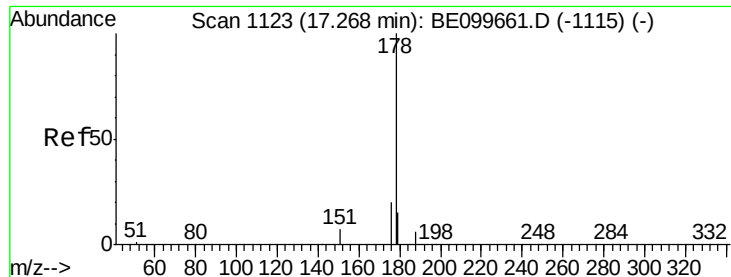


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.405 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

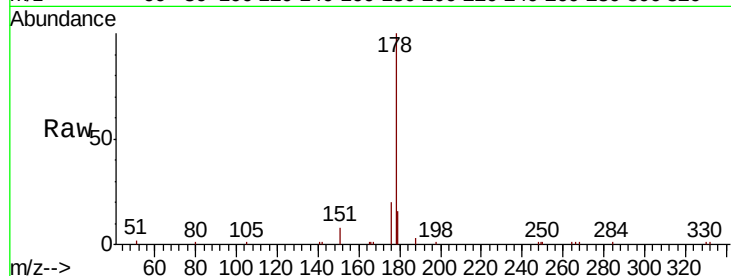
Tot Ion:178 Resp: 9820

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

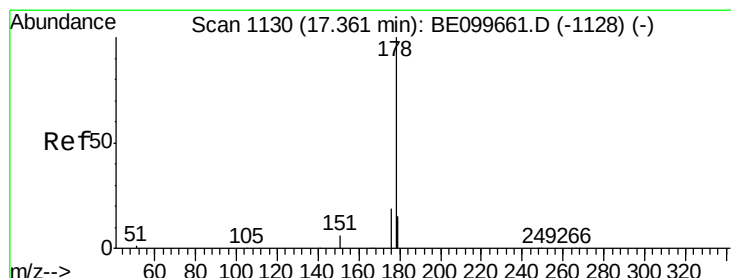
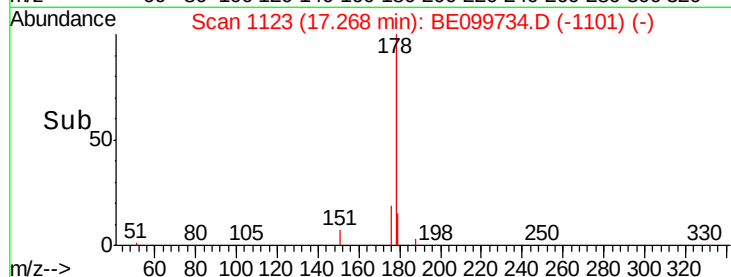
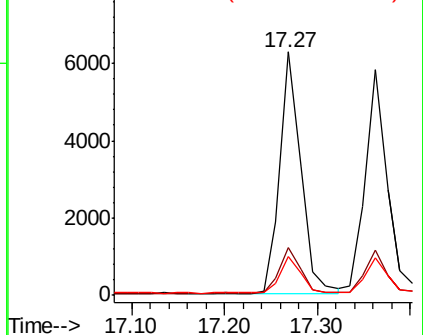
179 15.6 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.420 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

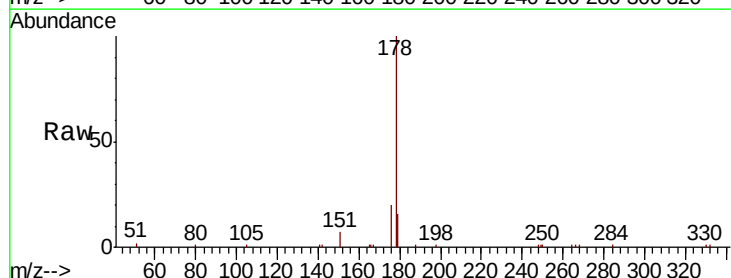
Tgt Ion:178 Resp: 9225

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

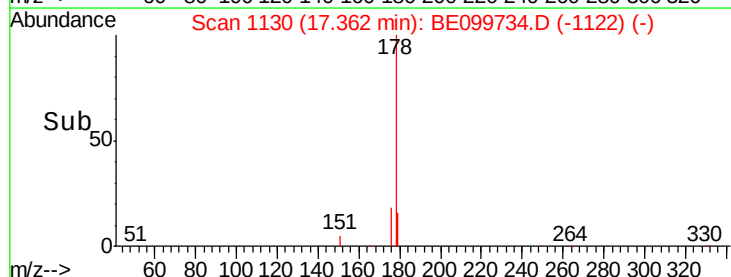
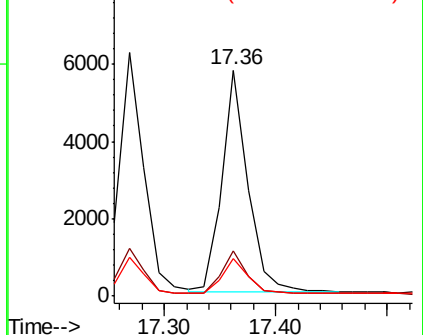
179 15.1 12.0 18.0

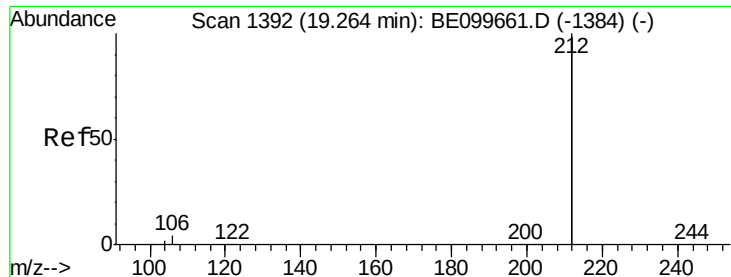


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.406 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

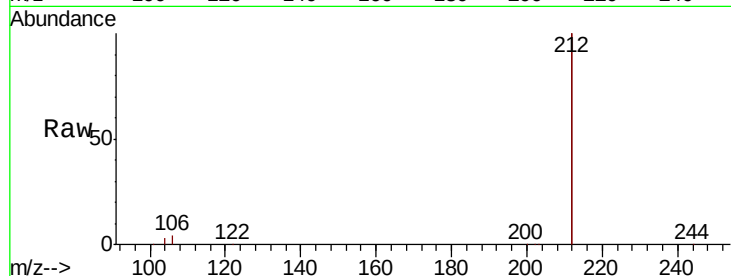
Tot Ion:212 Resp: 54961

Ion Ratio Lower Upper

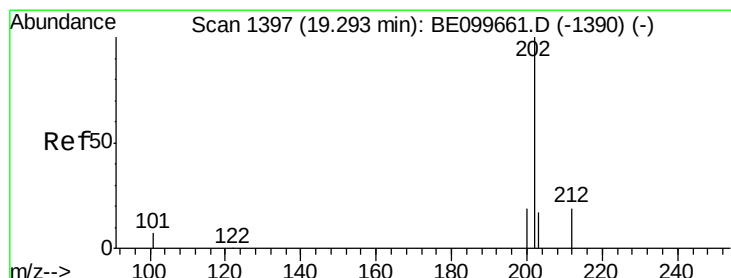
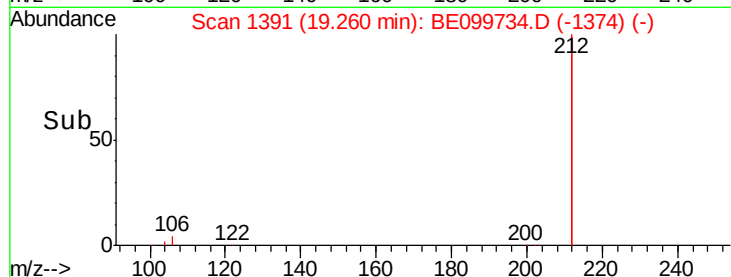
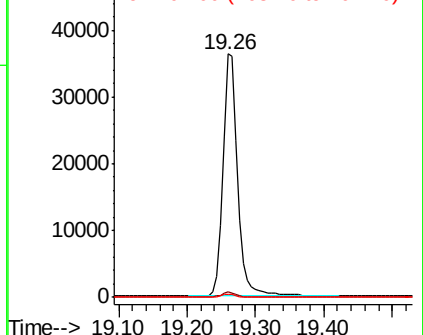
212 100

106 1.9 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: 0.403 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

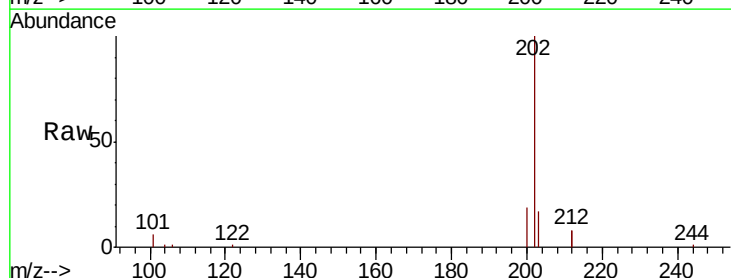
Tgt Ion:202 Resp: 15458

Ion Ratio Lower Upper

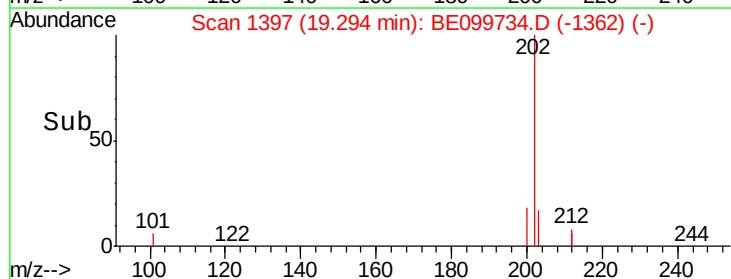
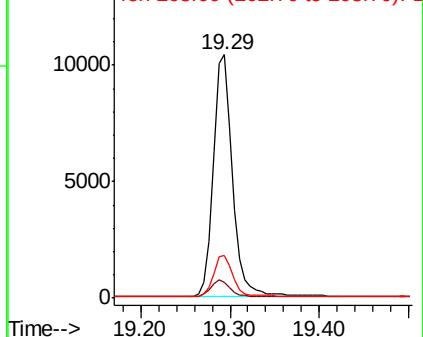
202 100

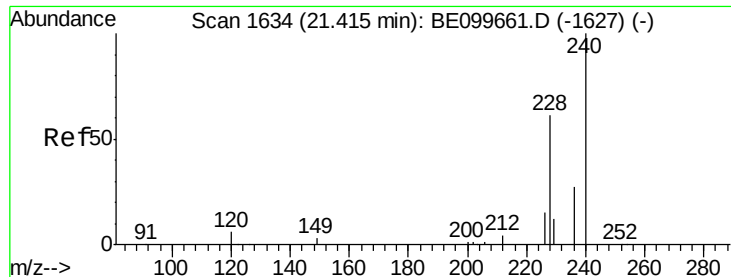
101 6.9 5.2 7.8

203 17.0 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

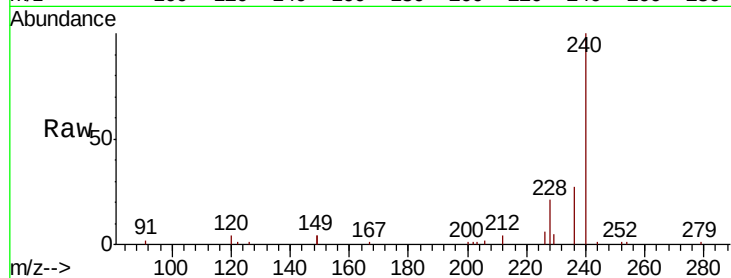




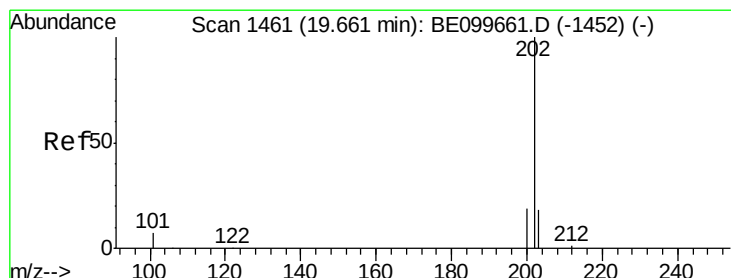
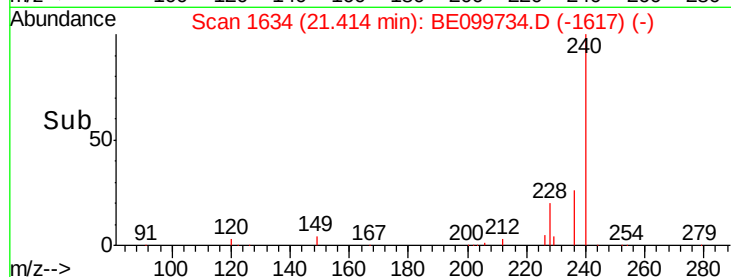
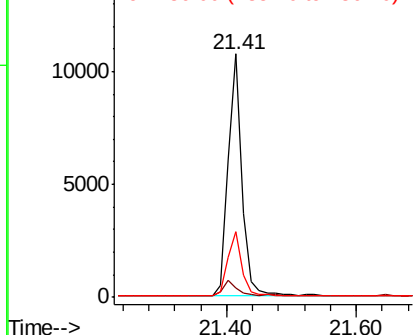
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099734.D
Acq: 23 May 2019 15:43

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:240 Resp: 16181
Ion Ratio Lower Upper
240 100
120 3.8 5.4 8.0#
236 27.0 21.7 32.5

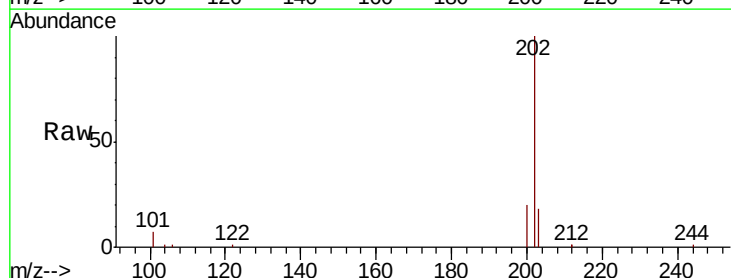


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

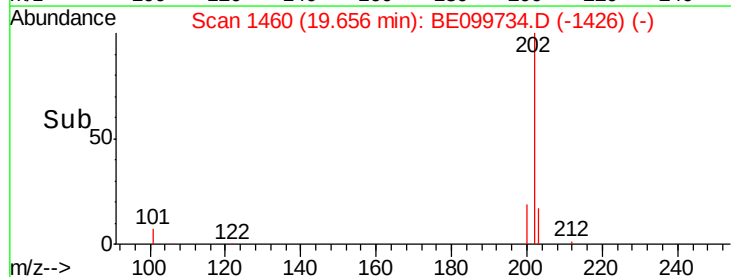
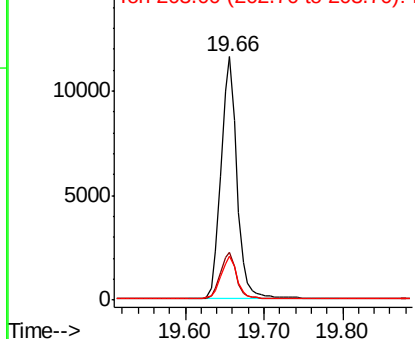


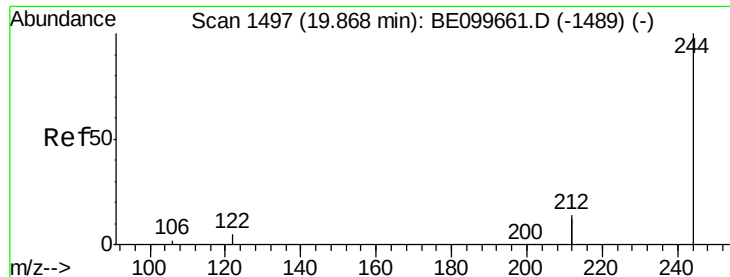
#28
Pyrene
Concen: 0.400 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BE099734.D
Acq: 23 May 2019 15:43

Tgt Ion:202 Resp: 16254
Ion Ratio Lower Upper
202 100
200 19.5 15.4 23.2
203 17.7 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.395 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

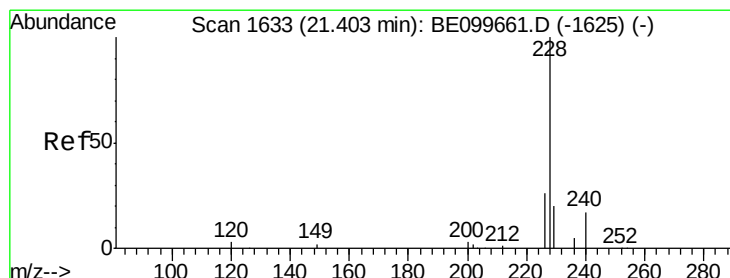
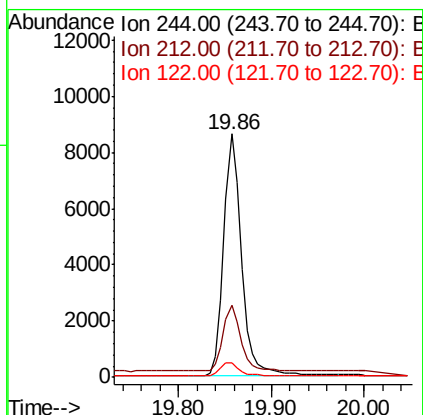
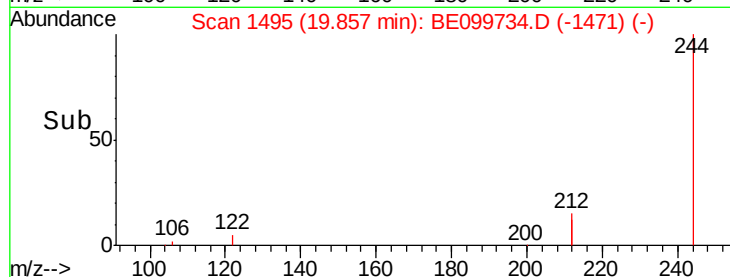
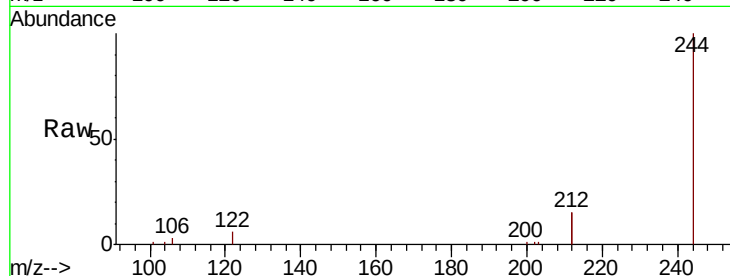
Tot Ion:244 Resp: 11403

Ion Ratio Lower Upper

244 100

212 29.8 22.5 33.7

122 6.0 4.3 6.5



#30

Benzo(a)anthracene

Concen: 0.449 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

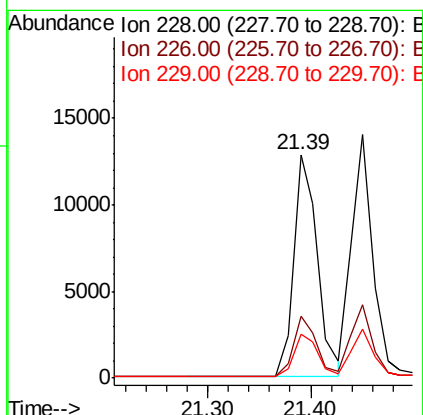
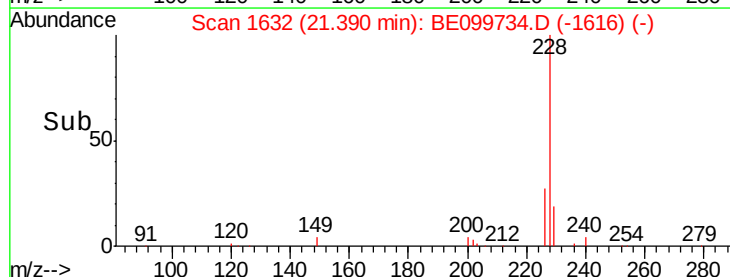
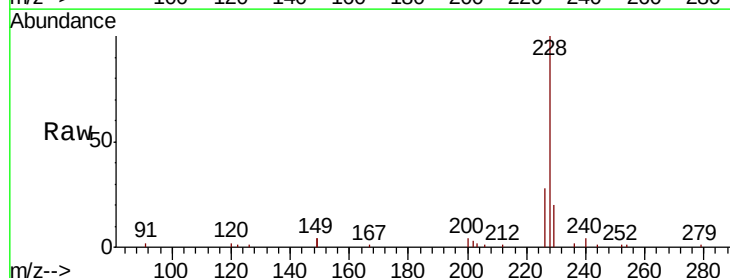
Tgt Ion:228 Resp: 20623

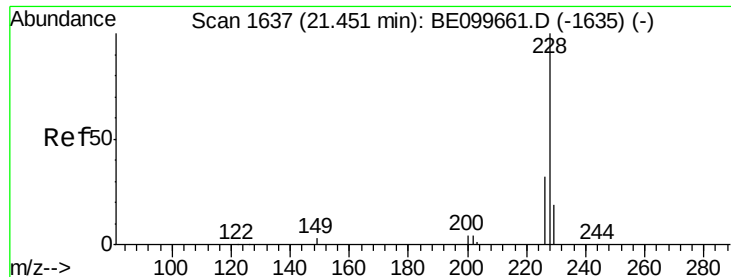
Ion Ratio Lower Upper

228 100

226 27.9 21.3 31.9

229 19.8 16.1 24.1





#31

Chrysene

Concen: 0.402 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

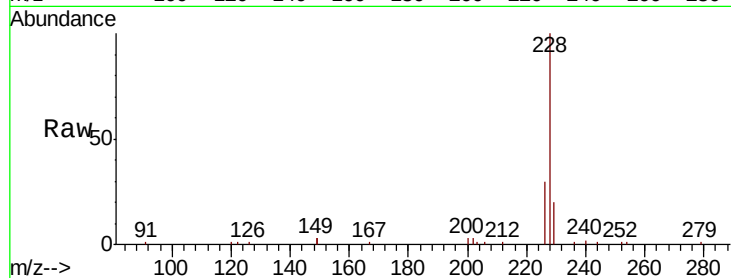
Tot Ion:228 Resp: 19776

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

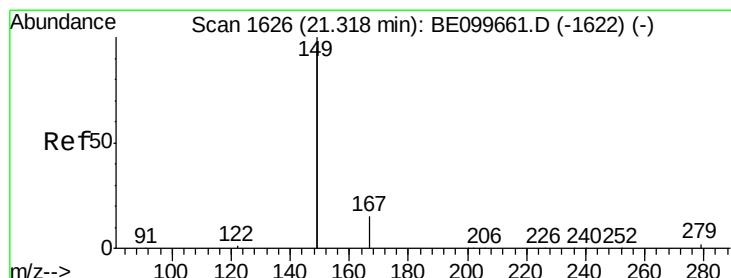
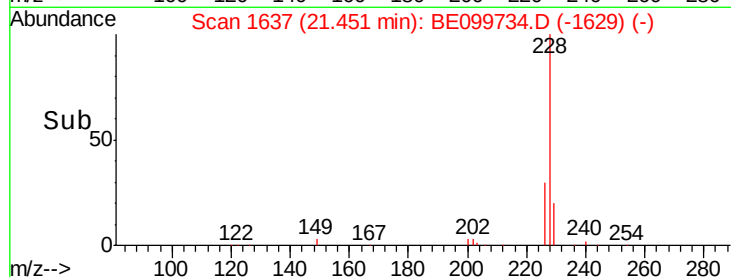
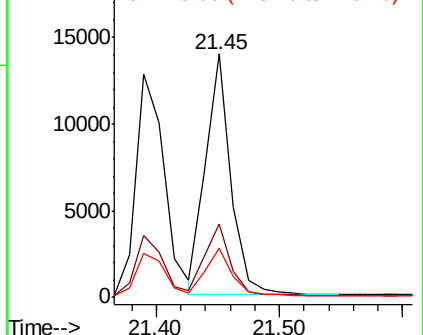
229 20.3 15.8 23.6



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: 0.557 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

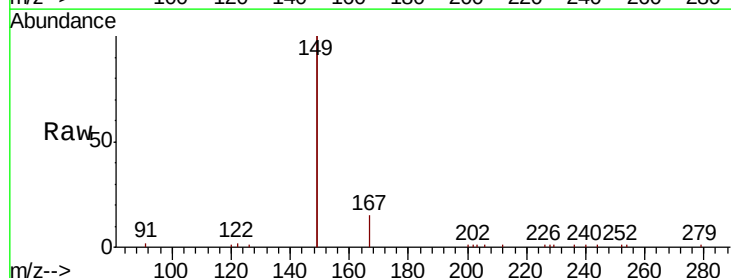
Tgt Ion:149 Resp: 29528

Ion Ratio Lower Upper

149 100

167 7.5 6.2 9.4

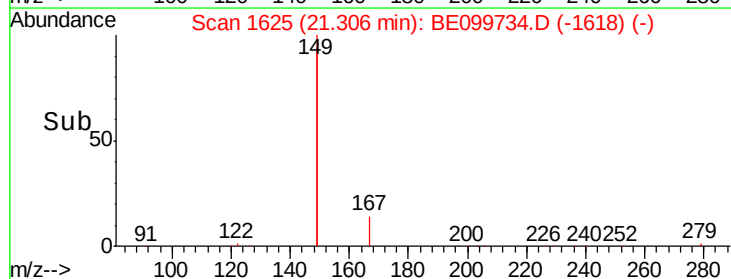
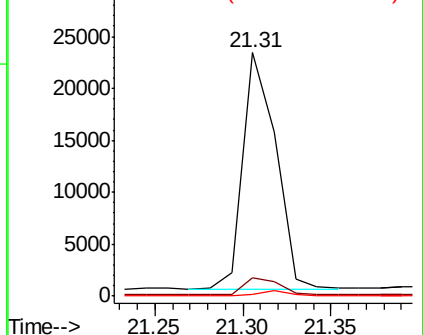
279 1.5 1.2 1.8

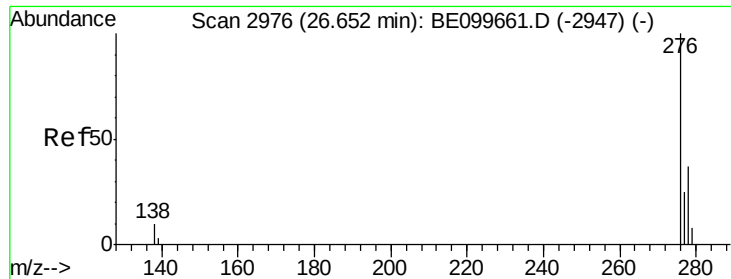


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

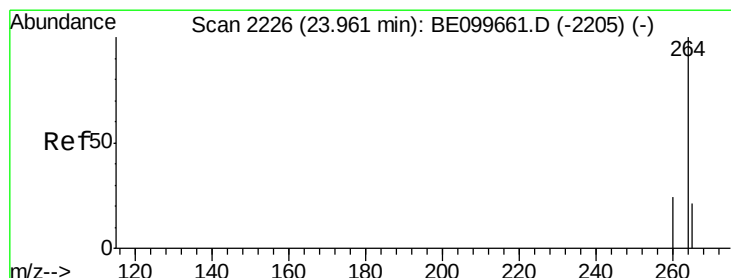
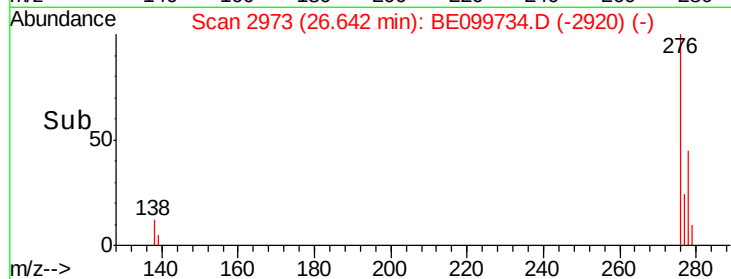
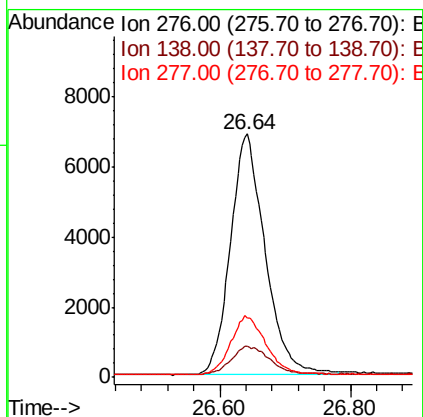
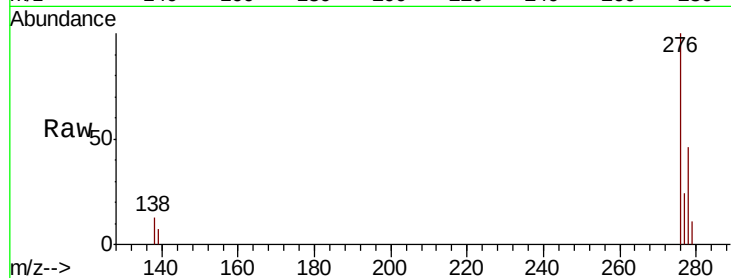




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.429 ng
 RT: 26.64 min Scan# 2973
 Delta R.T. -0.01 min
 Lab File: BE099734.D
 Acq: 23 May 2019 15:43

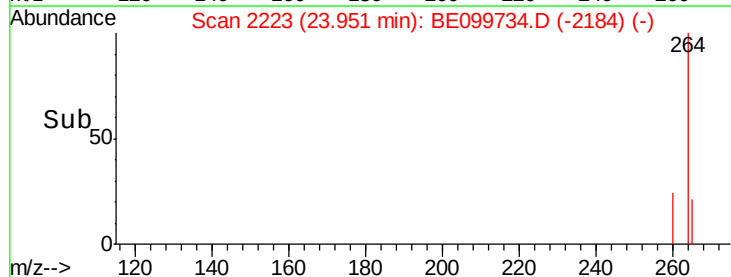
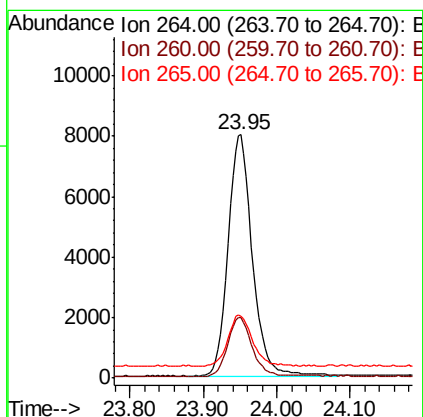
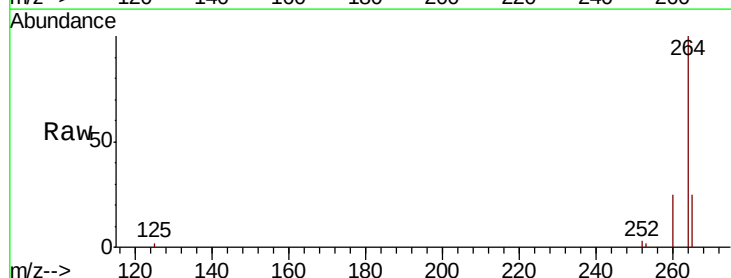
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

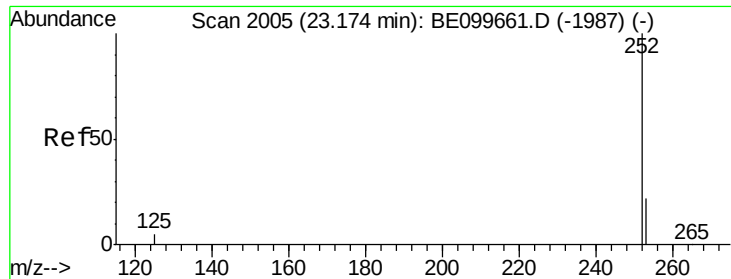
Tot Ion:276 Resp: 25440
 Ion Ratio Lower Upper
 276 100
 138 12.6 9.6 14.4
 277 24.8 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.95 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BE099734.D
 Acq: 23 May 2019 15:43

Tgt Ion:264 Resp: 18502
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.6 29.4
 265 25.2 19.1 28.7





#35

Benzo(b)fluoranthene

Concen: 0.404 ng

RT: 23.22 min Scan# 2017

Delta R.T. 0.04 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

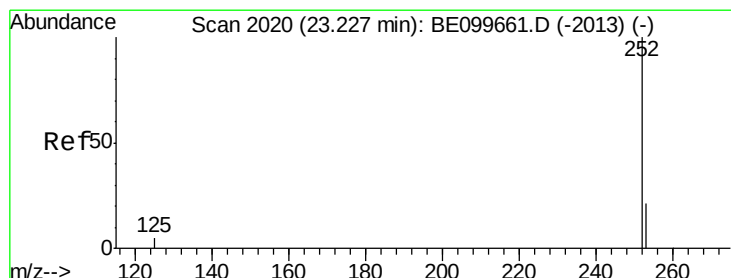
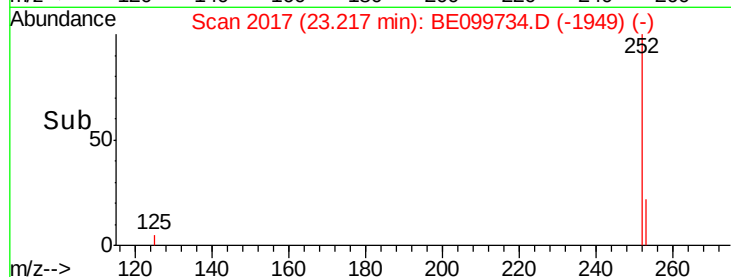
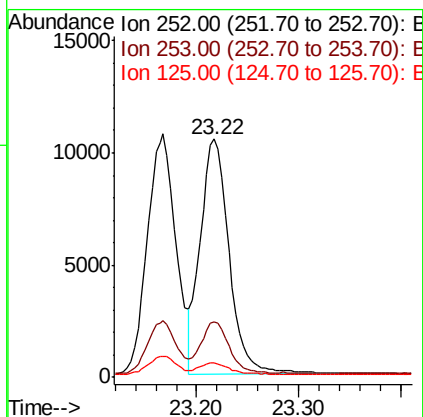
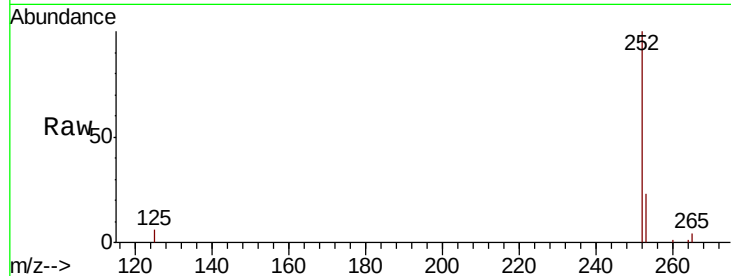
Tot Ion:252 Resp: 20484

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

125 6.0 4.5 6.7



#36

Benzo(k)fluoranthene

Concen: 0.388 ng

RT: 23.22 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

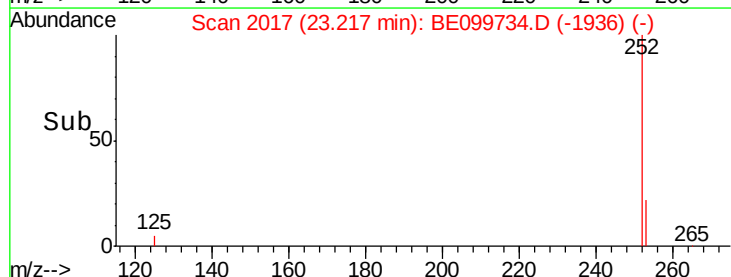
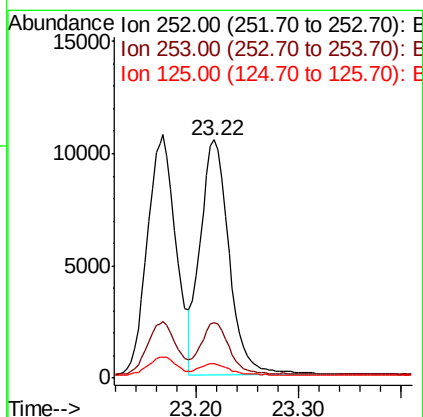
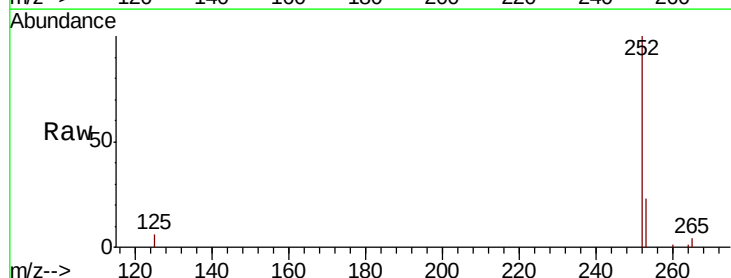
Tgt Ion:252 Resp: 20484

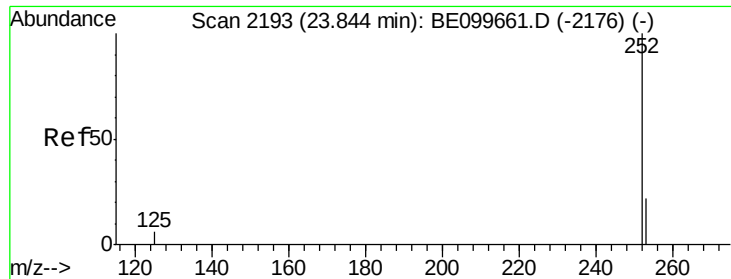
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 6.0 4.6 6.8





#37

Benzo(a)pyrene

Concen: 0.412 ng

RT: 23.83 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

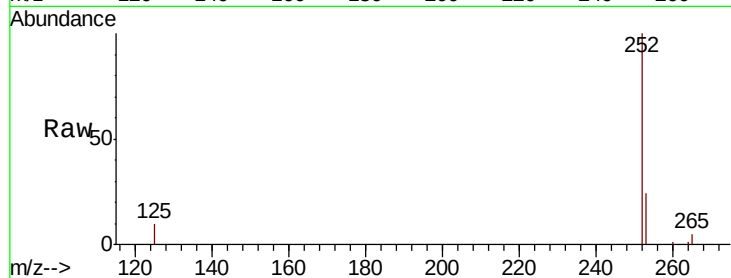
Tot Ion:252 Resp: 20093

Ion Ratio Lower Upper

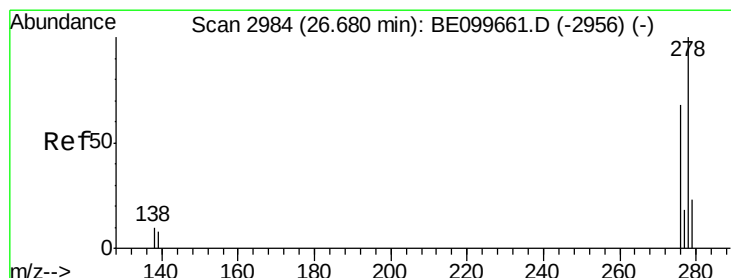
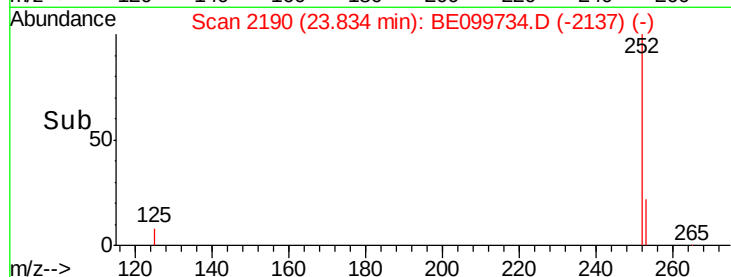
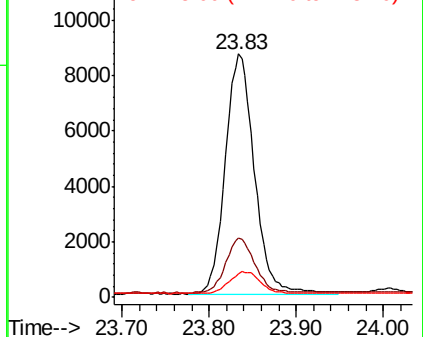
252 100

253 24.1 18.9 28.3

125 9.5 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.408 ng

RT: 26.67 min Scan# 2980

Delta R.T. -0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

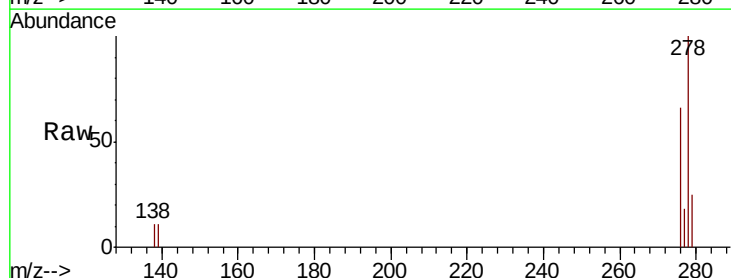
Tgt Ion:278 Resp: 20927

Ion Ratio Lower Upper

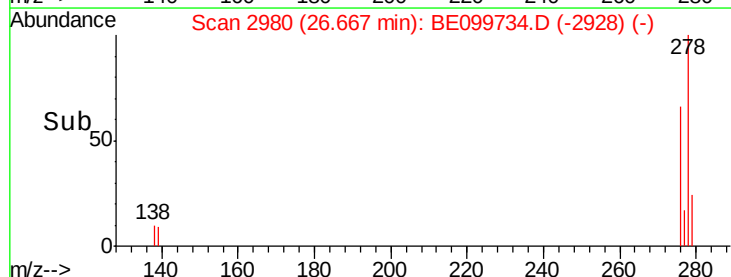
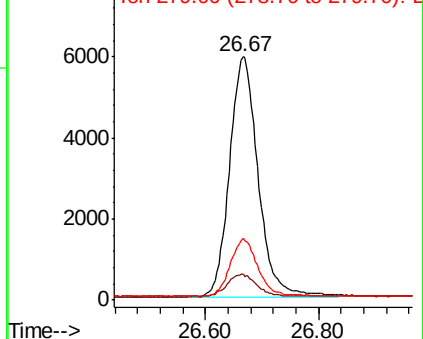
278 100

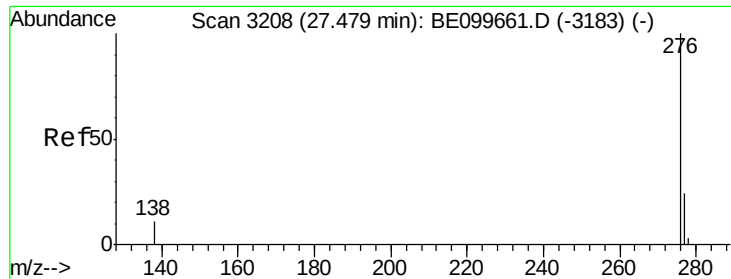
139 10.6 6.9 10.3#

279 25.3 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.406 ng

RT: 27.47 min Scan# 3205

Delta R.T. -0.01 min

Lab File: BE099734.D

Acq: 23 May 2019 15:43

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

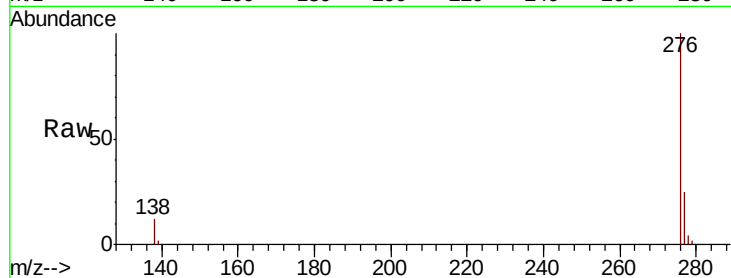
Tot Ion: 276 Resp: 20979

Ion Ratio Lower Upper

276 100

277 24.6 19.8 29.6

138 11.9 9.2 13.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

