

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051019\
 Data File : BE099597.D
 Acq On : 10 May 2019 11:01
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: May 11 01:00:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 09 13:32:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1769	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	6507	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4586	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	12883	0.40	ng	0.00
27) Chrysene-d12	21.43	240	17533	0.40	ng	0.00
34) Perylene-d12	23.97	264	20673	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2000	0.41	ng	0.00
5) Phenol-d6	6.99	99	2685	0.42	ng	0.01
8) Nitrobenzene-d5	8.99	82	2514	0.41	ng	0.01
11) 2-Methylnaphthalene-d10	12.22	152	4492	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1111	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	7036	0.40	ng	0.00
25) Fluoranthene-d10	19.28	212	71243	0.42	ng	0.00
29) Terphenyl-d14	19.87	244	14885	0.48	ng	0.00

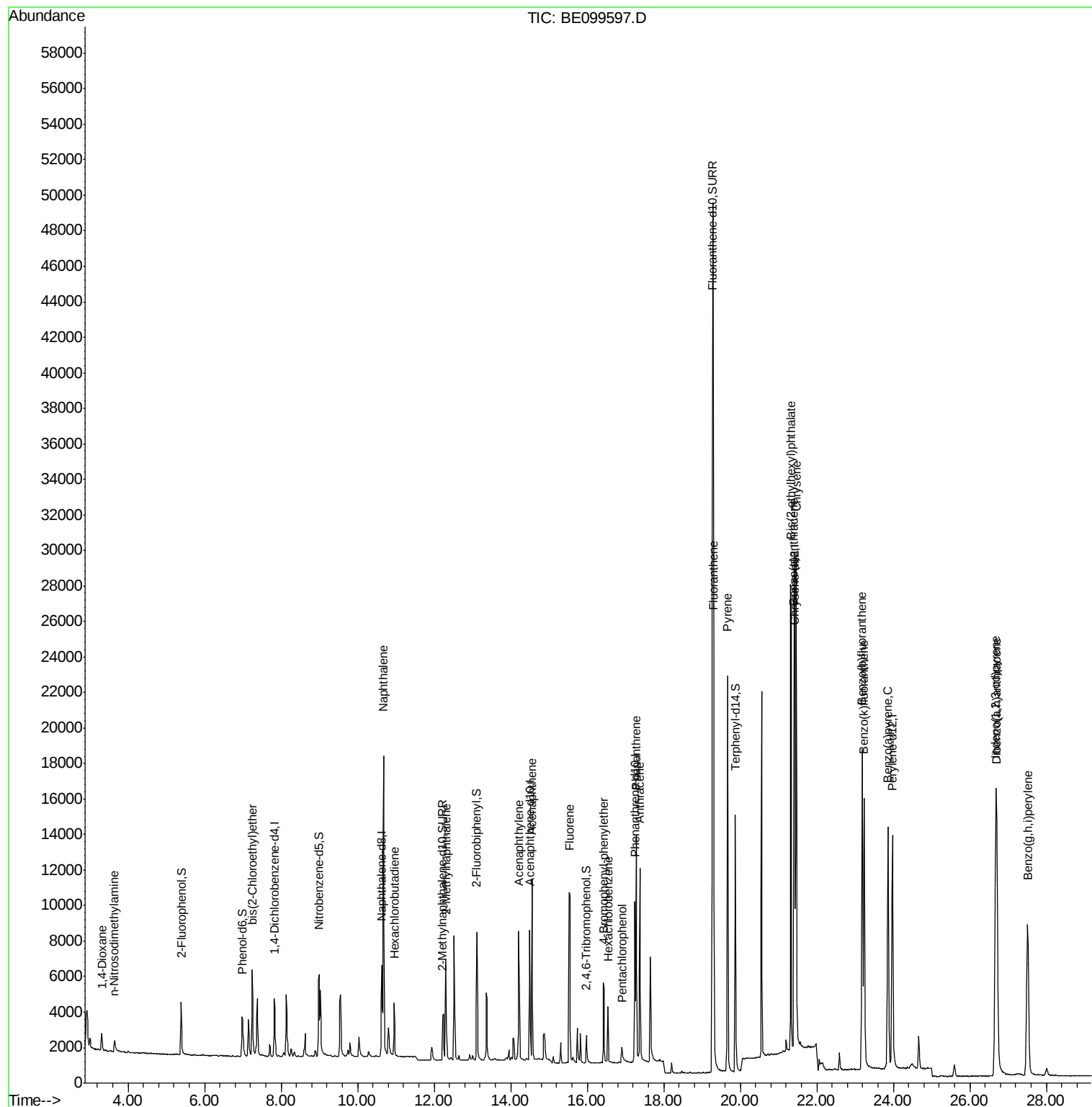
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	1028	0.412	ng	96
3) n-Nitrosodimethylamine	3.64	42	563	0.365	ng	# 1
6) bis(2-Chloroethyl)ether	7.24	93	2161	0.409	ng	97
9) Naphthalene	10.68	128	28835	0.416	ng	100
10) Hexachlorobutadiene	10.95	225	2104	0.420	ng	99
12) 2-Methylnaphthalene	12.31	142	4822	0.426	ng	95
16) Acenaphthylene	14.21	152	8745	0.394	ng	100
17) Acenaphthene	14.56	154	4958	0.400	ng	99
18) Fluorene	15.54	166	7275	0.411	ng	98
20) 4-Bromophenyl-phenylether	16.44	248	2987	0.406	ng	# 80
21) Hexachlorobenzene	16.54	284	3038	0.412	ng	99
22) Pentachlorophenol	16.91	266	985	0.488	ng	94
23) Phenanthrene	17.28	178	13669	0.427	ng	99
24) Anthracene	17.37	178	12200	0.406	ng	99
26) Fluoranthene	19.30	202	21048	0.437	ng	100
28) Pyrene	19.67	202	22093	0.478	ng	99
30) Benzo(a)anthracene	21.40	228	24696	0.461	ng	98
31) Chrysene	21.46	228	24747	0.462	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	36170	0.470	ng	100
33) Indeno(1,2,3-cd)pyrene	26.67	276	29229	0.438	ng	98
35) Benzo(b)fluoranthene	23.19	252	24405	0.427	ng	# 96
36) Benzo(k)fluoranthene	23.24	252	24457	0.431	ng	99
37) Benzo(a)pyrene	23.86	252	23605	0.427	ng	# 96
38) Dibenzo(a,h)anthracene	26.70	278	24020	0.415	ng	# 96
39) Benzo(g,h,i)perylene	27.51	276	24114	0.412	ng	100

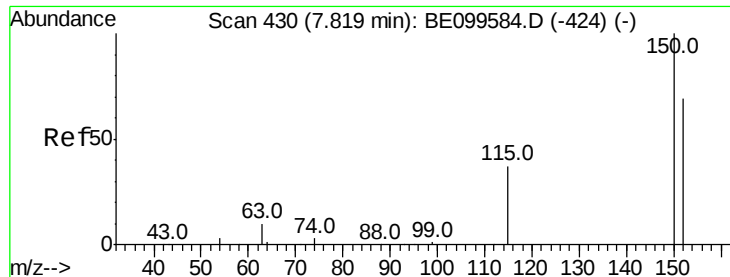
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

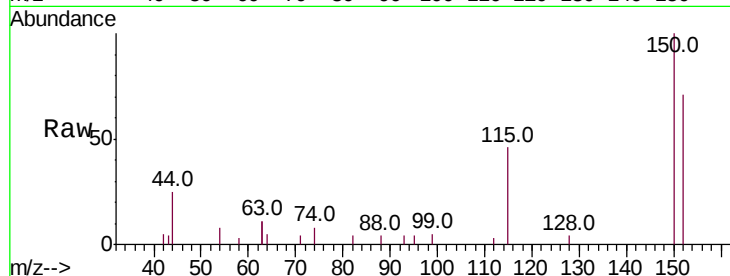
Tot Ion:152 Resp: 1769

Ion Ratio Lower Upper

152 100

150 140.8 114.2 171.4

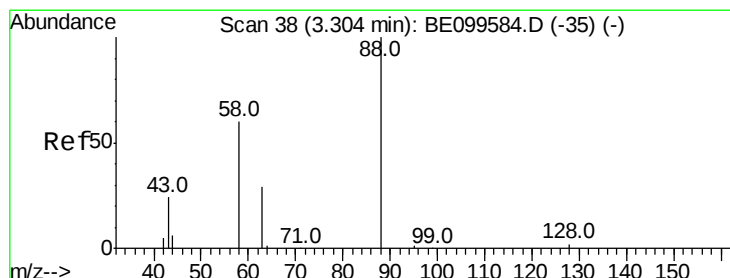
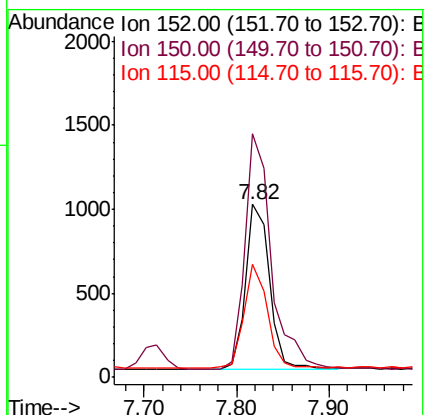
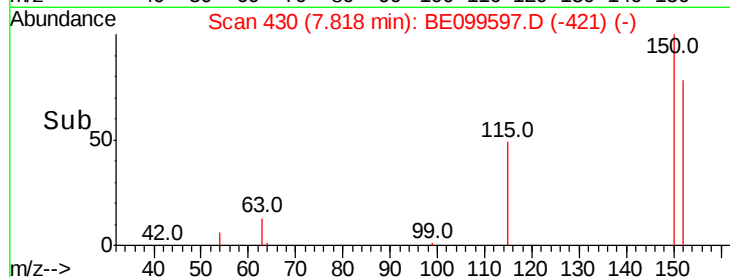
115 65.1 45.4 68.0



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: 0.412 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.01 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

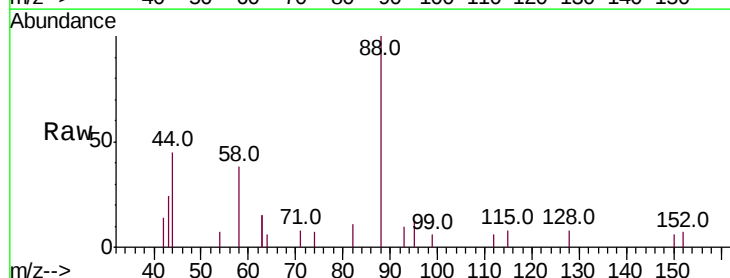
Tgt Ion: 88 Resp: 1028

Ion Ratio Lower Upper

88 100

58 54.3 41.3 61.9

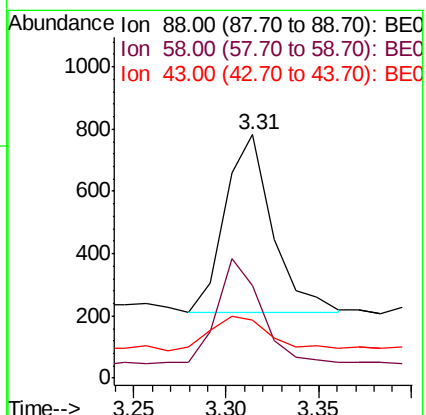
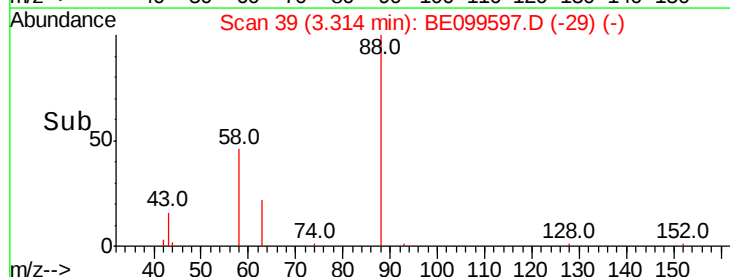
43 24.5 21.0 31.6

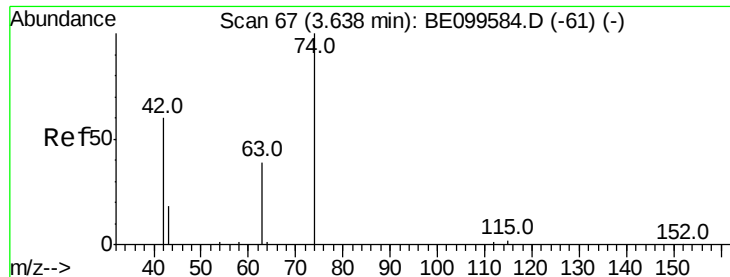


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.365 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

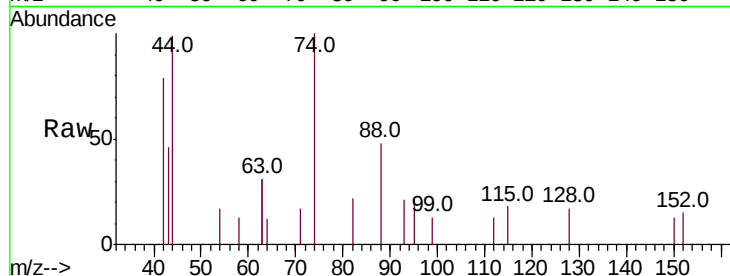
Tot Ion: 42 Resp: 563

Ion Ratio Lower Upper

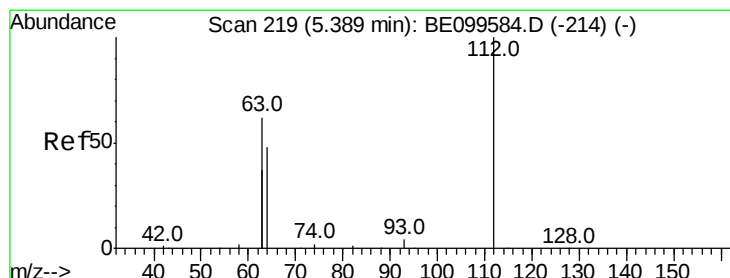
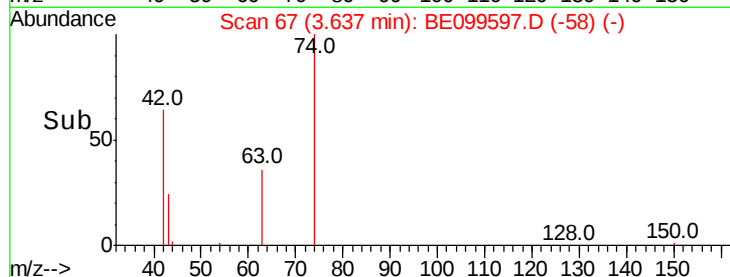
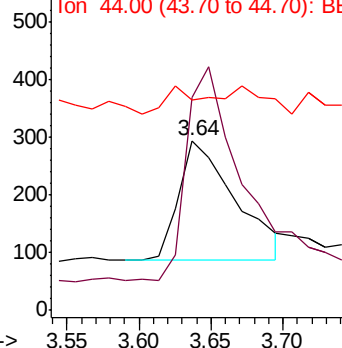
42 100

74 0.0 136.9 205.3#

44 16.5 7.1 10.7#



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: 0.413 ng

RT: 5.39 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

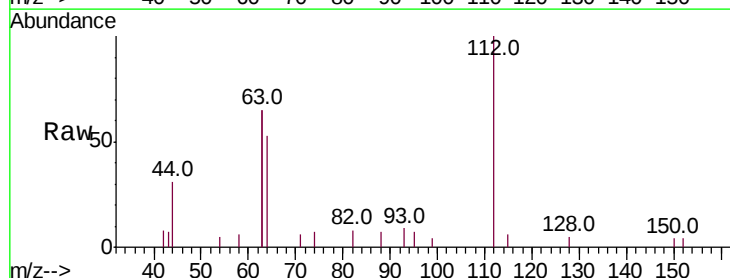
Tgt Ion: 112 Resp: 2000

Ion Ratio Lower Upper

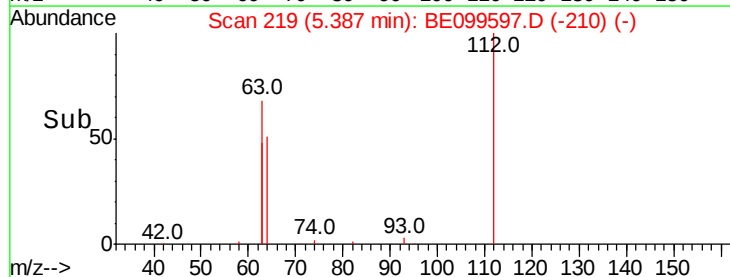
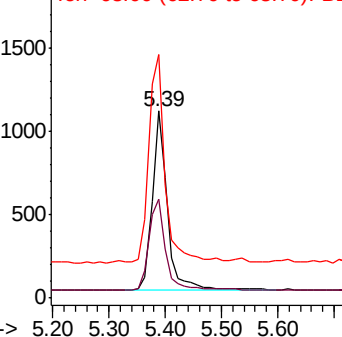
112 100

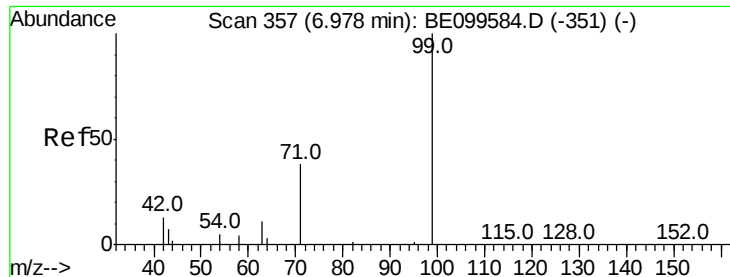
64 53.9 46.2 69.4

63 121.1 100.2 150.4



Abundance Ion 112.00 (111.70 to 112.70): BE0
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.422 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.01 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

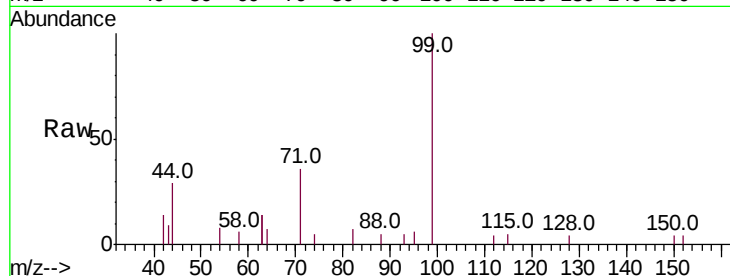
Tot Ion: 99 Resp: 2685

Ion Ratio Lower Upper

99 100

42 14.5 13.8 20.8

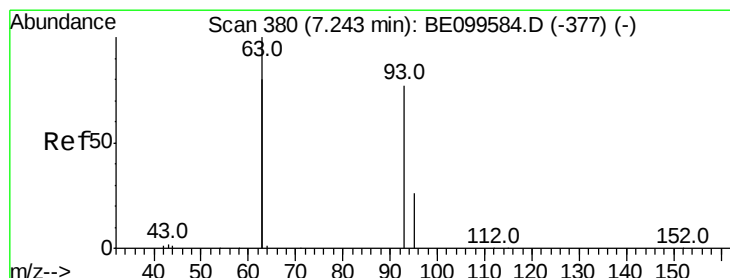
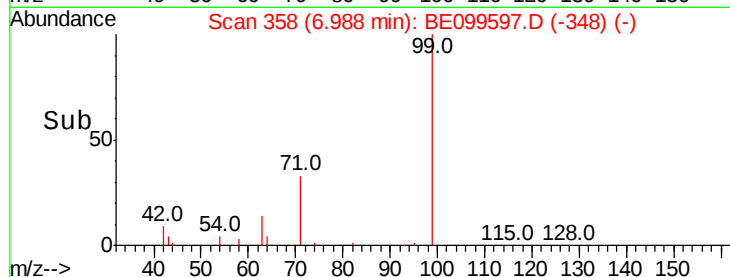
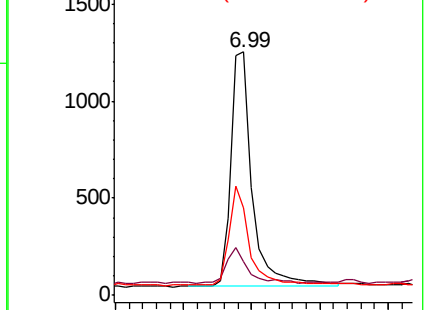
71 38.9 32.2 48.4



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: 0.409 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

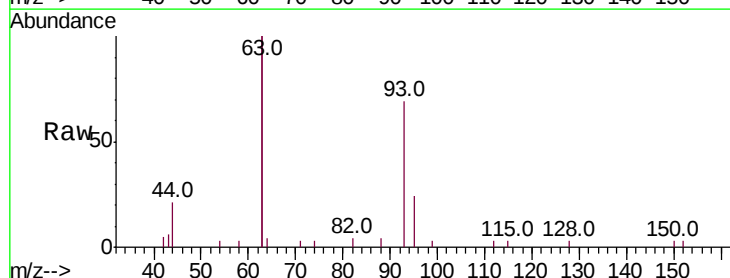
Tgt Ion: 93 Resp: 2161

Ion Ratio Lower Upper

93 100

63 260.7 213.4 320.0

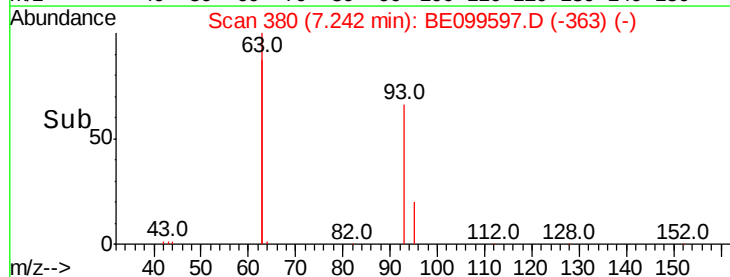
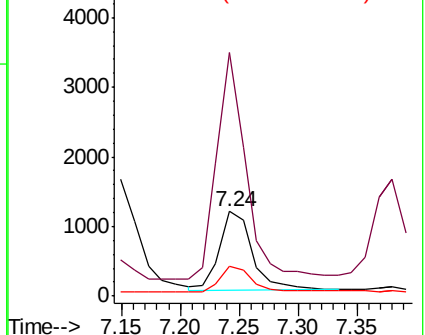
95 32.9 24.9 37.3

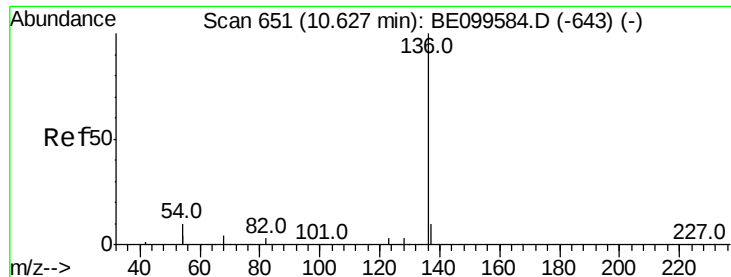


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. 0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 6507

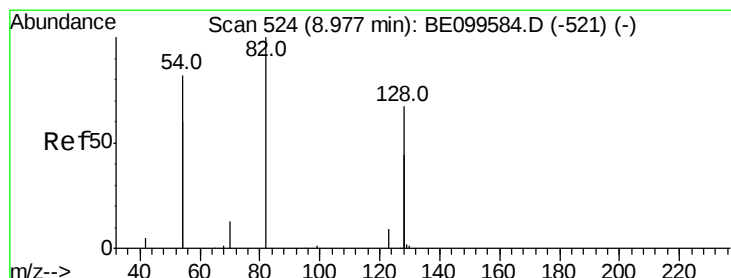
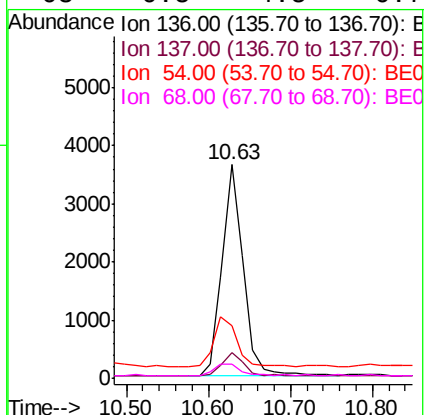
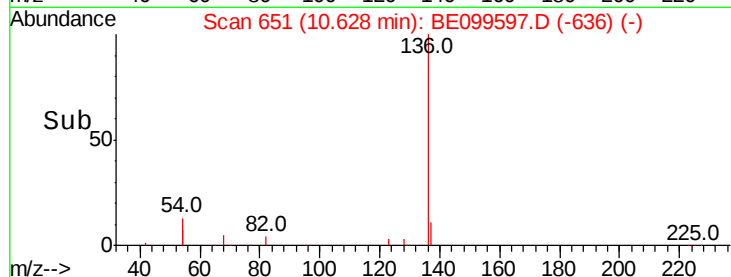
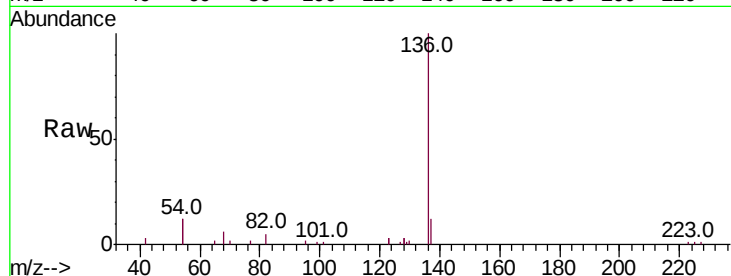
Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 24.7 16.5 24.7

68 6.5 4.5 6.7



#8

Nitrobenzene-d5

Concen: 0.412 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.01 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

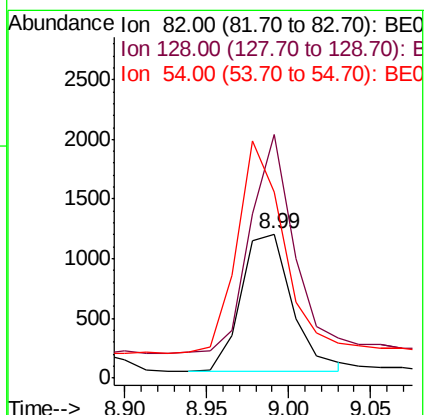
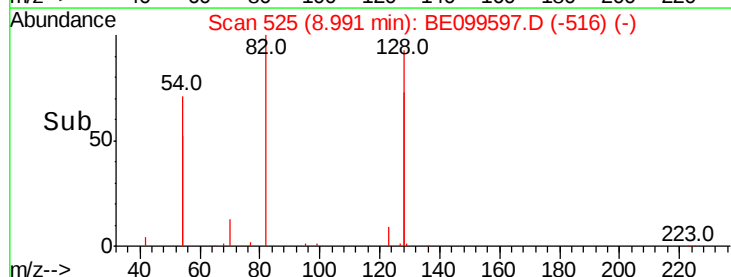
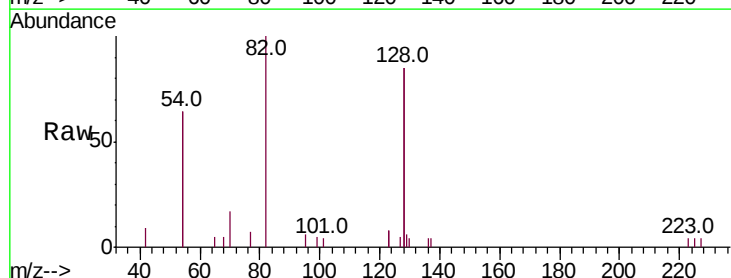
Tgt Ion: 82 Resp: 2514

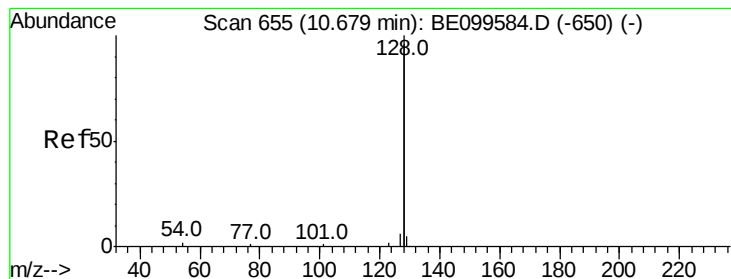
Ion Ratio Lower Upper

82 100

128 169.3 101.5 152.3#

54 129.0 123.8 185.6





#9

Naphthalene

Concen: 0.416 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

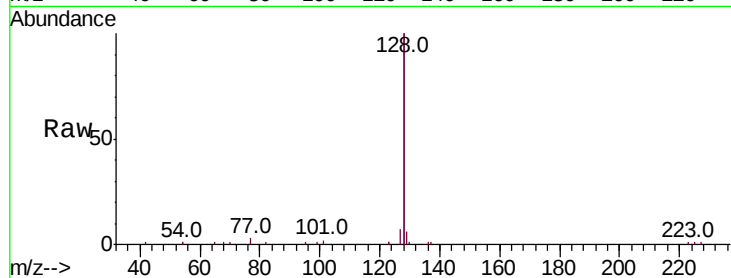
Tot Ion:128 Resp: 28835

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

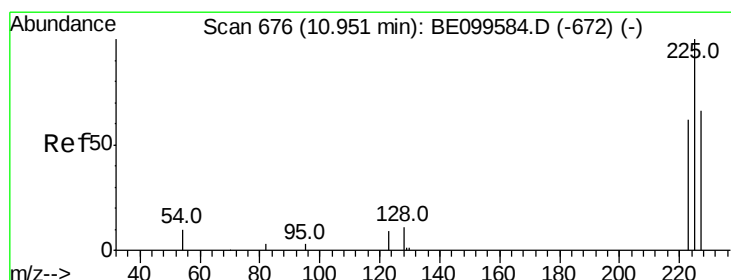
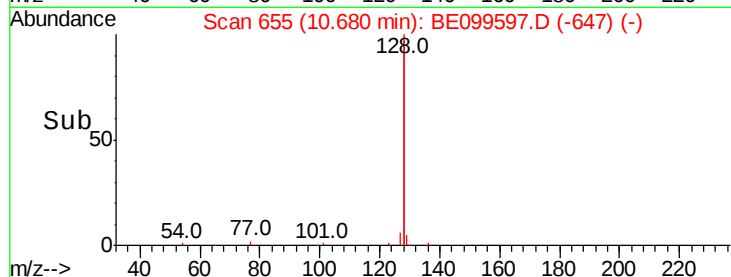
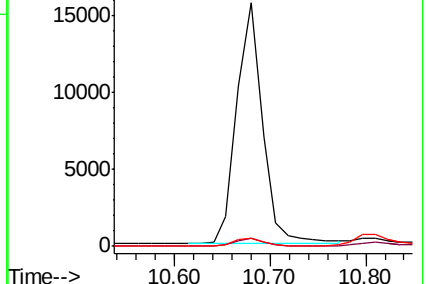
127 3.5 2.8 4.2



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: 0.420 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

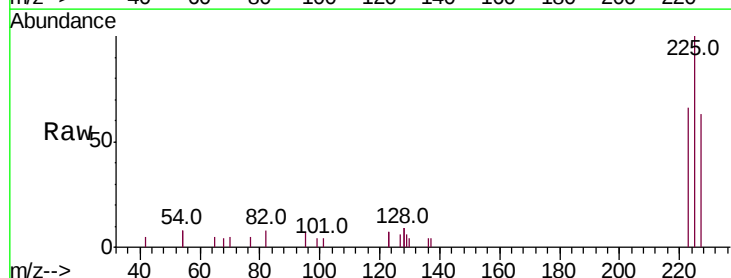
Tgt Ion:225 Resp: 2104

Ion Ratio Lower Upper

225 100

223 63.1 49.6 74.4

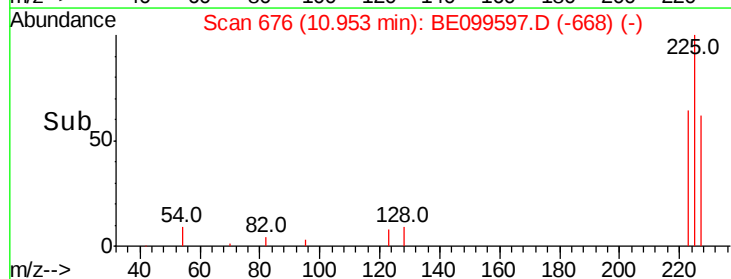
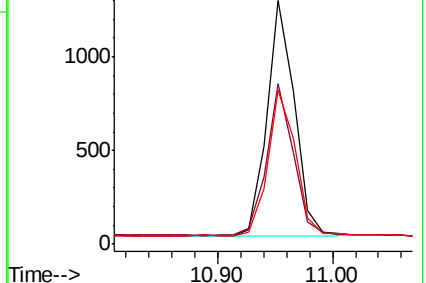
227 62.8 50.1 75.1

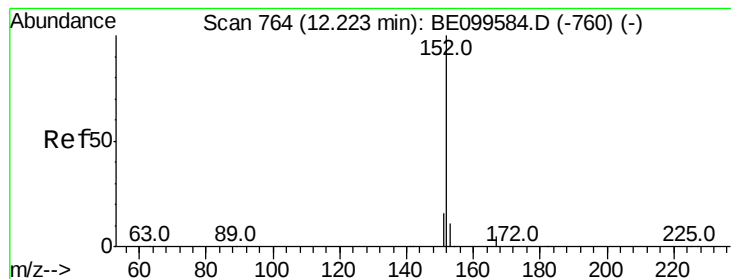


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

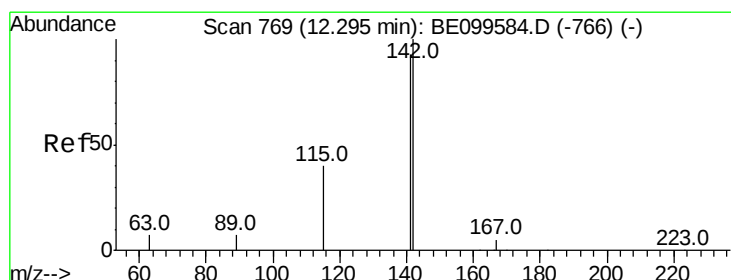
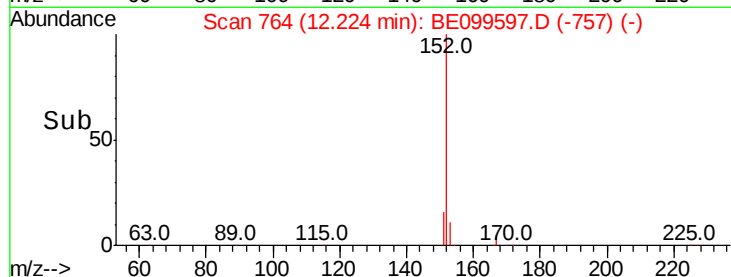
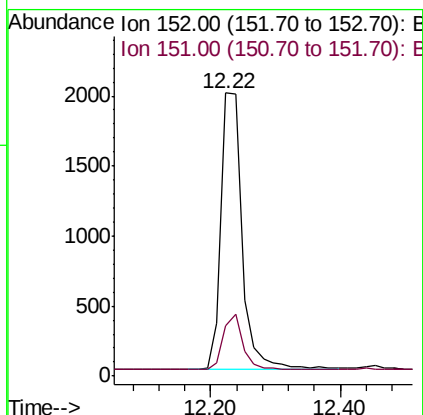
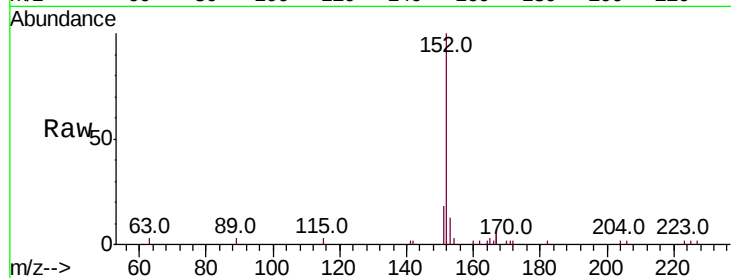




#11
 2-Methylnaphthalene-d10
 Concen: 0.412 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099597.D
 Acq: 10 May 2019 11:01

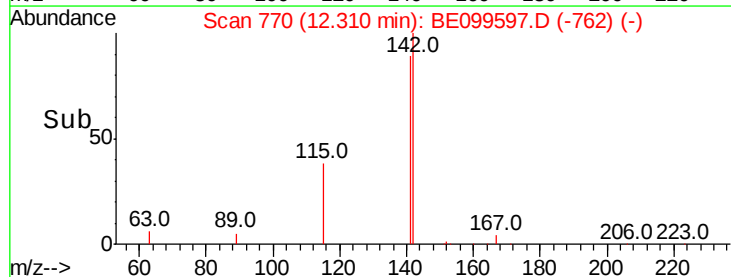
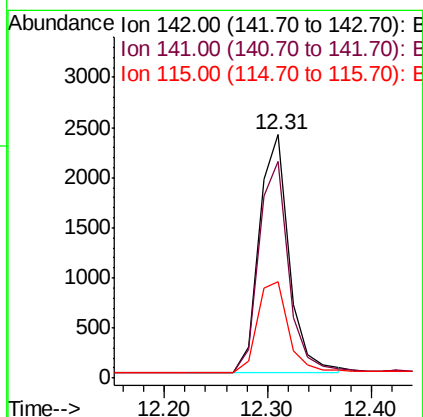
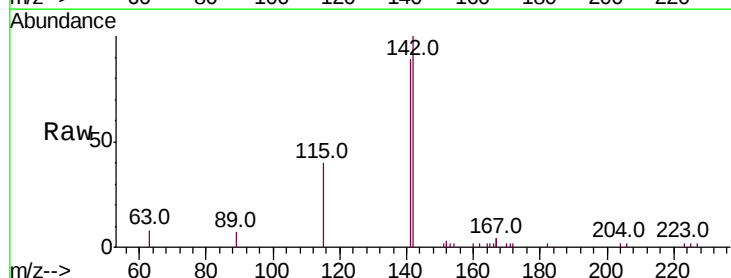
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

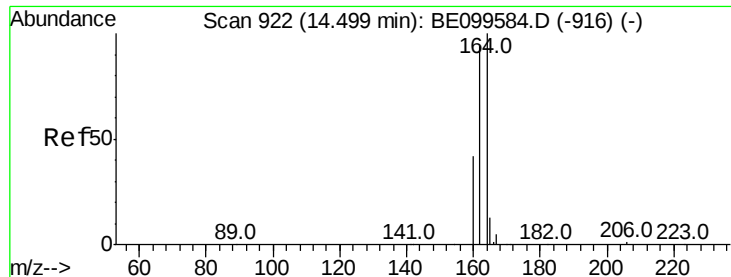
Tot Ion:152 Resp: 4492
 Ion Ratio Lower Upper
 152 100
 151 19.4 16.2 24.2



#12
 2-Methylnaphthalene
 Concen: 0.426 ng
 RT: 12.31 min Scan# 770
 Delta R.T. 0.02 min
 Lab File: BE099597.D
 Acq: 10 May 2019 11:01

Tgt Ion:142 Resp: 4822
 Ion Ratio Lower Upper
 142 100
 141 88.8 75.0 112.4
 115 39.6 33.7 50.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

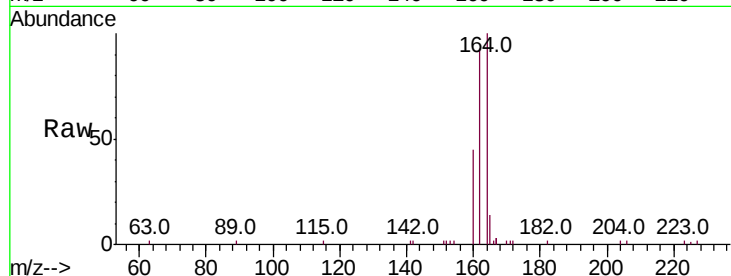
Tot Ion:164 Resp: 4586

Ion Ratio Lower Upper

164 100

162 93.5 75.3 112.9

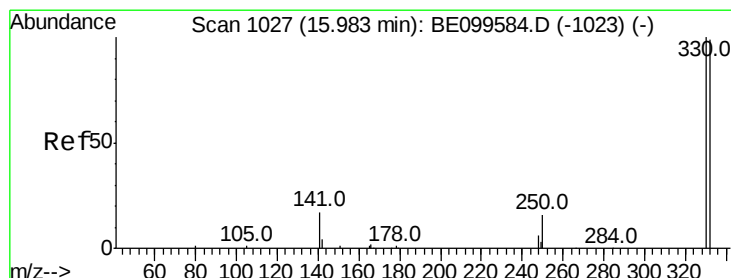
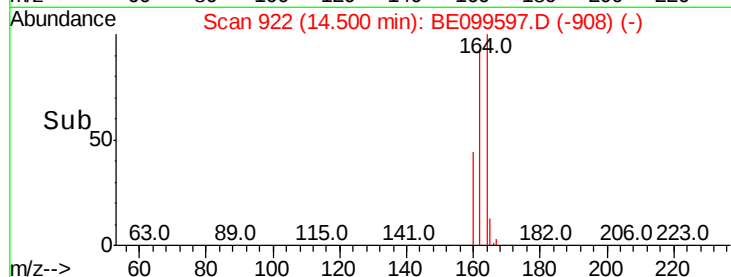
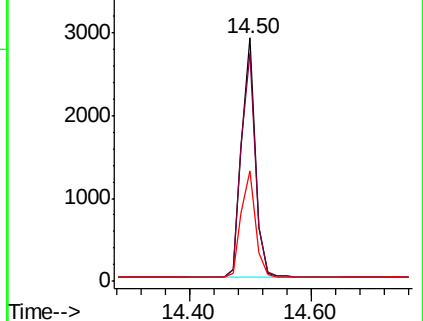
160 45.3 34.7 52.1



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: 0.408 ng

RT: 15.98 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

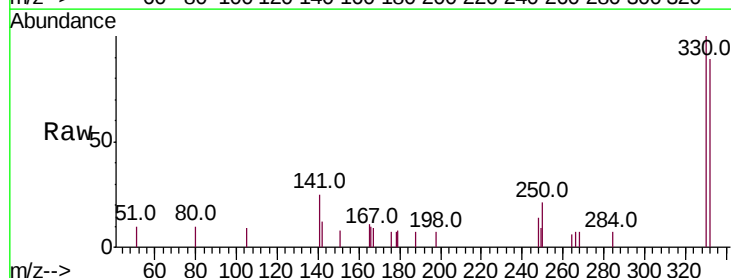
Tgt Ion:330 Resp: 1111

Ion Ratio Lower Upper

330 100

332 93.1 78.7 118.1

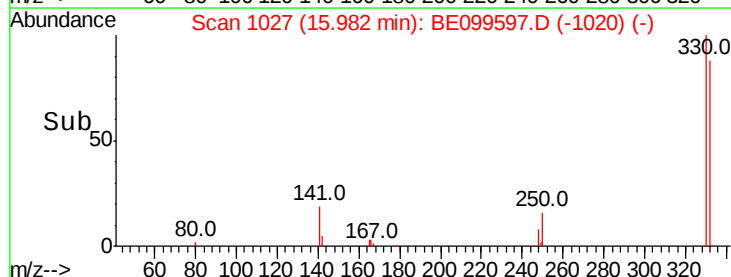
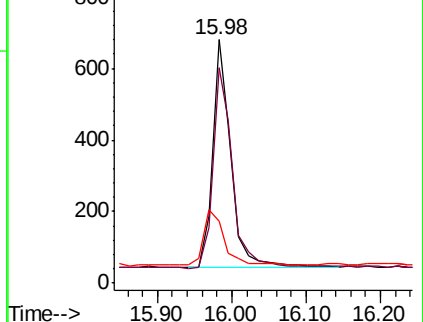
141 27.1 22.3 33.5

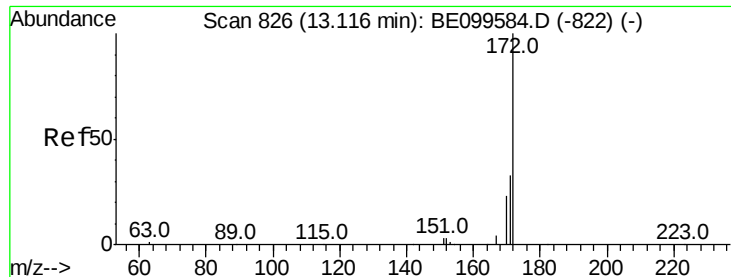


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

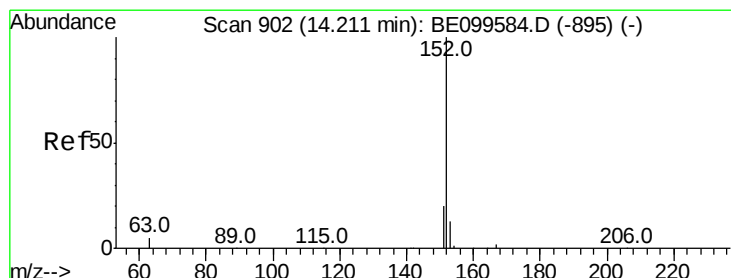
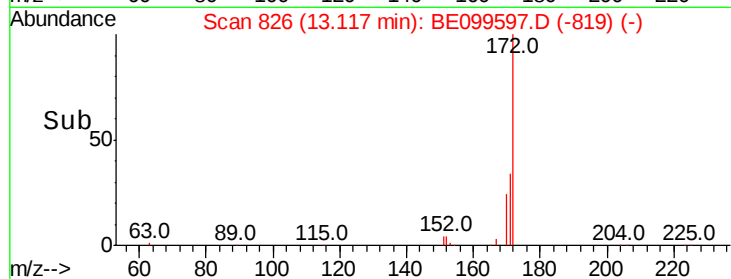
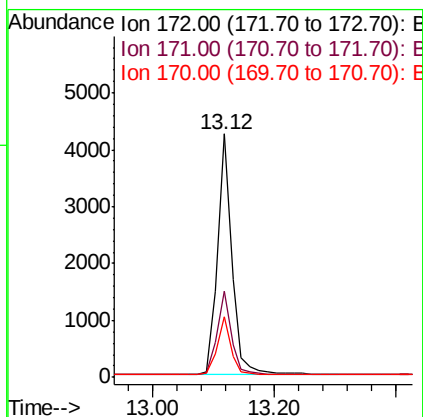
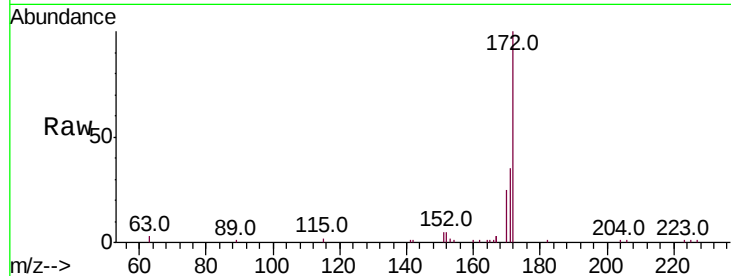




#15
2-Fluorobiphenyl
Concen: 0.396 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099597.D
Acq: 10 May 2019 11:01

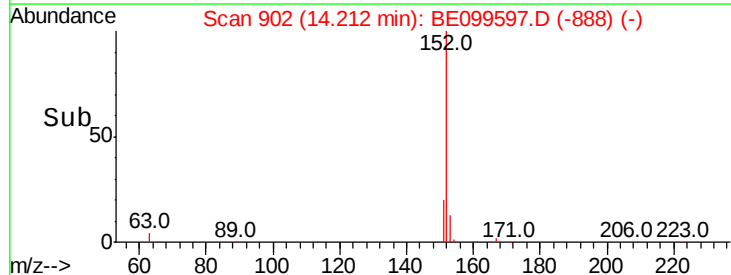
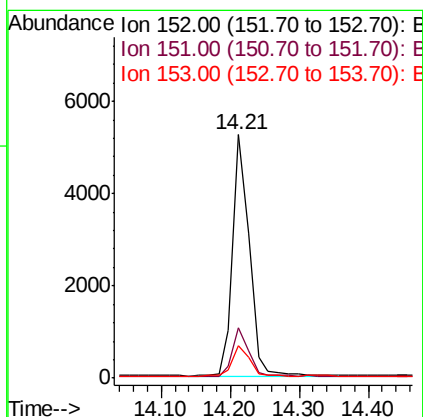
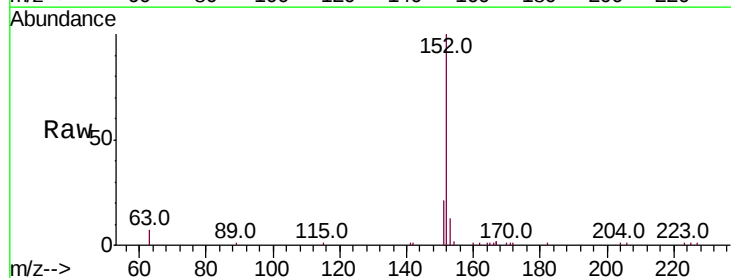
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

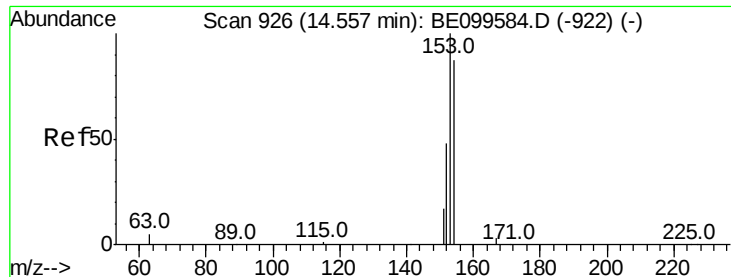
Tot Ion:172 Resp: 7036
Ion Ratio Lower Upper
172 100
171 35.3 27.5 41.3
170 24.8 19.1 28.7



#16
Acenaphthylene
Concen: 0.394 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099597.D
Acq: 10 May 2019 11:01

Tgt Ion:152 Resp: 8745
Ion Ratio Lower Upper
152 100
151 19.1 15.5 23.3
153 12.9 10.2 15.4

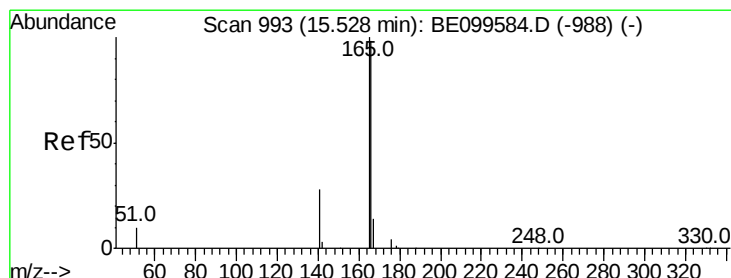
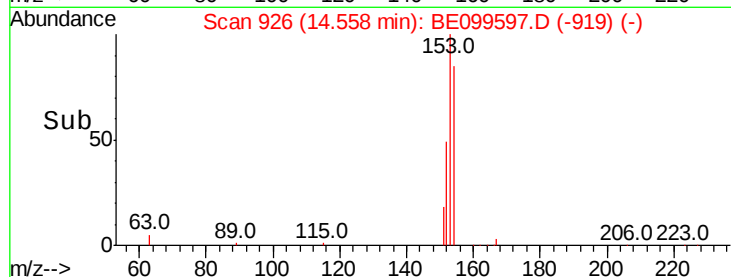
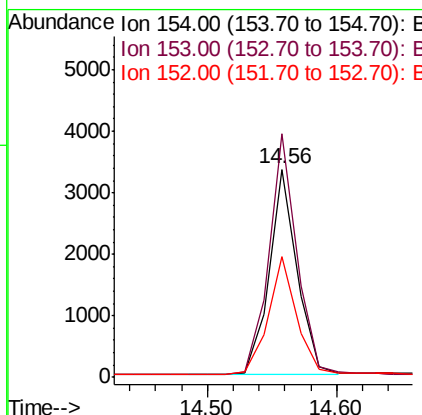
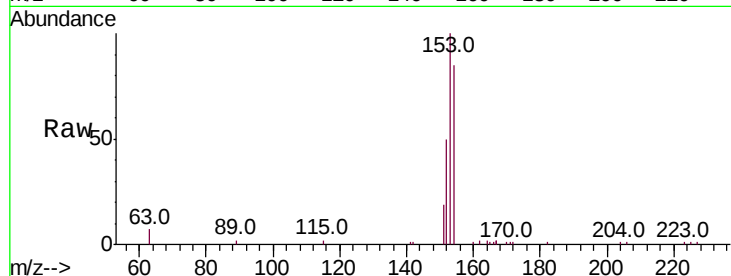




#17
Acenaphthene
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.00 min
Lab File: BE099597.D
Acq: 10 May 2019 11:01

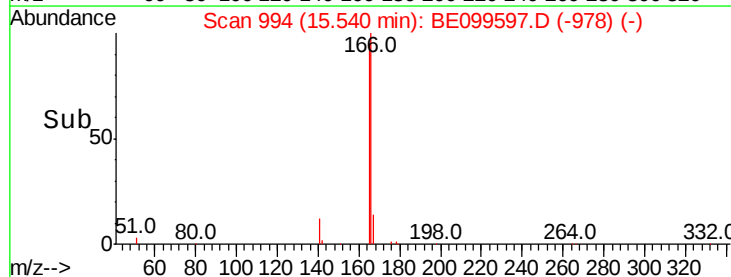
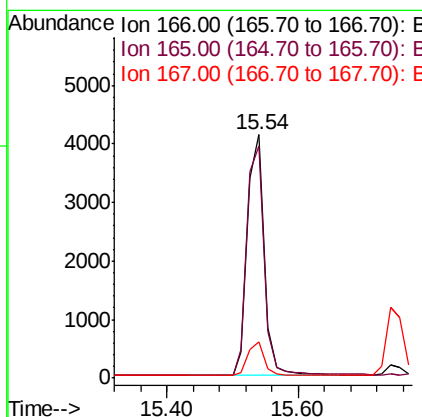
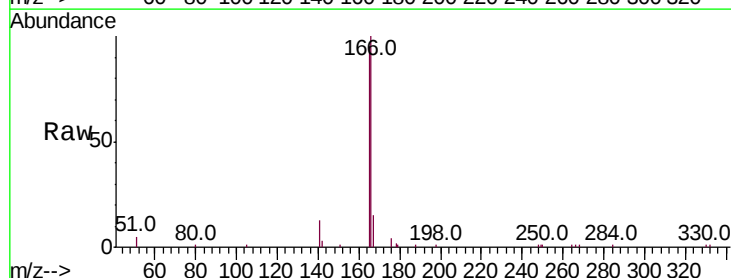
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

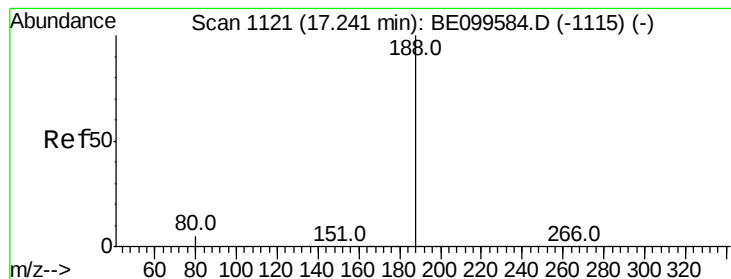
Tot Ion:154 Resp: 4958
Ion Ratio Lower Upper
154 100
153 117.6 92.9 139.3
152 57.5 46.3 69.5



#18
Fluorene
Concen: 0.411 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.01 min
Lab File: BE099597.D
Acq: 10 May 2019 11:01

Tgt Ion:166 Resp: 7275
Ion Ratio Lower Upper
166 100
165 98.9 80.5 120.7
167 13.2 11.6 17.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

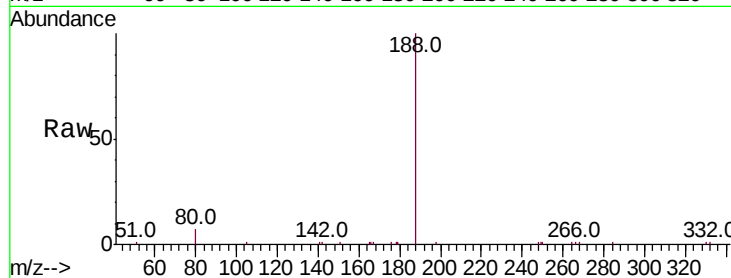
Tot Ion:188 Resp: 12883

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

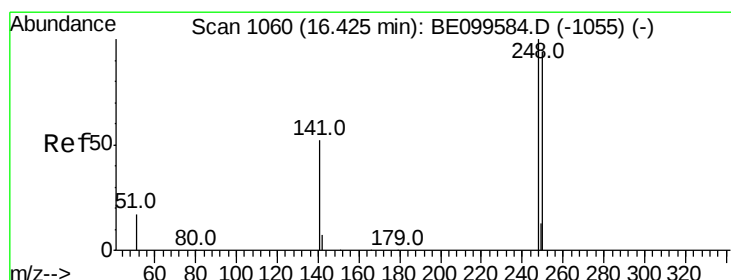
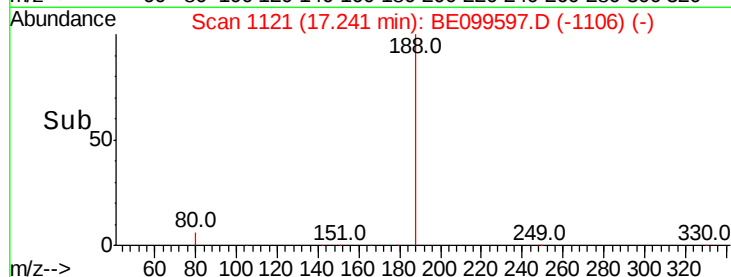
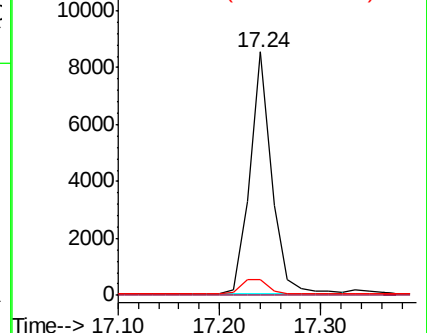
80 6.7 4.4 6.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.406 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

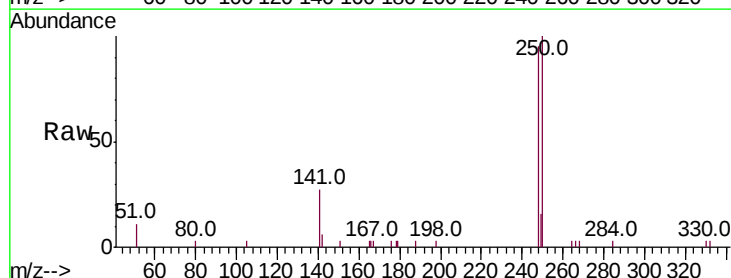
Tgt Ion:248 Resp: 2987

Ion Ratio Lower Upper

248 100

250 105.4 75.7 113.5

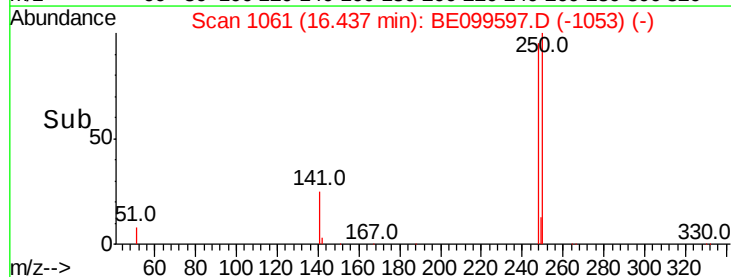
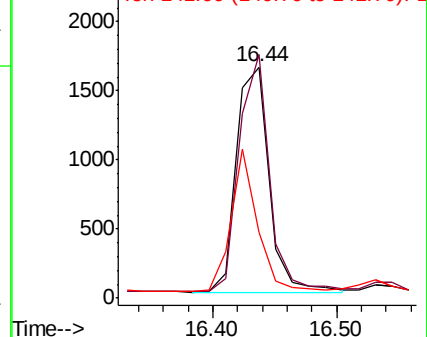
141 28.7 42.9 64.3#

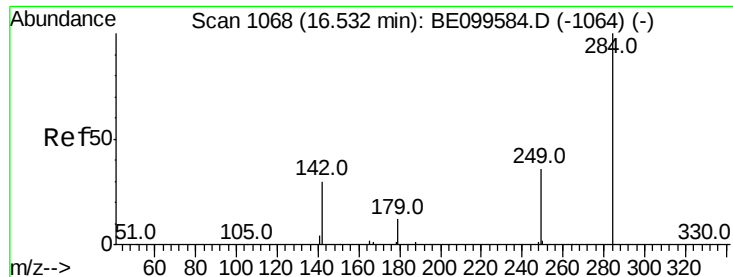


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.412 ng

RT: 16.54 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

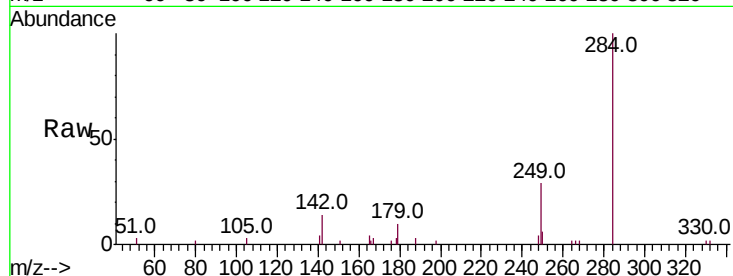
Tot Ion:284 Resp: 3038

Ion Ratio Lower Upper

284 100

142 26.6 20.6 30.8

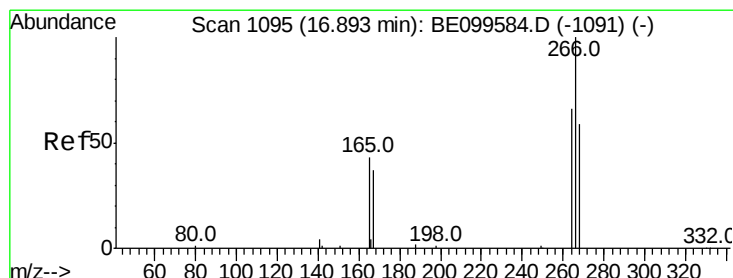
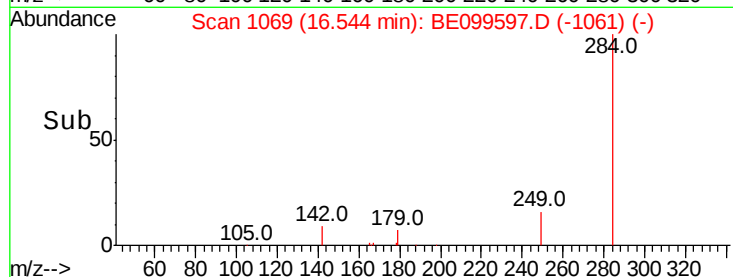
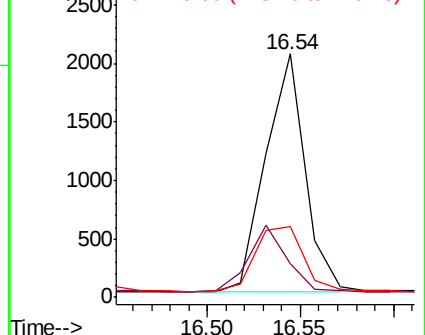
249 32.9 25.8 38.6



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: 0.488 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

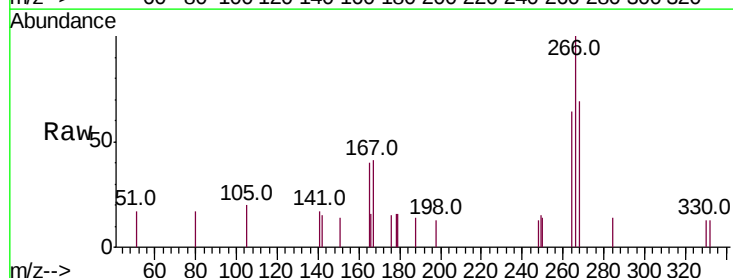
Tgt Ion:266 Resp: 985

Ion Ratio Lower Upper

266 100

264 63.7 57.3 85.9

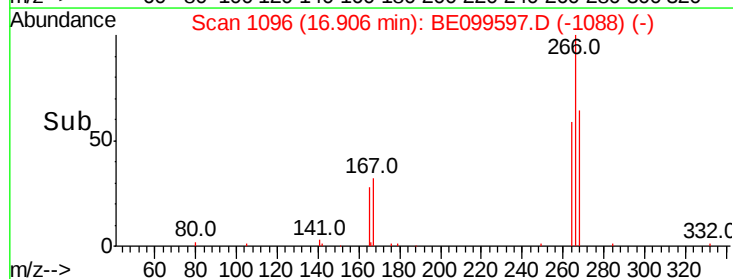
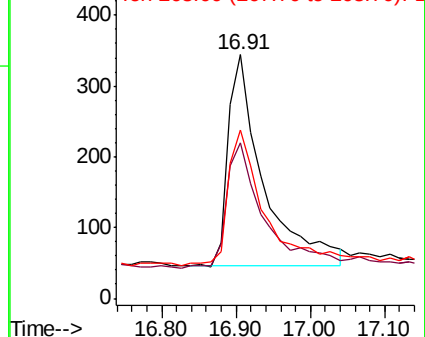
268 69.2 53.5 80.3

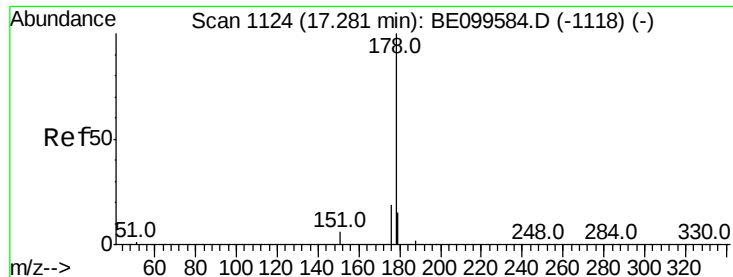


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.427 ng

RT: 17.28 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

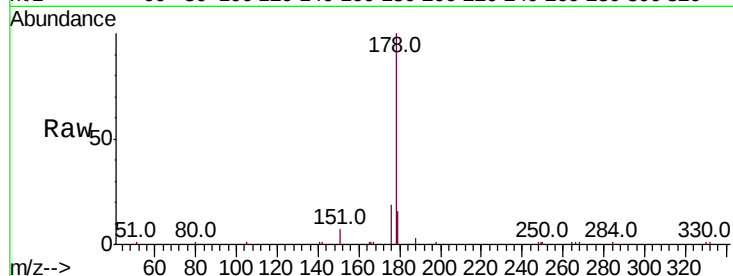
Tot Ion:178 Resp: 13669

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

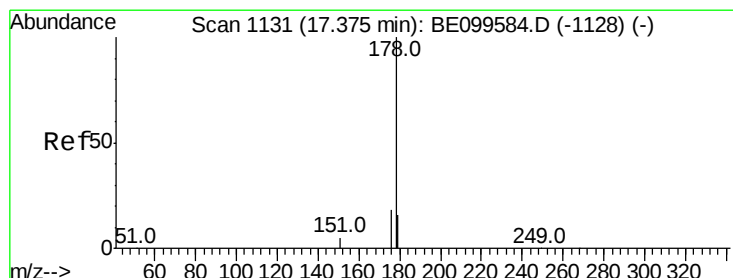
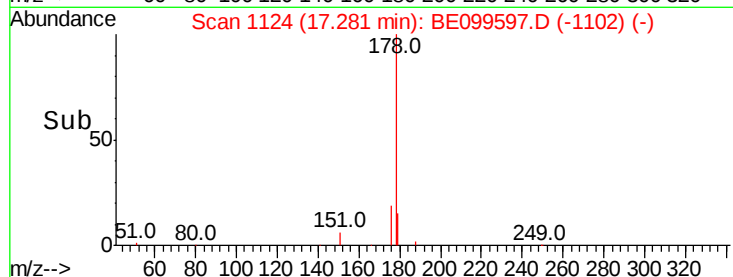
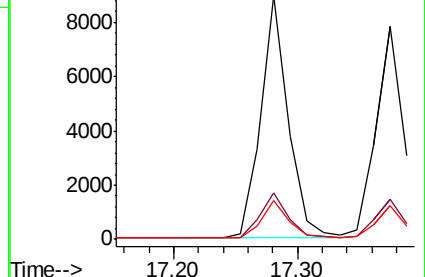
179 15.3 12.2 18.2



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: 0.406 ng

RT: 17.37 min Scan# 1131

Delta R.T. -0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

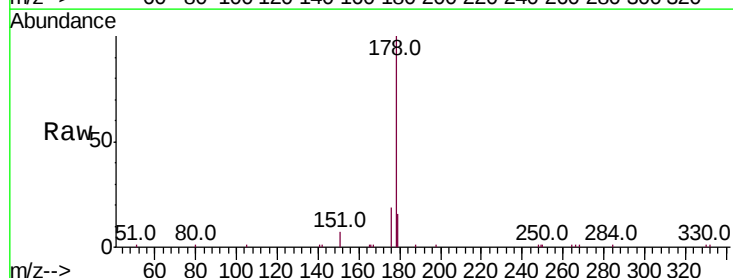
Tgt Ion:178 Resp: 12200

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

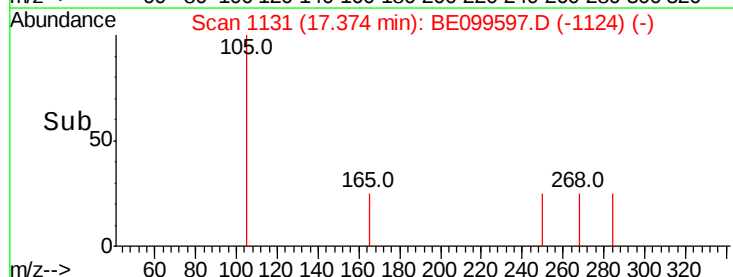
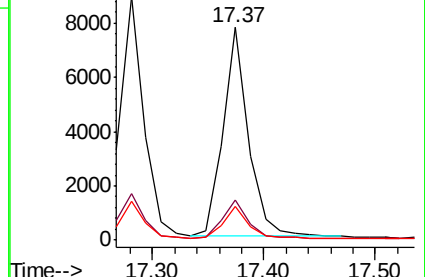
179 14.9 12.3 18.5

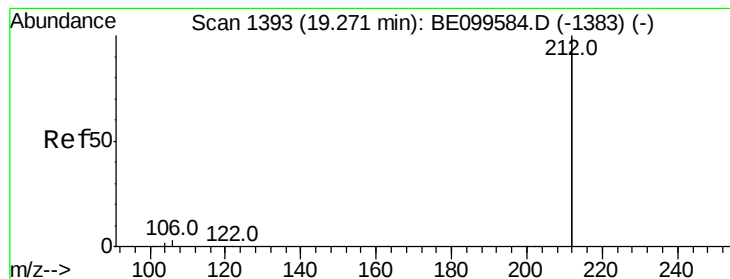


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.420 ng

RT: 19.28 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

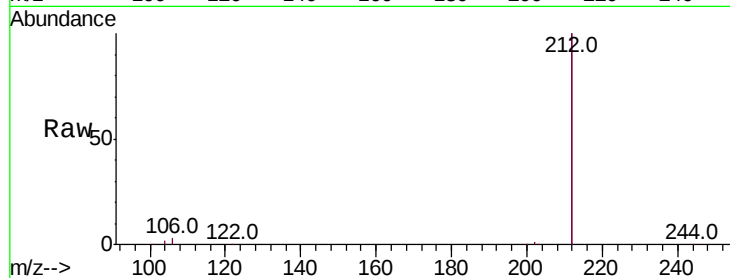
Tot Ion:212 Resp: 71243

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

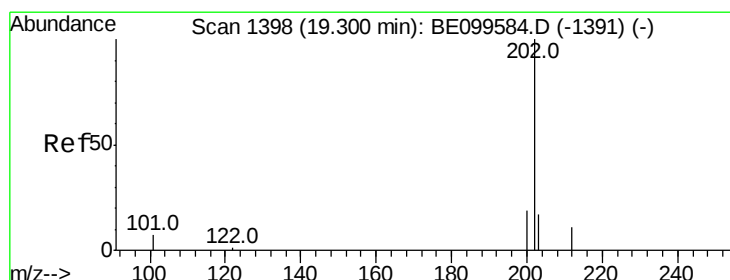
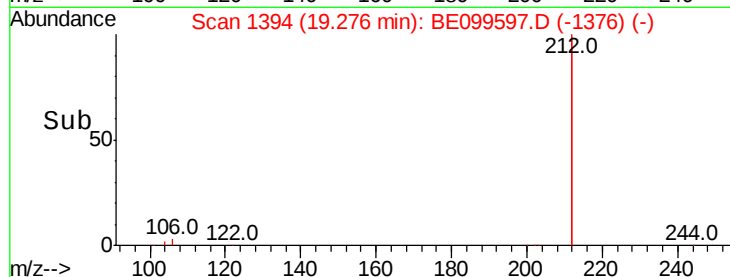
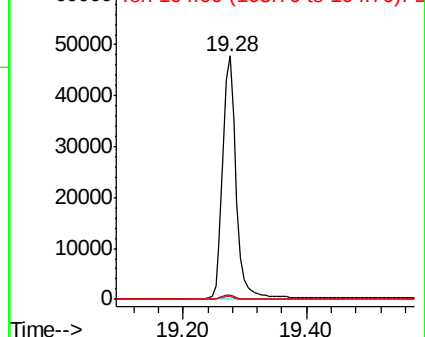
104 1.0 0.9 1.3



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: 0.437 ng

RT: 19.30 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

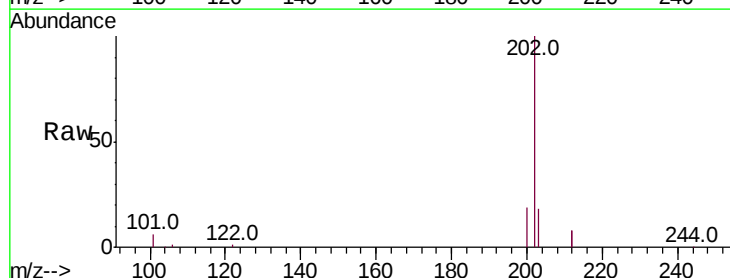
Tgt Ion:202 Resp: 21048

Ion Ratio Lower Upper

202 100

101 6.9 5.4 8.2

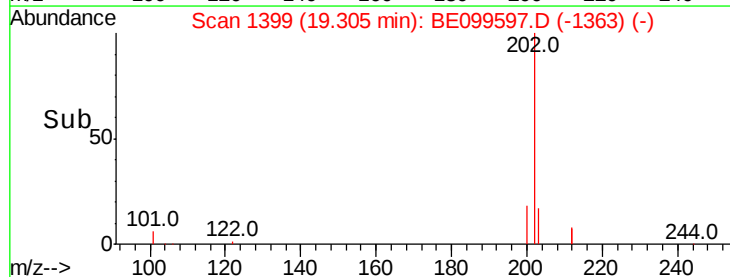
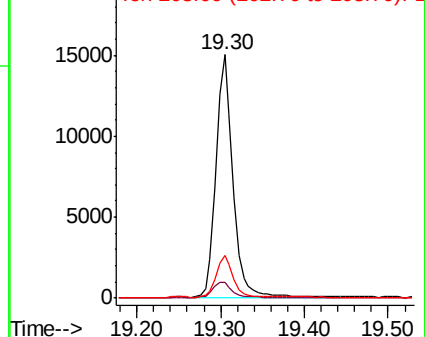
203 16.9 13.7 20.5

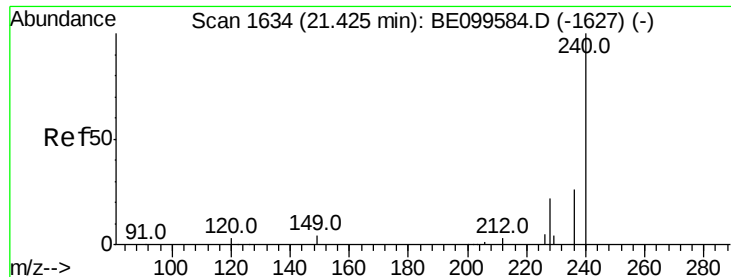


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

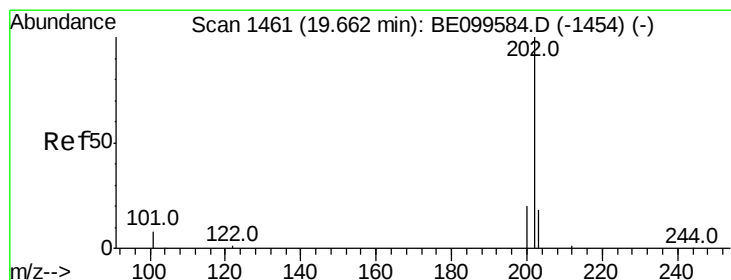
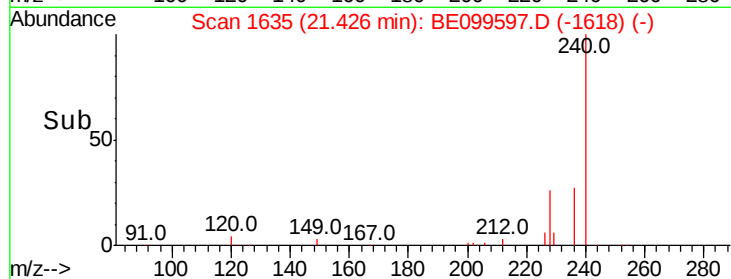
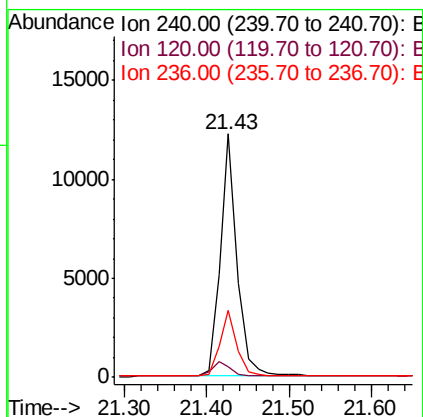
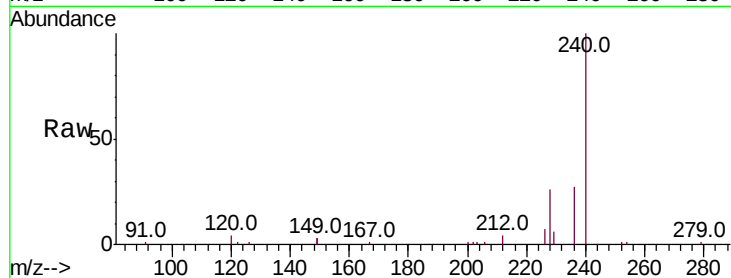




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: BE099597.D
 Acq: 10 May 2019 11:01

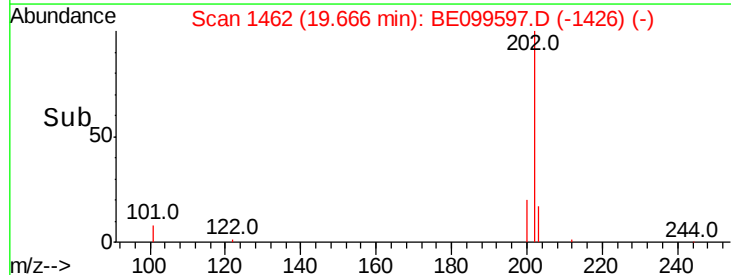
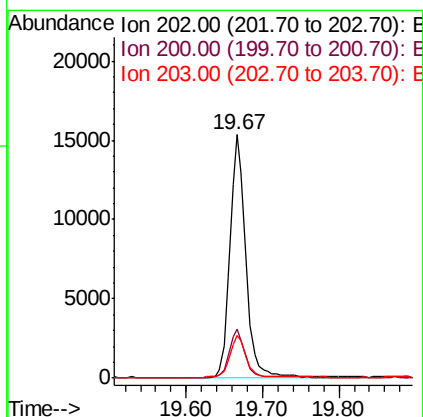
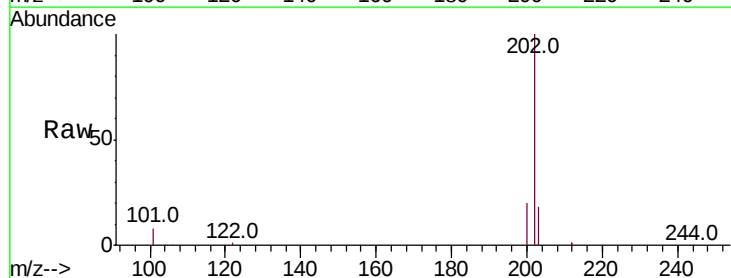
Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4

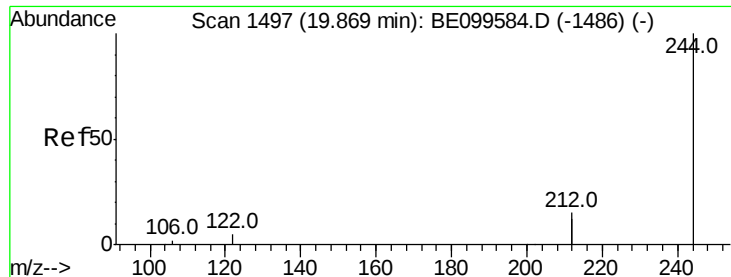
Tot Ion:240 Resp: 17533
 Ion Ratio Lower Upper
 240 100
 120 4.2 3.2 4.8
 236 27.3 21.0 31.6



#28
 Pyrene
 Concen: 0.478 ng
 RT: 19.67 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: BE099597.D
 Acq: 10 May 2019 11:01

Tgt Ion:202 Resp: 22093
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.9 23.9
 203 17.5 14.1 21.1





#29

Terphenyl-d14

Concen: 0.478 ng

RT: 19.87 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

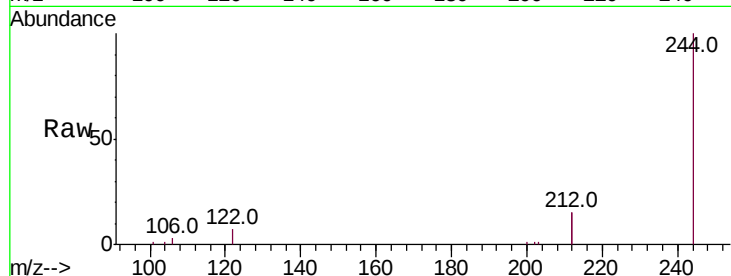
Tot Ion:244 Resp: 14885

Ion Ratio Lower Upper

244 100

212 30.8 24.4 36.6

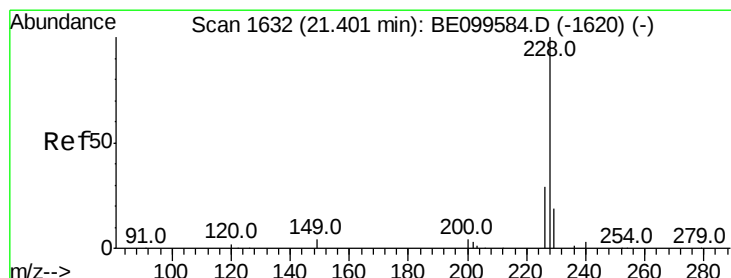
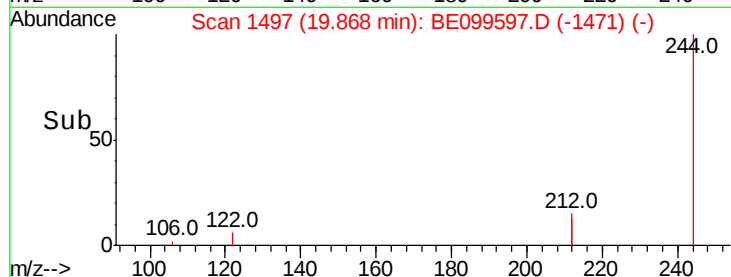
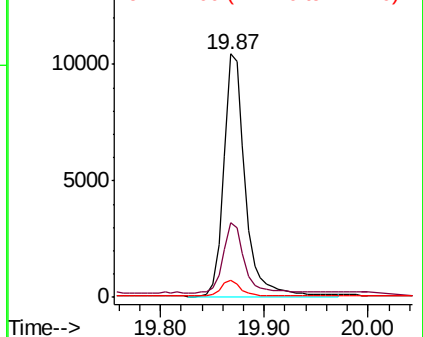
122 6.8 4.6 6.8#



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: 0.461 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

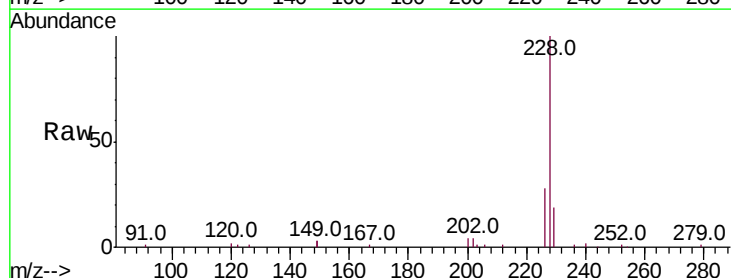
Tgt Ion:228 Resp: 24696

Ion Ratio Lower Upper

228 100

226 28.1 23.3 34.9

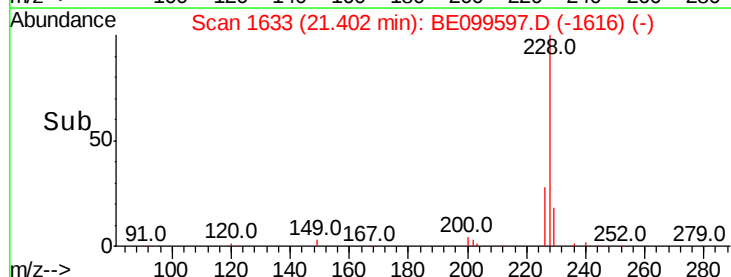
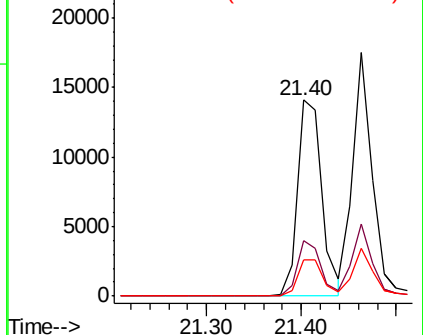
229 18.8 15.5 23.3

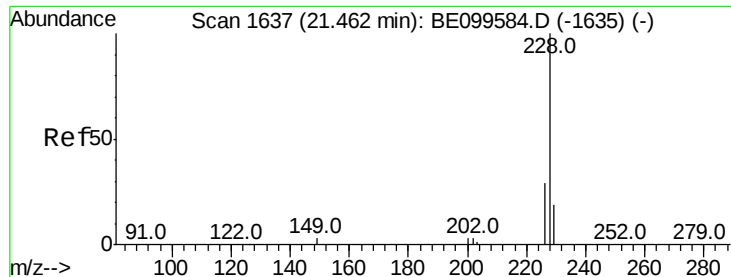


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.462 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

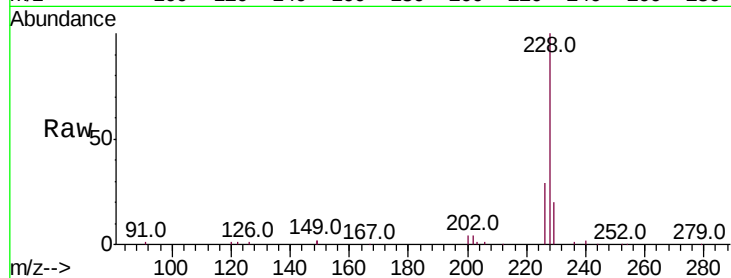
Tot Ion:228 Resp: 24747

Ion Ratio Lower Upper

228 100

226 29.4 23.2 34.8

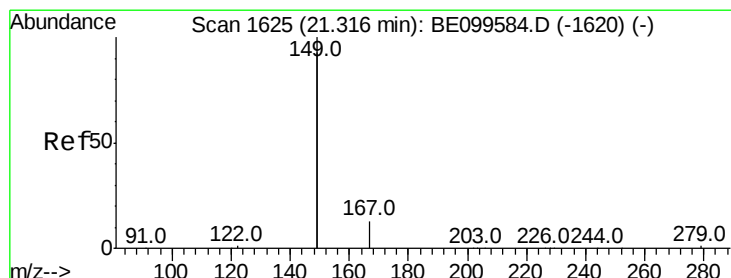
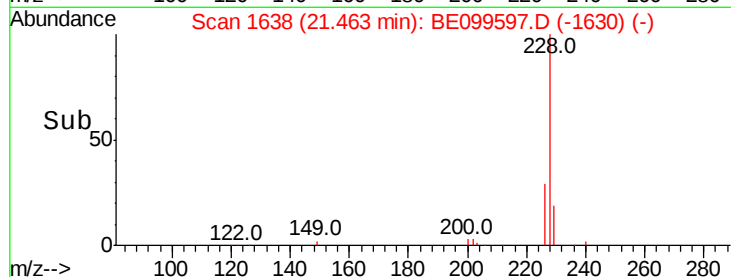
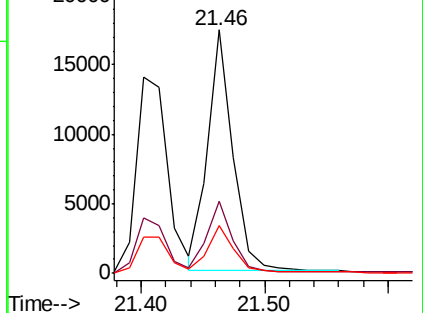
229 19.5 15.6 23.4



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: 0.470 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

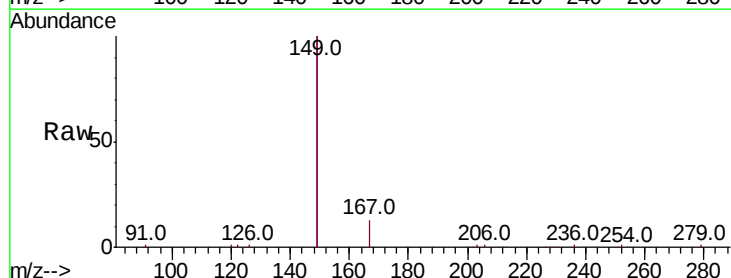
Tgt Ion:149 Resp: 36170

Ion Ratio Lower Upper

149 100

167 7.3 6.0 9.0

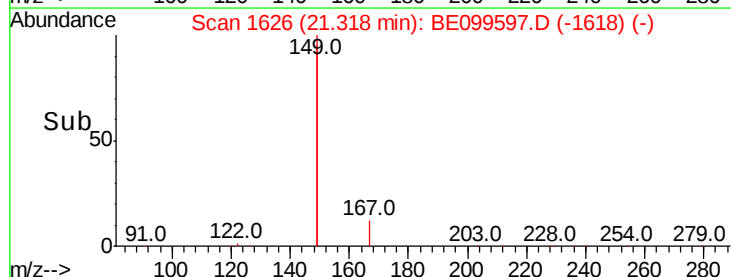
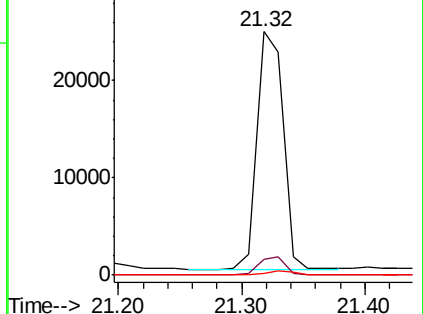
279 1.5 1.1 1.7

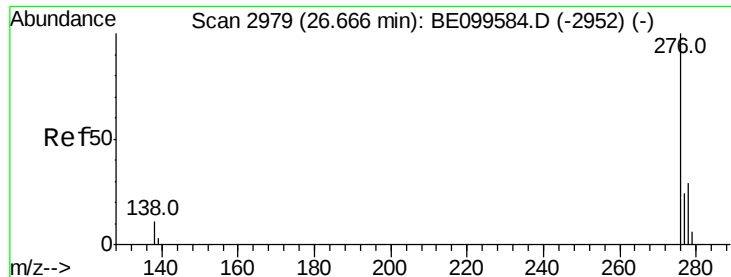


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.438 ng

RT: 26.67 min Scan# 2982

Delta R.T. 0.01 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

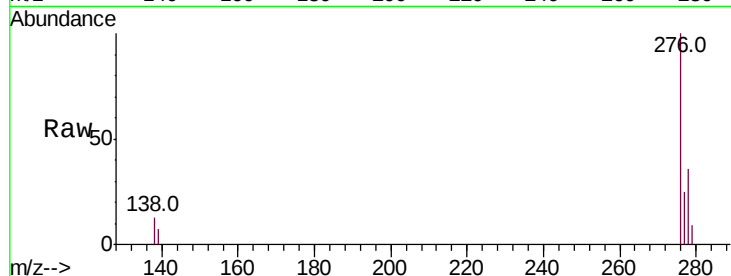
Tot Ion:276 Resp: 29229

Ion Ratio Lower Upper

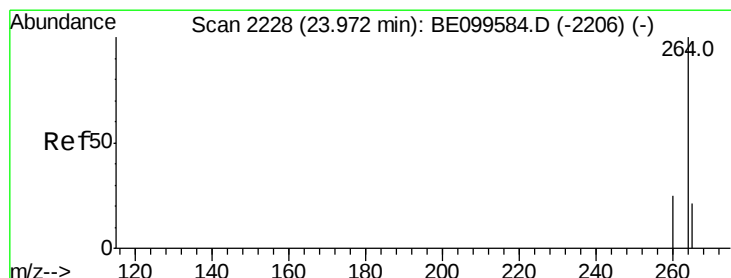
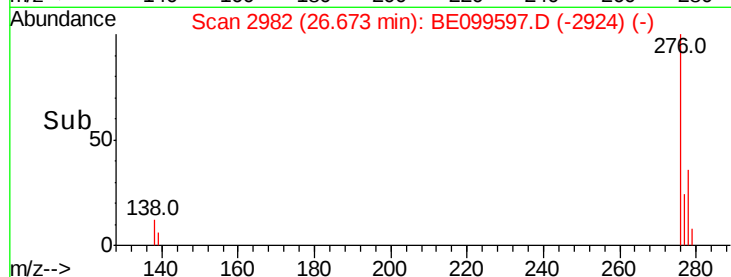
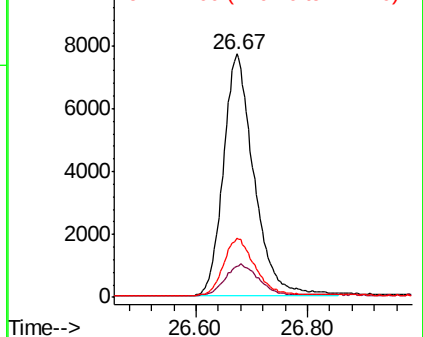
276 100

138 13.7 10.2 15.2

277 24.2 19.8 29.8



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# 2229

Delta R.T. 0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

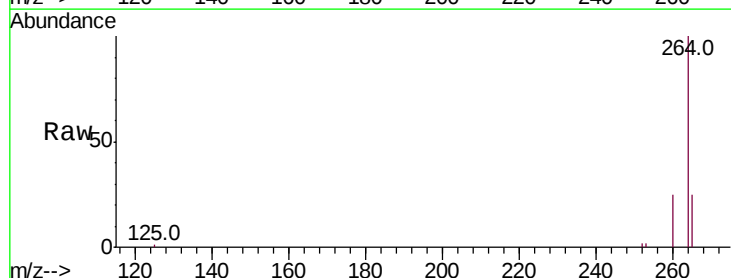
Tgt Ion:264 Resp: 20673

Ion Ratio Lower Upper

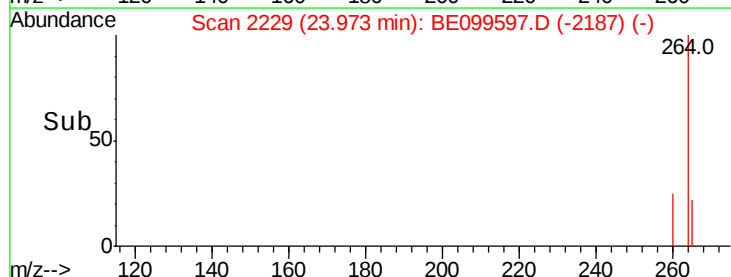
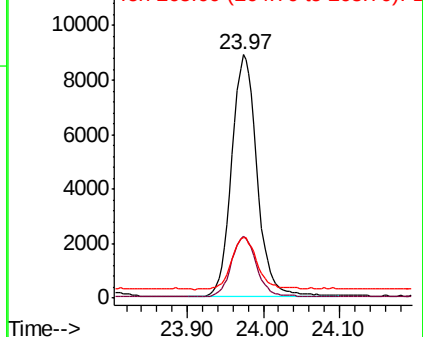
264 100

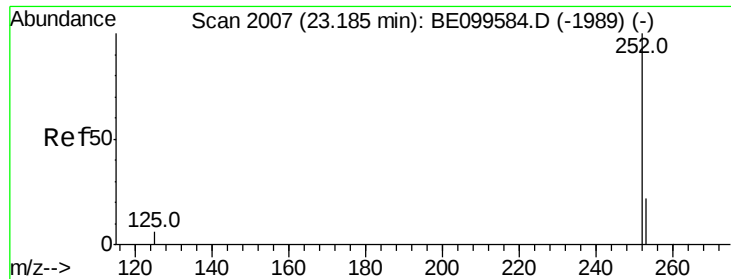
260 25.3 20.3 30.5

265 25.0 20.9 31.3



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

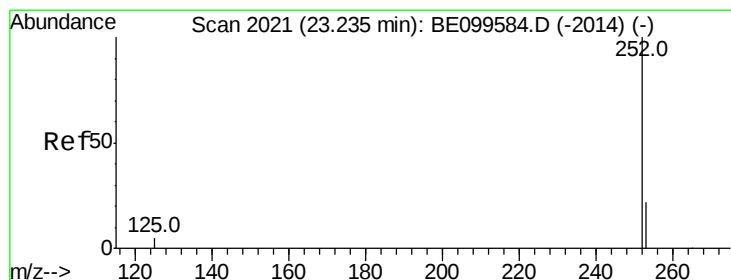
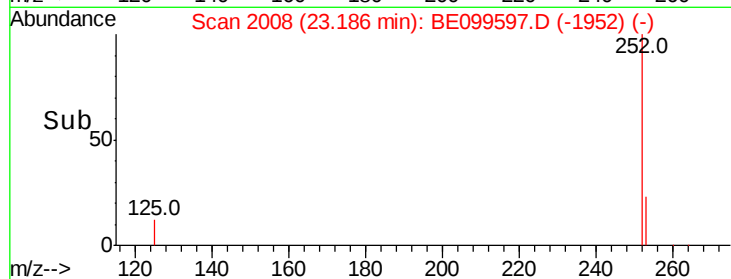
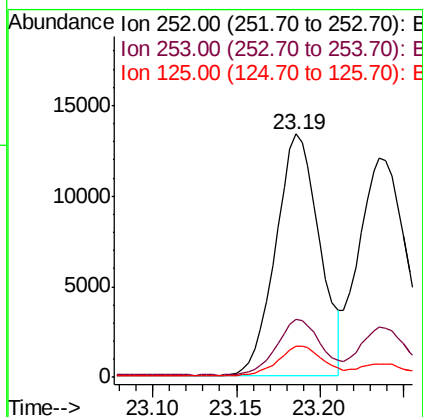
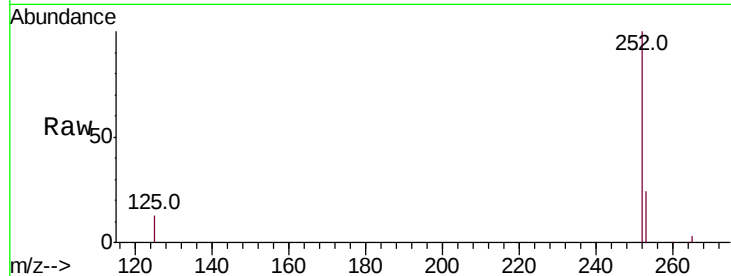




#35
Benzo(b)fluoranthene
Concen: 0.427 ng
RT: 23.19 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BE099597.D
Acq: 10 May 2019 11:01

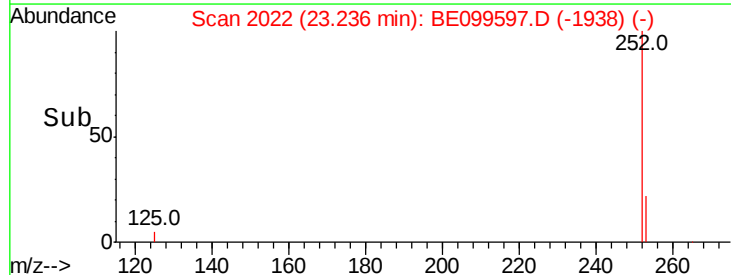
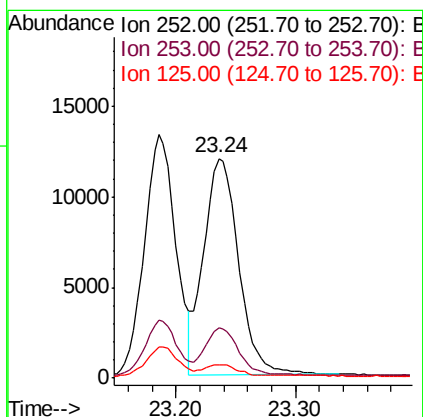
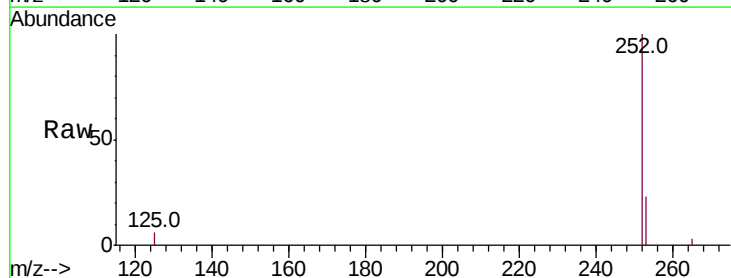
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

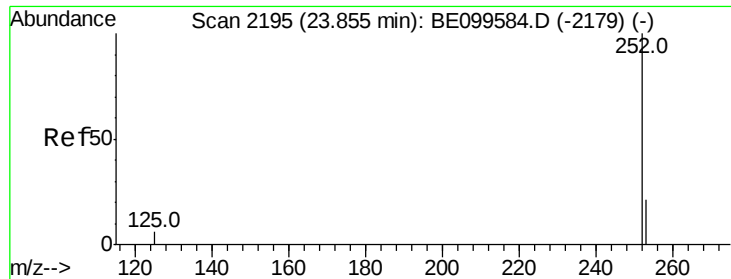
Tot Ion:252 Resp: 24405
Ion Ratio Lower Upper
252 100
253 23.7 18.6 28.0
125 12.7 6.0 9.0#



#36
Benzo(k)fluoranthene
Concen: 0.431 ng
RT: 23.24 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BE099597.D
Acq: 10 May 2019 11:01

Tgt Ion:252 Resp: 24457
Ion Ratio Lower Upper
252 100
253 22.8 18.7 28.1
125 5.8 5.1 7.7





#37

Benzo(a)pyrene

Concen: 0.427 ng

RT: 23.86 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

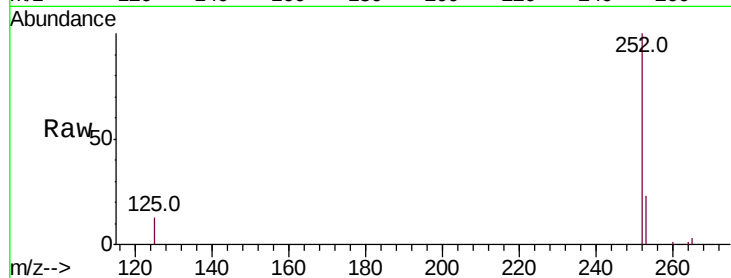
Tot Ion:252 Resp: 23605

Ion Ratio Lower Upper

252 100

253 23.4 18.6 27.8

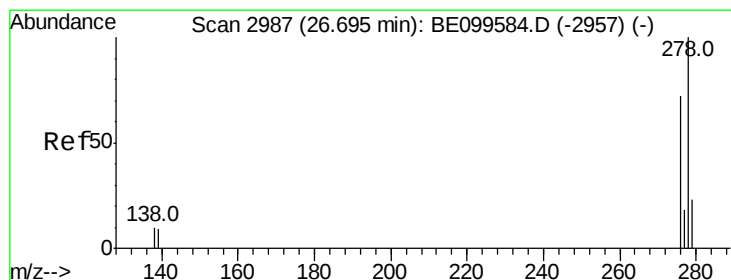
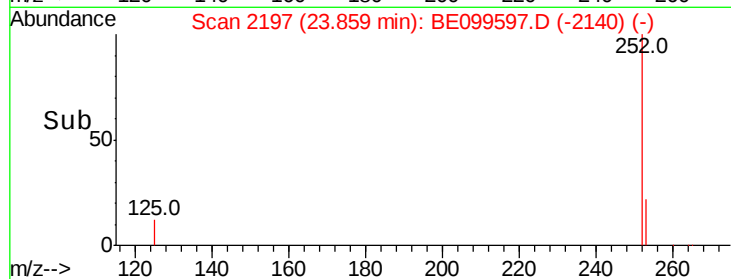
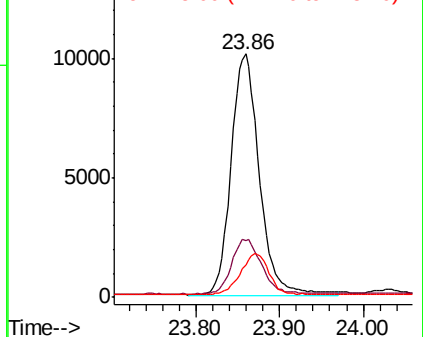
125 13.4 6.4 9.6#



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: 0.415 ng

RT: 26.70 min Scan# 2991

Delta R.T. 0.01 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

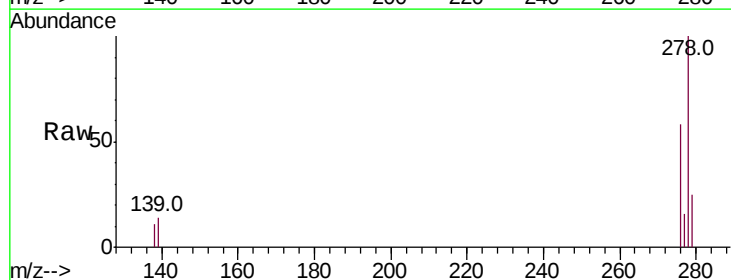
Tgt Ion:278 Resp: 24020

Ion Ratio Lower Upper

278 100

139 13.9 8.3 12.5#

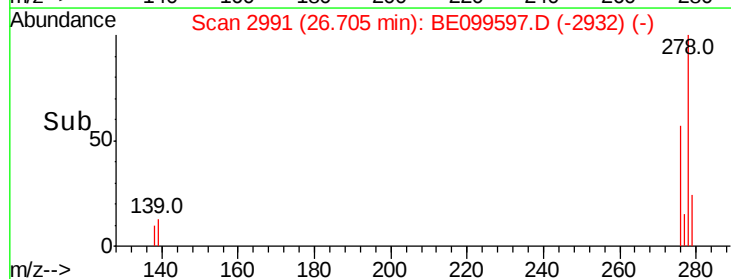
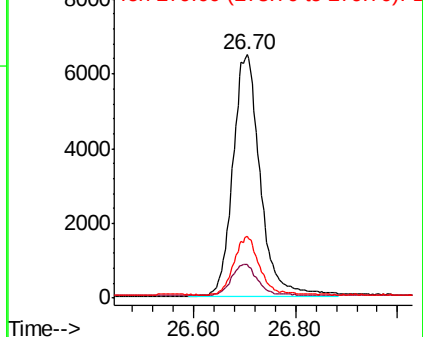
279 25.2 19.4 29.2

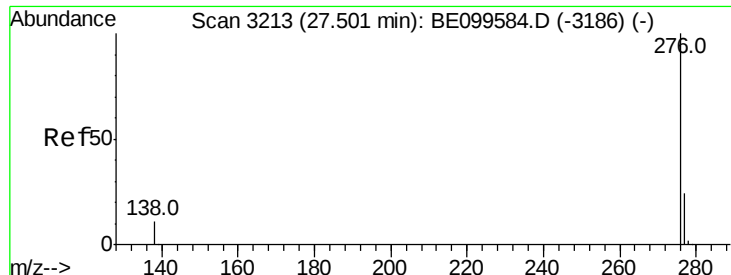


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.412 ng

RT: 27.51 min Scan# 3218

Delta R.T. 0.01 min

Lab File: BE099597.D

Acq: 10 May 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

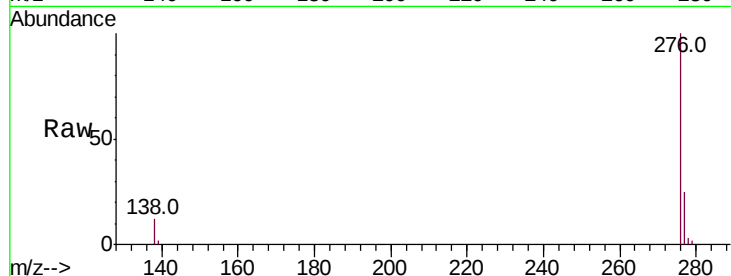
Tot Ion:276 Resp: 24114

Ion Ratio Lower Upper

276 100

277 24.6 19.8 29.6

138 11.6 9.4 14.2



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

