

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099078.D
 Acq On : 22 Mar 2019 12:41
 Operator : JU/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Quant Time: Mar 22 13:37:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 22 13:31:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3040	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	12008	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	8345	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	24447	0.40	ng	0.00
27) Chrysene-d12	21.39	240	32607	0.40	ng	0.00
34) Perylene-d12	23.90	264	32127	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	7226	0.80	ng	0.00
5) Phenol-d6	7.00	99	10330	0.80	ng	0.00
8) Nitrobenzene-d5	8.99	82	4079	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	17956	0.81	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1921	0.46	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	26921	0.78	ng	0.00
25) Fluoranthene-d10	19.24	212	273233	0.70	ng	0.00
29) Terphenyl-d14	19.84	244	55484	0.70	ng	0.00

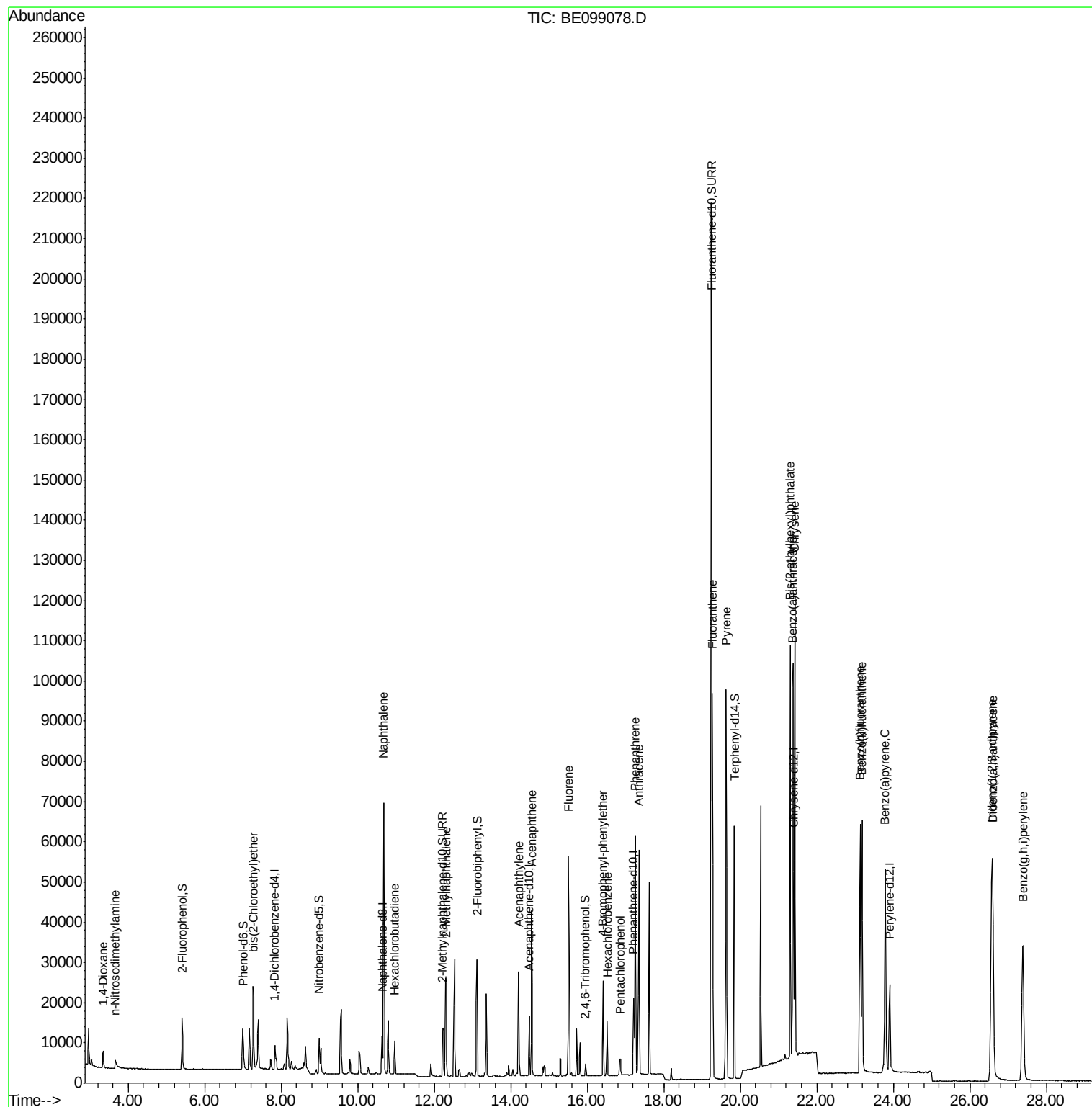
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	3484	0.581	ng	# 87
3) n-Nitrosodimethylamine	3.67	42	1635	0.214	ng	# 100
6) bis(2-Chloroethyl)ether	7.27	93	8795	0.888	ng	99
9) Naphthalene	10.68	128	116833	0.850	ng	99
10) Hexachlorobutadiene	10.97	225	5633	0.619	ng	98
12) 2-Methylnaphthalene	12.31	142	19978	0.896	ng	98
16) Acenaphthylene	14.21	152	35454	0.826	ng	100
17) Acenaphthene	14.54	154	21204	0.833	ng	97
18) Fluorene	15.51	166	31490	0.858	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	10932	0.825	ng	98
21) Hexachlorobenzene	16.52	284	10197	0.647	ng	99
22) Pentachlorophenol	16.87	266	2628	0.821	ng	93
23) Phenanthrene	17.25	178	60327	0.868	ng	99
24) Anthracene	17.35	178	56263	0.947	ng	100
26) Fluoranthene	19.27	202	86118	0.878	ng	99
28) Pyrene	19.63	202	88187	0.884	ng	100
30) Benzo(a)anthracene	21.37	228	92836	0.912	ng	99
31) Chrysene	21.43	228	93412	0.858	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	104717	0.484	ng	100
33) Indeno(1,2,3-cd)pyrene	26.57	276	99558	0.866	ng	100
35) Benzo(b)fluoranthene	23.13	252	90351	0.855	ng	99
36) Benzo(k)fluoranthene	23.18	252	87385	0.790	ng	98
37) Benzo(a)pyrene	23.79	252	83009	0.820	ng	97
38) Dibenzo(a,h)anthracene	26.60	278	81155	0.847	ng	99
39) Benzo(g,h,i)perylene	27.39	276	83177	0.830	ng	99

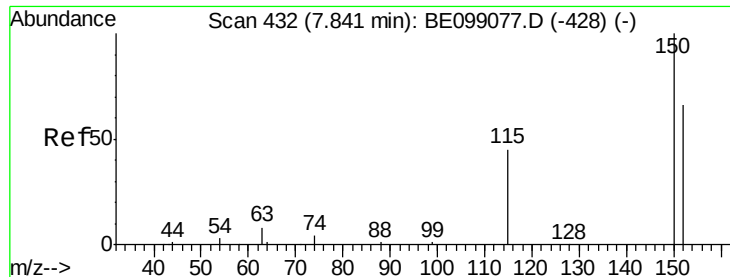
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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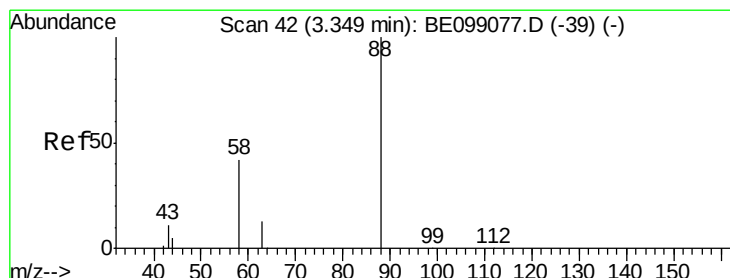
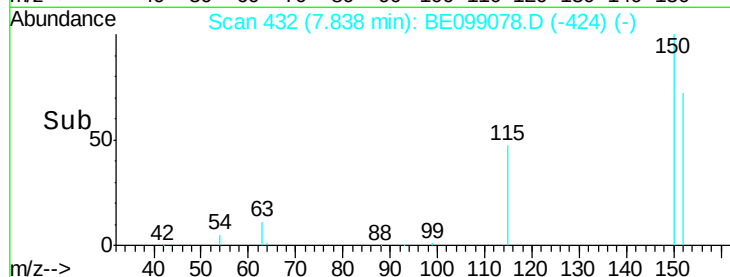
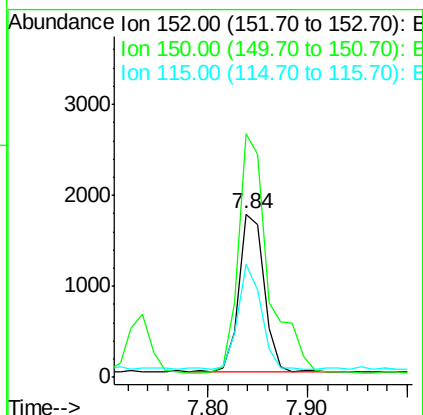
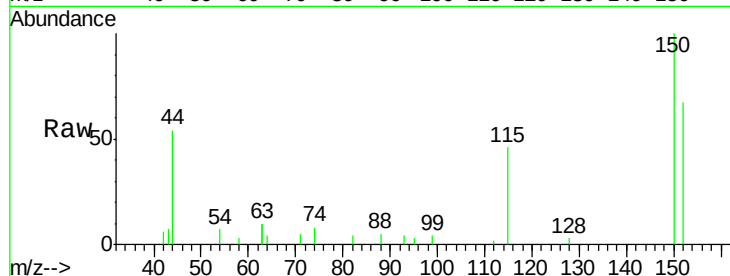


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099078.D
Acq: 22 Mar 2019 12:41

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

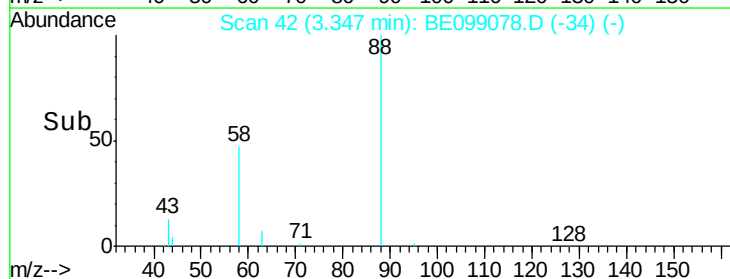
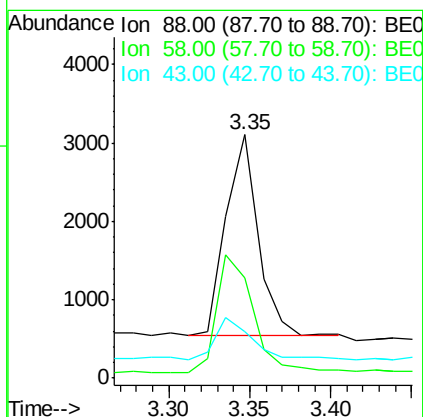
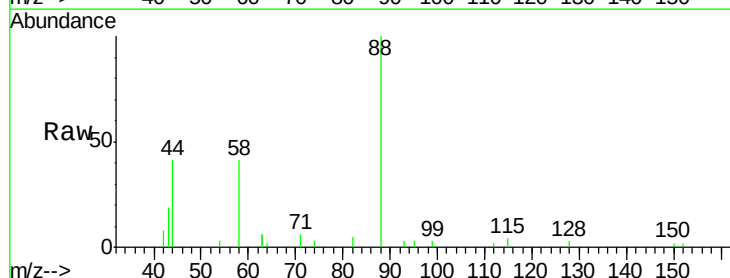
Tgt Ion:152 Resp: 3040
Ion Ratio Lower Upper
152 100
150 149.2 119.7 179.5
115 68.9 56.5 84.7

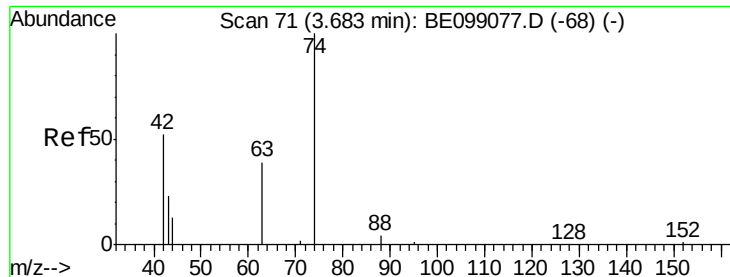


#2

1,4-Dioxane
Concen: 0.581 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE099078.D
Acq: 22 Mar 2019 12:41

Tgt Ion: 88 Resp: 3484
Ion Ratio Lower Upper
88 100
58 66.5 45.5 68.3
43 24.8 14.9 22.3#





#3

n-Nitrosodimethylamine

Concen: 0.214 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.01 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

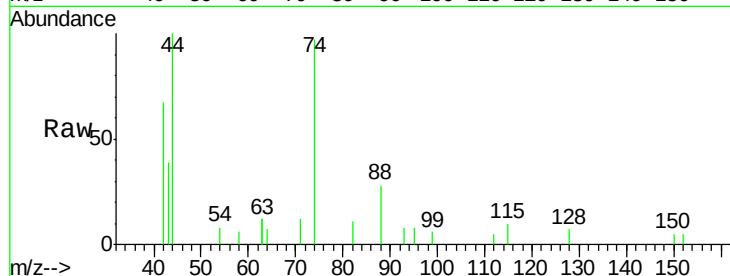
Tgt Ion: 42 Resp: 1635

Ion Ratio Lower Upper

42 100

74 189.6 0.0 0.0#

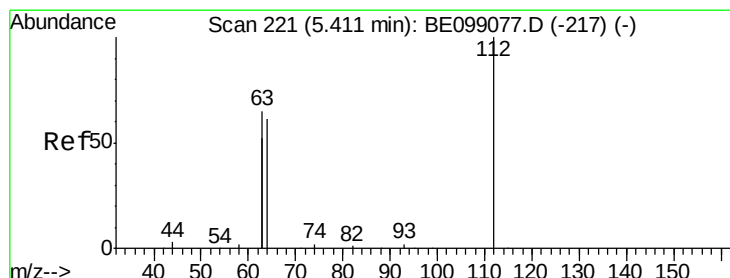
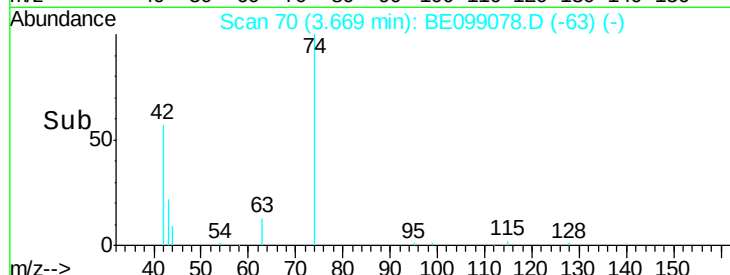
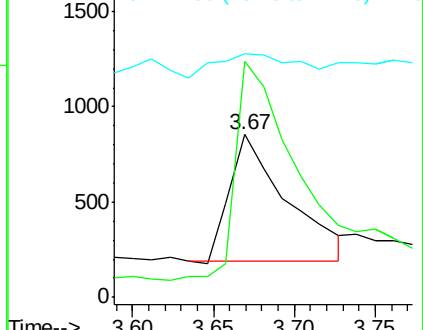
44 27.2 0.0 0.0#



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: 0.795 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

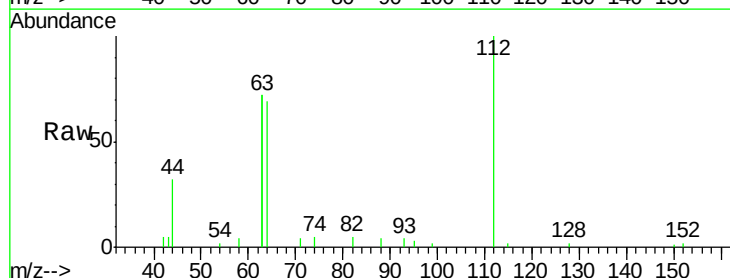
Tgt Ion: 112 Resp: 7226

Ion Ratio Lower Upper

112 100

64 58.0 44.8 67.2

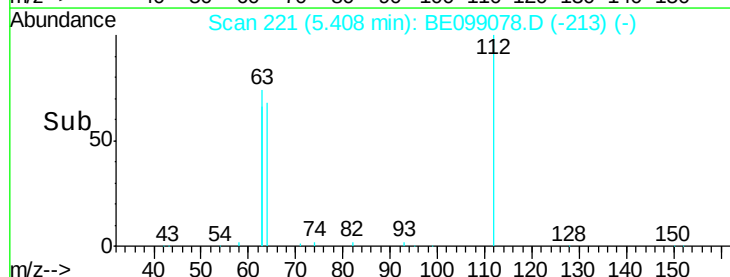
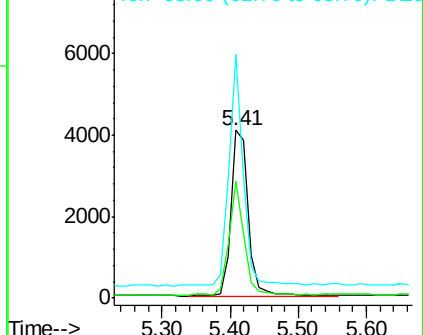
63 115.9 88.2 132.2

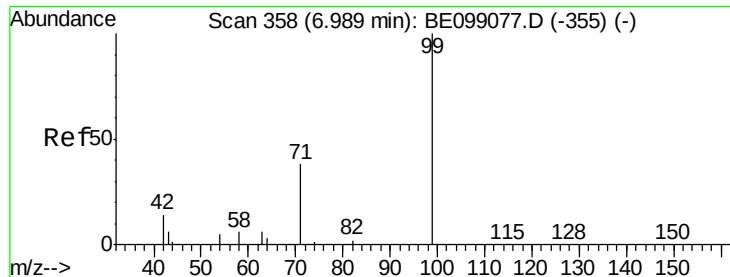


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.805 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

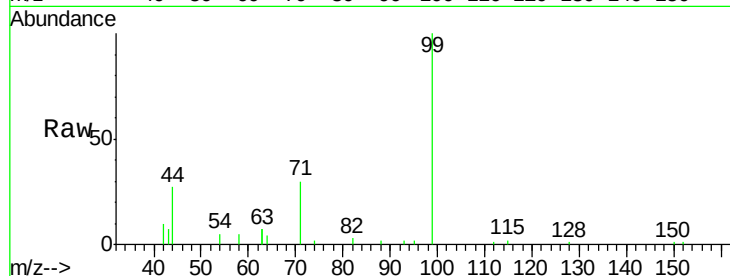
Tgt Ion: 99 Resp: 10330

Ion Ratio Lower Upper

99 100

42 14.2 11.8 17.8

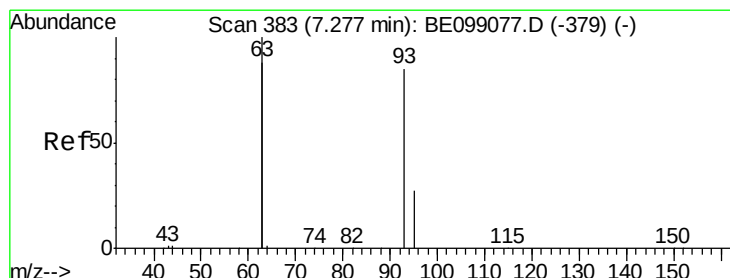
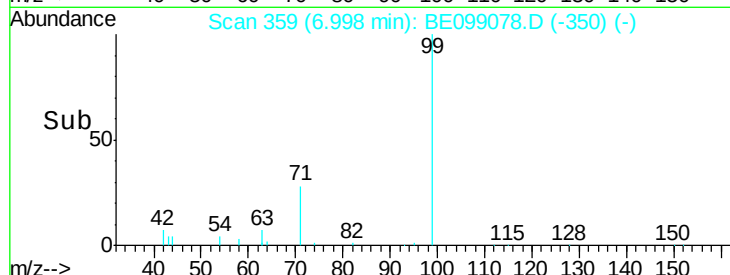
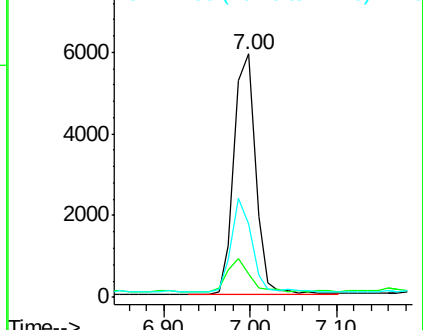
71 36.3 27.4 41.2



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: 0.888 ng

RT: 7.27 min Scan# 383

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

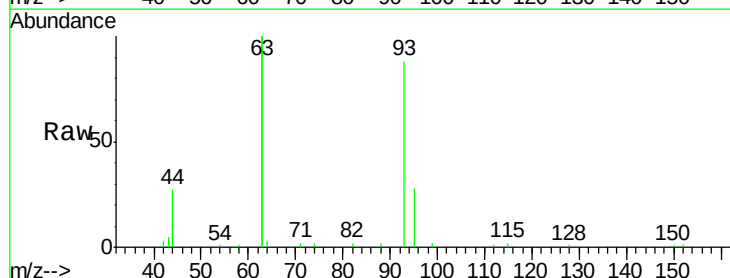
Tgt Ion: 93 Resp: 8795

Ion Ratio Lower Upper

93 100

63 286.4 230.3 345.5

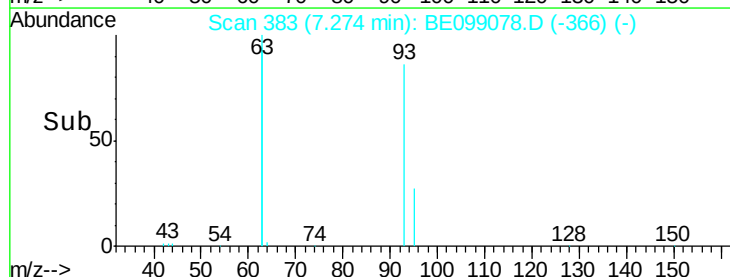
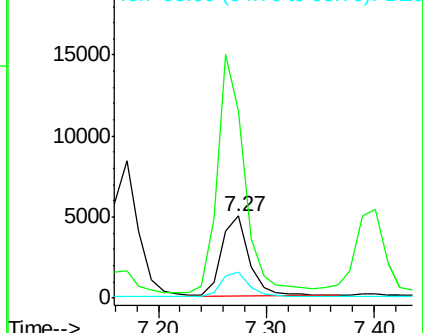
95 32.6 27.4 41.2

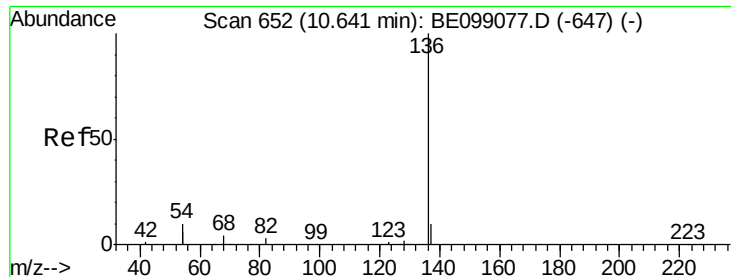


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

Tgt Ion:136 Resp: 12008

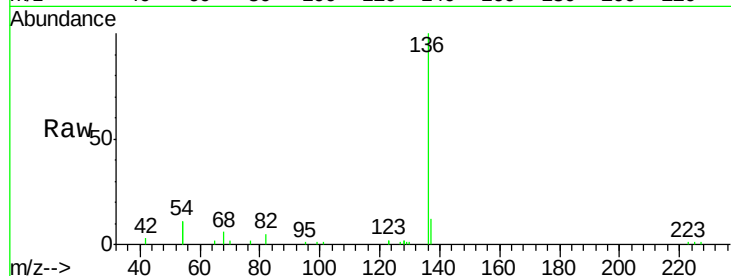
Ion Ratio Lower Upper

136 100

137 11.8 8.8 13.2

54 21.1 15.7 23.5

68 5.7 4.3 6.5

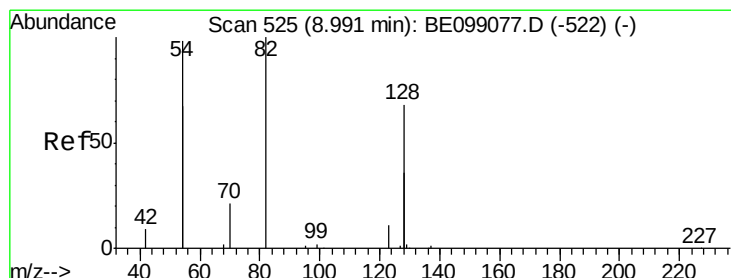
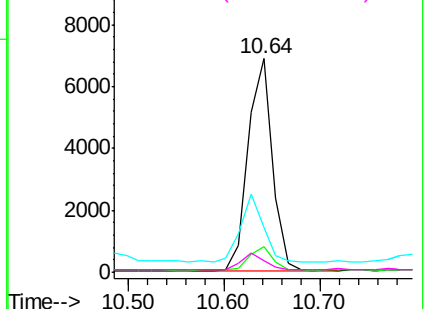
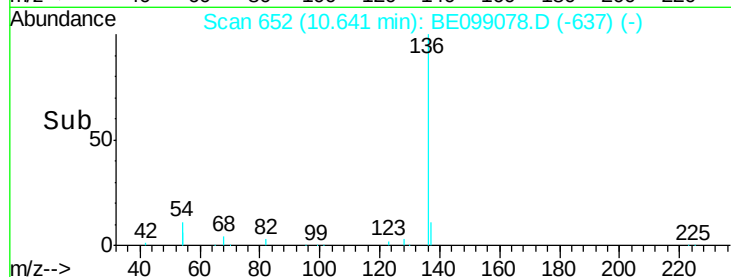


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.324 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

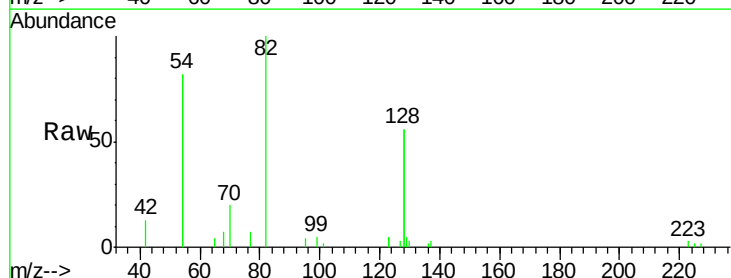
Tgt Ion: 82 Resp: 4079

Ion Ratio Lower Upper

82 100

128 111.8 98.8 148.2

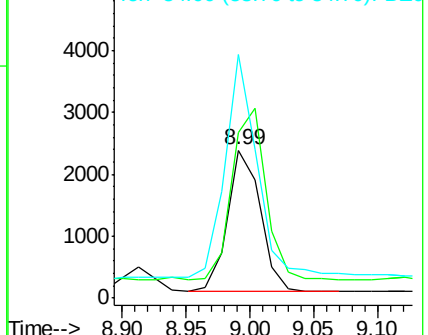
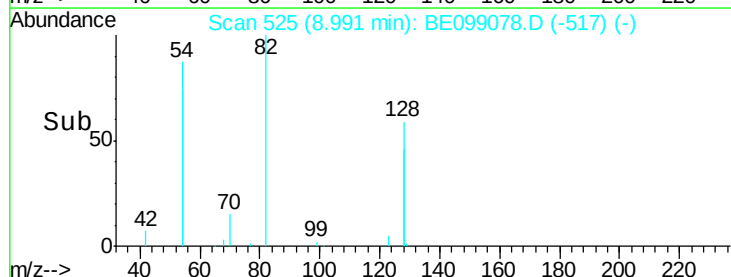
54 164.8 143.7 215.5

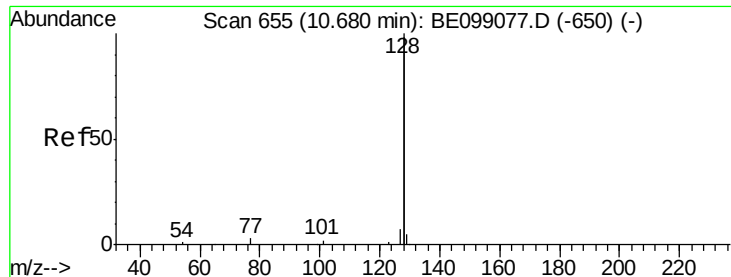


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.850 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

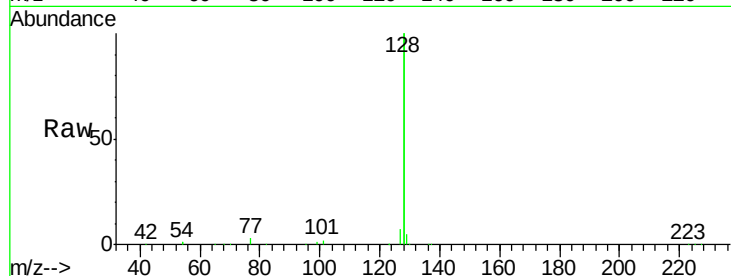
Tgt Ion:128 Resp: 116833

Ion Ratio Lower Upper

128 100

129 2.7 2.3 3.5

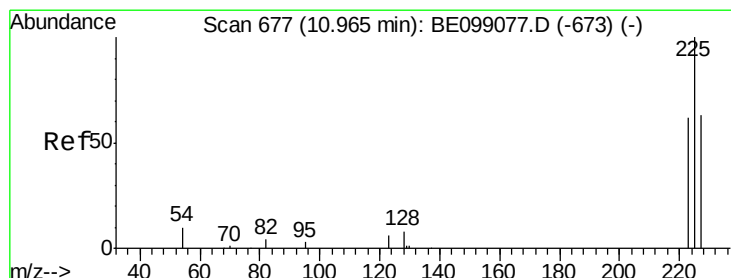
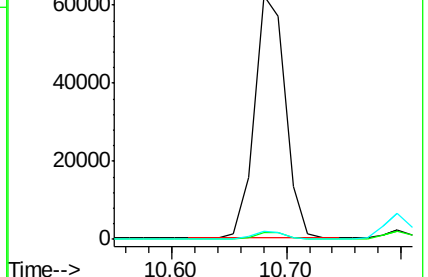
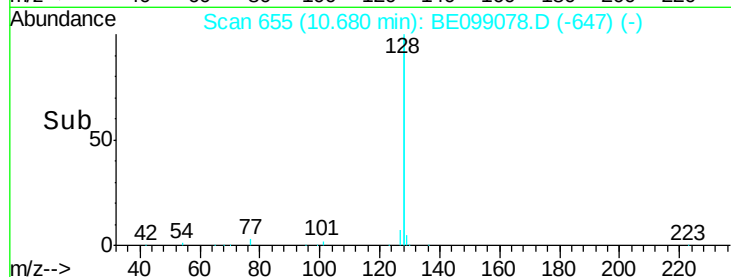
127 3.4 2.8 4.2



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: 0.619 ng

RT: 10.97 min Scan# 677

Delta R.T. 0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

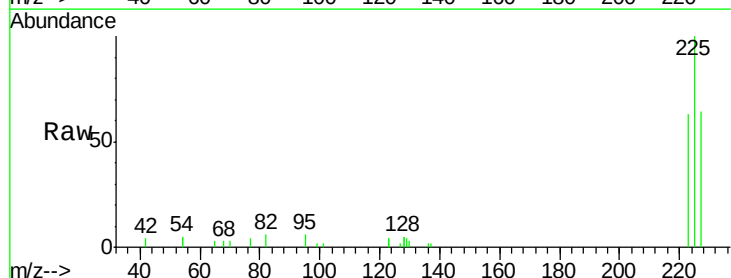
Tgt Ion:225 Resp: 5633

Ion Ratio Lower Upper

225 100

223 61.4 51.1 76.7

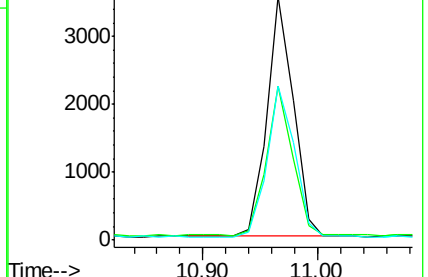
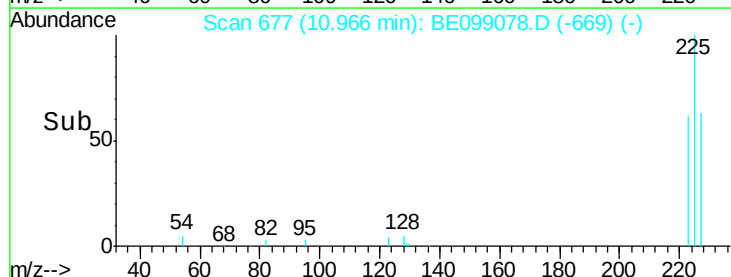
227 65.3 51.4 77.2

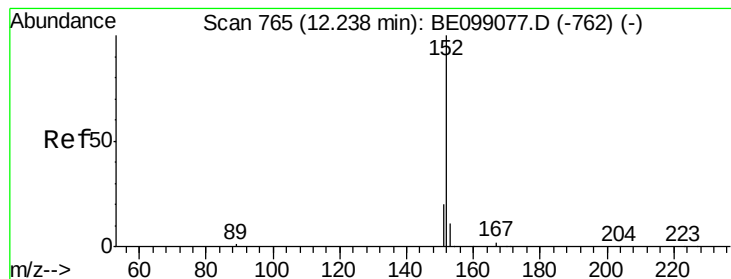


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.809 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

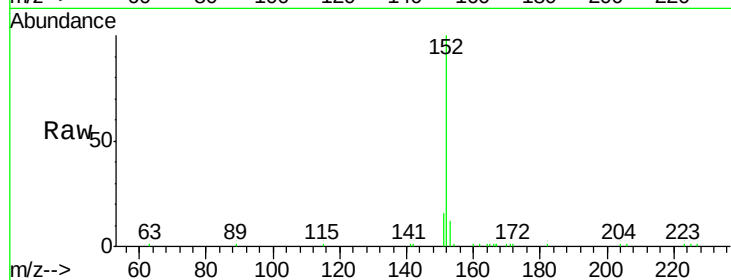
SSTDIC0.8

Tgt Ion:152 Resp: 17956

Ion Ratio Lower Upper

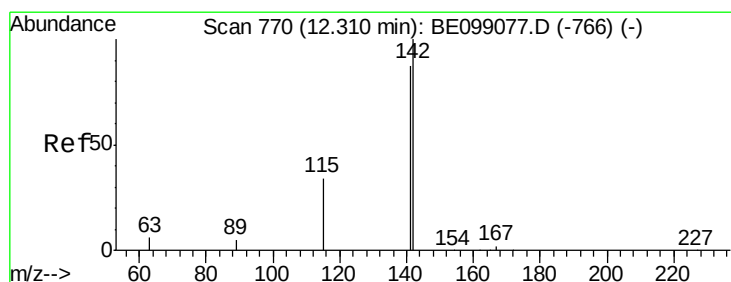
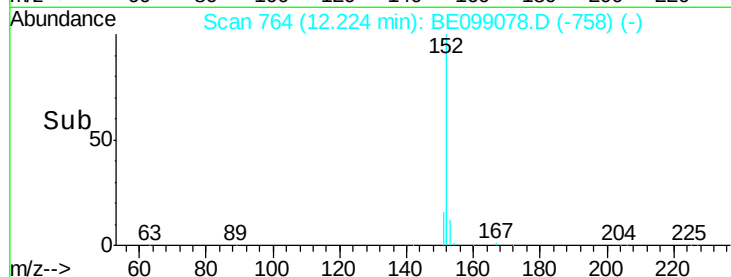
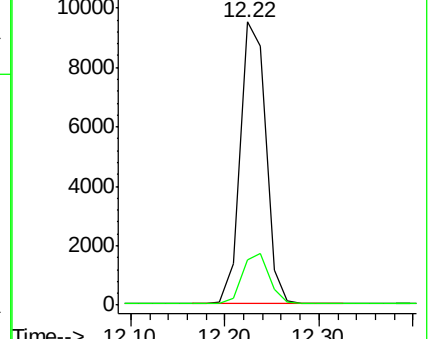
152 100

151 18.7 15.7 23.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.896 ng

RT: 12.31 min Scan# 770

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

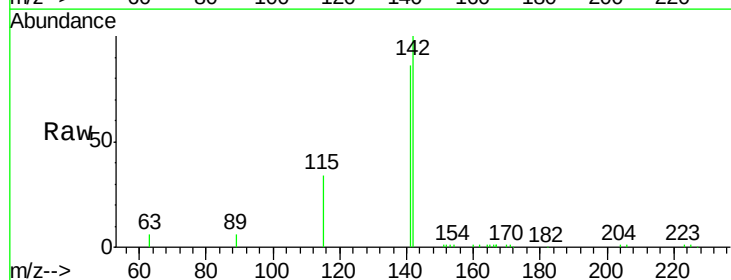
Tgt Ion:142 Resp: 19978

Ion Ratio Lower Upper

142 100

141 85.5 69.7 104.5

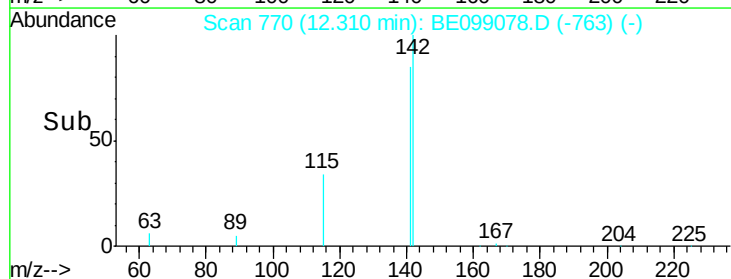
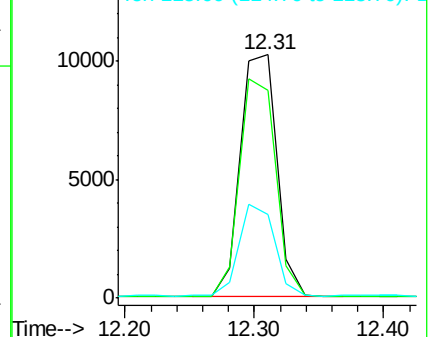
115 34.4 28.2 42.4

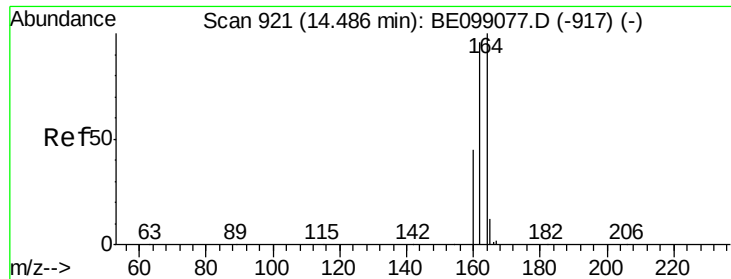


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

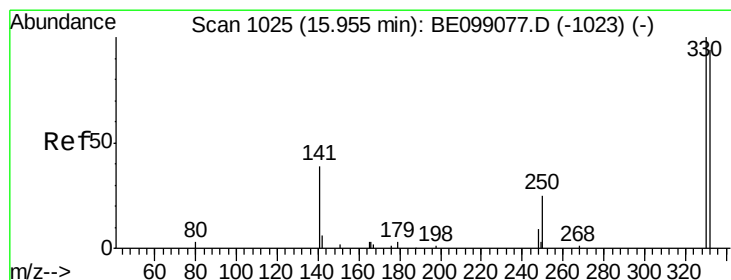
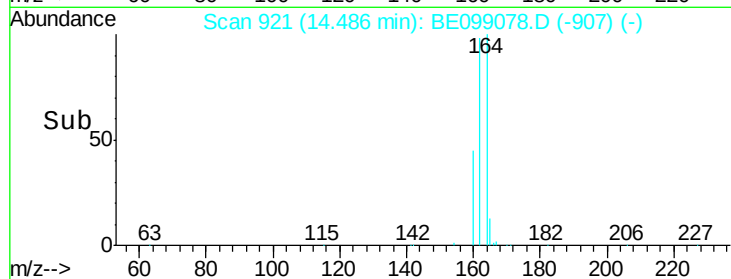
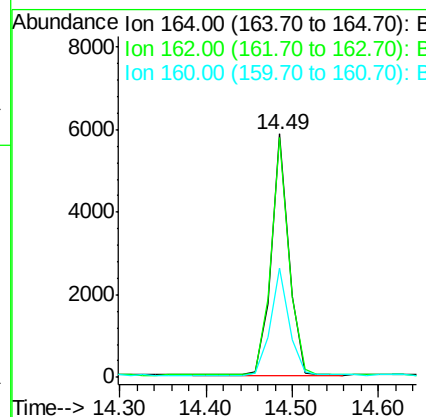
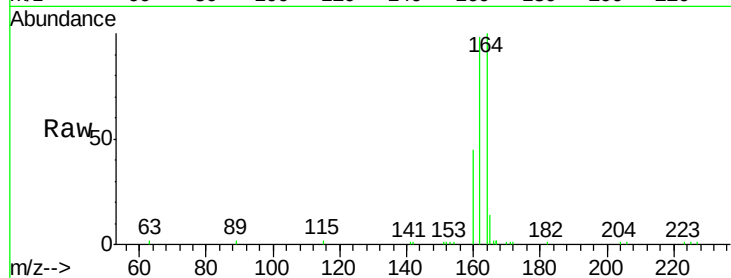




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099078.D
 Acq: 22 Mar 2019 12:41

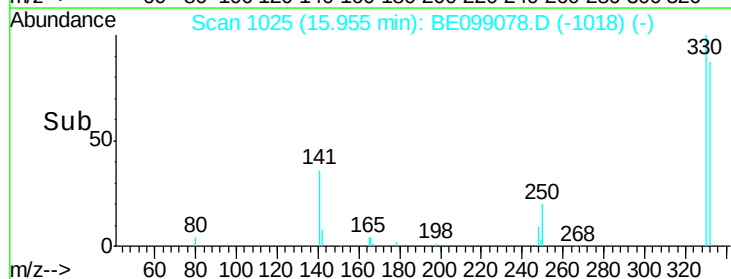
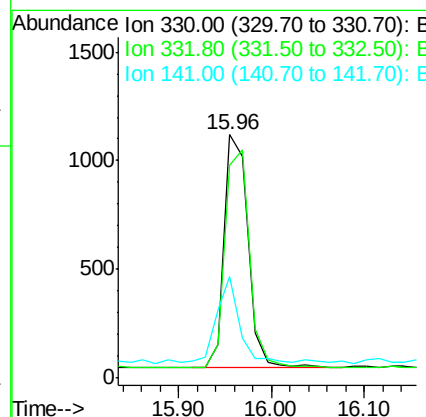
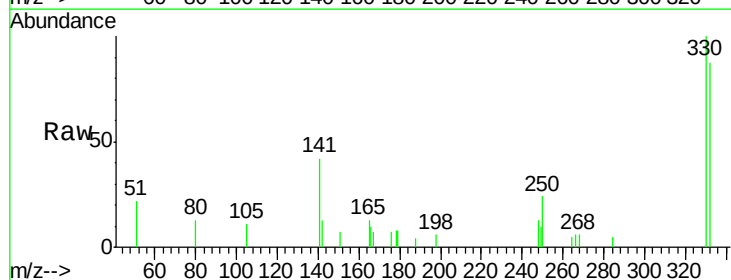
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

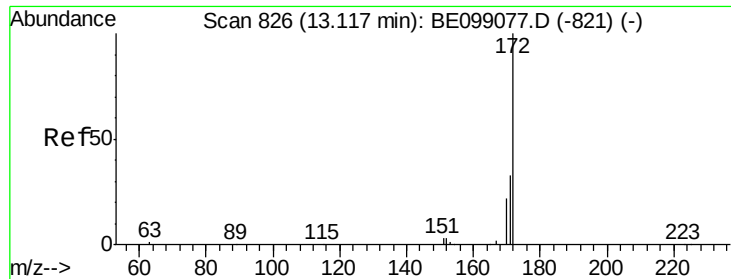
Tgt Ion:164 Resp: 8345
 Ion Ratio Lower Upper
 164 100
 162 98.3 76.8 115.2
 160 45.0 36.1 54.1



#14
 2,4,6-Tribromophenol
 Concen: 0.456 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BE099078.D
 Acq: 22 Mar 2019 12:41

Tgt Ion:330 Resp: 1921
 Ion Ratio Lower Upper
 330 100
 332 96.4 83.0 124.4
 141 34.5 30.7 46.1

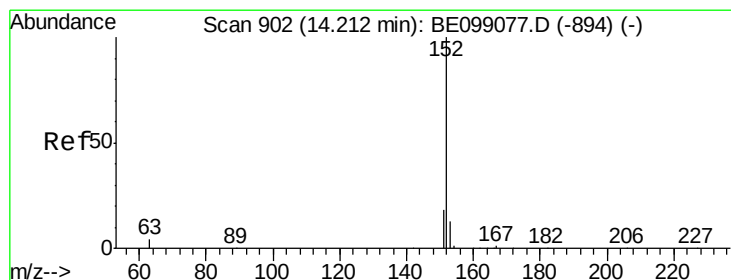
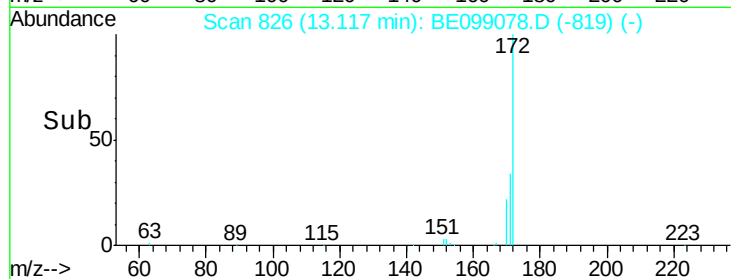
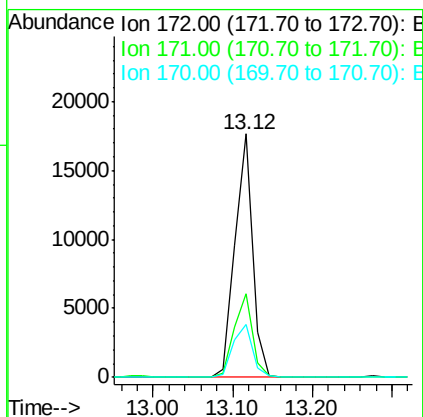
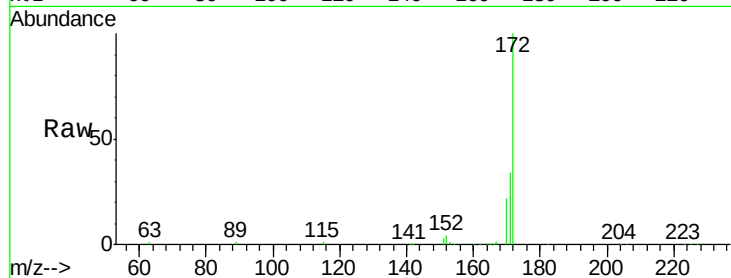




#15
2-Fluorobiphenyl
Concen: 0.779 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099078.D
Acq: 22 Mar 2019 12:41

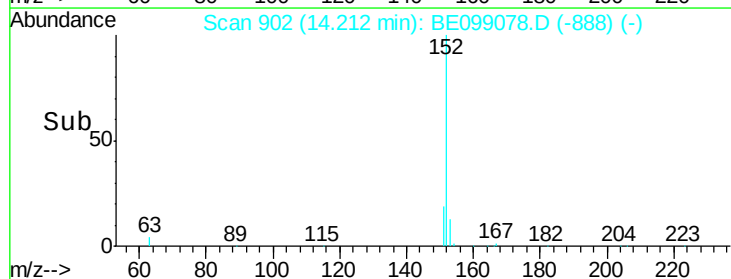
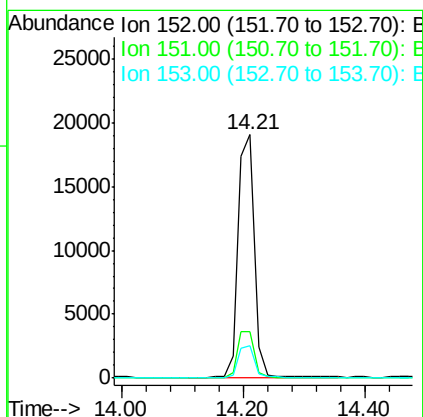
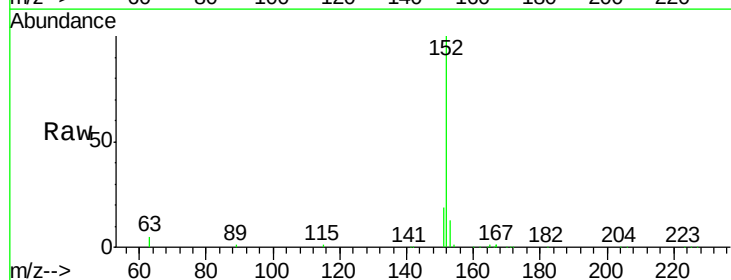
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

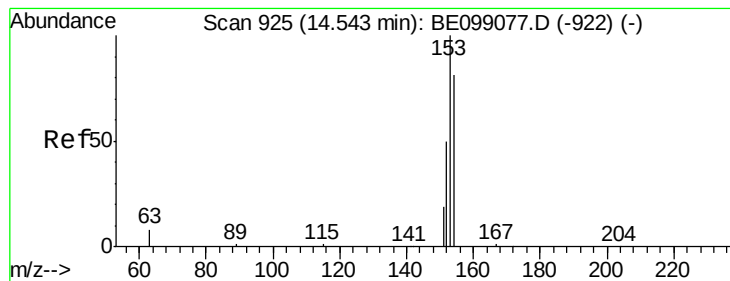
Tgt Ion:172 Resp: 26921
Ion Ratio Lower Upper
172 100
171 34.1 26.7 40.1
170 22.0 18.1 27.1



#16
Acenaphthylene
Concen: 0.826 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099078.D
Acq: 22 Mar 2019 12:41

Tgt Ion:152 Resp: 35454
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.2 10.2 15.4





#17

Acenaphthene

Concen: 0.833 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

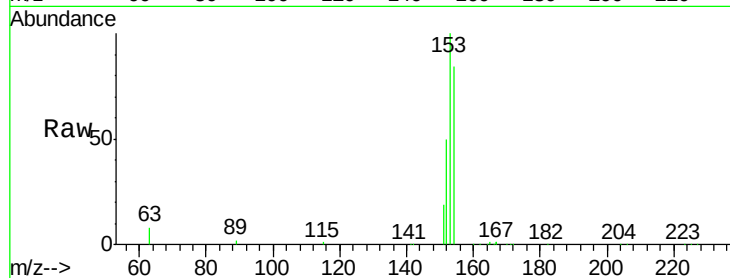
Tgt Ion:154 Resp: 21204

Ion Ratio Lower Upper

154 100

153 115.3 94.9 142.3

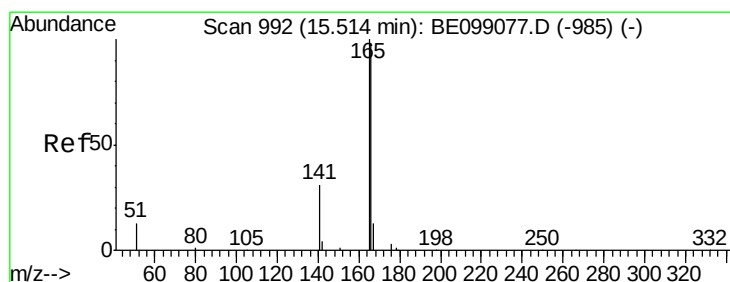
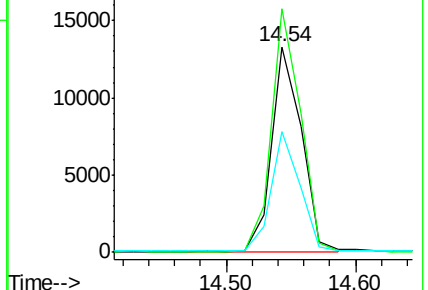
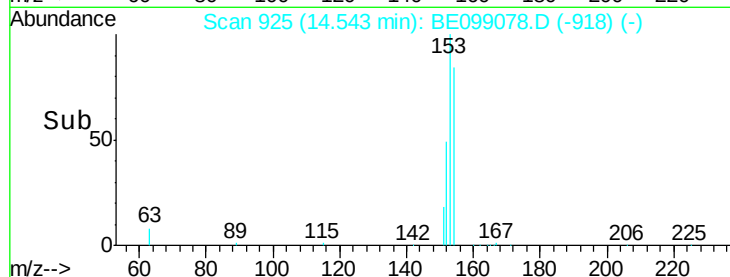
152 56.0 45.8 68.8



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: 0.858 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

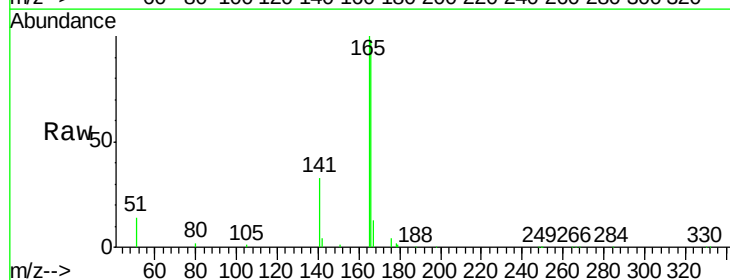
Tgt Ion:166 Resp: 31490

Ion Ratio Lower Upper

166 100

165 99.4 79.4 119.2

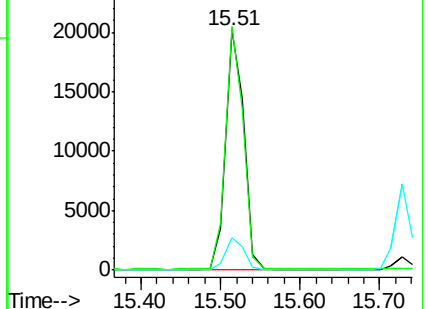
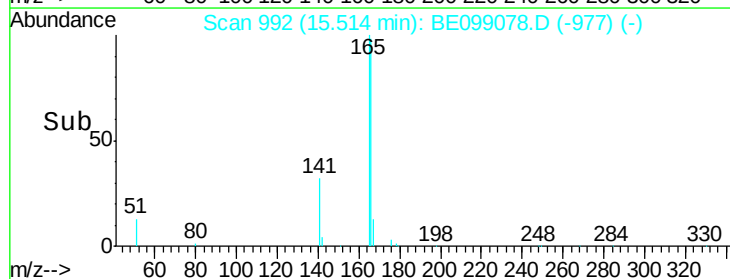
167 13.6 10.8 16.2

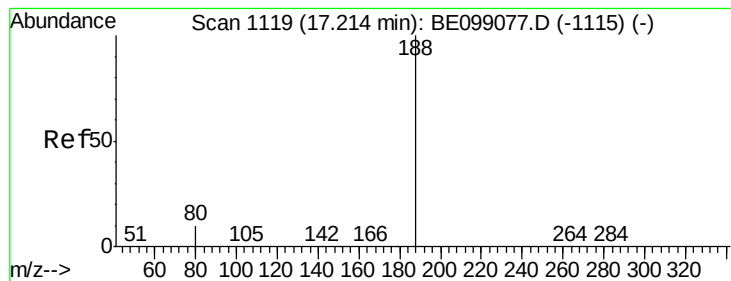


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

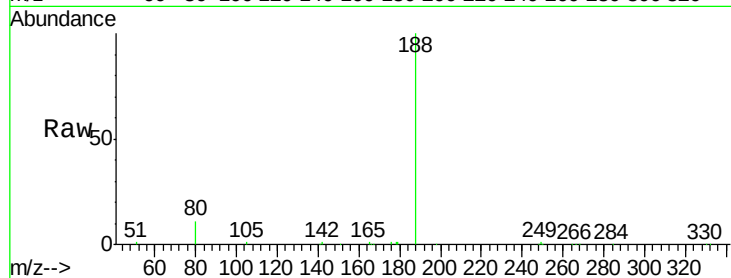
Tgt Ion:188 Resp: 24447

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

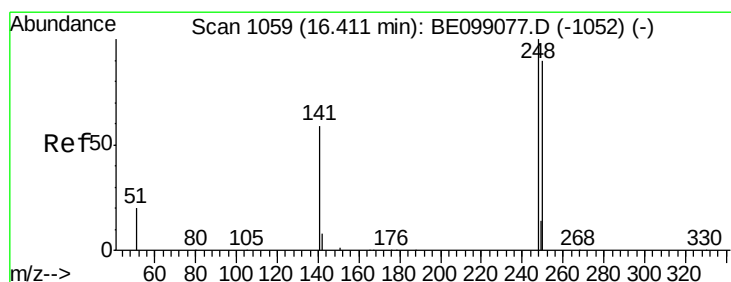
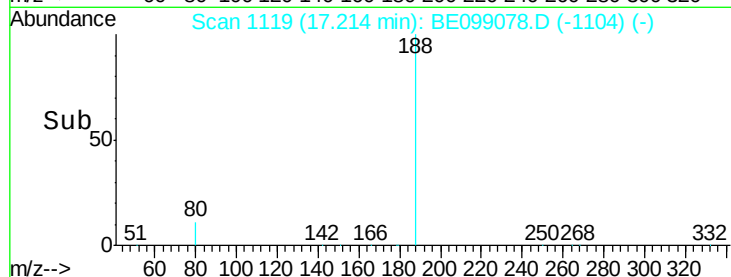
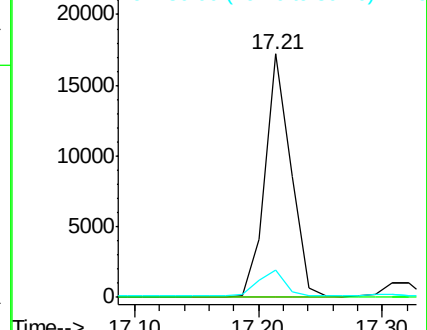
80 11.1 8.1 12.1



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



#20

4-Bromophenyl-phenylether

Concen: 0.825 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

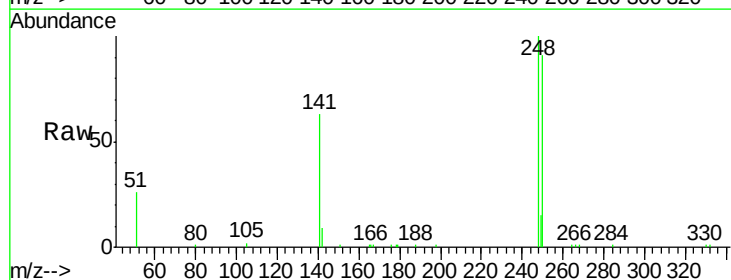
Tgt Ion:248 Resp: 10932

Ion Ratio Lower Upper

248 100

250 91.0 72.0 108.0

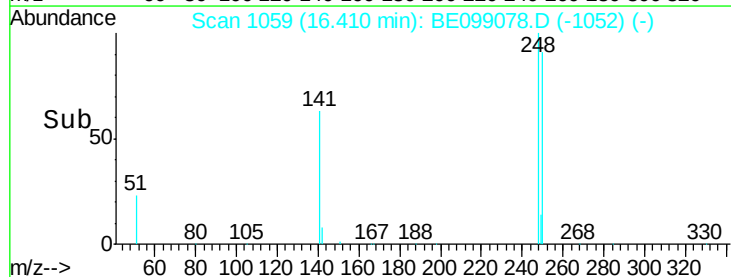
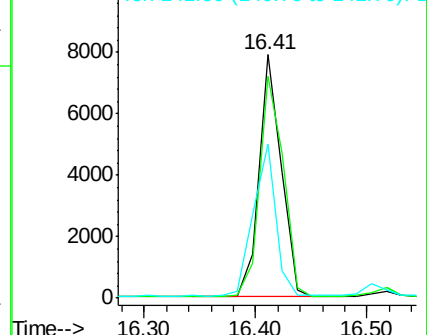
141 63.0 47.8 71.8

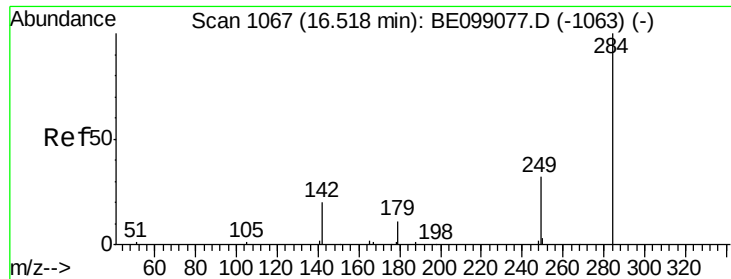


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

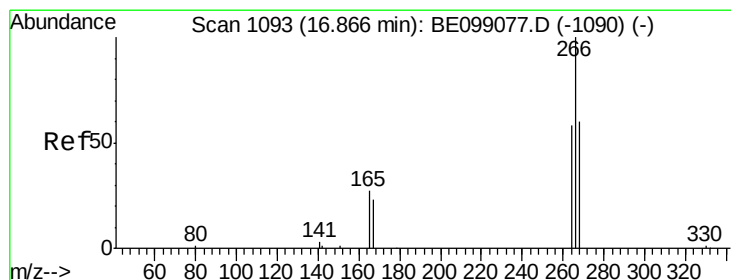
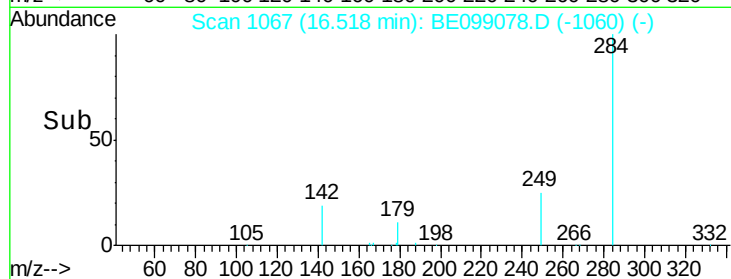
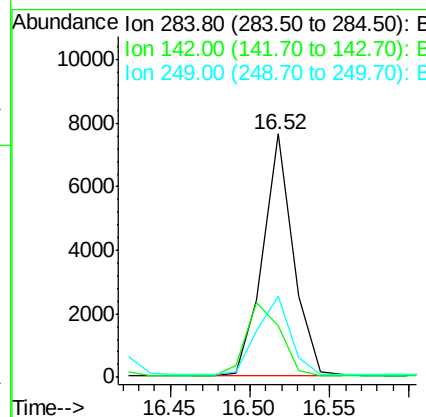
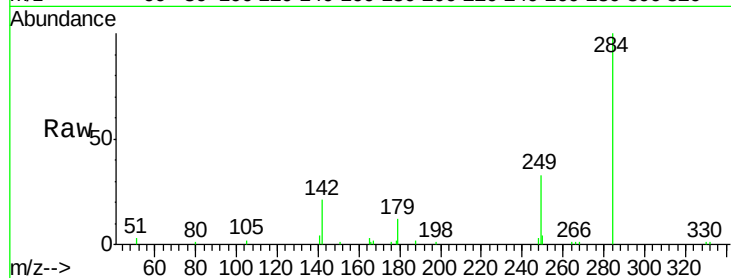




#21
Hexachlorobenzene
Concen: 0.647 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE099078.D
Acq: 22 Mar 2019 12:41

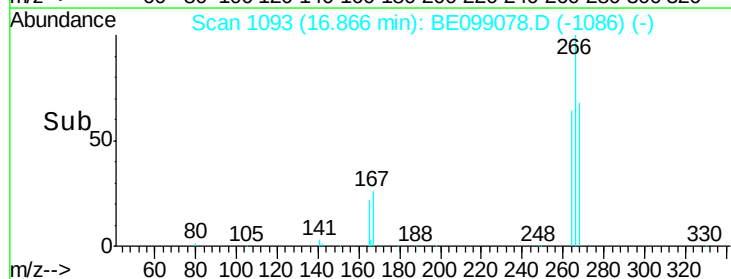
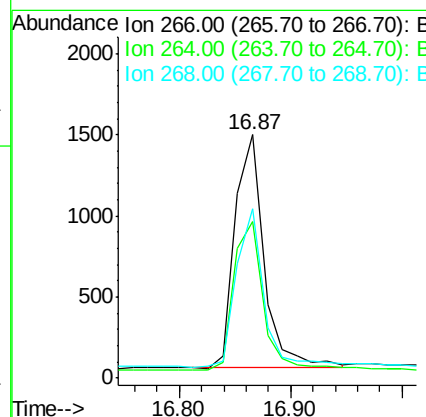
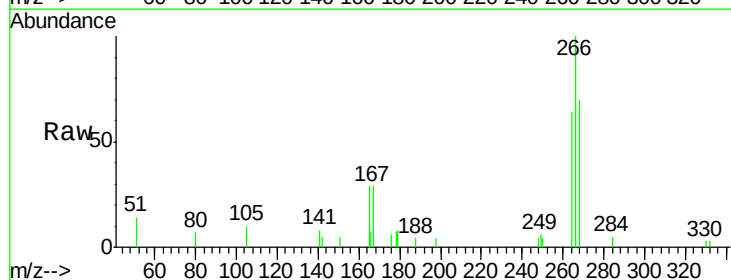
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

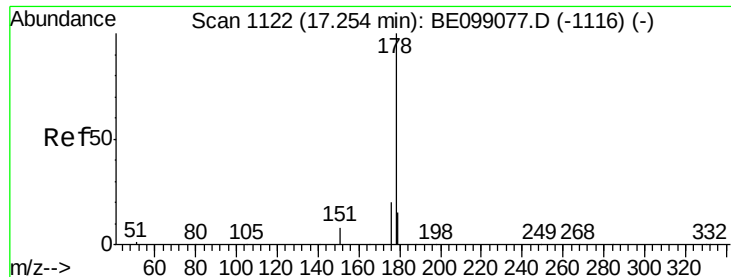
Tgt Ion:284 Resp: 10197
Ion Ratio Lower Upper
284 100
142 34.2 28.5 42.7
249 35.2 28.2 42.4



#22
Pentachlorophenol
Concen: 0.821 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE099078.D
Acq: 22 Mar 2019 12:41

Tgt Ion:266 Resp: 2628
Ion Ratio Lower Upper
266 100
264 64.3 47.4 71.0
268 69.6 50.7 76.1





#23

Phenanthrene

Concen: 0.868 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

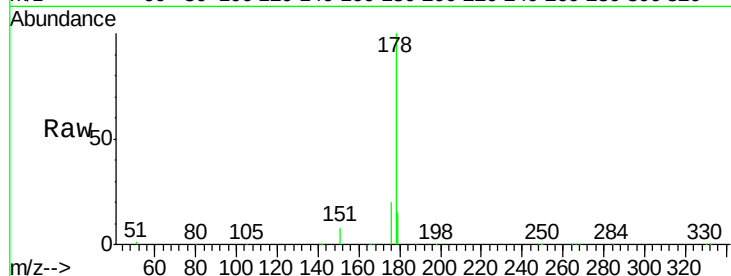
Tgt Ion:178 Resp: 60327

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

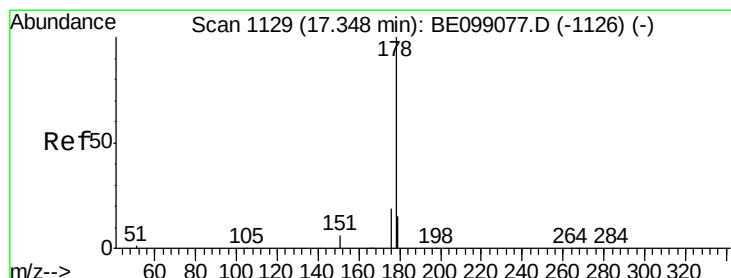
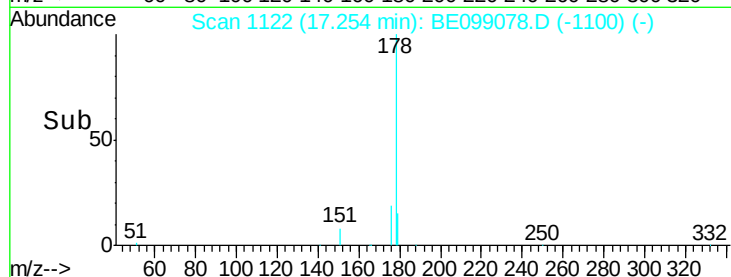
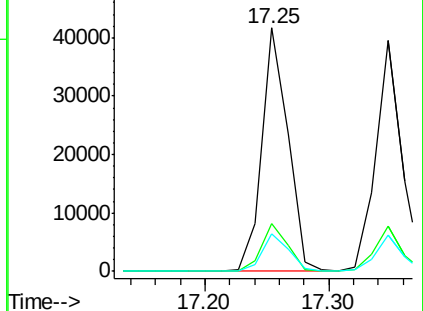
179 15.2 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.947 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

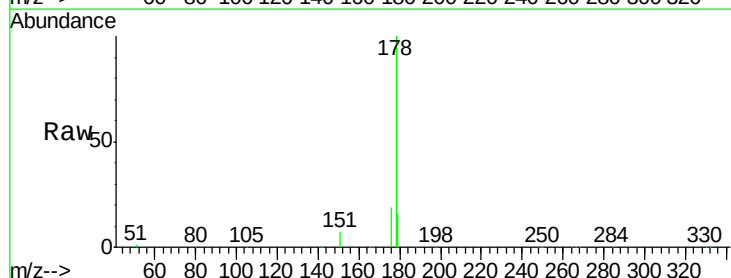
Tgt Ion:178 Resp: 56263

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

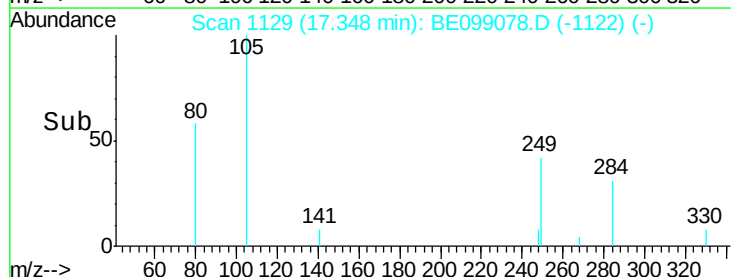
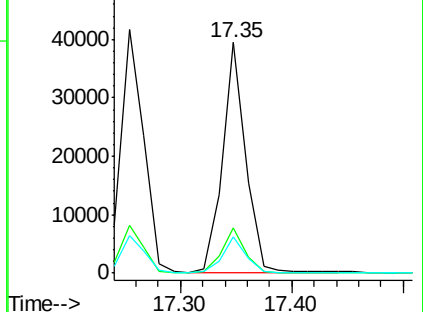
179 15.4 12.4 18.6

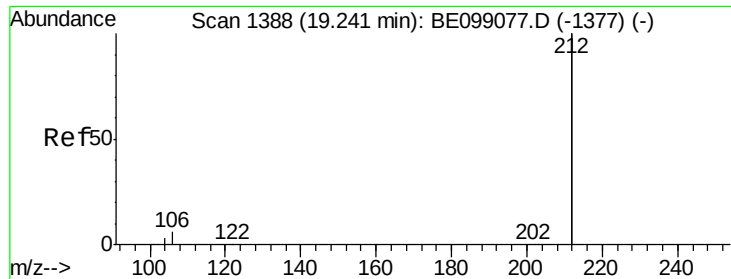


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.700 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

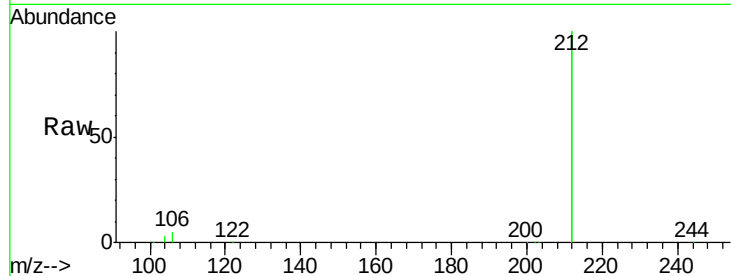
Tgt Ion:212 Resp: 273233

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.4

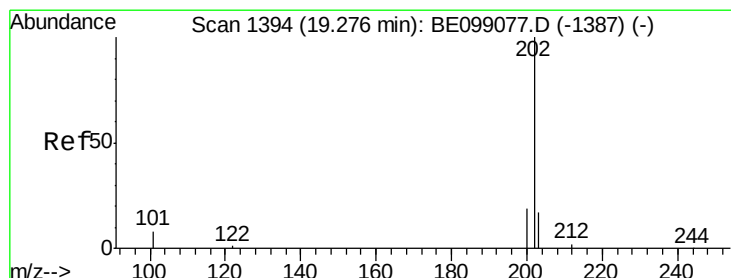
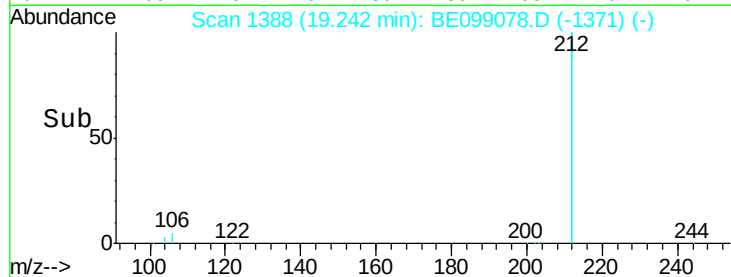
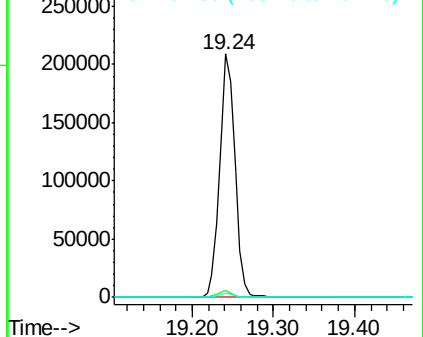
104 1.5 1.3 1.9



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: 0.878 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

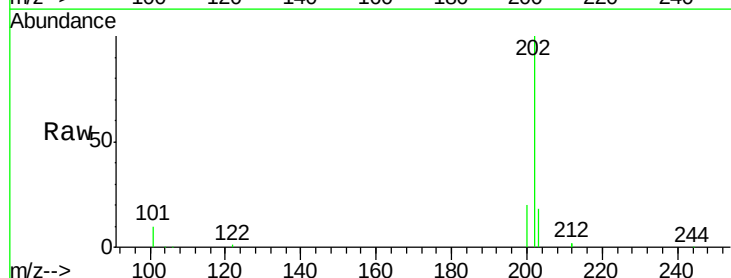
Tgt Ion:202 Resp: 86118

Ion Ratio Lower Upper

202 100

101 9.6 7.5 11.3

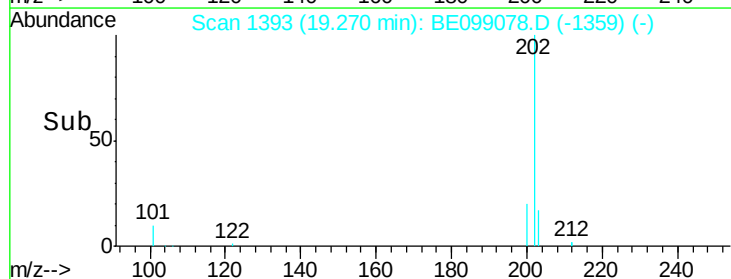
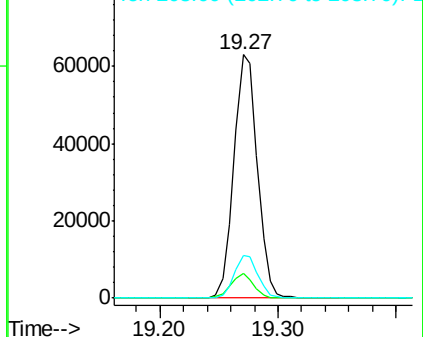
203 17.4 13.7 20.5

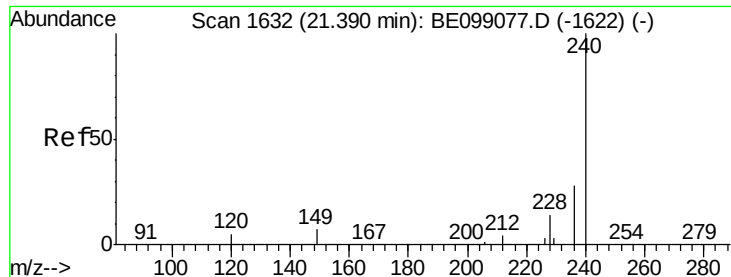


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

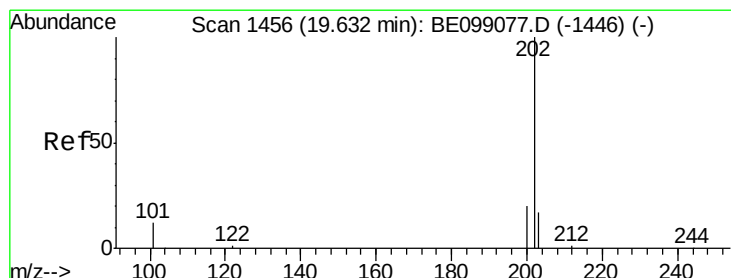
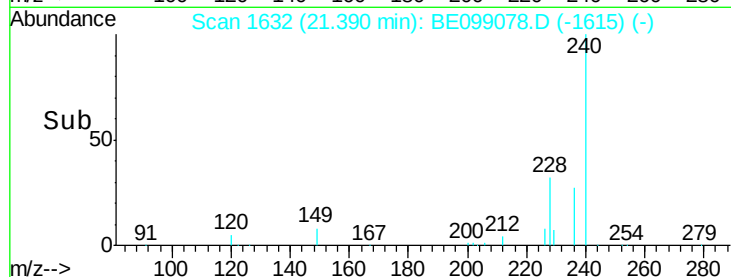
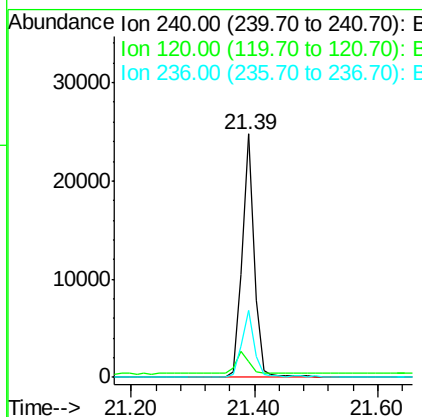
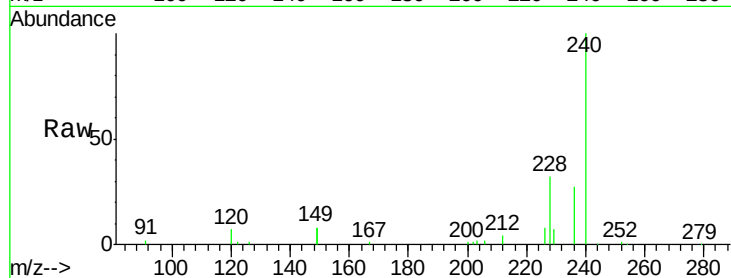




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BE099078.D
 Acq: 22 Mar 2019 12:41

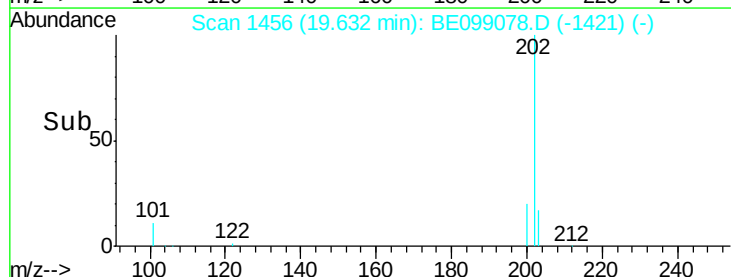
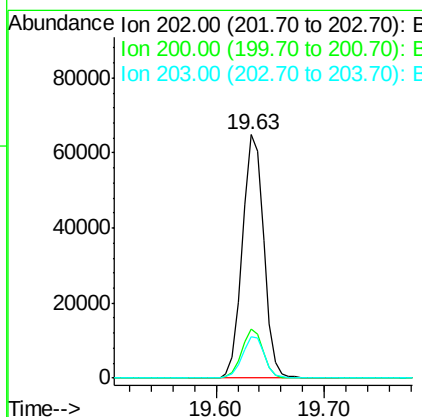
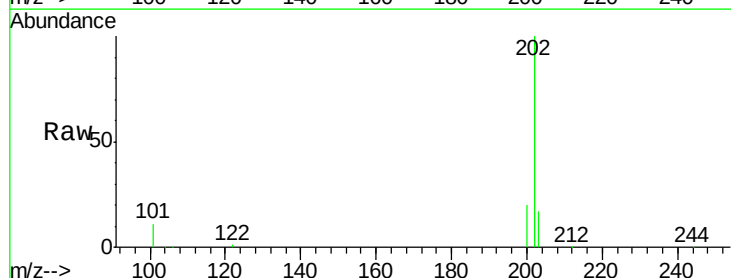
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

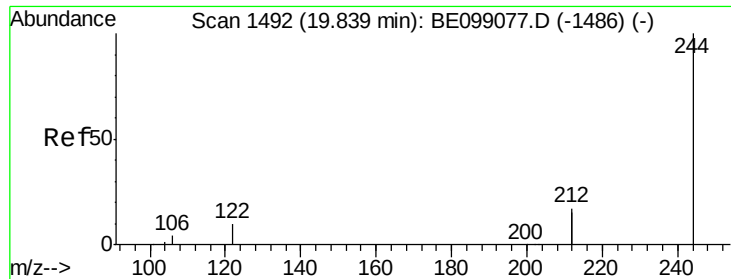
Tgt Ion:240 Resp: 32607
 Ion Ratio Lower Upper
 240 100
 120 6.7 5.0 7.6
 236 27.4 22.2 33.4



#28
 Pyrene
 Concen: 0.884 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099078.D
 Acq: 22 Mar 2019 12:41

Tgt Ion:202 Resp: 88187
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.1 24.1
 203 17.5 14.0 21.0





#29

Terphenyl-d14

Concen: 0.700 ng

RT: 19.84 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

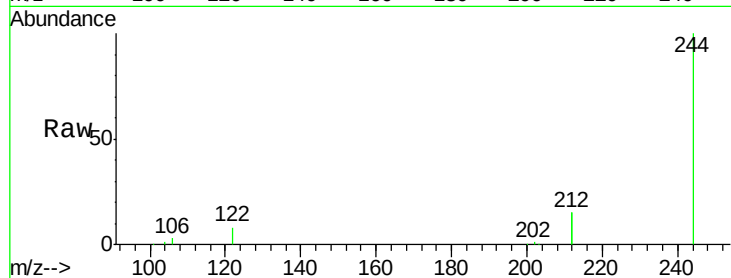
Tgt Ion:244 Resp: 55484

Ion Ratio Lower Upper

244 100

212 30.4 26.9 40.3

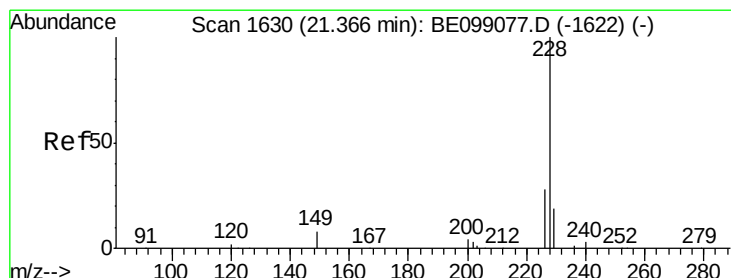
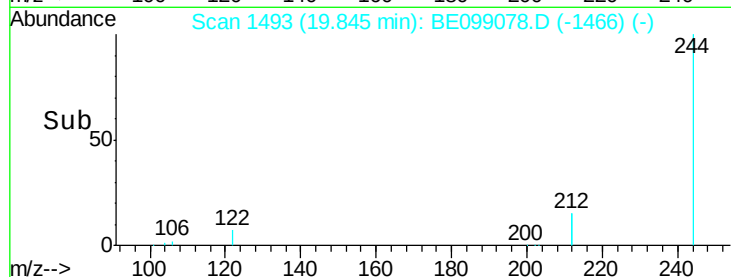
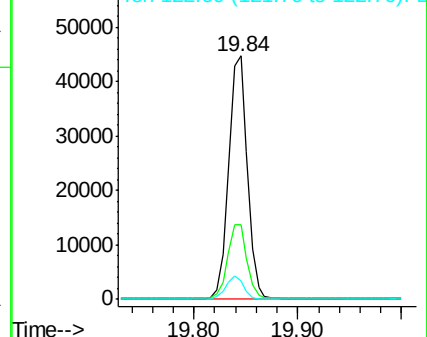
122 7.5 7.8 11.8#



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: 0.912 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

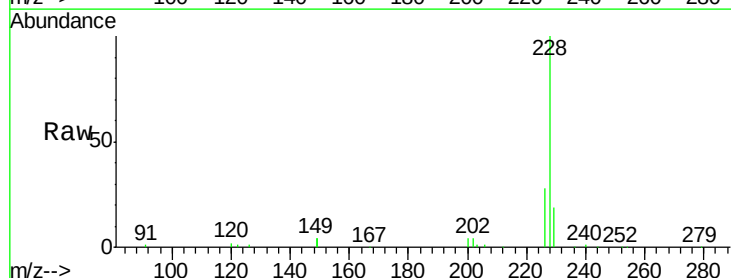
Tgt Ion:228 Resp: 92836

Ion Ratio Lower Upper

228 100

226 28.3 22.4 33.6

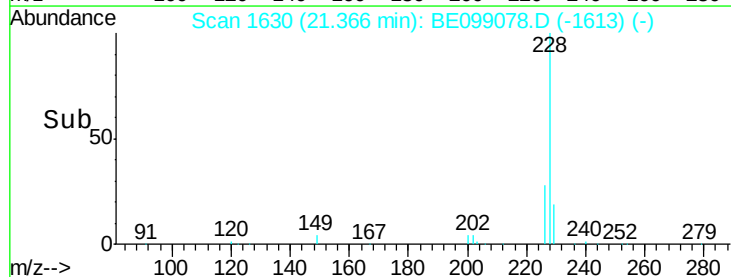
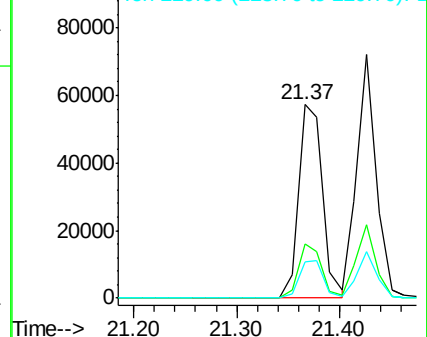
229 18.7 15.6 23.4

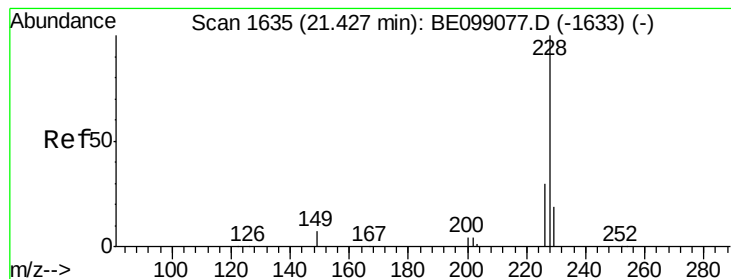


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.858 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

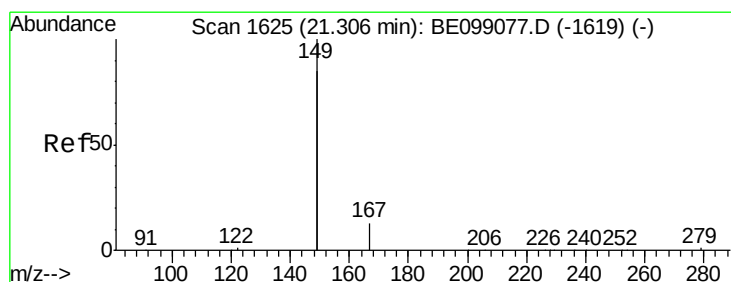
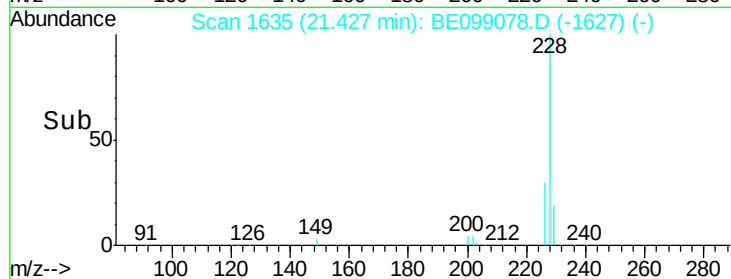
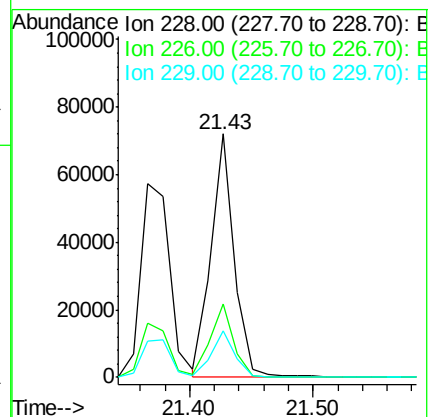
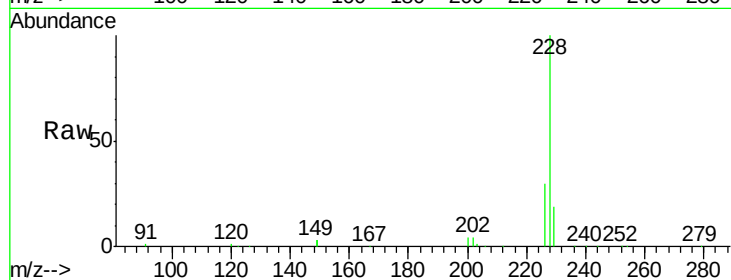
Tgt Ion:228 Resp: 93412

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 19.2 15.5 23.3



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.484 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

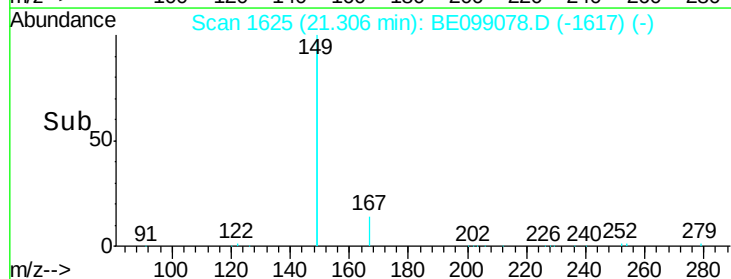
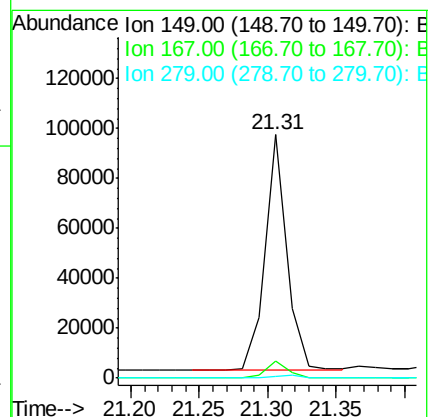
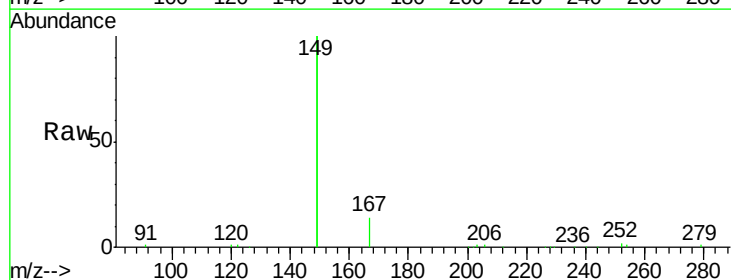
Tgt Ion:149 Resp: 104717

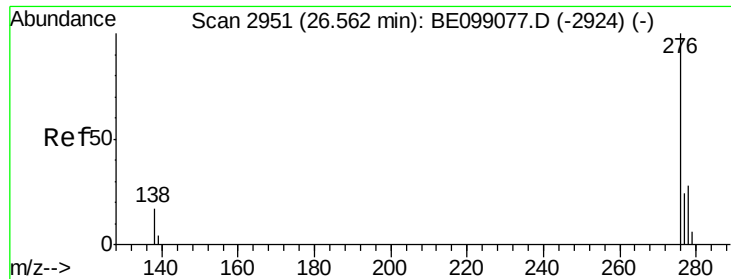
Ion Ratio Lower Upper

149 100

167 7.2 5.7 8.5

279 1.0 0.8 1.2





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.866 ng

RT: 26.57 min Scan# 2952

Delta R.T. 0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

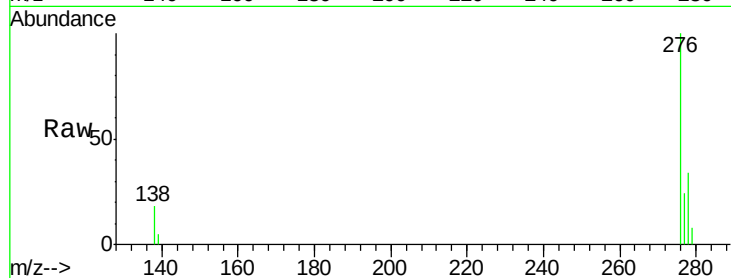
Tgt Ion:276 Resp: 99558

Ion Ratio Lower Upper

276 100

138 19.6 15.8 23.8

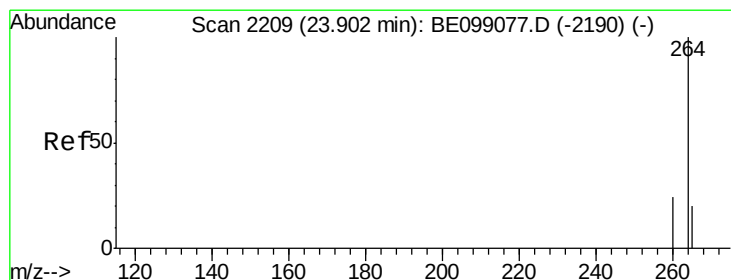
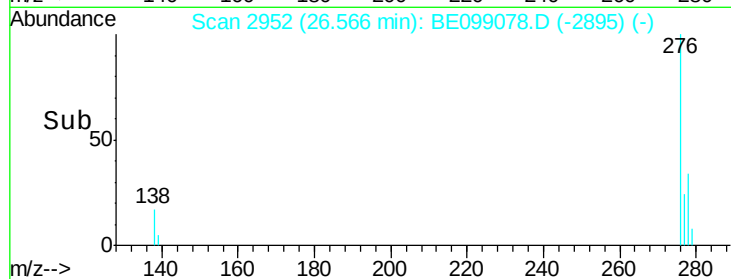
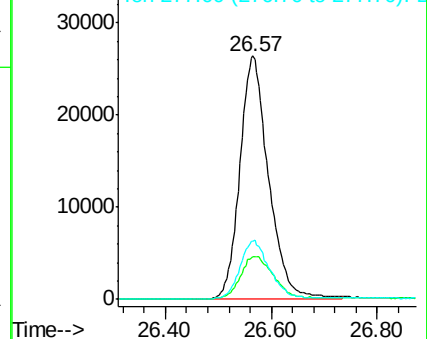
277 24.5 19.4 29.2



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: 23.90 min Scan# 2209

Delta R.T. 0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

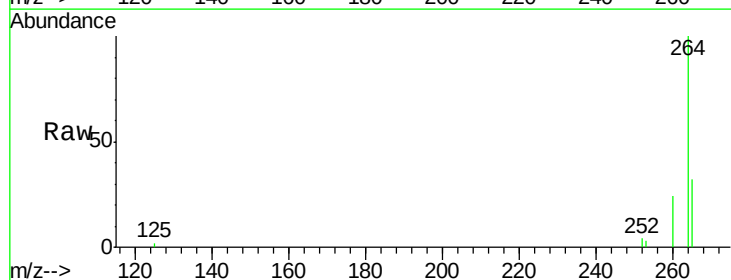
Tgt Ion:264 Resp: 32127

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

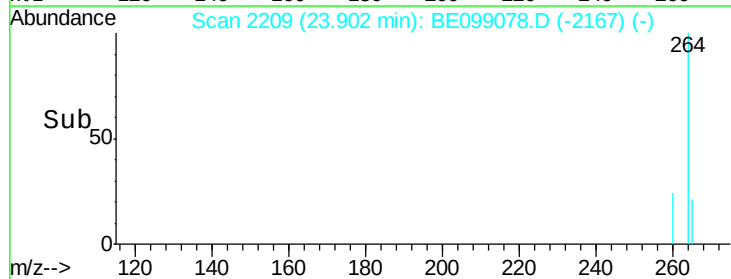
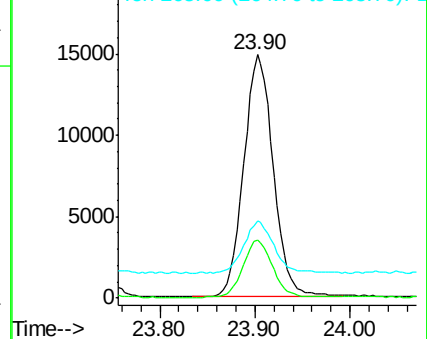
265 31.5 24.1 36.1

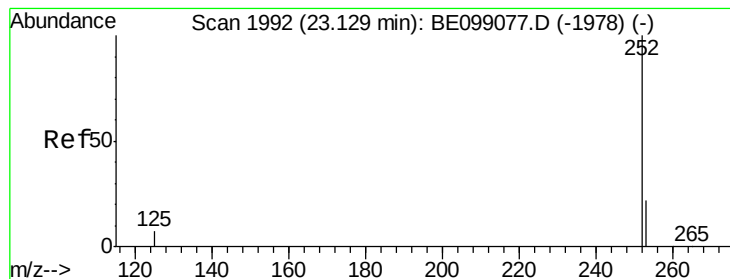


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.855 ng

RT: 23.13 min Scan# 1992

Delta R.T. 0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

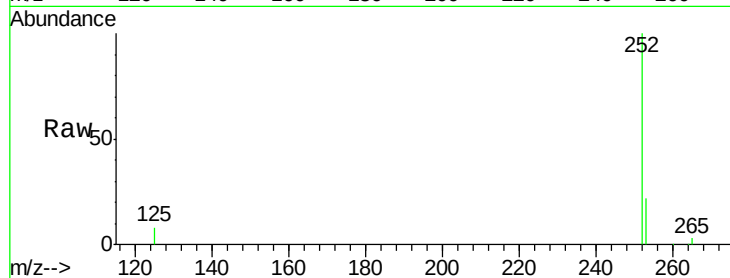
Tgt Ion:252 Resp: 90351

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

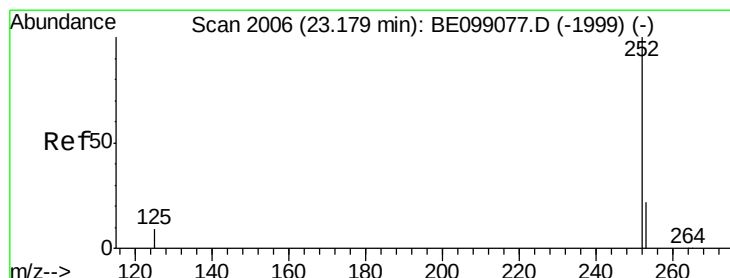
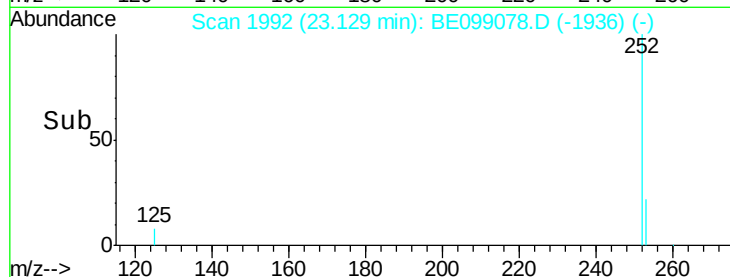
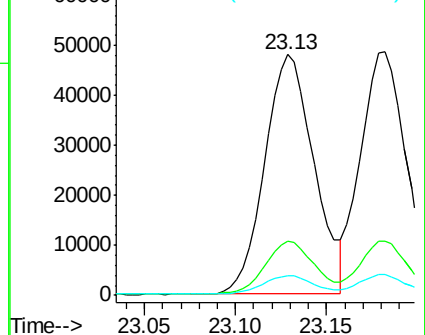
125 8.1 7.0 10.4



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: 0.790 ng

RT: 23.18 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

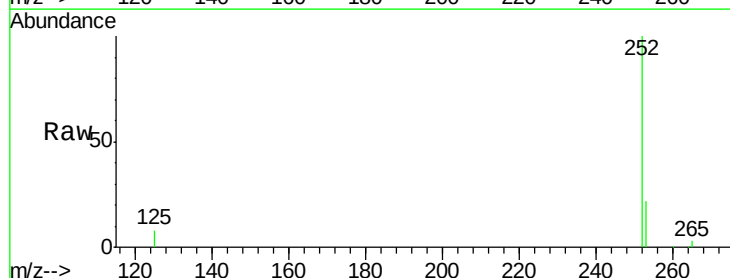
Tgt Ion:252 Resp: 87385

Ion Ratio Lower Upper

252 100

253 22.4 18.6 28.0

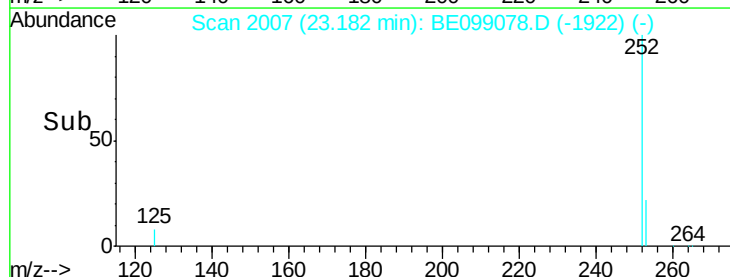
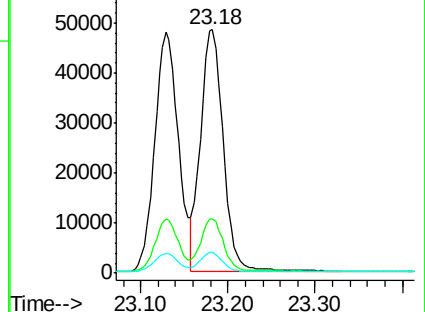
125 8.5 7.8 11.6

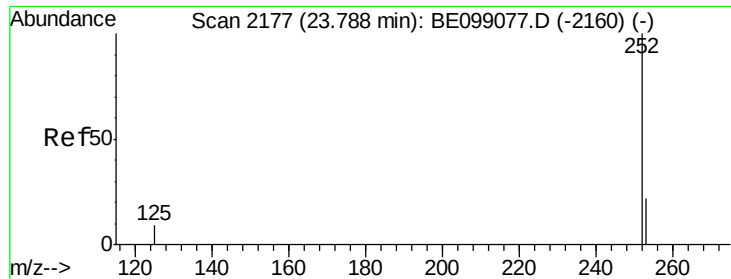


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.820 ng

RT: 23.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

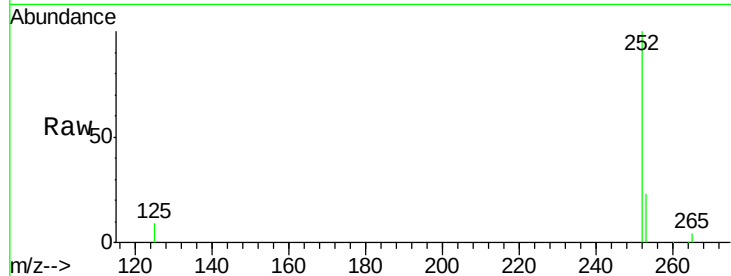
Tgt Ion:252 Resp: 83009

Ion Ratio Lower Upper

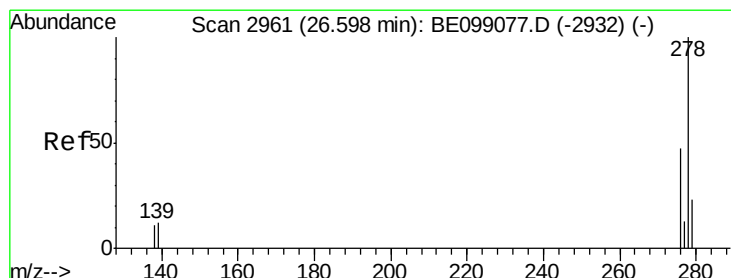
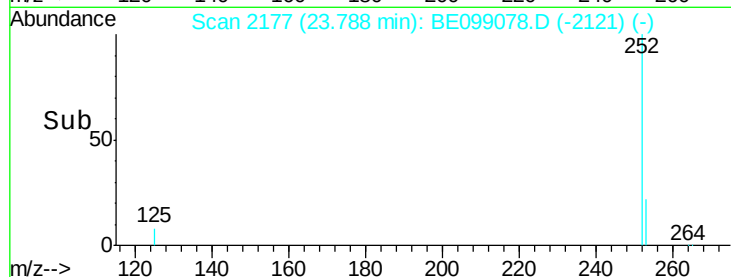
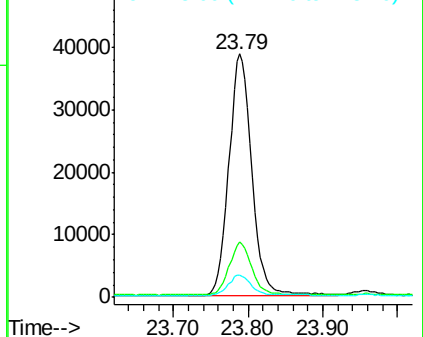
252 100

253 23.0 19.3 28.9

125 9.0 8.3 12.5



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: 0.847 ng

RT: 26.60 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BE099078.D

Acq: 22 Mar 2019 12:41

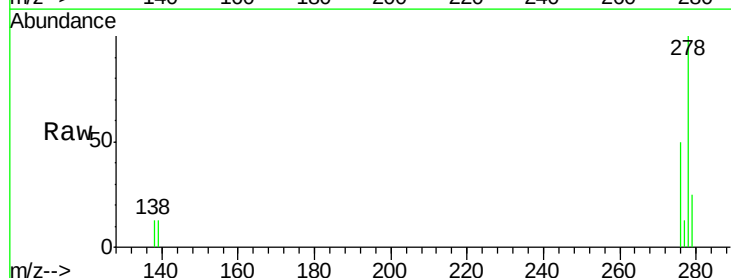
Tgt Ion:278 Resp: 81155

Ion Ratio Lower Upper

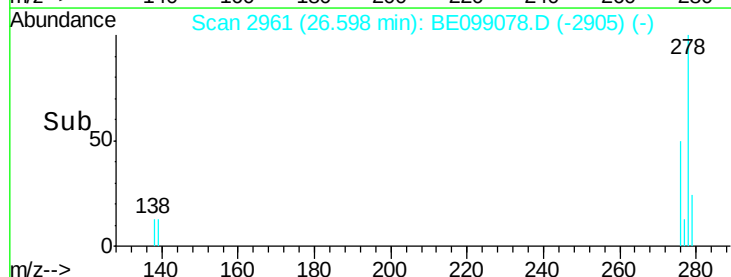
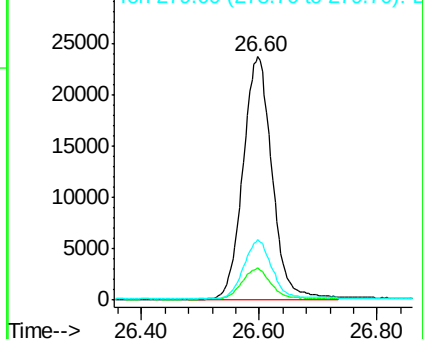
278 100

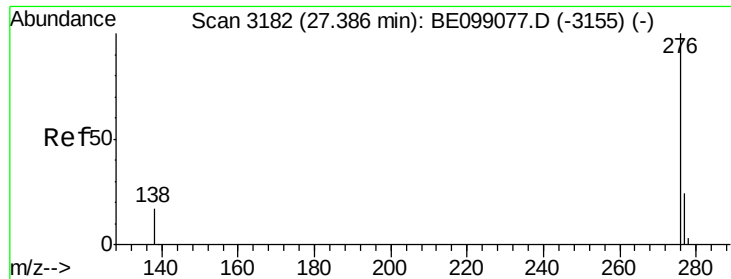
139 13.4 10.6 16.0

279 24.7 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(g,h,i)perylene

Concen: 0.830 ng

RT: 27.39 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BE099078.D

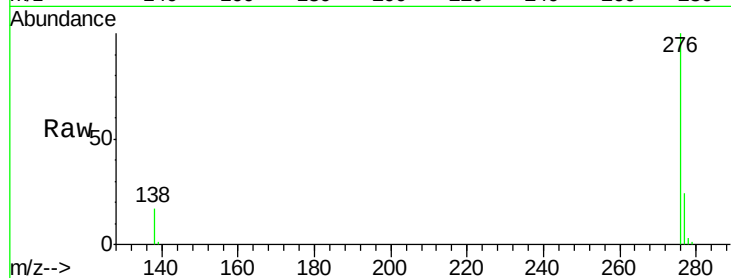
Acq: 22 Mar 2019 12:41

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8



Tgt Ion: 276 Resp: 83177

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.2

138 17.4 14.6 21.8

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

