

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040419\
 Data File : BE099293.D
 Acq On : 4 Apr 2019 16:00
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Apr 05 04:25:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 02 17:16:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3483	0.40	ng	-0.02
7) Naphthalene-d8	10.60	136	13027	0.40	ng	-0.02
13) Acenaphthene-d10	14.46	164	8776	0.40	ng	-0.03
19) Phenanthrene-d10	17.19	188	25106	0.40	ng	-0.03
27) Chrysene-d12	21.37	240	37188	0.40	ng	-0.02
34) Perylene-d12	23.86	264	39063	0.40	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	3525	0.38	ng	-0.02
5) Phenol-d6	6.97	99	4992	0.39	ng	-0.01
8) Nitrobenzene-d5	8.97	82	3776	0.42	ng	-0.02
11) 2-Methylnaphthalene-d10	12.21	152	9614	0.42	ng	-0.01
14) 2,4,6-Tribromophenol	15.94	330	1384	0.34	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	15180	0.44	ng	-0.01
25) Fluoranthene-d10	19.22	212	133229	0.40	ng	-0.02
29) Terphenyl-d14	19.82	244	28575	0.42	ng	-0.02

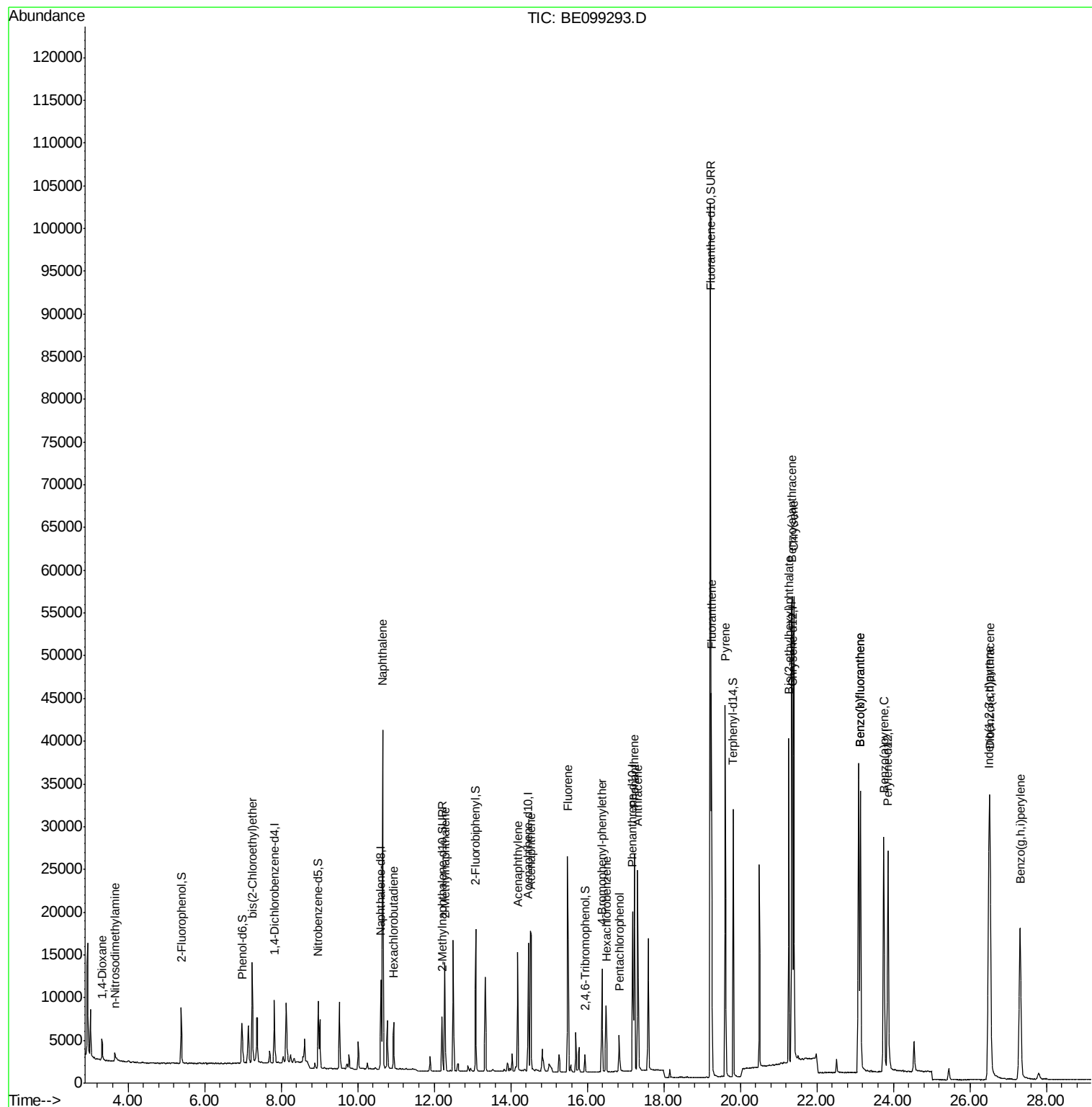
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	2111	0.445	ng	# 96
3) n-Nitrosodimethylamine	3.65	42	969	0.346	ng	# 93
6) bis(2-Chloroethyl)ether	7.24	93	4791	0.420	ng	98
9) Naphthalene	10.65	128	60958	0.430	ng	100
10) Hexachlorobutadiene	10.94	225	3895	0.423	ng	98
12) 2-Methylnaphthalene	12.28	142	10065	0.417	ng	99
16) Acenaphthylene	14.18	152	16261	0.391	ng	100
17) Acenaphthene	14.53	154	10161	0.414	ng	100
18) Fluorene	15.49	166	14674	0.414	ng	98
20) 4-Bromophenyl-phenylether	16.38	248	6033	0.423	ng	# 80
21) Hexachlorobenzene	16.49	284	5999	0.442	ng	98
22) Pentachlorophenol	16.84	266	2305	0.409	ng	87
23) Phenanthrene	17.23	178	27864	0.429	ng	100
24) Anthracene	17.32	178	24308	0.397	ng	99
26) Fluoranthene	19.25	202	39459	0.412	ng	99
28) Pyrene	19.61	202	40621	0.414	ng	100
30) Benzo(a)anthracene	21.34	228	46792	0.400	ng	99
31) Chrysene	21.40	228	47979	0.418	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	38823	0.260	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	55322	0.422	ng	98
35) Benzo(b)fluoranthene	23.14	252	49622	0.426	ng	99
36) Benzo(k)fluoranthene	23.14	252	49622	0.437	ng	100
37) Benzo(a)pyrene	23.75	252	44680	0.408	ng	99
38) Dibenzo(a,h)anthracene	26.52	278	46506	0.427	ng	98
39) Benzo(g,h,i)perylene	27.31	276	45248	0.417	ng	99

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

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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Apr 04 16:49:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 02 17:16:42 2019
Response via : Initial Calibration



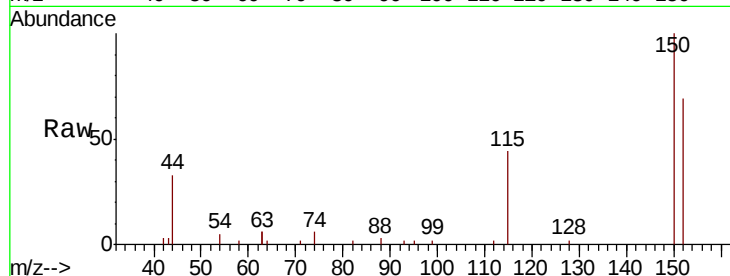


#1

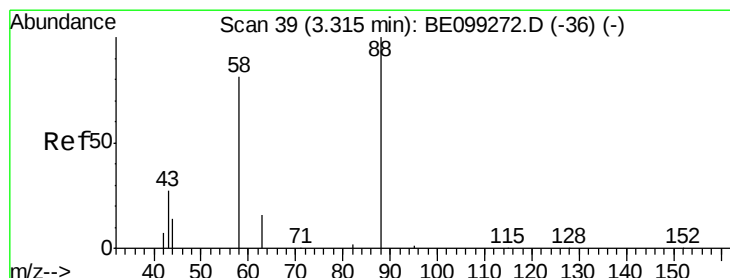
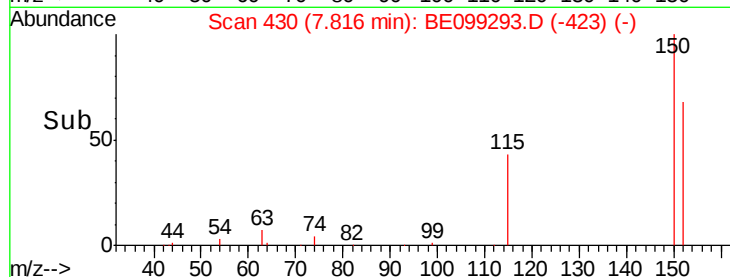
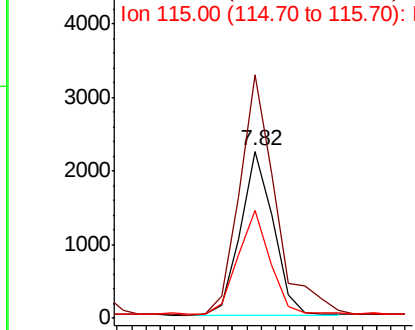
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.02 min
Lab File: BE099293.D
Acq: 4 Apr 2019 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3483
Ion Ratio Lower Upper
152 100
150 145.9 112.8 169.2
115 64.4 45.1 67.7



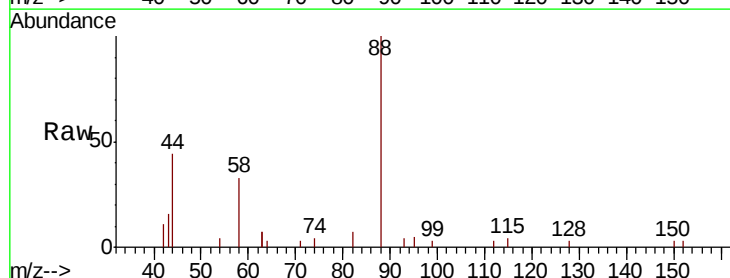
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



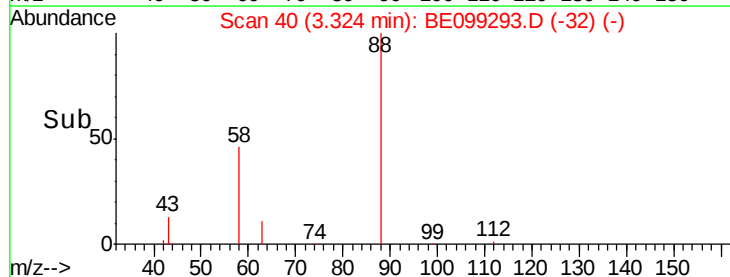
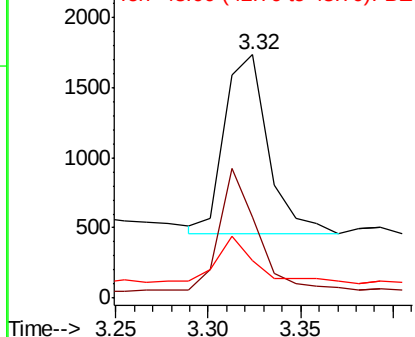
#2

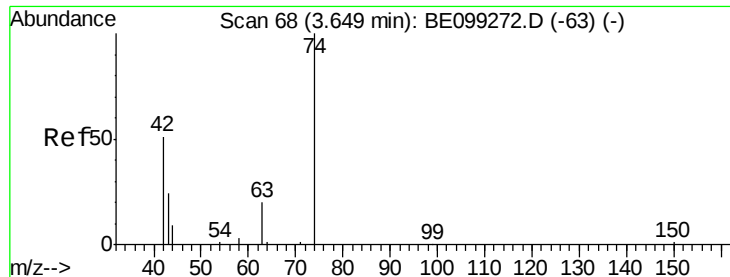
1,4-Dioxane
Concen: 0.445 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.01 min
Lab File: BE099293.D
Acq: 4 Apr 2019 16:00

Tgt Ion: 88 Resp: 2111
Ion Ratio Lower Upper
88 100
58 58.4 47.4 71.0
43 25.6 15.6 23.4#



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: 0.346 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

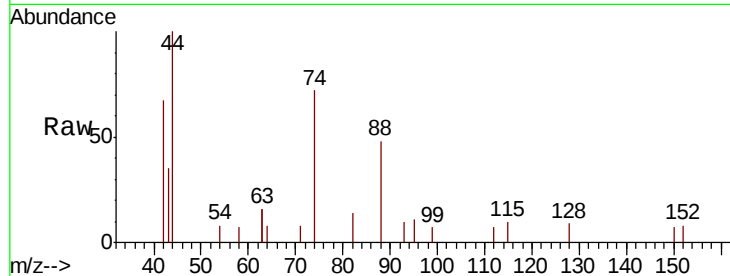
Tgt Ion: 42 Resp: 969

Ion Ratio Lower Upper

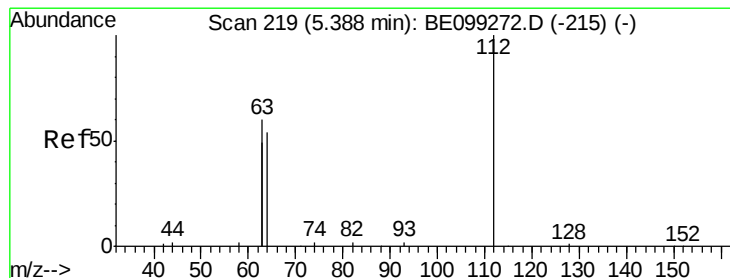
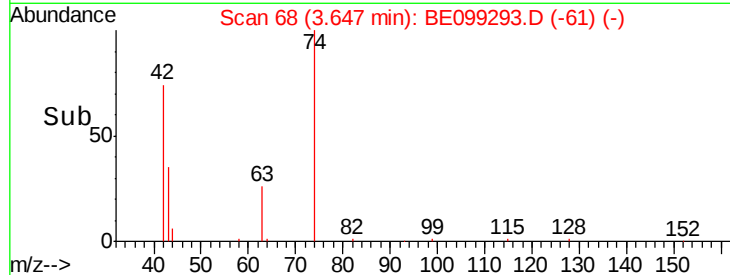
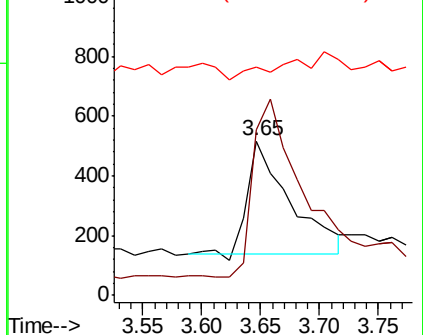
42 100

74 178.0 138.6 207.8

44 0.0 15.0 22.6#



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: 0.381 ng

RT: 5.39 min Scan# 219

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

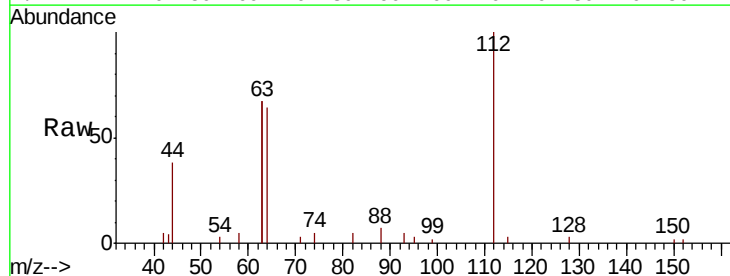
Tgt Ion: 112 Resp: 3525

Ion Ratio Lower Upper

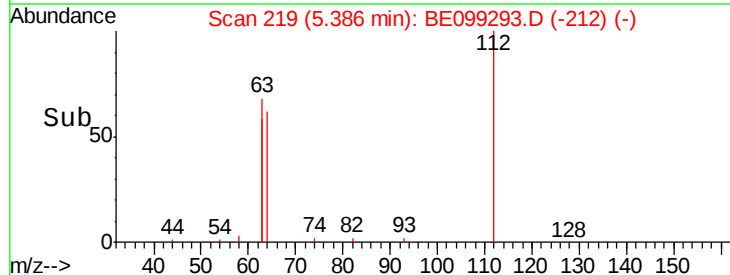
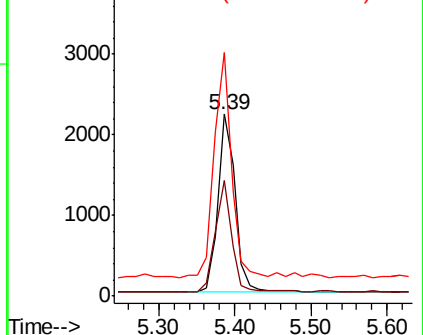
112 100

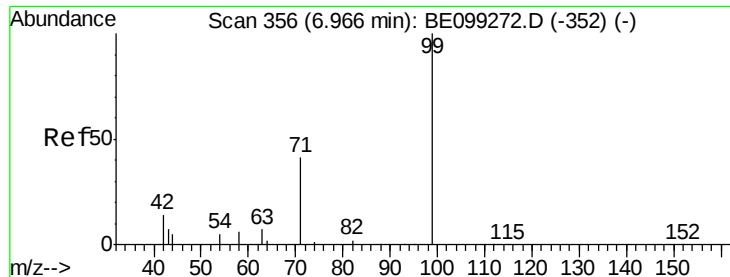
64 58.8 46.2 69.2

63 123.3 89.9 134.9



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: 0.392 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

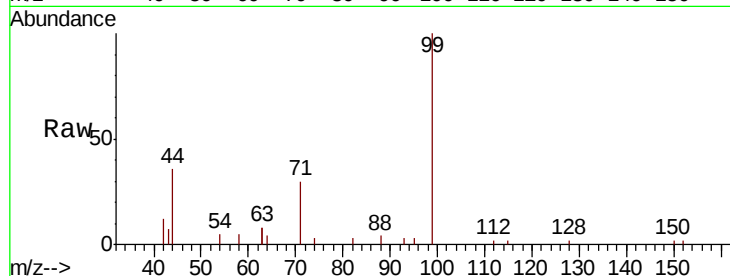
Tgt Ion: 99 Resp: 4992

Ion Ratio Lower Upper

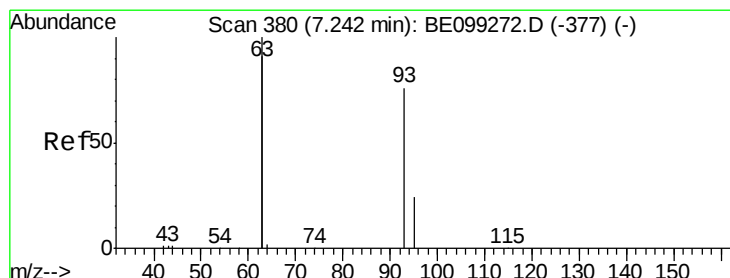
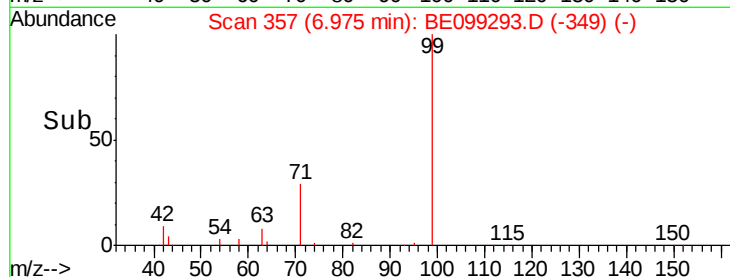
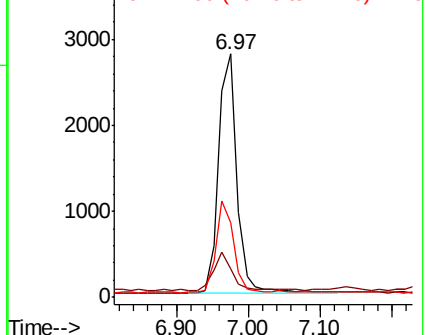
99 100

42 15.7 12.4 18.6

71 36.2 28.4 42.6



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: 0.420 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

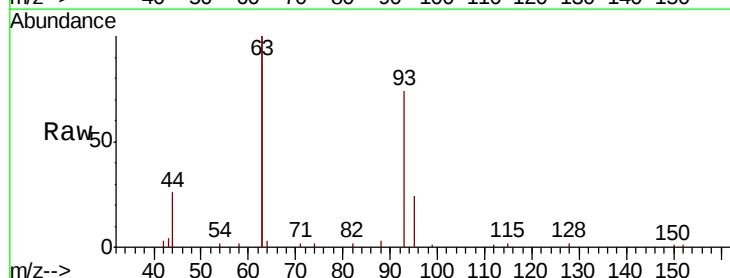
Tgt Ion: 93 Resp: 4791

Ion Ratio Lower Upper

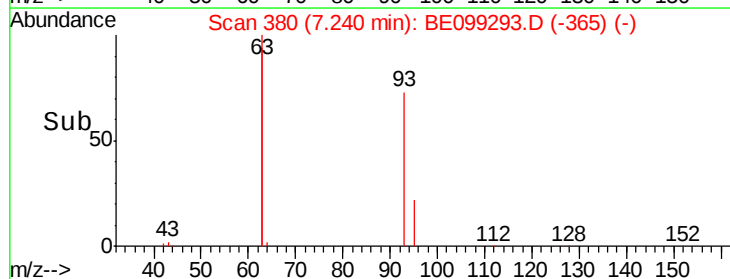
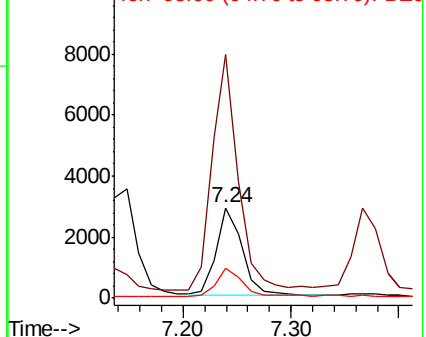
93 100

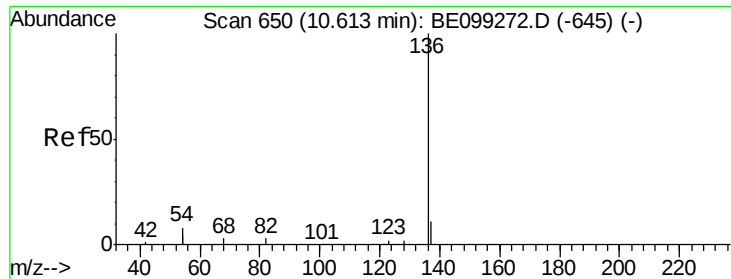
63 272.0 221.4 332.0

95 32.7 25.8 38.8



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion:136 Resp: 13027

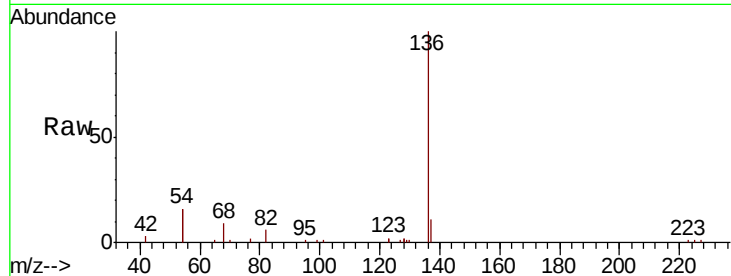
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 32.6 18.7 28.1#

68 8.8 5.2 7.8#



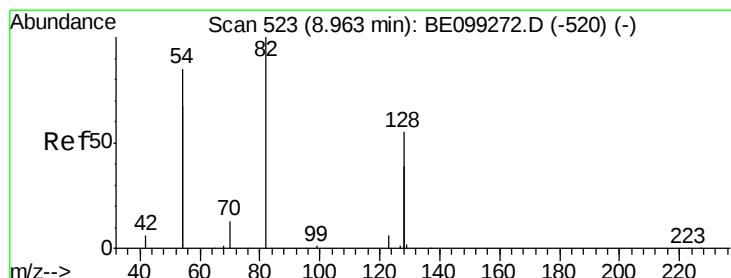
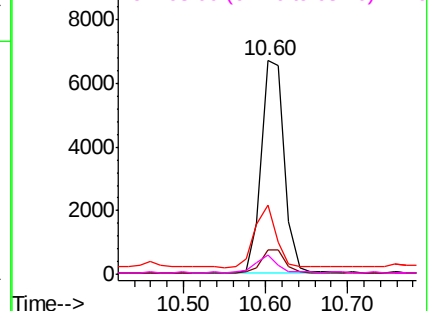
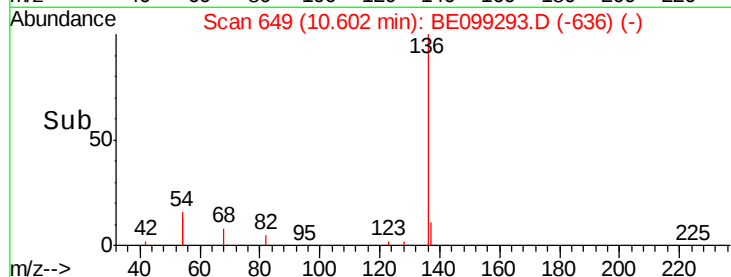
Abundance

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: 0.422 ng

RT: 8.97 min Scan# 523

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

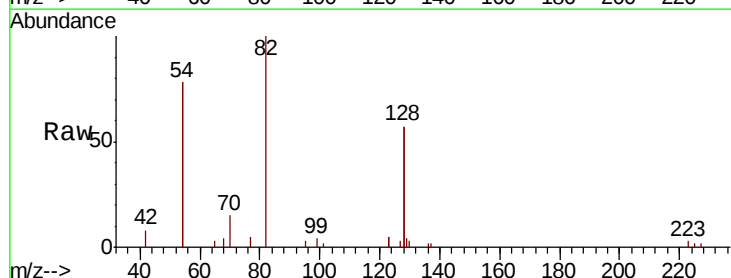
Tgt Ion: 82 Resp: 3776

Ion Ratio Lower Upper

82 100

128 113.5 107.5 161.3

54 155.2 106.3 159.5

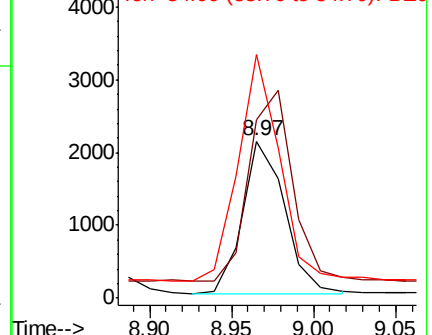
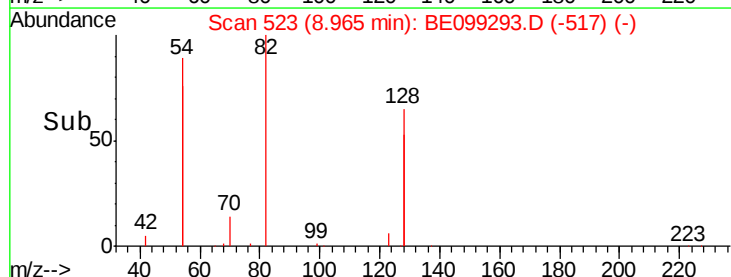


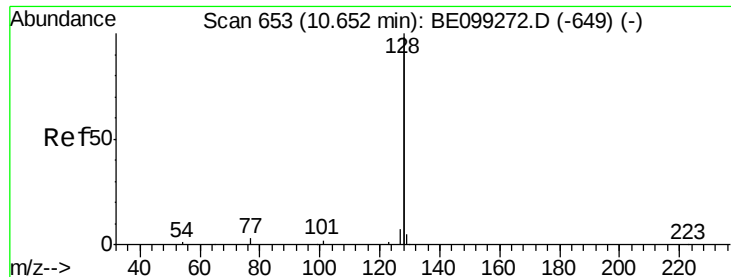
Abundance

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: 0.430 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

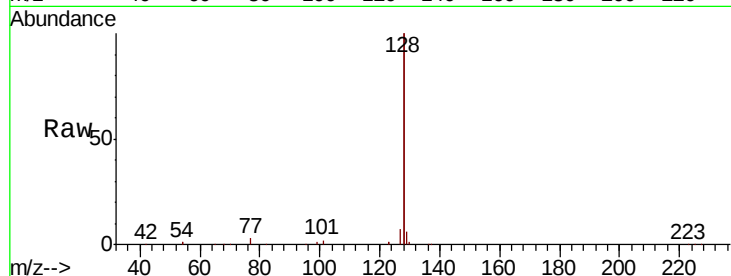
Tgt Ion:128 Resp: 60958

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

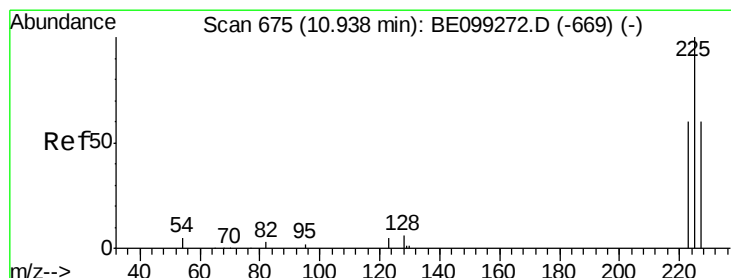
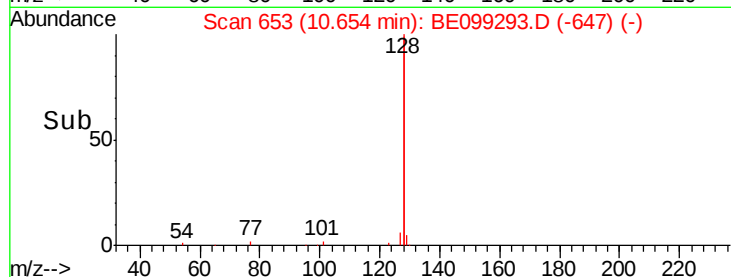
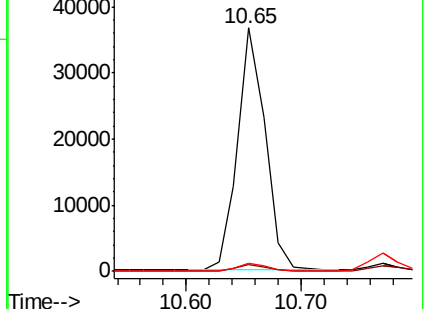
127 3.3 2.6 3.8



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: 0.423 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

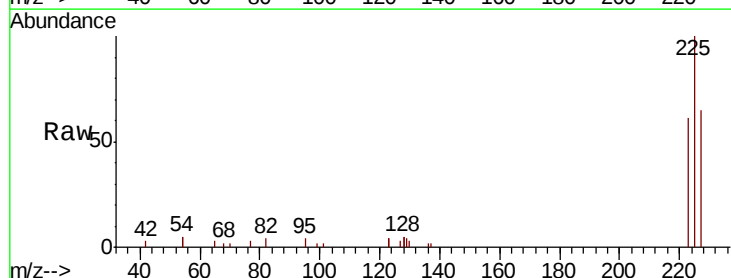
Tgt Ion:225 Resp: 3895

Ion Ratio Lower Upper

225 100

223 63.0 51.3 76.9

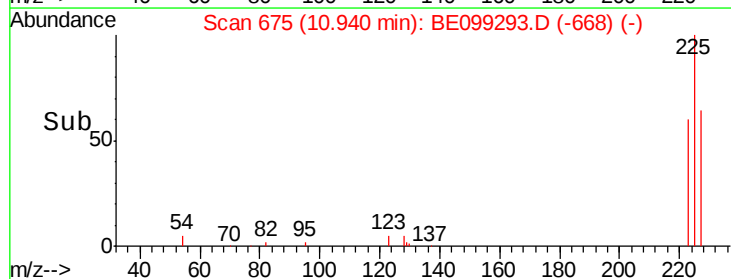
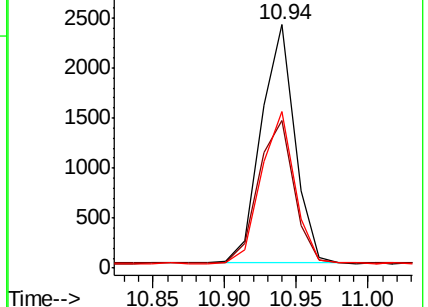
227 63.3 48.6 73.0

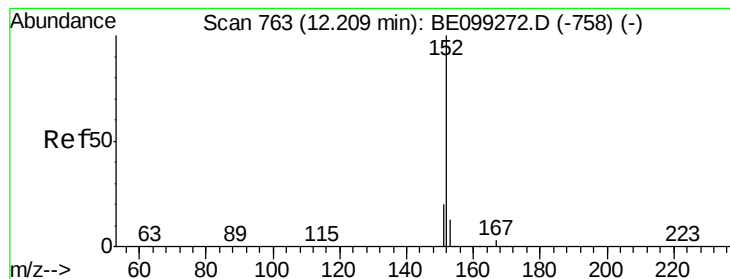


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.423 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

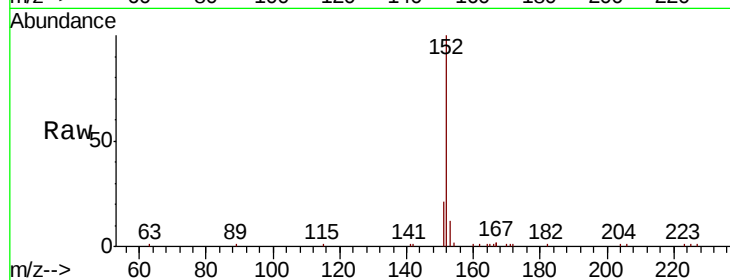
SSTDCCC0.4

Tgt Ion:152 Resp: 9614

Ion Ratio Lower Upper

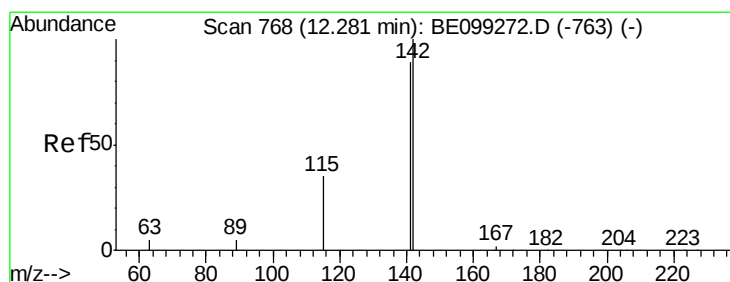
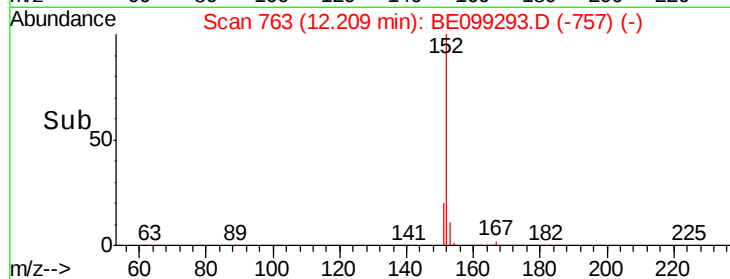
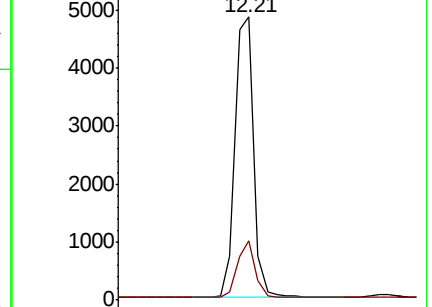
152 100

151 19.6 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.417 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

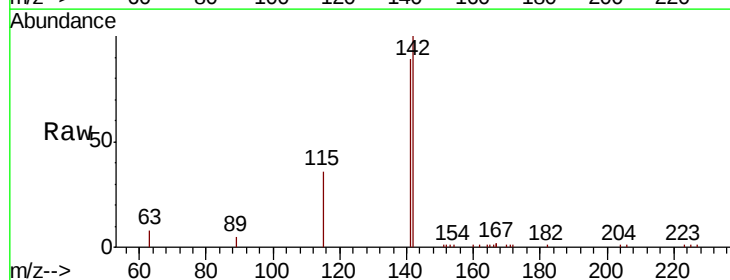
Tgt Ion:142 Resp: 10065

Ion Ratio Lower Upper

142 100

141 89.5 71.3 106.9

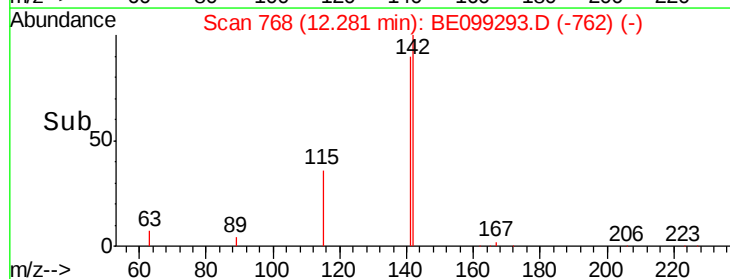
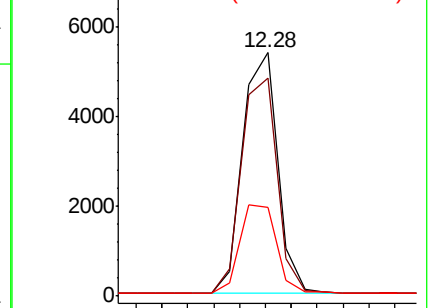
115 36.5 30.4 45.6

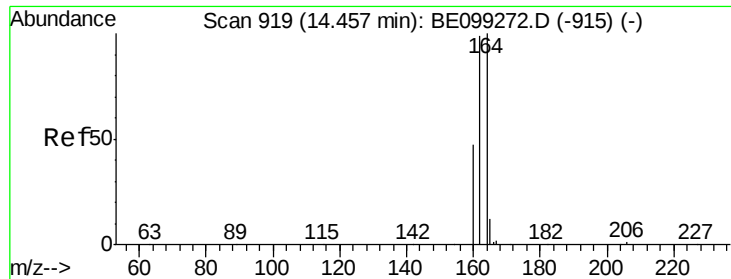


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

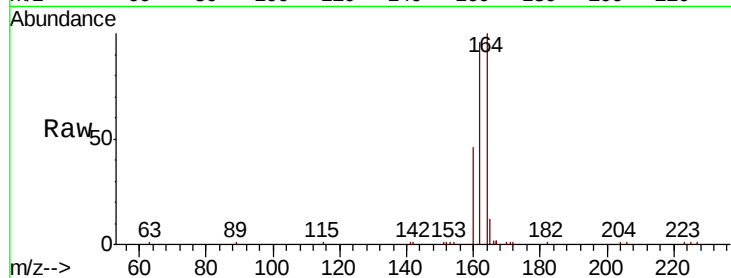




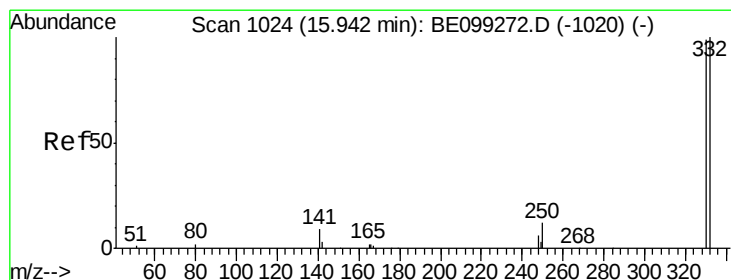
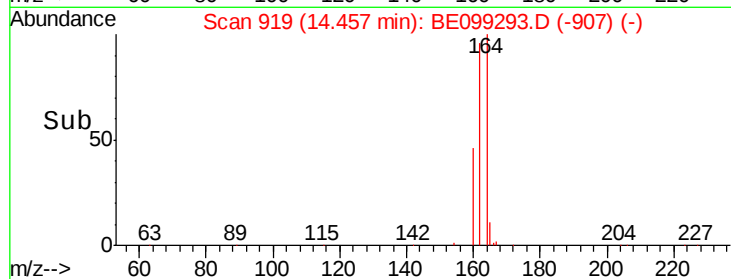
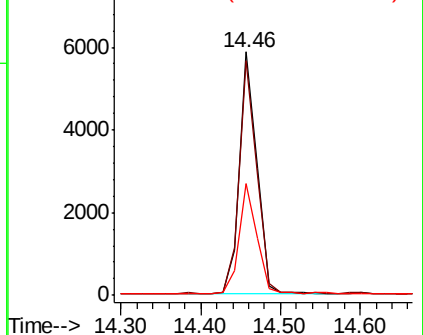
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.03 min
Lab File: BE099293.D
Acq: 4 Apr 2019 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8776
Ion Ratio Lower Upper
164 100
162 96.1 79.2 118.8
160 45.9 36.7 55.1

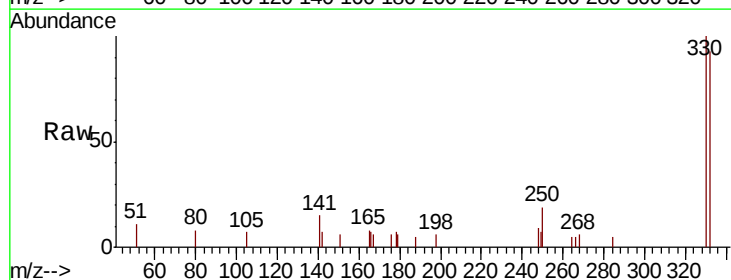


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

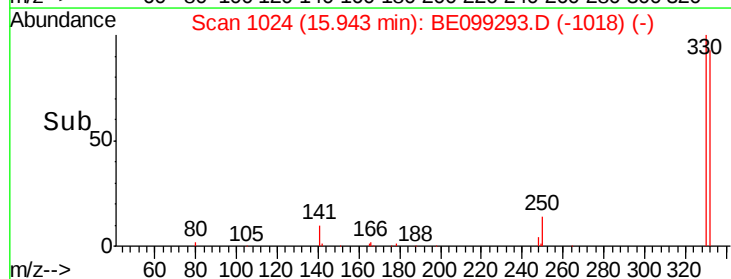
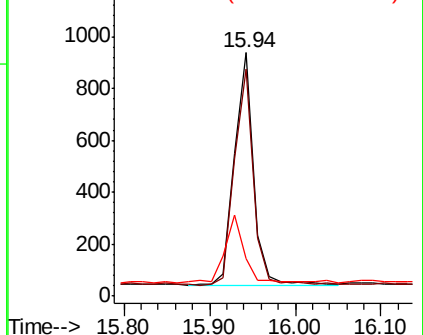


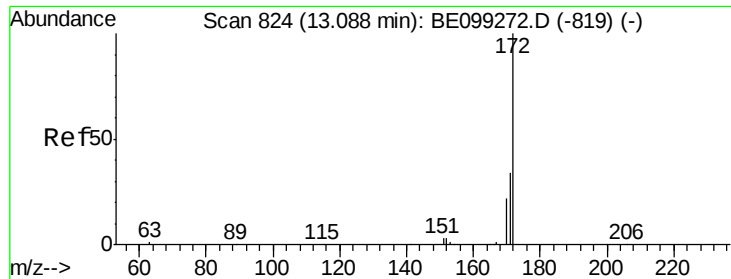
#14
2,4,6-Tribromophenol
Concen: 0.342 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE099293.D
Acq: 4 Apr 2019 16:00

Tgt Ion:330 Resp: 1384
Ion Ratio Lower Upper
330 100
332 93.1 71.3 106.9
141 29.6 21.7 32.5



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

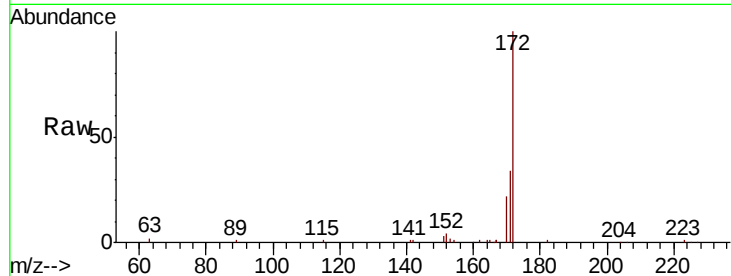




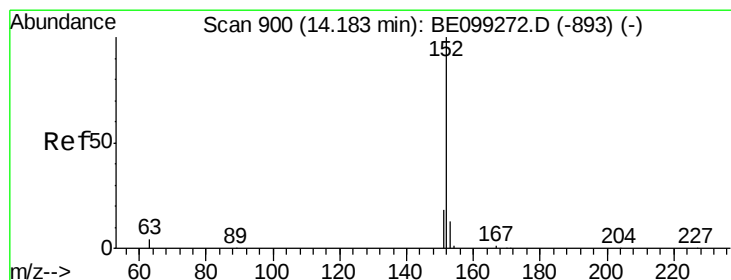
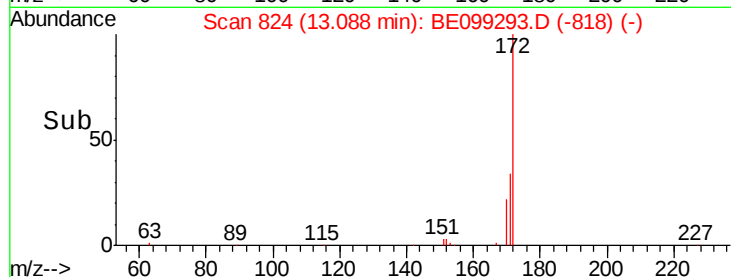
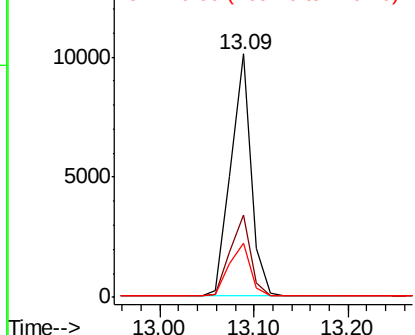
#15
2-Fluorobiphenyl
Concen: 0.440 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099293.D
Acq: 4 Apr 2019 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 15180
Ion Ratio Lower Upper
172 100
171 34.0 27.4 41.0
170 22.2 19.1 28.7

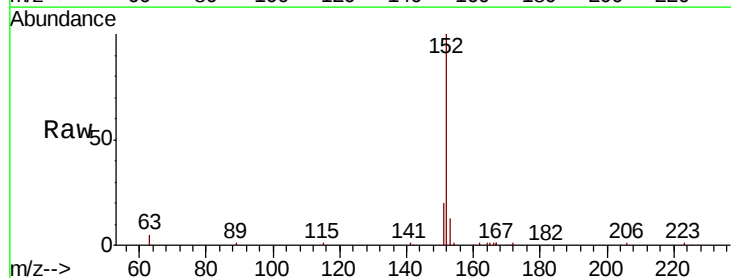


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

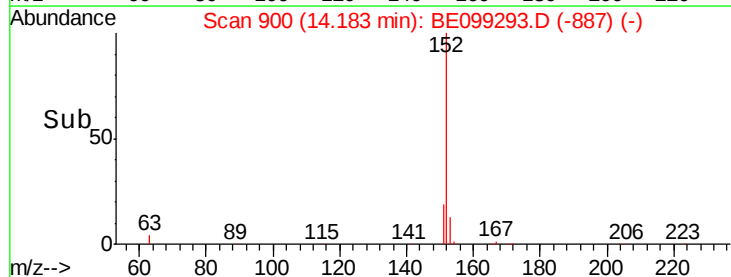
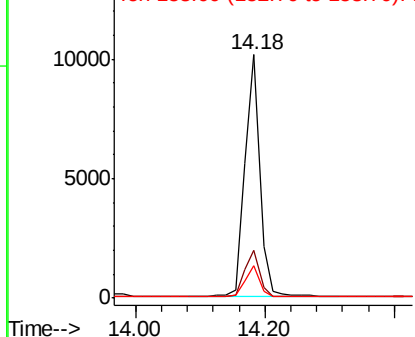


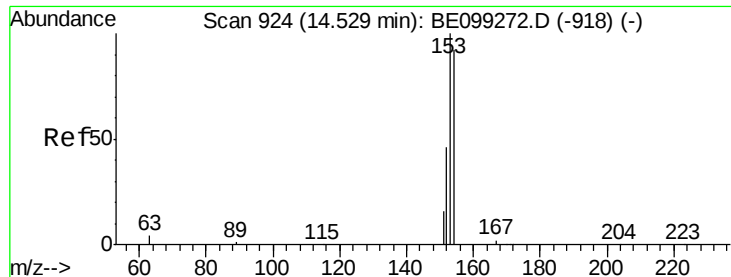
#16
Acenaphthylene
Concen: 0.391 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099293.D
Acq: 4 Apr 2019 16:00

Tgt Ion:152 Resp: 16261
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 12.8 10.6 15.8



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

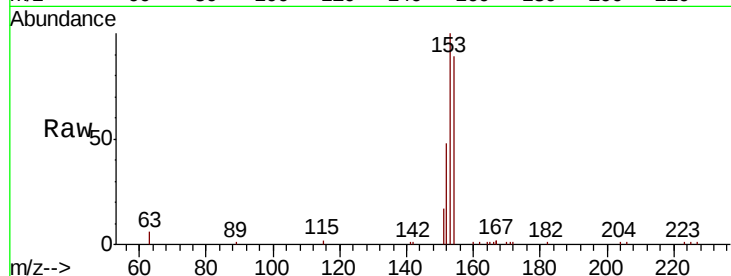




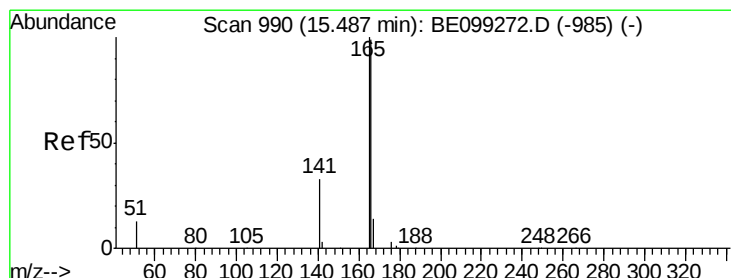
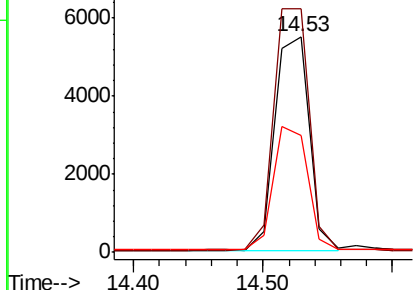
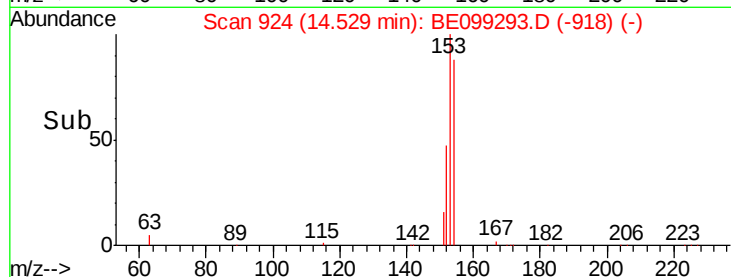
#17
Acenaphthene
Concen: 0.414 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE099293.D
Acq: 4 Apr 2019 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 10161
Ion Ratio Lower Upper
154 100
153 116.6 93.4 140.0
152 57.4 46.6 69.8

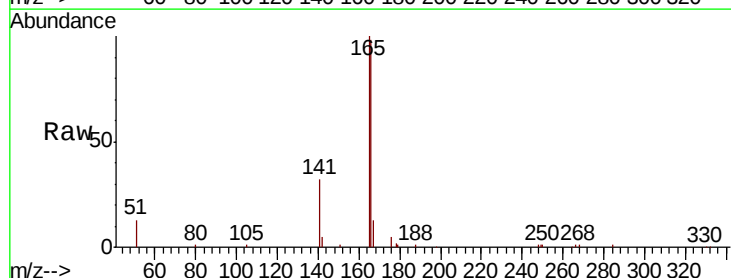


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

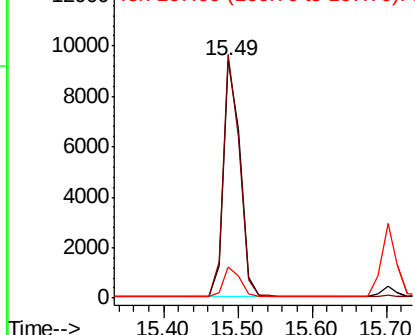
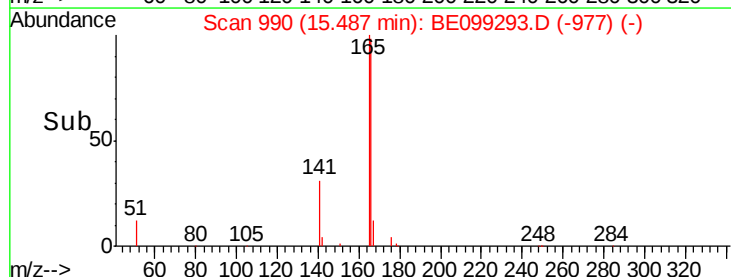


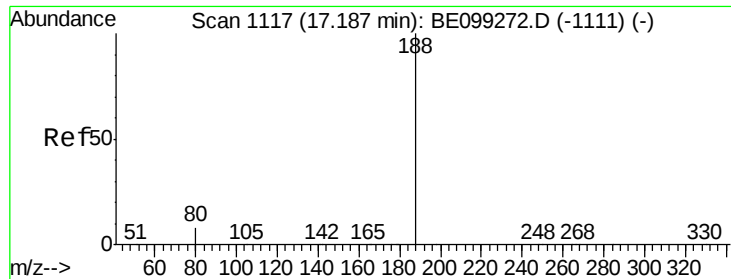
#18
Fluorene
Concen: 0.414 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.03 min
Lab File: BE099293.D
Acq: 4 Apr 2019 16:00

Tgt Ion:166 Resp: 14674
Ion Ratio Lower Upper
166 100
165 100.2 78.9 118.3
167 12.7 10.9 16.3



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: 17.19 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

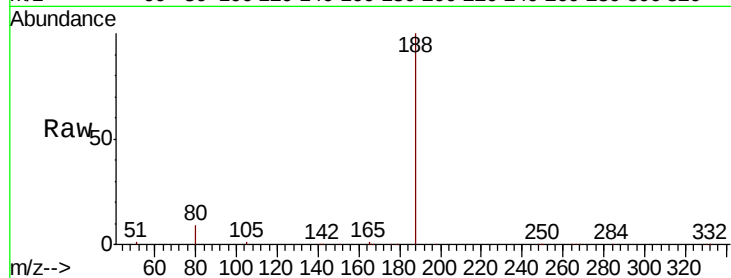
Tgt Ion:188 Resp: 25106

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

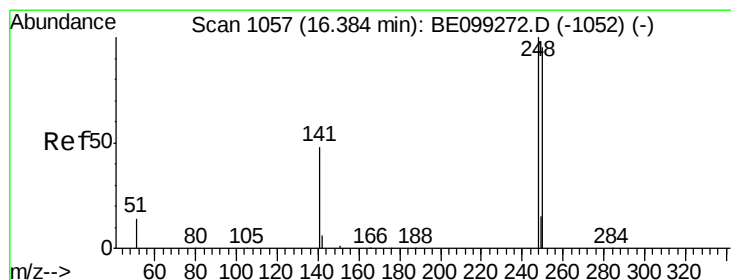
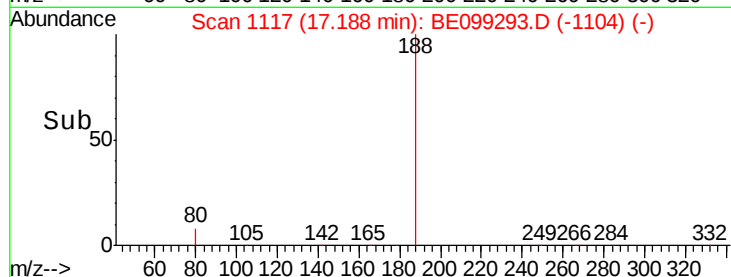
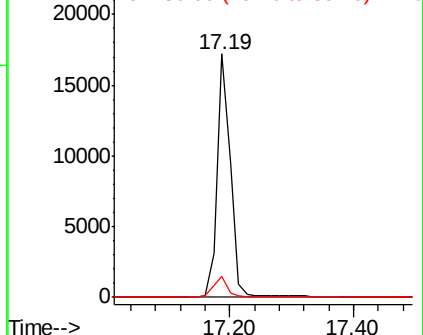
80 8.6 4.5 6.7#



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: 0.423 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

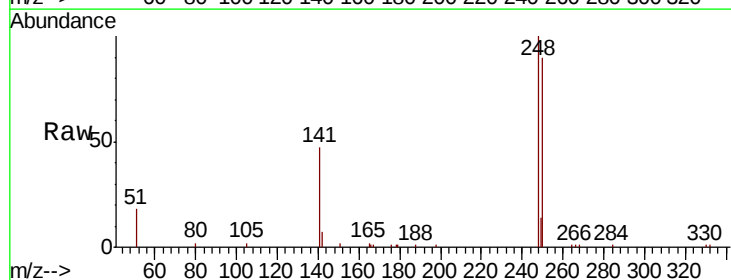
Tgt Ion:248 Resp: 6033

Ion Ratio Lower Upper

248 100

250 89.8 84.2 126.2

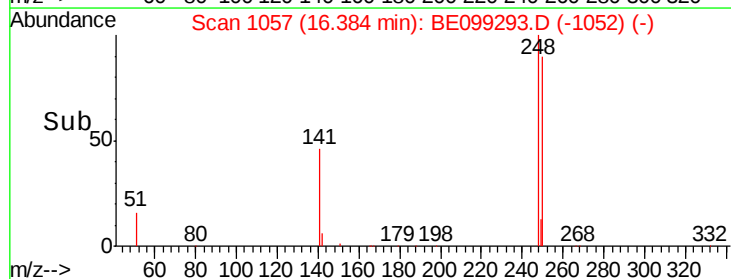
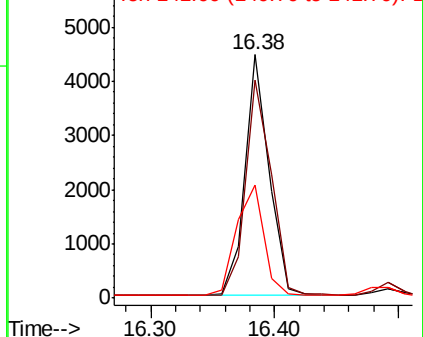
141 46.6 21.8 32.6#

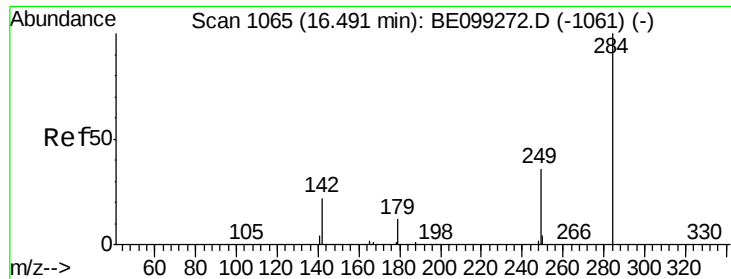


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

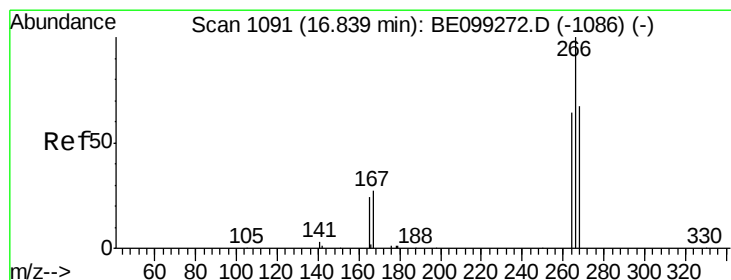
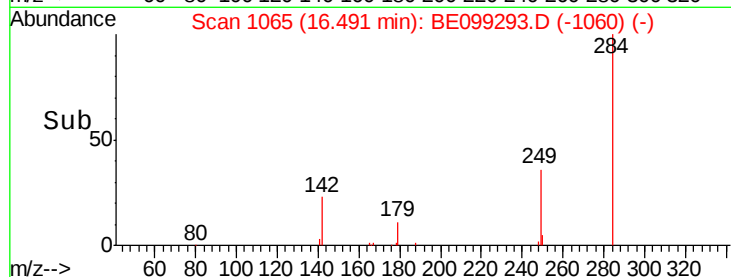
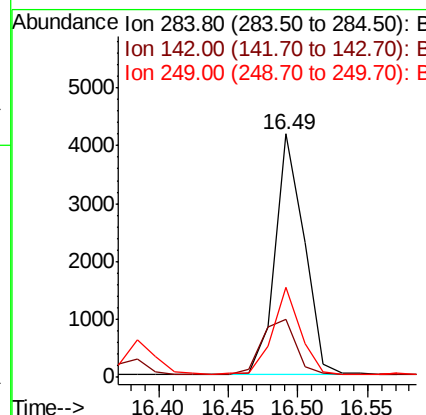
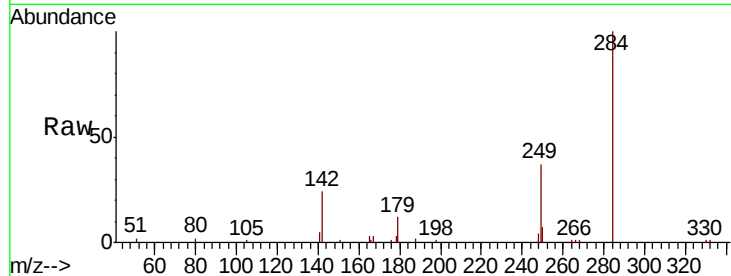




#21
Hexachlorobenzene
Concen: 0.442 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099293.D
Acq: 4 Apr 2019 16:00

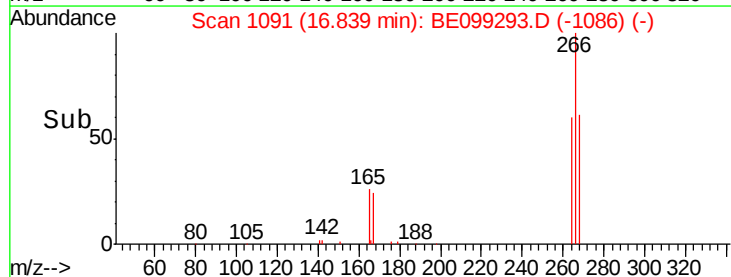
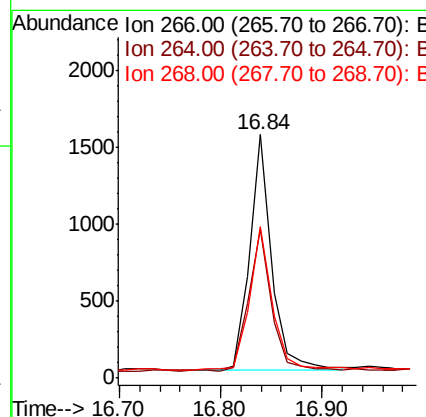
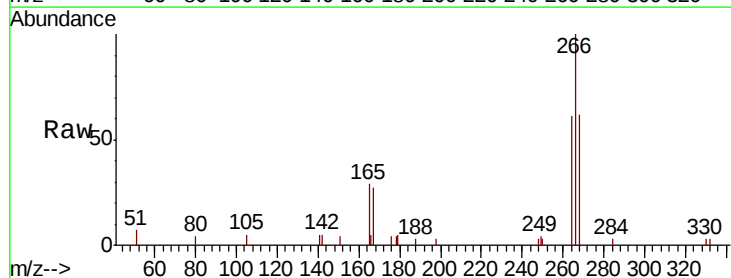
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

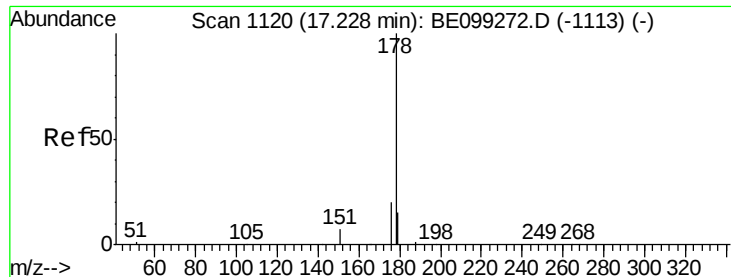
Tgt Ion: 284 Resp: 5999
Ion Ratio Lower Upper
284 100
142 27.4 22.7 34.1
249 34.3 26.9 40.3



#22
Pentachlorophenol
Concen: 0.409 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.03 min
Lab File: BE099293.D
Acq: 4 Apr 2019 16:00

Tgt Ion: 266 Resp: 2305
Ion Ratio Lower Upper
266 100
264 61.0 54.4 81.6
268 62.0 61.3 91.9





#23

Phenanthrene

Concen: 0.429 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

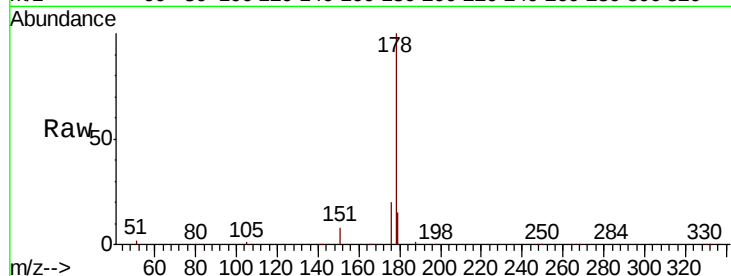
Tgt Ion:178 Resp: 27864

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

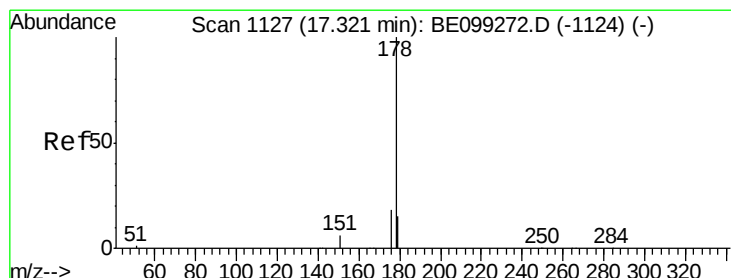
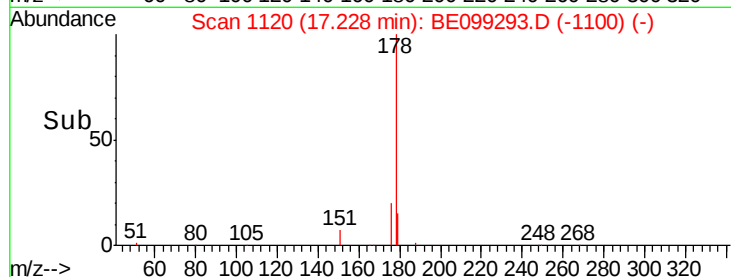
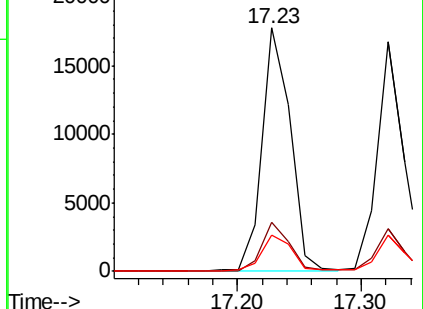
179 15.4 12.3 18.5



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



#24

Anthracene

Concen: 0.397 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

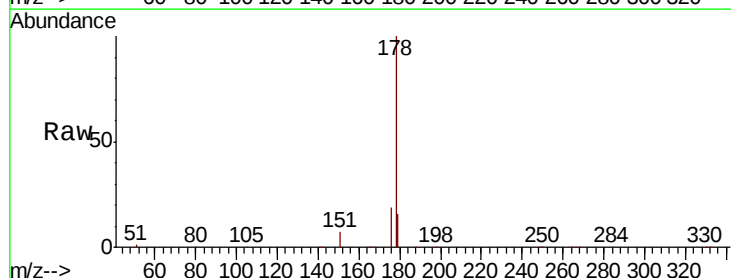
Tgt Ion:178 Resp: 24308

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

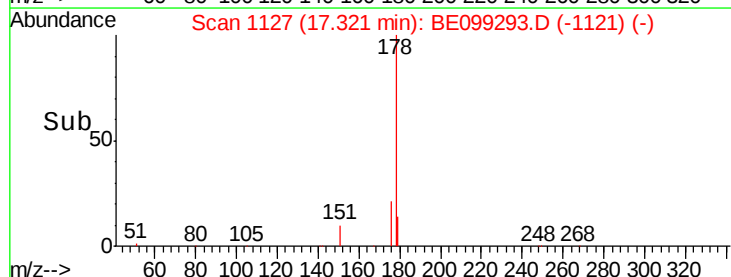
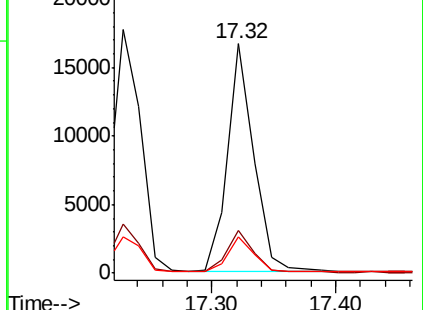
179 15.1 12.4 18.6

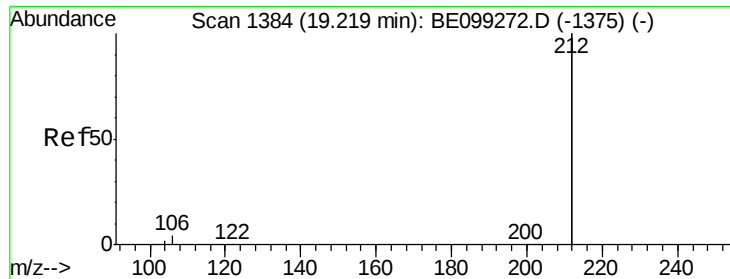


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.402 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

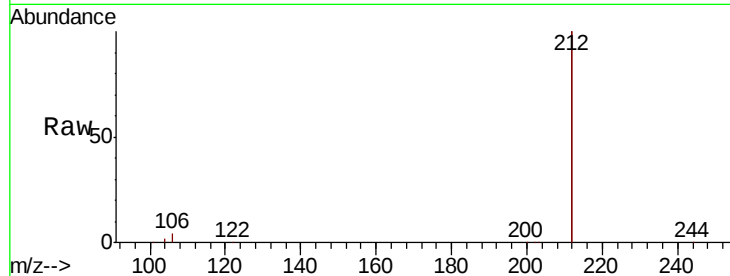
Tgt Ion:212 Resp: 133229

Ion Ratio Lower Upper

212 100

106 2.2 1.8 2.8

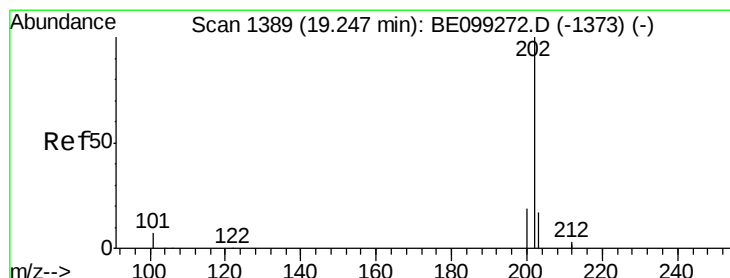
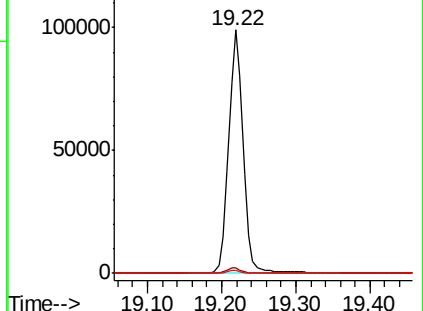
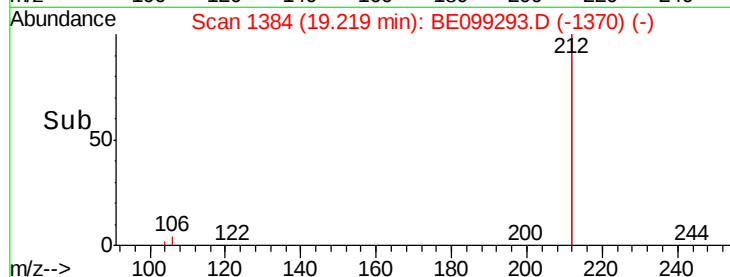
104 1.2 1.1 1.7



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: 0.412 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

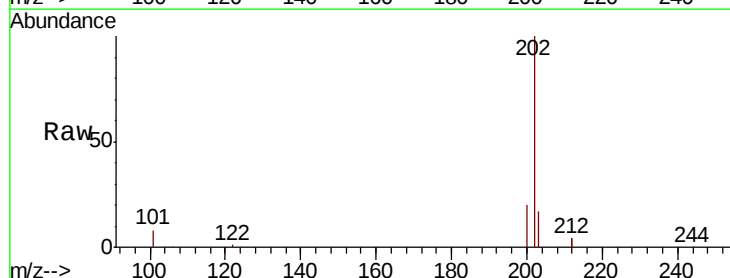
Tgt Ion:202 Resp: 39459

Ion Ratio Lower Upper

202 100

101 7.7 7.0 10.4

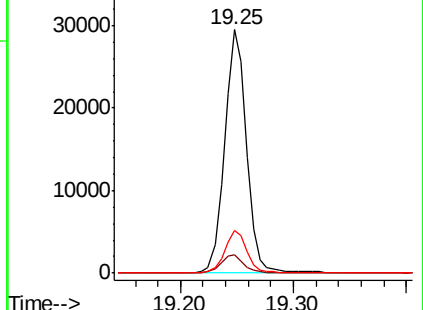
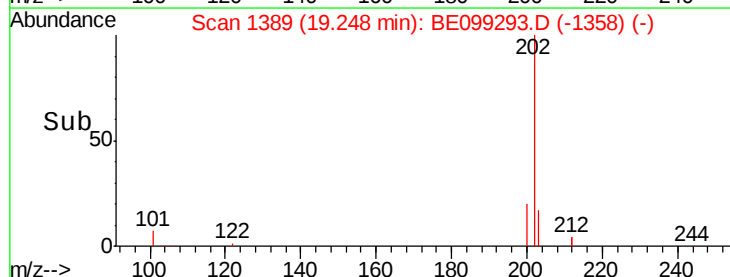
203 17.2 13.8 20.6

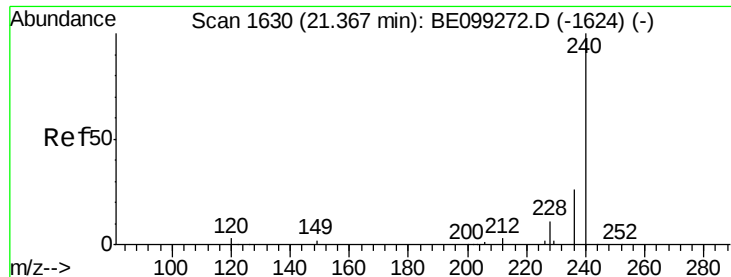


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.37 min Scan# 1630

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

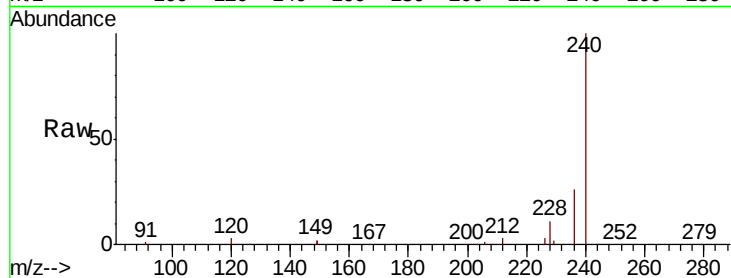
Tgt Ion:240 Resp: 37188

Ion Ratio Lower Upper

240 100

120 3.1 2.6 3.8

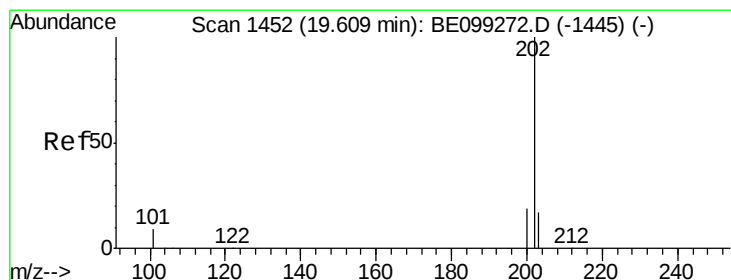
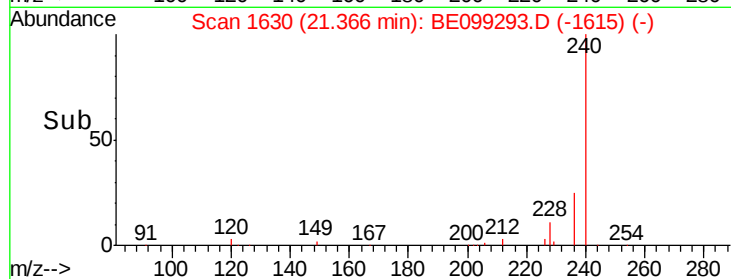
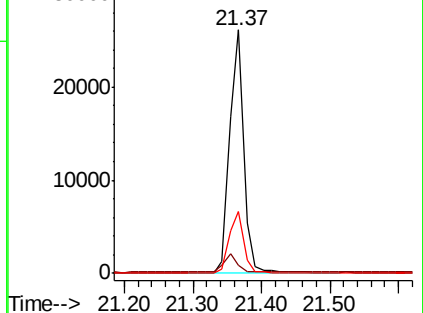
236 25.5 20.9 31.3



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: 0.414 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

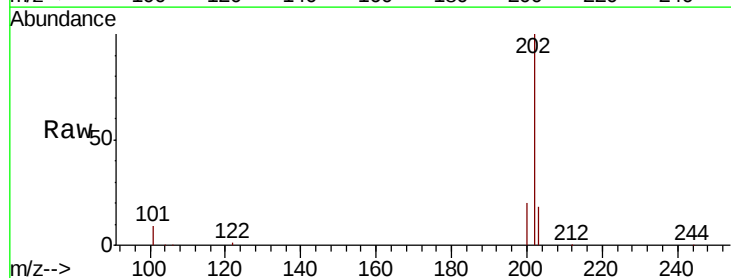
Tgt Ion:202 Resp: 40621

Ion Ratio Lower Upper

202 100

200 19.8 15.8 23.8

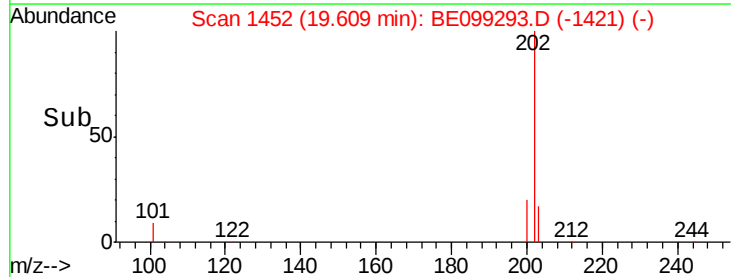
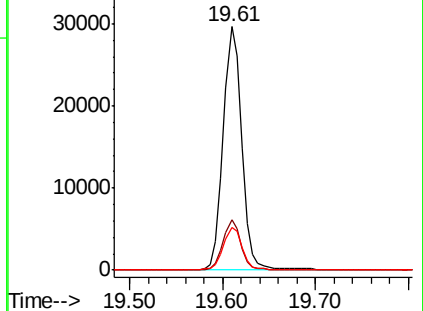
203 17.5 14.1 21.1

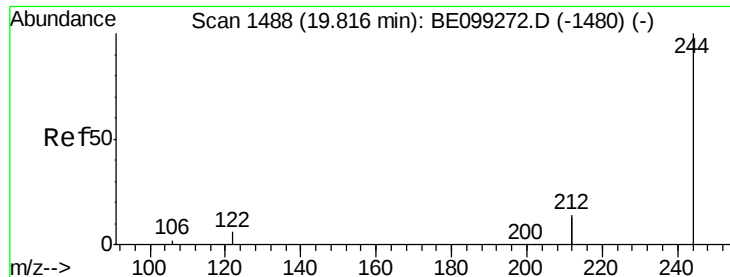


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.421 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

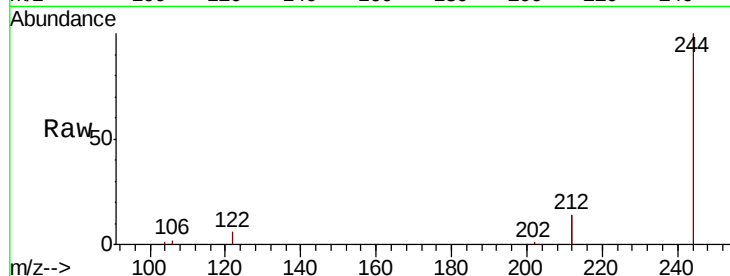
Tgt Ion:244 Resp: 28575

Ion Ratio Lower Upper

244 100

212 28.0 22.7 34.1

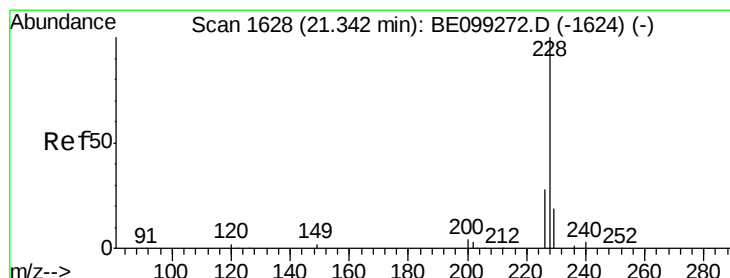
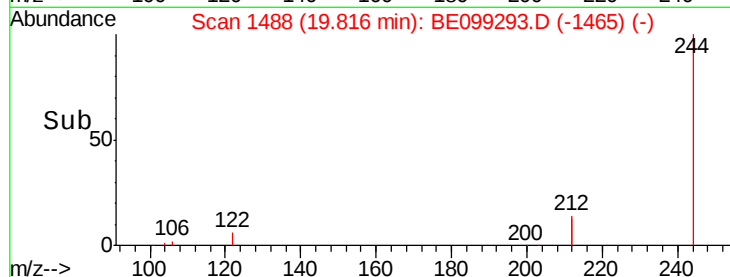
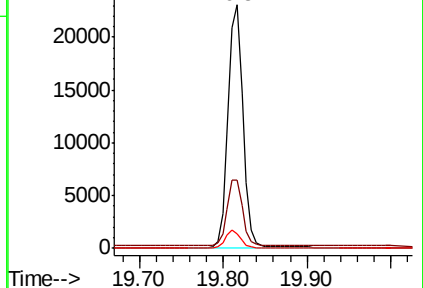
122 6.1 5.8 8.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.400 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

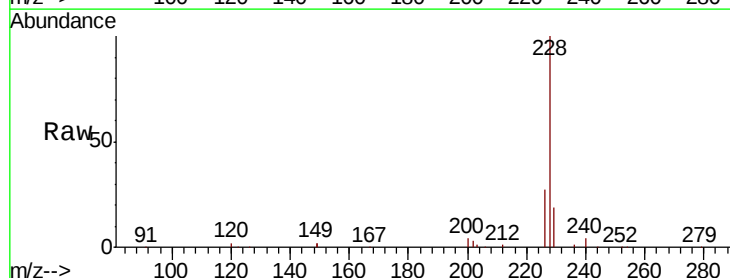
Tgt Ion:228 Resp: 46792

Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

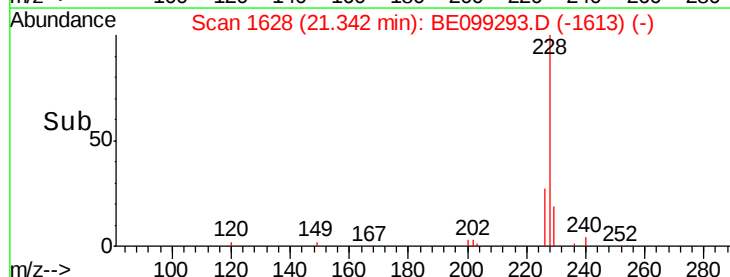
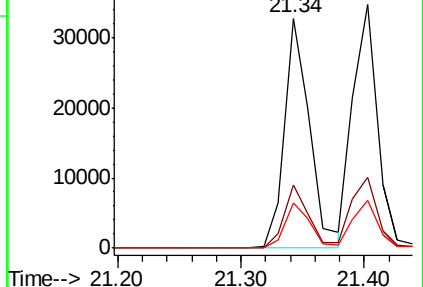
229 19.5 15.9 23.9

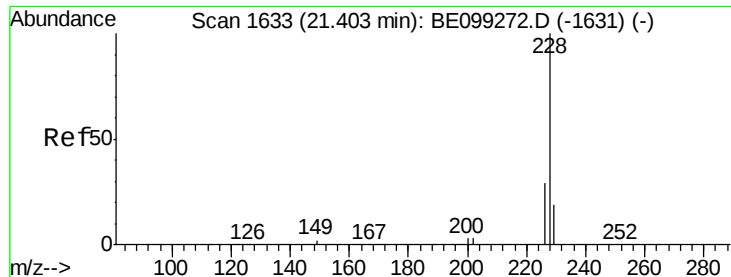


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.418 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

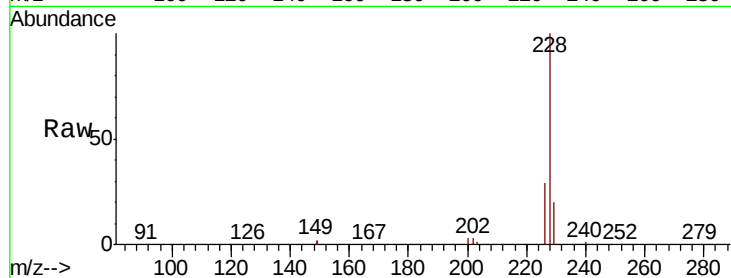
Tgt Ion:228 Resp: 47979

Ion Ratio Lower Upper

228 100

226 29.2 24.8 37.2

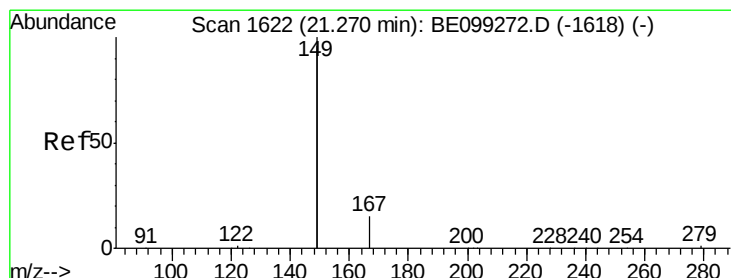
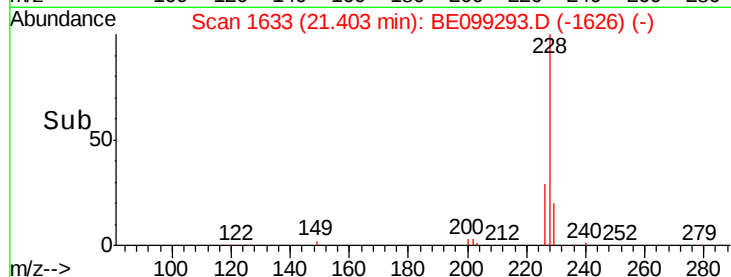
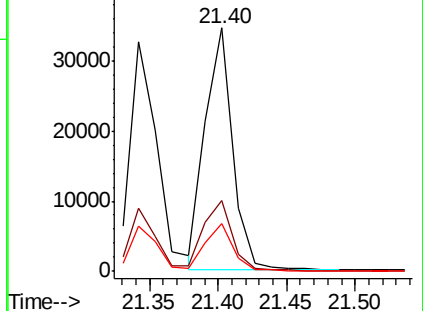
229 19.9 15.4 23.0



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: 0.260 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

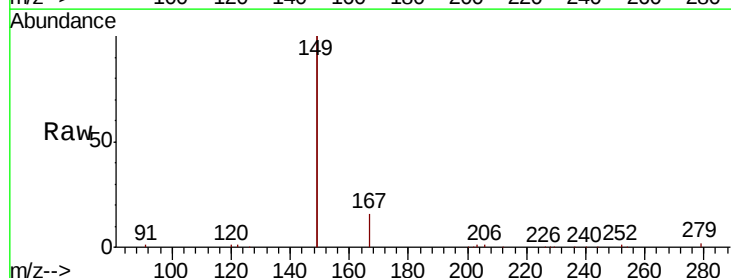
Tgt Ion:149 Resp: 38823

Ion Ratio Lower Upper

149 100

167 7.3 5.9 8.9

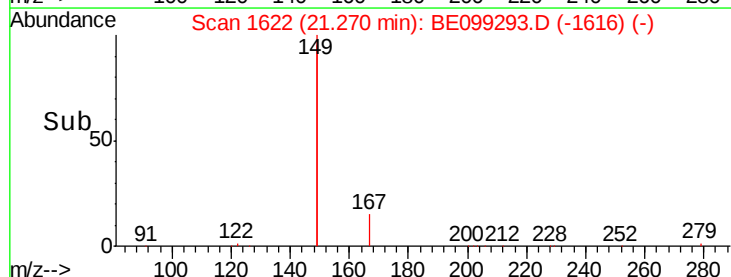
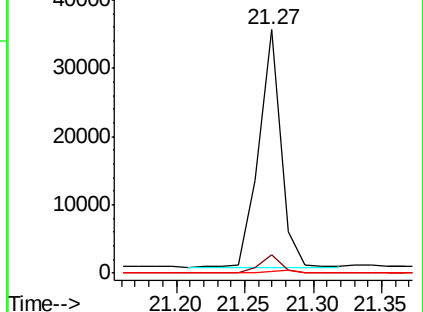
279 1.2 1.0 1.6

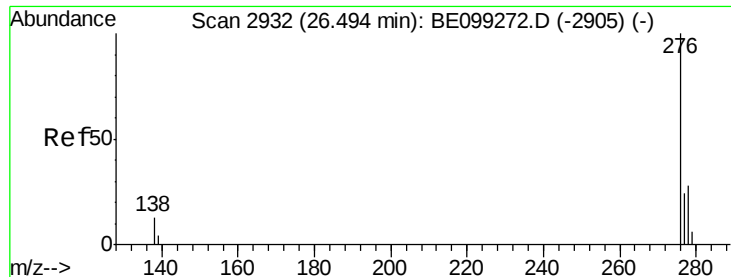


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

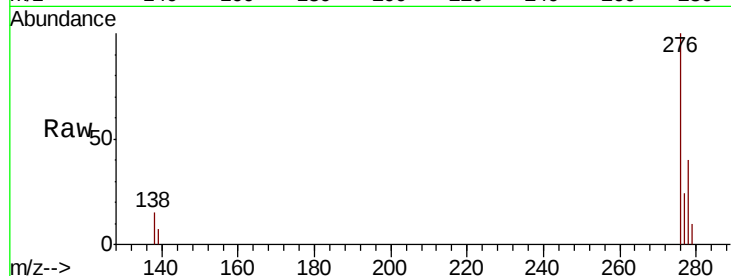




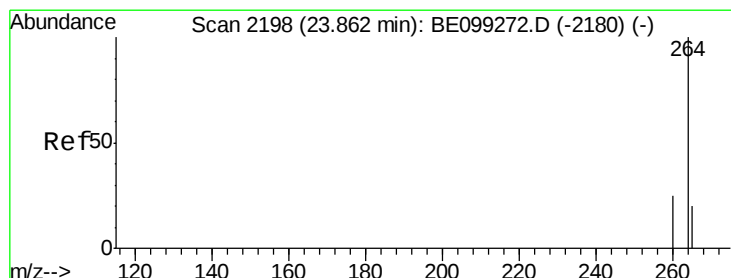
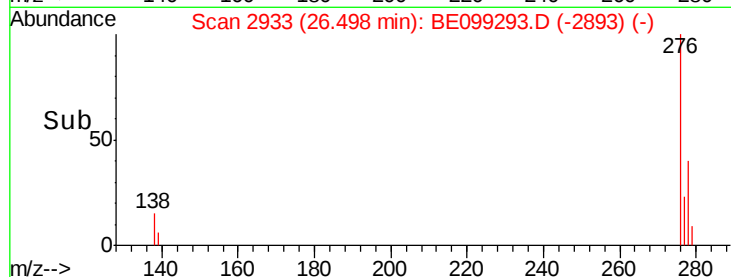
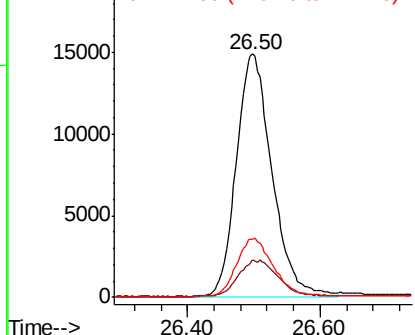
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.422 ng
 RT: 26.50 min Scan# 2933
 Delta R.T. -0.06 min
 Lab File: BE099293.D
 Acq: 4 Apr 2019 16:00

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion:276 Resp: 55322
 Ion Ratio Lower Upper
 276 100
 138 16.5 12.9 19.3
 277 24.3 18.3 27.5

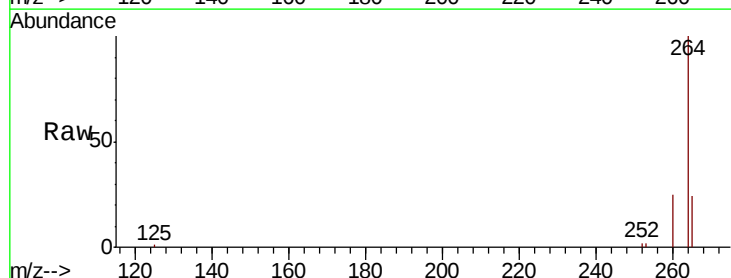


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

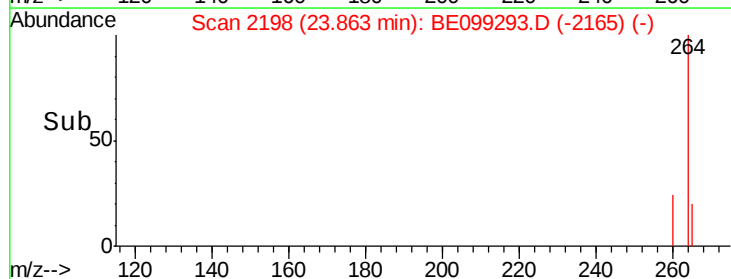
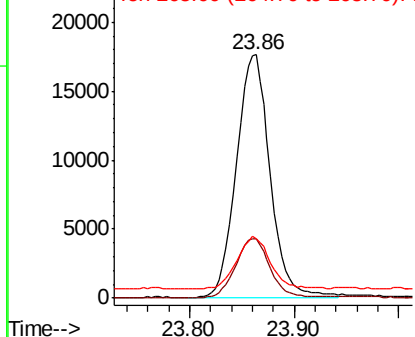


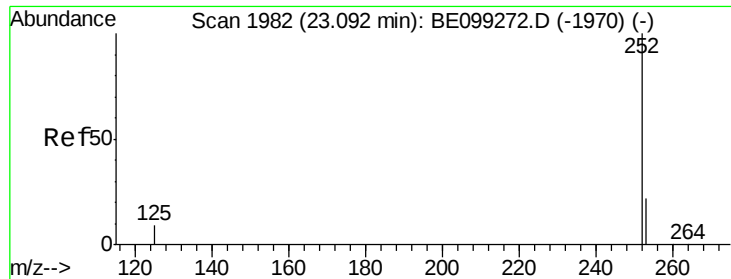
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.03 min
 Lab File: BE099293.D
 Acq: 4 Apr 2019 16:00

Tgt Ion:264 Resp: 39063
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.2 27.2
 265 24.4 21.8 32.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.426 ng

RT: 23.14 min Scan# 1995

Delta R.T. 0.02 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

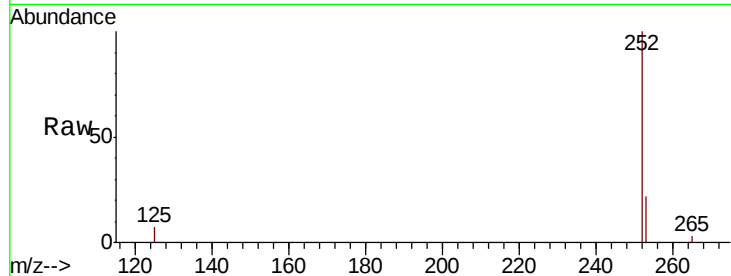
Tgt Ion:252 Resp: 49622

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

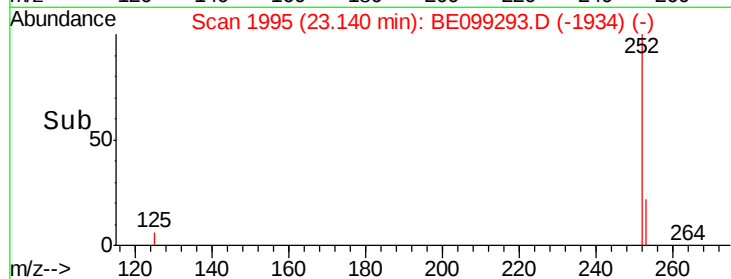
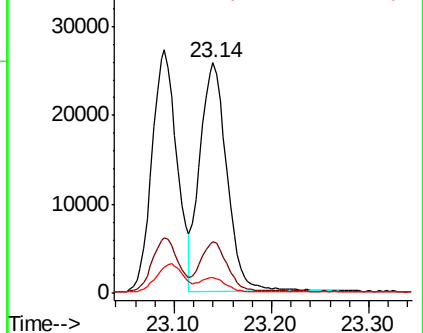
125 6.7 6.1 9.1



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: 0.437 ng

RT: 23.14 min Scan# 1995

Delta R.T. -0.03 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

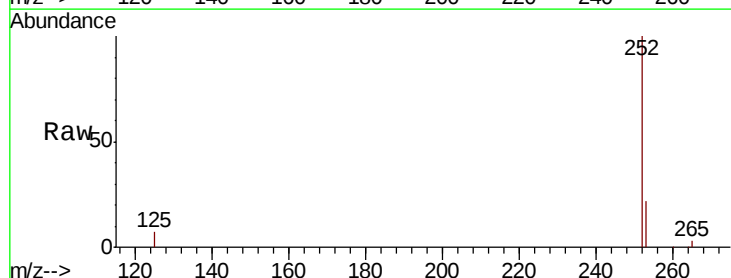
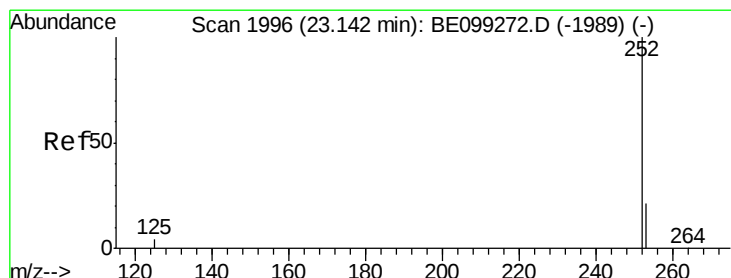
Tgt Ion:252 Resp: 49622

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

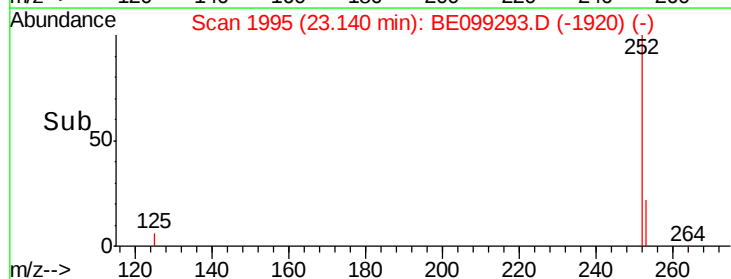
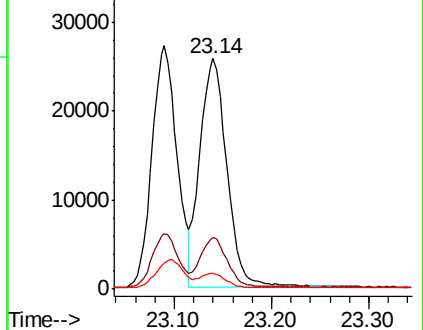
125 6.7 5.9 8.9

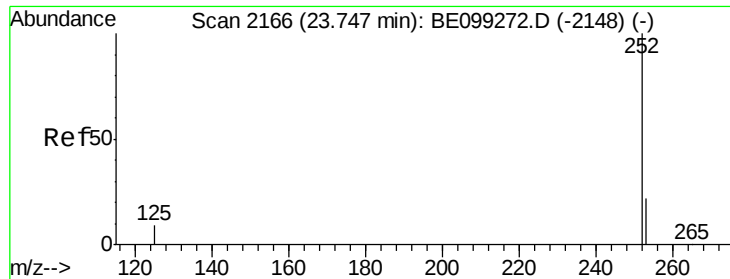


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.408 ng

RT: 23.75 min Scan# 2165

Delta R.T. -0.03 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

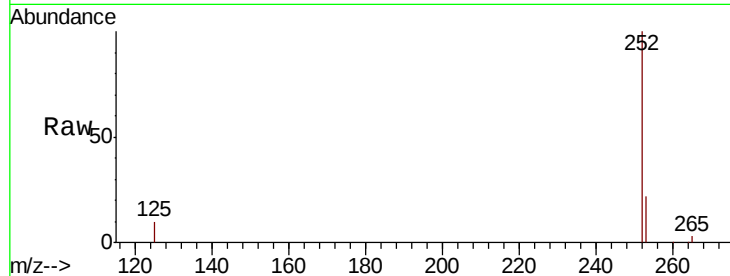
Tgt Ion: 252 Resp: 44680

Ion Ratio Lower Upper

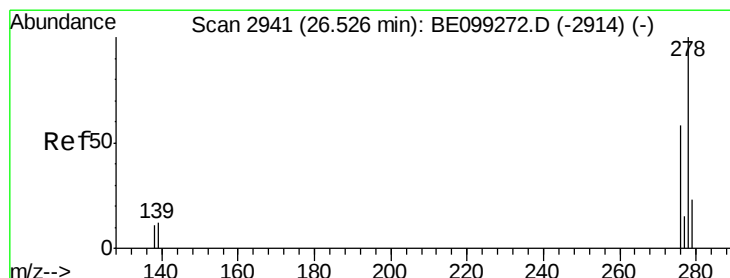
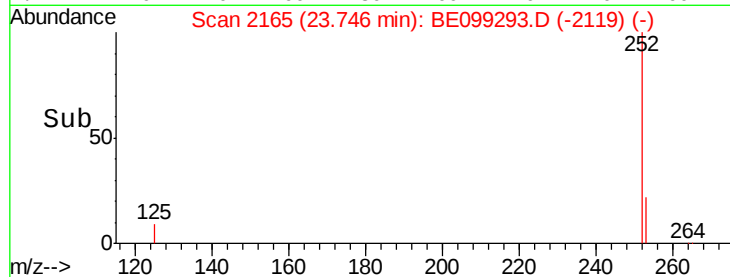
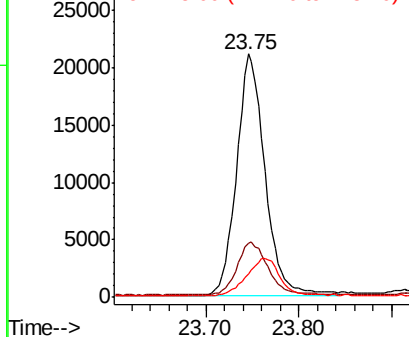
252 100

253 22.4 18.1 27.1

125 9.6 6.8 10.2



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



#38

Dibenzo(a,h)anthracene

Concen: 0.427 ng

RT: 26.52 min Scan# 2940

Delta R.T. -0.07 min

Lab File: BE099293.D

Acq: 4 Apr 2019 16:00

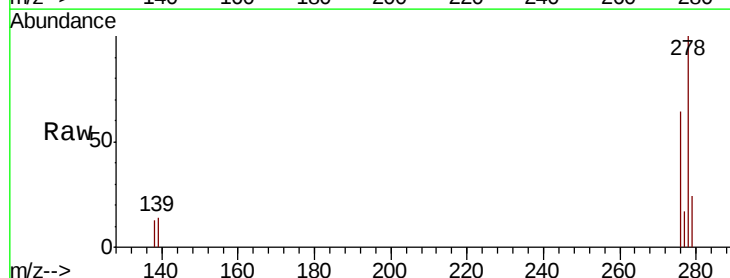
Tgt Ion: 278 Resp: 46506

Ion Ratio Lower Upper

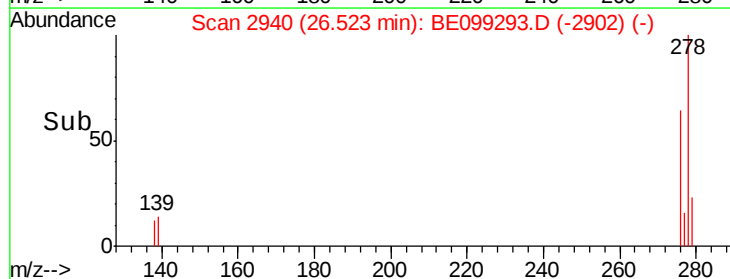
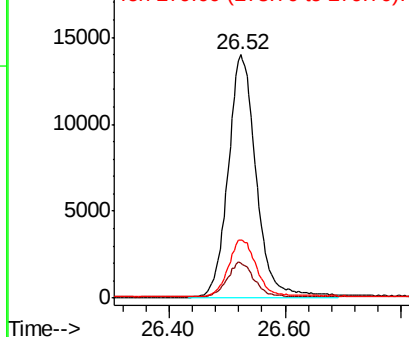
278 100

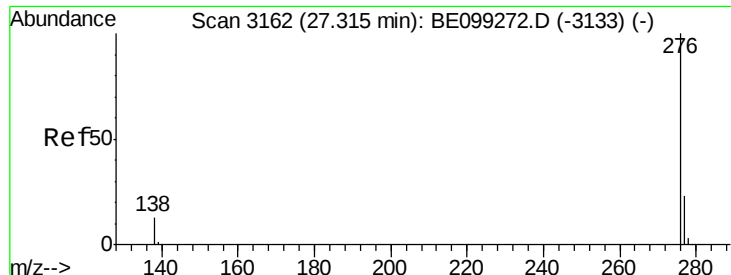
139 14.2 9.5 14.3

279 23.7 19.1 28.7



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: 0.417 ng

RT: 27.31 min Scan# 3161

Delta R.T. -0.07 min

Lab File: BE099293.D

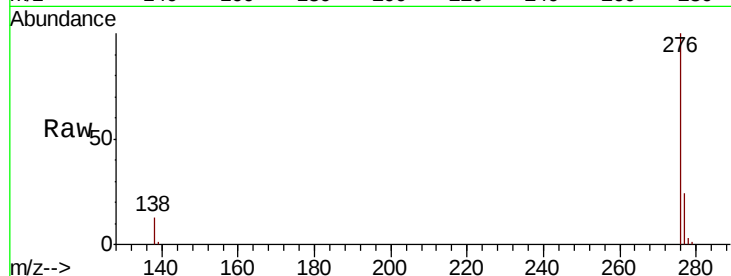
Acq: 4 Apr 2019 16:00

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4



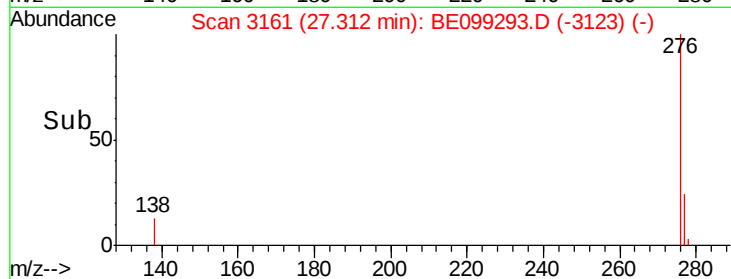
Tgt Ion: 276 Resp: 45248

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 13.1 11.1 16.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

