

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099503.D
 Acq On : 2 May 2019 21:08
 Operator : JU/SJ
 Sample : K2589-03MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B196-042519MSD

Quant Time: May 03 02:11:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	2137	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7460	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5190	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	16987	0.40	ng	0.00
27) Chrysene-d12	21.37	240	25246	0.40	ng	0.00
34) Perylene-d12	23.87	264	29277	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	1636	0.28	ng	0.00
5) Phenol-d6	6.96	99	2426	0.31	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1945	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4109	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1025	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	4752	0.24	ng	-0.02
25) Fluoranthene-d10	19.22	212	57773	0.25	ng	0.00
29) Terphenyl-d14	19.82	244	12901	0.28	ng	0.00

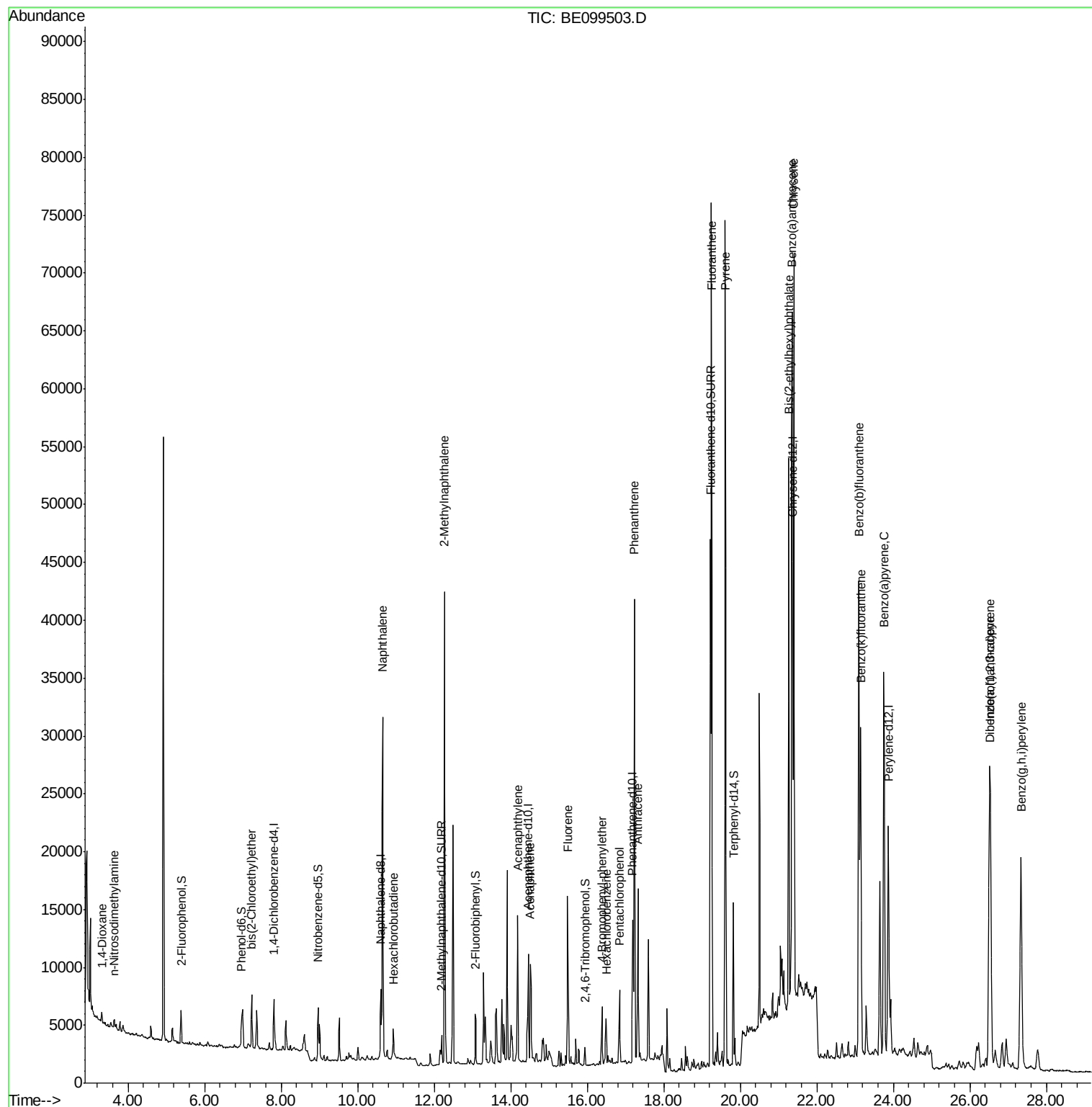
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	758	0.258	ng	# 85
3) n-Nitrosodimethylamine	3.62	42	491	0.277	ng	# 76
6) bis(2-Chloroethyl)ether	7.23	93	1844	0.272	ng	95
9) Naphthalene	10.65	128	48188	0.593	ng	100
10) Hexachlorobutadiene	10.93	225	1416	0.250	ng	99
12) 2-Methylnaphthalene	12.27	142	28094	1.987	ng	95
16) Acenaphthylene	14.18	152	15675	0.617	ng	98
17) Acenaphthene	14.51	154	4753	0.328	ng	98
18) Fluorene	15.49	166	9717	0.454	ng	96
20) 4-Bromophenyl-phenylether	16.39	248	2494	0.252	ng	96
21) Hexachlorobenzene	16.49	284	2454	0.260	ng	98
22) Pentachlorophenol	16.84	266	3169	0.775	ng	99
23) Phenanthrene	17.23	178	40911	0.933	ng	99
24) Anthracene	17.32	178	15337	0.367	ng	98
26) Fluoranthene	19.25	202	69801	1.063	ng	100
28) Pyrene	19.61	202	69947	1.063	ng	97
30) Benzo(a)anthracene	21.35	228	57469	0.714	ng	96
31) Chrysene	21.40	228	53589	0.681	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	53861	0.403	ng	99
33) Indeno(1,2,3-cd)pyrene	26.52	276	49538	0.532	ng	99
35) Benzo(b)fluoranthene	23.10	252	62619	0.742	ng	# 94
36) Benzo(k)fluoranthene	23.15	252	40173	0.493	ng	# 95
37) Benzo(a)pyrene	23.76	252	52368	0.656	ng	# 98
38) Dibenzo(a,h)anthracene	26.54	278	28115	0.344	ng	98
39) Benzo(g,h,i)perylene	27.34	276	46116	0.564	ng	99

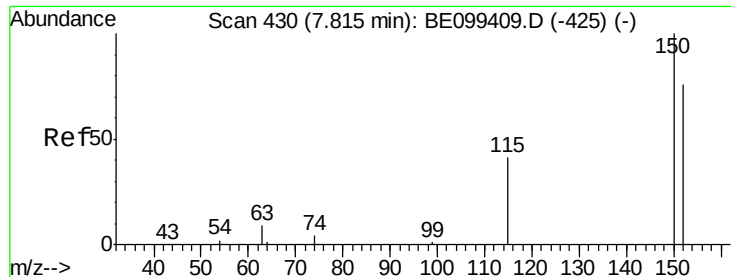
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

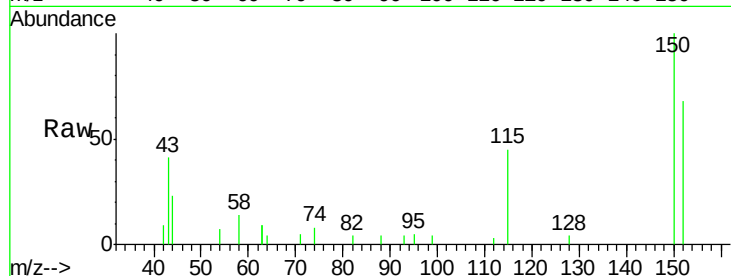
Tot Ion:152 Resp: 2137

Ion Ratio Lower Upper

152 100

150 147.1 104.8 157.2

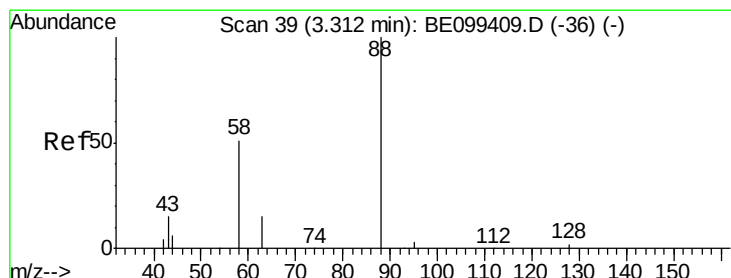
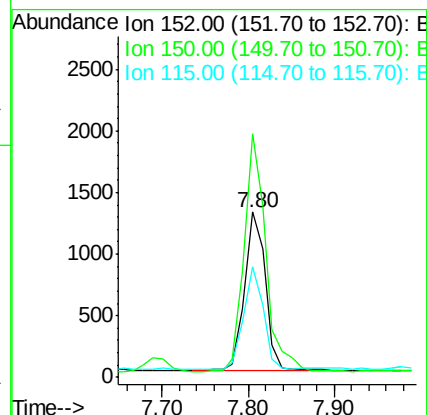
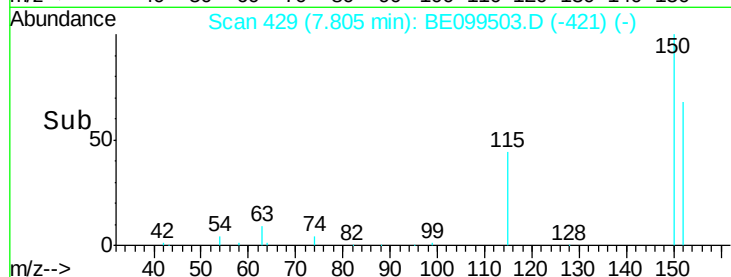
115 66.4 46.6 69.8



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: 0.258 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

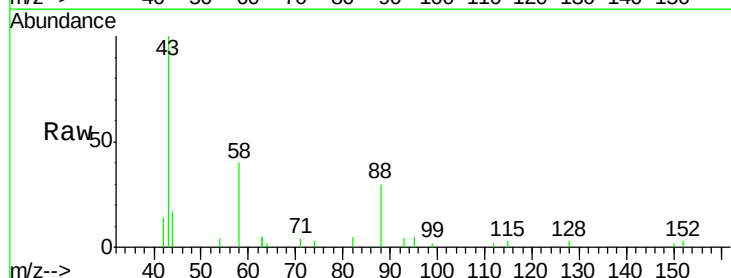
Tgt Ion: 88 Resp: 758

Ion Ratio Lower Upper

88 100

58 63.3 51.0 76.6

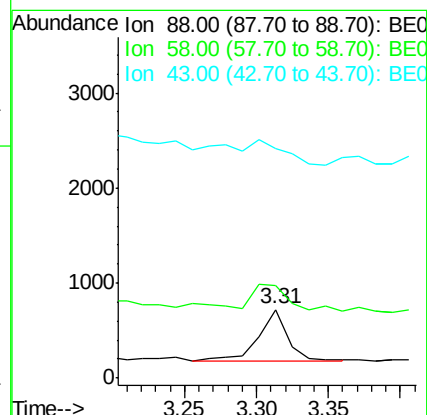
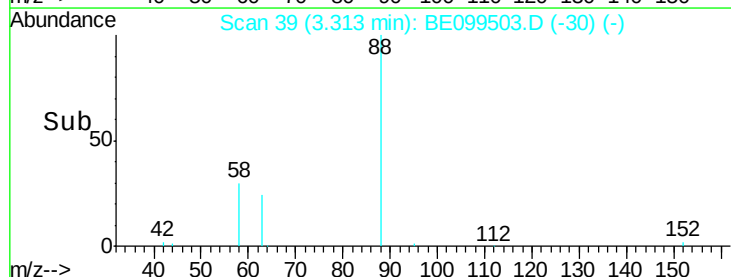
43 0.0 20.6 30.8#

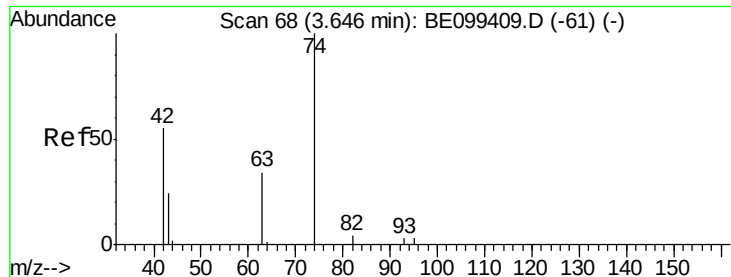


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



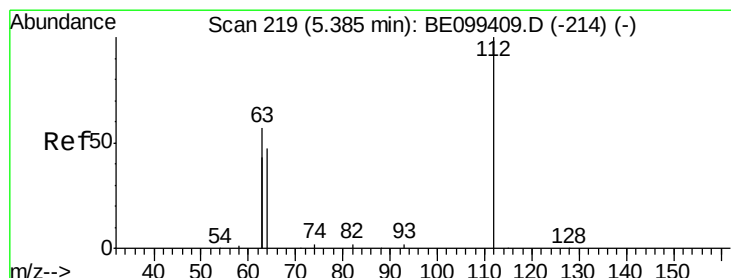
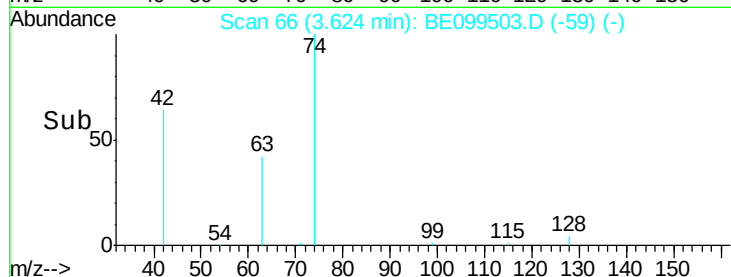
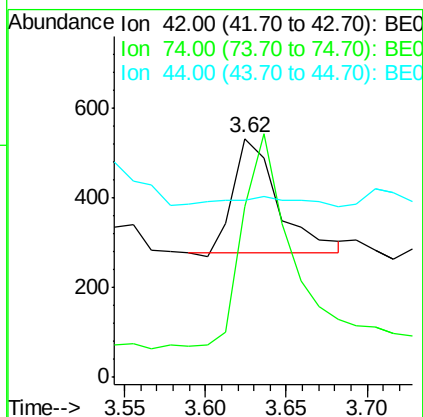
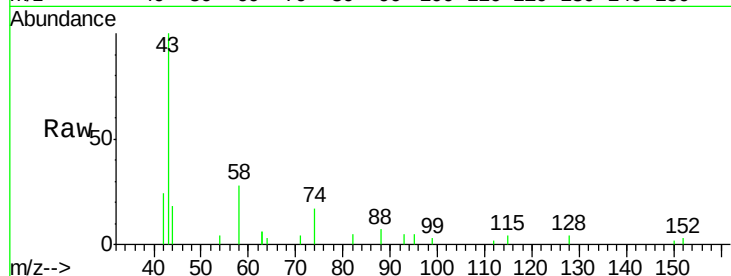


#3

n-Nitrosodimethylamine
Concen: 0.277 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.02 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519MSD

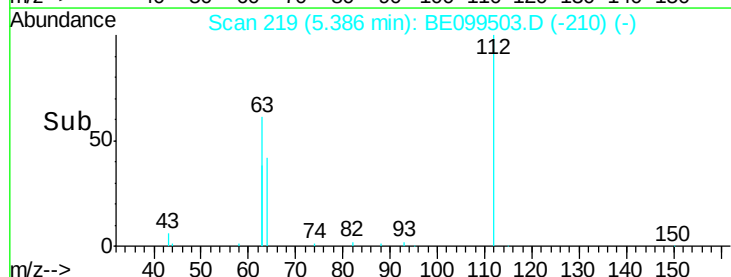
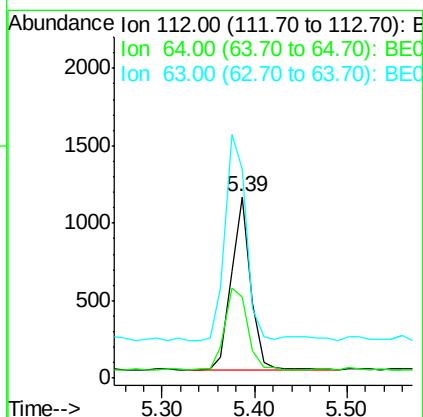
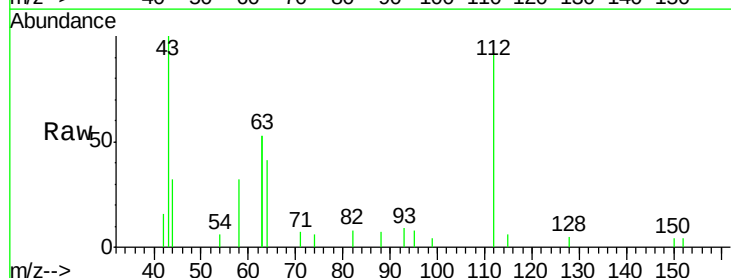
Tot Ion: 42 Resp: 491
Ion Ratio Lower Upper
42 100
74 210.2 141.6 212.4
44 14.3 0.0 0.0#

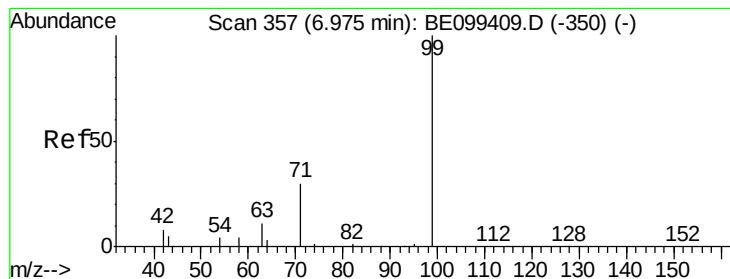


#4

2-Fluorophenol
Concen: 0.277 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion: 112 Resp: 1636
Ion Ratio Lower Upper
112 100
64 55.6 47.4 71.0
63 127.8 104.3 156.5





#5

Phenol-d6

Concen: 0.309 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

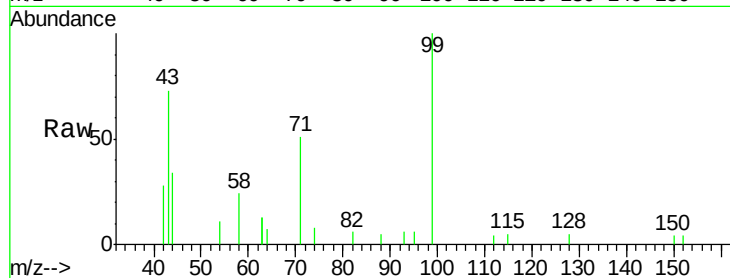
Tot Ion: 99 Resp: 2426

Ion Ratio Lower Upper

99 100

42 23.4 14.9 22.3#

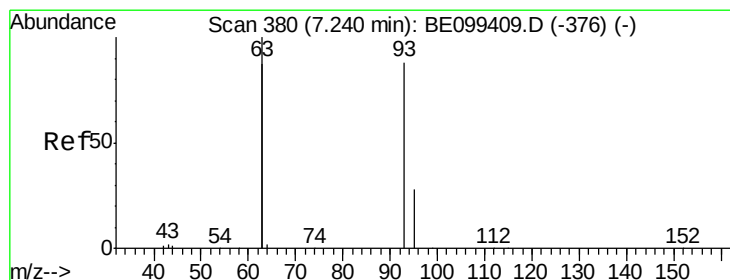
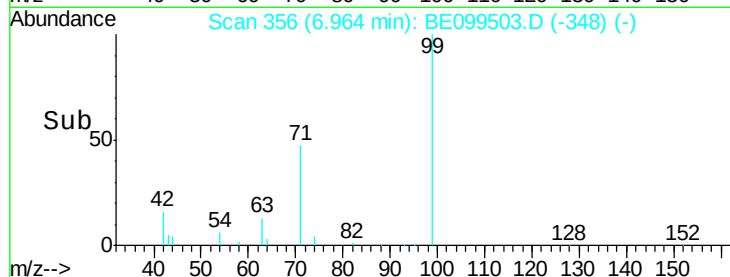
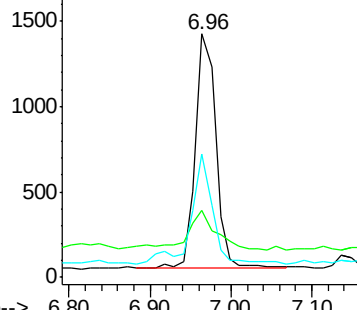
71 49.0 33.0 49.6



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: 0.272 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

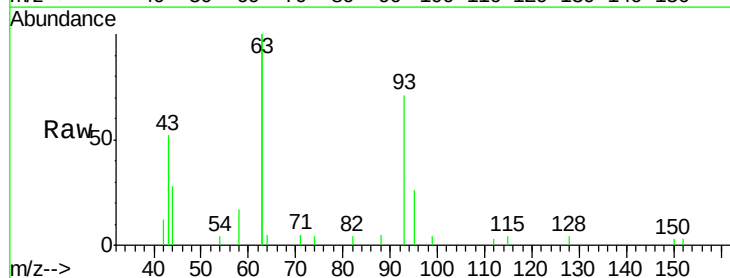
Tgt Ion: 93 Resp: 1844

Ion Ratio Lower Upper

93 100

63 259.8 215.6 323.4

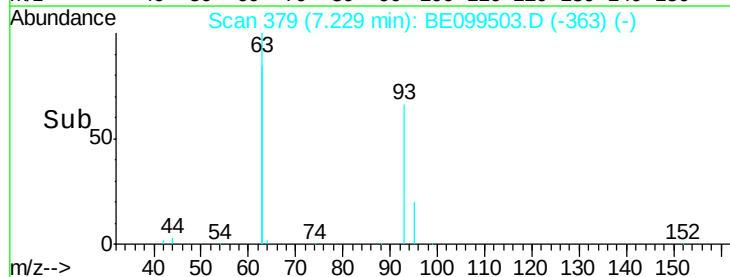
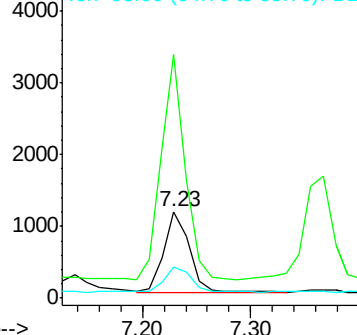
95 36.1 26.2 39.2

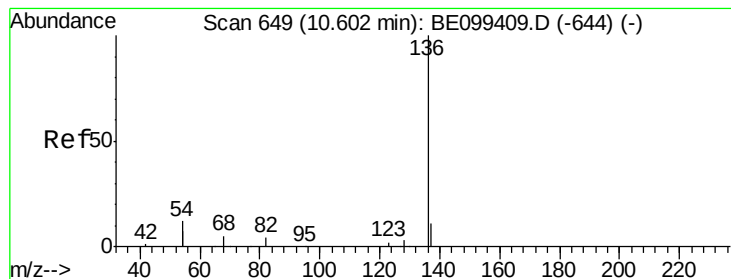


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

Tot Ion:136 Resp: 7460

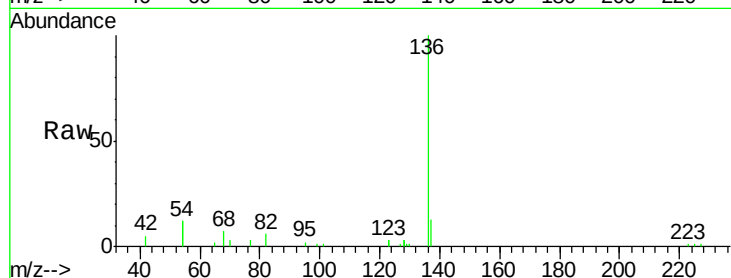
Ion Ratio Lower Upper

136 100

137 12.5 9.8 14.8

54 23.4 18.5 27.7

68 6.8 4.7 7.1

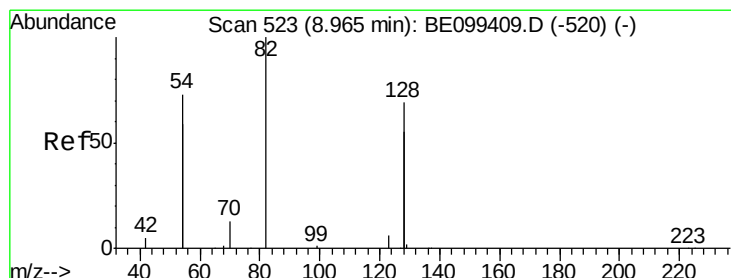
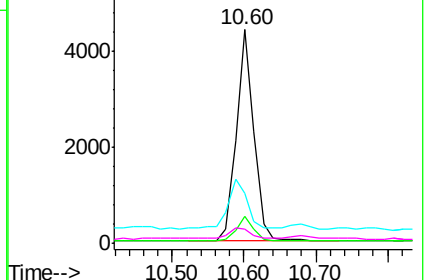
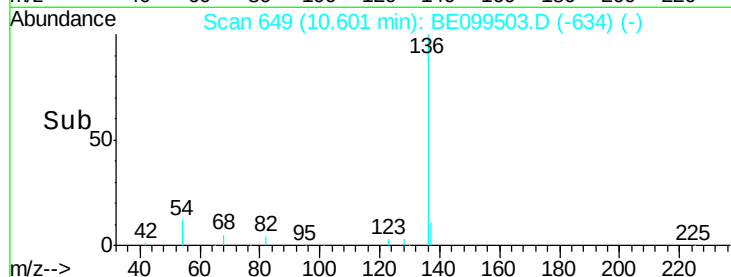


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.278 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

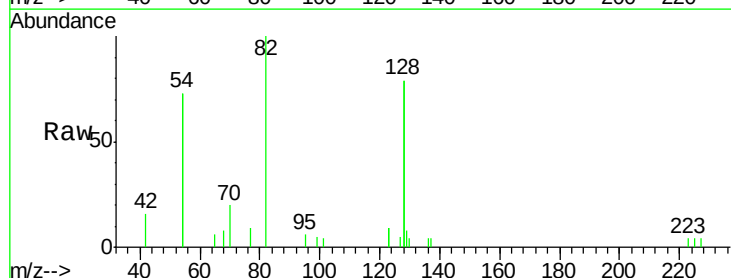
Tgt Ion: 82 Resp: 1945

Ion Ratio Lower Upper

82 100

128 157.0 107.0 160.4

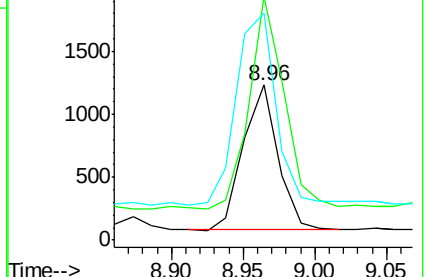
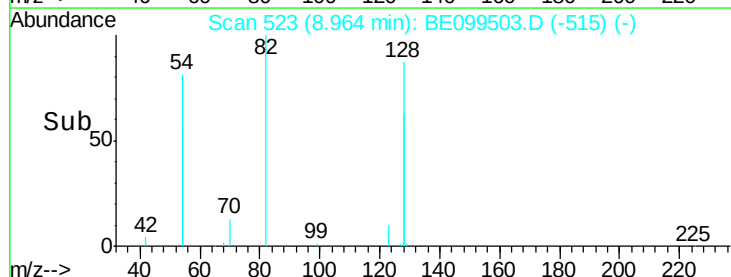
54 146.1 113.1 169.7

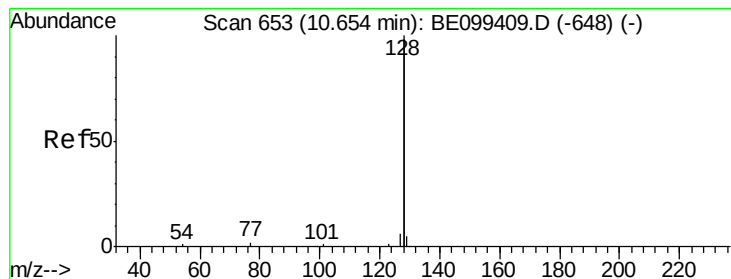


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.593 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

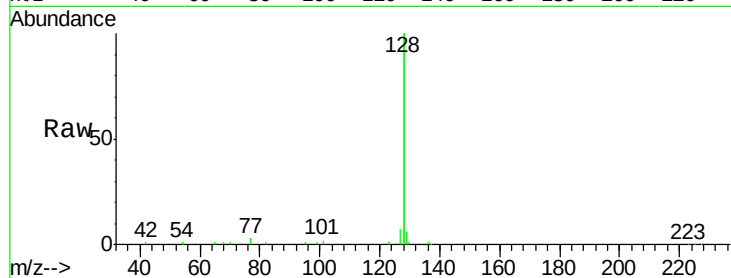
Tot Ion:128 Resp: 48188

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

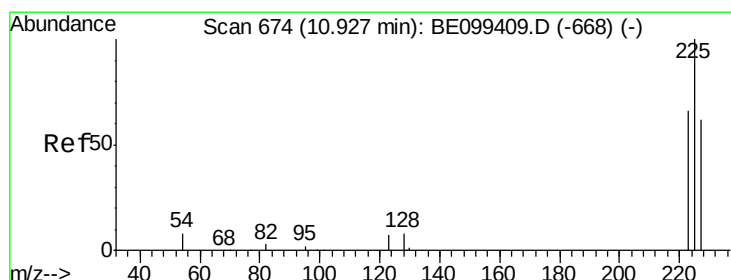
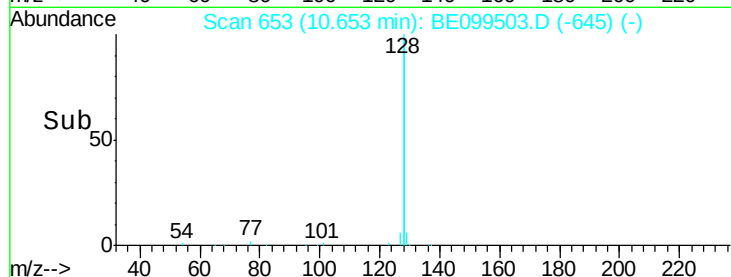
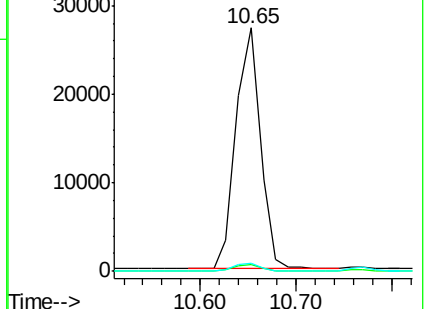
127 3.3 2.8 4.2



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: 0.250 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

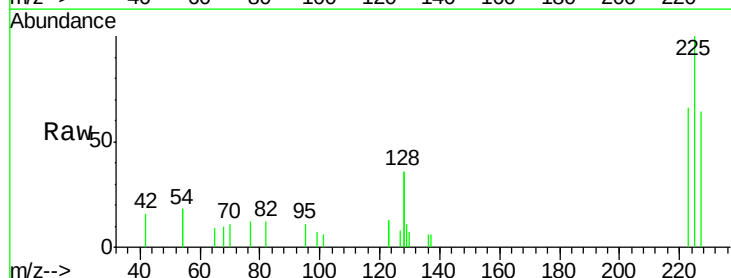
Tgt Ion:225 Resp: 1416

Ion Ratio Lower Upper

225 100

223 62.8 51.0 76.6

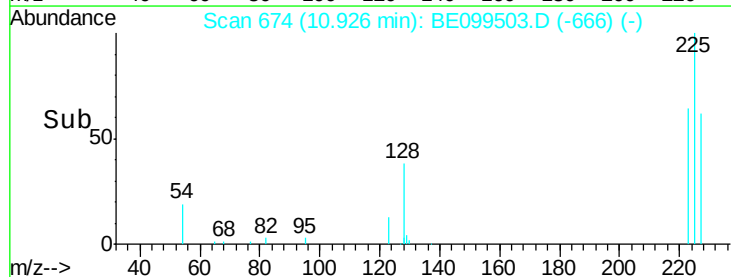
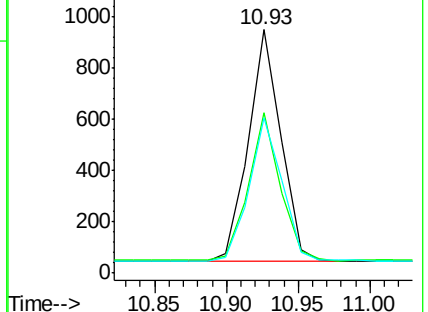
227 63.3 50.9 76.3

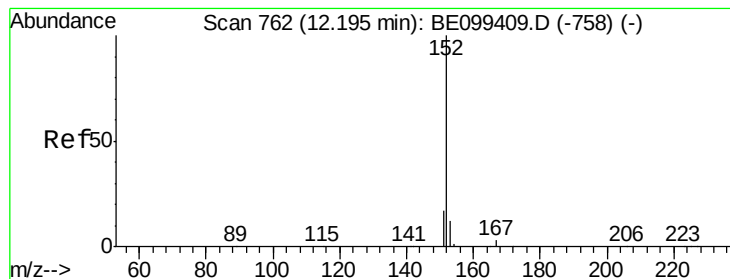


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

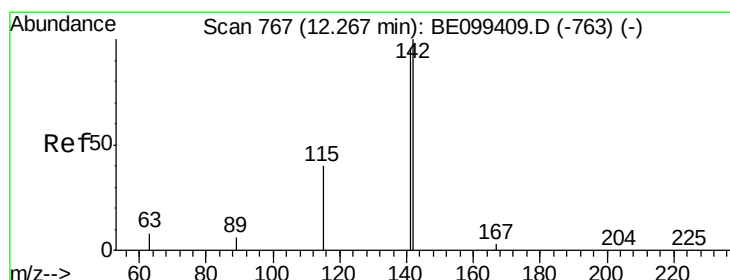
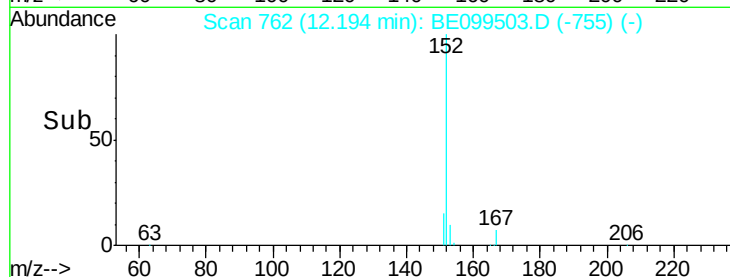
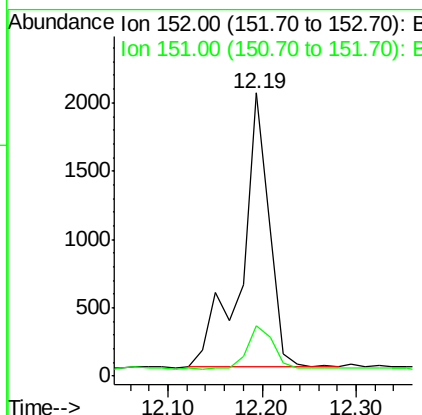
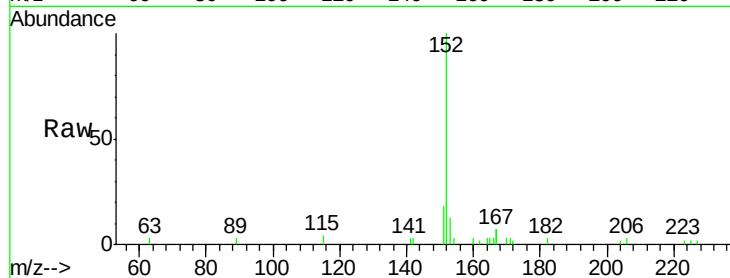




#11
 2-Methylnaphthalene-d10
 Concen: 0.306 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099503.D
 Acq: 2 May 2019 21:08

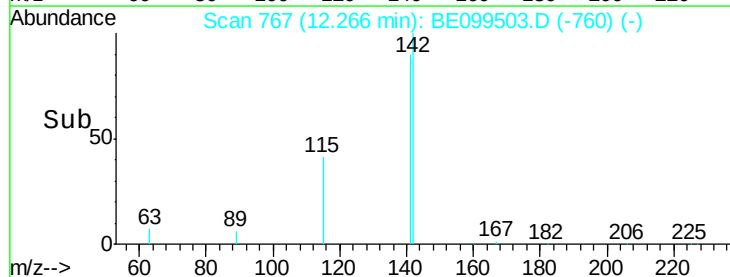
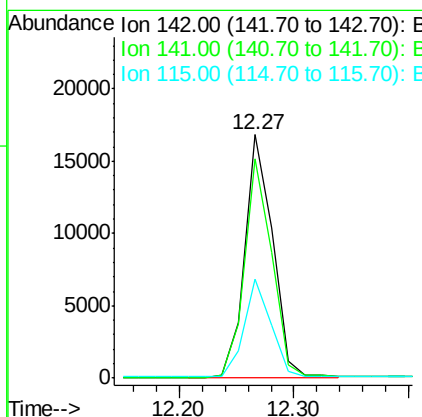
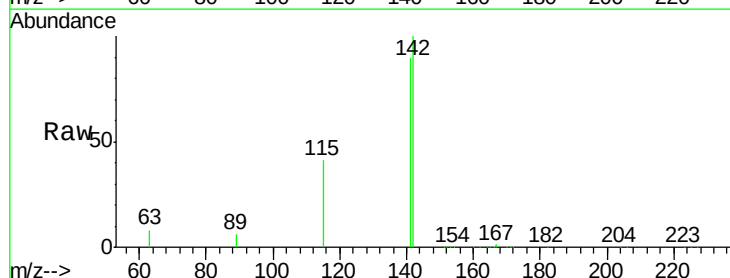
Instrument :
 BNA_E
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 PST-001-B196-042519MSD

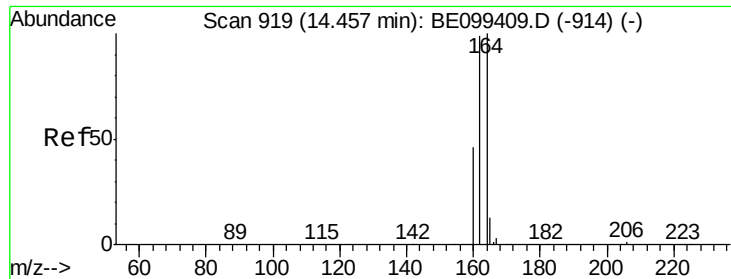
Tot Ion:152 Resp: 4109
 Ion Ratio Lower Upper
 152 100
 151 15.1 15.5 23.3#



#12
 2-Methylnaphthalene
 Concen: 1.987 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099503.D
 Acq: 2 May 2019 21:08

Tgt Ion:142 Resp: 28094
 Ion Ratio Lower Upper
 142 100
 141 90.0 77.0 115.4
 115 40.9 33.4 50.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

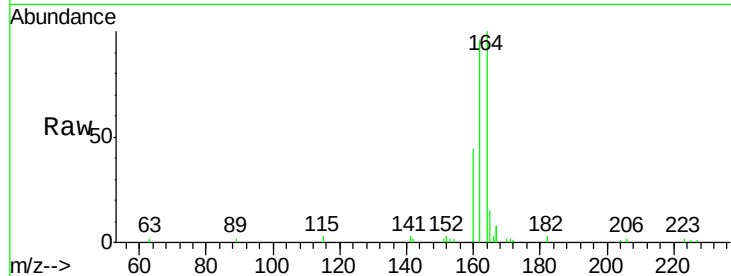
Tot Ion:164 Resp: 5190

Ion Ratio Lower Upper

164 100

162 96.2 79.0 118.4

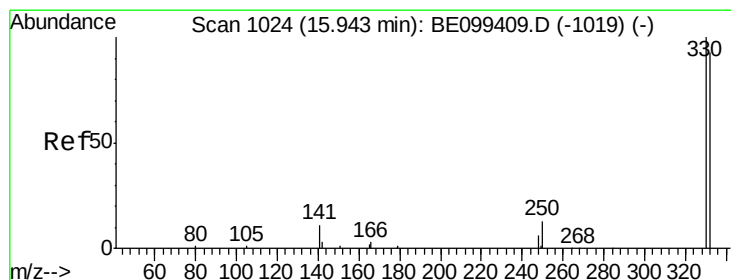
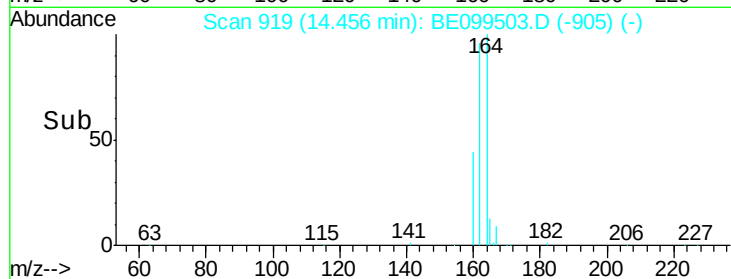
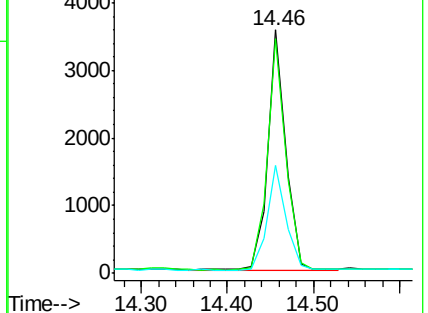
160 44.5 37.0 55.4



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: 0.314 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

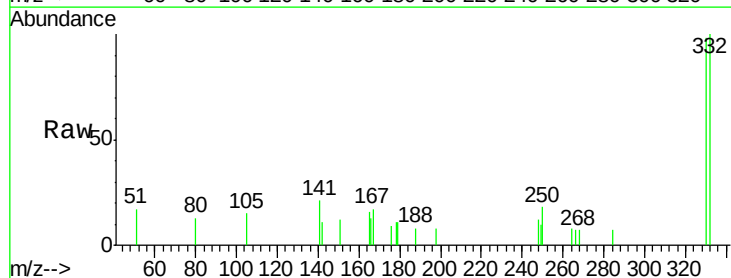
Tgt Ion:330 Resp: 1025

Ion Ratio Lower Upper

330 100

332 98.4 71.5 107.3

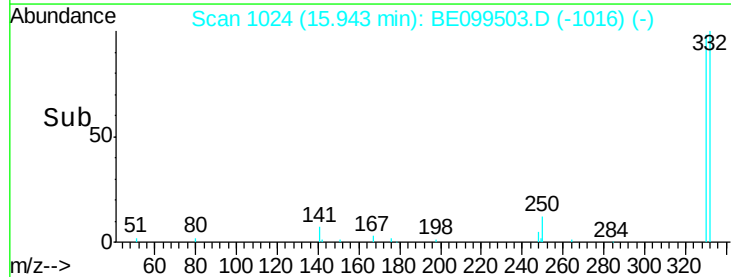
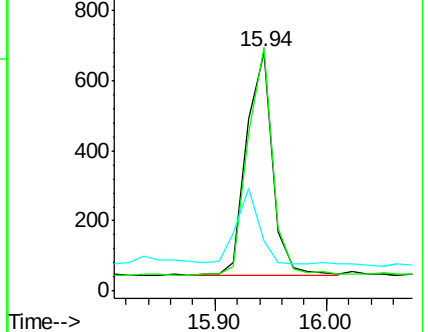
141 29.3 24.0 36.0

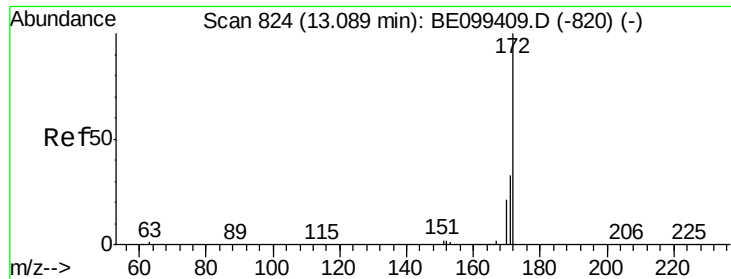


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

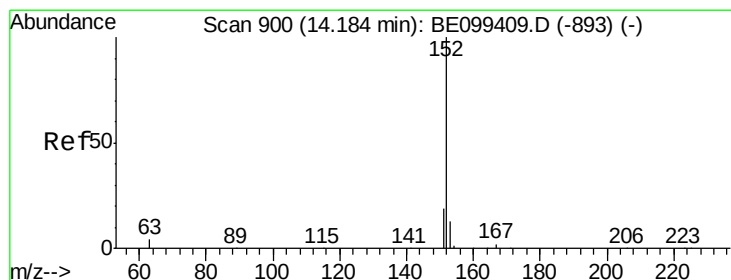
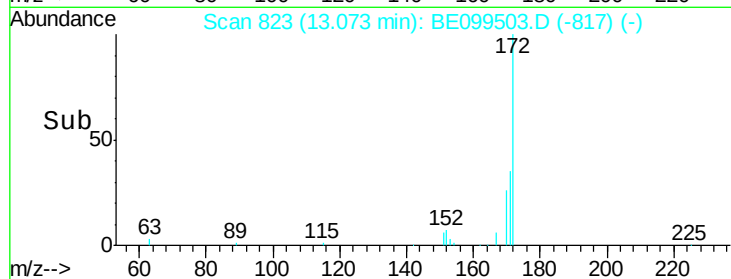
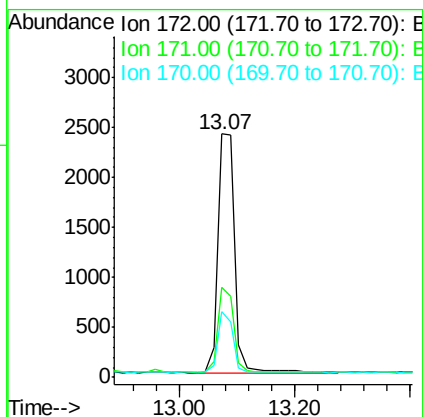
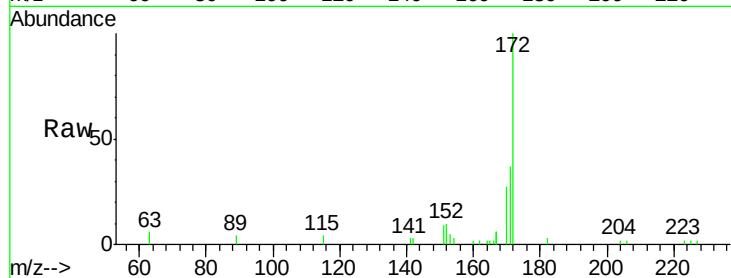




#15
2-Fluorobiphenyl
Concen: 0.240 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

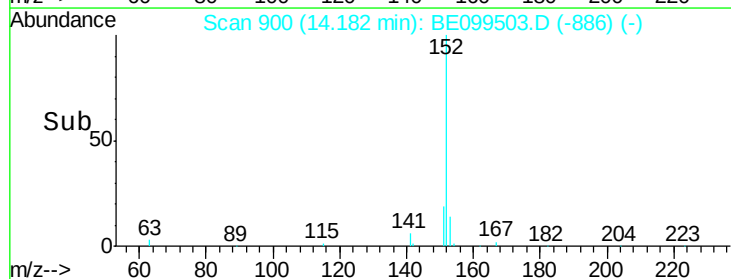
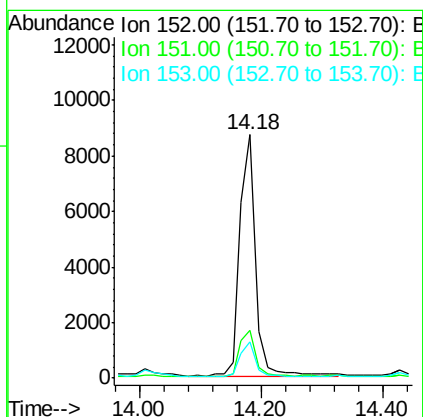
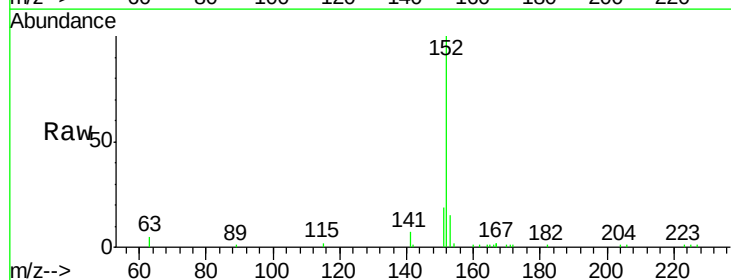
Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519MSD

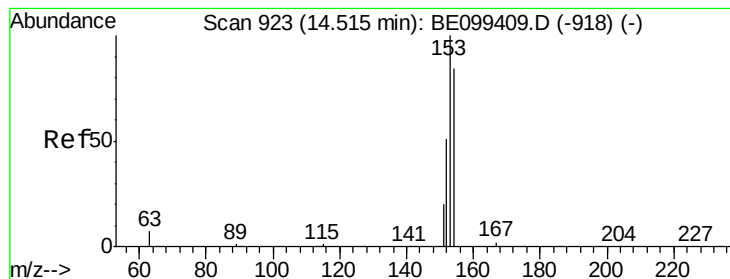
Tot Ion:172 Resp: 4752
Ion Ratio Lower Upper
172 100
171 36.8 26.6 39.8
170 27.1 17.0 25.6#



#16
Acenaphthylene
Concen: 0.617 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:152 Resp: 15675
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2
153 13.7 9.8 14.6





#17

Acenaphthene

Concen: 0.328 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

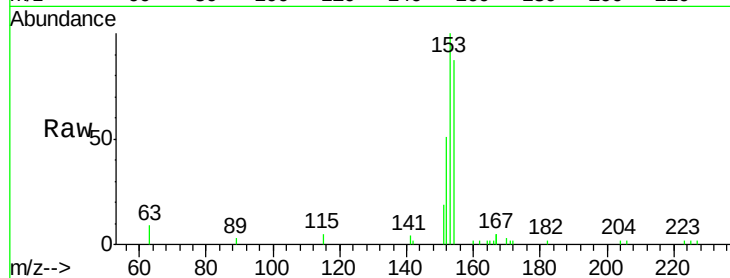
Tot Ion:154 Resp: 4753

Ion Ratio Lower Upper

154 100

153 113.7 92.6 138.8

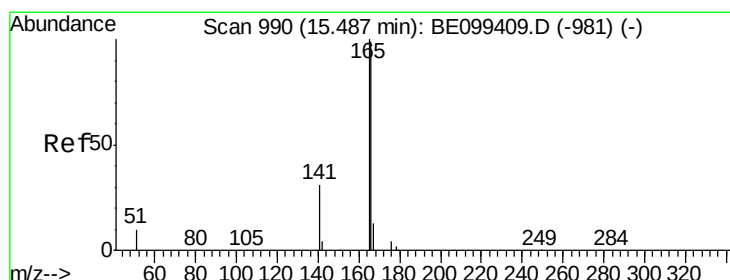
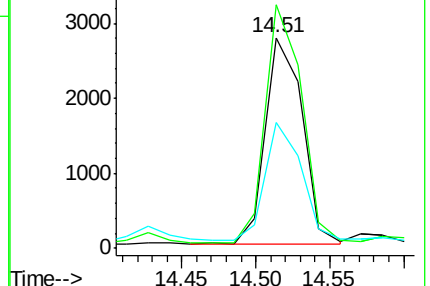
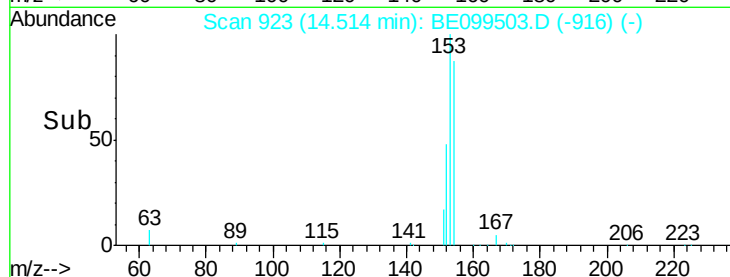
152 54.9 45.8 68.8



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: 0.454 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

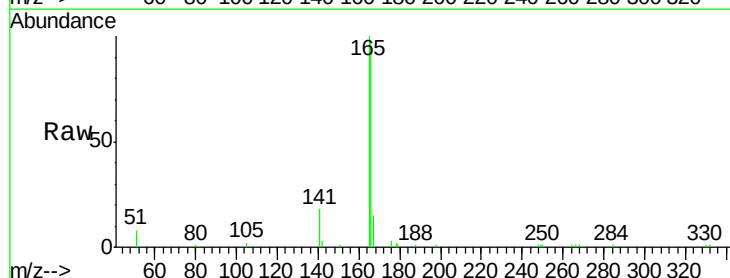
Tgt Ion:166 Resp: 9717

Ion Ratio Lower Upper

166 100

165 104.7 80.3 120.5

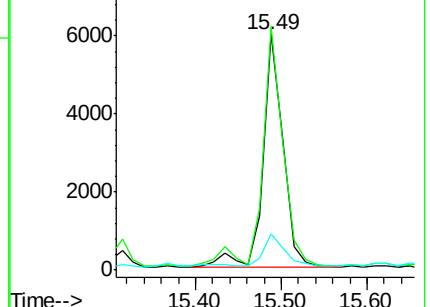
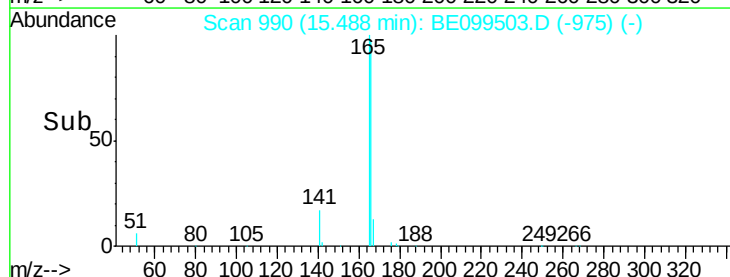
167 14.1 10.7 16.1

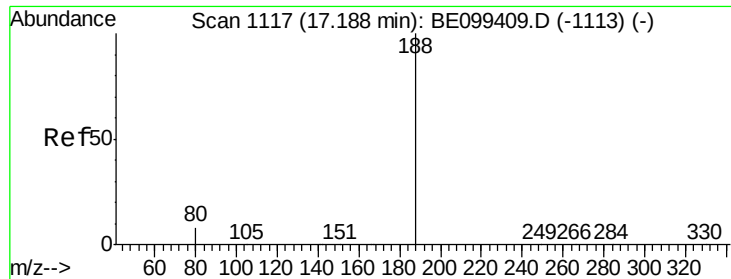


Abundance Ion 166.00 (165.70 to 166.70): E

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. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

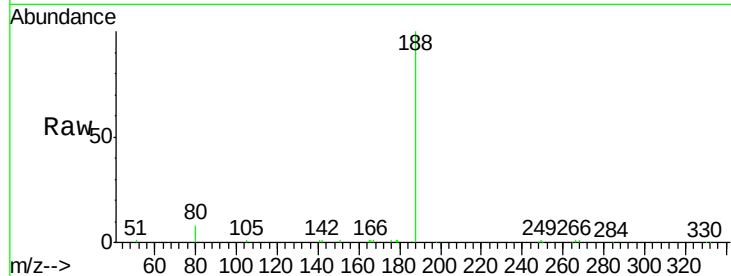
Tot Ion:188 Resp: 16987

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

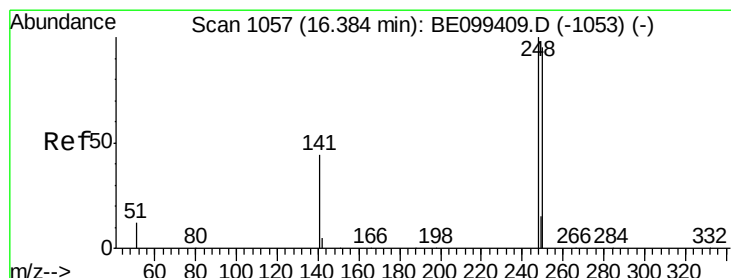
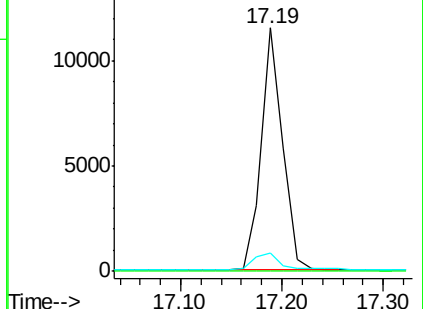
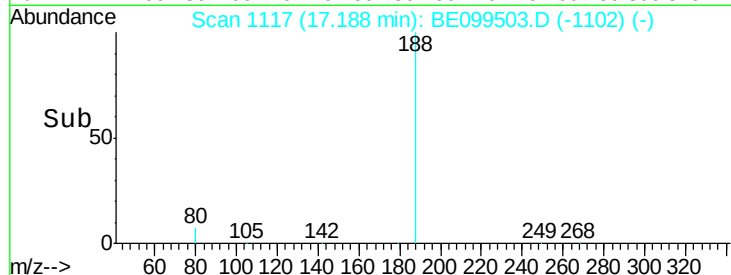
80 7.5 6.7 10.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.252 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

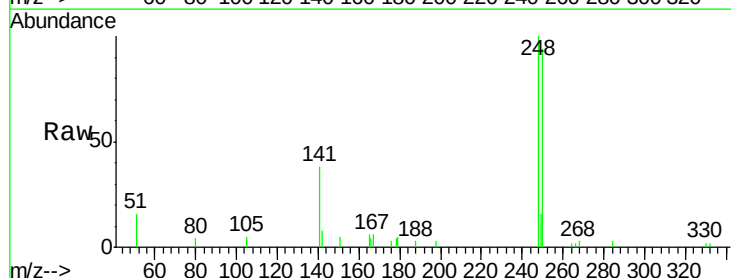
Tgt Ion:248 Resp: 2494

Ion Ratio Lower Upper

248 100

250 94.2 75.8 113.8

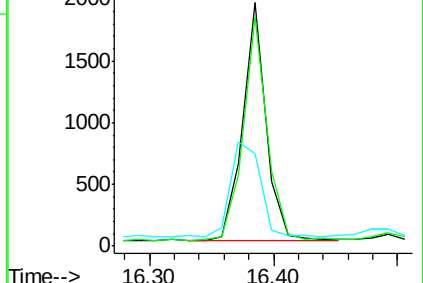
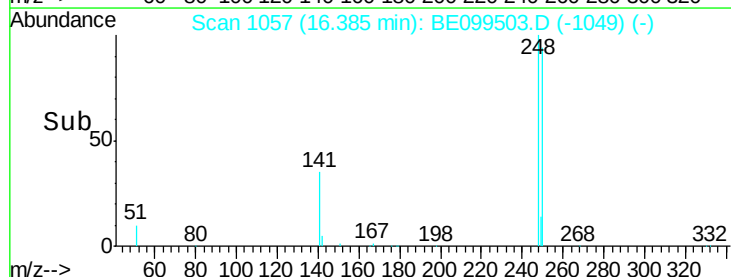
141 38.3 35.7 53.5

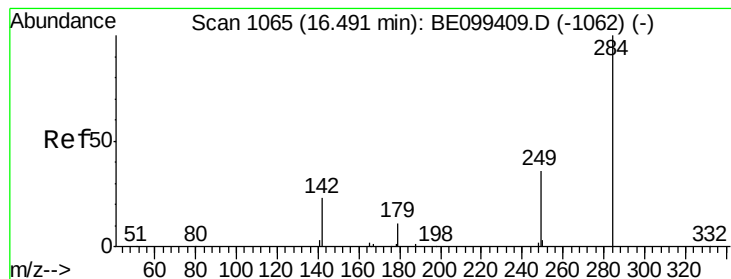


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.260 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

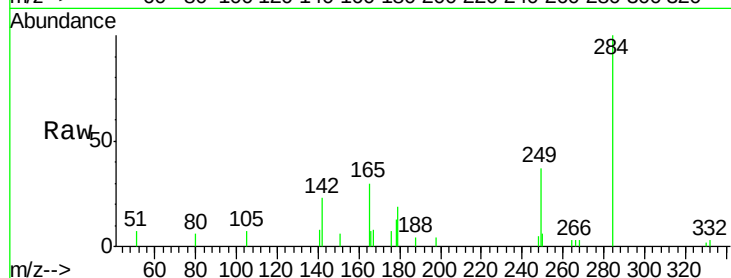
Tot Ion:284 Resp: 2454

Ion	Ratio	Lower	Upper
284	100		
142	24.8	21.0	31.6
249	33.2	26.7	40.1

284 100

142 24.8 21.0 31.6

249 33.2 26.7 40.1

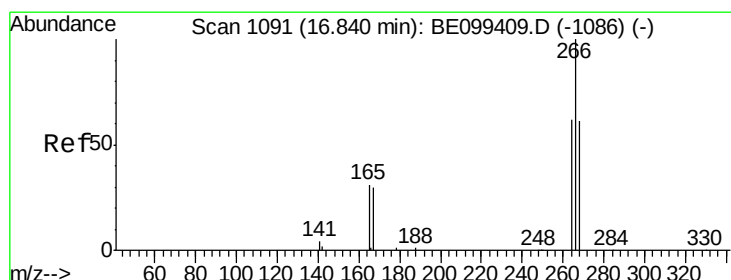
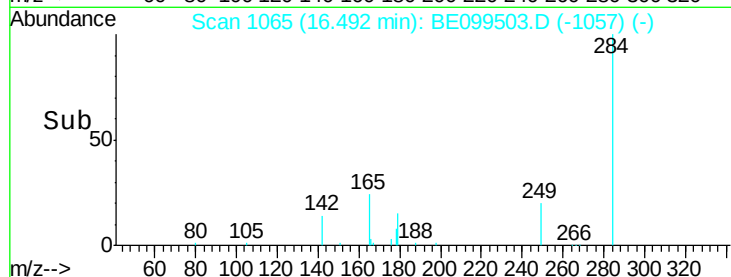
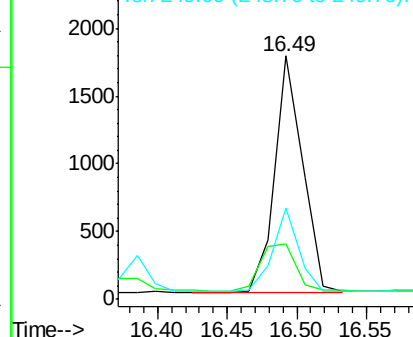


Abundance

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: 0.775 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

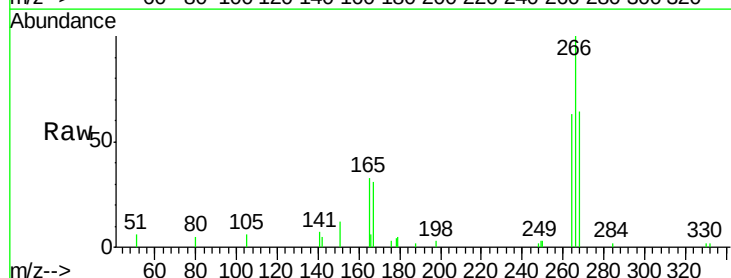
Tgt Ion:266 Resp: 3169

Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.8	76.2
268	63.7	50.5	75.7

266 100

264 62.7 50.8 76.2

268 63.7 50.5 75.7

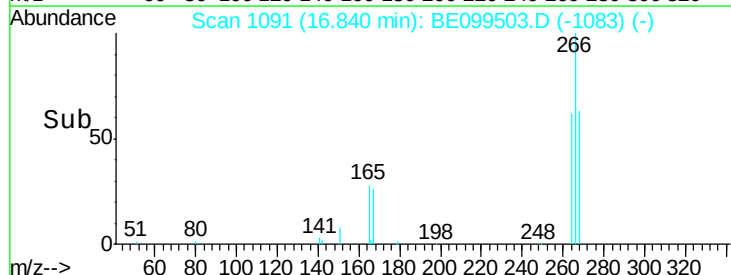
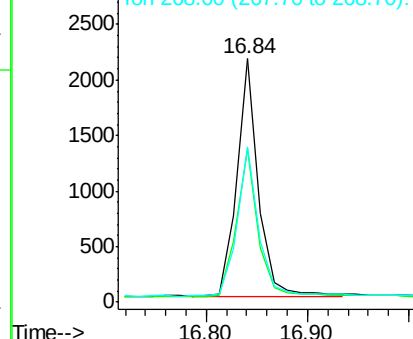


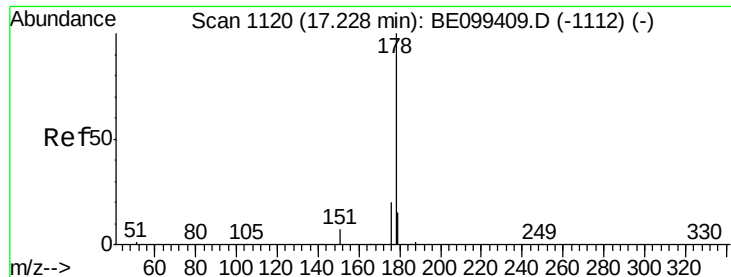
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.933 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

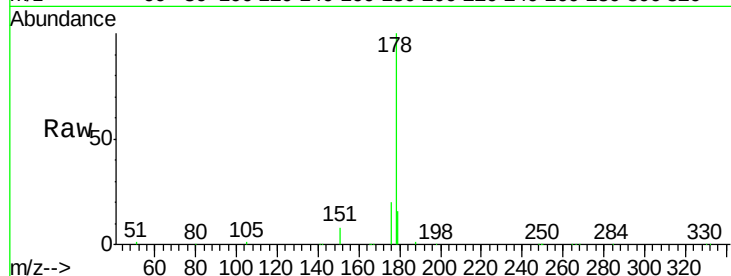
Tot Ion:178 Resp: 40911

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

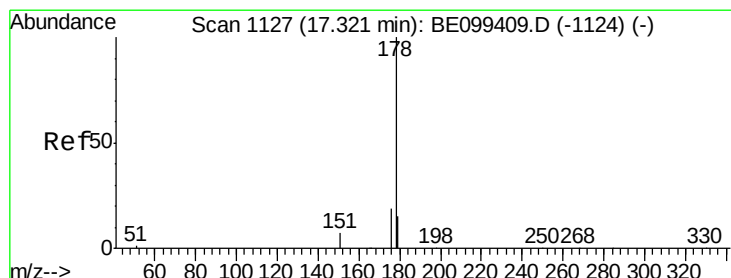
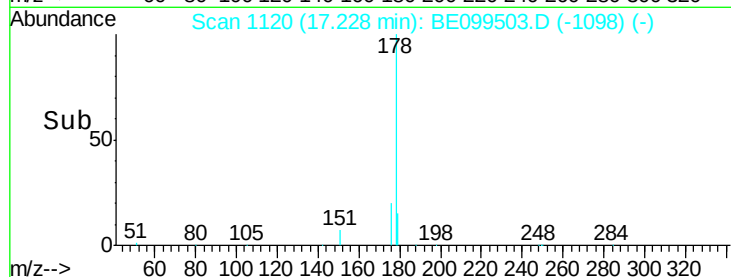
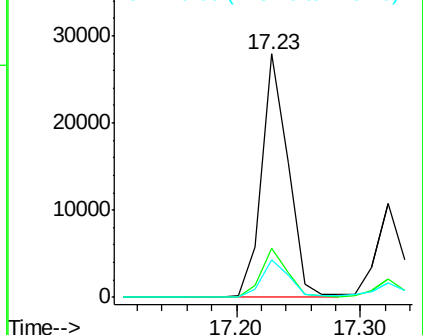
179 15.5 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.367 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

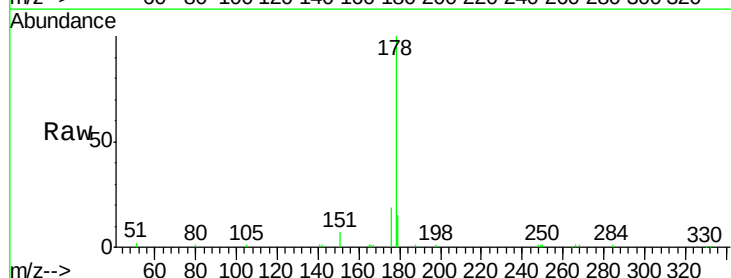
Tgt Ion:178 Resp: 15337

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

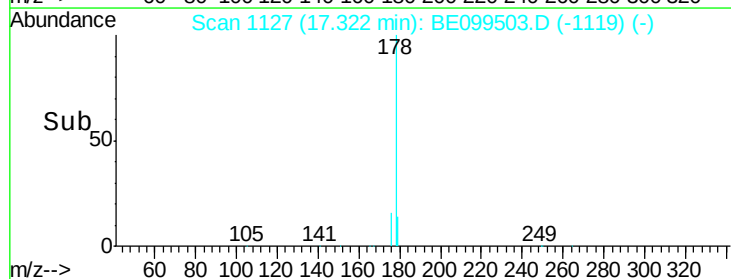
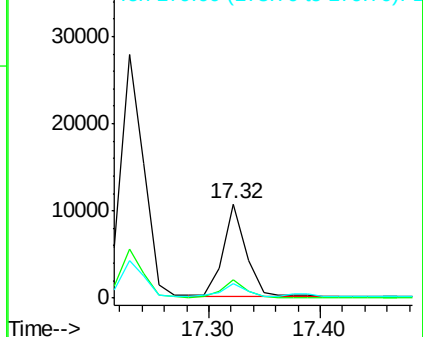
179 16.4 11.9 17.9

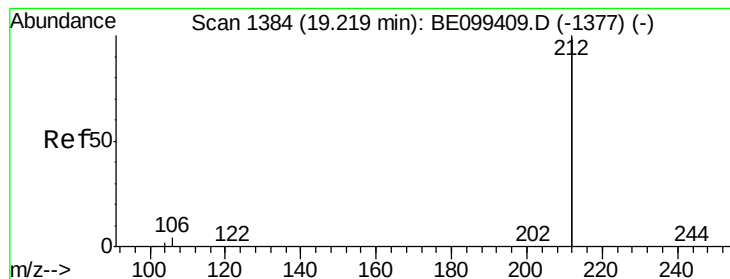


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.252 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

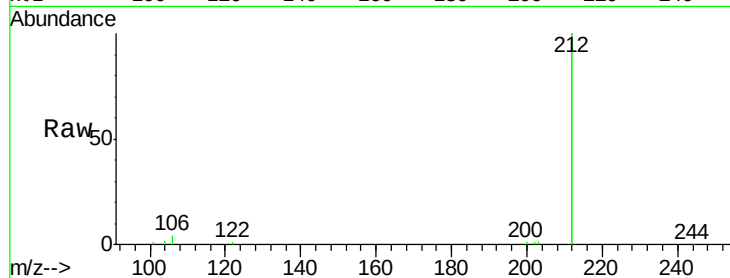
Tot Ion:212 Resp: 57773

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

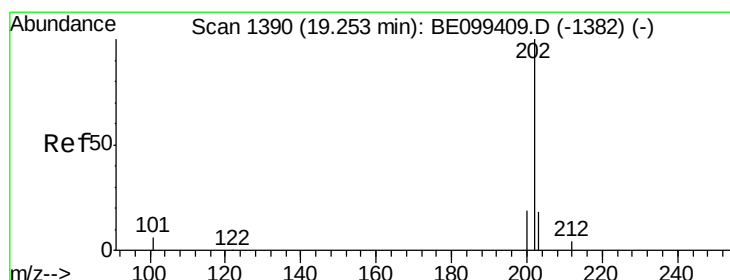
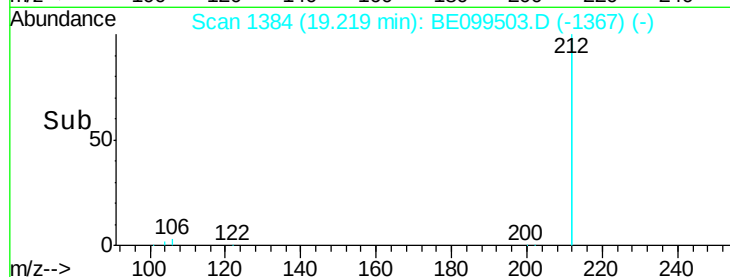
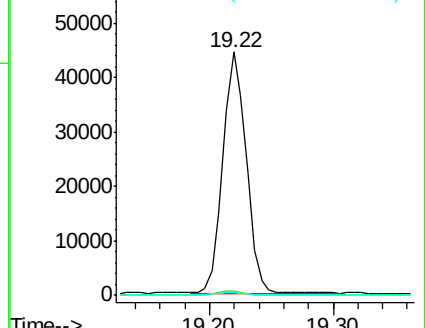
104 1.1 0.9 1.3



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: 1.063 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

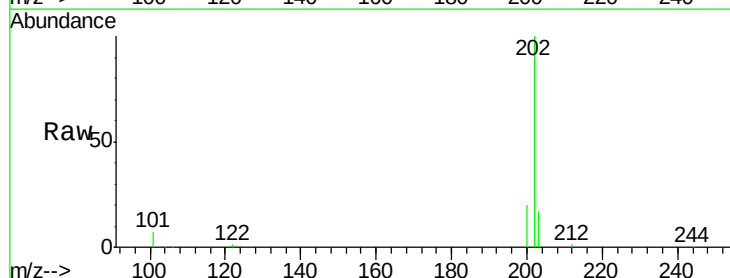
Tgt Ion:202 Resp: 69801

Ion Ratio Lower Upper

202 100

101 6.8 5.4 8.0

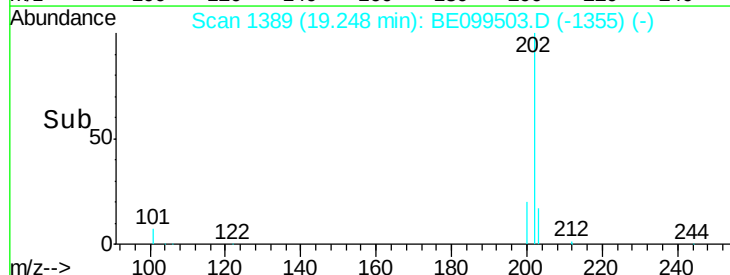
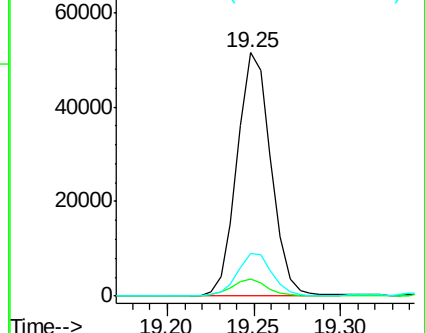
203 17.3 13.9 20.9

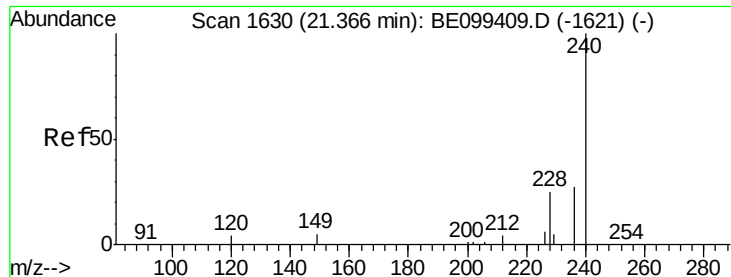


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

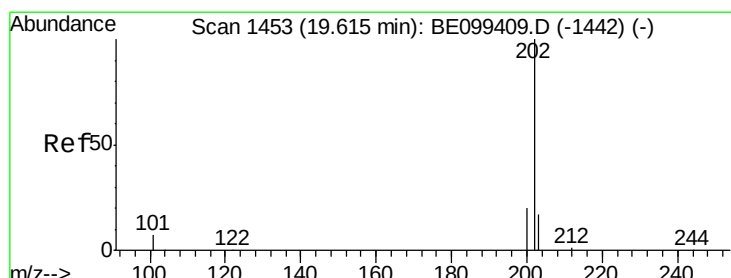
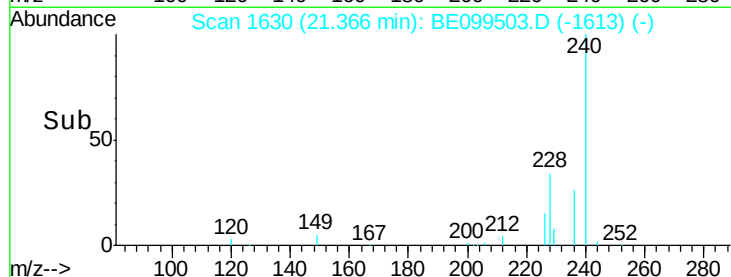
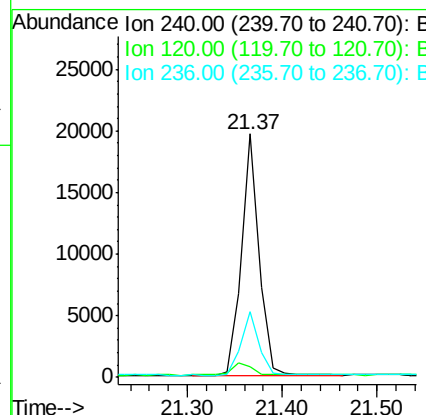
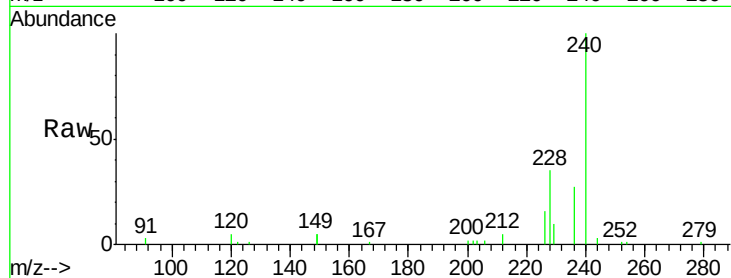




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099503.D
 Acq: 2 May 2019 21:08

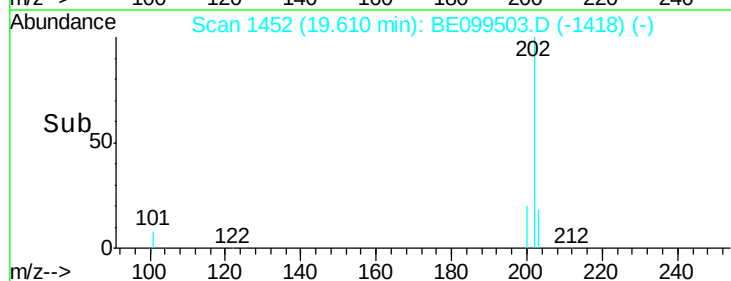
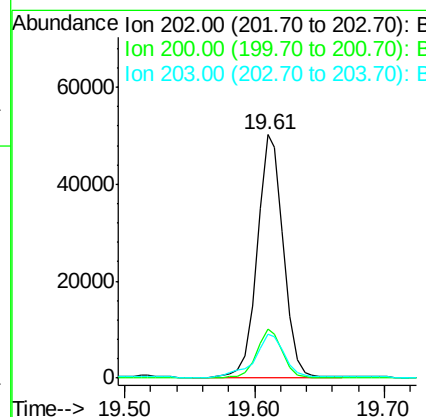
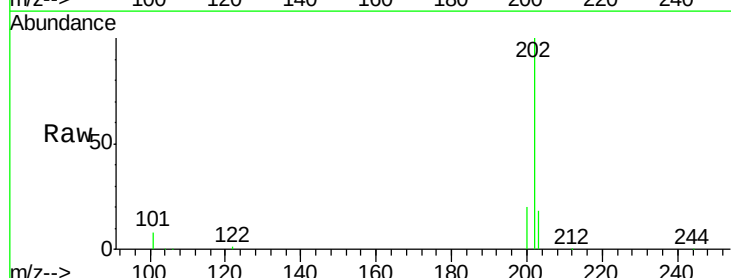
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B196-042519MSD

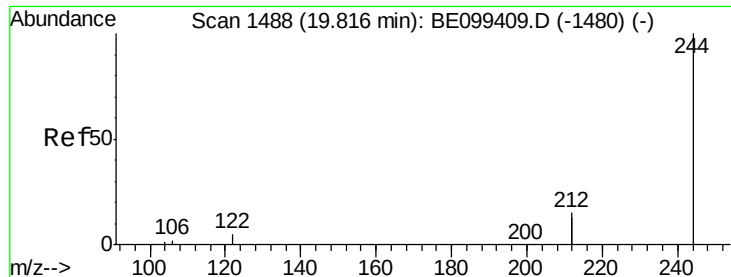
Tot Ion:240 Resp: 25246
 Ion Ratio Lower Upper
 240 100
 120 4.5 4.0 6.0
 236 27.2 22.0 33.0



#28
 Pyrene
 Concen: 1.063 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099503.D
 Acq: 2 May 2019 21:08

Tgt Ion:202 Resp: 69947
 Ion Ratio Lower Upper
 202 100
 200 19.6 15.7 23.5
 203 19.9 13.9 20.9





#29

Terphenyl-d14

Concen: 0.279 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

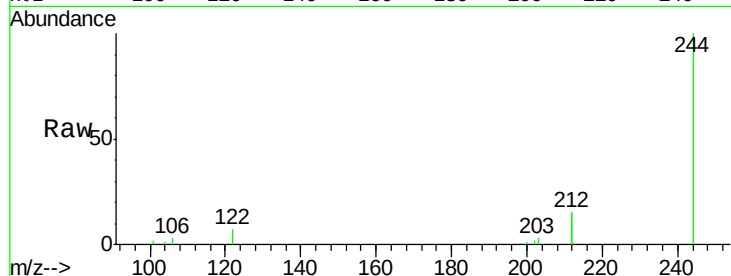
Tot Ion:244 Resp: 12901

Ion Ratio Lower Upper

244 100

212 30.7 23.2 34.8

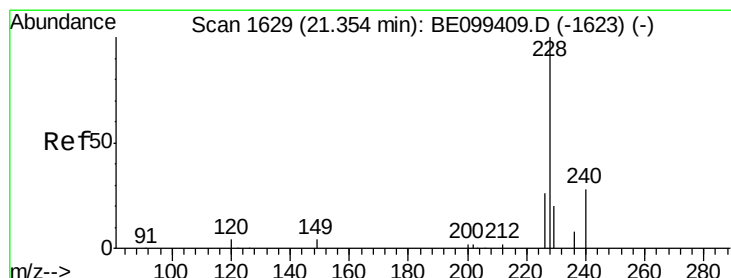
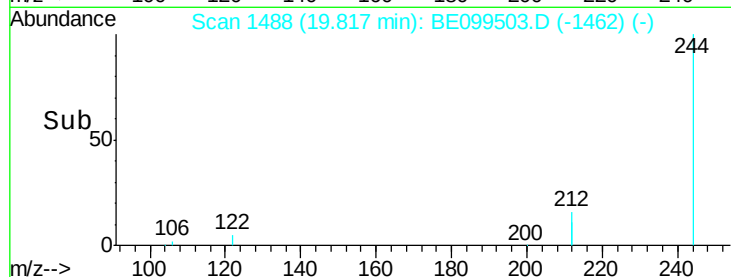
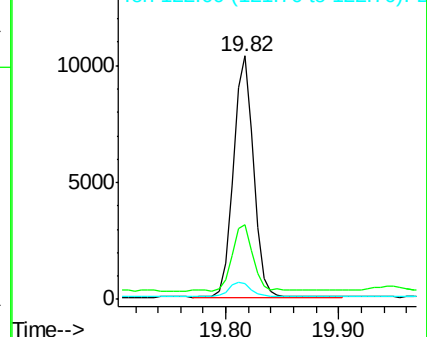
122 6.5 4.2 6.4#



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: 0.714 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

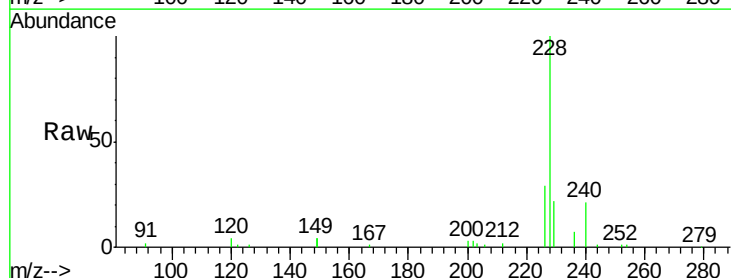
Tgt Ion:228 Resp: 57469

Ion Ratio Lower Upper

228 100

226 29.0 21.0 31.6

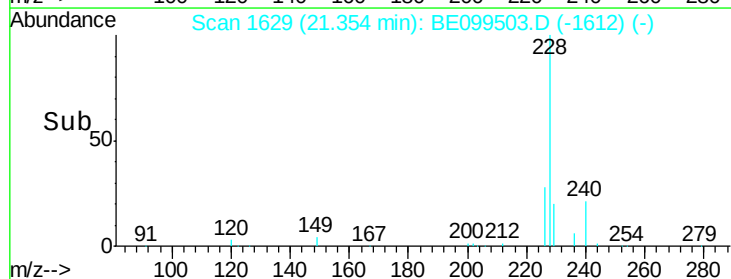
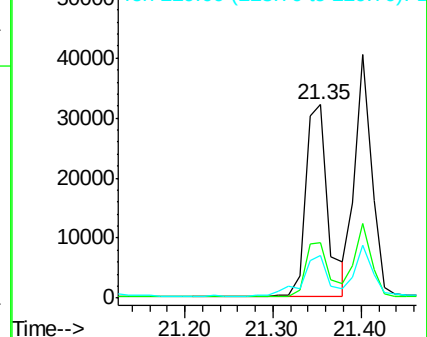
229 21.9 16.6 25.0

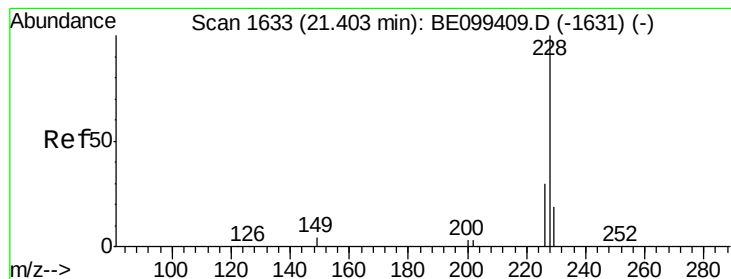


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.681 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

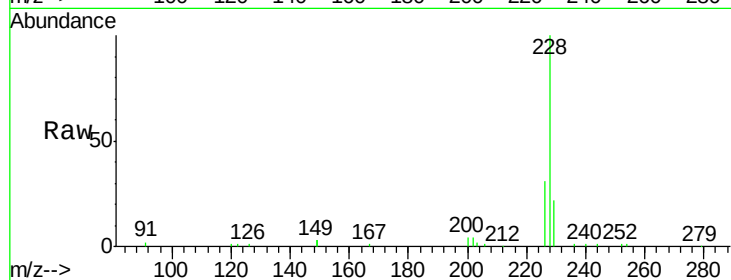
Tot Ion:228 Resp: 53589

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

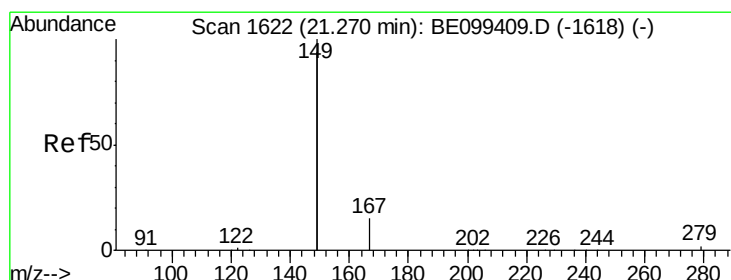
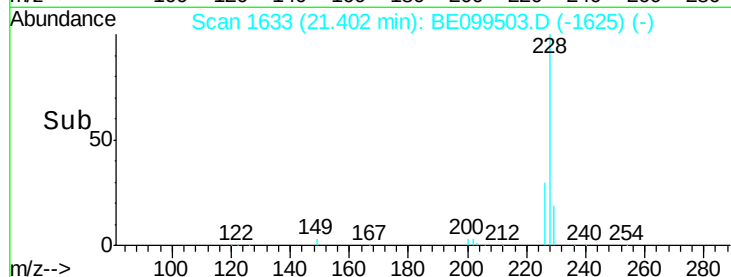
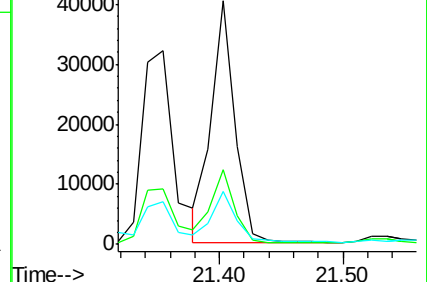
229 21.6 15.8 23.8



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: 0.403 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

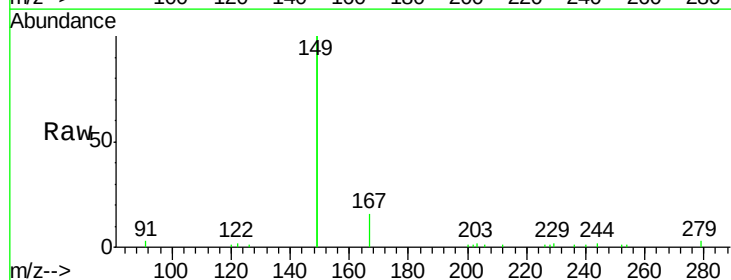
Tgt Ion:149 Resp: 53861

Ion Ratio Lower Upper

149 100

167 7.5 5.8 8.6

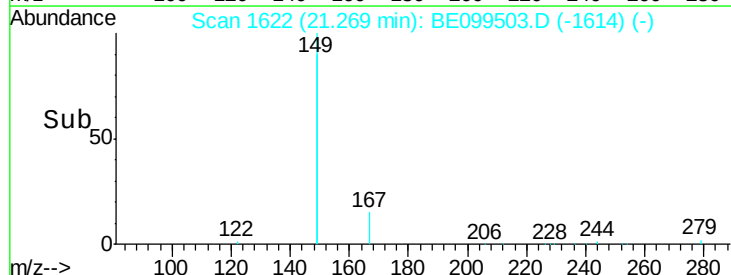
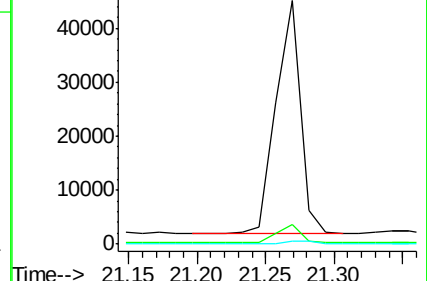
279 1.5 1.0 1.6

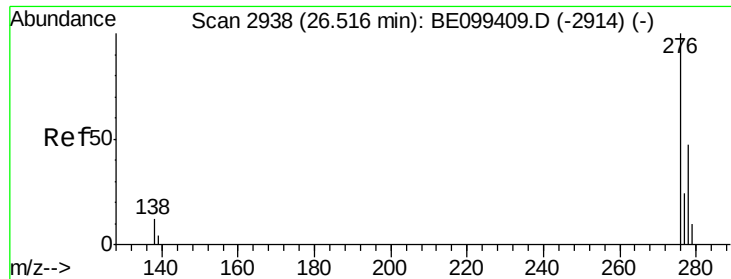


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.532 ng

RT: 26.52 min Scan# 2938

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

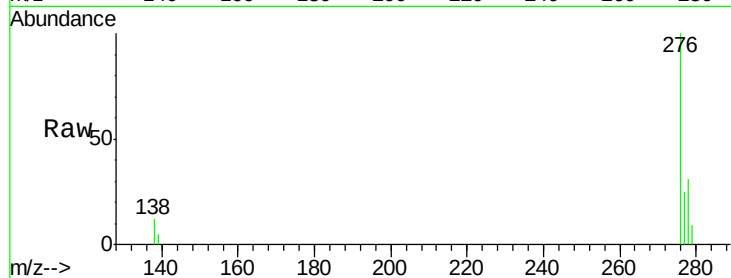
Tot Ion:276 Resp: 49538

Ion Ratio Lower Upper

276 100

138 11.7 10.2 15.2

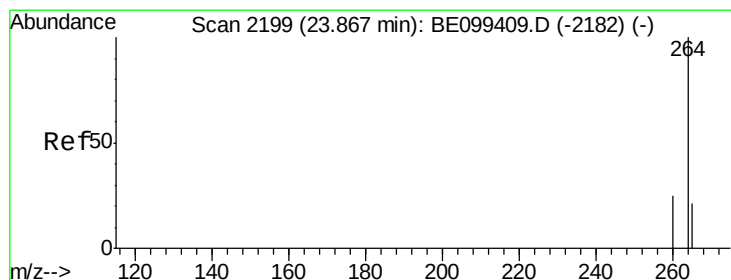
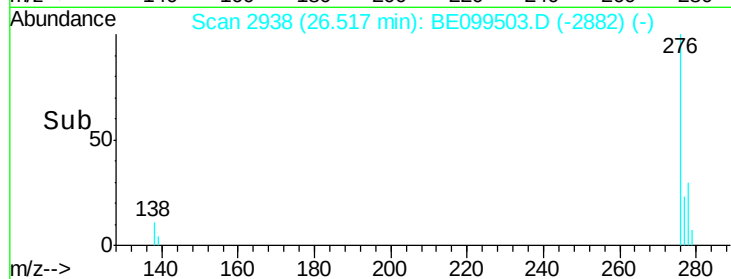
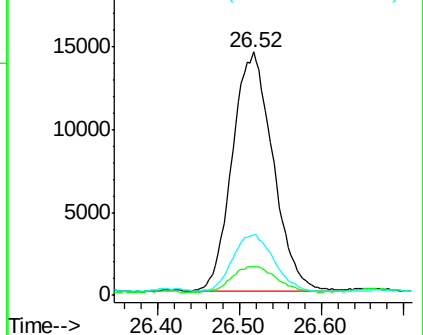
277 24.4 19.2 28.8



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: 23.87 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

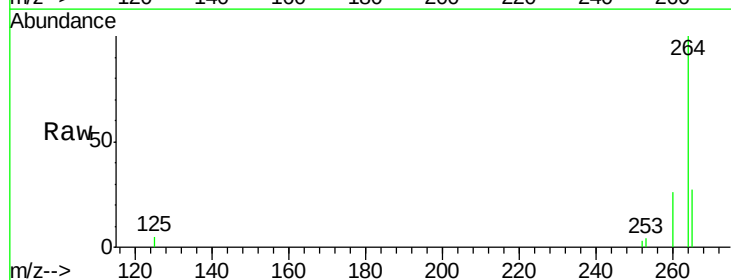
Tgt Ion:264 Resp: 29277

Ion Ratio Lower Upper

264 100

260 25.7 20.2 30.2

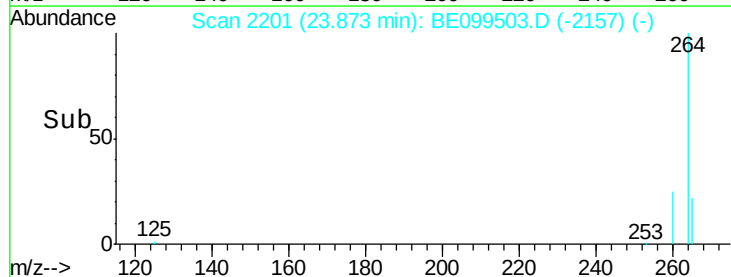
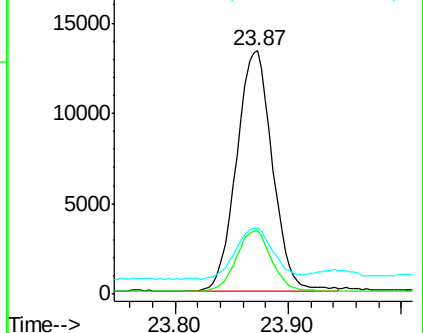
265 27.1 21.3 31.9

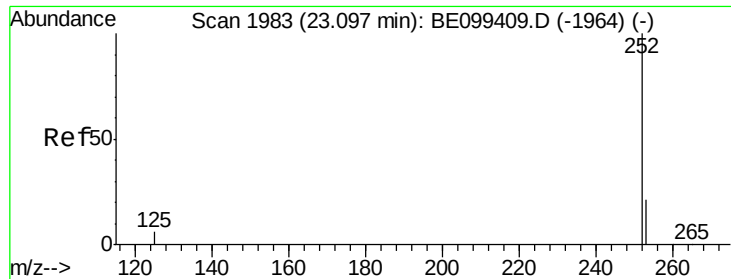


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.742 ng

RT: 23.10 min Scan# 1984

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

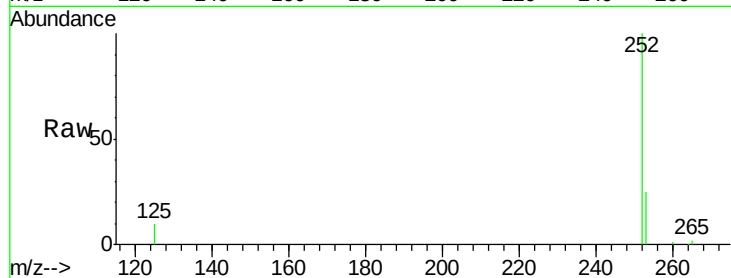
Tot Ion:252 Resp: 62619

Ion Ratio Lower Upper

252 100

253 25.2 18.1 27.1

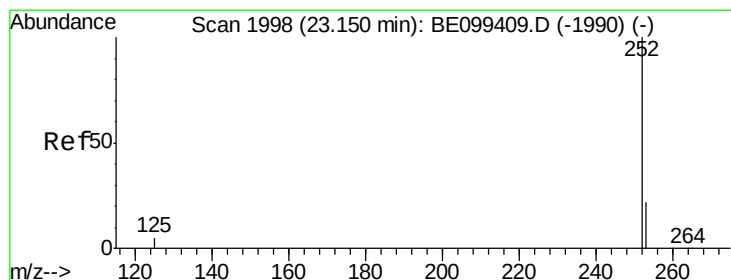
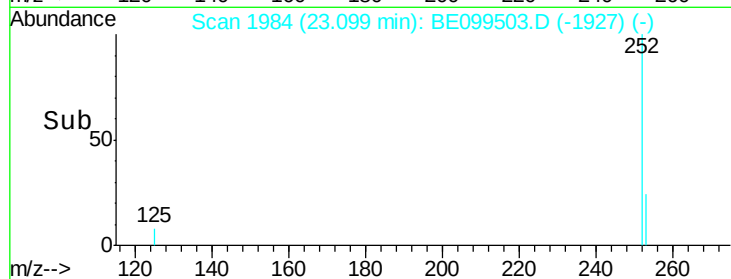
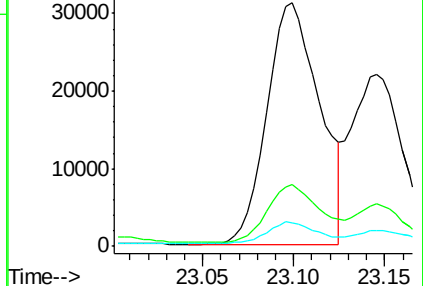
125 9.6 5.6 8.4#



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: 0.493 ng

RT: 23.15 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

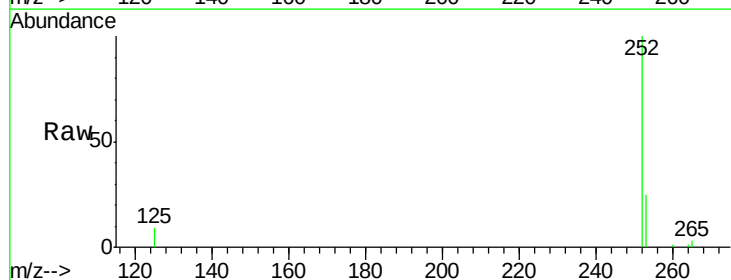
Tgt Ion:252 Resp: 40173

Ion Ratio Lower Upper

252 100

253 24.7 18.4 27.6

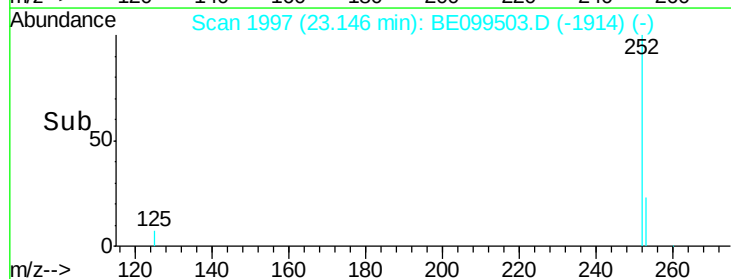
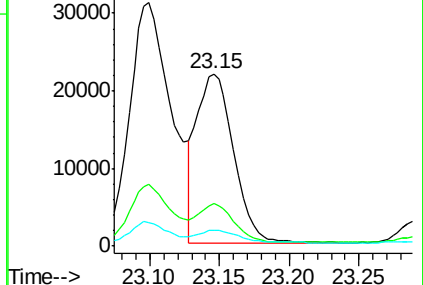
125 9.2 5.0 7.4#

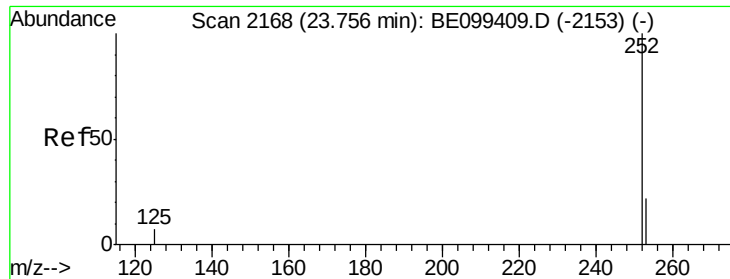


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.656 ng

RT: 23.76 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

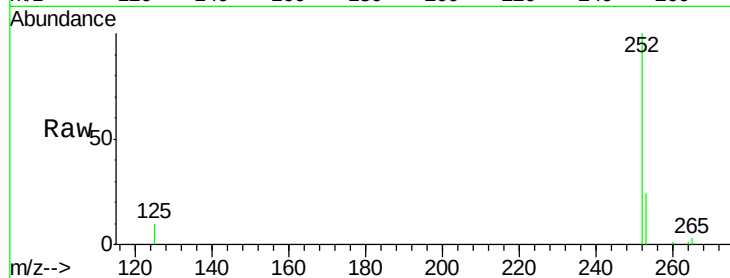
Tot Ion:252 Resp: 52368

Ion Ratio Lower Upper

252 100

253 23.9 18.9 28.3

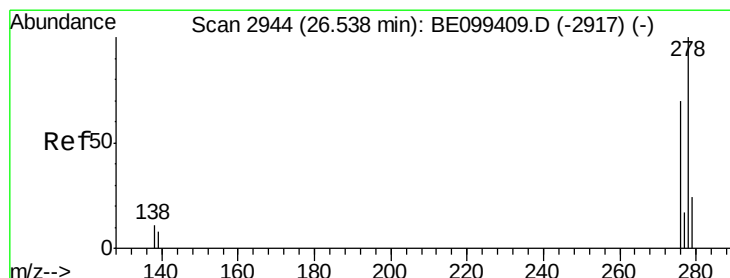
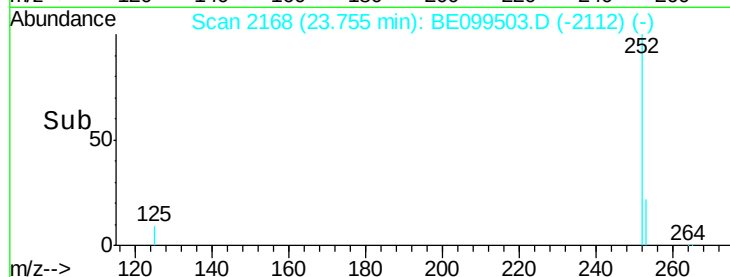
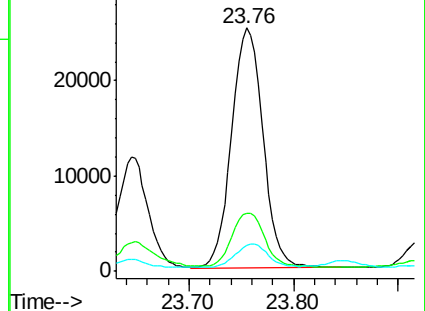
125 10.4 6.7 10.1#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.344 ng

RT: 26.54 min Scan# 2945

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

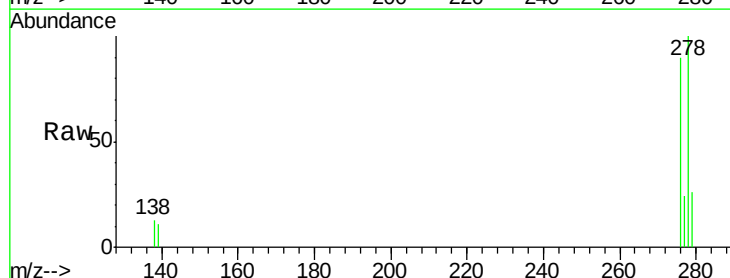
Tgt Ion:278 Resp: 28115

Ion Ratio Lower Upper

278 100

139 10.9 7.7 11.5

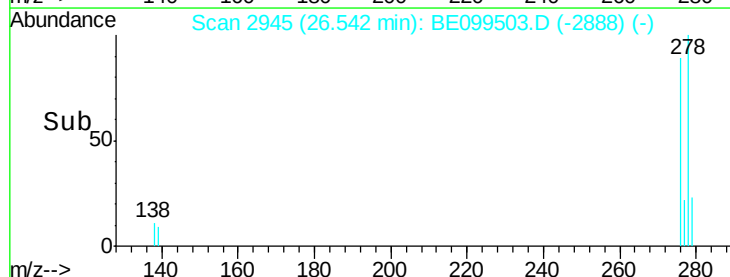
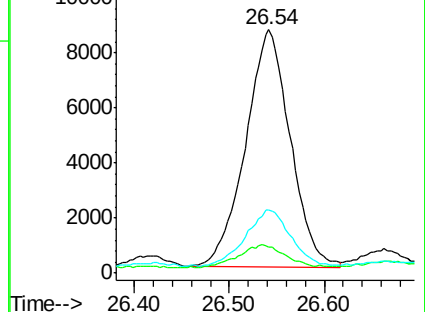
279 25.9 20.2 30.2

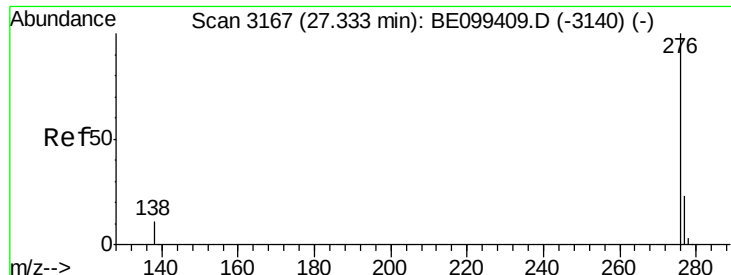


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.564 ng

RT: 27.34 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BE099503.D

Acq: 2 May 2019 21:08

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519MSD

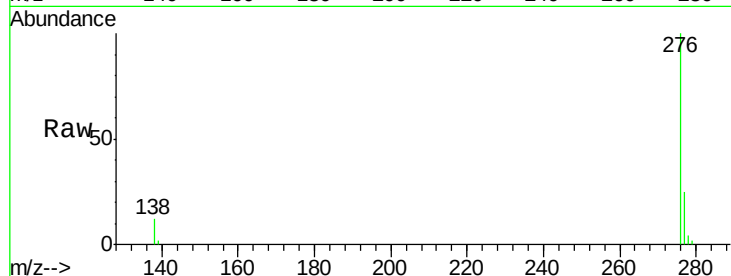
Tot Ion:276 Resp: 46116

Ion Ratio Lower Upper

276 100

277 25.0 19.5 29.3

138 11.9 9.6 14.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

