

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099132.D
 Acq On : 24 Mar 2019 4:20
 Operator : JU/SJ
 Sample : K1948-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW079-031319

Quant Time: Mar 24 23:01:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3480	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	14044	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9600	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	28149	0.40	ng	0.00
27) Chrysene-d12	21.39	240	36953	0.40	ng	0.00
34) Perylene-d12	23.90	264	40514	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	3959	0.38	ng	0.00
5) Phenol-d6	7.00	99	5769	0.39	ng	0.00
8) Nitrobenzene-d5	8.99	82	4497	0.73	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8723	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1830	0.65	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	12177	0.32	ng	-0.01
25) Fluoranthene-d10	19.24	212	121693	0.32	ng	0.00
29) Terphenyl-d14	19.83	244	18871	0.24	ng	0.00

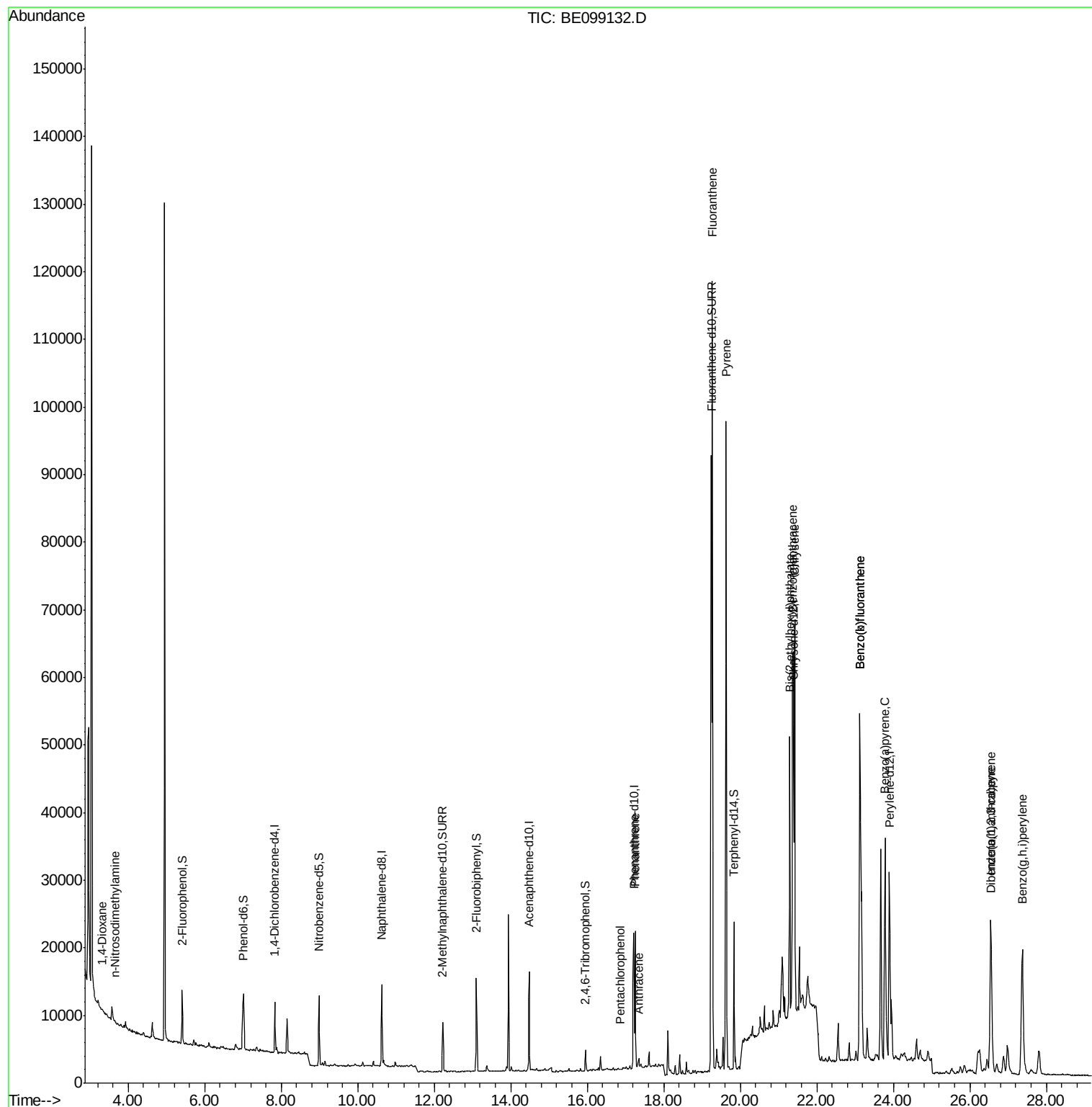
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	192	0.036	ng	# 26
3) n-Nitrosodimethylamine	3.67	42	236	0.085	ng	# 1
22) Pentachlorophenol	16.87	266	43	0.258	ng	95
23) Phenanthrene	17.25	178	20193	0.242	ng	99
24) Anthracene	17.35	178	1630	0.021	ng	94
26) Fluoranthene	19.27	202	108294	0.921	ng	100
28) Pyrene	19.63	202	90872	0.725	ng	# 95
30) Benzo(a)anthracene	21.37	228	45130	0.347	ng	99
31) Chrysene	21.43	228	63510	0.488	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	49999	0.296	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	45841	0.328	ng	98
35) Benzo(b)fluoranthene	23.12	252	97130	0.693	ng	98
36) Benzo(k)fluoranthene	23.12	252	97130	0.707	ng	99
37) Benzo(a)pyrene	23.78	252	53913	0.416	ng	97
38) Dibenzo(a,h)anthracene	26.57	278	9922	0.079	ng	# 88
39) Benzo(g,h,i)perylene	27.37	276	47643	0.368	ng	99

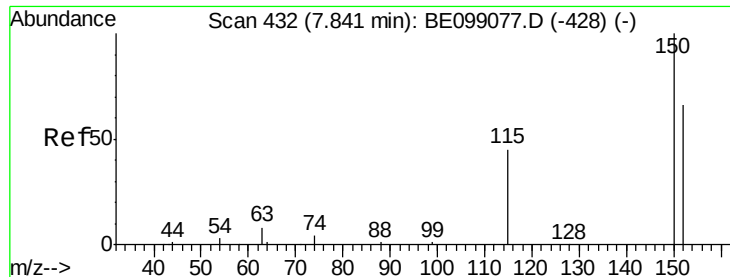
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
Data File : BE099132.D
Acq On : 24 Mar 2019 4:20
Operator : JU/SJ
Sample : K1948-12
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

Quant Time: Mar 24 23:01:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 23 04:40:11 2019
Response via : Initial Calibration



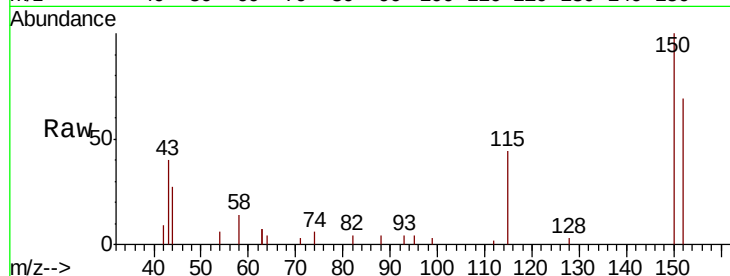


#1

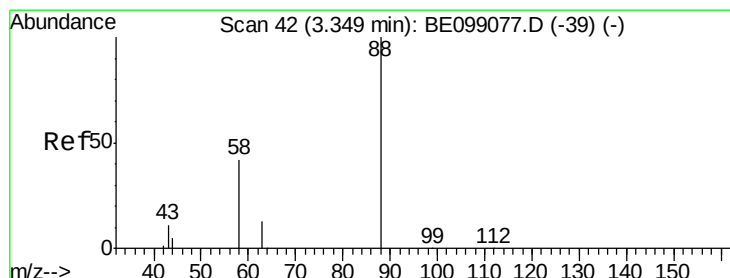
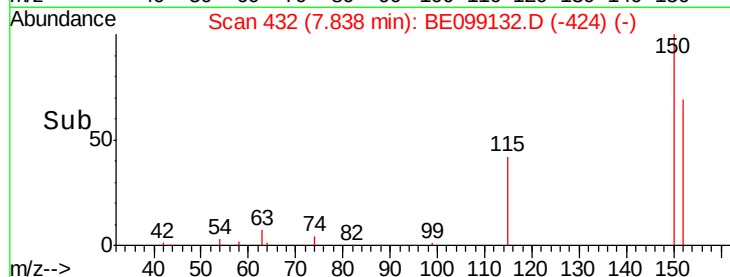
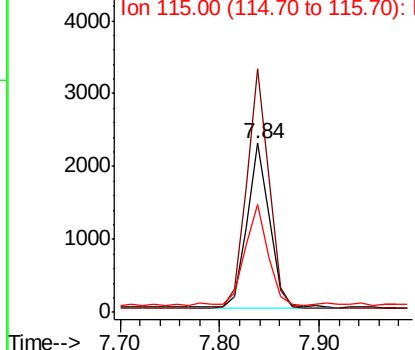
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

Tgt Ion: 152 Resp: 3480
Ion Ratio Lower Upper
152 100
150 144.0 122.5 183.7
115 63.8 57.4 86.2



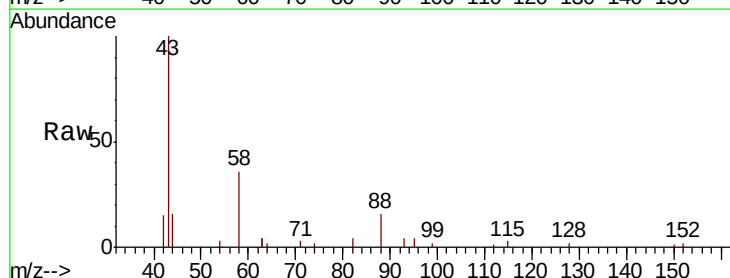
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



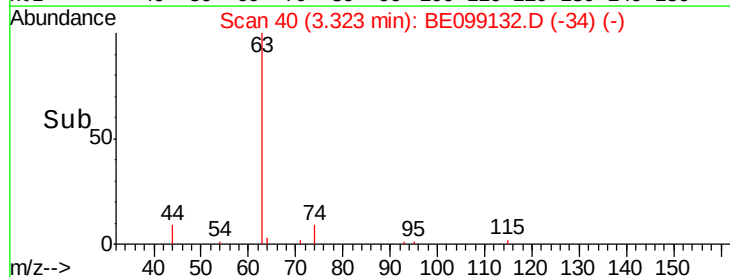
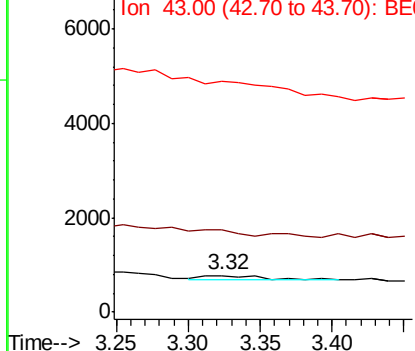
#2

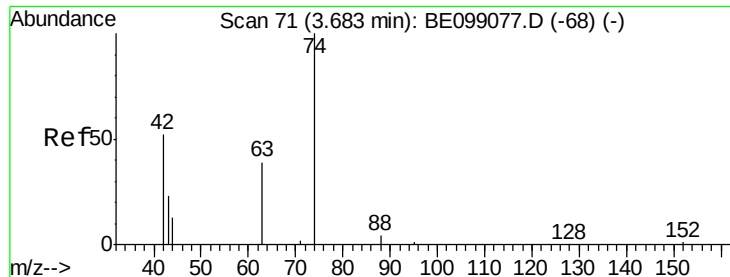
1,4-Dioxane
Concen: 0.036 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.03 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Tgt Ion: 88 Resp: 192
Ion Ratio Lower Upper
88 100
58 0.0 52.0 78.0#
43 0.0 24.0 36.0#



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: 0.085 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

ClientSampleId :

PST-025-SW079-031319

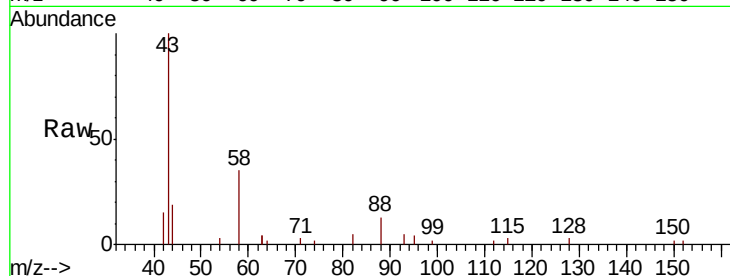
Tgt Ion: 42 Resp: 236

Ion Ratio Lower Upper

42 100

74 8.5 160.0 240.0#

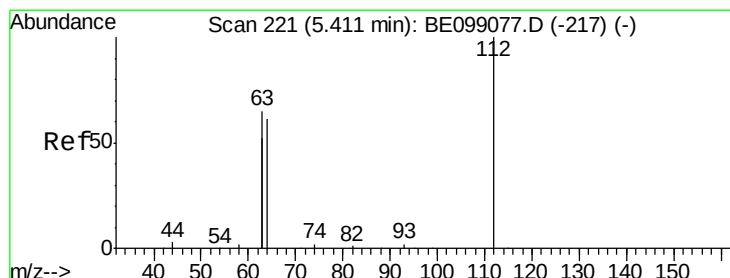
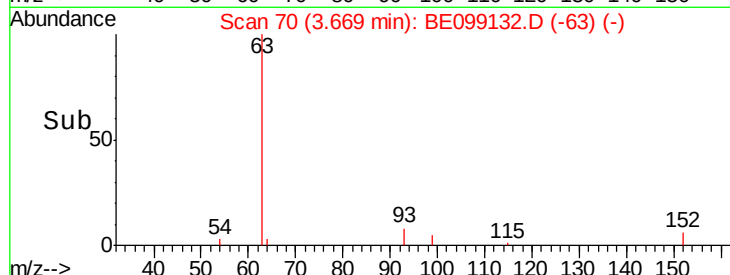
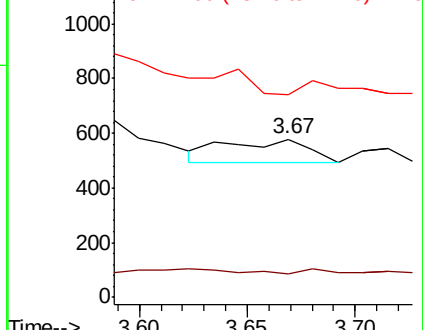
44 35.2 0.0 0.0#



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: 0.382 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

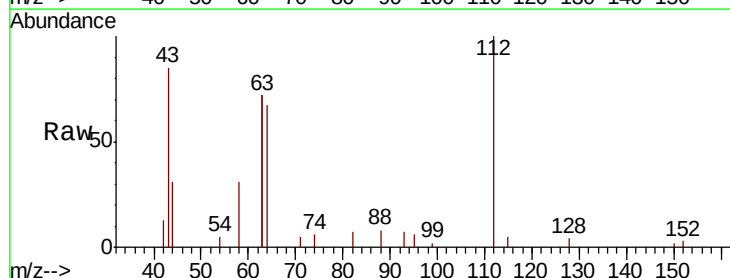
Tgt Ion: 112 Resp: 3959

Ion Ratio Lower Upper

112 100

64 59.7 57.9 86.9

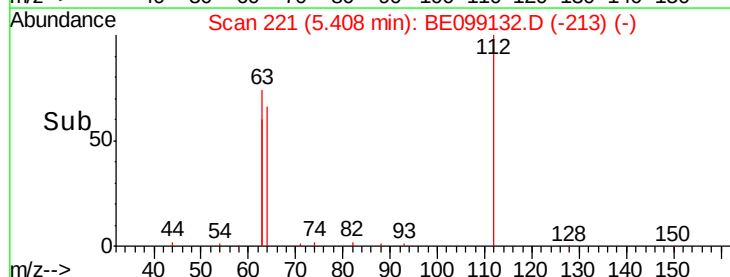
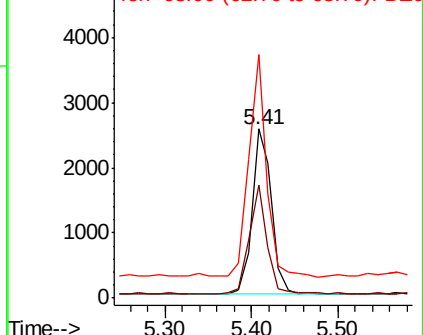
63 123.6 158.3 237.5#

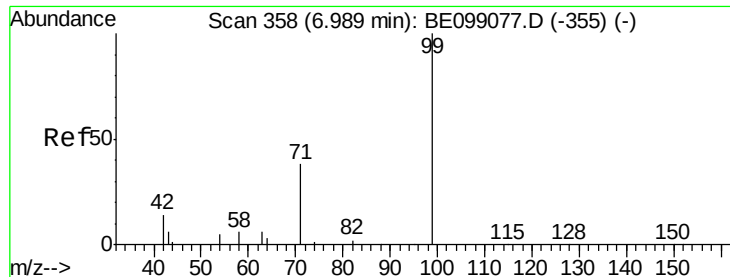


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.387 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

ClientSampleId :

PST-025-SW079-031319

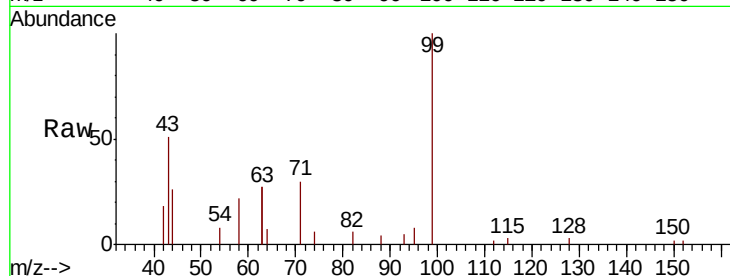
Tgt Ion: 99 Resp: 5769

Ion Ratio Lower Upper

99 100

42 18.8 24.2 36.2#

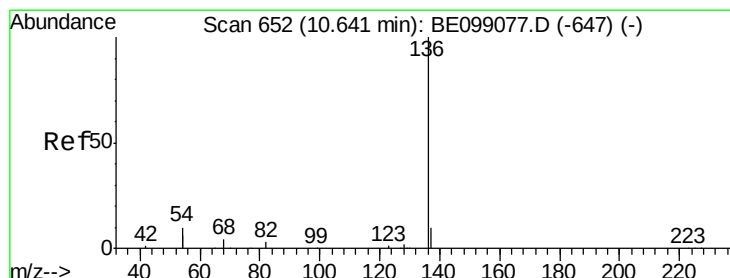
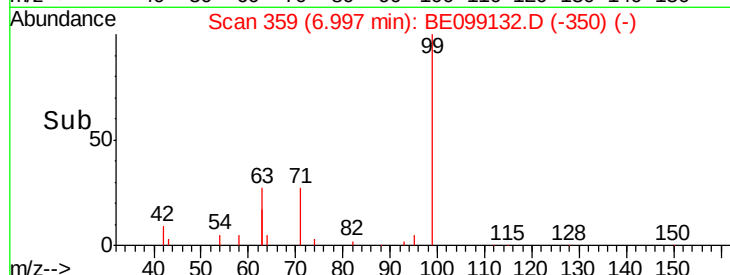
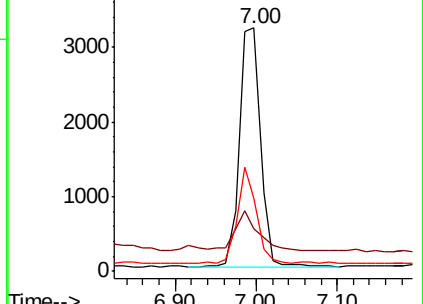
71 36.4 35.7 53.5



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Tgt Ion: 136 Resp: 14044

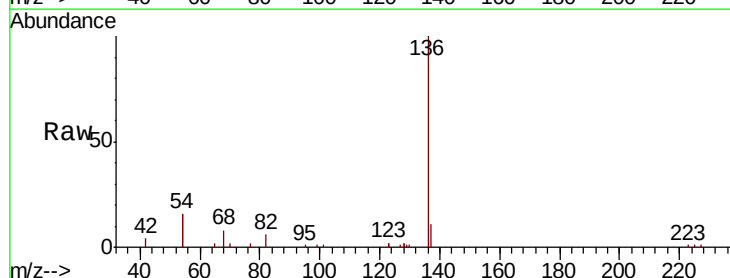
Ion Ratio Lower Upper

136 100

137 11.1 11.4 17.0#

54 31.7 39.3 58.9#

68 8.1 6.7 10.1

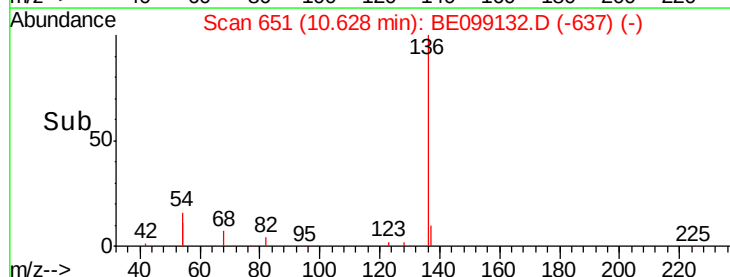
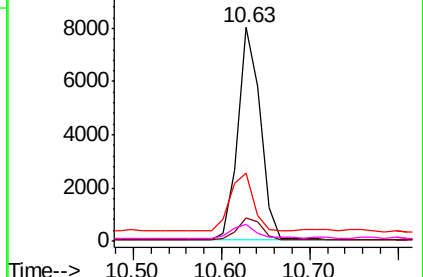


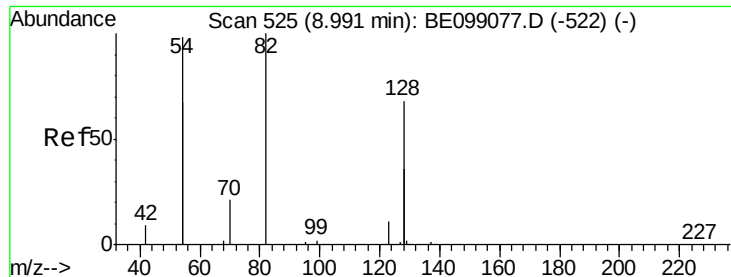
Abundance Ion 136.00 (135.70 to 136.70): E

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

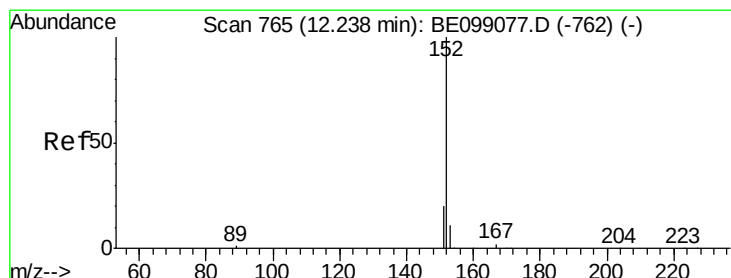
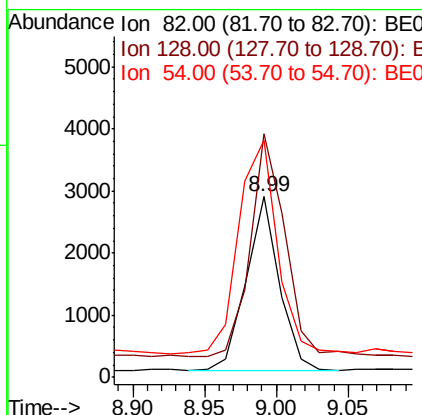
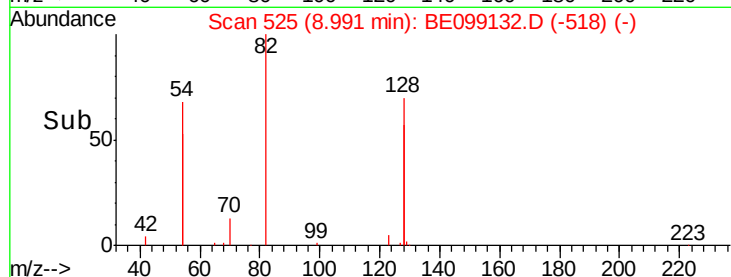
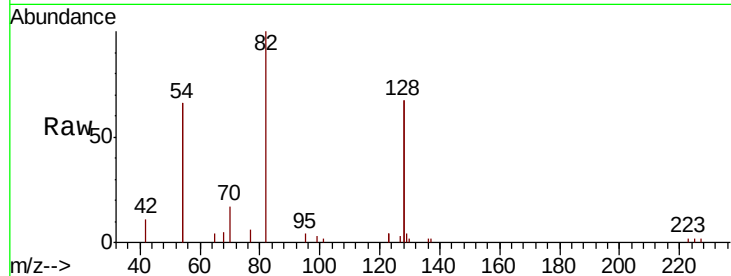




#8
 Nitrobenzene-d5
 Concen: 0.732 ng
 RT: 8.99 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: BE099132.D
 Acq: 24 Mar 2019 4:20

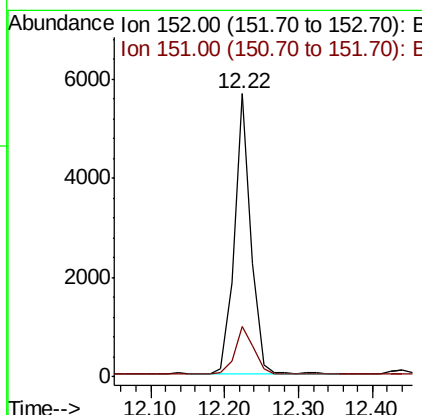
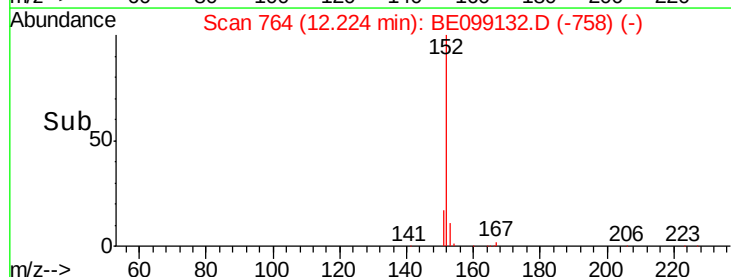
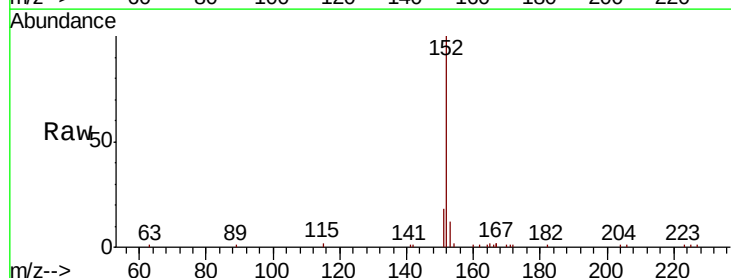
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW079-031319

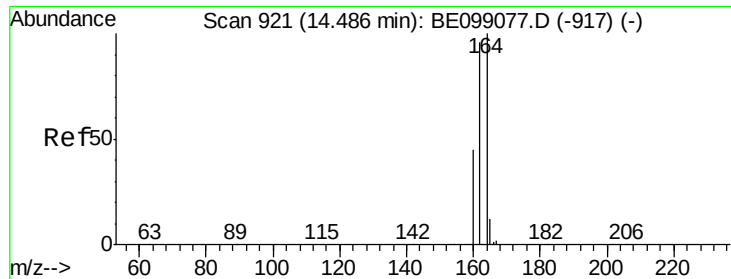
Tgt Ion: 82 Resp: 4497
 Ion Ratio Lower Upper
 82 100
 128 134.8 123.8 185.8
 54 131.0 203.4 305.2#



#11
 2-Methylnaphthalene-d10
 Concen: 0.345 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BE099132.D
 Acq: 24 Mar 2019 4:20

Tgt Ion: 152 Resp: 8723
 Ion Ratio Lower Upper
 152 100
 151 19.8 16.5 24.7

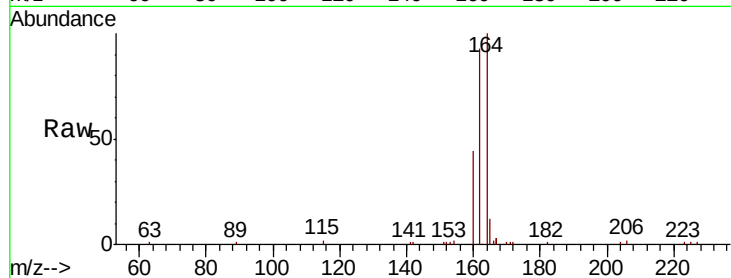




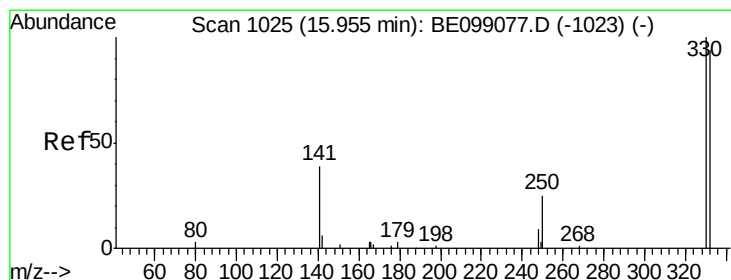
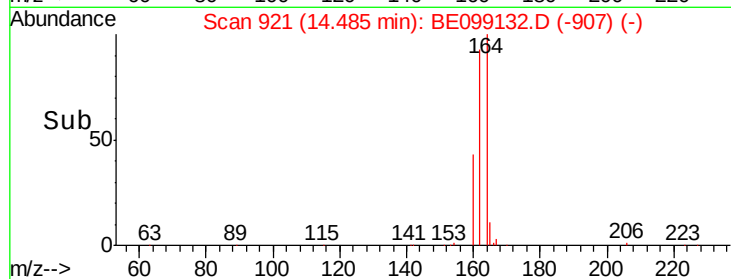
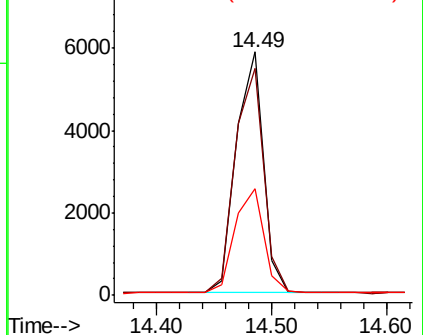
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

Tgt Ion:164 Resp: 9600
Ion Ratio Lower Upper
164 100
162 93.3 80.2 120.2
160 43.9 37.8 56.8

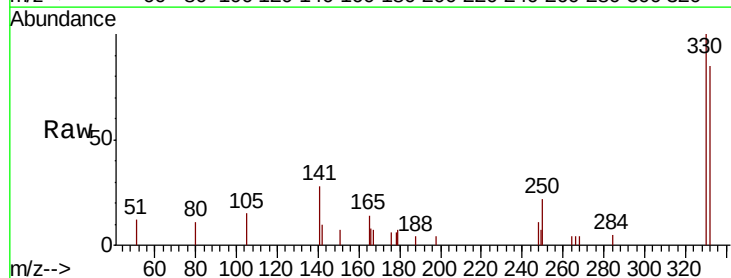


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

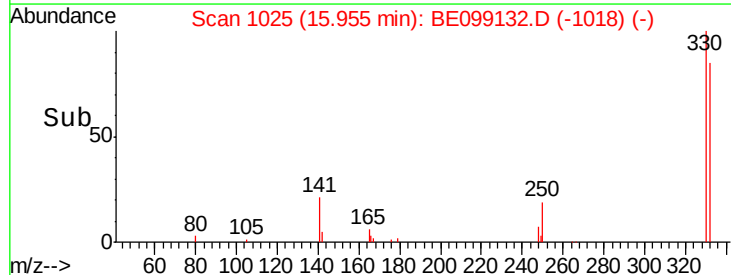
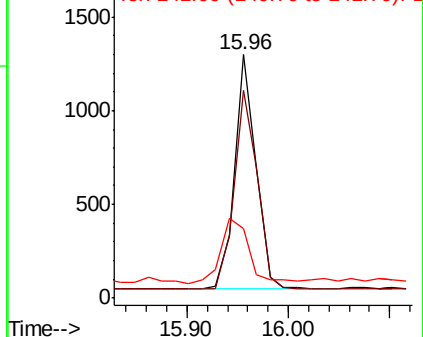


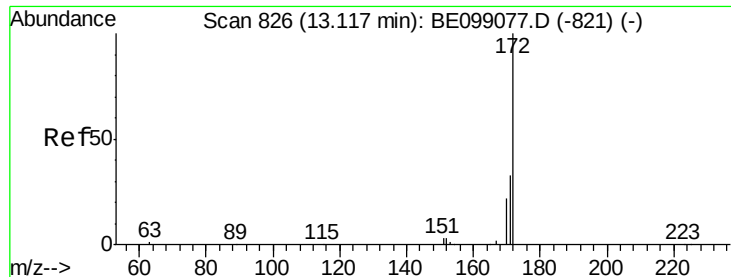
#14
2,4,6-Tribromophenol
Concen: 0.648 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Tgt Ion:330 Resp: 1830
Ion Ratio Lower Upper
330 100
332 92.0 77.6 116.4
141 36.5 31.0 46.4



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

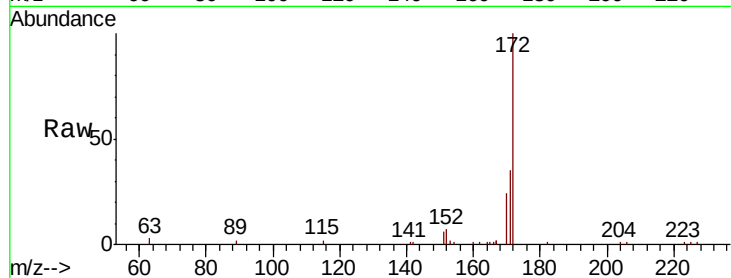




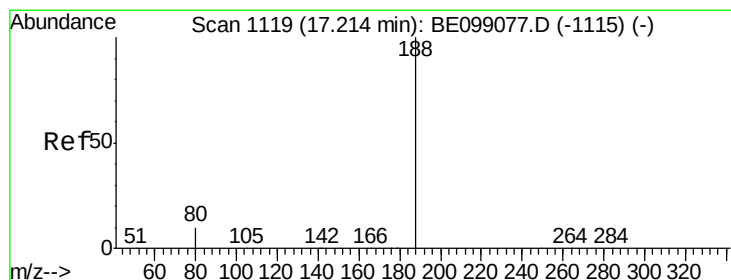
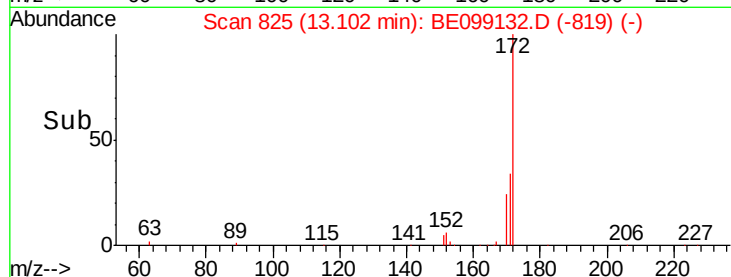
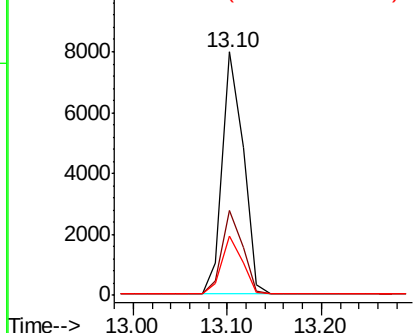
#15
2-Fluorobiphenyl
Concen: 0.319 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

Tgt Ion:172 Resp: 12177
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 24.5 17.7 26.5

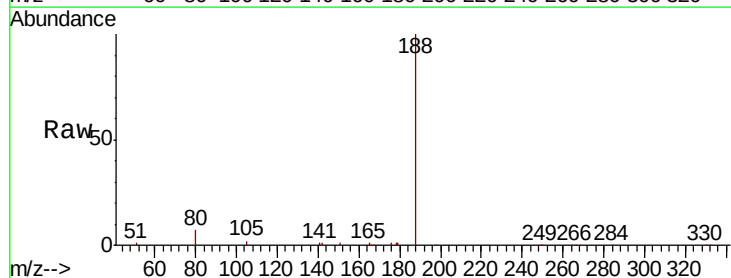


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

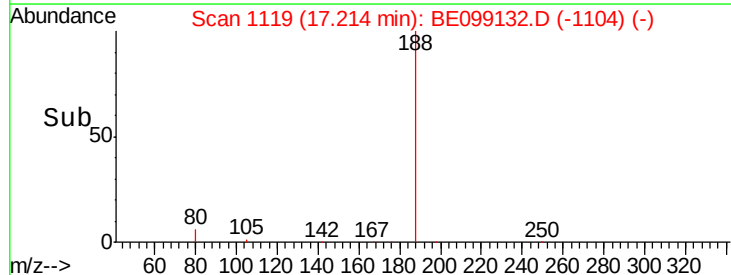
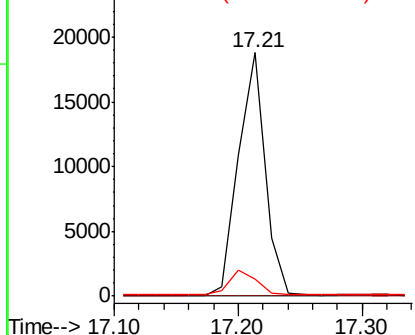


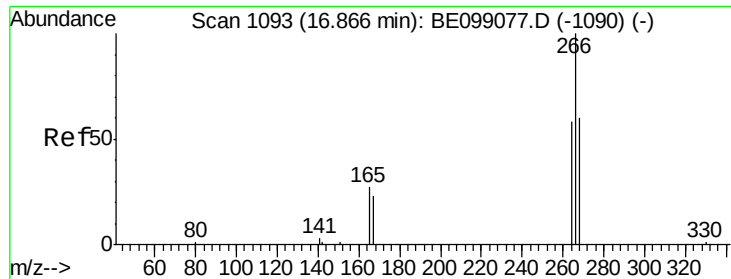
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Tgt Ion:188 Resp: 28149
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.9 6.3 9.5



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





#22

Pentachlorophenol

Concen: 0.258 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

ClientSampleId :

PST-025-SW079-031319

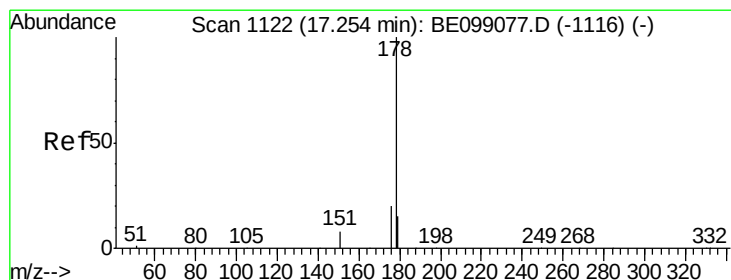
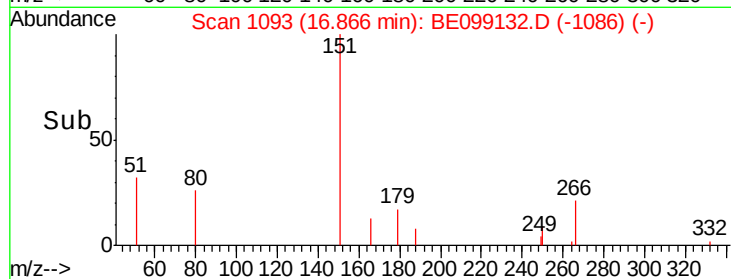
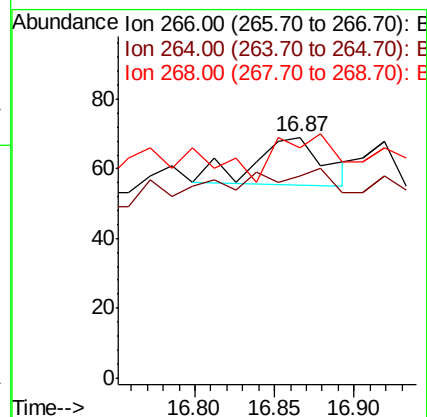
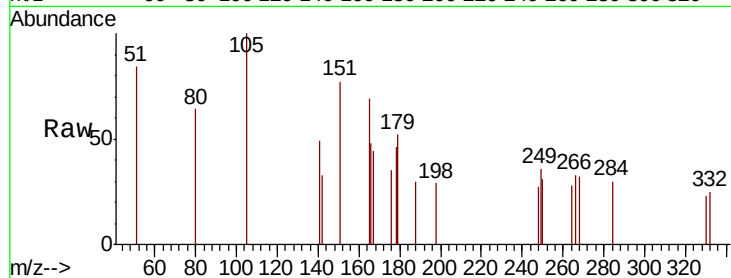
Tgt Ion: 266 Resp: 43

Ion Ratio Lower Upper

266 100

264 84.1 66.6 100.0

268 95.7 69.8 104.8



#23

Phenanthrene

Concen: 0.242 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

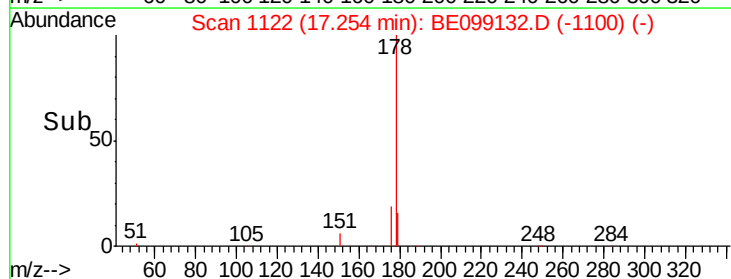
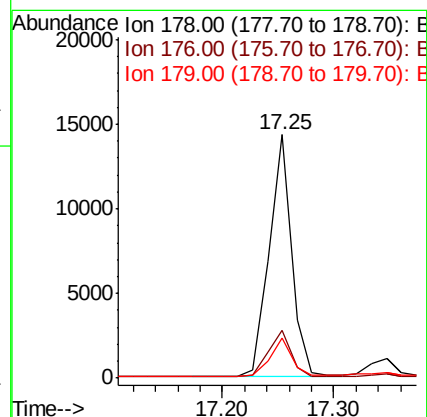
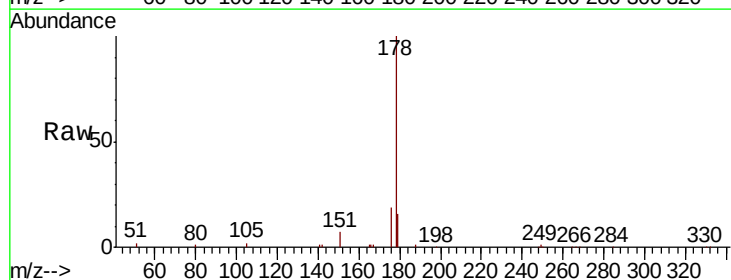
Tgt Ion: 178 Resp: 20193

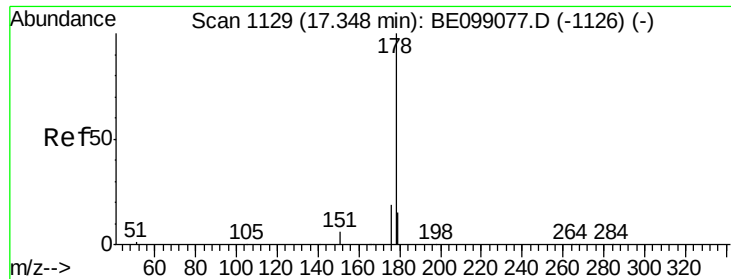
Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

179 15.6 12.1 18.1





#24

Anthracene

Concen: 0.021 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

ClientSampleId :

PST-025-SW079-031319

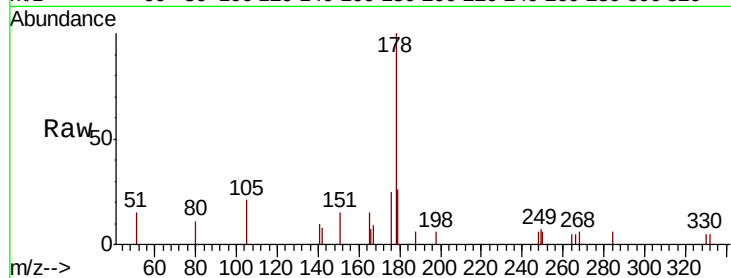
Tgt Ion:178 Resp: 1630

Ion Ratio Lower Upper

178 100

176 21.9 15.4 23.0

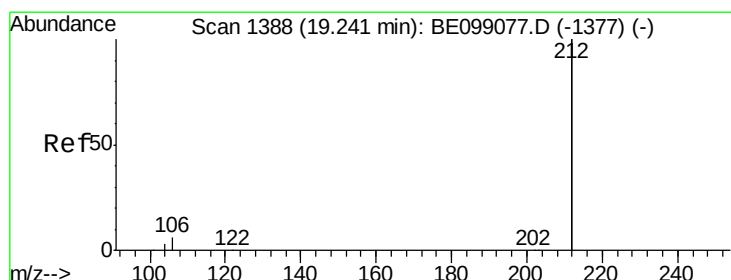
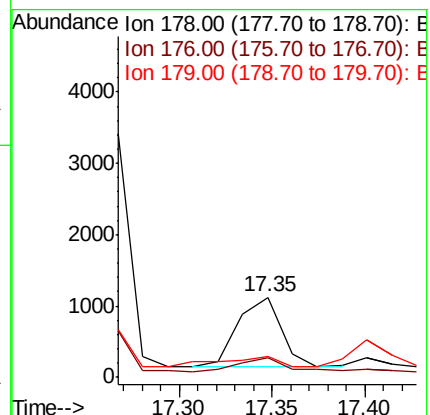
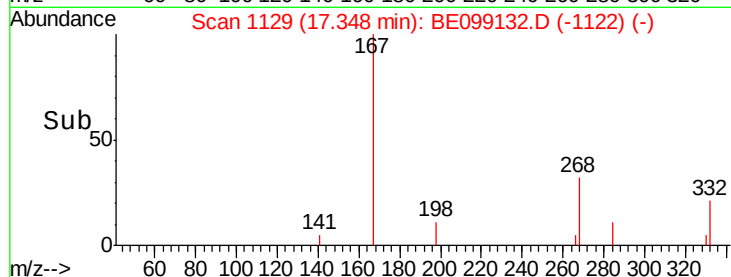
179 18.2 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.324 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

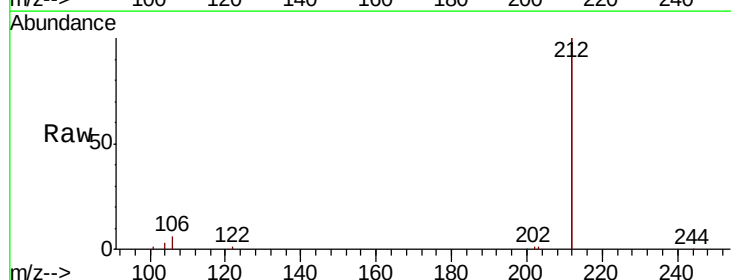
Tgt Ion:212 Resp: 121693

Ion Ratio Lower Upper

212 100

106 2.6 1.8 2.8

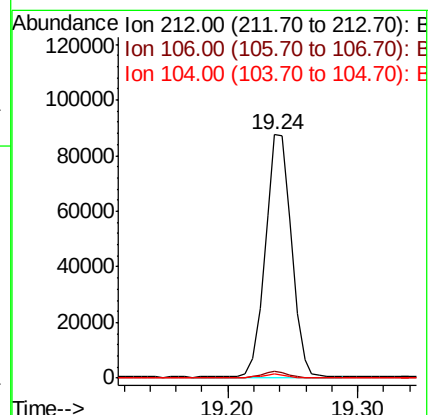
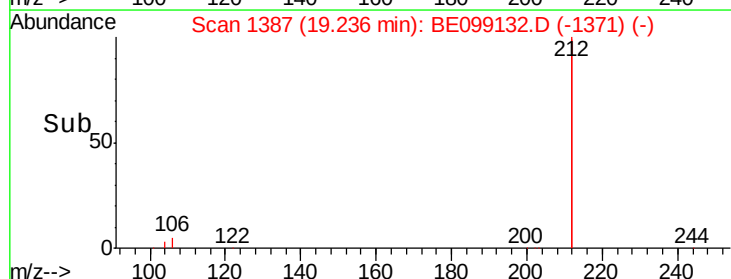
104 1.5 1.0 1.6

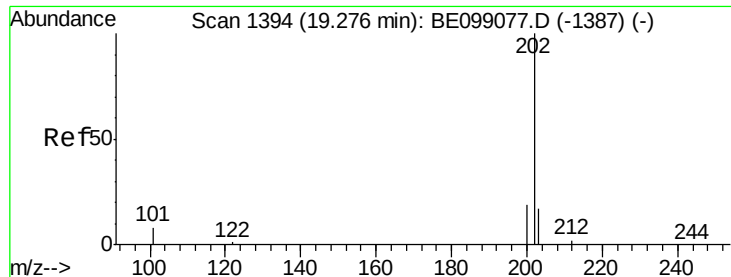


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

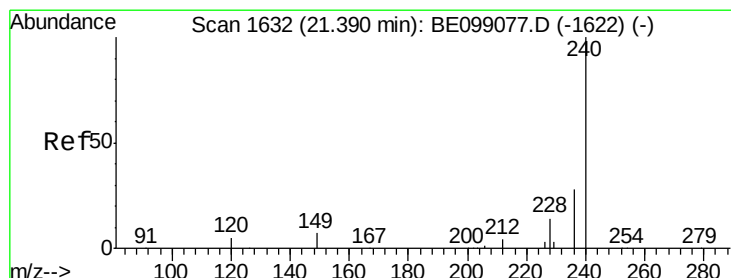
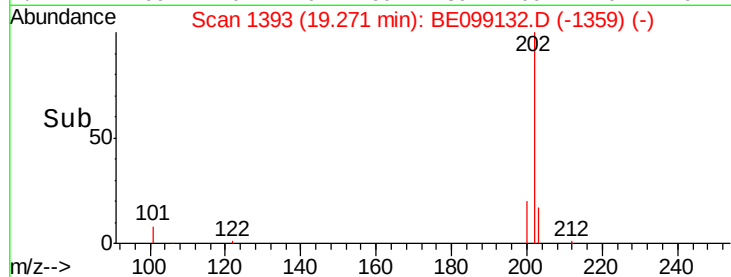
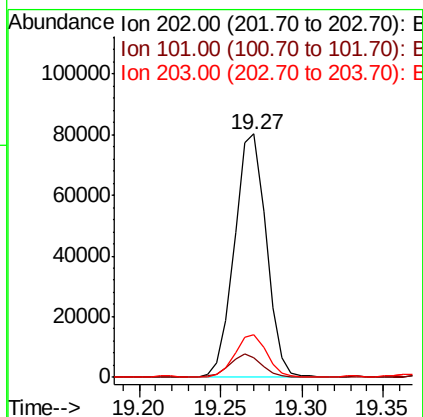
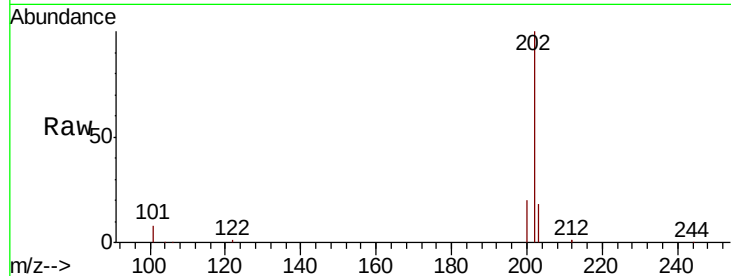




#26
Fluoranthene
Concen: 0.921 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

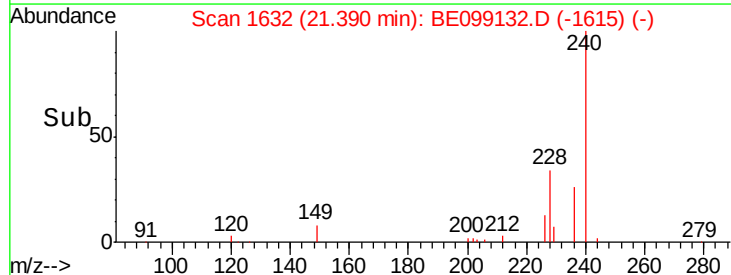
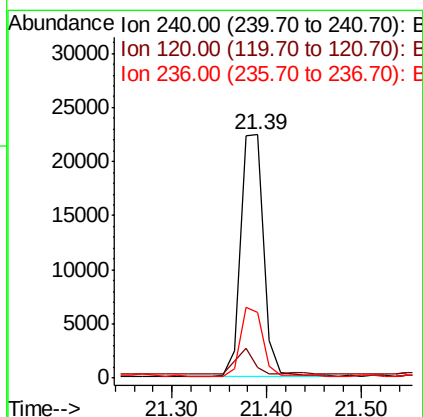
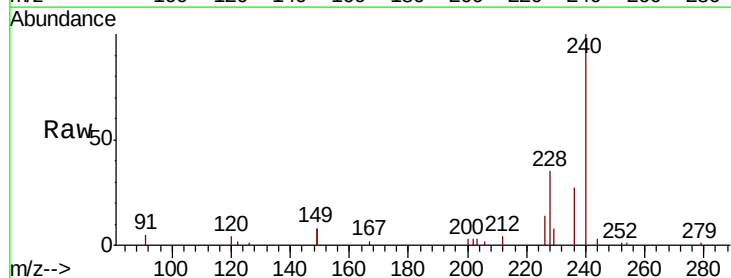
Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

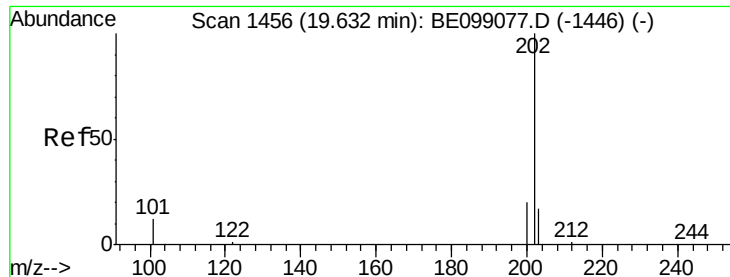
Tgt Ion: 202 Resp: 108294
Ion Ratio Lower Upper
202 100
101 9.1 7.3 10.9
203 17.1 13.4 20.2



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Tgt Ion: 240 Resp: 36953
Ion Ratio Lower Upper
240 100
120 4.4 5.0 7.4#
236 26.9 22.7 34.1





#28

Pyrene

Concen: 0.725 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

ClientSampleId :

PST-025-SW079-031319

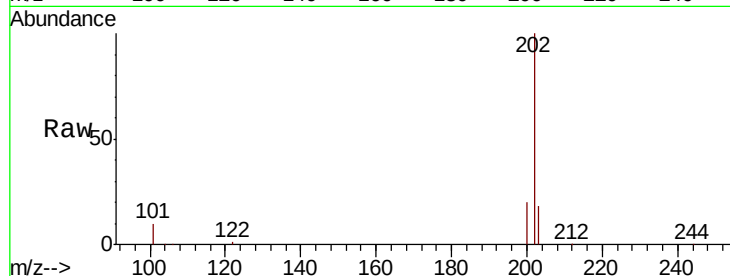
Tgt Ion:202 Resp: 90872

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.6

203 21.5 14.2 21.2#

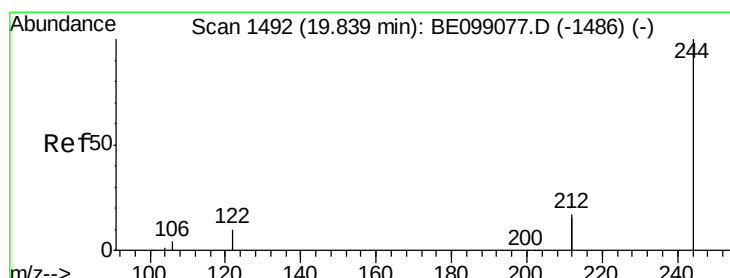
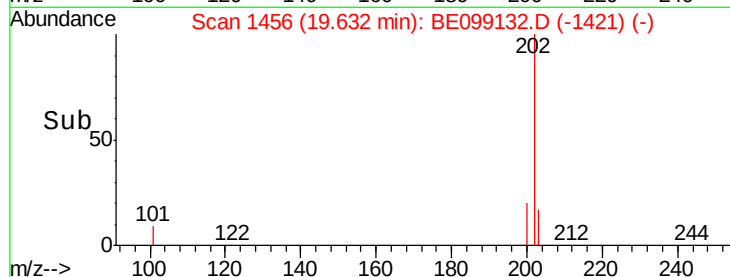
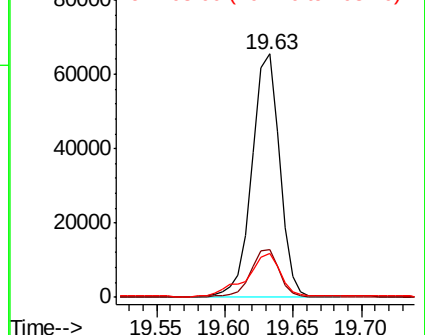


Abundance

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: 0.241 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

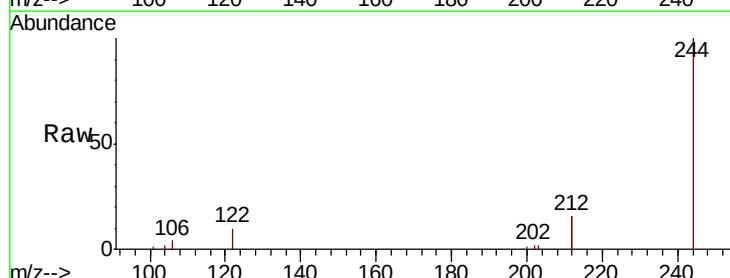
Tgt Ion:244 Resp: 18871

Ion Ratio Lower Upper

244 100

212 31.4 29.4 44.2

122 9.9 7.1 10.7

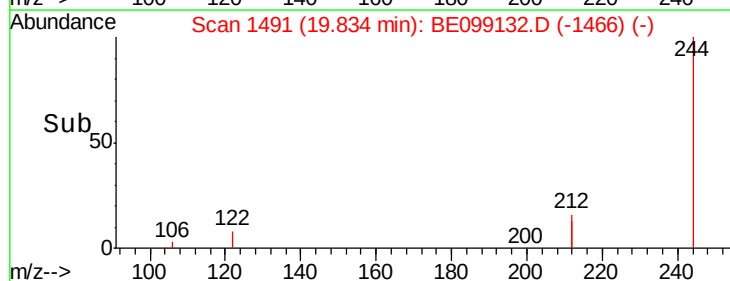
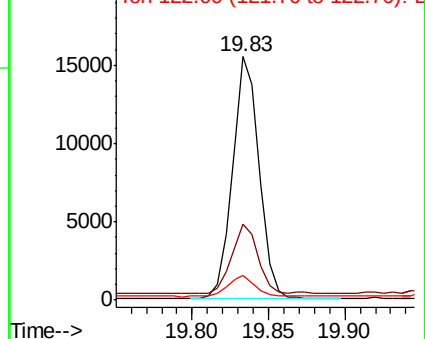


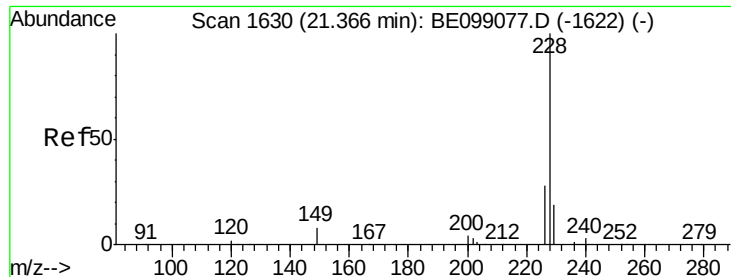
Abundance

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: 0.347 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

ClientSampleId :

PST-025-SW079-031319

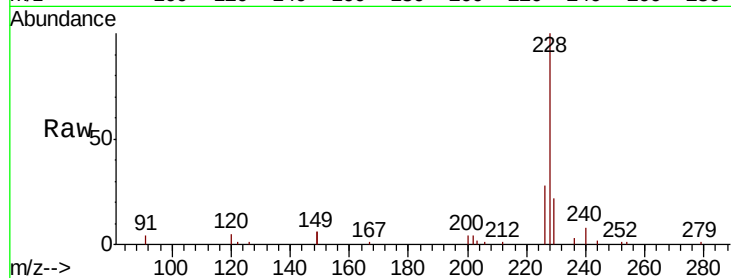
Tgt Ion:228 Resp: 45130

Ion Ratio Lower Upper

228 100

226 28.3 23.0 34.4

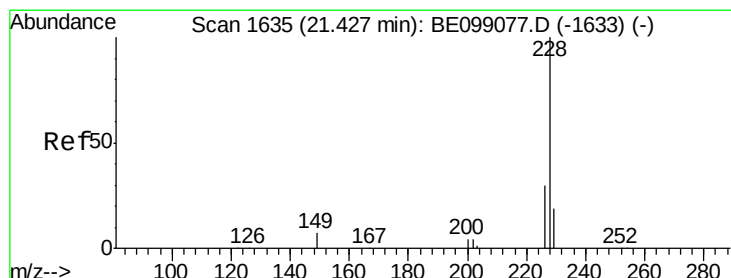
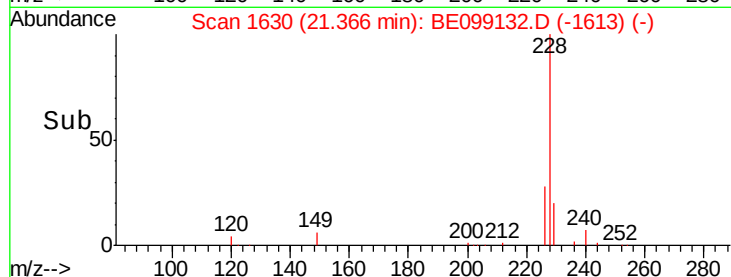
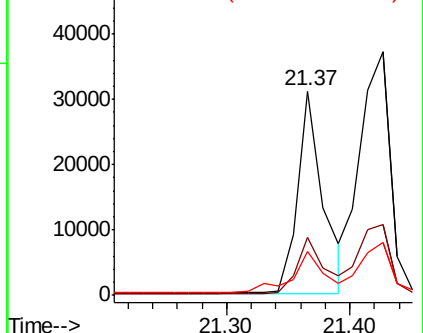
229 21.5 16.5 24.7



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: 0.488 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

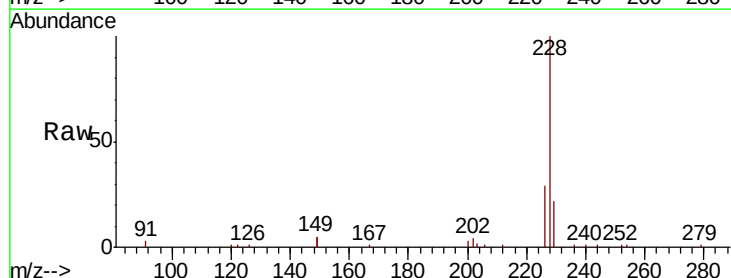
Tgt Ion:228 Resp: 63510

Ion Ratio Lower Upper

228 100

226 28.9 23.7 35.5

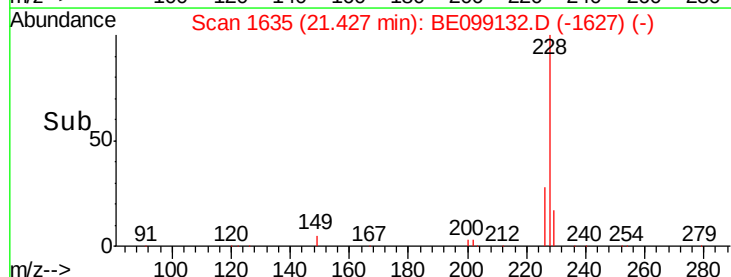
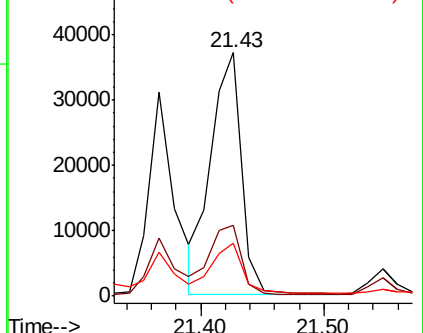
229 22.0 16.1 24.1

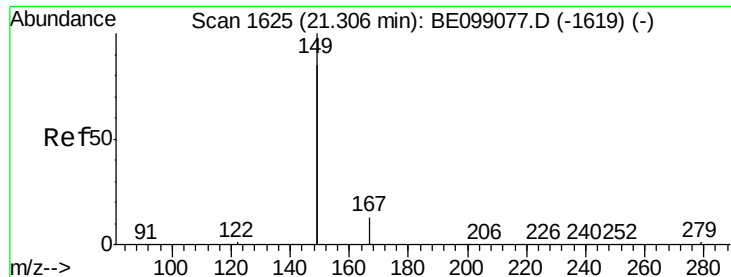


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

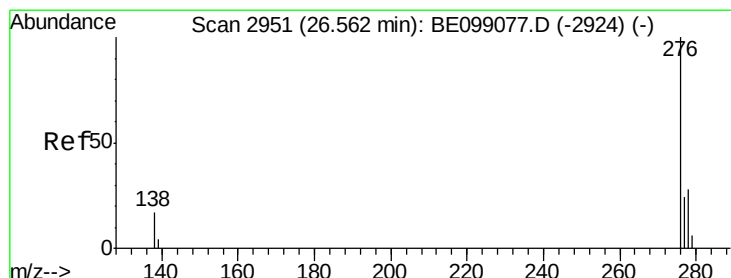
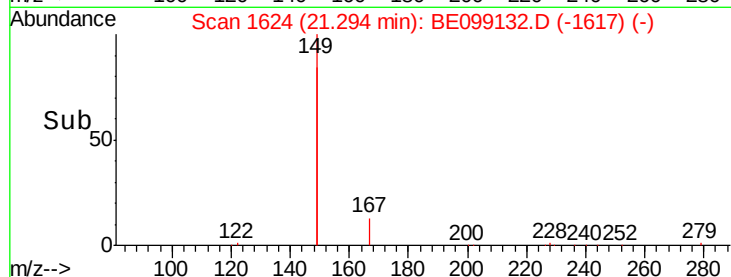
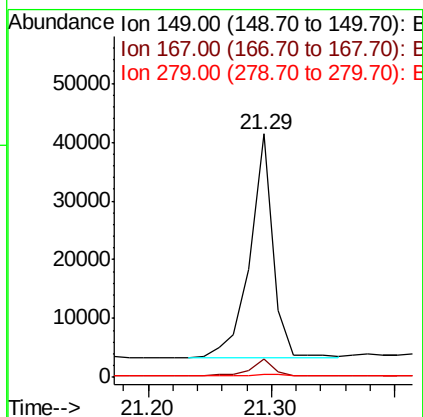
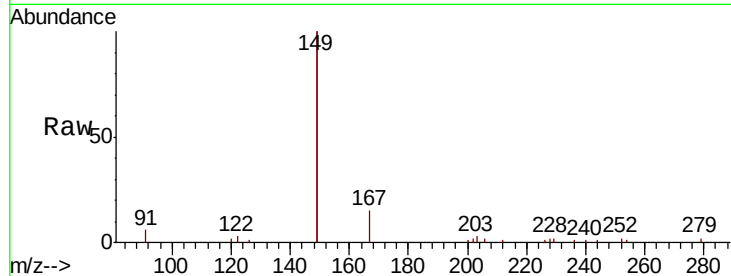




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.296 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BE099132.D
 Acq: 24 Mar 2019 4:20

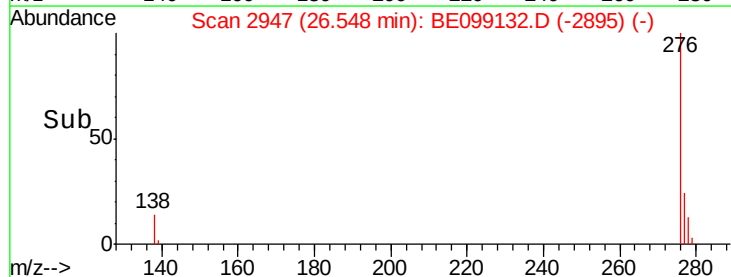
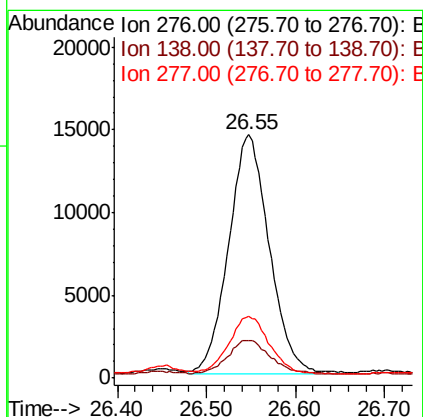
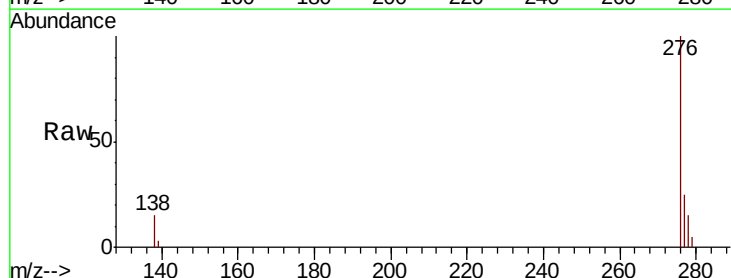
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW079-031319

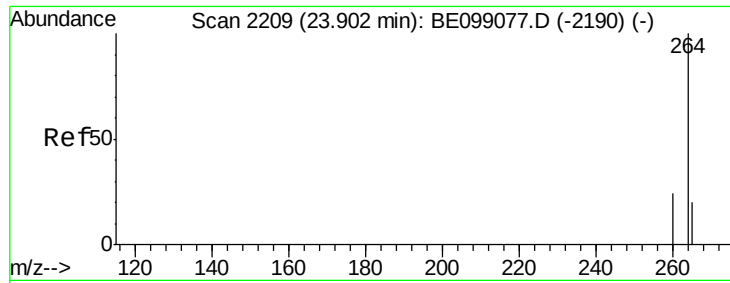
Tgt Ion:149 Resp: 49999
 Ion Ratio Lower Upper
 149 100
 167 7.2 5.4 8.0
 279 1.2 1.0 1.4



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.328 ng
 RT: 26.55 min Scan# 2947
 Delta R.T. -0.01 min
 Lab File: BE099132.D
 Acq: 24 Mar 2019 4:20

Tgt Ion:276 Resp: 45841
 Ion Ratio Lower Upper
 276 100
 138 14.9 13.8 20.8
 277 24.3 19.5 29.3

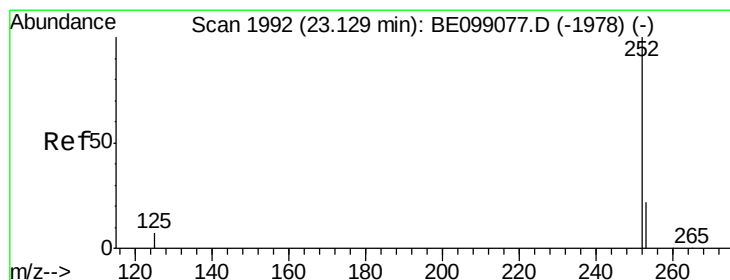
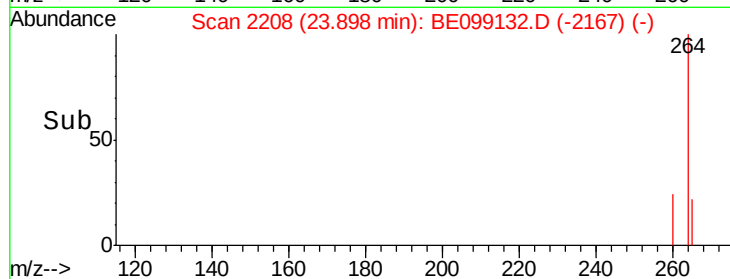
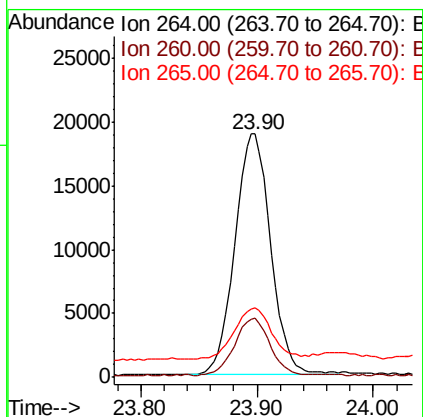
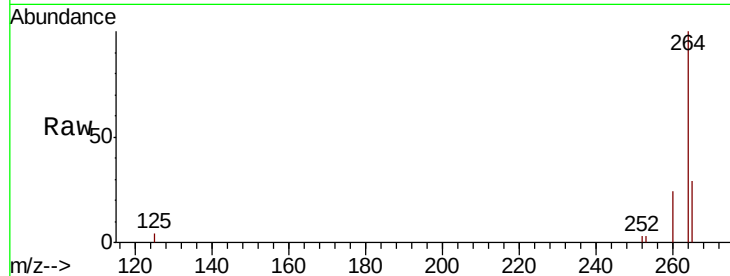




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE099132.D
 Acq: 24 Mar 2019 4:20

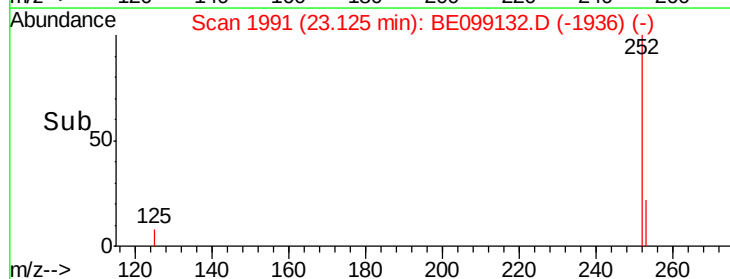
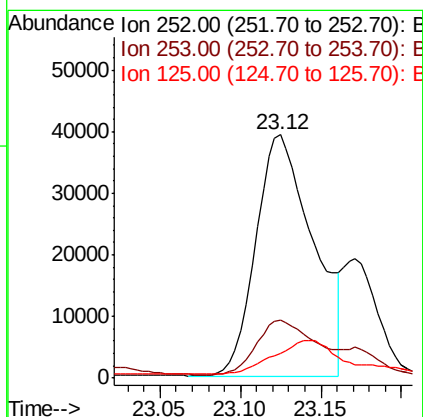
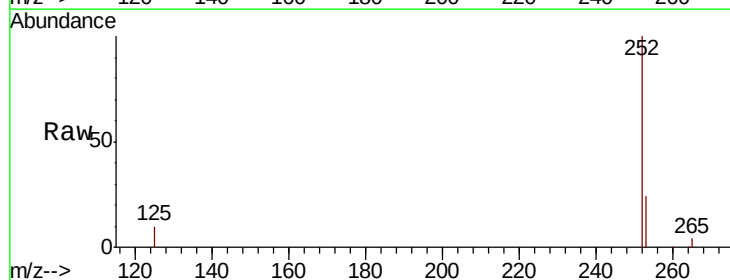
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW079-031319

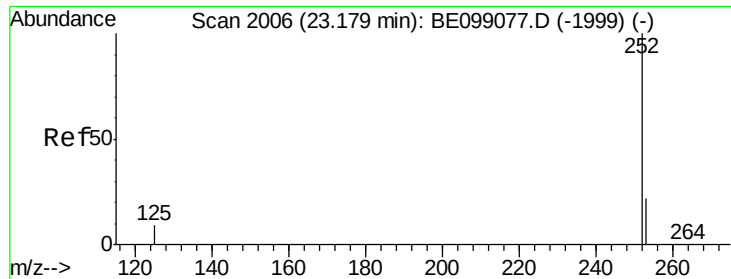
Tgt Ion: 264 Resp: 40514
 Ion Ratio Lower Upper
 264 100
 260 24.3 21.2 31.8
 265 28.8 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.693 ng
 RT: 23.12 min Scan# 1991
 Delta R.T. -0.00 min
 Lab File: BE099132.D
 Acq: 24 Mar 2019 4:20

Tgt Ion: 252 Resp: 97130
 Ion Ratio Lower Upper
 252 100
 253 23.6 18.2 27.2
 125 10.3 7.3 10.9

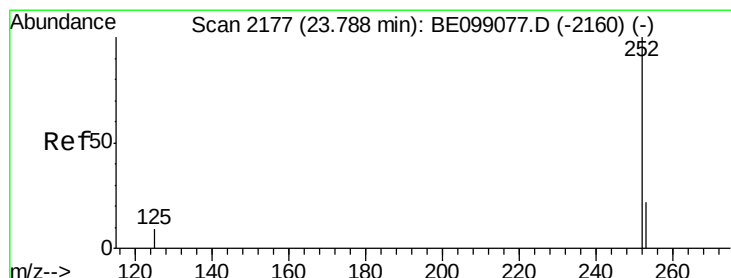
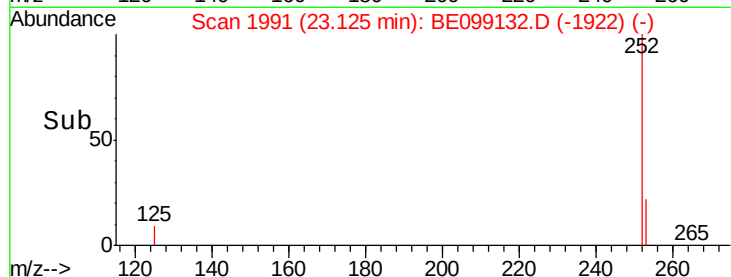
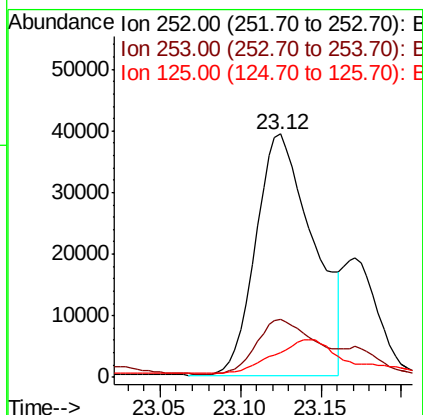
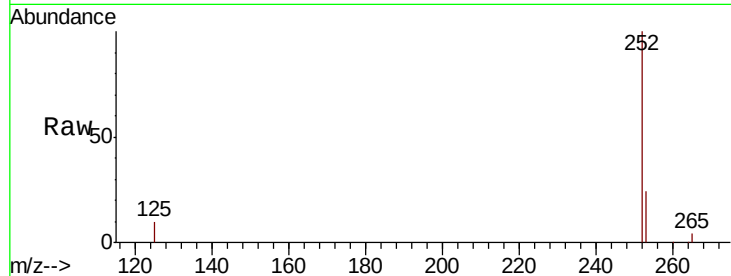




#36
Benzo(k)fluoranthene
Concen: 0.707 ng
RT: 23.12 min Scan# 1991
Delta R.T. -0.05 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

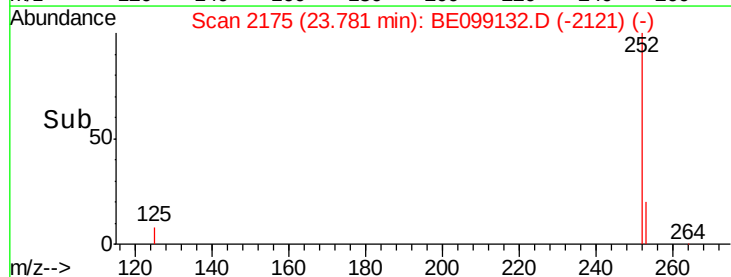
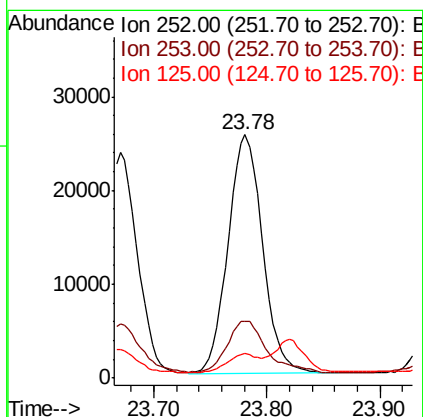
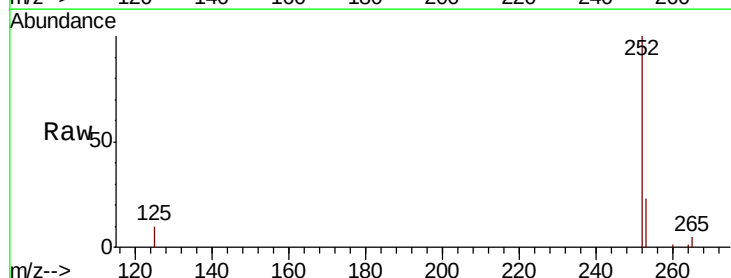
Instrument :
BNA_E
ClientSampleId :
PST-025-SW079-031319

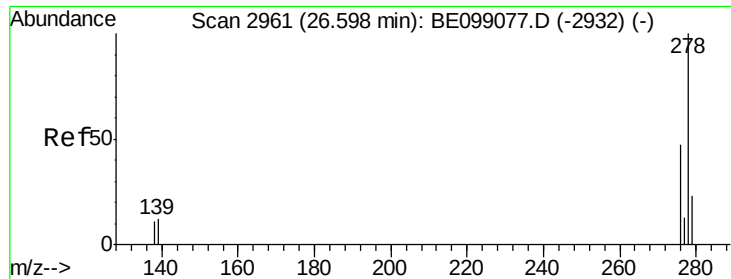
Tgt Ion: 252 Resp: 97130
Ion Ratio Lower Upper
252 100
253 23.6 19.3 28.9
125 10.3 7.5 11.3



#37
Benzo(a)pyrene
Concen: 0.416 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE099132.D
Acq: 24 Mar 2019 4:20

Tgt Ion: 252 Resp: 53913
Ion Ratio Lower Upper
252 100
253 23.2 19.9 29.9
125 10.1 9.0 13.4





#38

Dibenzo(a,h)anthracene

Concen: 0.079 ng

RT: 26.57 min Scan# 2952

Delta R.T. -0.03 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

Instrument :

BNA_E

ClientSampleId :

PST-025-SW079-031319

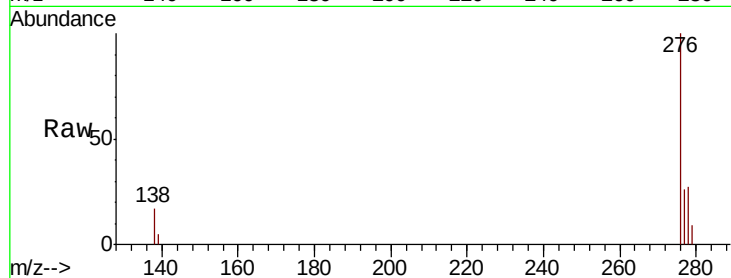
Tgt Ion: 278 Resp: 9922

Ion Ratio Lower Upper

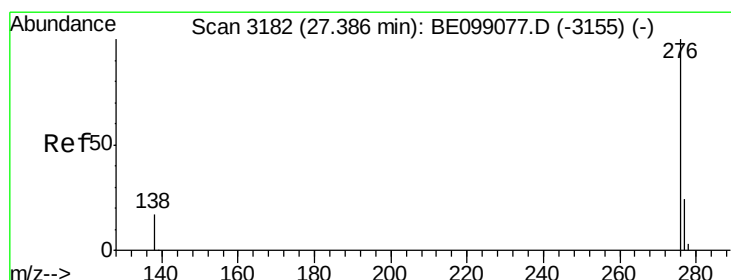
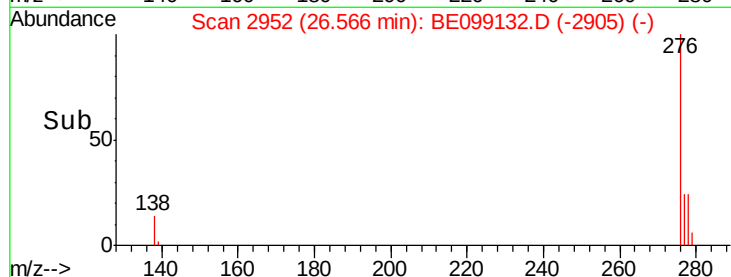
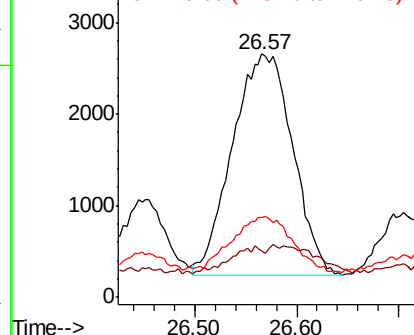
278 100

139 19.1 11.8 17.6#

279 33.0 21.1 31.7#



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: 0.368 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BE099132.D

Acq: 24 Mar 2019 4:20

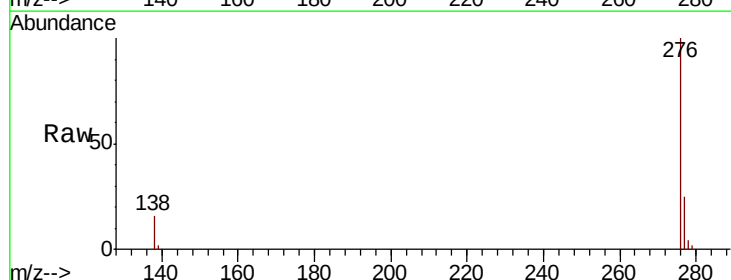
Tgt Ion: 276 Resp: 47643

Ion Ratio Lower Upper

276 100

277 24.9 20.4 30.6

138 16.3 13.6 20.4



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

