

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099100.D
 Acq On : 23 Mar 2019 3:39
 Operator : JU/SJ
 Sample : K2014-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW076-031819

Quant Time: Mar 23 07:06:50 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	3483	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	13325	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	8745	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	23463	0.40	ng	0.00
27) Chrysene-d12	21.39	240	35599	0.40	ng	0.00
34) Perylene-d12	23.90	264	39635	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4482	0.43	ng	0.00
5) Phenol-d6	6.99	99	6446	0.43	ng	0.00
8) Nitrobenzene-d5	8.99	82	3924	0.67	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	8179	0.34	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	1412	0.55	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	12438	0.36	ng	0.00
25) Fluoranthene-d10	19.24	212	106455	0.34	ng	0.00
29) Terphenyl-d14	19.84	244	21521	0.29	ng	0.00

Target Compounds

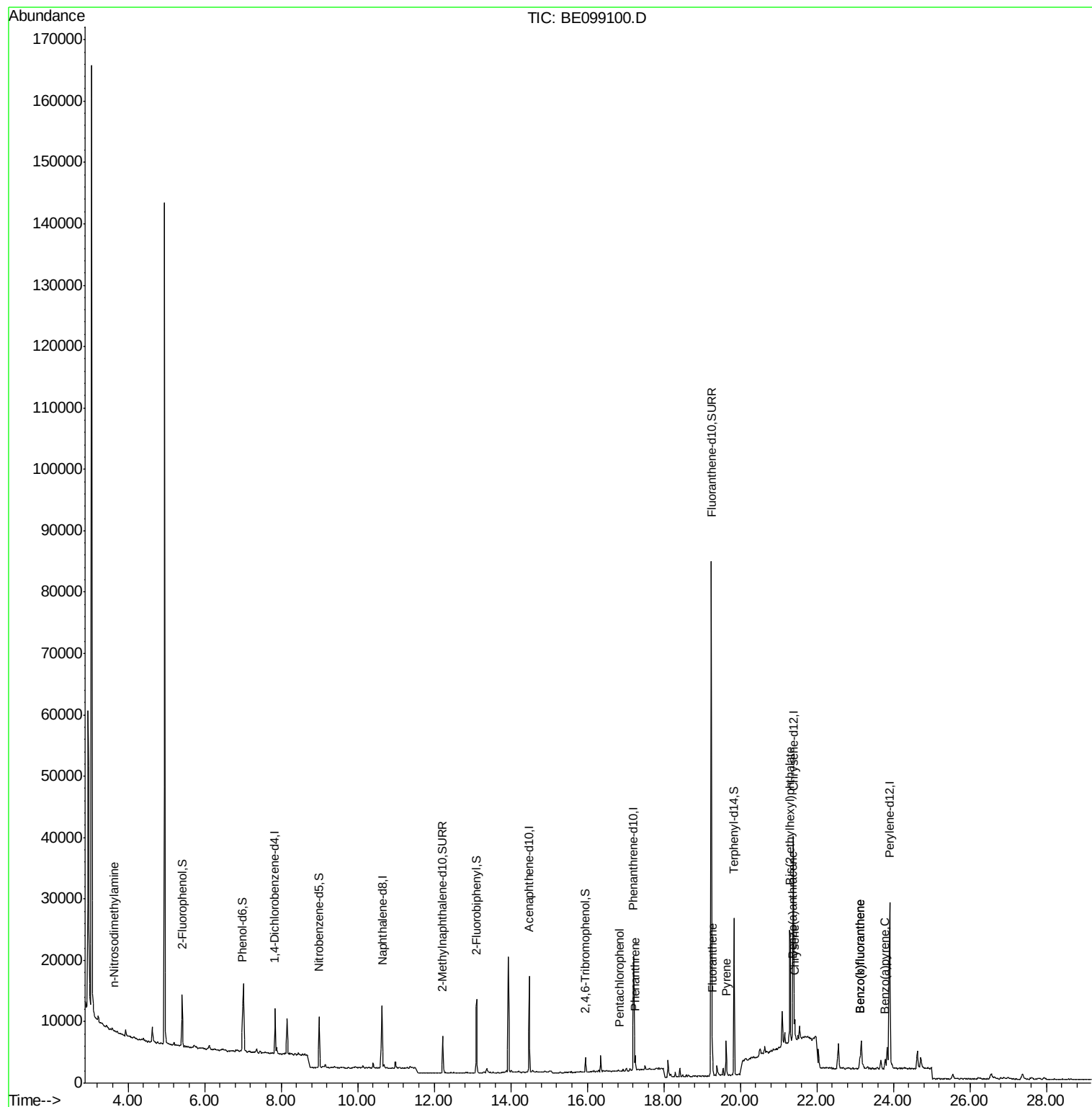
						Qvalue
3) n-Nitrosodimethylamine	3.64	42	230	0.082	ng	# 1
22) Pentachlorophenol	16.85	266	36	0.258	ng	# 82
23) Phenanthrene	17.25	178	2524	0.036	ng	# 95
26) Fluoranthene	19.27	202	4220	0.043	ng	# 96
28) Pyrene	19.63	202	4930	0.041	ng	# 95
30) Benzo(a)anthracene	21.37	228	3017	0.024	ng	# 93
31) Chrysene	21.43	228	3248	0.026	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.29	149	26968	0.166	ng	# 99
35) Benzo(b)fluoranthene	23.12	252	3702	0.027	ng	# 57
36) Benzo(k)fluoranthene	23.12	252	3702	0.028	ng	# 60
37) Benzo(a)pyrene	23.79	252	2711	0.021	ng	# 62

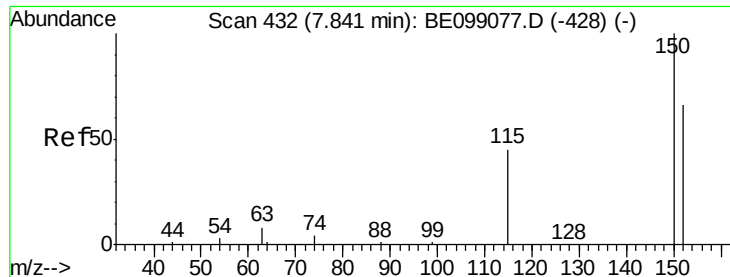
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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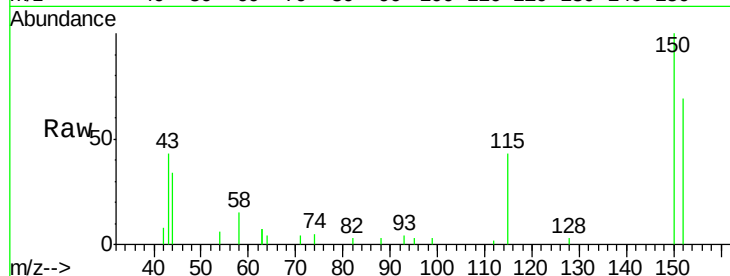


#1

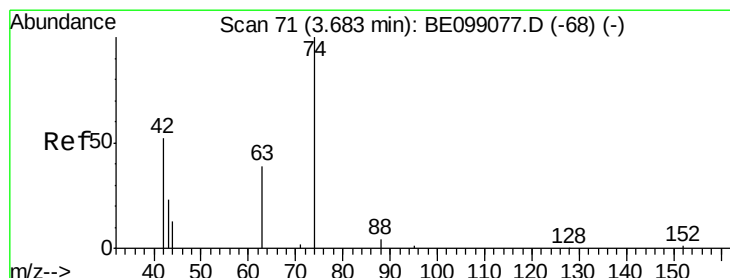
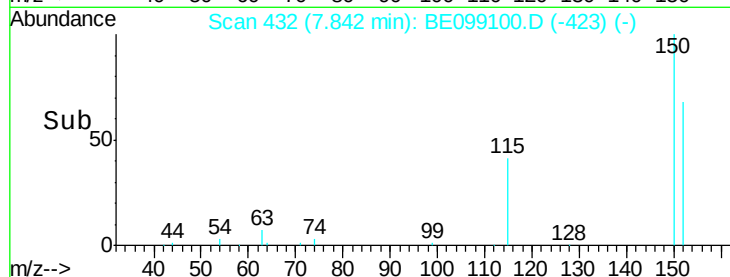
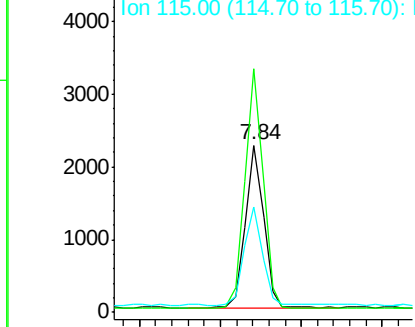
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099100.D
Acq: 23 Mar 2019 3:39

Instrument :
BNA_E
ClientSampleId :
PST-026-SW076-031819

Tgt Ion: 152 Resp: 3483
Ion Ratio Lower Upper
152 100
150 145.8 122.5 183.7
115 63.0 57.4 86.2



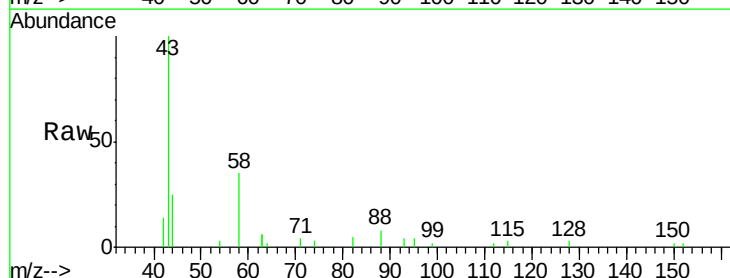
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



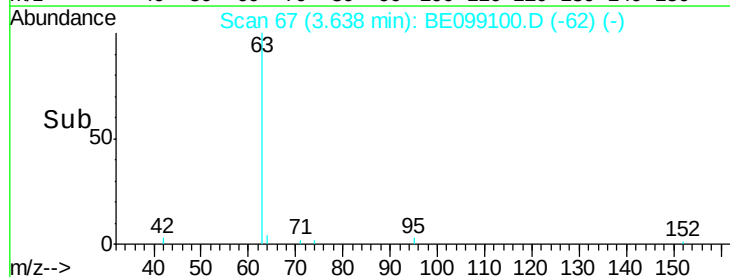
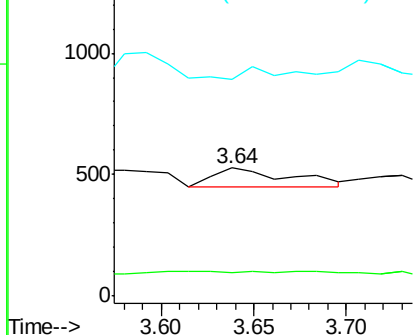
#3

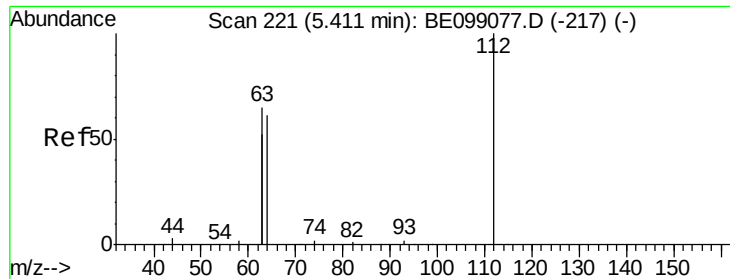
n-Nitrosodimethylamine
Concen: 0.082 ng
RT: 3.64 min Scan# 67
Delta R.T. -0.05 min
Lab File: BE099100.D
Acq: 23 Mar 2019 3:39

Tgt Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
74 0.0 160.0 240.0#
44 34.3 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: 0.432 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

Instrument :

BNA_E

ClientSampleId :

PST-026-SW076-031819

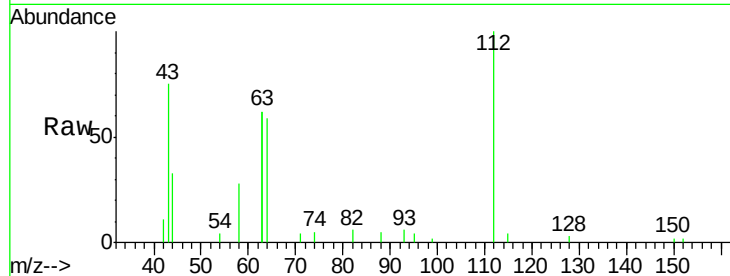
Tgt Ion: 112 Resp: 4482

Ion Ratio Lower Upper

112 100

64 58.6 57.9 86.9

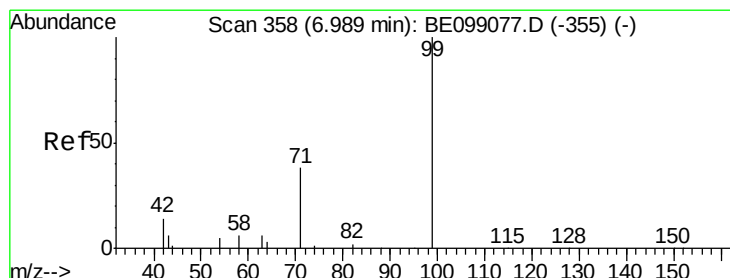
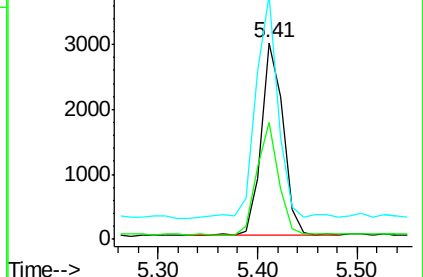
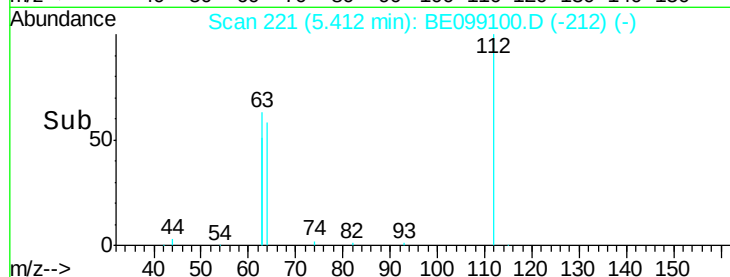
63 118.2 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.432 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

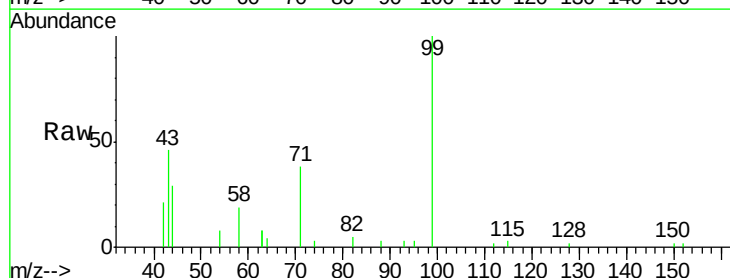
Tgt Ion: 99 Resp: 6446

Ion Ratio Lower Upper

99 100

42 18.0 24.2 36.2#

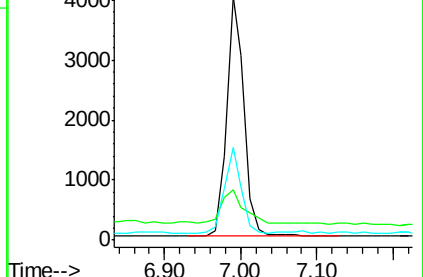
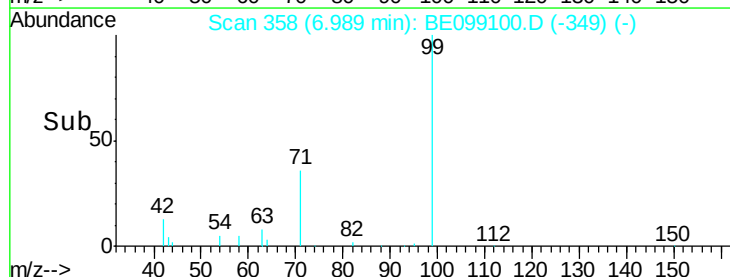
71 34.5 35.7 53.5#

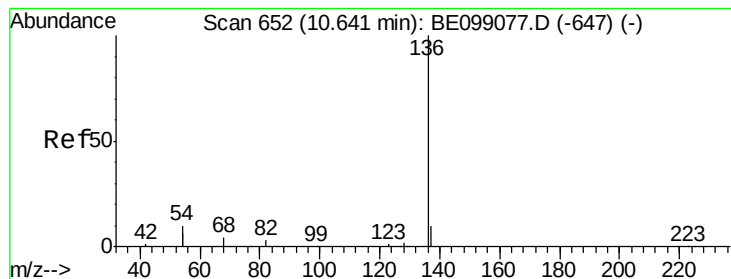


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

Instrument :

BNA_E

ClientSampleId :

PST-026-SW076-031819

Tgt Ion: 136 Resp: 13325

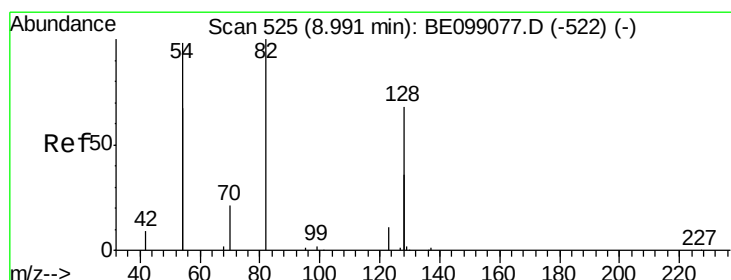
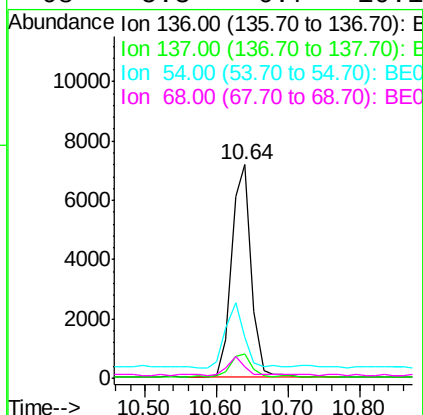
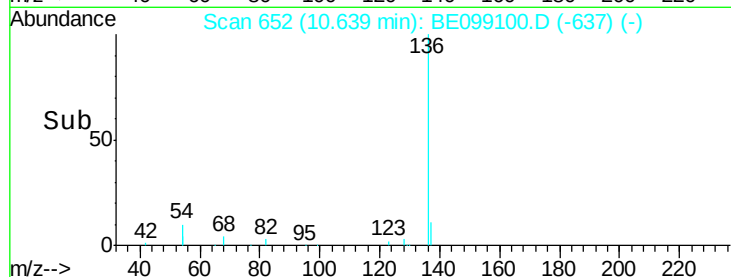
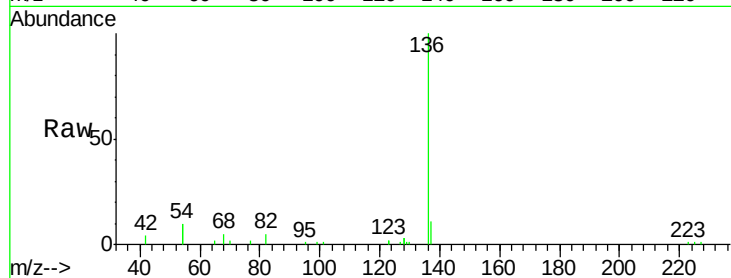
Ion Ratio Lower Upper

136 100

137 11.3 11.4 17.0#

54 19.2 39.3 58.9#

68 5.3 6.7 10.1#



#8

Nitrobenzene-d5

Concen: 0.674 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

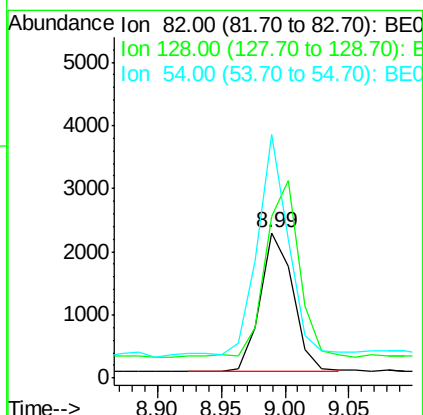
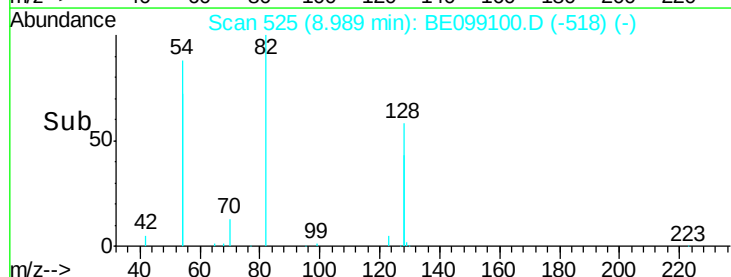
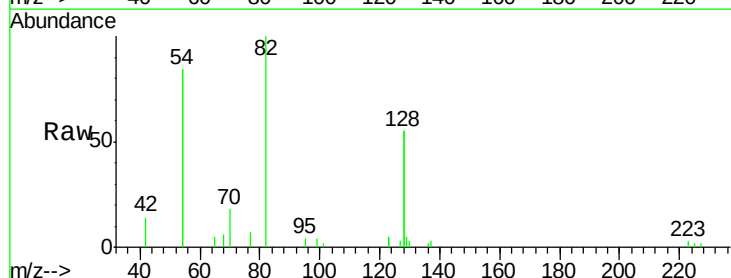
Tgt Ion: 82 Resp: 3924

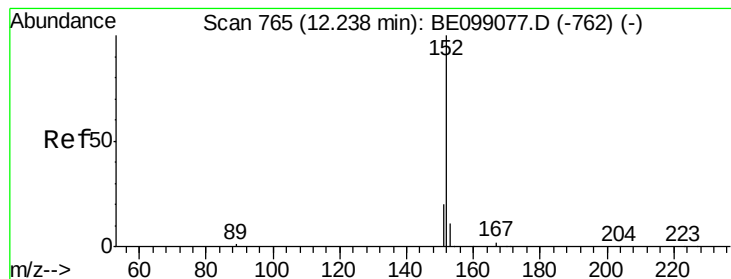
Ion Ratio Lower Upper

82 100

128 110.6 123.8 185.8#

54 167.1 203.4 305.2#





#11

2-Methylnaphthalene-d10

Concen: 0.341 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.02 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

Instrument :

BNA_E

ClientSampleId :

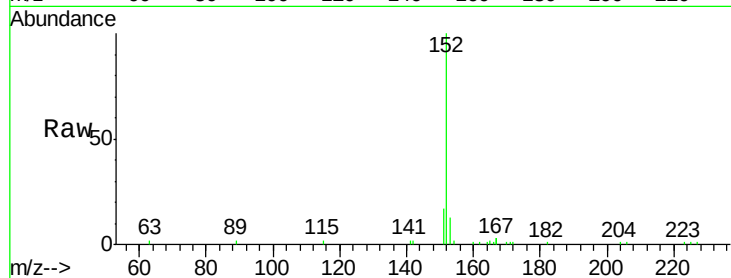
PST-026-SW076-031819

Tgt Ion:152 Resp: 8179

Ion Ratio Lower Upper

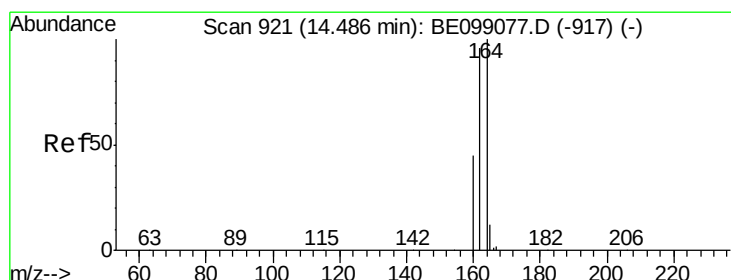
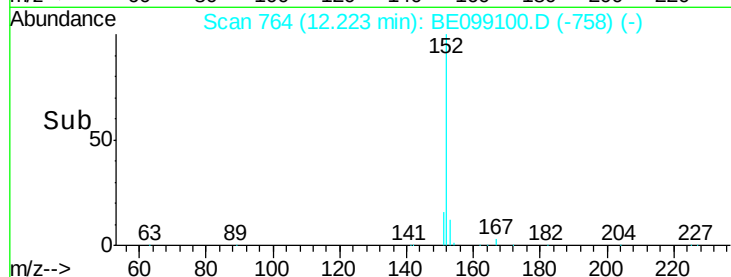
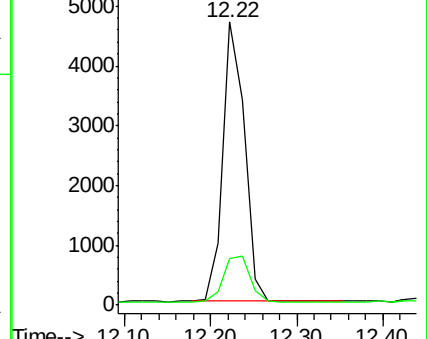
152 100

151 20.0 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

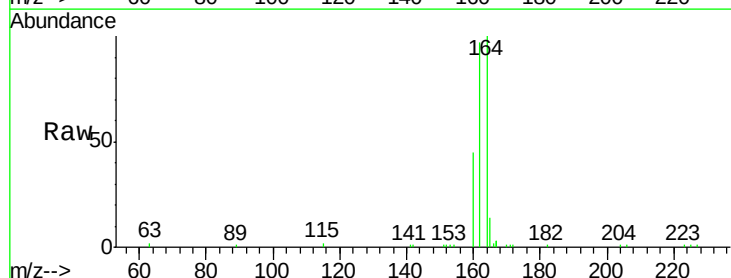
Tgt Ion:164 Resp: 8745

Ion Ratio Lower Upper

164 100

162 96.9 80.2 120.2

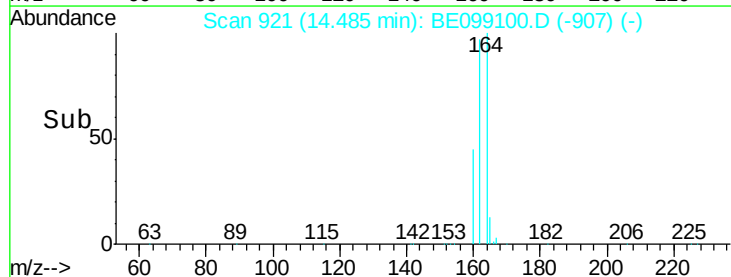
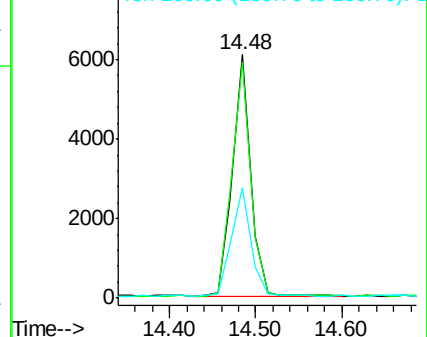
160 45.4 37.8 56.8

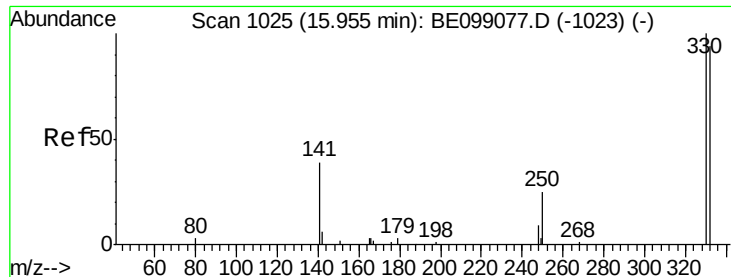


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

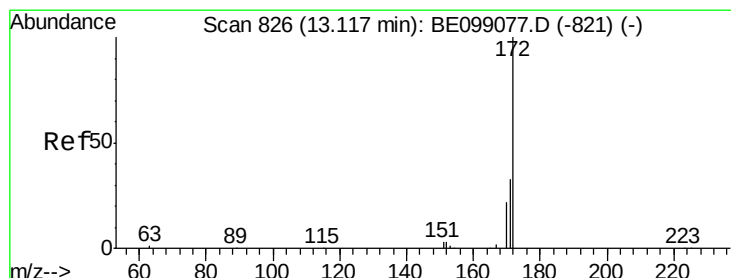
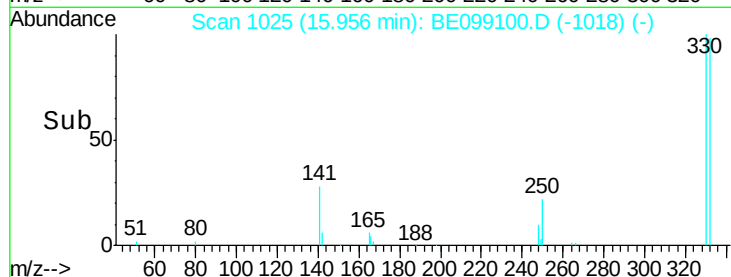
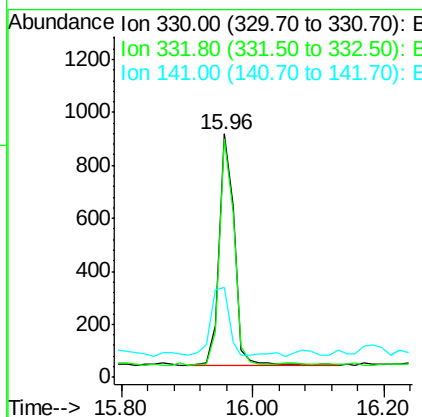
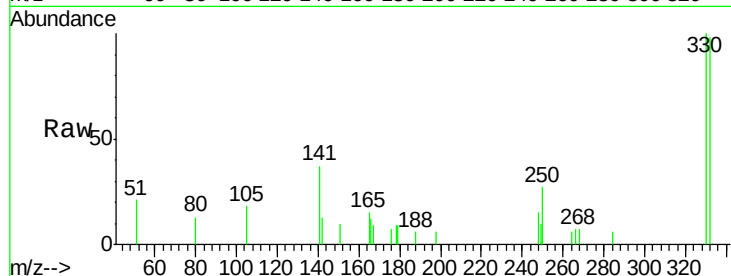




#14
 2,4,6-Tribromophenol
 Concen: 0.549 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099100.D
 Acq: 23 Mar 2019 3:39

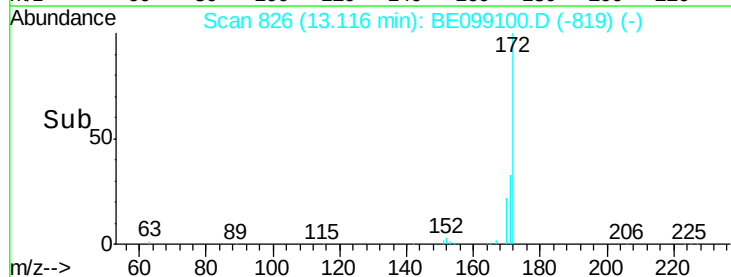
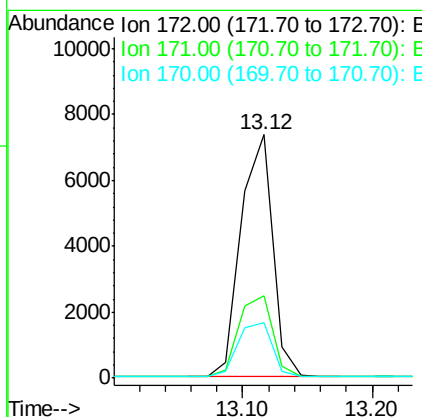
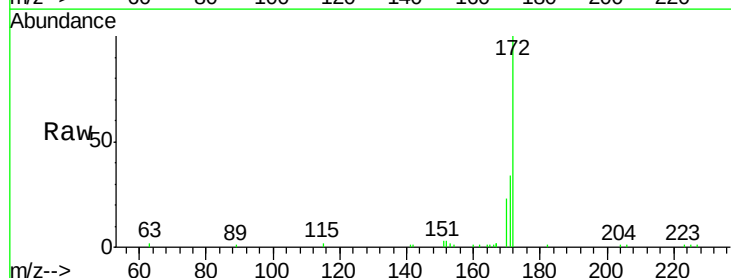
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW076-031819

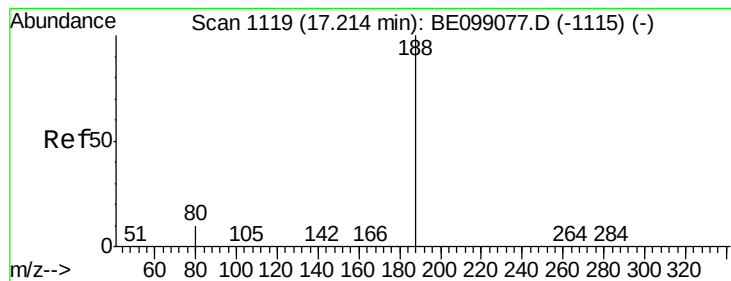
Tgt Ion:330 Resp: 1412
 Ion Ratio Lower Upper
 330 100
 332 93.5 77.6 116.4
 141 34.9 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.358 ng
 RT: 13.12 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BE099100.D
 Acq: 23 Mar 2019 3:39

Tgt Ion:172 Resp: 12438
 Ion Ratio Lower Upper
 172 100
 171 33.9 28.0 42.0
 170 22.7 17.7 26.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

Instrument :

BNA_E

ClientSampleId :

PST-026-SW076-031819

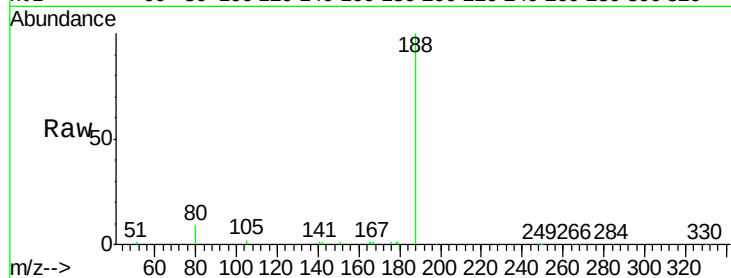
Tgt Ion:188 Resp: 23463

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

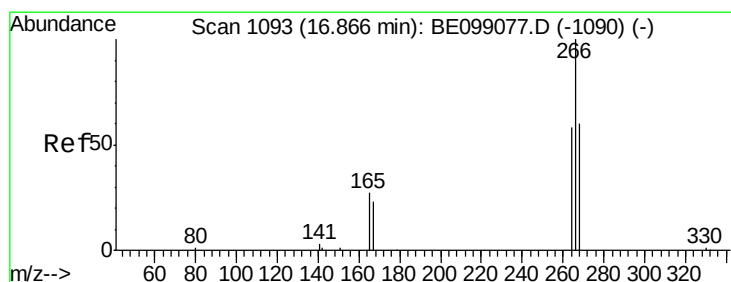
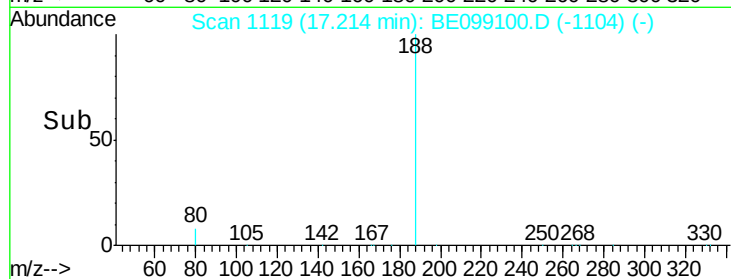
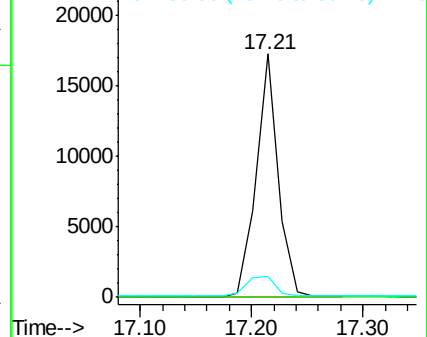
80 8.7 6.3 9.5



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: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

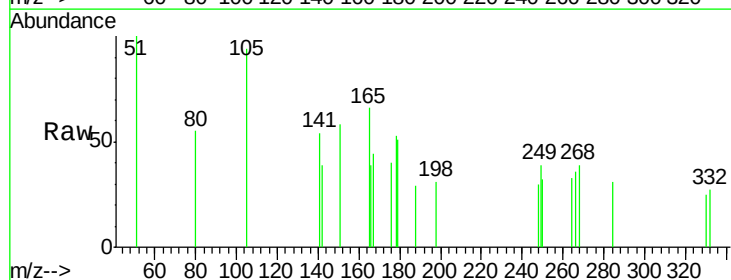
Tgt Ion:266 Resp: 36

Ion Ratio Lower Upper

266 100

264 92.5 66.6 100.0

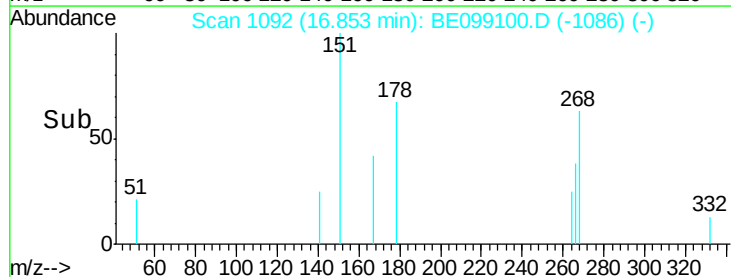
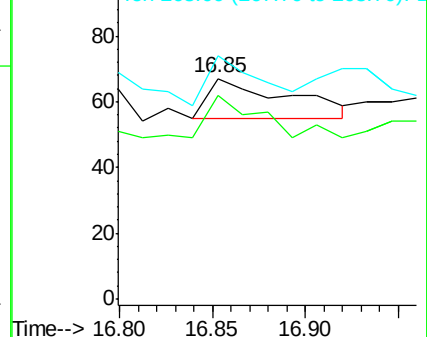
268 110.4 69.8 104.8#

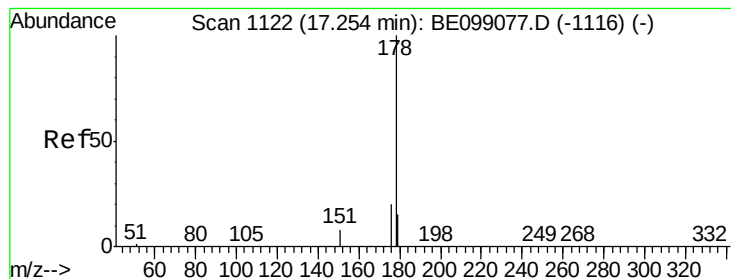


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.036 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

Instrument :

BNA_E

ClientSampleId :

PST-026-SW076-031819

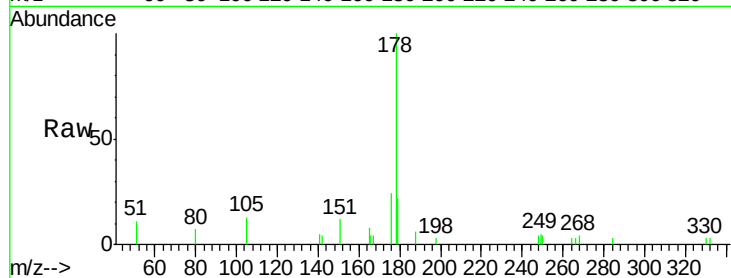
Tgt Ion:178 Resp: 2524

Ion Ratio Lower Upper

178 100

176 19.8 16.0 24.0

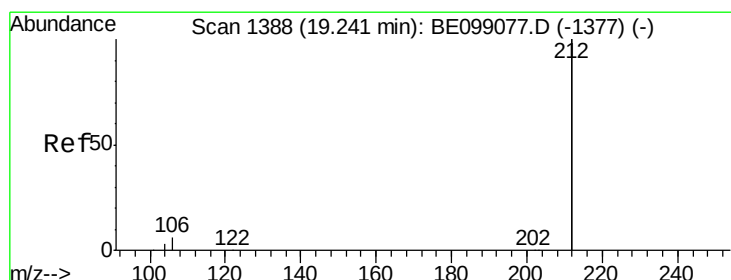
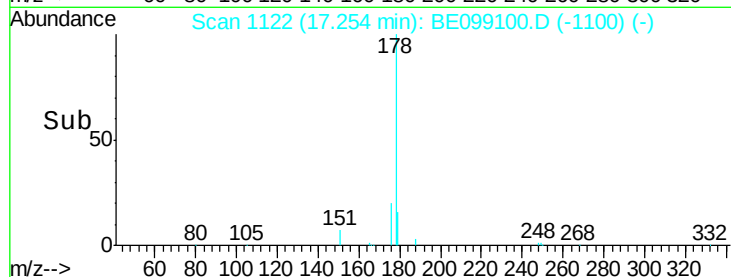
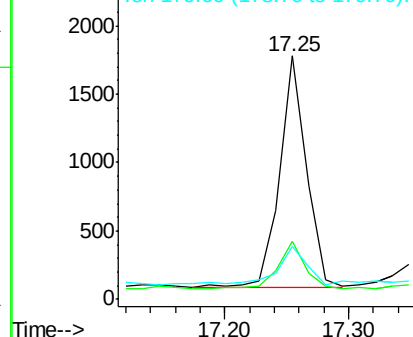
179 19.5 12.1 18.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.340 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

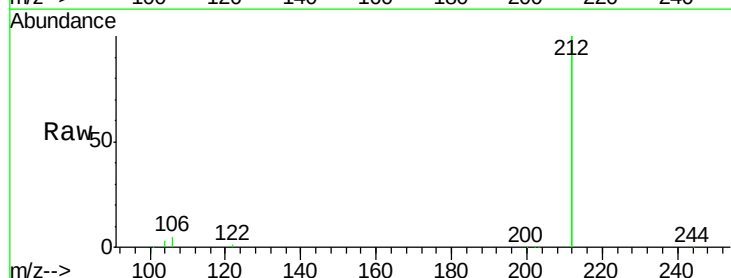
Tgt Ion:212 Resp: 106455

Ion Ratio Lower Upper

212 100

106 2.8 1.8 2.8#

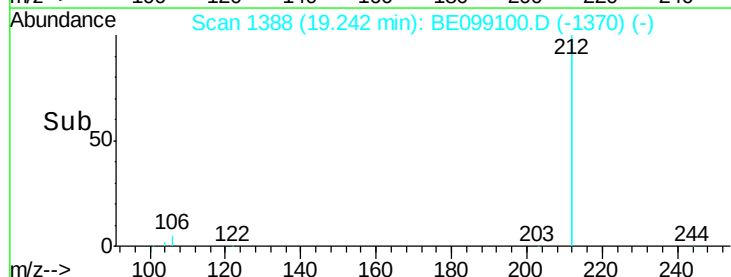
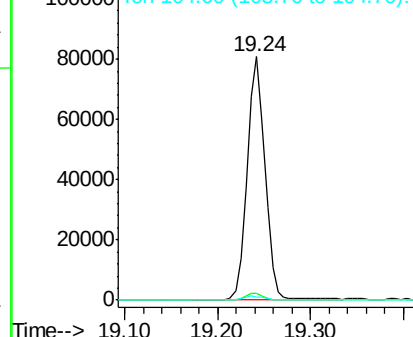
104 1.6 1.0 1.6#

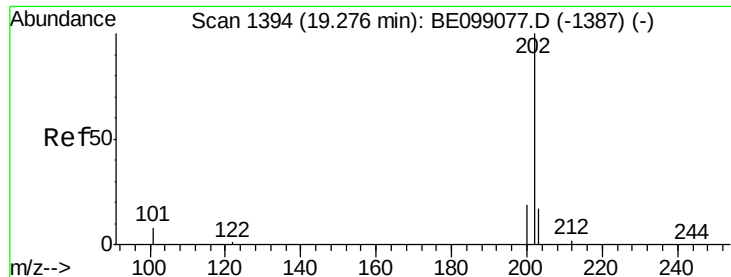


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

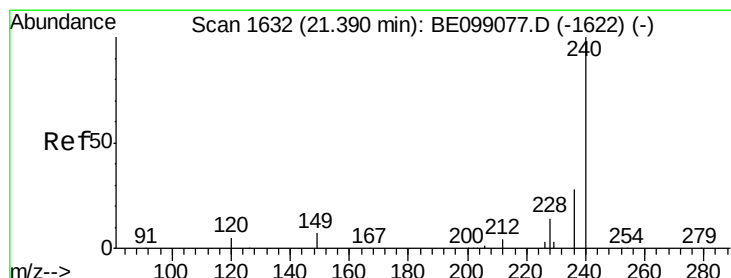
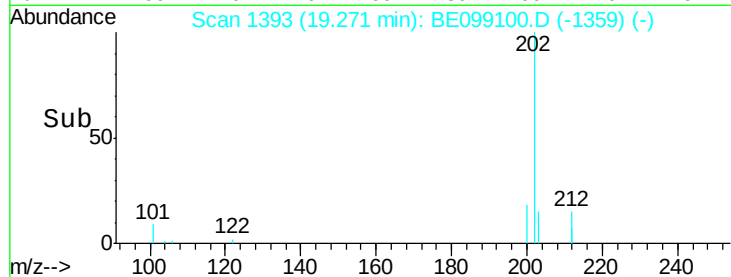
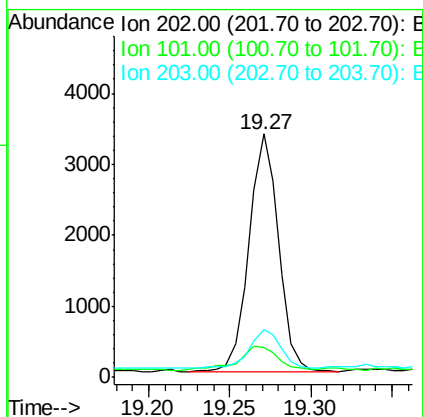
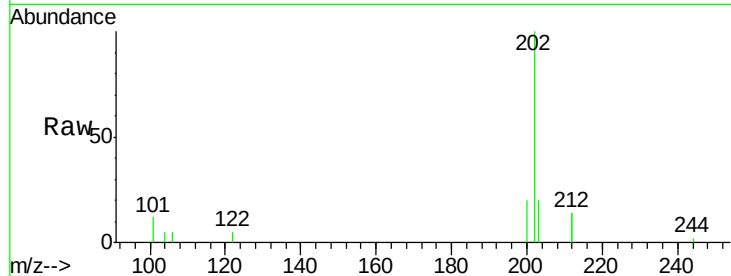




#26
 Fluoranthene
 Concen: 0.043 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BE099100.D
 Acq: 23 Mar 2019 3:39

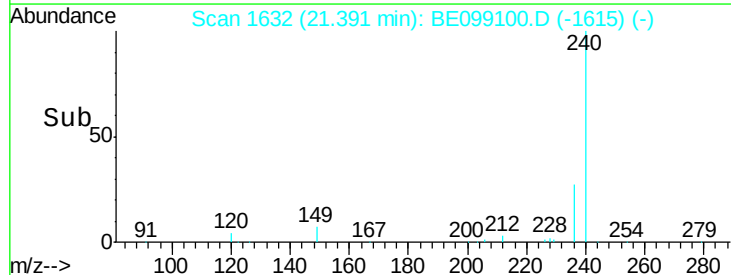
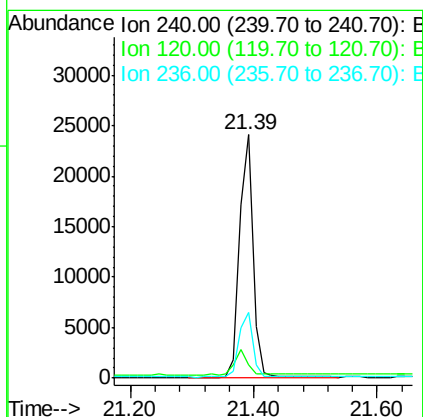
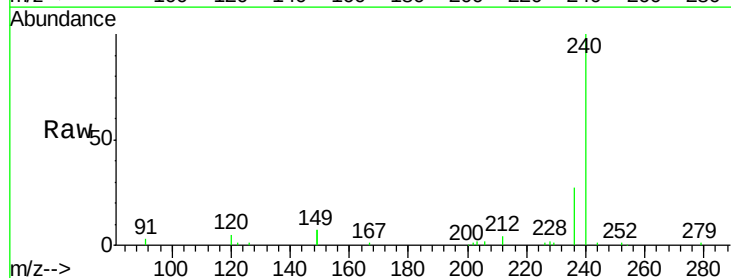
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW076-031819

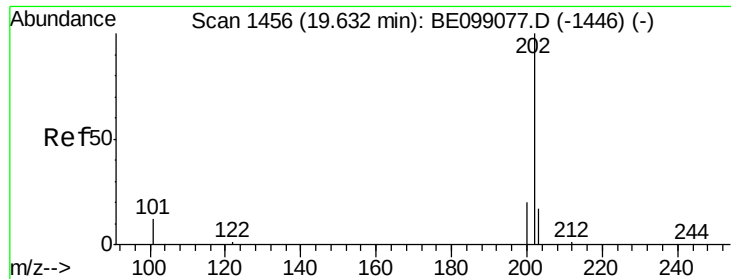
Tgt Ion: 202 Resp: 4220
 Ion Ratio Lower Upper
 202 100
 101 13.3 7.3 10.9#
 203 16.8 13.4 20.2



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: BE099100.D
 Acq: 23 Mar 2019 3:39

Tgt Ion: 240 Resp: 35599
 Ion Ratio Lower Upper
 240 100
 120 5.3 5.0 7.4
 236 26.9 22.7 34.1

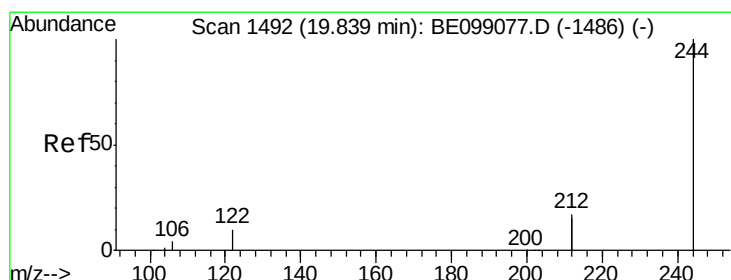
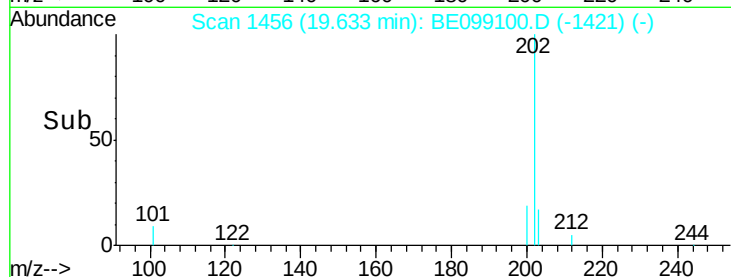
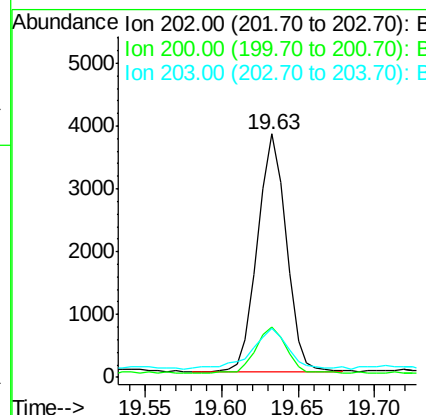
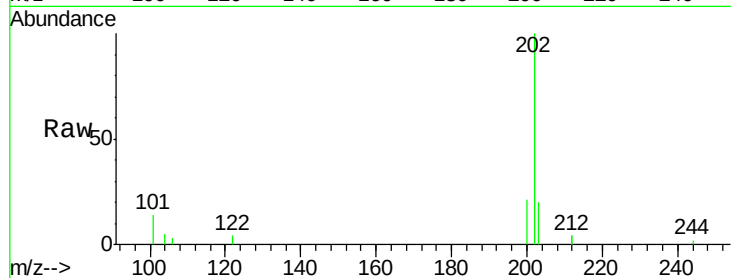




#28
 Pyrene
 Concen: 0.041 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099100.D
 Acq: 23 Mar 2019 3:39

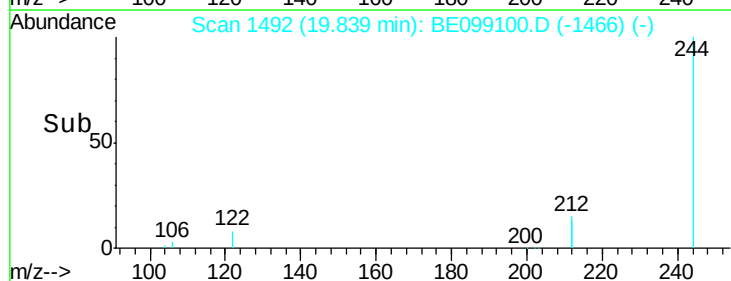
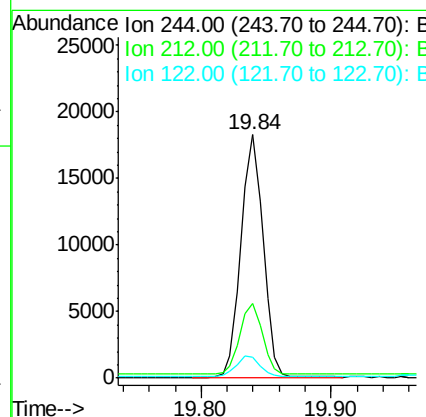
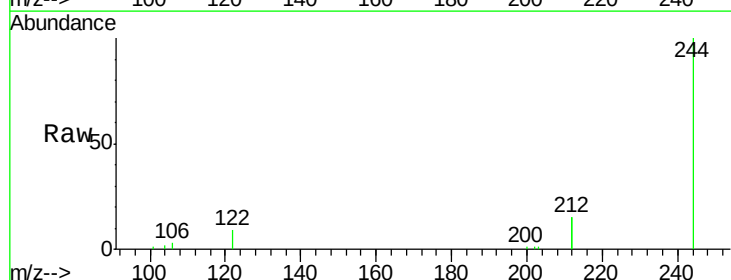
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW076-031819

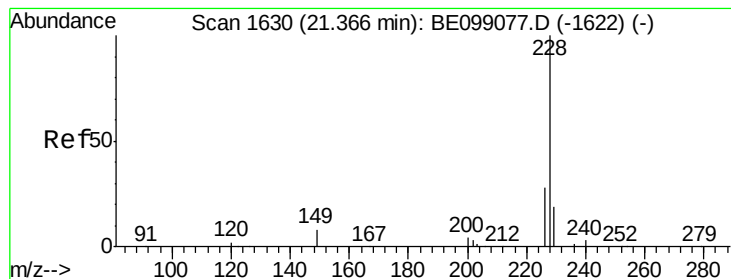
Tgt Ion: 202 Resp: 4930
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.0 25.6
 203 21.2 14.2 21.2



#29
 Terphenyl-d14
 Concen: 0.286 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BE099100.D
 Acq: 23 Mar 2019 3:39

Tgt Ion: 244 Resp: 21521
 Ion Ratio Lower Upper
 244 100
 212 30.5 29.4 44.2
 122 8.7 7.1 10.7





#30

Benzo(a)anthracene

Concen: 0.024 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

Instrument :

BNA_E

ClientSampleId :

PST-026-SW076-031819

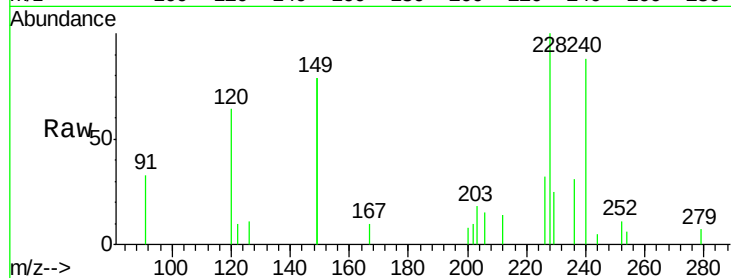
Tgt Ion:228 Resp: 3017

Ion Ratio Lower Upper

228 100

226 31.7 23.0 34.4

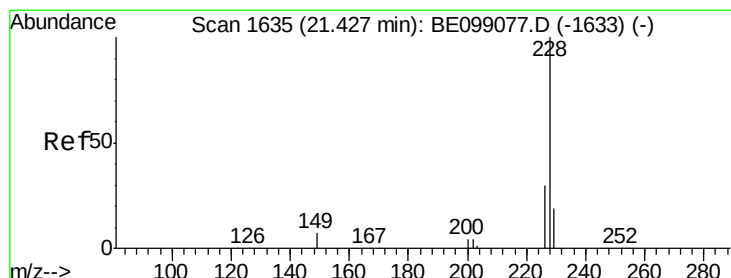
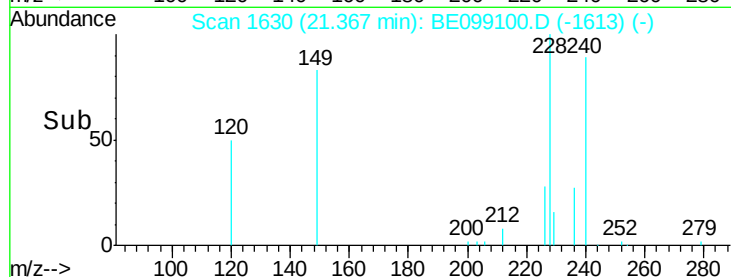
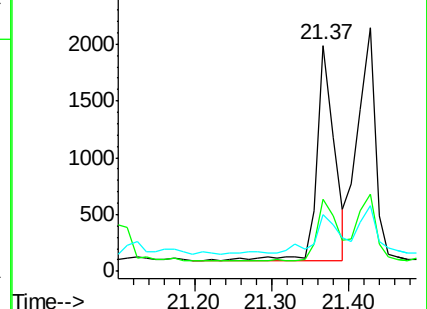
229 25.2 16.5 24.7#



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: 0.026 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

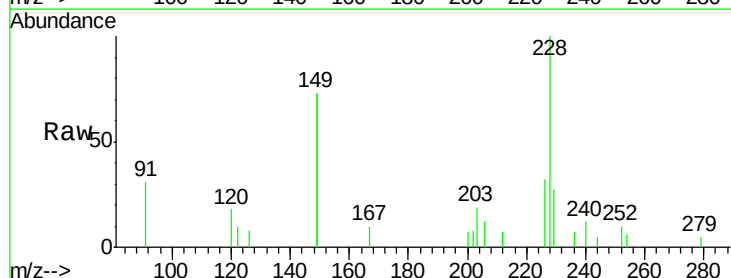
Tgt Ion:228 Resp: 3248

Ion Ratio Lower Upper

228 100

226 31.7 23.7 35.5

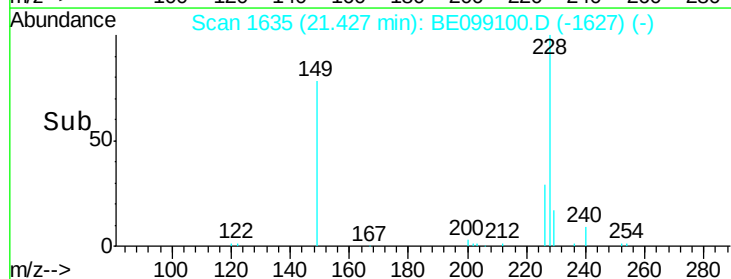
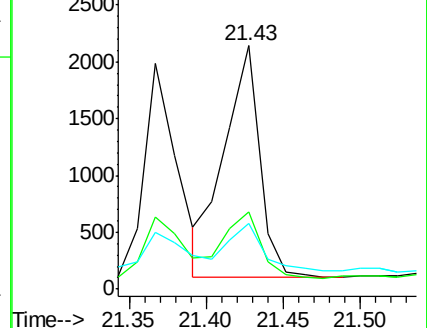
229 27.0 16.1 24.1#

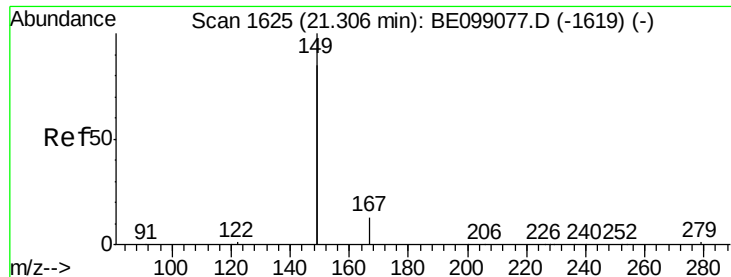


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

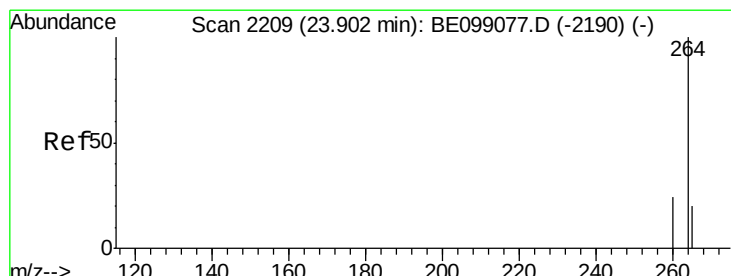
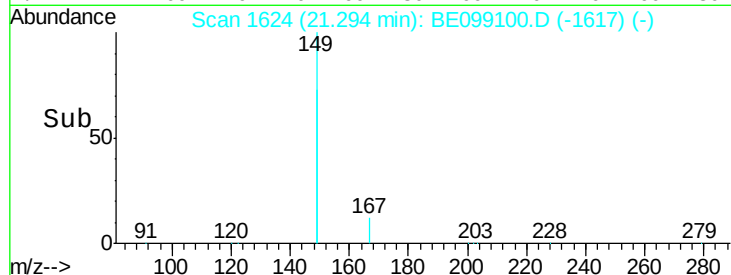
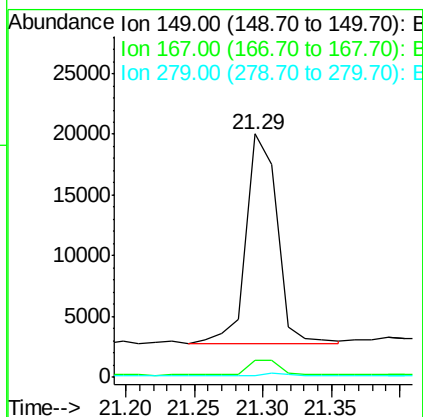
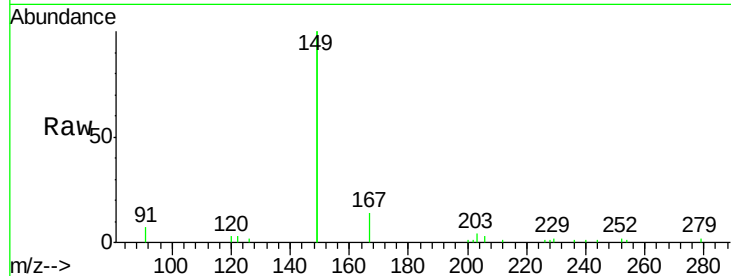




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.166 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BE099100.D
 Acq: 23 Mar 2019 3:39

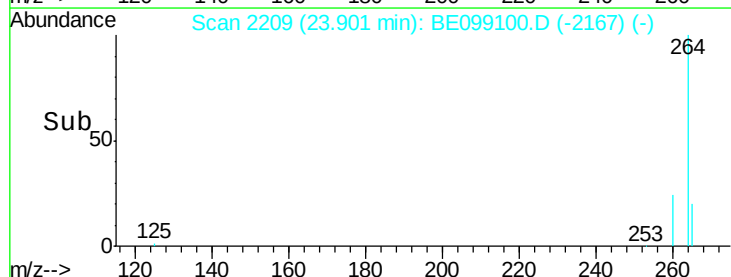
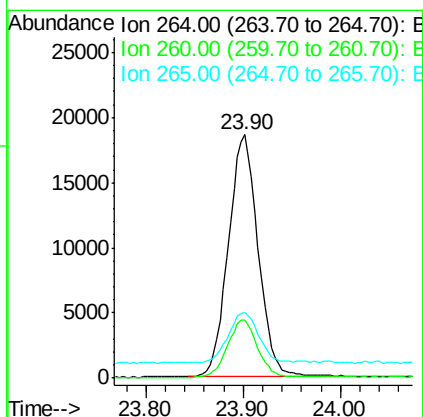
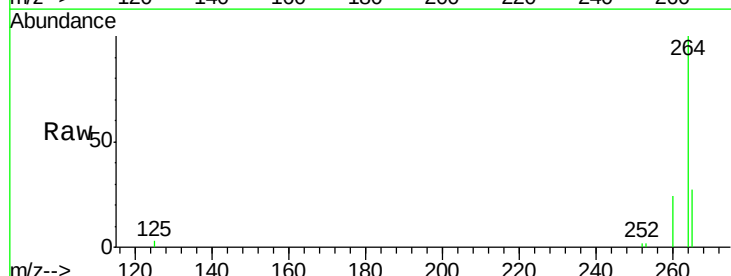
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW076-031819

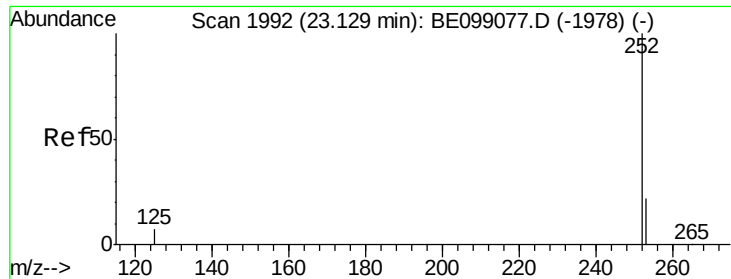
Tgt Ion: 149 Resp: 26968
 Ion Ratio Lower Upper
 149 100
 167 7.0 5.4 8.0
 279 1.0 1.0 1.4#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: BE099100.D
 Acq: 23 Mar 2019 3:39

Tgt Ion: 264 Resp: 39635
 Ion Ratio Lower Upper
 264 100
 260 24.1 21.2 31.8
 265 26.8 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.027 ng

RT: 23.12 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

Instrument :

BNA_E

ClientSampleId :

PST-026-SW076-031819

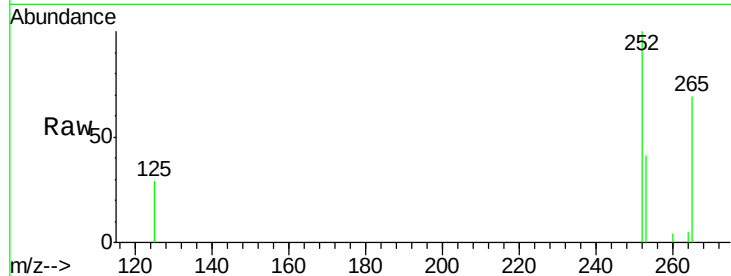
Tgt Ion:252 Resp: 3702

Ion Ratio Lower Upper

252 100

253 41.1 18.2 27.2#

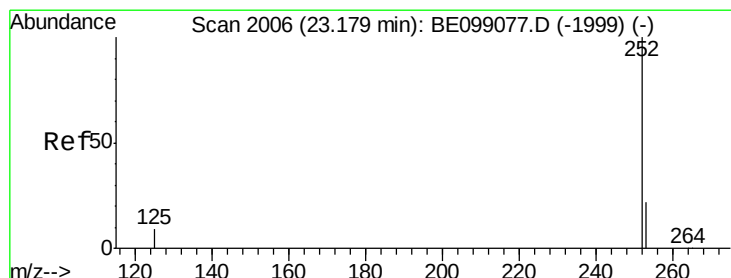
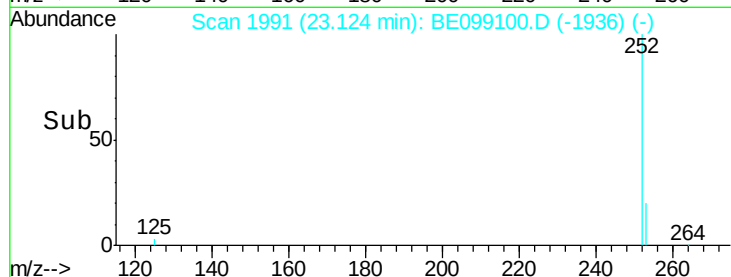
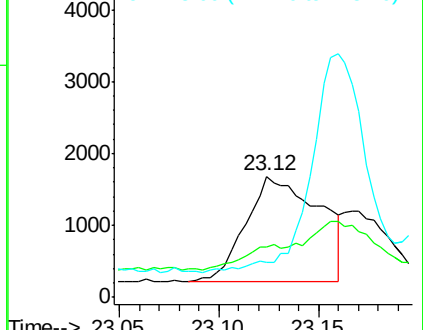
125 28.8 7.3 10.9#



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



#36

Benzo(k)fluoranthene

Concen: 0.028 ng

RT: 23.12 min Scan# 1991

Delta R.T. -0.05 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

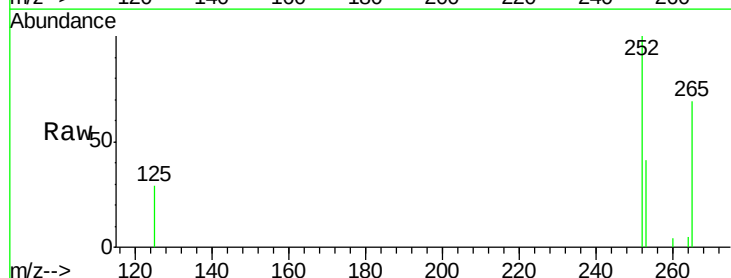
Tgt Ion:252 Resp: 3702

Ion Ratio Lower Upper

252 100

253 41.1 19.3 28.9#

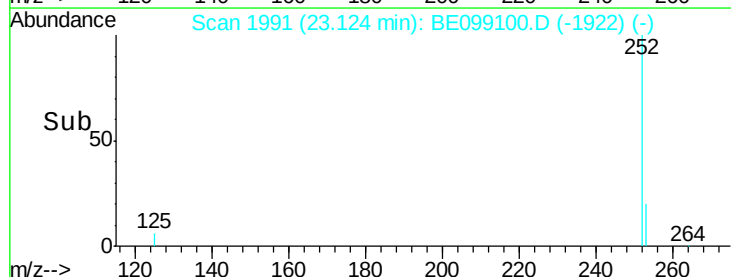
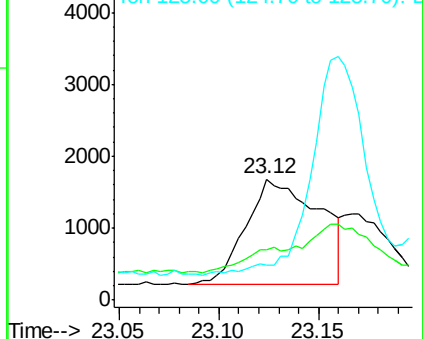
125 28.8 7.5 11.3#

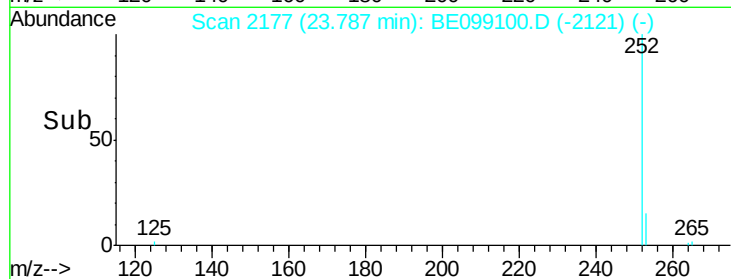
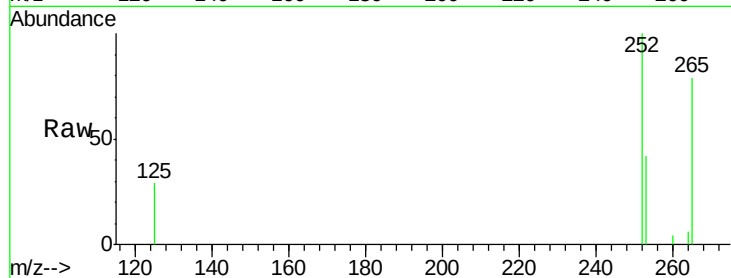
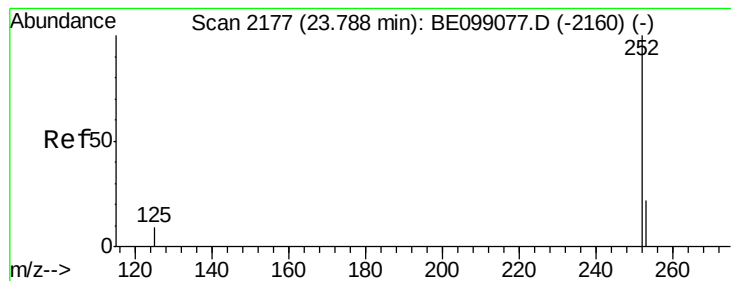


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.021 ng

RT: 23.79 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE099100.D

Acq: 23 Mar 2019 3:39

Instrument :

BNA_E

ClientSampleId :

PST-026-SW076-031819

Tgt Ion: 252 Resp: 2711

Ion Ratio Lower Upper

252 100

253 42.0 19.9 29.9#

125 28.8 9.0 13.4#

