

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099136.D
 Acq On : 24 Mar 2019 6:50
 Operator : JU/SJ
 Sample : K1947-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B098-031219

Quant Time: Mar 24 23:02:36 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	3590	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	14641	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9522	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	27674	0.40	ng	0.00
27) Chrysene-d12	21.39	240	38436	0.40	ng	0.00
34) Perylene-d12	23.90	264	41634	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4483	0.42	ng	0.00
5) Phenol-d6	6.99	99	6630	0.43	ng	0.00
8) Nitrobenzene-d5	8.99	82	5018	0.78	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9479	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	2377	0.85	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14275	0.38	ng	-0.02
25) Fluoranthene-d10	19.24	212	131421	0.36	ng	0.00
29) Terphenyl-d14	19.83	244	27442	0.34	ng	0.00

Target Compounds

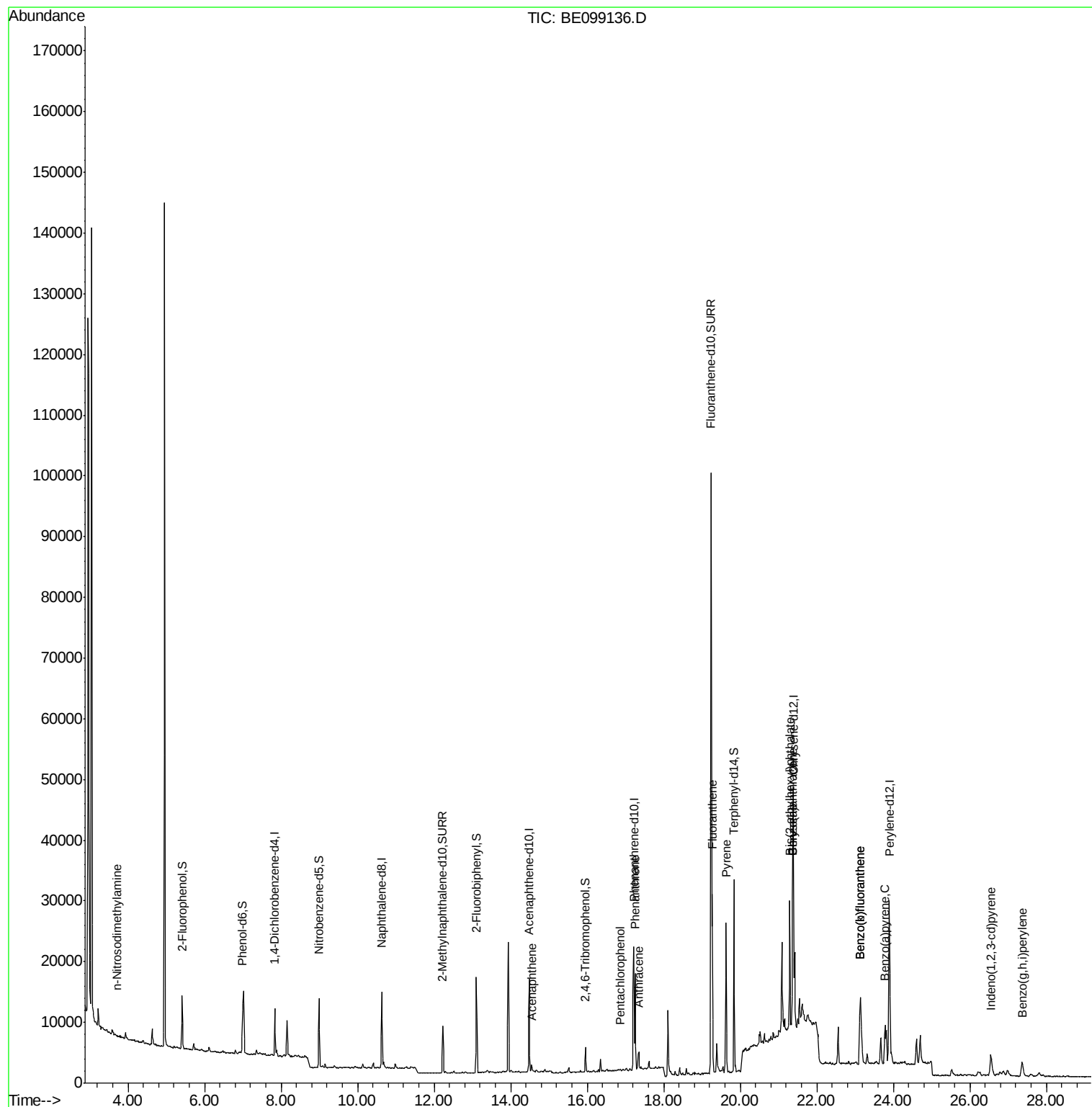
						Qvalue
3) n-Nitrosodimethylamine	3.72	42	63	0.022	ng	# 40
17) Acenaphthene	14.54	154	608	0.020	ng	98
22) Pentachlorophenol	16.85	266	113	0.271	ng	92
23) Phenanthrene	17.25	178	15906	0.194	ng	98
24) Anthracene	17.35	178	3682	0.047	ng	# 93
26) Fluoranthene	19.27	202	26795	0.232	ng	97
28) Pyrene	19.63	202	23380	0.179	ng	# 93
30) Benzo(a)anthracene	21.37	228	14709	0.109	ng	97
31) Chrysene	21.37	228	8981	0.066	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	23756	0.135	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.55	276	6206	0.043	ng	94
35) Benzo(b)fluoranthene	23.12	252	15973	0.111	ng	# 72
36) Benzo(k)fluoranthene	23.12	252	15973	0.113	ng	# 75
37) Benzo(a)pyrene	23.78	252	11419	0.086	ng	# 86
39) Benzo(g,h,i)perylene	27.37	276	5870	0.044	ng	# 87

(#) = 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: BE099136.D

Acq: 24 Mar 2019 6:50

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219

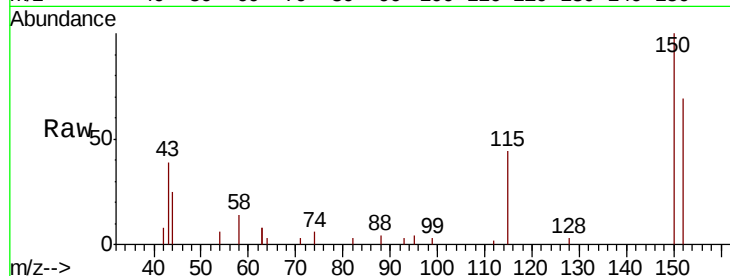
Tgt Ion:152 Resp: 3590

Ion Ratio Lower Upper

152 100

150 144.7 122.5 183.7

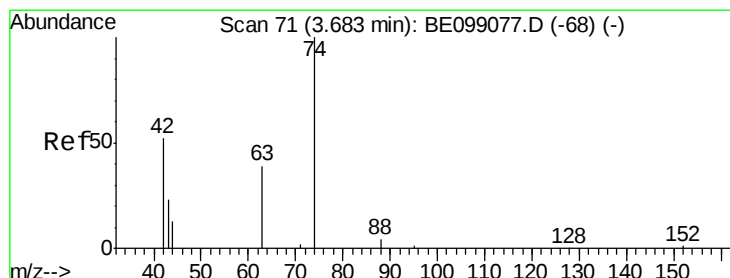
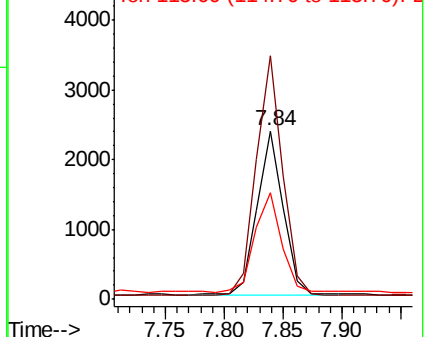
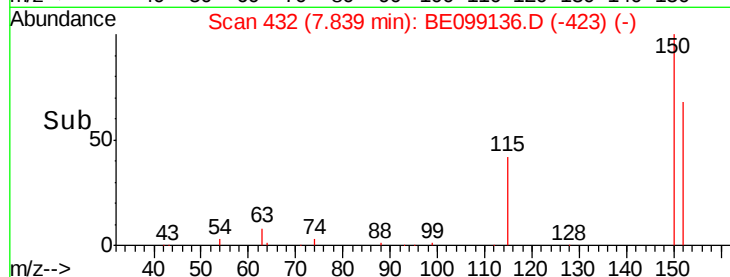
115 63.5 57.4 86.2



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: 0.022 ng

RT: 3.72 min Scan# 74

Delta R.T. 0.03 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

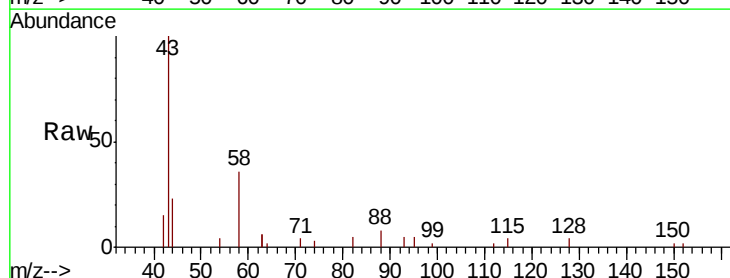
Tgt Ion: 42 Resp: 63

Ion Ratio Lower Upper

42 100

74 109.5 160.0 240.0#

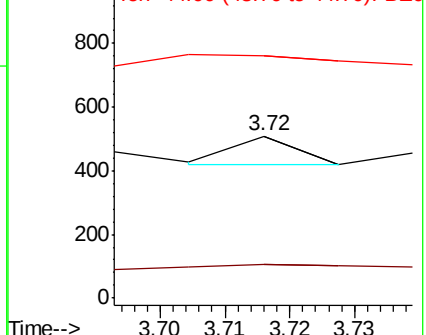
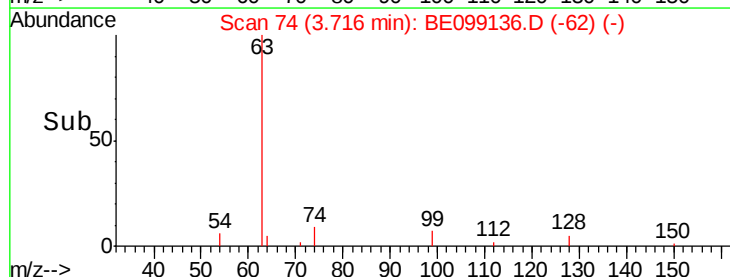
44 112.7 0.0 0.0#

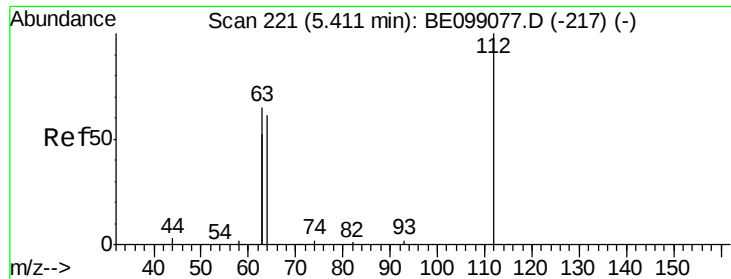


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.419 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219

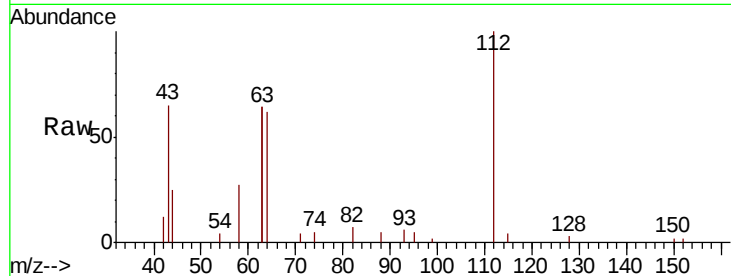
Tgt Ion: 112 Resp: 4483

Ion Ratio Lower Upper

112 100

64 60.3 57.9 86.9

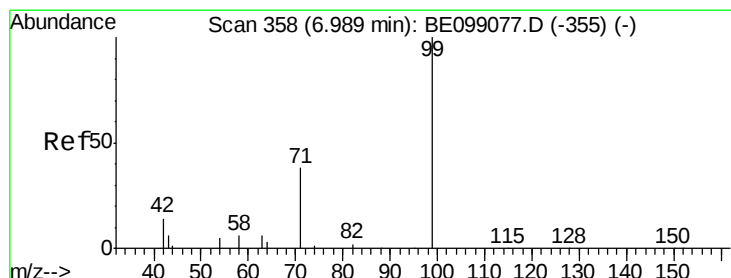
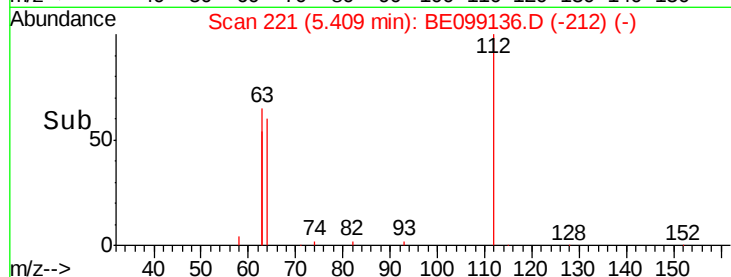
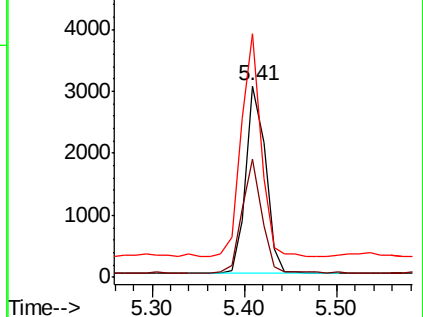
63 119.0 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): BE099077.D (-217) (-)

Ion 64.00 (63.70 to 64.70): BE099077.D (-217) (-)

Ion 63.00 (62.70 to 63.70): BE099077.D (-217) (-)



#5

Phenol-d6

Concen: 0.431 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

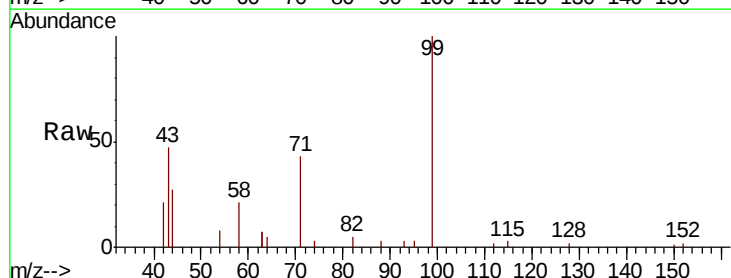
Tgt Ion: 99 Resp: 6630

Ion Ratio Lower Upper

99 100

42 21.5 24.2 36.2#

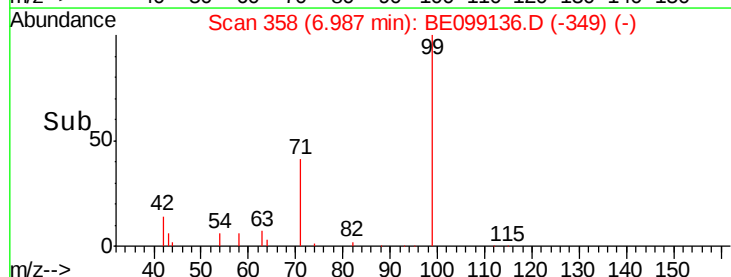
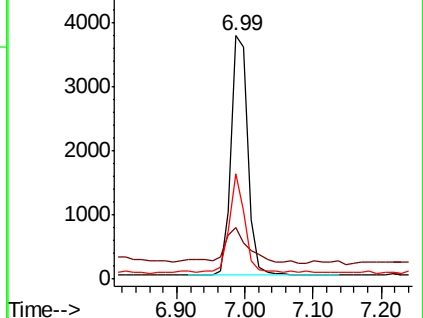
71 37.0 35.7 53.5

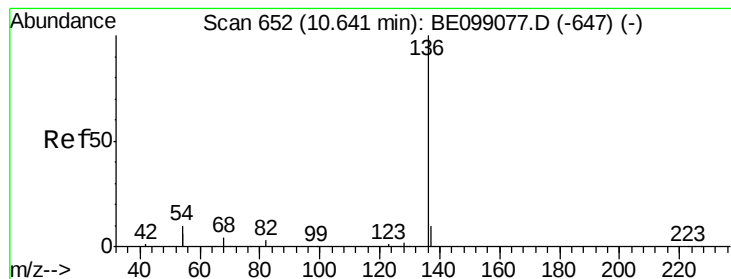


Abundance Ion 99.00 (98.70 to 99.70): BE099077.D (-355) (-)

Ion 42.00 (41.70 to 42.70): BE099077.D (-355) (-)

Ion 71.00 (70.70 to 71.70): BE099077.D (-355) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219

Tgt Ion: 136 Resp: 14641

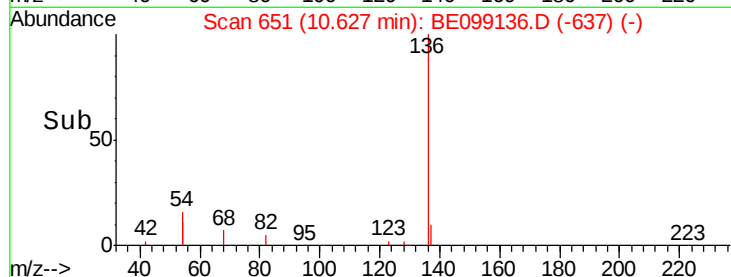
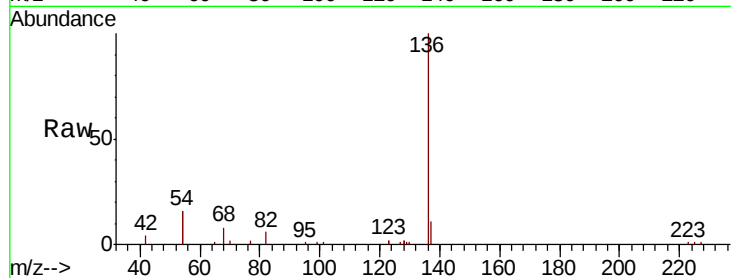
Ion Ratio Lower Upper

136 100

137 11.1 11.4 17.0#

54 31.9 39.3 58.9#

68 8.5 6.7 10.1

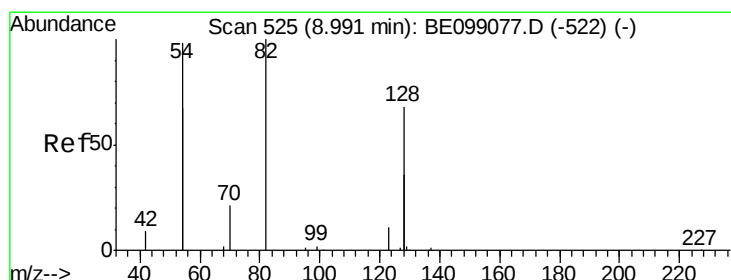
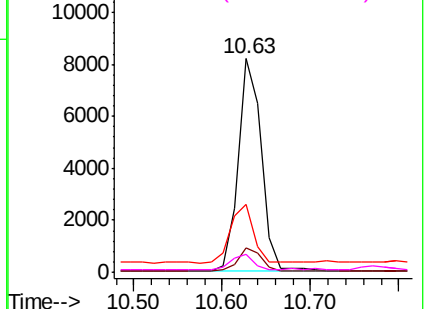


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.784 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

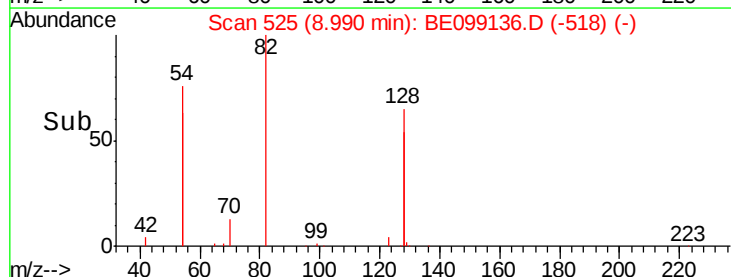
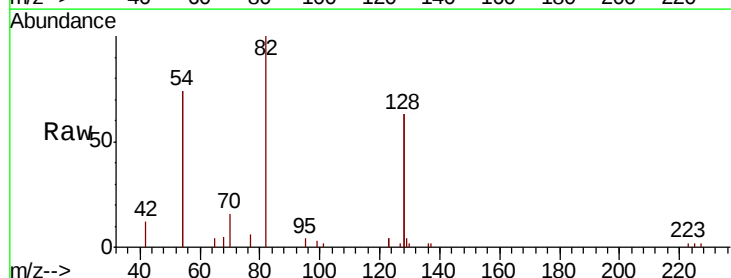
Tgt Ion: 82 Resp: 5018

Ion Ratio Lower Upper

82 100

128 125.8 123.8 185.8

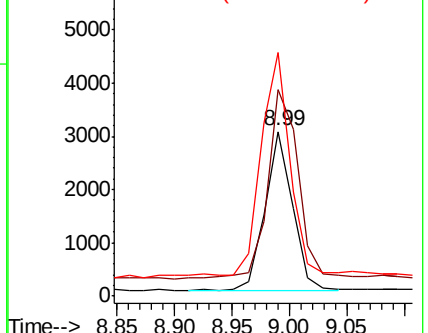
54 147.9 203.4 305.2#

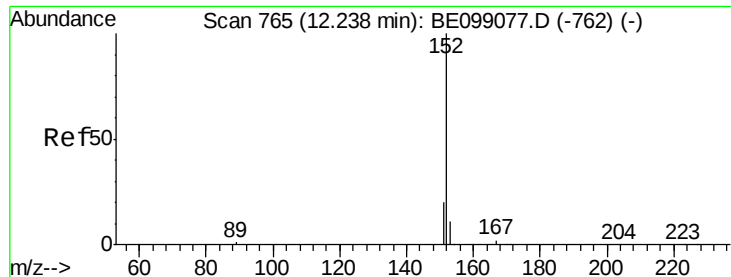


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

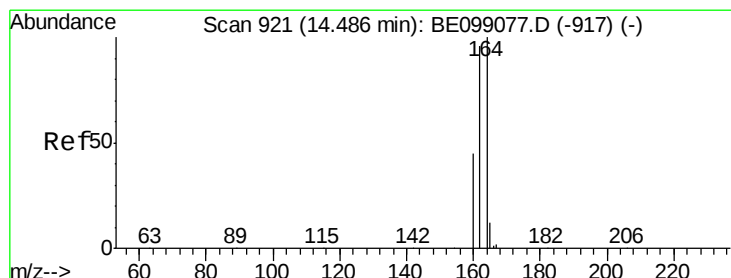
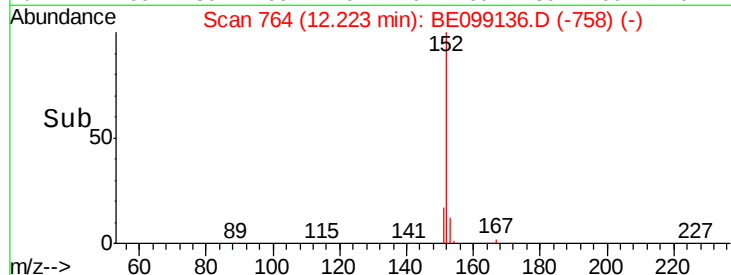
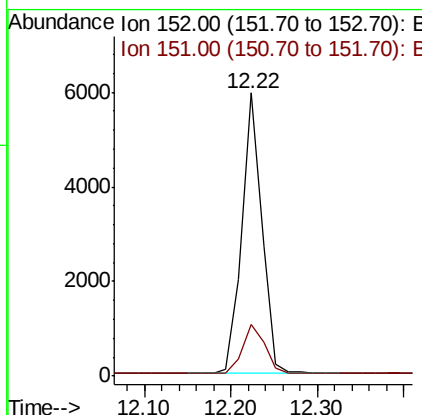
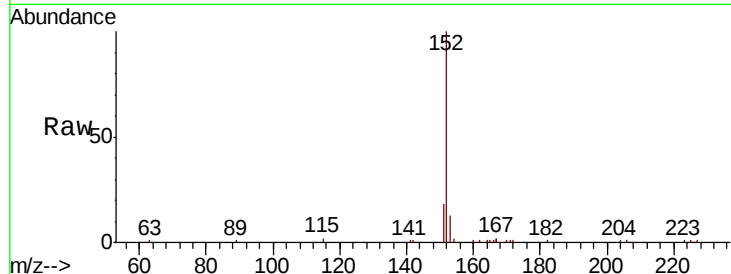




#11
 2-Methylnaphthalene-d10
 Concen: 0.359 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BE099136.D
 Acq: 24 Mar 2019 6:50

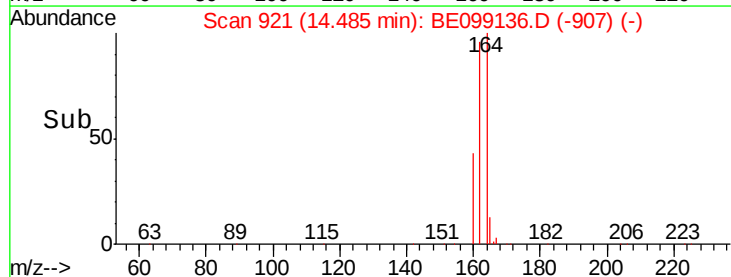
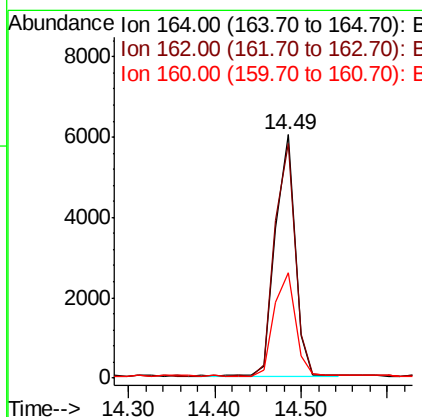
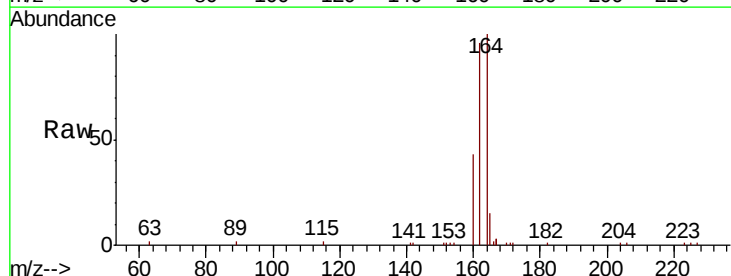
Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B098-031219

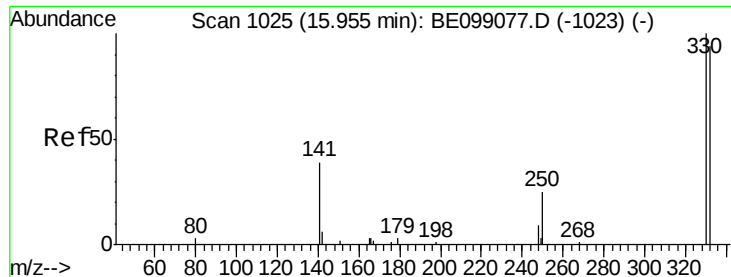
Tgt Ion:152 Resp: 9479
 Ion Ratio Lower Upper
 152 100
 151 19.5 16.5 24.7



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099136.D
 Acq: 24 Mar 2019 6:50

Tgt Ion:164 Resp: 9522
 Ion Ratio Lower Upper
 164 100
 162 96.4 80.2 120.2
 160 43.1 37.8 56.8

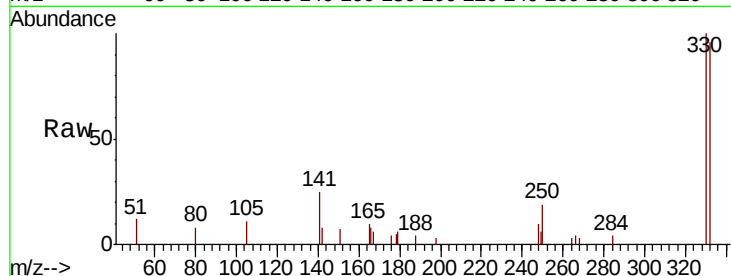




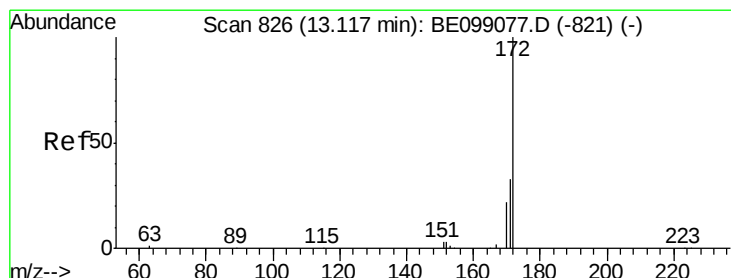
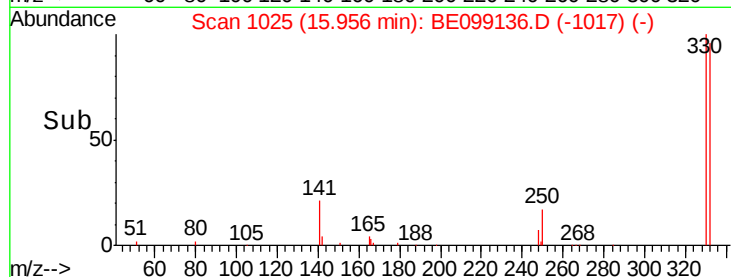
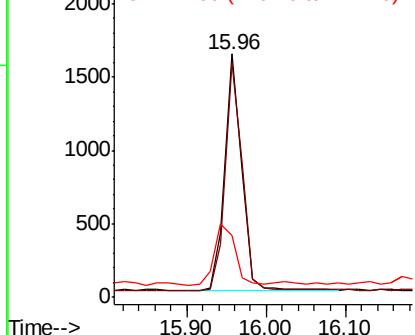
#14
 2,4,6-Tribromophenol
 Concen: 0.849 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099136.D
 Acq: 24 Mar 2019 6:50

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B098-031219

Tgt Ion: 330 Resp: 2377
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.6 116.4
 141 31.7 31.0 46.4

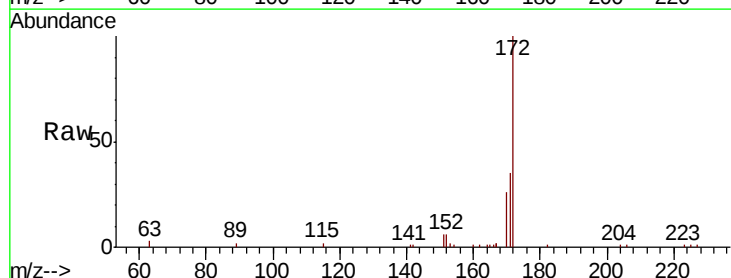


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

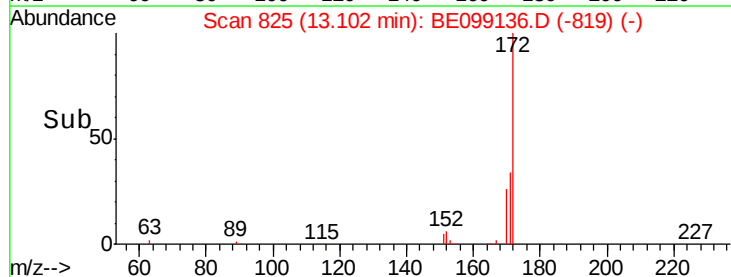
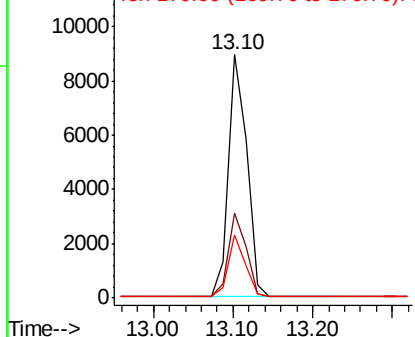


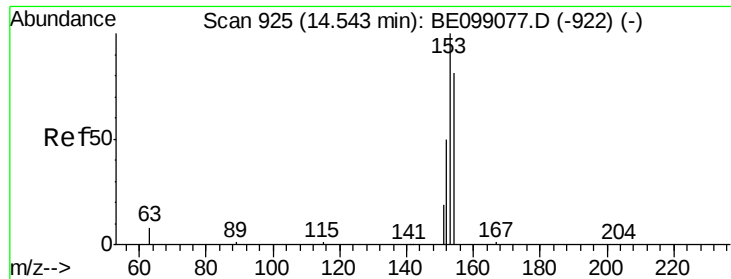
#15
 2-Fluorobiphenyl
 Concen: 0.377 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.02 min
 Lab File: BE099136.D
 Acq: 24 Mar 2019 6:50

Tgt Ion: 172 Resp: 14275
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.0 42.0
 170 26.2 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

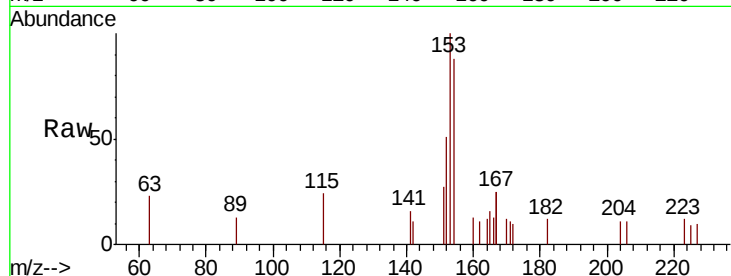




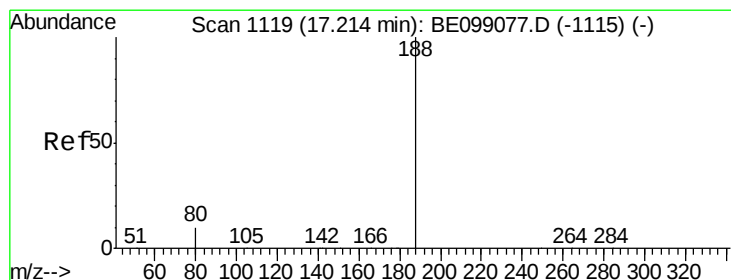
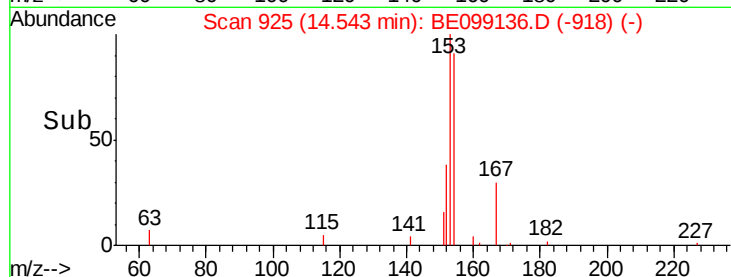
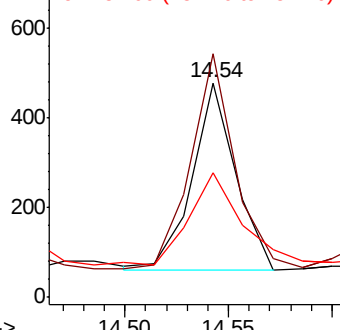
#17
Acenaphthene
Concen: 0.020 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099136.D
Acq: 24 Mar 2019 6:50

Instrument :
BNA_E
ClientSampleId :
PST-028-B098-031219

Tgt Ion:154 Resp: 608
Ion Ratio Lower Upper
154 100
153 117.1 94.2 141.4
152 59.9 45.0 67.4

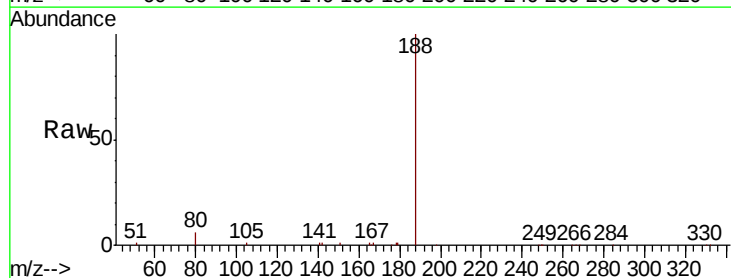


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

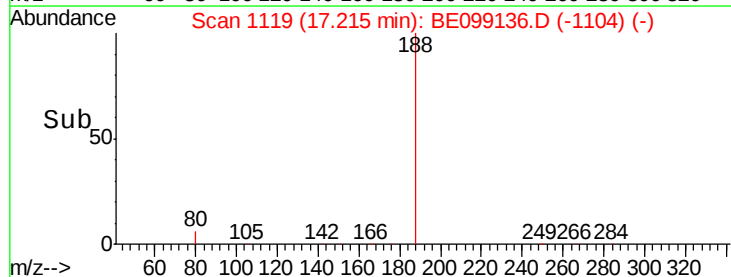
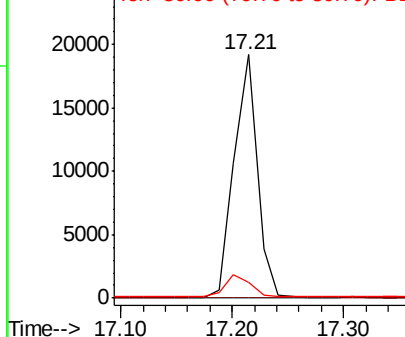


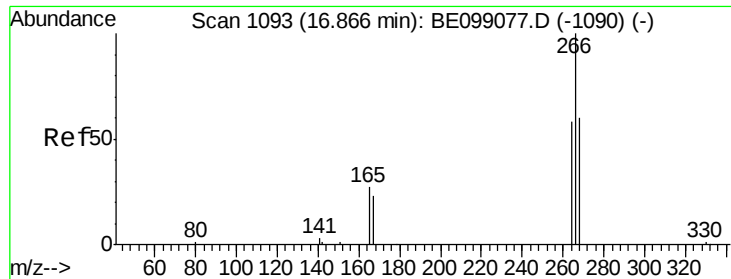
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099136.D
Acq: 24 Mar 2019 6:50

Tgt Ion:188 Resp: 27674
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.3 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

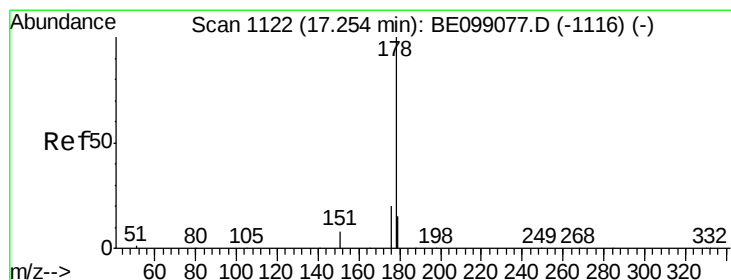
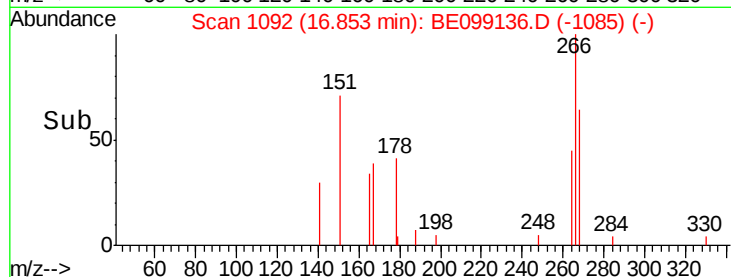
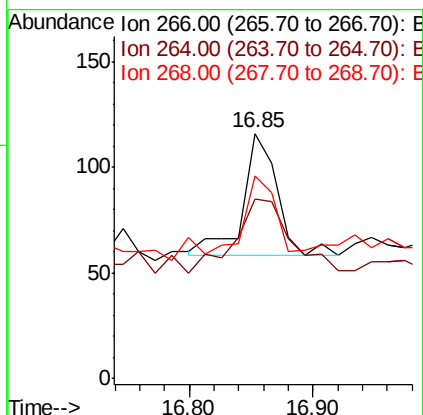
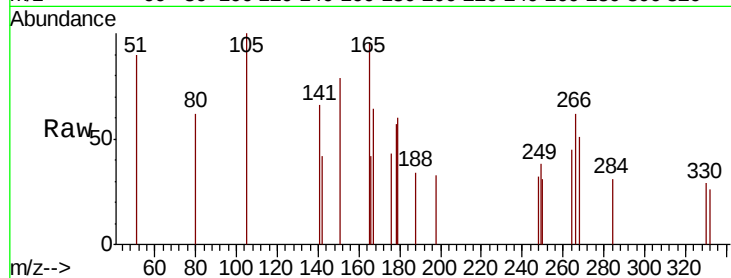




#22
 Pentachlorophenol
 Concen: 0.271 ng
 RT: 16.85 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: BE099136.D
 Acq: 24 Mar 2019 6:50

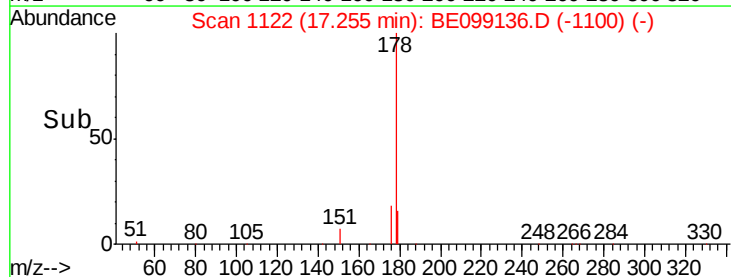
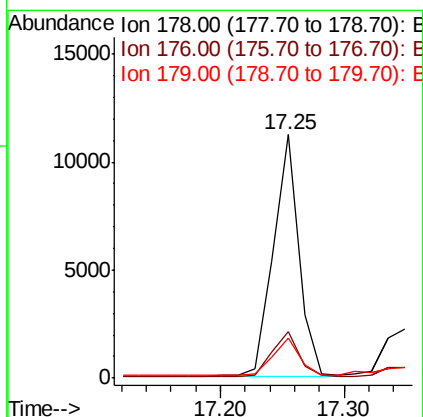
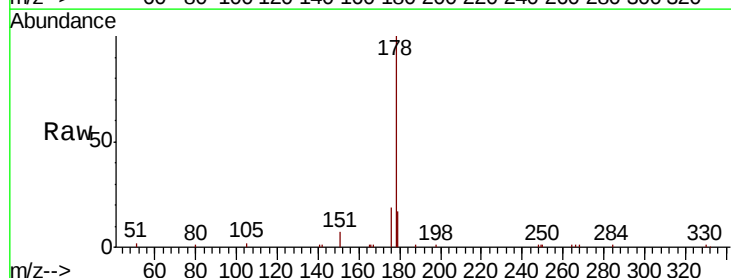
Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B098-031219

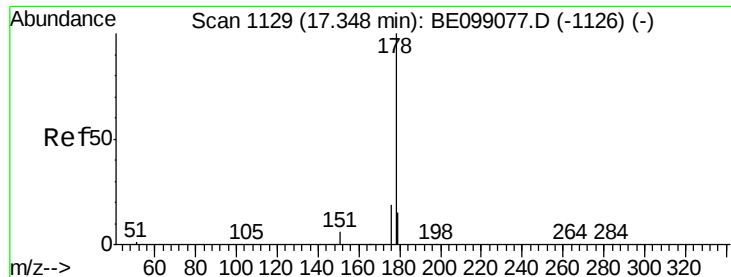
Tgt Ion: 266 Resp: 113
 Ion Ratio Lower Upper
 266 100
 264 73.3 66.6 100.0
 268 82.8 69.8 104.8



#23
 Phenanthrene
 Concen: 0.194 ng
 RT: 17.25 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: BE099136.D
 Acq: 24 Mar 2019 6:50

Tgt Ion: 178 Resp: 15906
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.0 24.0
 179 16.4 12.1 18.1





#24

Anthracene

Concen: 0.047 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219

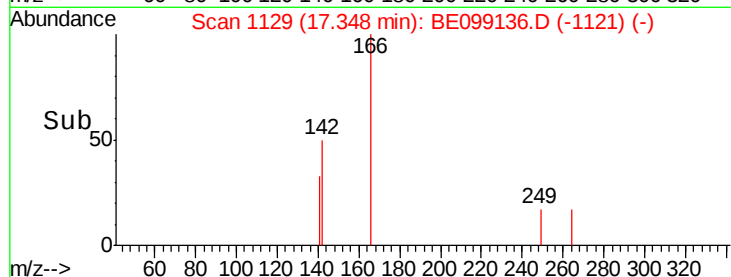
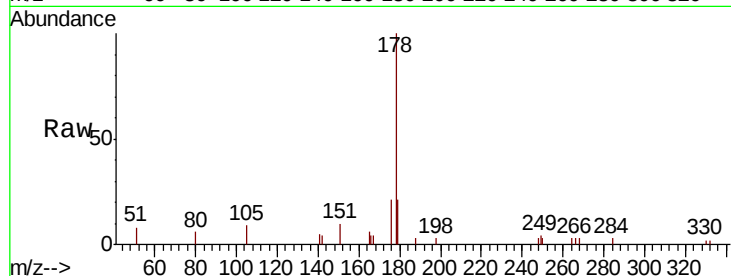
Tgt Ion:178 Resp: 3682

Ion Ratio Lower Upper

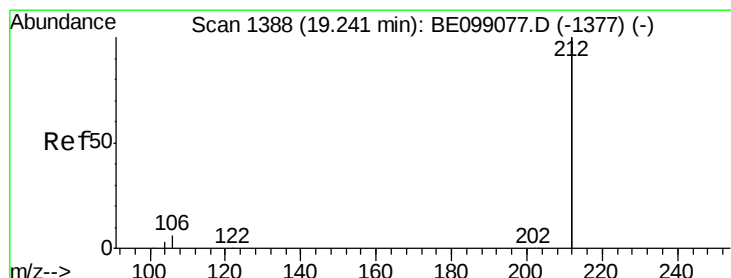
178 100

176 18.0 15.4 23.0

179 20.2 12.2 18.4#



Time-->



#25

Fluoranthene-d10

Concen: 0.356 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

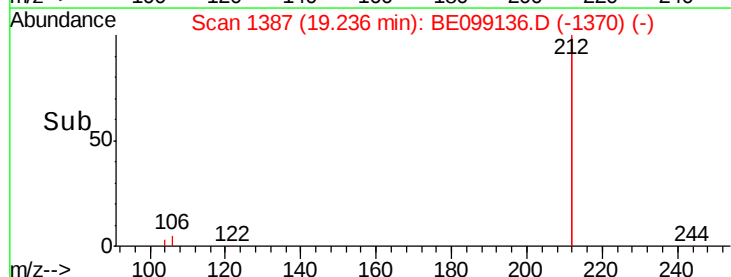
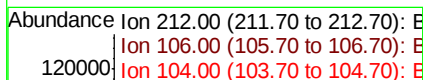
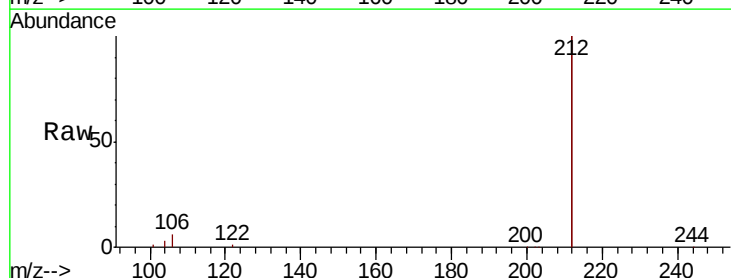
Tgt Ion:212 Resp: 131421

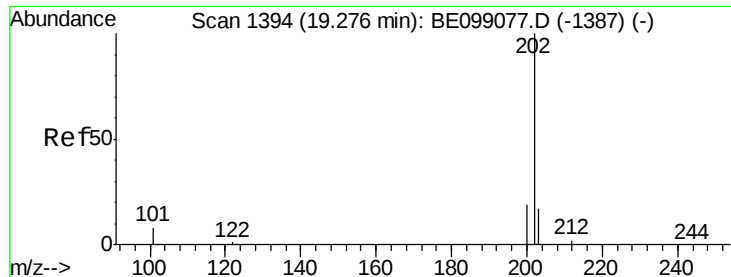
Ion Ratio Lower Upper

212 100

106 2.6 1.8 2.8

104 1.5 1.0 1.6

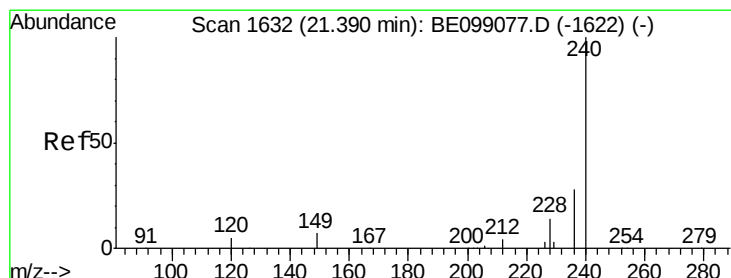
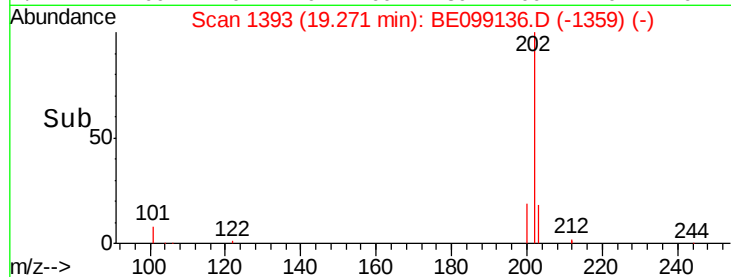
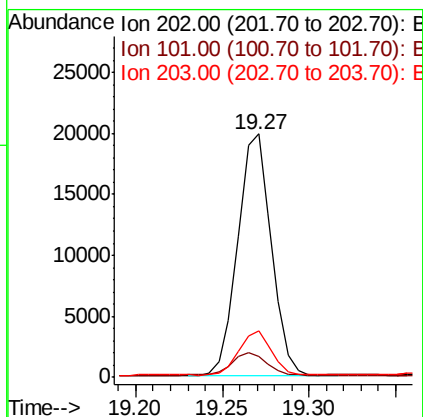
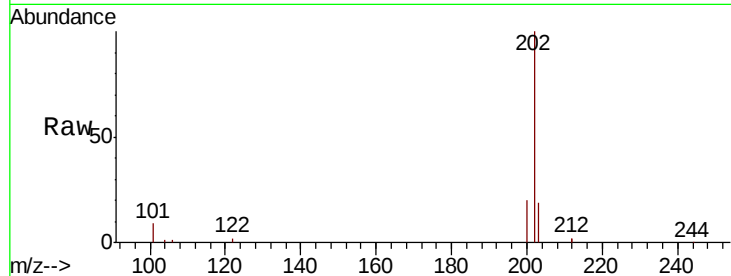




#26
Fluoranthene
Concen: 0.232 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099136.D
Acq: 24 Mar 2019 6:50

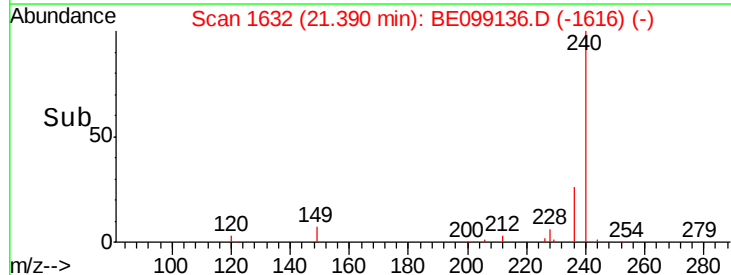
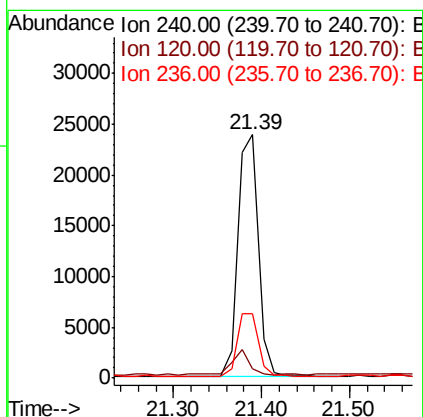
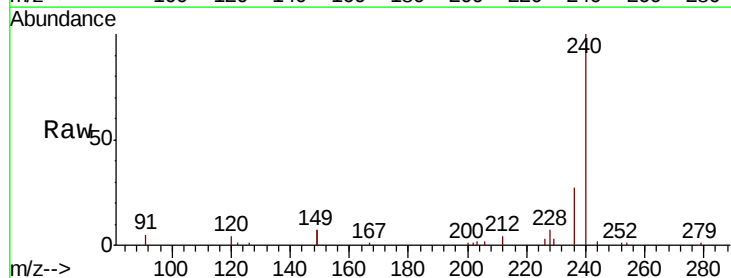
Instrument :
BNA_E
ClientSampleId :
PST-028-B098-031219

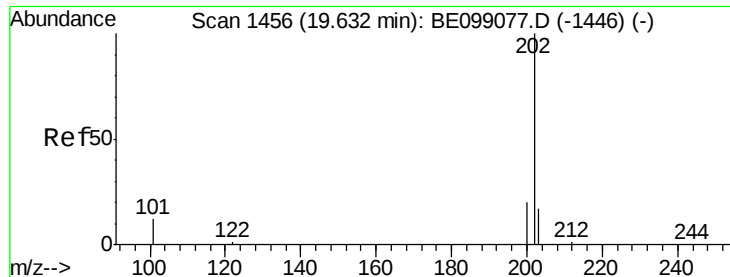
Tgt Ion: 202 Resp: 26795
Ion Ratio Lower Upper
202 100
101 10.4 7.3 10.9
203 17.8 13.4 20.2



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099136.D
Acq: 24 Mar 2019 6:50

Tgt Ion: 240 Resp: 38436
Ion Ratio Lower Upper
240 100
120 4.1 5.0 7.4#
236 26.7 22.7 34.1





#28

Pyrene

Concen: 0.179 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219

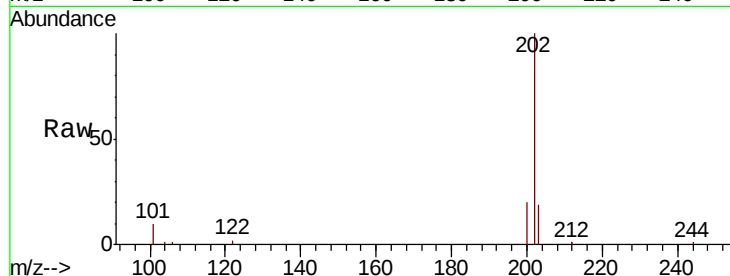
Tgt Ion:202 Resp: 23380

Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.6

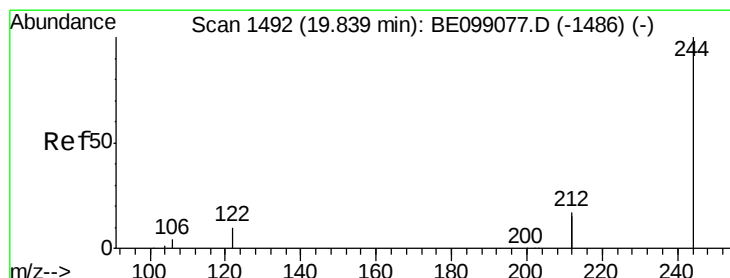
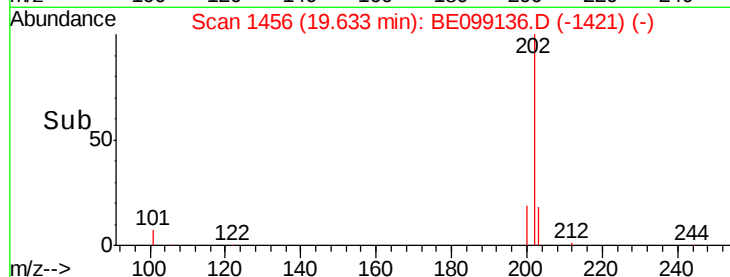
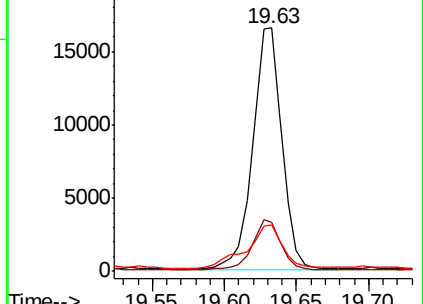
203 22.9 14.2 21.2#



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: 0.337 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

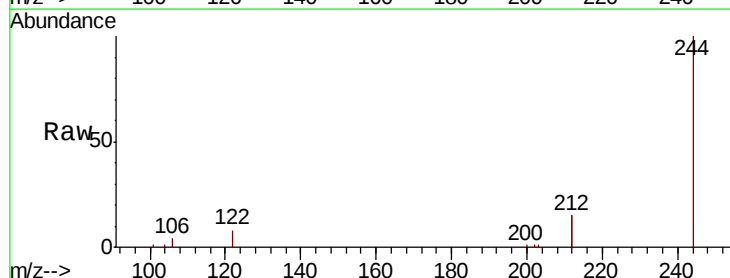
Tgt Ion:244 Resp: 27442

Ion Ratio Lower Upper

244 100

212 29.3 29.4 44.2#

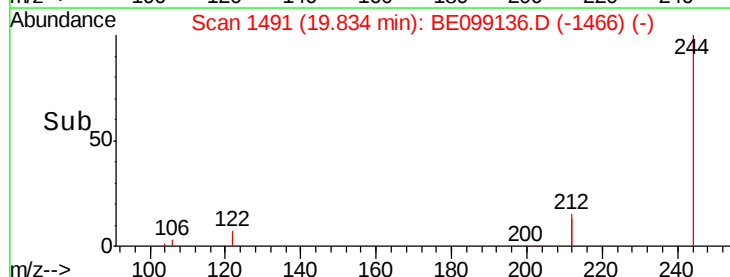
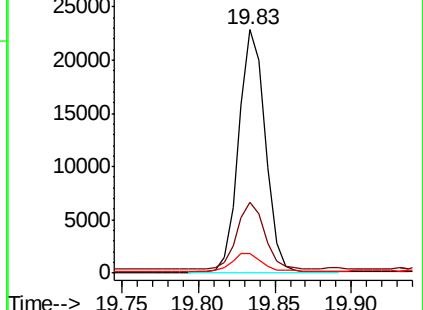
122 8.3 7.1 10.7

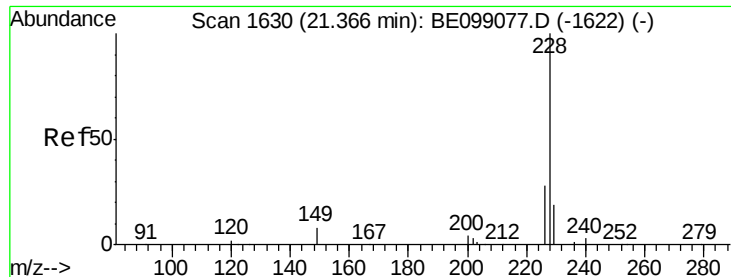


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.109 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219

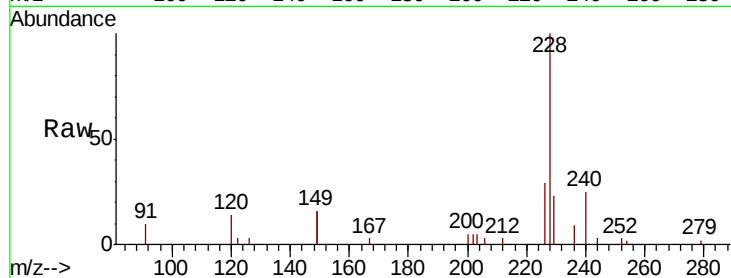
Tgt Ion:228 Resp: 14709

Ion Ratio Lower Upper

228 100

226 29.0 23.0 34.4

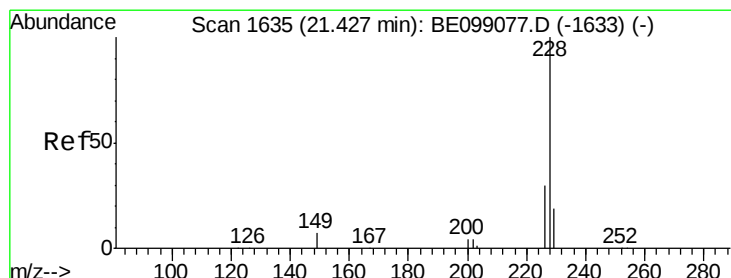
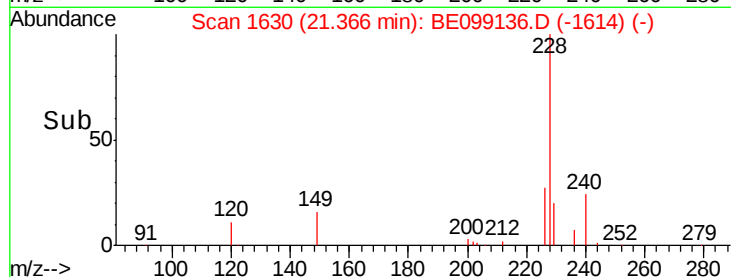
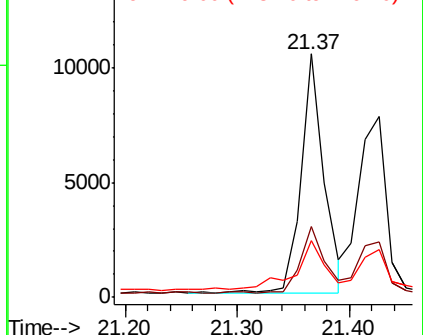
229 23.4 16.5 24.7



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: 0.066 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.06 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

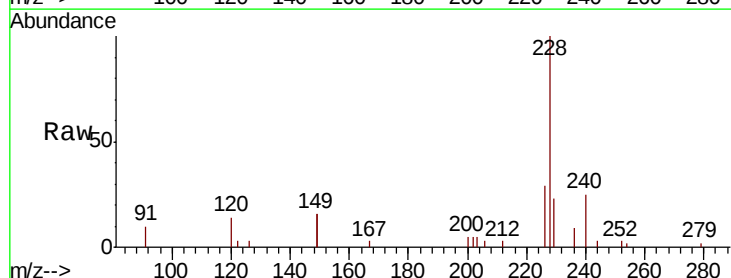
Tgt Ion:228 Resp: 8981

Ion Ratio Lower Upper

228 100

226 29.0 23.7 35.5

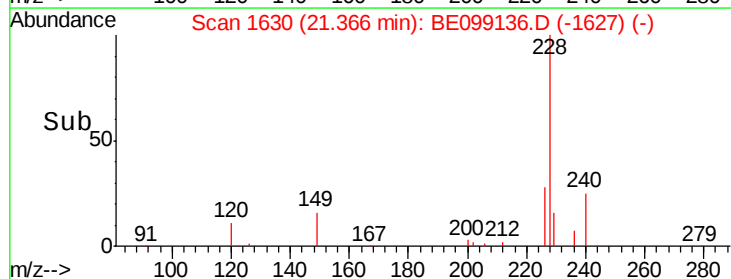
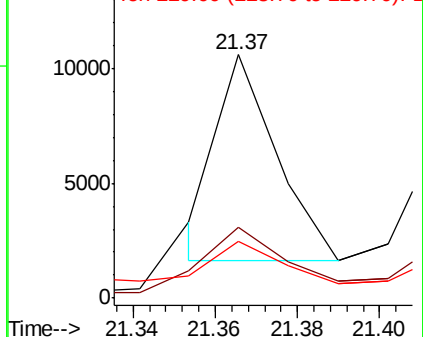
229 23.4 16.1 24.1

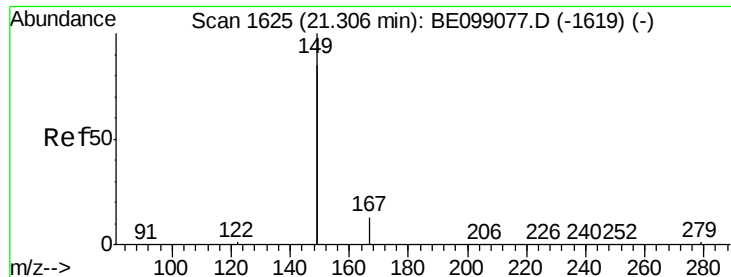


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.135 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219

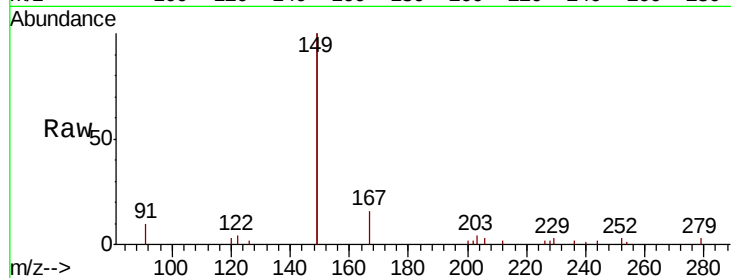
Tgt Ion:149 Resp: 23756

Ion Ratio Lower Upper

149 100

167 7.9 5.4 8.0

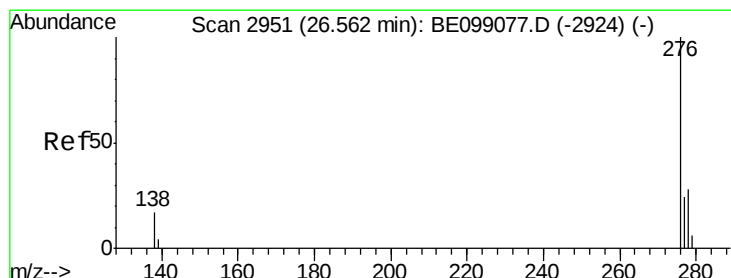
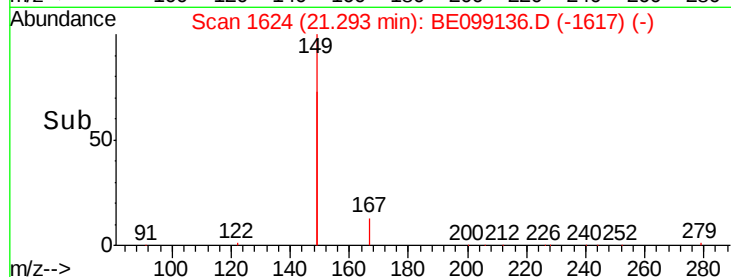
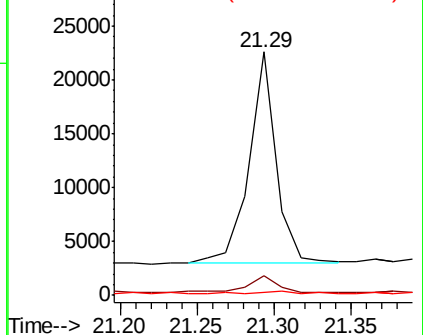
279 1.4 1.0 1.4#



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: 0.043 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

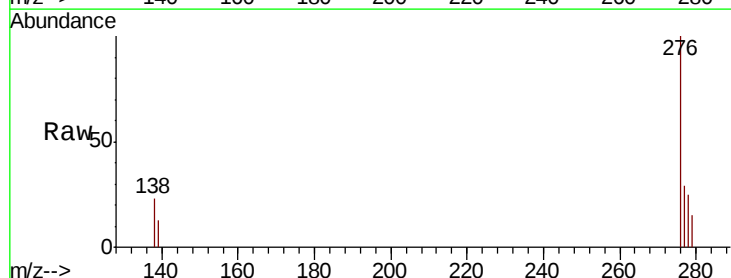
Tgt Ion:276 Resp: 6206

Ion Ratio Lower Upper

276 100

138 20.3 13.8 20.8

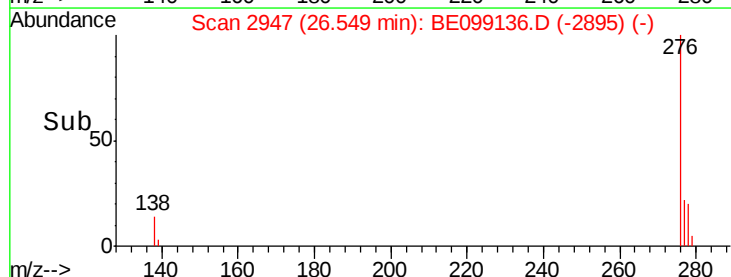
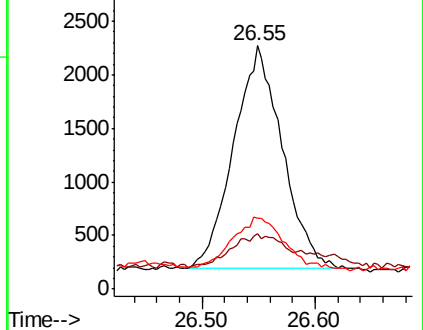
277 27.1 19.5 29.3

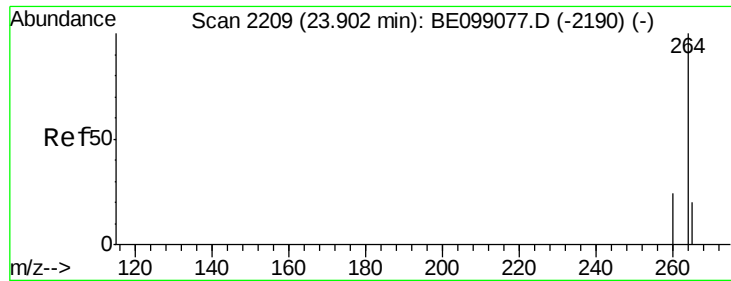


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

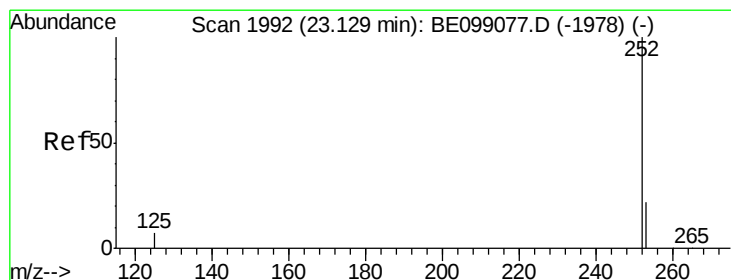
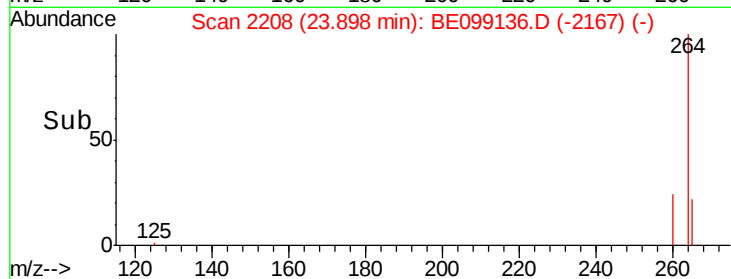
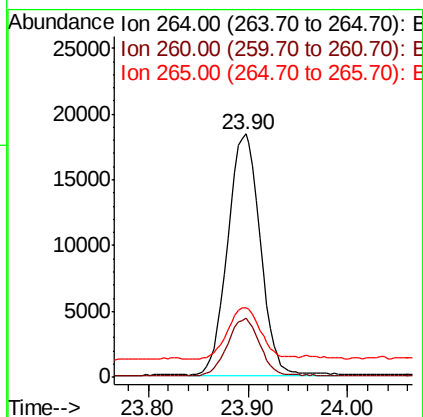
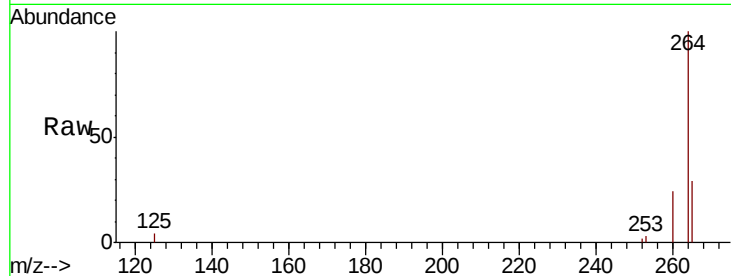




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE099136.D
 Acq: 24 Mar 2019 6:50

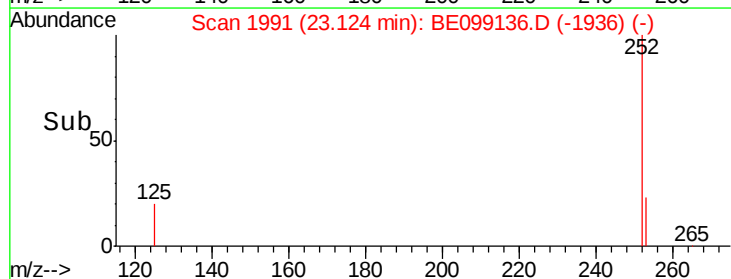
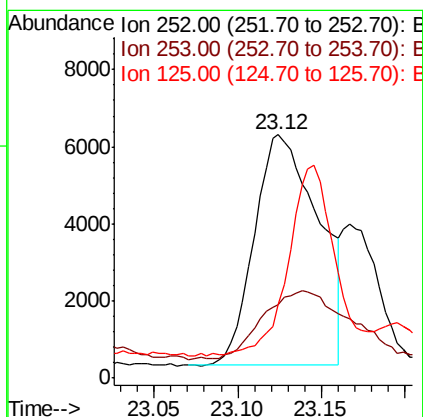
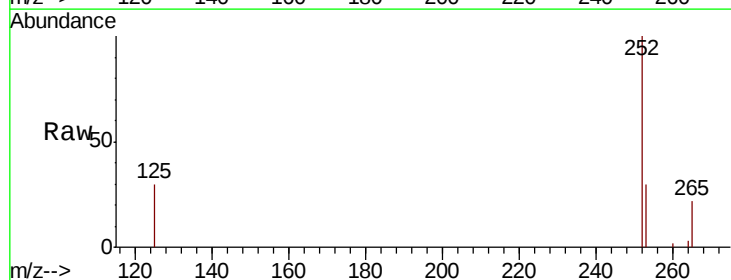
Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B098-031219

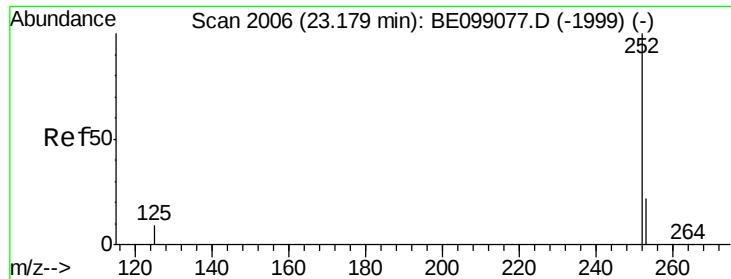
Tgt Ion: 264 Resp: 41634
 Ion Ratio Lower Upper
 264 100
 260 24.5 21.2 31.8
 265 28.8 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.111 ng
 RT: 23.12 min Scan# 1991
 Delta R.T. -0.00 min
 Lab File: BE099136.D
 Acq: 24 Mar 2019 6:50

Tgt Ion: 252 Resp: 15973
 Ion Ratio Lower Upper
 252 100
 253 30.3 18.2 27.2#
 125 30.1 7.3 10.9#





#36

Benzo(k)fluoranthene

Concen: 0.113 ng

RT: 23.12 min Scan# 1991

Delta R.T. -0.05 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219

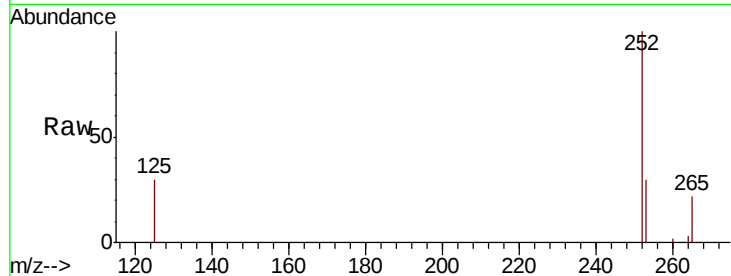
Tgt Ion: 252 Resp: 15973

Ion Ratio Lower Upper

252 100

253 30.3 19.3 28.9#

125 30.1 7.5 11.3#

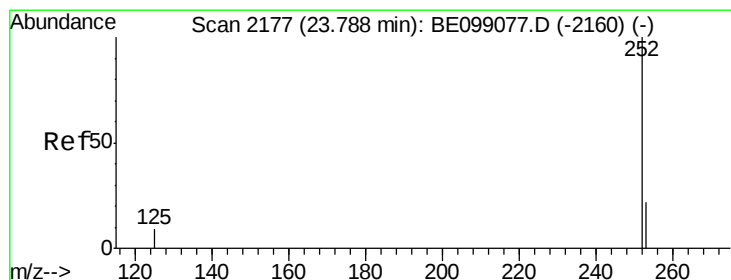
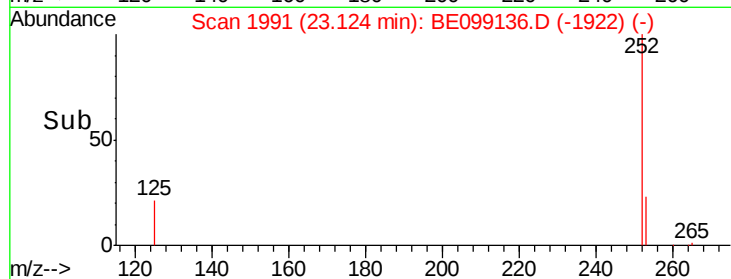
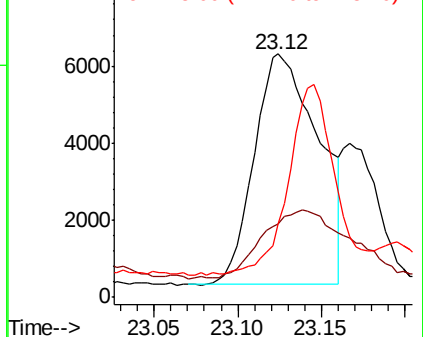


Abundance

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: 0.086 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099136.D

Acq: 24 Mar 2019 6:50

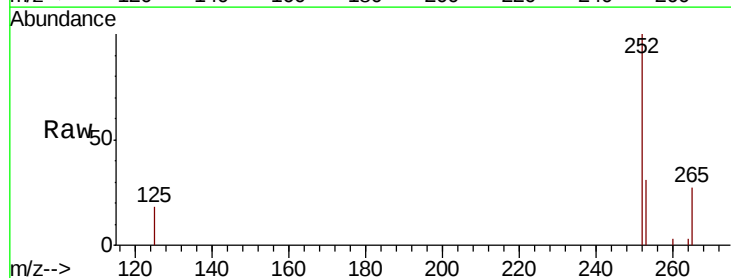
Tgt Ion: 252 Resp: 11419

Ion Ratio Lower Upper

252 100

253 30.7 19.9 29.9#

125 18.1 9.0 13.4#

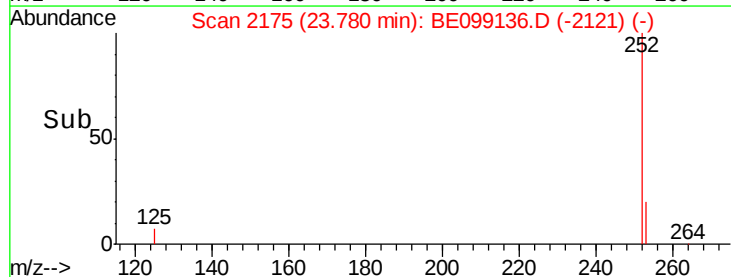
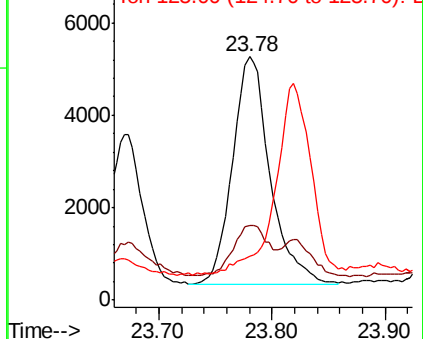


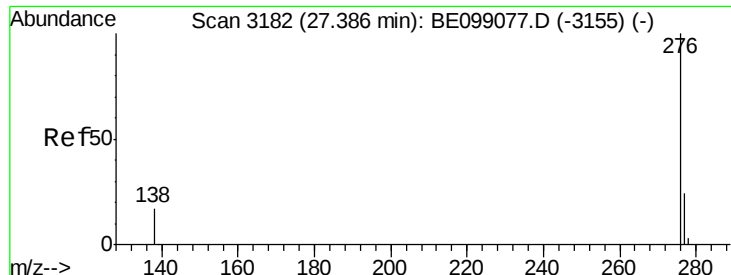
Abundance

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





#39

Benzo(g,h,i)perylene

Concen: 0.044 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.02 min

Lab File: BE099136.D

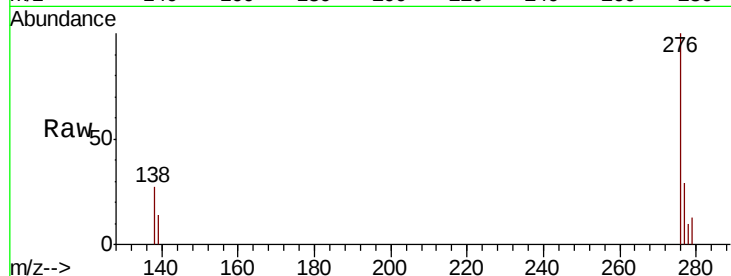
Acq: 24 Mar 2019 6:50

Instrument :

BNA_E

ClientSampleId :

PST-028-B098-031219



Tgt Ion: 276 Resp: 5870

Ion Ratio Lower Upper

276 100

277 29.1 20.4 30.6

138 26.7 13.6 20.4

