

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099094.D
 Acq On : 22 Mar 2019 23:55
 Operator : JU/SJ
 Sample : K1947-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B128-031319

Quant Time: Mar 23 01:16:21 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 00:46:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3264	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	12645	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	8144	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	22001	0.40	ng	0.00
27) Chrysene-d12	21.39	240	32929	0.40	ng	0.00
34) Perylene-d12	23.90	264	38430	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	4373	0.45	ng	0.00
5) Phenol-d6	7.00	99	6146	0.44	ng	0.00
8) Nitrobenzene-d5	9.16	82	214	0.04	ng	0.17
11) 2-Methylnaphthalene-d10	12.22	152	8041	0.35	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	1494	0.62	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	12313	0.38	ng	0.00
25) Fluoranthene-d10	19.24	212	94709	0.32	ng	0.00
29) Terphenyl-d14	19.84	244	20900	0.30	ng	0.00

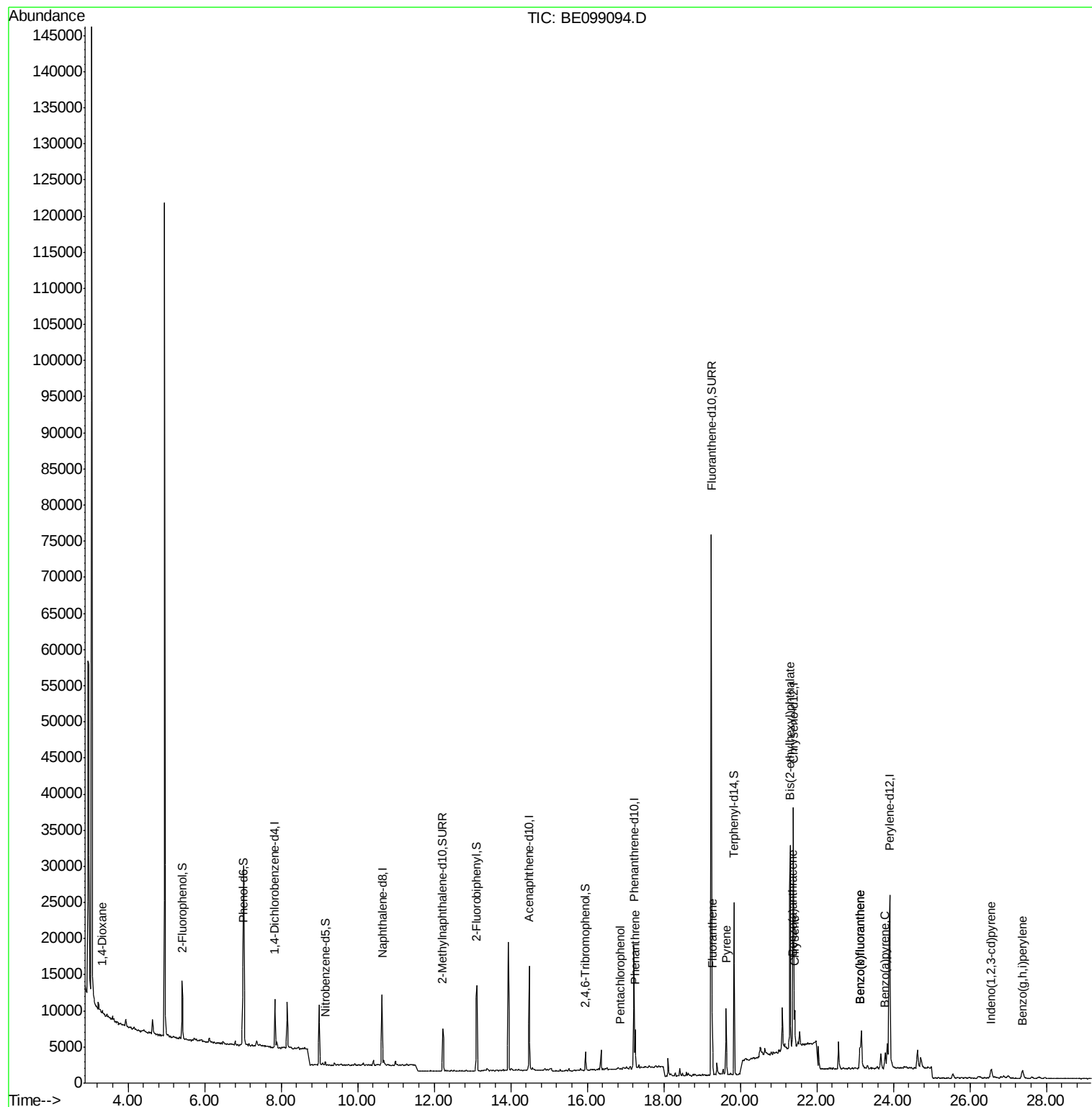
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	138	0.027	ng	# 1
22) Pentachlorophenol	16.87	266	27	0.257	ng	# 93
23) Phenanthrene	17.26	178	5155	0.079	ng	# 96
26) Fluoranthene	19.27	202	7061	0.077	ng	# 96
28) Pyrene	19.63	202	8168	0.073	ng	# 94
30) Benzo(a)anthracene	21.37	228	4023	0.035	ng	# 92
31) Chrysene	21.43	228	4900	0.042	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.31	149	37869	0.252	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.56	276	2629	0.021	ng	# 89
35) Benzo(b)fluoranthene	23.12	252	6019	0.045	ng	# 72
36) Benzo(k)fluoranthene	23.12	252	6019	0.046	ng	# 75
37) Benzo(a)pyrene	23.78	252	3765	0.031	ng	# 79
39) Benzo(g,h,i)perylene	27.38	276	2939	0.024	ng	# 87

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

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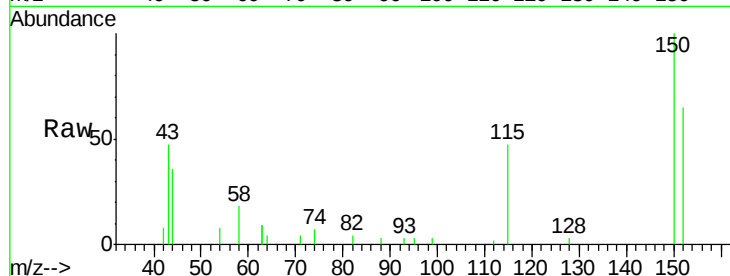


#1

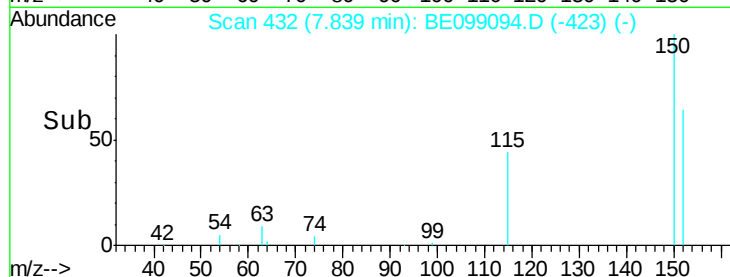
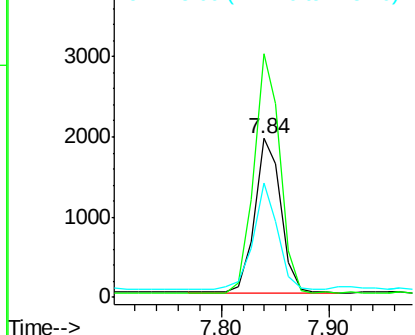
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099094.D
Acq: 22 Mar 2019 23:55

Instrument :
BNA_E
ClientSampleId :
PST-025-B128-031319

Tgt Ion:152 Resp: 3264
Ion Ratio Lower Upper
152 100
150 153.4 122.5 183.7
115 72.0 57.4 86.2



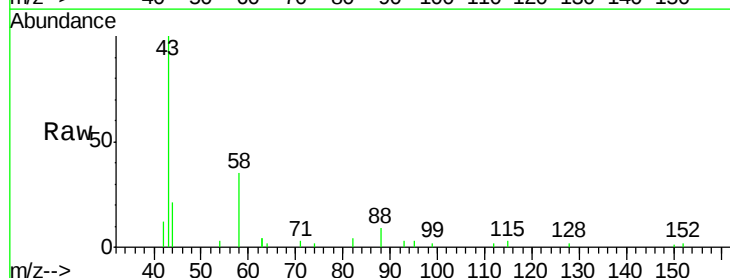
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



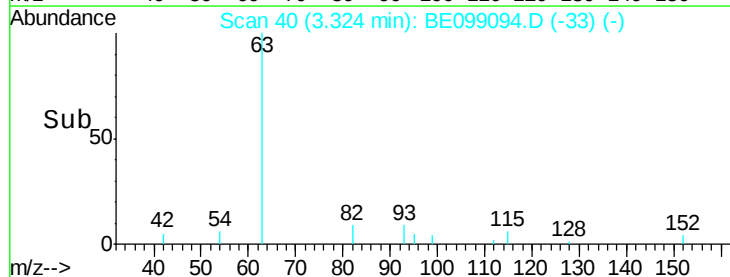
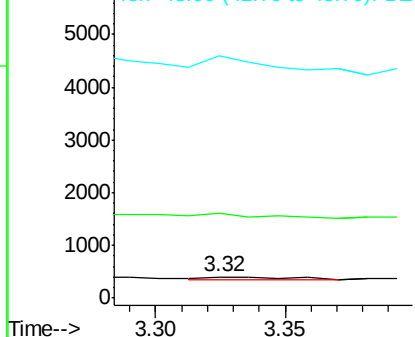
#2

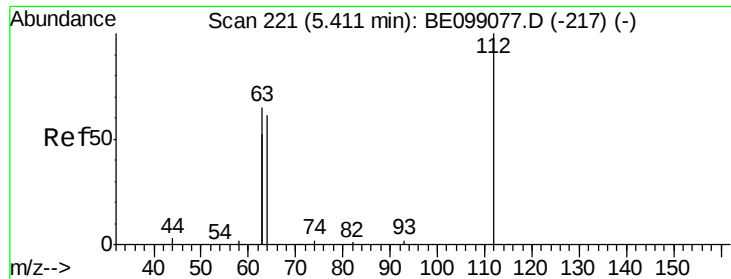
1,4-Dioxane
Concen: 0.027 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.02 min
Lab File: BE099094.D
Acq: 22 Mar 2019 23:55

Tgt Ion: 88 Resp: 138
Ion Ratio Lower Upper
88 100
58 0.0 52.0 78.0#
43 439.9 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





#4

2-Fluorophenol

Concen: 0.450 ng

RT: 5.42 min Scan# 222

Delta R.T. 0.01 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

Instrument :

BNA_E

ClientSampleId :

PST-025-B128-031319

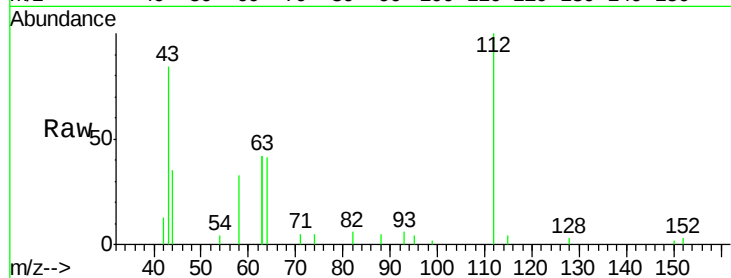
Tgt Ion: 112 Resp: 4373

Ion Ratio Lower Upper

112 100

64 58.9 57.9 86.9

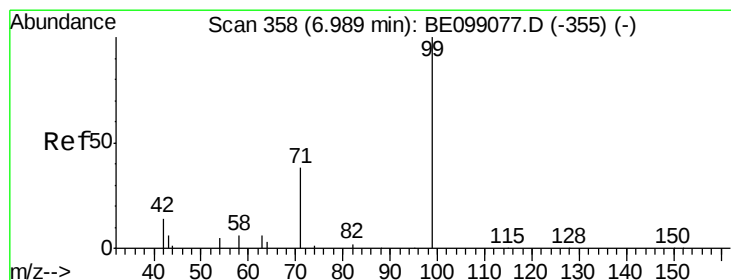
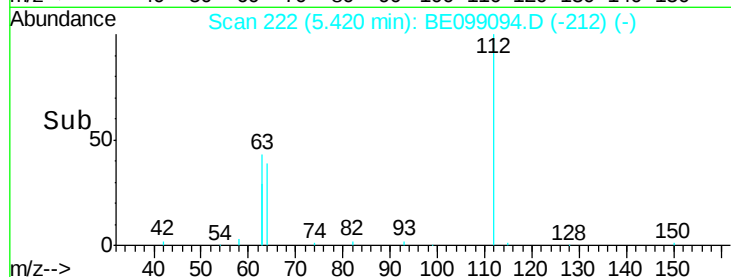
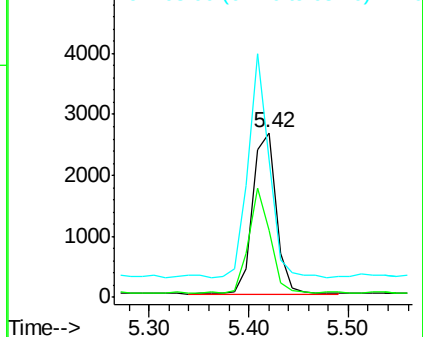
63 122.4 158.3 237.5#



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: 0.439 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

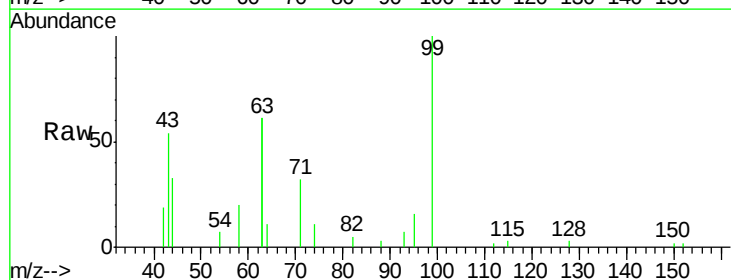
Tgt Ion: 99 Resp: 6146

Ion Ratio Lower Upper

99 100

42 29.5 24.2 36.2

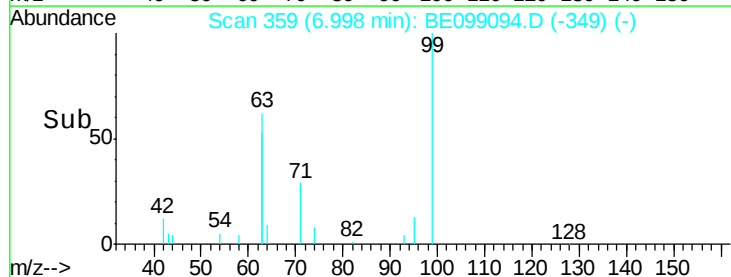
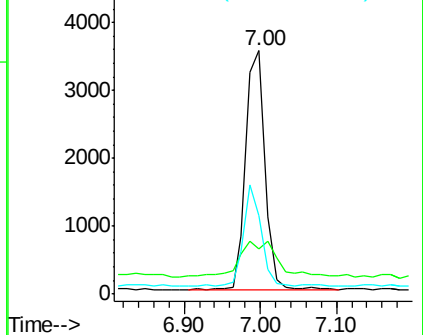
71 0.0 35.7 53.5#

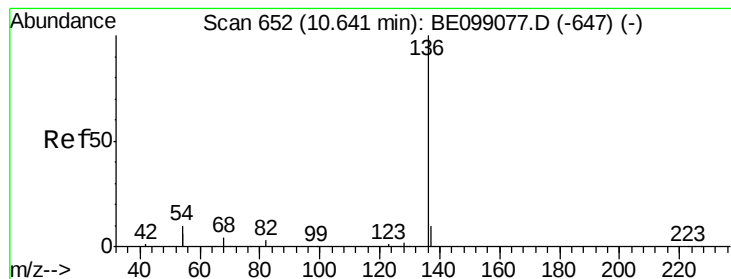


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE099094.D

Acq: 22 Mar 2019 23:55

Instrument :

BNA_E

ClientSampleId :

PST-025-B128-031319

Tgt Ion: 136 Resp: 12645

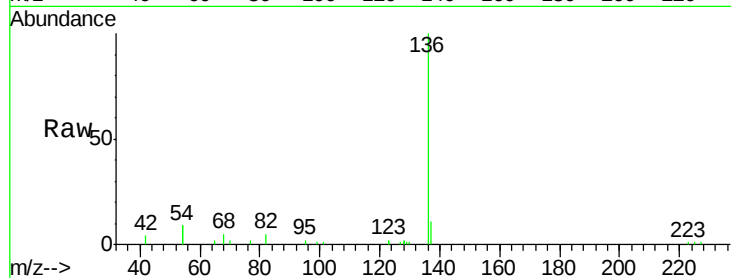
Ion Ratio Lower Upper

136 100

137 11.3 11.4 17.0#

54 17.7 39.3 58.9#

68 5.0 6.7 10.1#

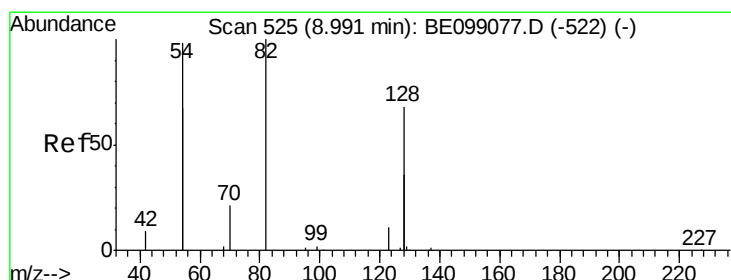
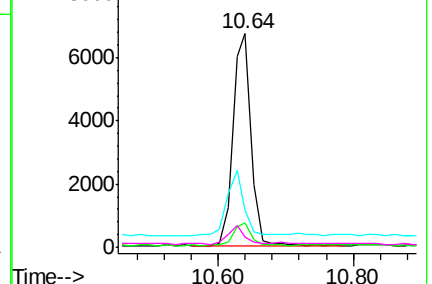
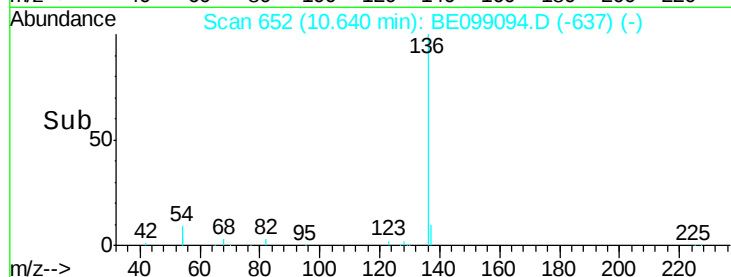


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.039 ng

RT: 9.16 min Scan# 538

Delta R.T. 0.17 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

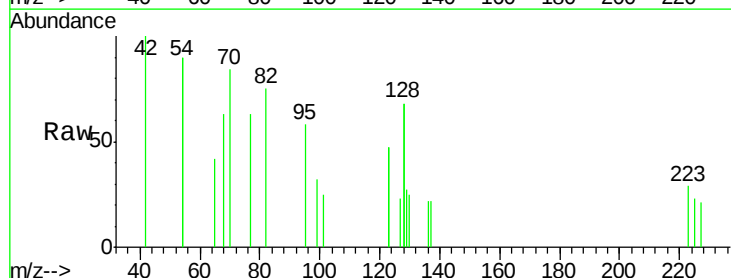
Tgt Ion: 82 Resp: 214

Ion Ratio Lower Upper

82 100

128 181.6 123.8 185.8

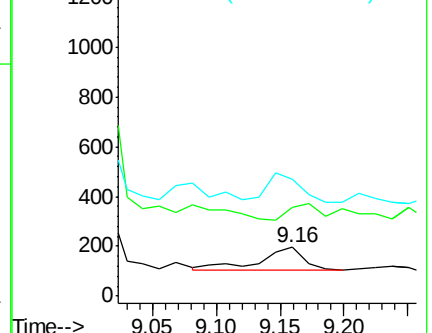
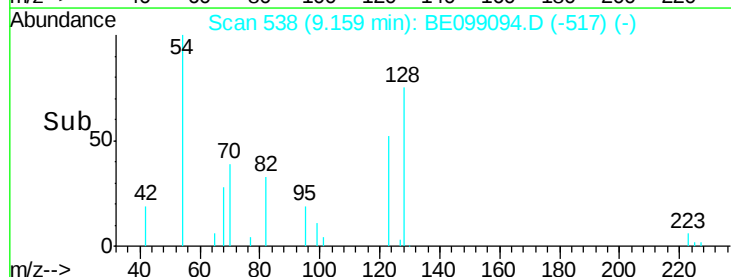
54 240.8 203.4 305.2

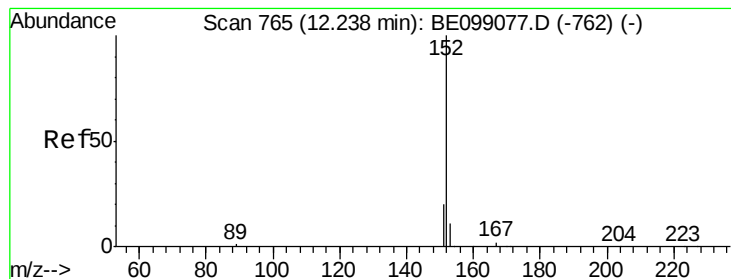


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.353 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.02 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

Instrument :

BNA_E

ClientSampleId :

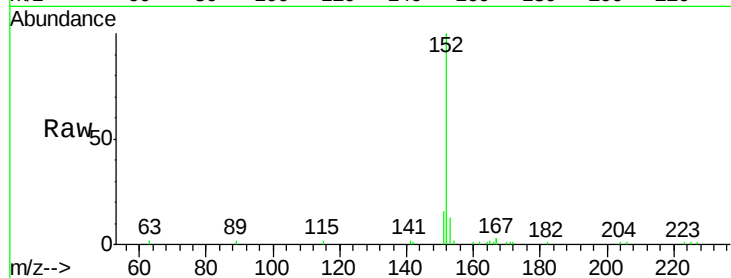
PST-025-B128-031319

Tgt Ion:152 Resp: 8041

Ion Ratio Lower Upper

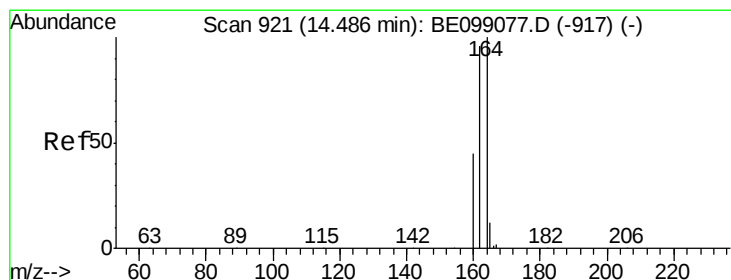
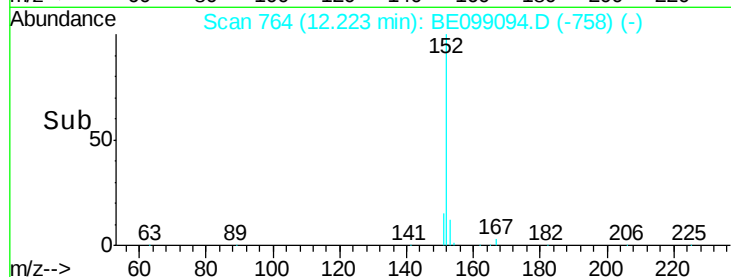
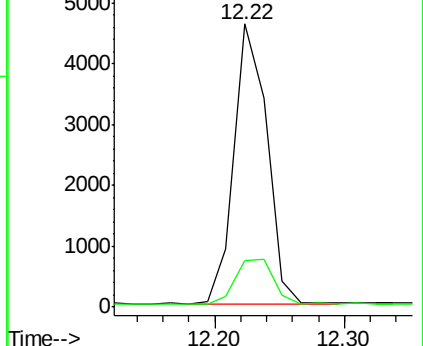
152 100

151 18.4 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: 14.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

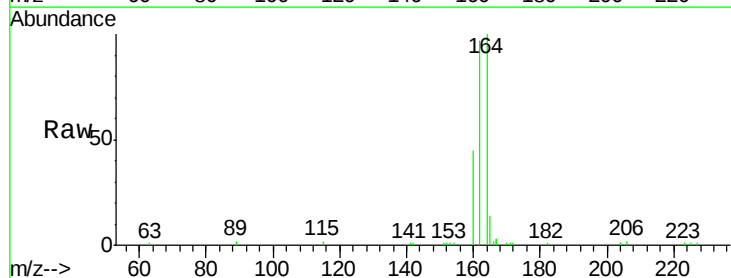
Tgt Ion:164 Resp: 8144

Ion Ratio Lower Upper

164 100

162 97.3 80.2 120.2

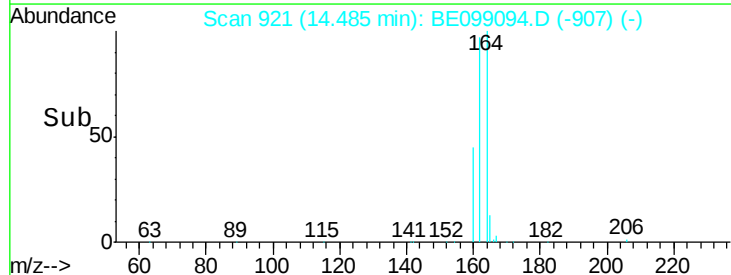
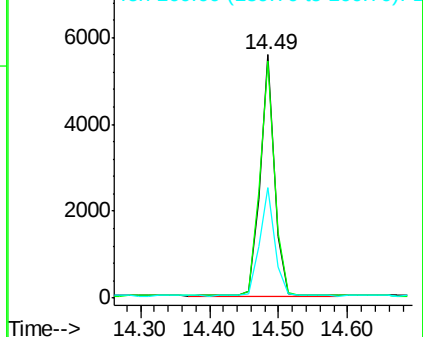
160 45.3 37.8 56.8

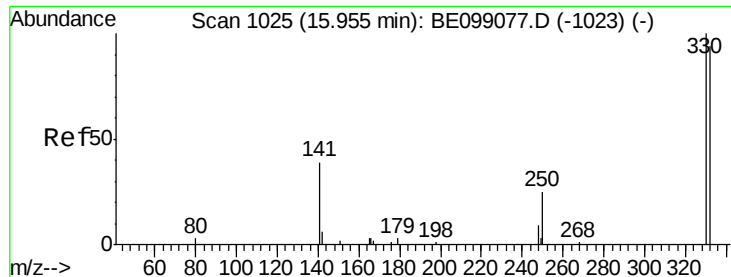


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

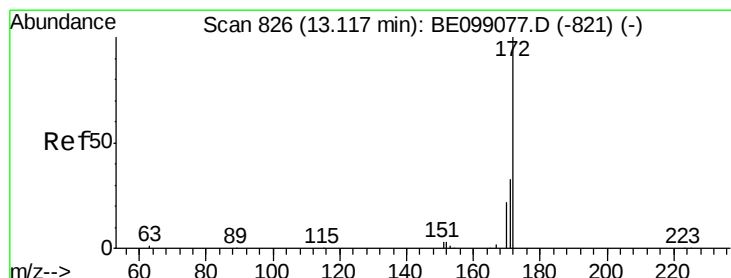
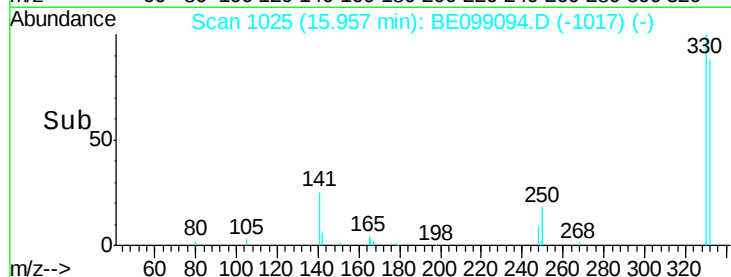
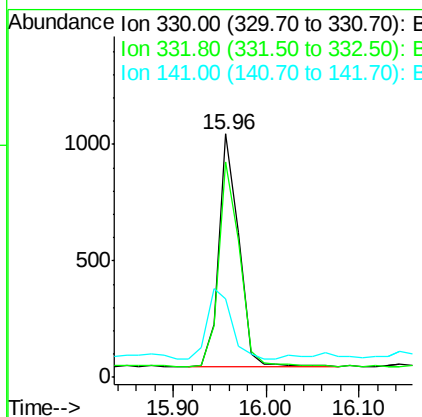
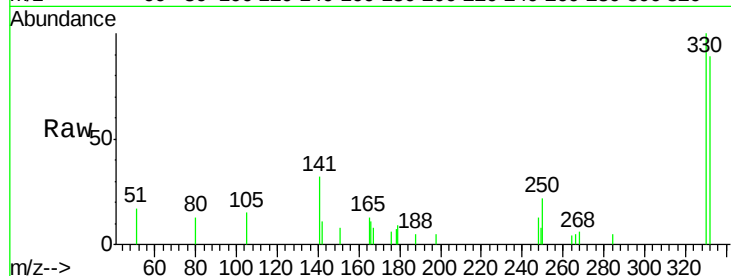




#14
 2,4,6-Tribromophenol
 Concen: 0.624 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099094.D
 Acq: 22 Mar 2019 23:55

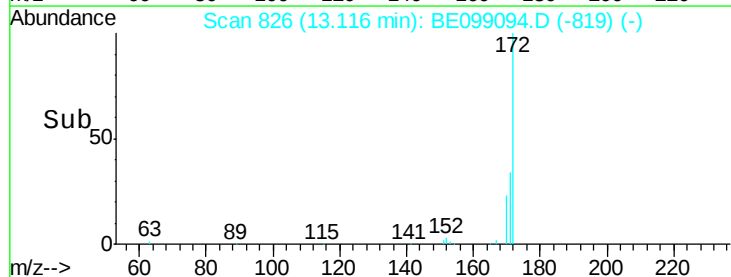
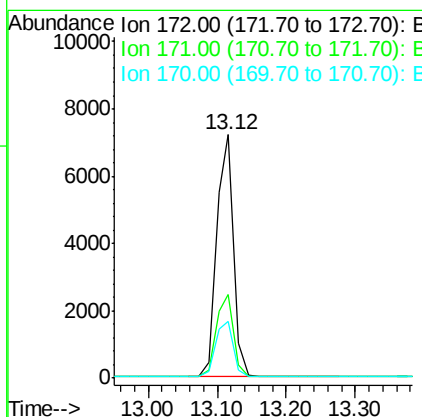
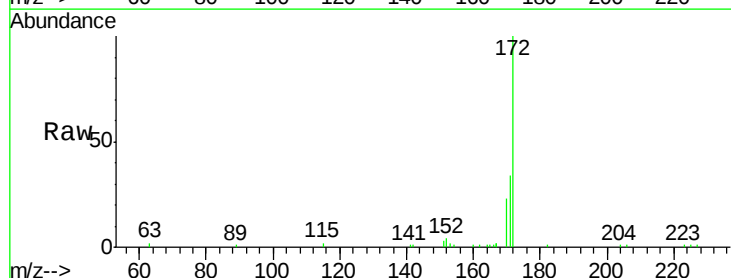
Instrument :
 BNA_E
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 PST-025-B128-031319

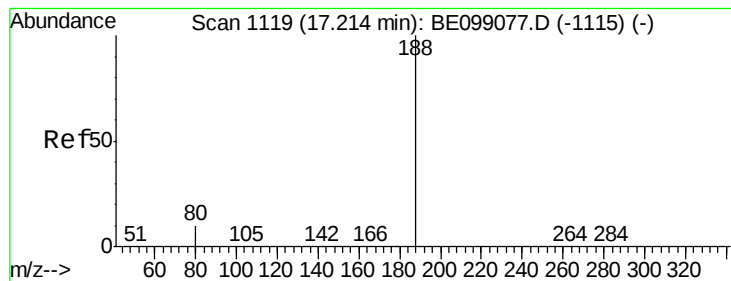
Tgt Ion: 330 Resp: 1494
 Ion Ratio Lower Upper
 330 100
 332 92.6 77.6 116.4
 141 36.9 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.380 ng
 RT: 13.12 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BE099094.D
 Acq: 22 Mar 2019 23:55

Tgt Ion: 172 Resp: 12313
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.0 42.0
 170 23.3 17.7 26.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

Instrument :

BNA_E

ClientSampleId :

PST-025-B128-031319

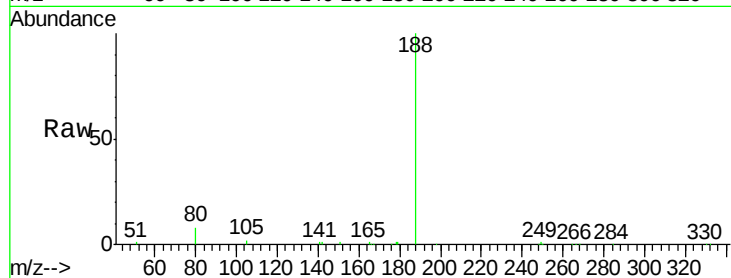
Tgt Ion:188 Resp: 22001

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

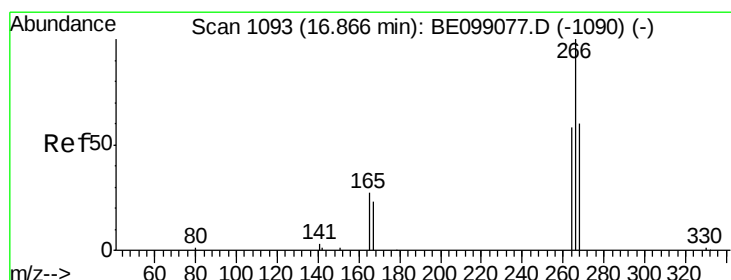
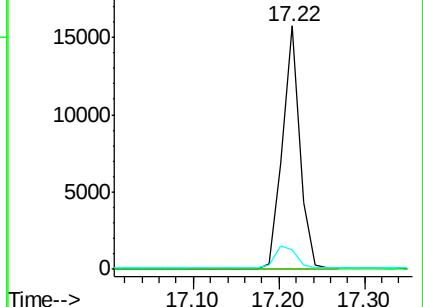
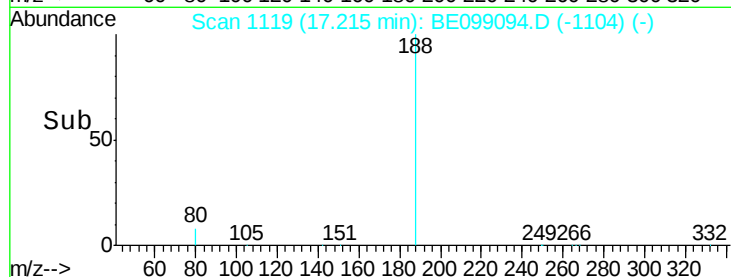
80 8.2 6.3 9.5



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: 0.257 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

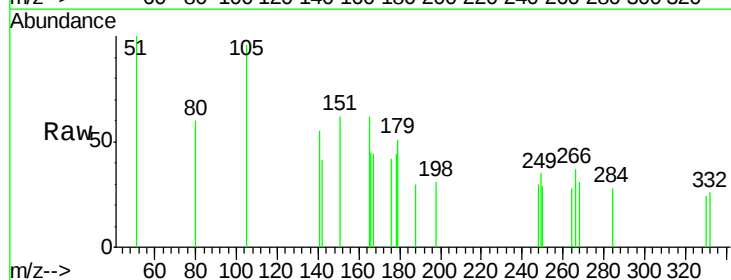
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

264 75.7 66.6 100.0

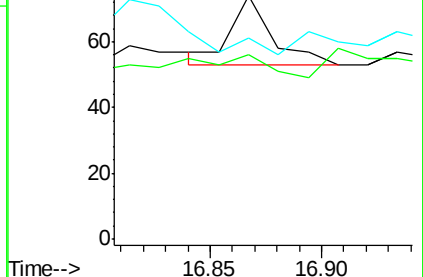
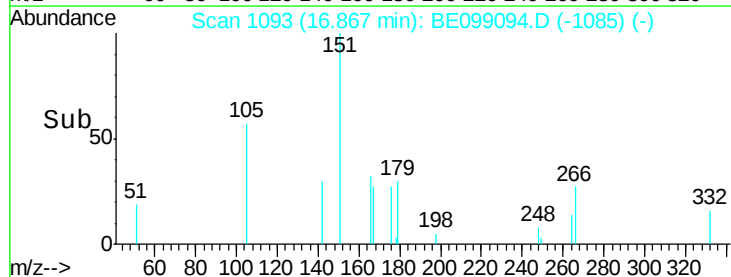
268 82.4 69.8 104.8

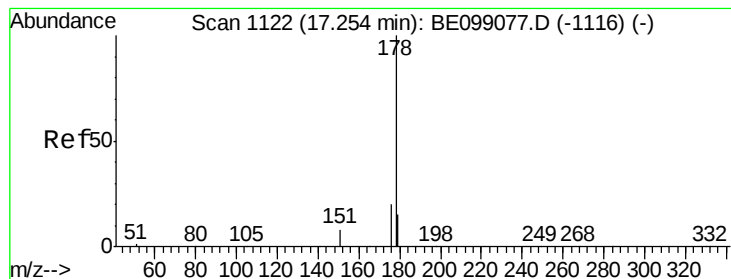


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.079 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

Instrument :

BNA_E

ClientSampleId :

PST-025-B128-031319

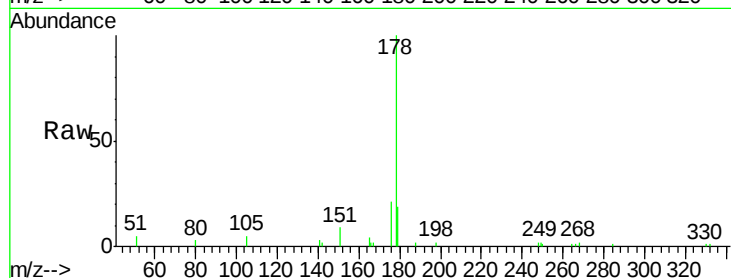
Tgt Ion:178 Resp: 5155

Ion Ratio Lower Upper

178 100

176 20.2 16.0 24.0

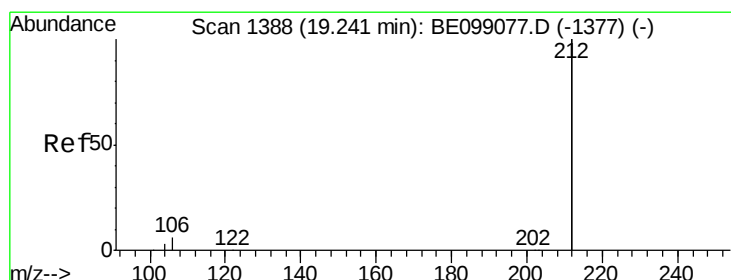
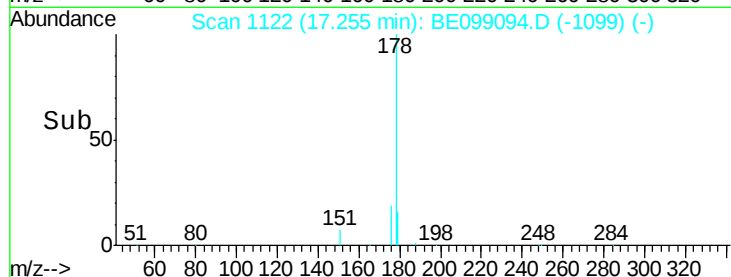
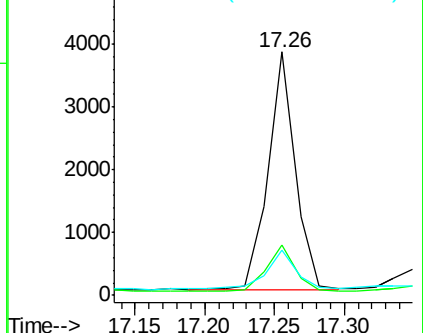
179 19.1 12.1 18.1#



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: 0.323 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

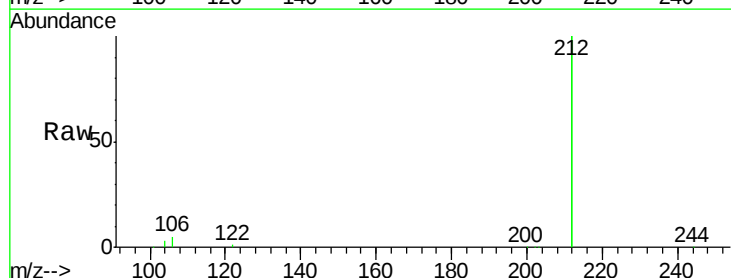
Tgt Ion:212 Resp: 94709

Ion Ratio Lower Upper

212 100

106 2.8 1.8 2.8#

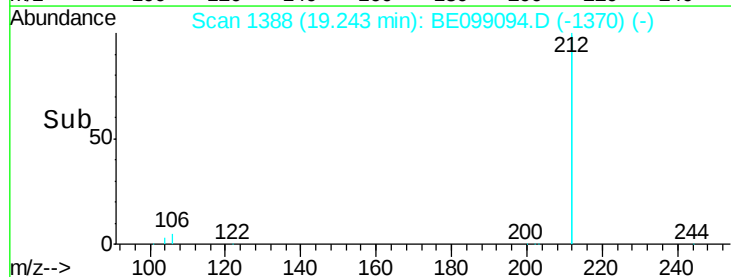
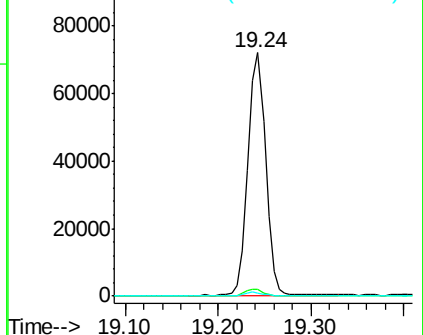
104 1.6 1.0 1.6#

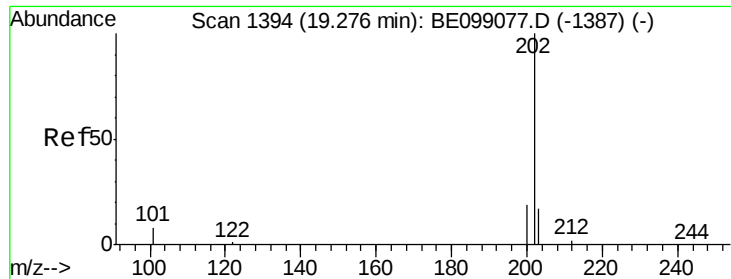


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

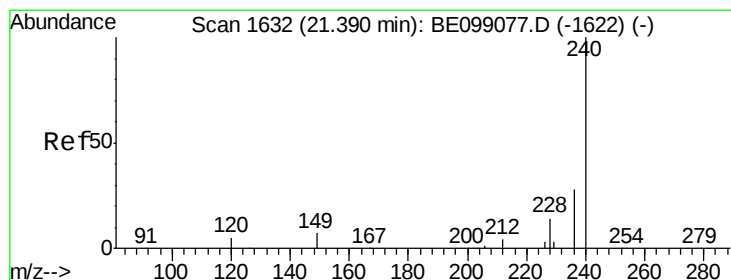
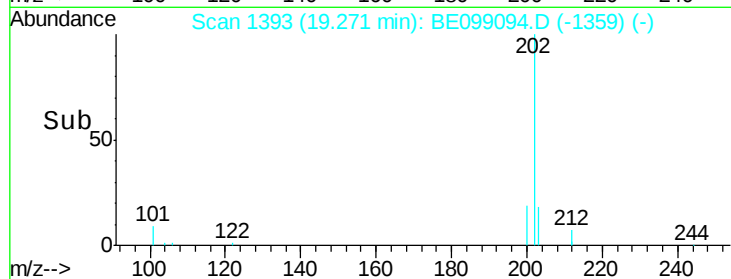
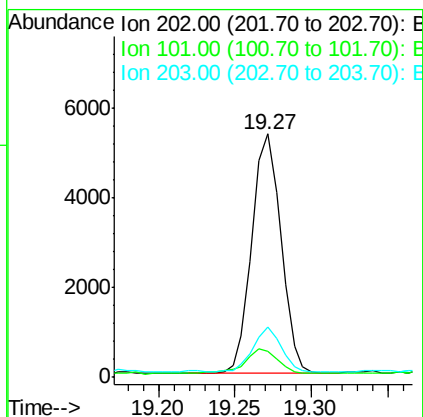
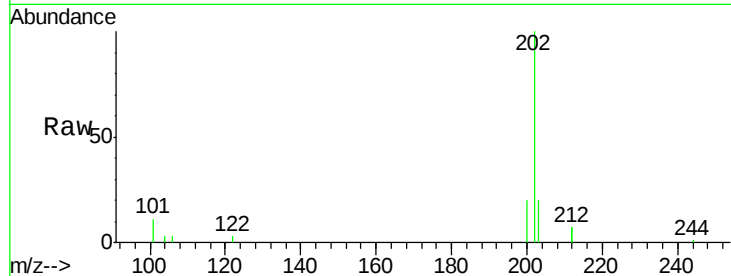




#26
 Fluoranthene
 Concen: 0.077 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: BE099094.D
 Acq: 22 Mar 2019 23:55

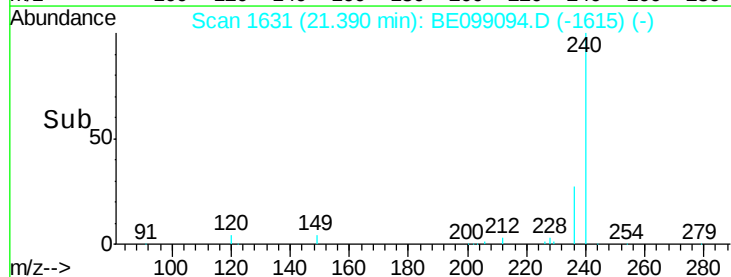
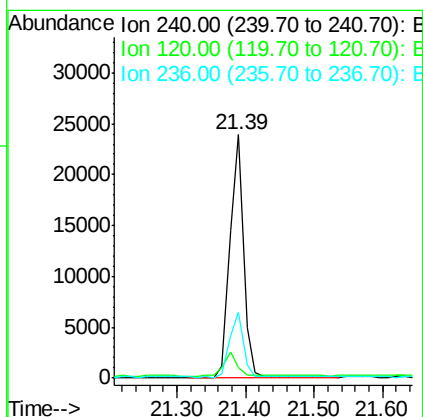
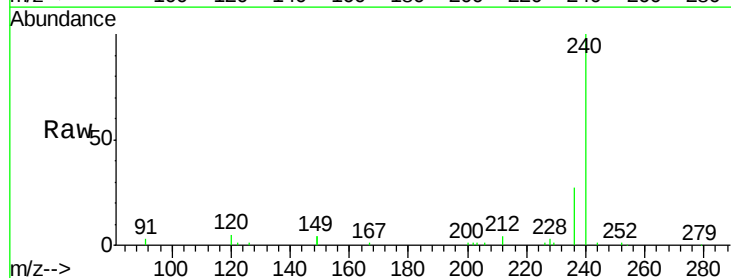
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B128-031319

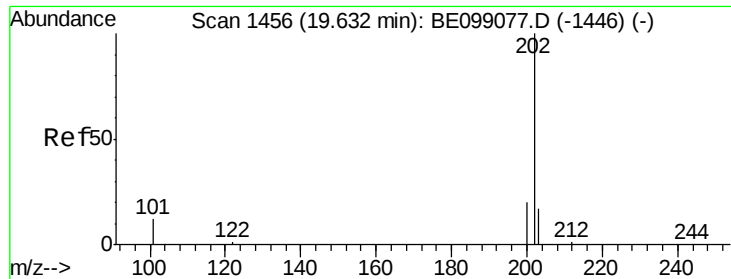
Tgt Ion: 202 Resp: 7061
 Ion Ratio Lower Upper
 202 100
 101 11.4 7.3 10.9#
 203 18.2 13.4 20.2



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: BE099094.D
 Acq: 22 Mar 2019 23:55

Tgt Ion: 240 Resp: 32929
 Ion Ratio Lower Upper
 240 100
 120 4.6 5.0 7.4#
 236 27.0 22.7 34.1

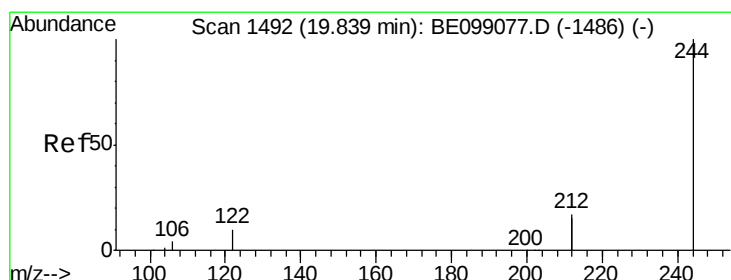
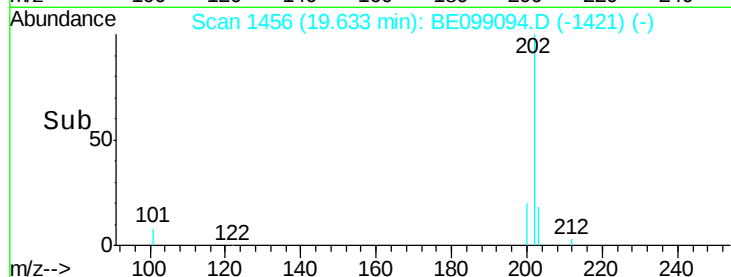
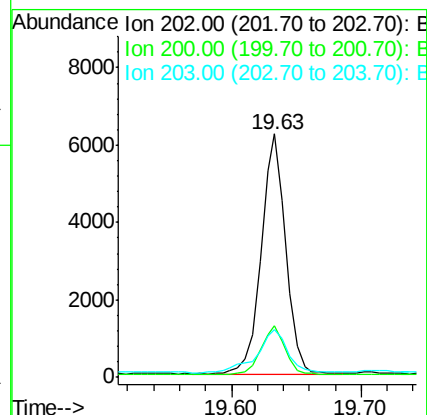
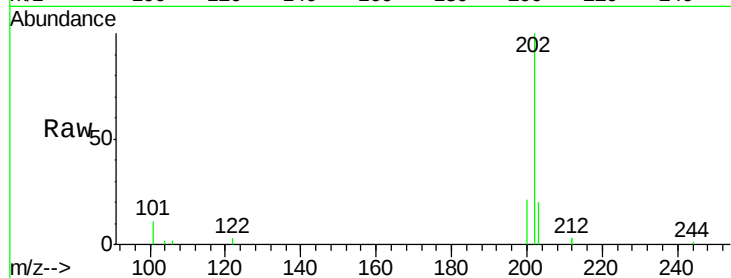




#28
Pyrene
Concen: 0.073 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099094.D
Acq: 22 Mar 2019 23:55

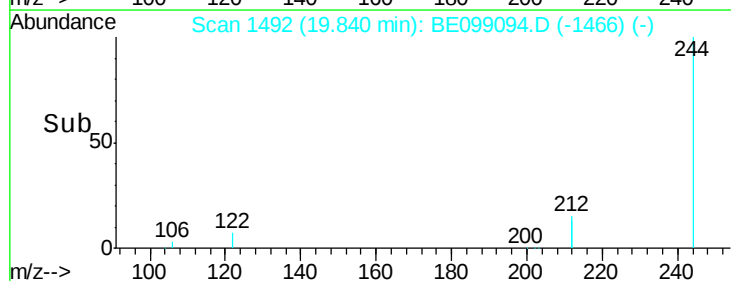
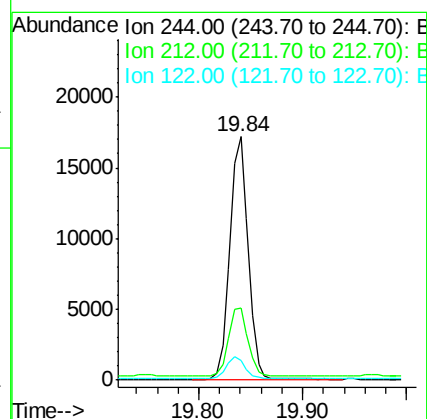
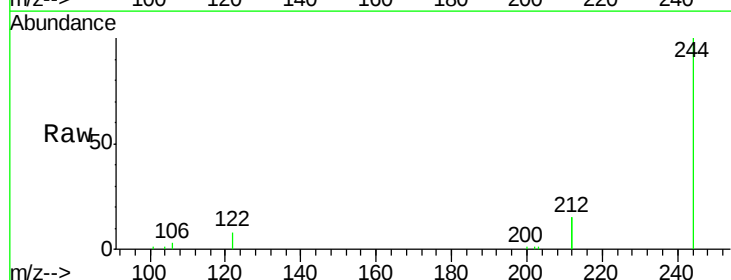
Instrument :
BNA_E
ClientSampleId :
PST-025-B128-031319

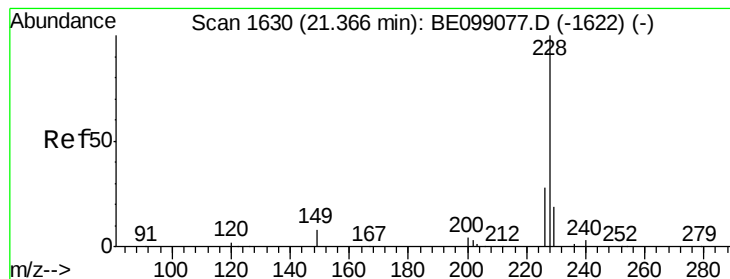
Tgt Ion: 202 Resp: 8168
Ion Ratio Lower Upper
202 100
200 20.0 17.0 25.6
203 22.2 14.2 21.2#



#29
Terphenyl-d14
Concen: 0.300 ng
RT: 19.84 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BE099094.D
Acq: 22 Mar 2019 23:55

Tgt Ion: 244 Resp: 20900
Ion Ratio Lower Upper
244 100
212 29.4 29.4 44.2#
122 8.1 7.1 10.7





#30

Benzo(a)anthracene

Concen: 0.035 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

Instrument :

BNA_E

ClientSampleId :

PST-025-B128-031319

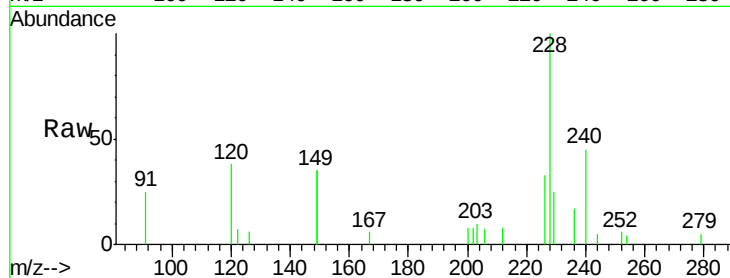
Tgt Ion:228 Resp: 4023

Ion Ratio Lower Upper

228 100

226 32.7 23.0 34.4

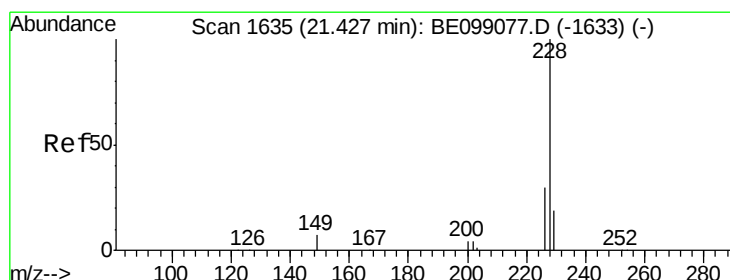
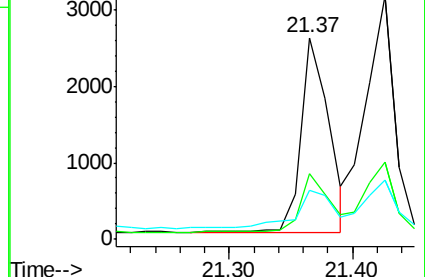
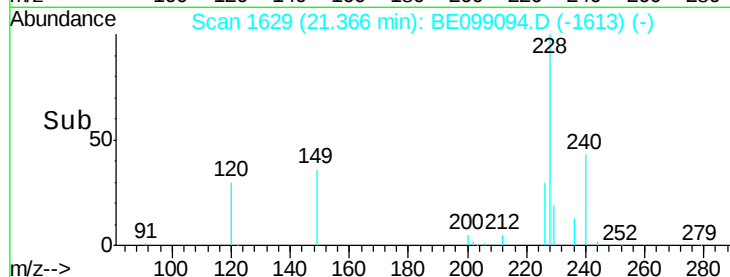
229 24.6 16.5 24.7



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: 0.042 ng

RT: 21.43 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

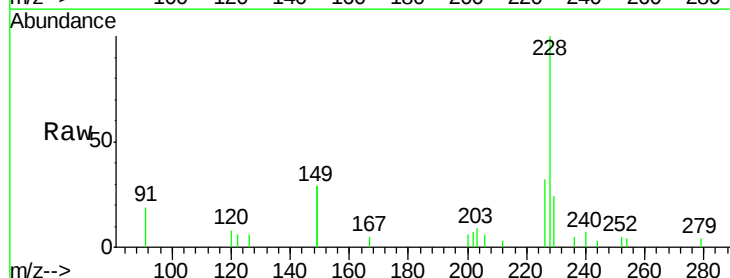
Tgt Ion:228 Resp: 4900

Ion Ratio Lower Upper

228 100

226 31.5 23.7 35.5

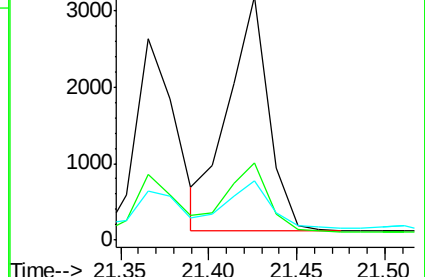
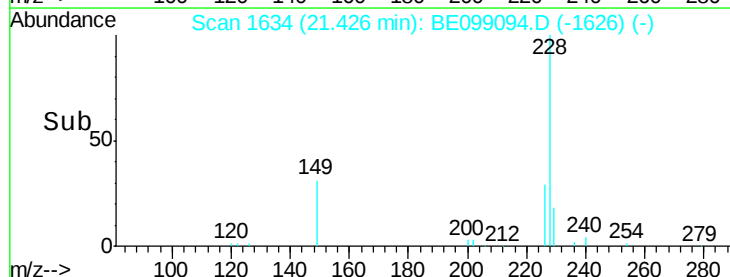
229 24.1 16.1 24.1#

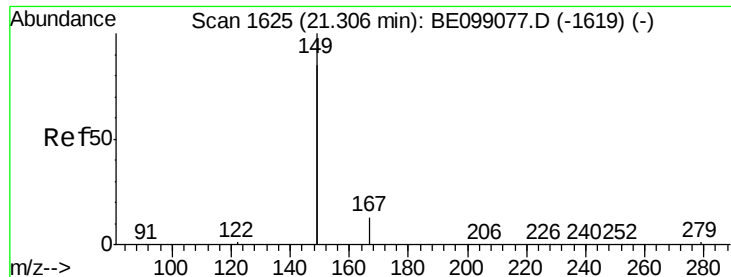


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

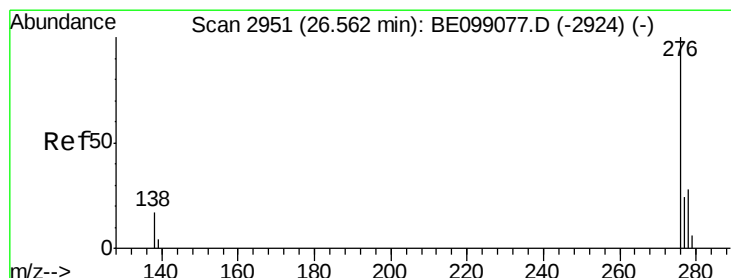
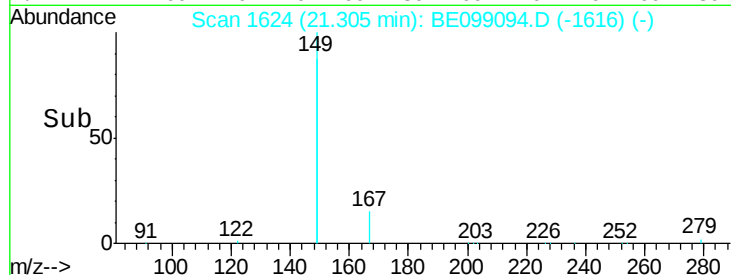
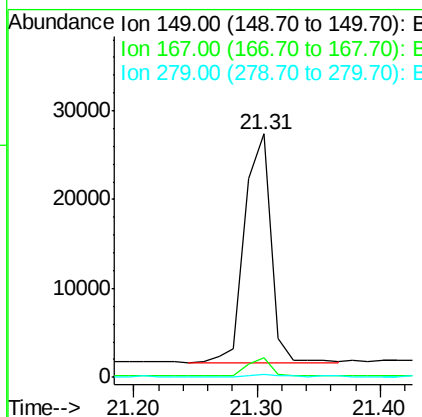
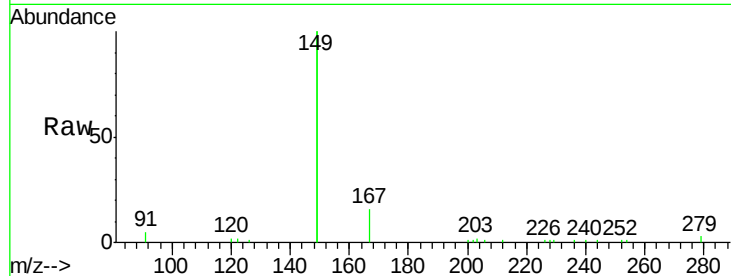




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.252 ng
 RT: 21.31 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BE099094.D
 Acq: 22 Mar 2019 23:55

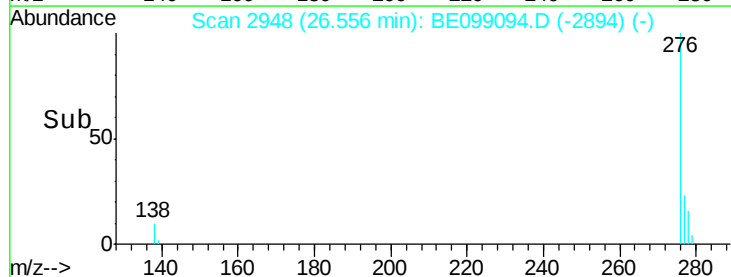
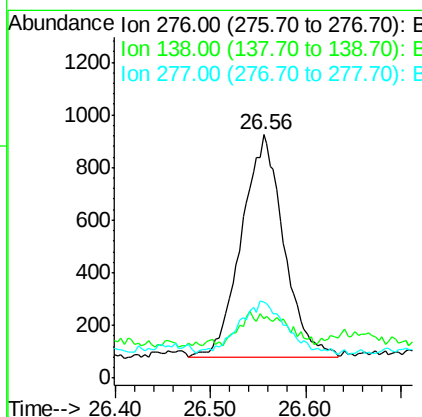
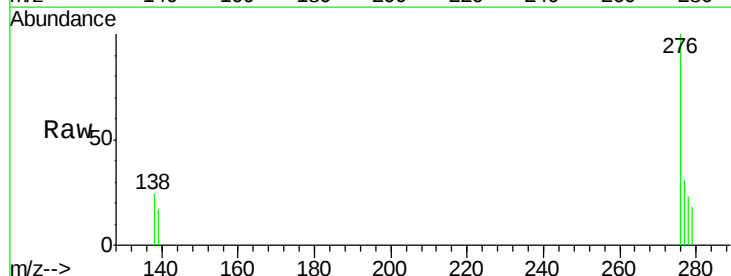
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B128-031319

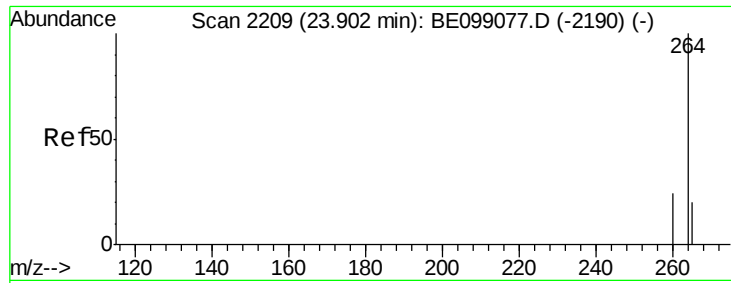
Tgt Ion:149 Resp: 37869
 Ion Ratio Lower Upper
 149 100
 167 7.0 5.4 8.0
 279 1.0 1.0 1.4#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.021 ng
 RT: 26.56 min Scan# 2948
 Delta R.T. -0.01 min
 Lab File: BE099094.D
 Acq: 22 Mar 2019 23:55

Tgt Ion:276 Resp: 2629
 Ion Ratio Lower Upper
 276 100
 138 5.9 13.8 20.8#
 277 24.6 19.5 29.3

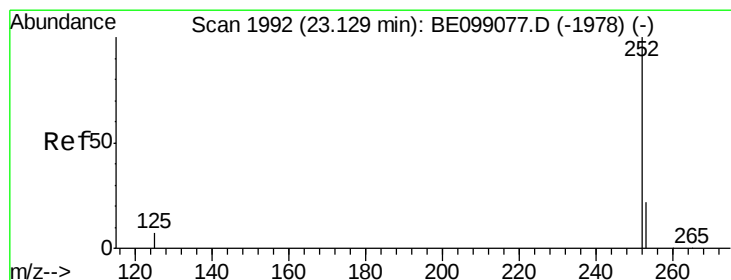
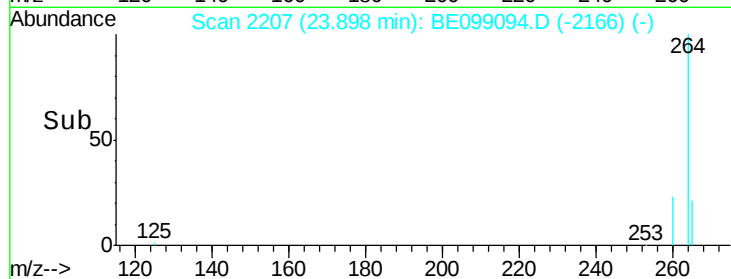
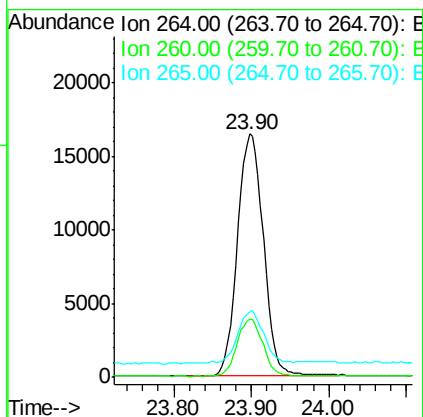
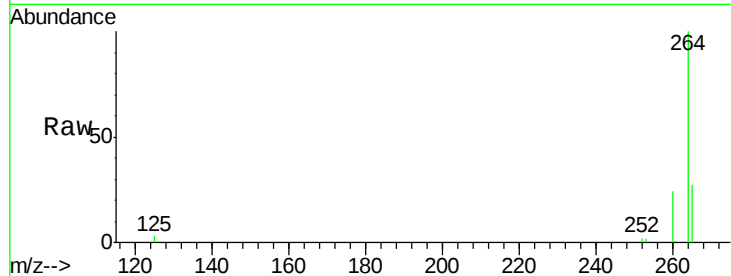




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE099094.D
 Acq: 22 Mar 2019 23:55

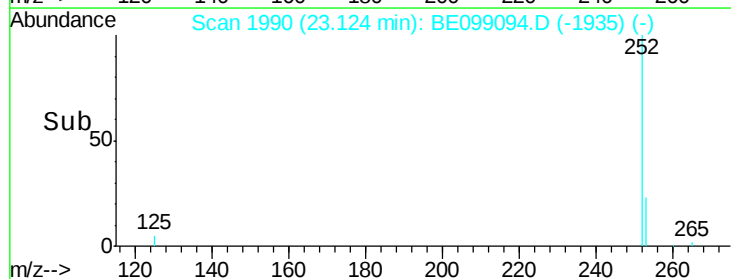
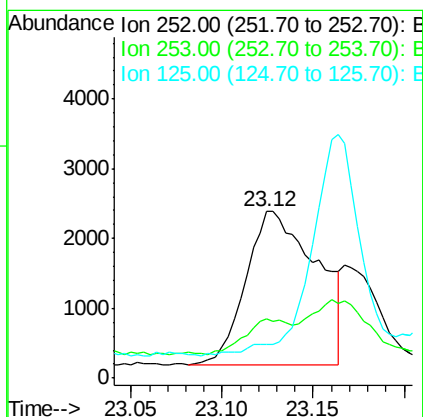
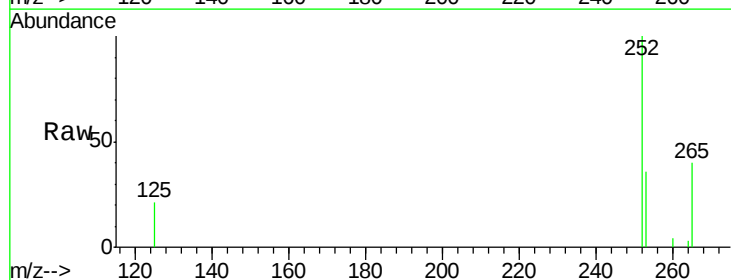
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B128-031319

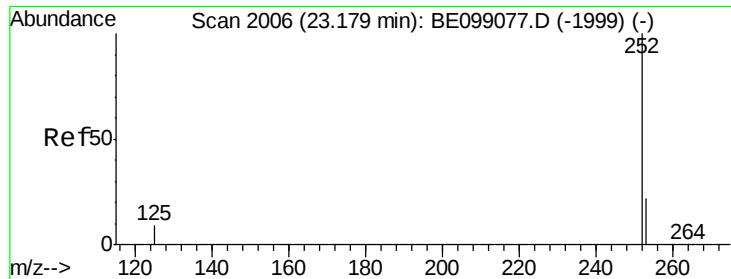
Tgt Ion: 264 Resp: 38430
 Ion Ratio Lower Upper
 264 100
 260 23.6 21.2 31.8
 265 27.0 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.045 ng
 RT: 23.12 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: BE099094.D
 Acq: 22 Mar 2019 23:55

Tgt Ion: 252 Resp: 6019
 Ion Ratio Lower Upper
 252 100
 253 35.7 18.2 27.2#
 125 20.5 7.3 10.9#





#36

Benzo(k)fluoranthene

Concen: 0.046 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.05 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

Instrument :

BNA_E

ClientSampleId :

PST-025-B128-031319

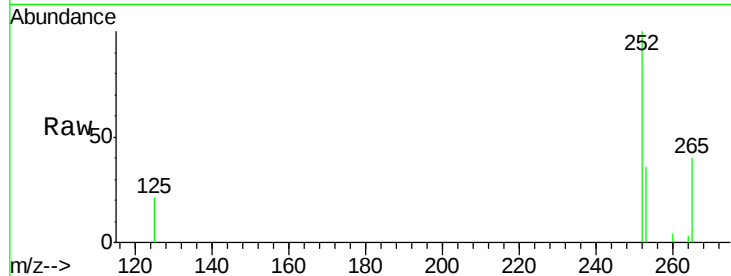
Tgt Ion: 252 Resp: 6019

Ion Ratio Lower Upper

252 100

253 35.7 19.3 28.9#

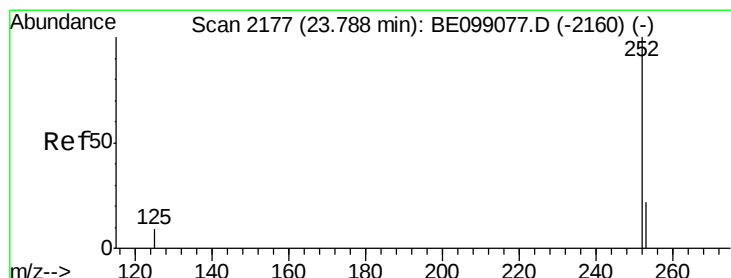
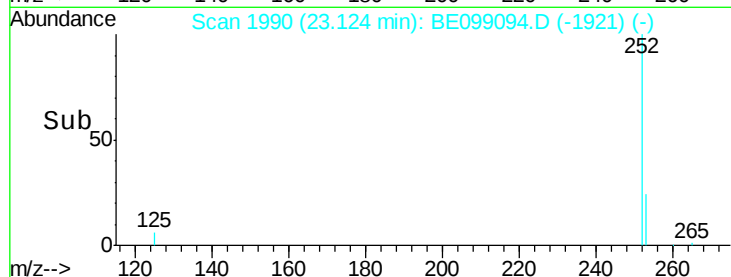
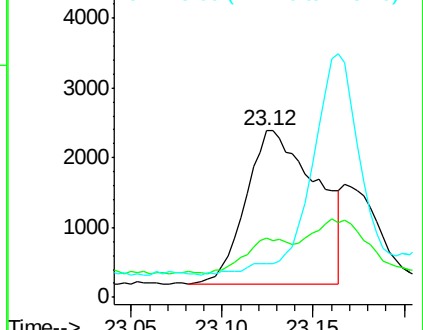
125 20.5 7.5 11.3#



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: 0.031 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BE099094.D

Acq: 22 Mar 2019 23:55

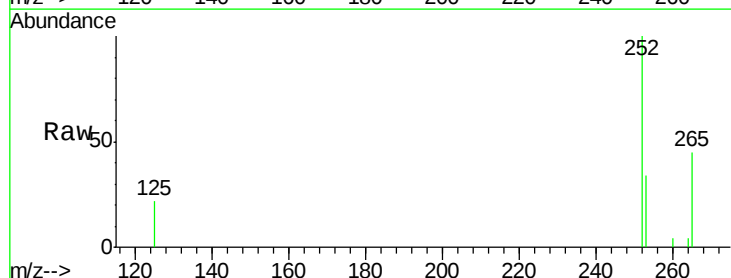
Tgt Ion: 252 Resp: 3765

Ion Ratio Lower Upper

252 100

253 33.8 19.9 29.9#

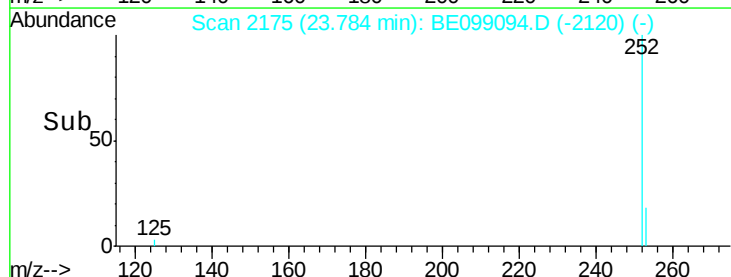
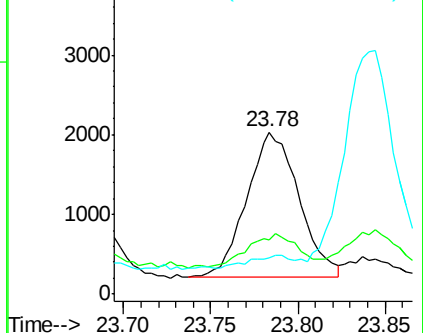
125 22.3 9.0 13.4#

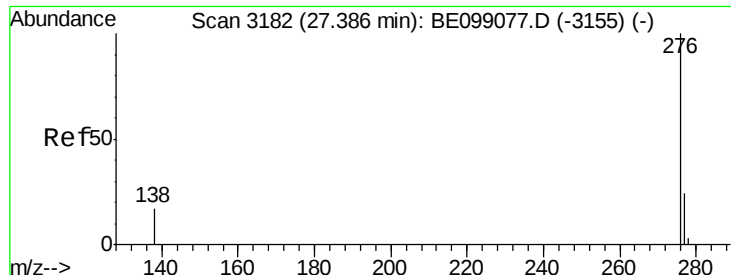


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.024 ng

RT: 27.38 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BE099094.D

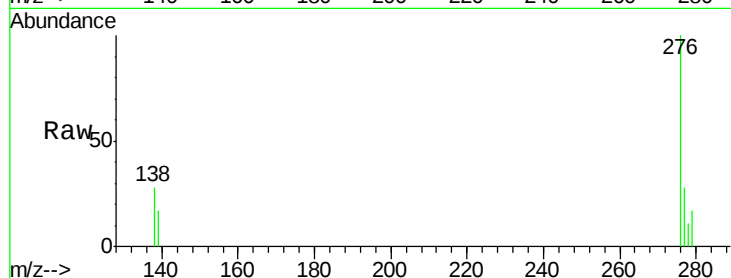
Acq: 22 Mar 2019 23:55

Instrument :

BNA_E

ClientSampleId :

PST-025-B128-031319



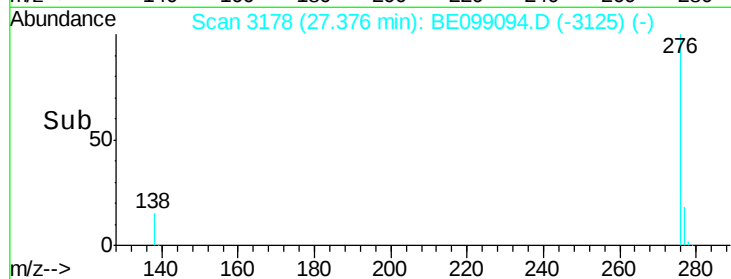
Tgt Ion: 276 Resp: 2939

Ion Ratio Lower Upper

276 100

277 28.1 20.4 30.6

138 27.9 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

