

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099095.D
 Acq On : 23 Mar 2019 00:34
 Operator : JU/SJ
 Sample : K1947-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B032-031319

Quant Time: Mar 23 01:46:57 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	3085	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	12237	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	7942	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	21140	0.40	ng	0.00
27) Chrysene-d12	21.39	240	30972	0.40	ng	0.00
34) Perylene-d12	23.90	264	35814	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	4430	0.48	ng	0.00
5) Phenol-d6	6.99	99	6172	0.47	ng	0.00
8) Nitrobenzene-d5	9.15	82	122	0.02	ng	0.15
11) 2-Methylnaphthalene-d10	12.22	152	8807	0.40	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	1386	0.59	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	13126	0.42	ng	0.00
25) Fluoranthene-d10	19.24	212	114236	0.41	ng	0.00
29) Terphenyl-d14	19.84	244	22163	0.34	ng	0.00

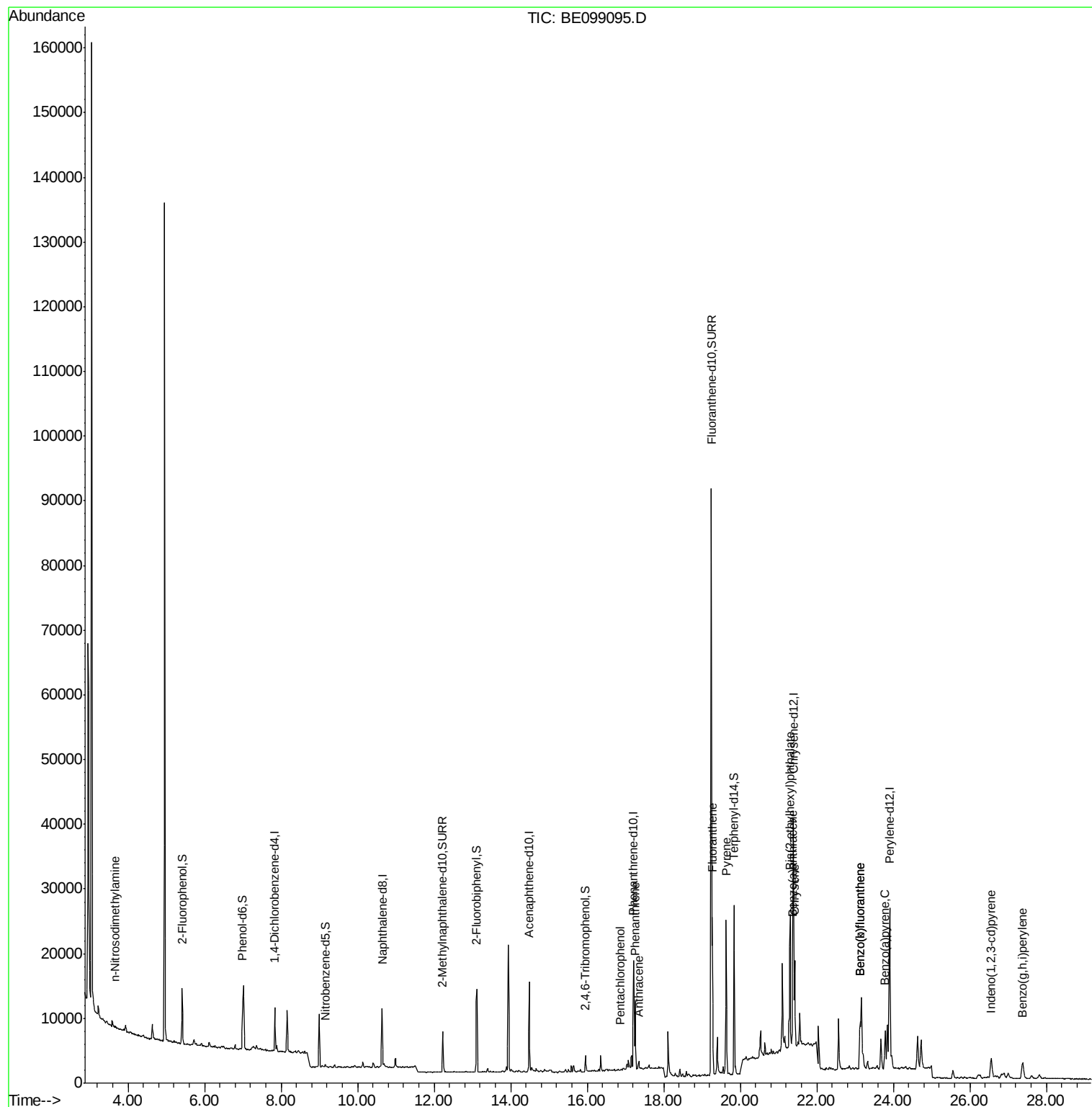
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.67	42	71	0.029	ng	# 1
22) Pentachlorophenol	16.87	266	79	0.269	ng	93
23) Phenanthrene	17.25	178	10094	0.161	ng	99
24) Anthracene	17.35	178	1383	0.023	ng	98
26) Fluoranthene	19.27	202	20881	0.236	ng	# 97
28) Pyrene	19.63	202	21854	0.208	ng	# 94
30) Benzo(a)anthracene	21.37	228	12360	0.113	ng	97
31) Chrysene	21.43	228	12311	0.113	ng	95
32) Bis(2-ethylhexyl)phthalate	21.31	149	31962	0.226	ng	98
33) Indeno(1,2,3-cd)pyrene	26.56	276	6174	0.053	ng	99
35) Benzo(b)fluoranthene	23.13	252	14958	0.121	ng	# 87
36) Benzo(k)fluoranthene	23.13	252	14958	0.123	ng	# 89
37) Benzo(a)pyrene	23.79	252	10101	0.088	ng	# 90
39) Benzo(g,h,i)perylene	27.38	276	6565	0.057	ng	# 93

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

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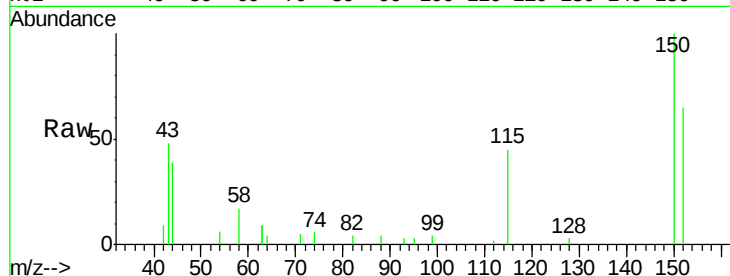


#1

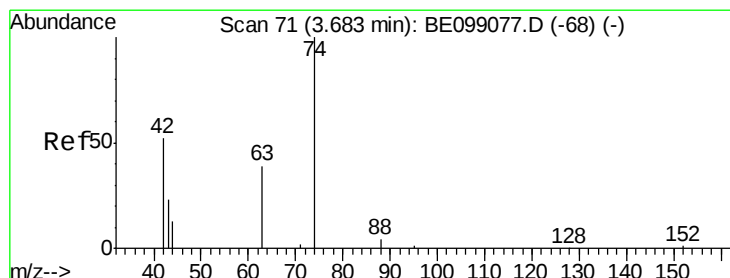
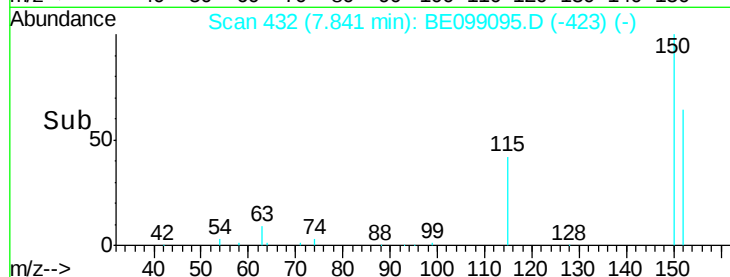
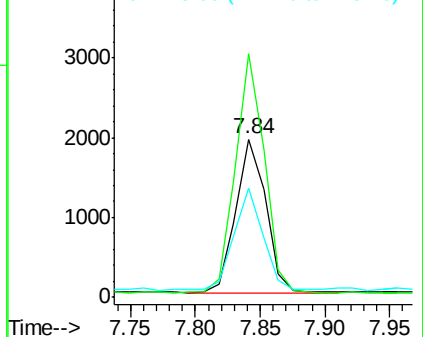
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099095.D
Acq: 23 Mar 2019 00:34

Instrument :
BNA_E
ClientSampleId :
PST-025-B032-031319

Tgt Ion:152 Resp: 3085
Ion Ratio Lower Upper
152 100
150 154.1 122.5 183.7
115 69.2 57.4 86.2



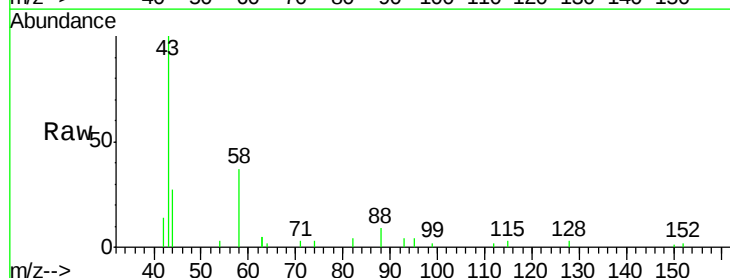
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



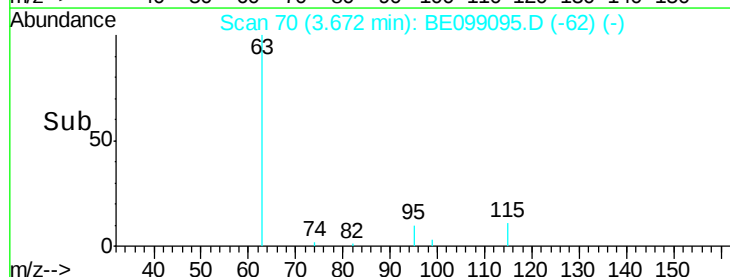
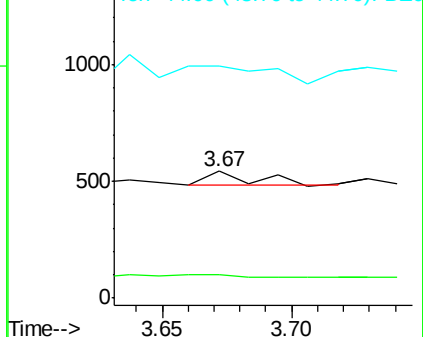
#3

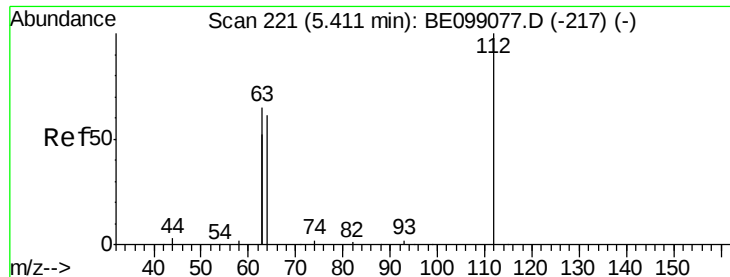
n-Nitrosodimethylamine
Concen: 0.029 ng
RT: 3.67 min Scan# 70
Delta R.T. -0.01 min
Lab File: BE099095.D
Acq: 23 Mar 2019 00:34

Tgt Ion: 42 Resp: 71
Ion Ratio Lower Upper
42 100
74 0.0 160.0 240.0#
44 0.0 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: 0.482 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

Instrument :

BNA_E

ClientSampleId :

PST-025-B032-031319

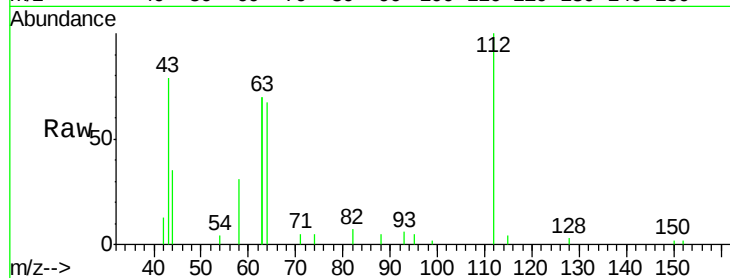
Tgt Ion: 112 Resp: 4430

Ion Ratio Lower Upper

112 100

64 59.0 57.9 86.9

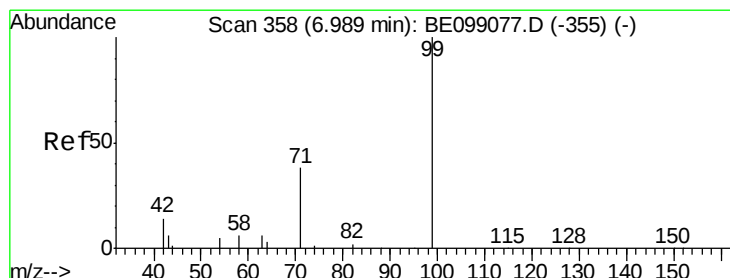
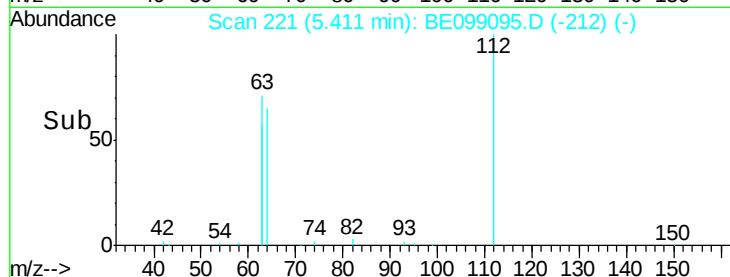
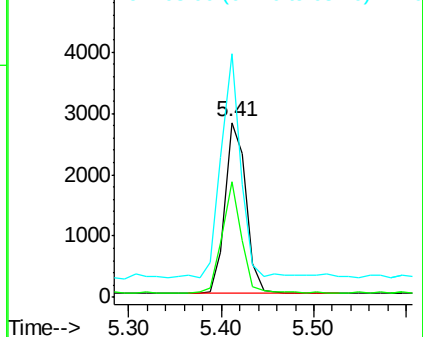
63 121.1 158.3 237.5#



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: 0.467 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

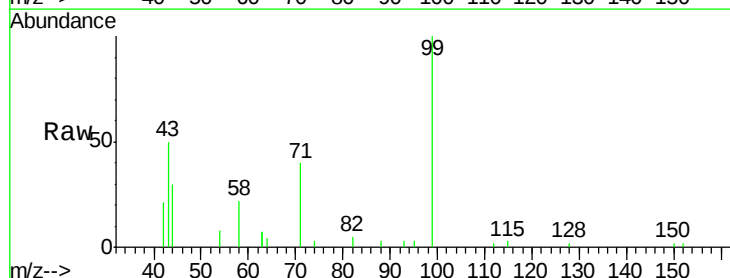
Tgt Ion: 99 Resp: 6172

Ion Ratio Lower Upper

99 100

42 20.2 24.2 36.2#

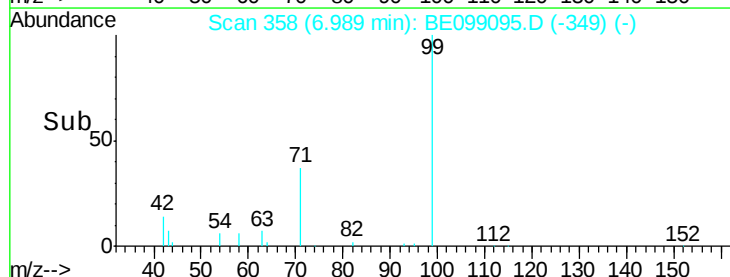
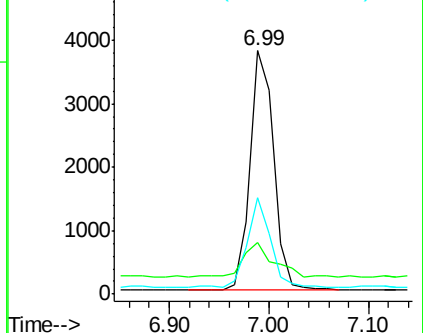
71 37.1 35.7 53.5

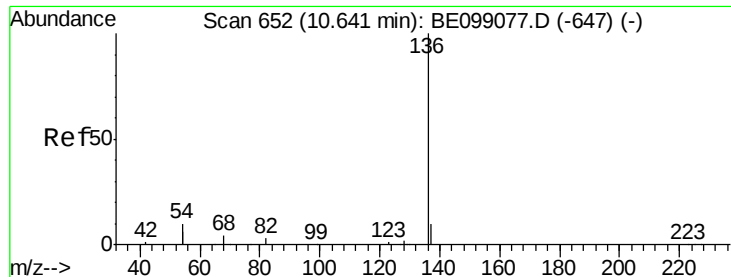


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE099095.D

Acq: 23 Mar 2019 00:34

Instrument :

BNA_E

ClientSampleId :

PST-025-B032-031319

Tgt Ion: 136 Resp: 12237

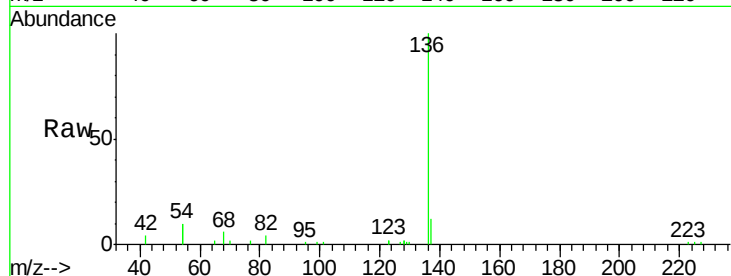
Ion Ratio Lower Upper

136 100

137 12.1 11.4 17.0

54 20.1 39.3 58.9#

68 5.8 6.7 10.1#

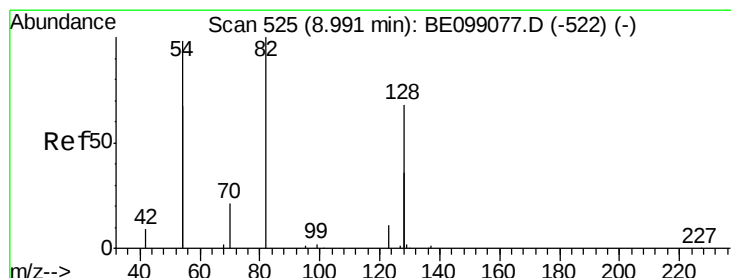
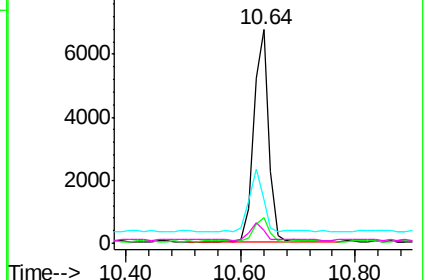
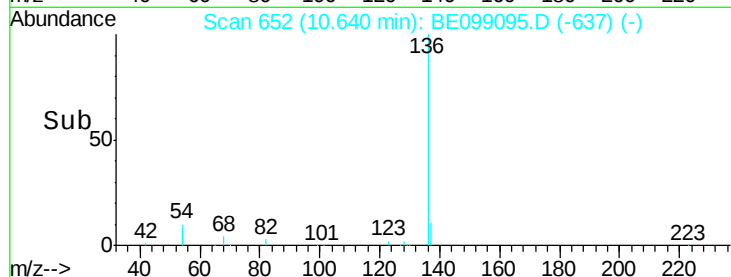


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.023 ng

RT: 9.15 min Scan# 537

Delta R.T. 0.15 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

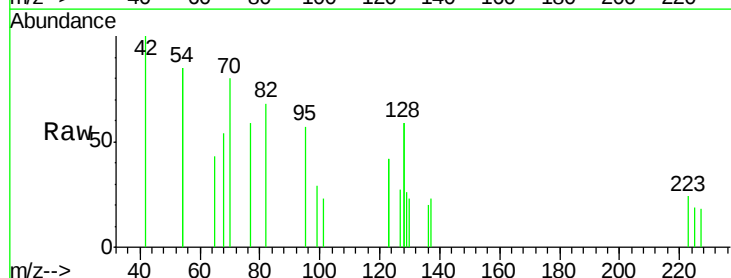
Tgt Ion: 82 Resp: 122

Ion Ratio Lower Upper

82 100

128 173.9 123.8 185.8

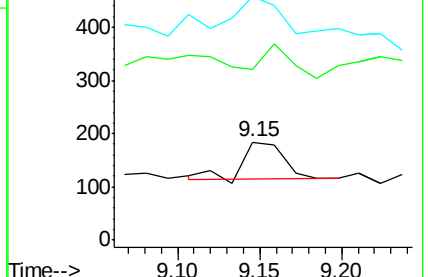
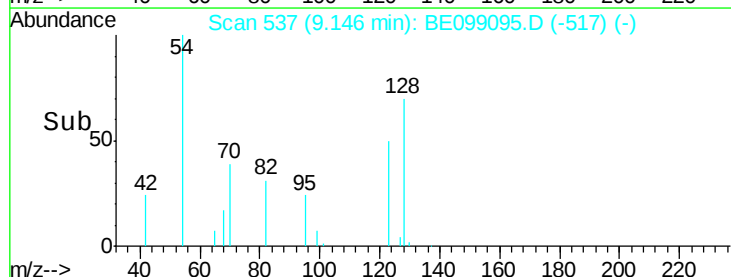
54 248.9 203.4 305.2

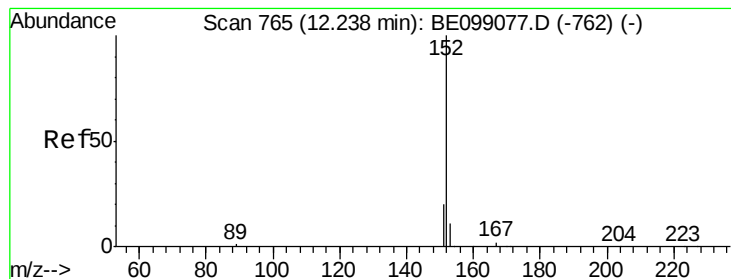


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.400 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.02 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

Instrument :

BNA_E

ClientSampleId :

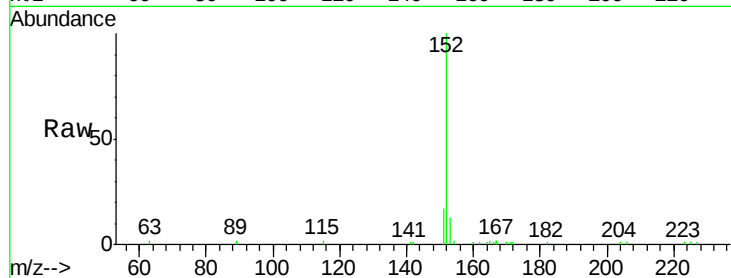
PST-025-B032-031319

Tgt Ion:152 Resp: 8807

Ion Ratio Lower Upper

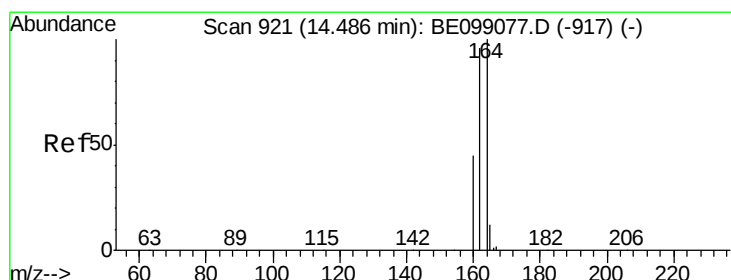
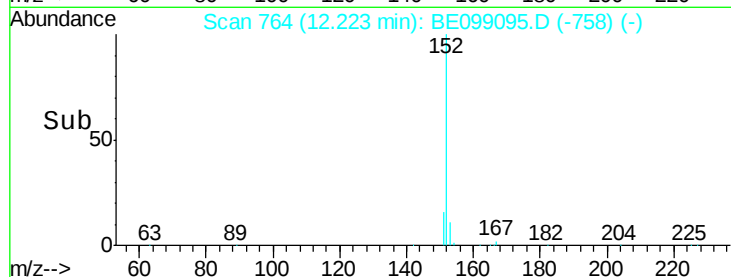
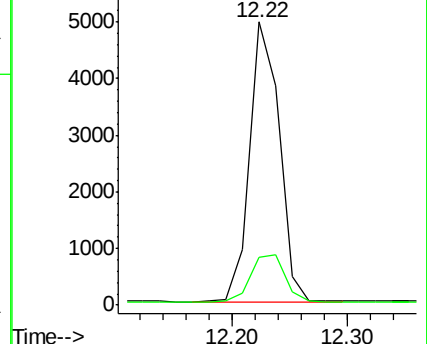
152 100

151 19.5 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: BE099095.D

Acq: 23 Mar 2019 00:34

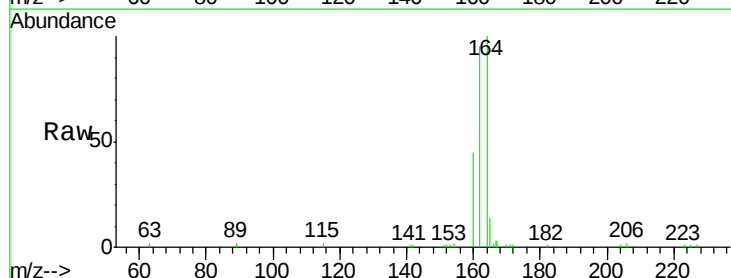
Tgt Ion:164 Resp: 7942

Ion Ratio Lower Upper

164 100

162 95.0 80.2 120.2

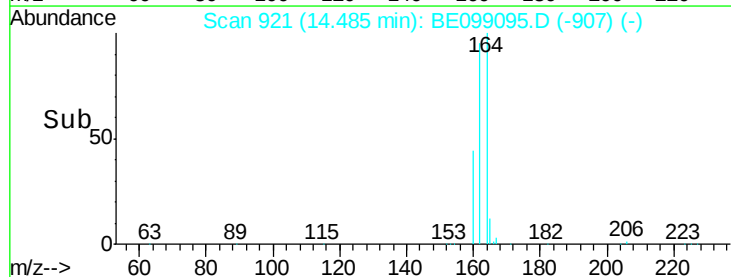
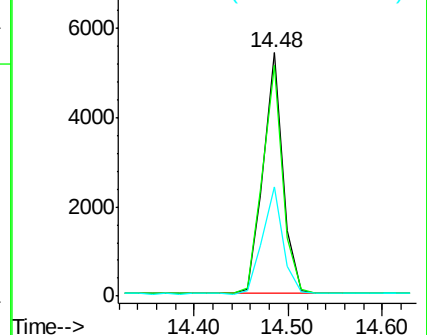
160 44.7 37.8 56.8

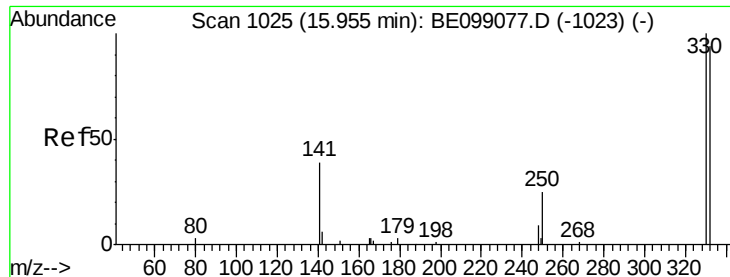


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

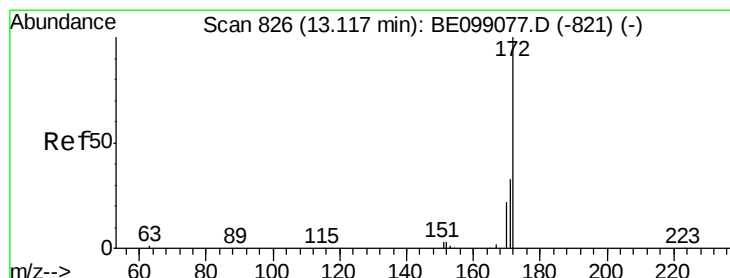
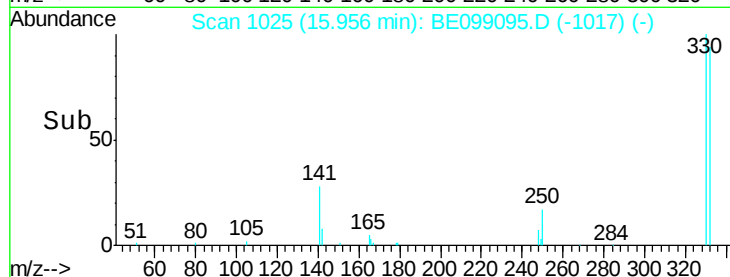
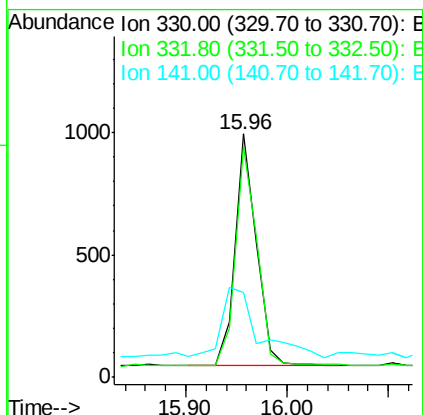
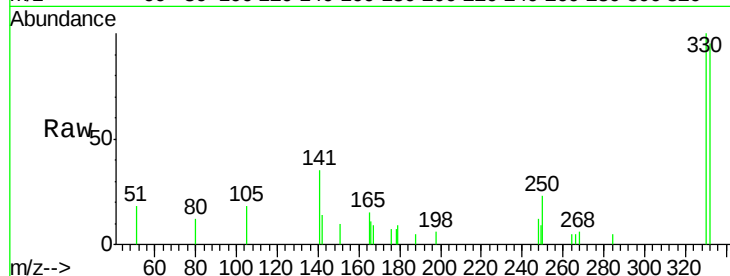




#14
 2,4,6-Tribromophenol
 Concen: 0.594 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099095.D
 Acq: 23 Mar 2019 00:34

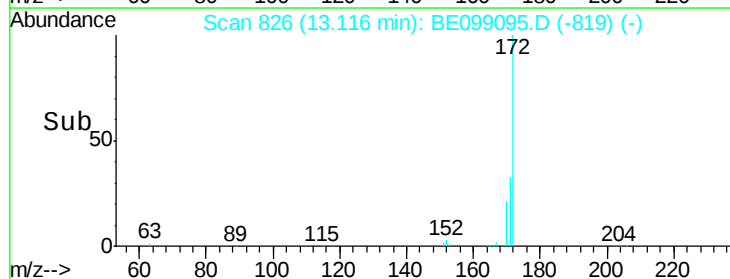
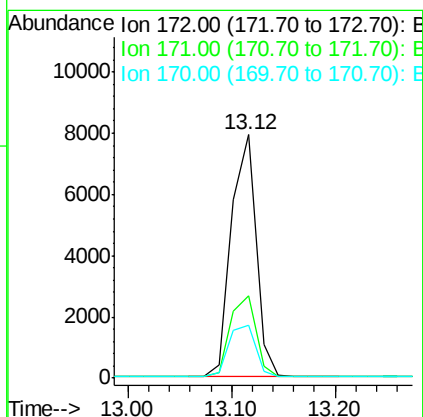
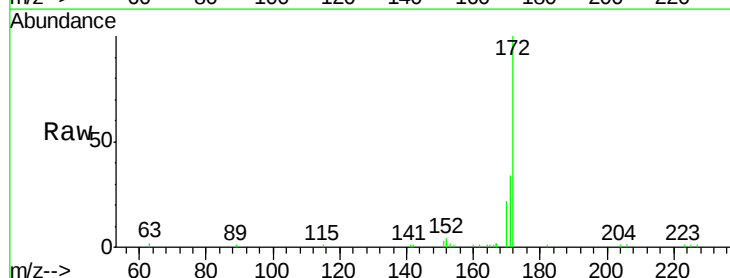
Instrument :
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 PST-025-B032-031319

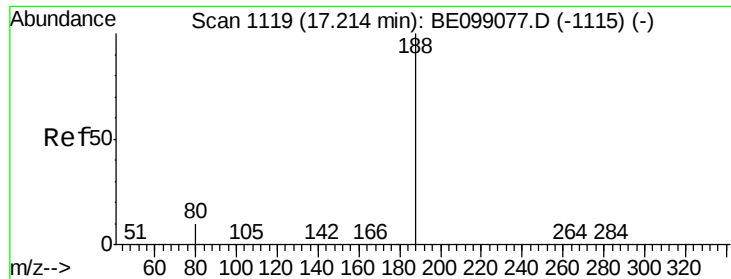
Tgt Ion: 330 Resp: 1386
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.6 116.4
 141 53.0 31.0 46.4#



#15
 2-Fluorobiphenyl
 Concen: 0.416 ng
 RT: 13.12 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BE099095.D
 Acq: 23 Mar 2019 00:34

Tgt Ion: 172 Resp: 13126
 Ion Ratio Lower Upper
 172 100
 171 33.9 28.0 42.0
 170 21.6 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: BE099095.D

Acq: 23 Mar 2019 00:34

Instrument :

BNA_E

ClientSampleId :

PST-025-B032-031319

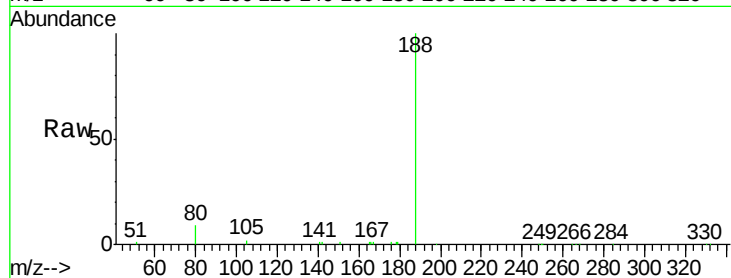
Tgt Ion:188 Resp: 21140

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

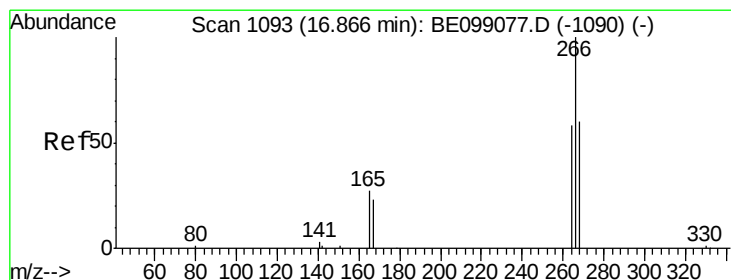
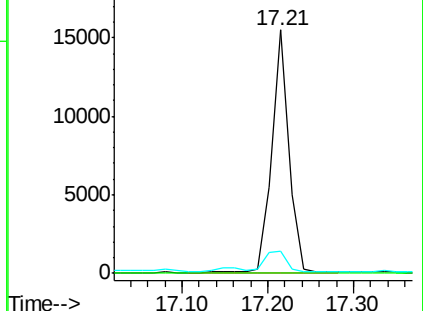
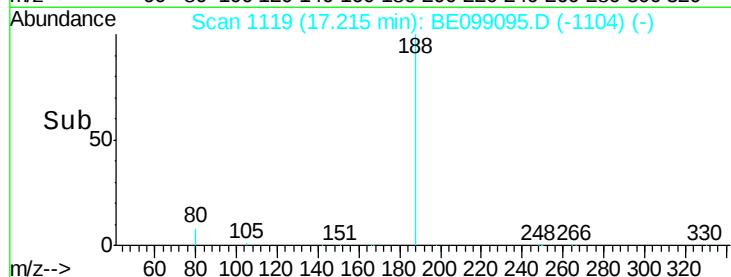
80 8.9 6.3 9.5



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: 0.269 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

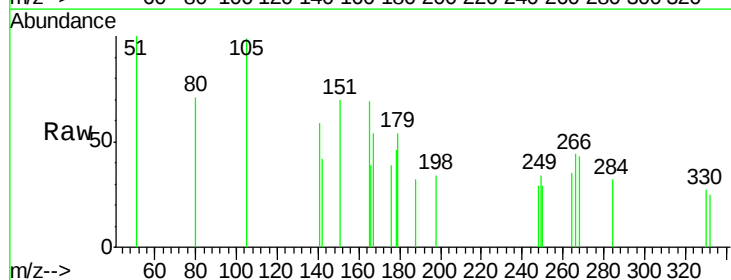
Tgt Ion:266 Resp: 79

Ion Ratio Lower Upper

266 100

264 80.2 66.6 100.0

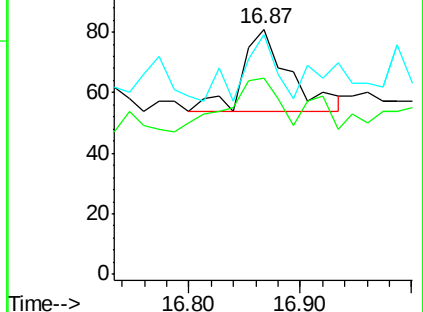
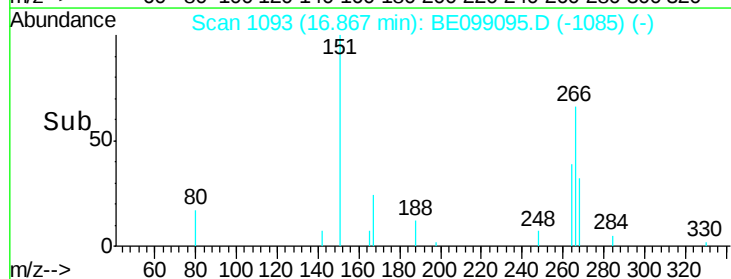
268 97.5 69.8 104.8

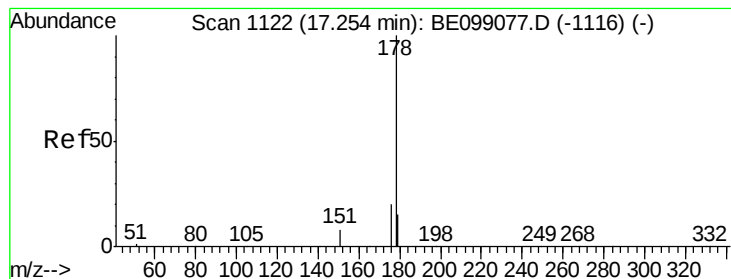


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.161 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

Instrument :

BNA_E

ClientSampleId :

PST-025-B032-031319

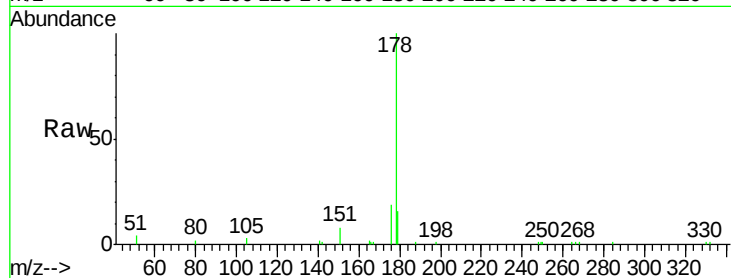
Tgt Ion:178 Resp: 10094

Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

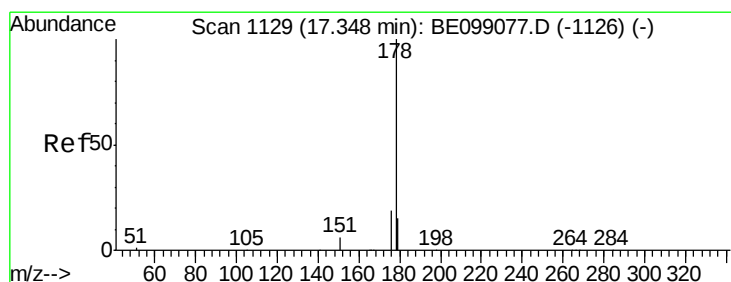
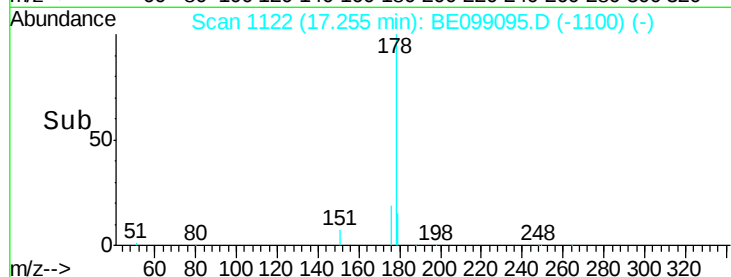
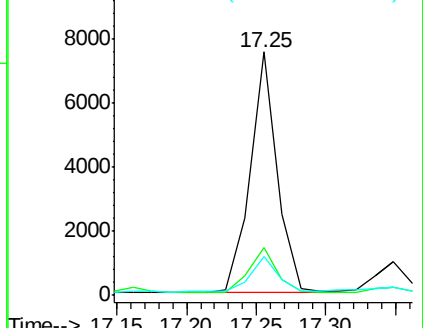
179 15.0 12.1 18.1



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



#24

Anthracene

Concen: 0.023 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

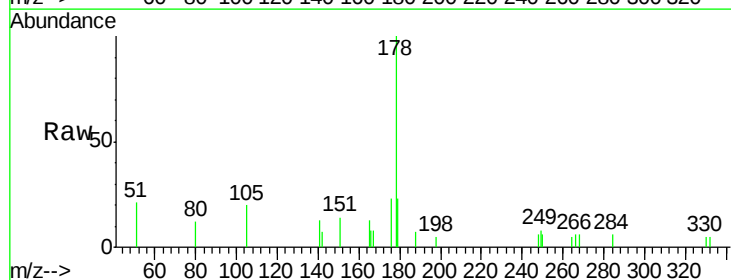
Tgt Ion:178 Resp: 1383

Ion Ratio Lower Upper

178 100

176 20.5 15.4 23.0

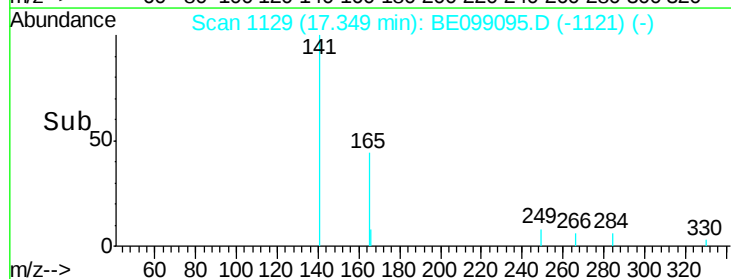
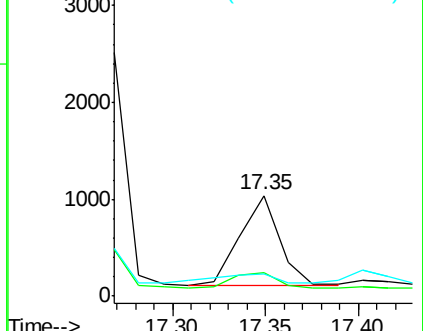
179 15.8 12.2 18.4

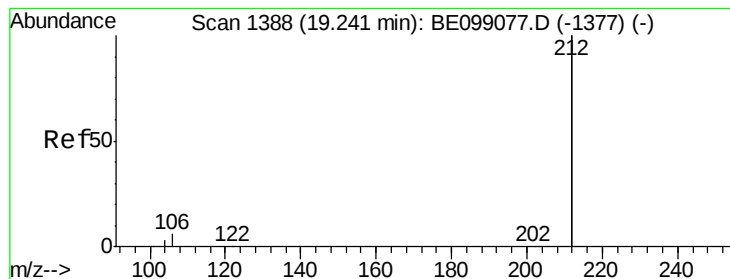


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.405 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

Instrument :

BNA_E

ClientSampleId :

PST-025-B032-031319

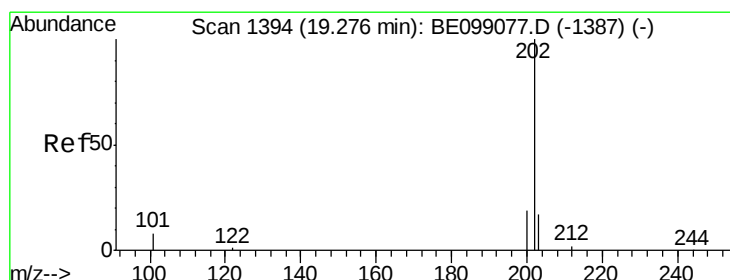
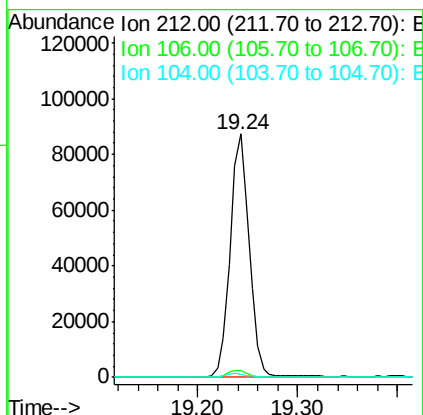
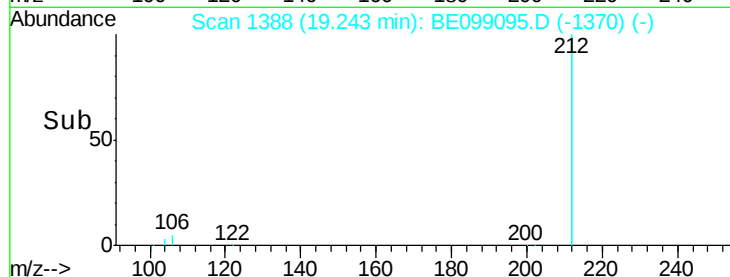
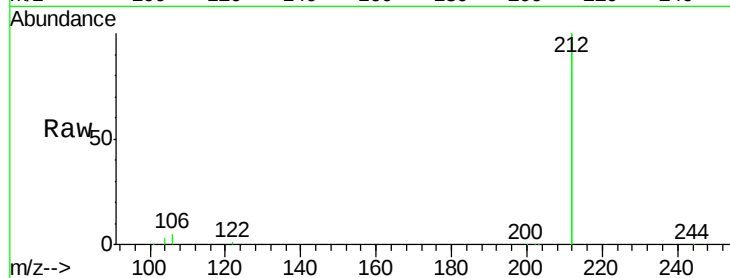
Tgt Ion:212 Resp: 114236

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

104 1.7 1.0 1.6#



#26

Fluoranthene

Concen: 0.236 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

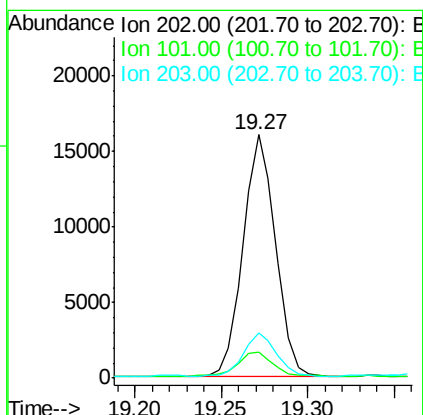
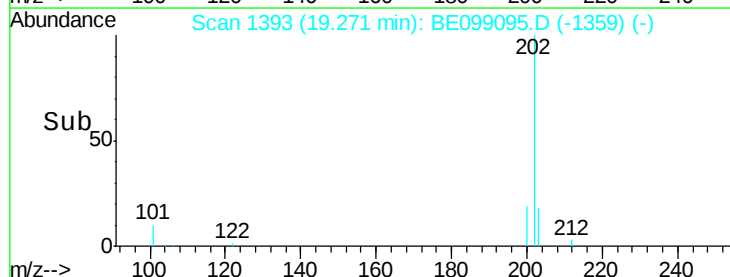
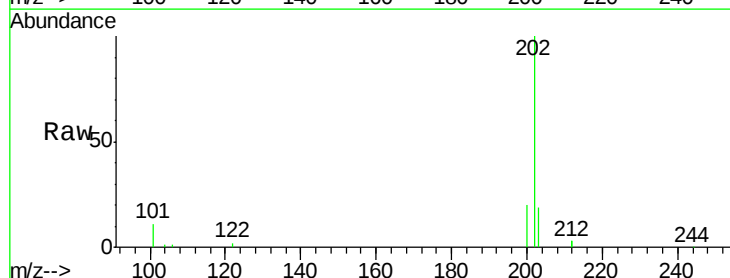
Tgt Ion:202 Resp: 20881

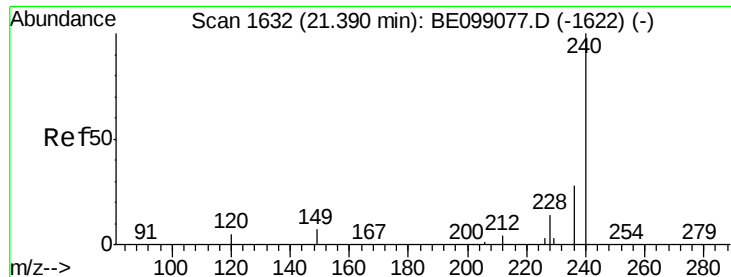
Ion Ratio Lower Upper

202 100

101 11.5 7.3 10.9#

203 17.6 13.4 20.2

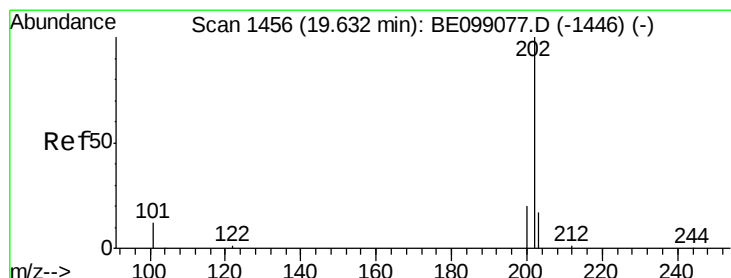
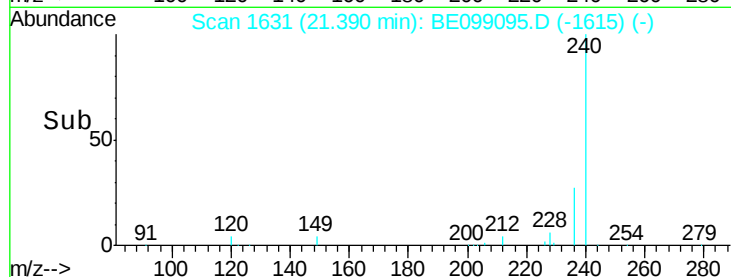
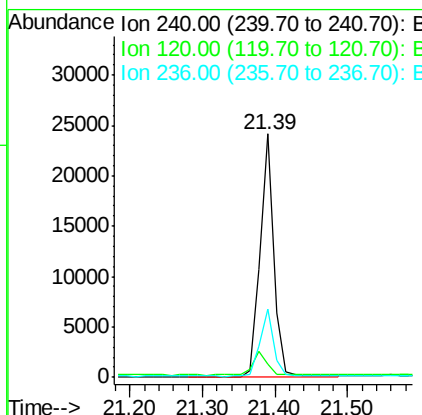
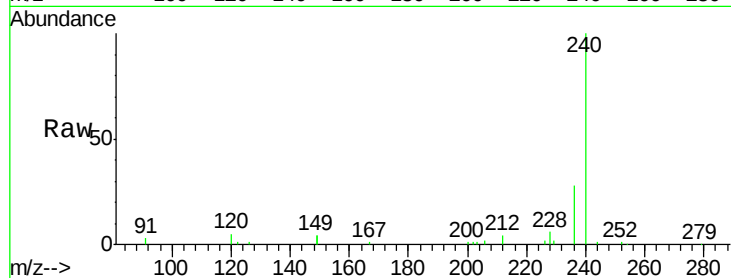




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE099095.D
Acq: 23 Mar 2019 00:34

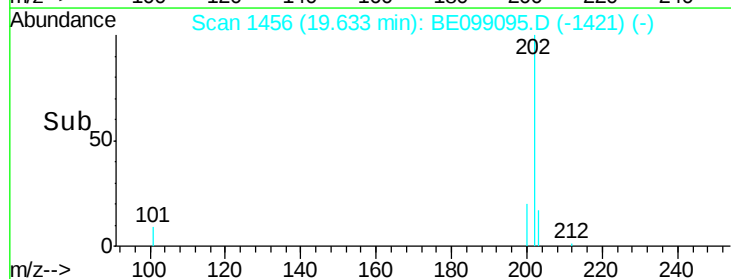
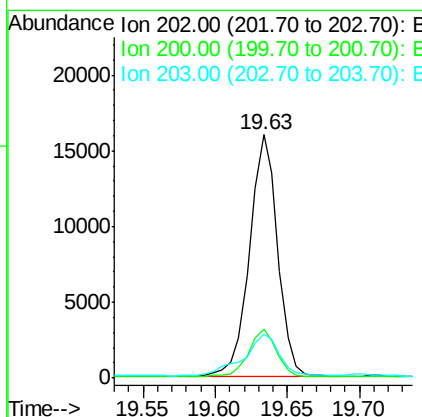
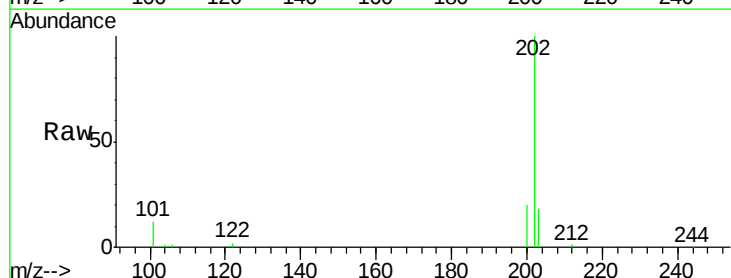
Instrument :
BNA_E
ClientSampleId :
PST-025-B032-031319

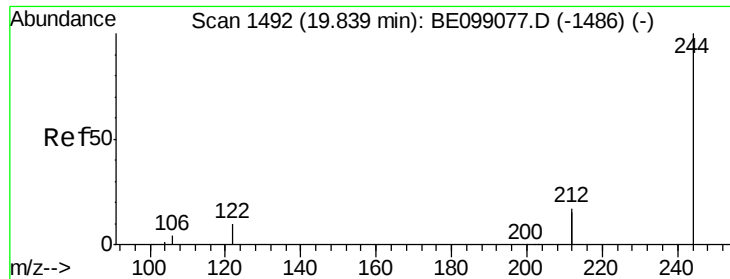
Tgt Ion:240 Resp: 30972
Ion Ratio Lower Upper
240 100
120 5.4 5.0 7.4
236 27.8 22.7 34.1



#28
Pyrene
Concen: 0.208 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099095.D
Acq: 23 Mar 2019 00:34

Tgt Ion:202 Resp: 21854
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.6
203 21.9 14.2 21.2#





#29

Terphenyl-d14

Concen: 0.338 ng

RT: 19.84 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

Instrument :

BNA_E

ClientSampleId :

PST-025-B032-031319

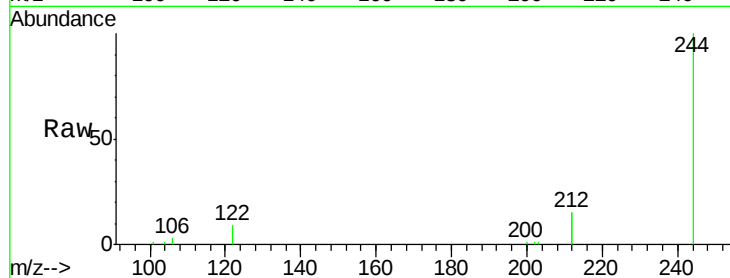
Tgt Ion:244 Resp: 22163

Ion Ratio Lower Upper

244 100

212 30.6 29.4 44.2

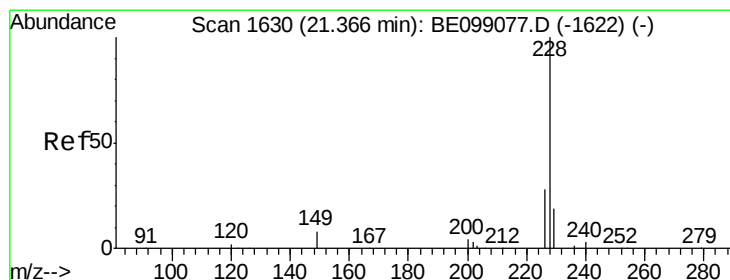
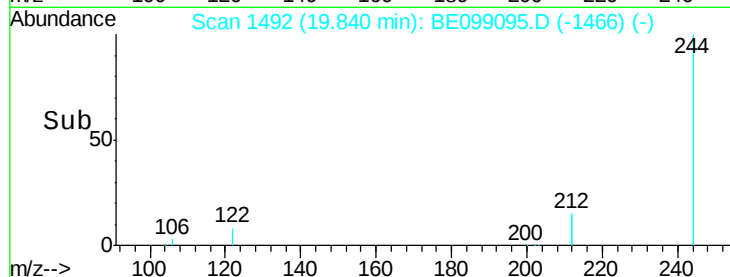
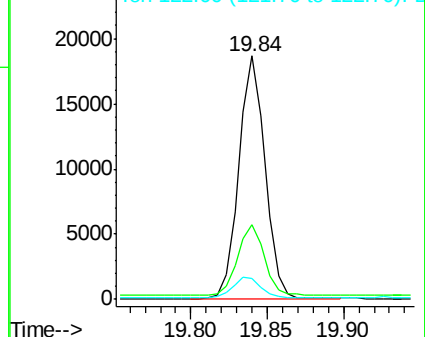
122 8.5 7.1 10.7



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: 0.113 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

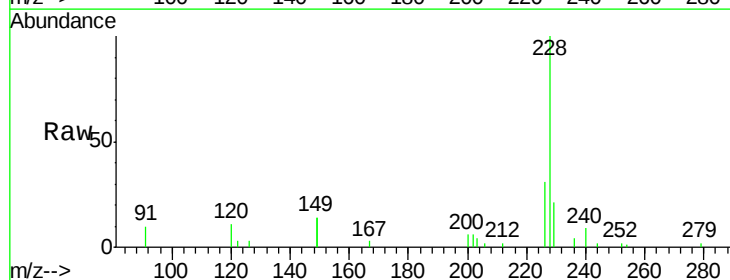
Tgt Ion:228 Resp: 12360

Ion Ratio Lower Upper

228 100

226 30.7 23.0 34.4

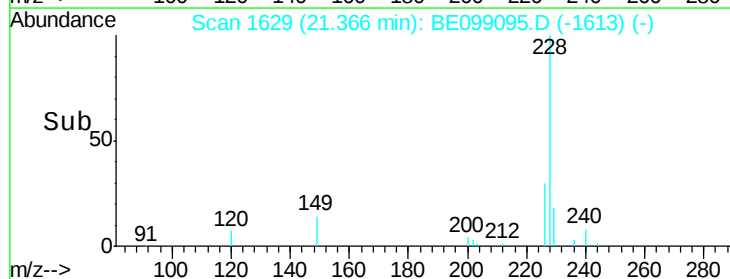
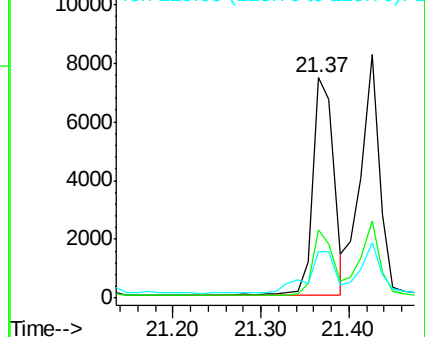
229 21.1 16.5 24.7

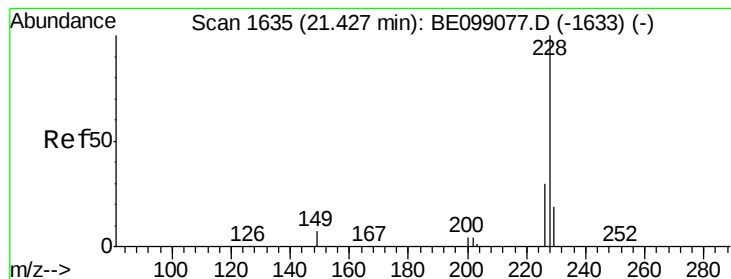


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.113 ng

RT: 21.43 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

Instrument :

BNA_E

ClientSampleId :

PST-025-B032-031319

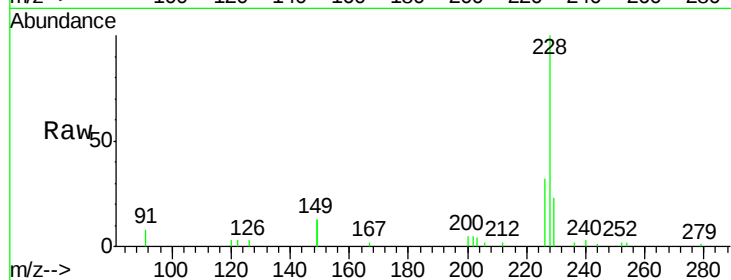
Tgt Ion:228 Resp: 12311

Ion Ratio Lower Upper

228 100

226 31.8 23.7 35.5

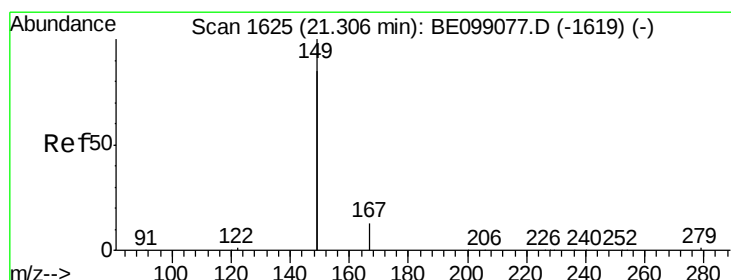
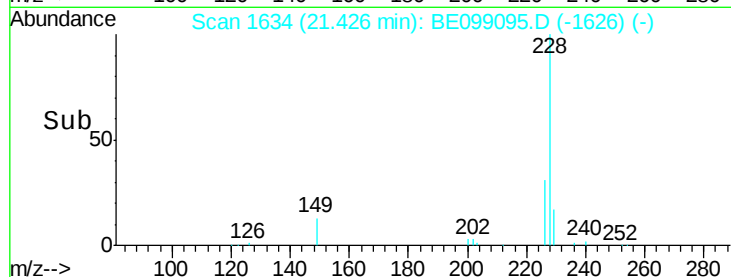
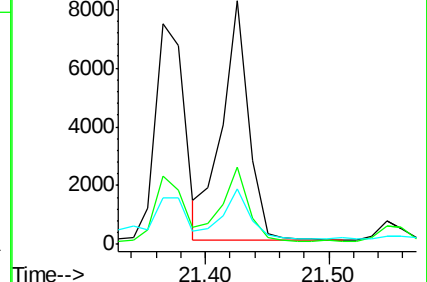
229 22.6 16.1 24.1



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: 0.226 ng

RT: 21.31 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

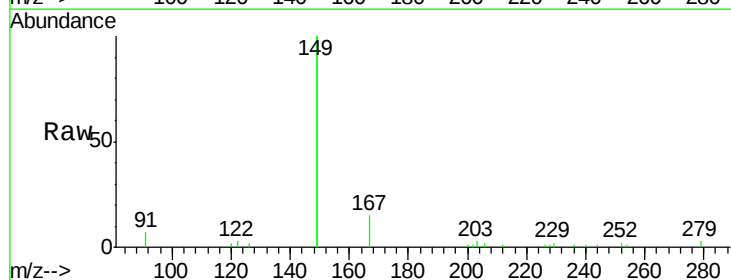
Tgt Ion:149 Resp: 31962

Ion Ratio Lower Upper

149 100

167 7.3 5.4 8.0

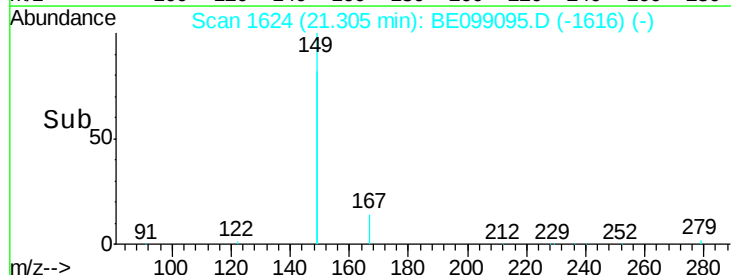
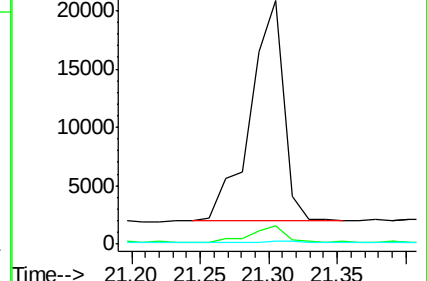
279 1.1 1.0 1.4

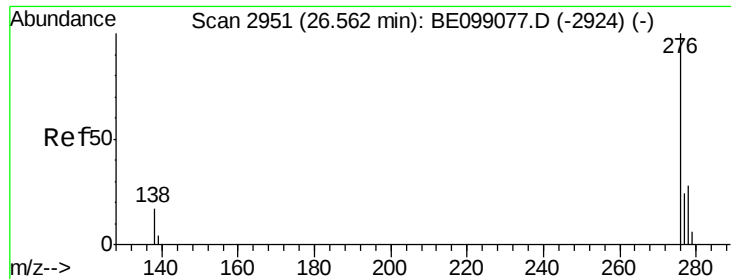


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.053 ng

RT: 26.56 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

Instrument :

BNA_E

ClientSampleId :

PST-025-B032-031319

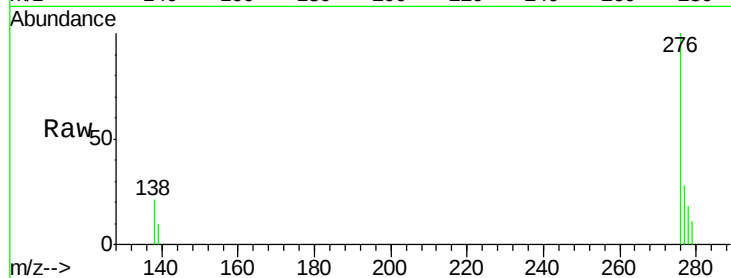
Tgt Ion:276 Resp: 6174

Ion Ratio Lower Upper

276 100

138 17.1 13.8 20.8

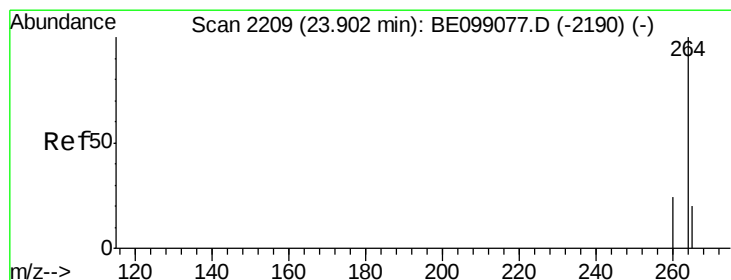
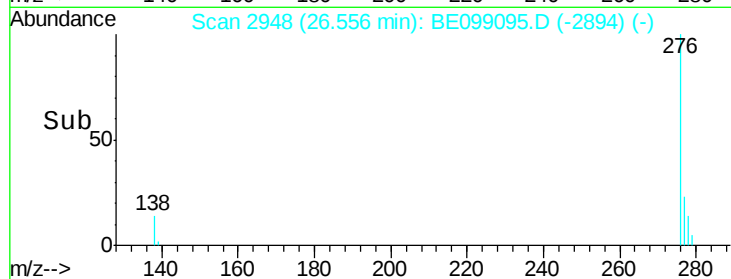
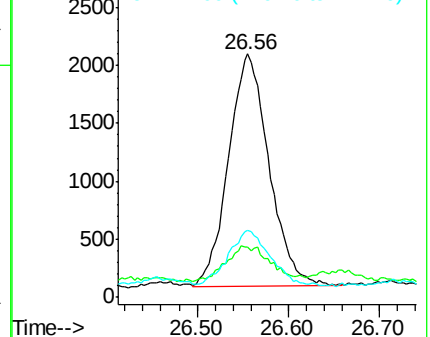
277 23.9 19.5 29.3



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: BE099095.D

Acq: 23 Mar 2019 00:34

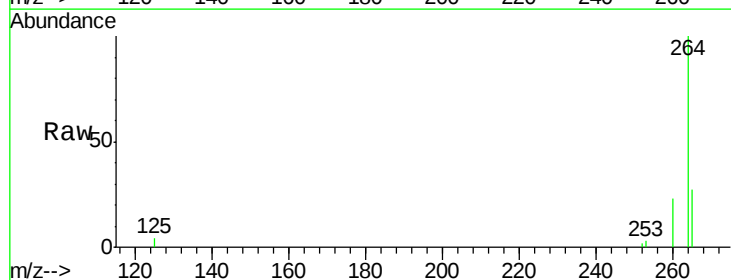
Tgt Ion:264 Resp: 35814

Ion Ratio Lower Upper

264 100

260 23.3 21.2 31.8

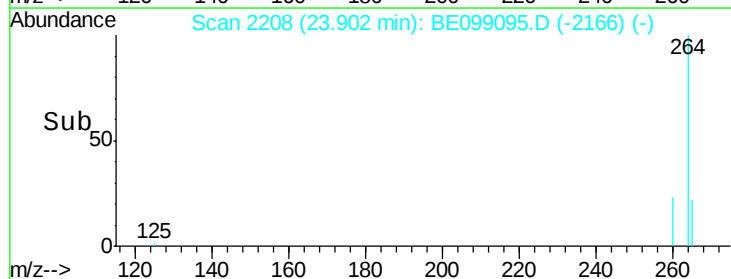
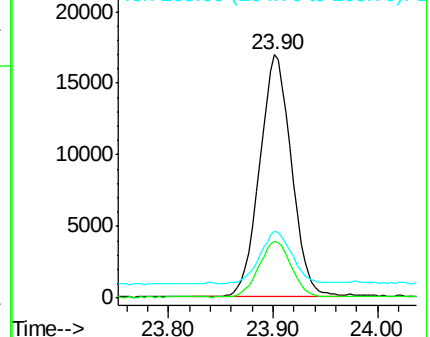
265 27.4 24.6 36.8

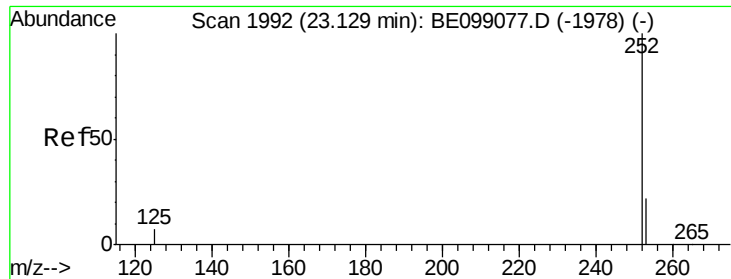


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.121 ng

RT: 23.13 min Scan# 1992

Delta R.T. 0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

Instrument :

BNA_E

ClientSampleId :

PST-025-B032-031319

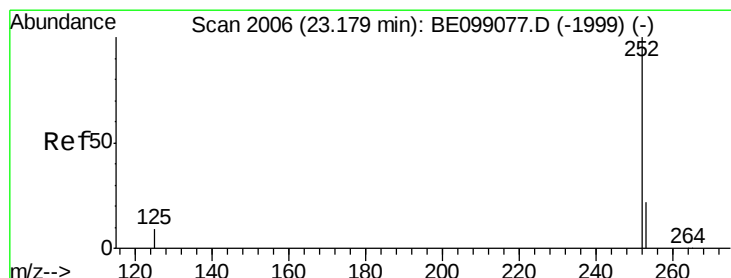
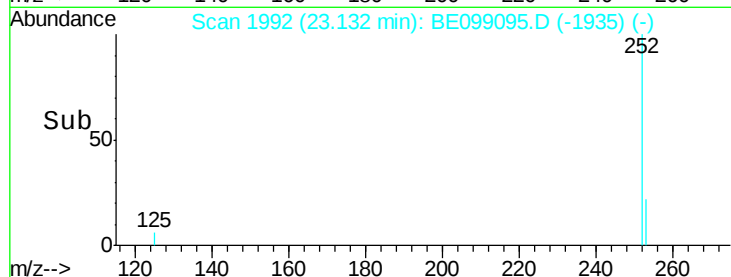
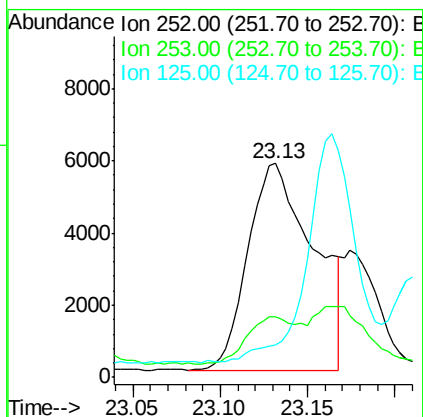
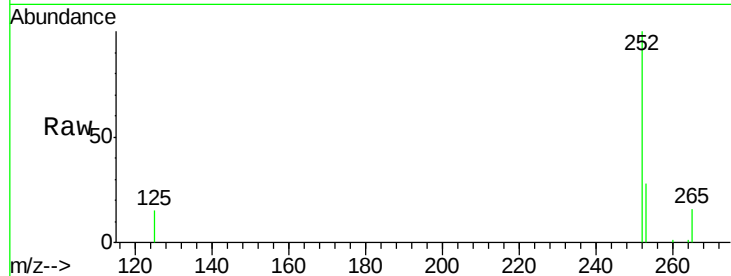
Tgt Ion:252 Resp: 14958

Ion Ratio Lower Upper

252 100

253 28.4 18.2 27.2#

125 15.4 7.3 10.9#



#36

Benzo(k)fluoranthene

Concen: 0.123 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.05 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

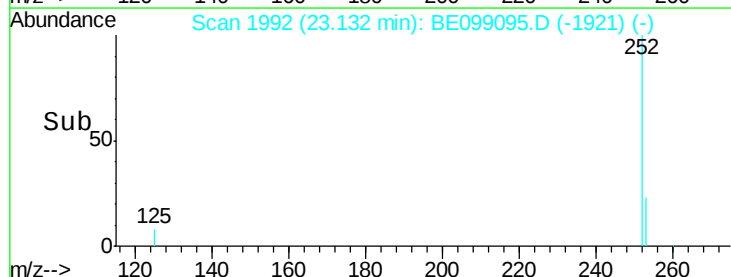
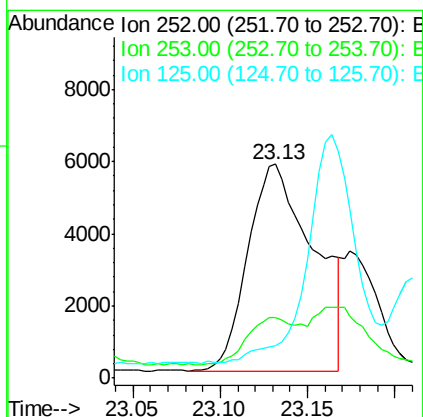
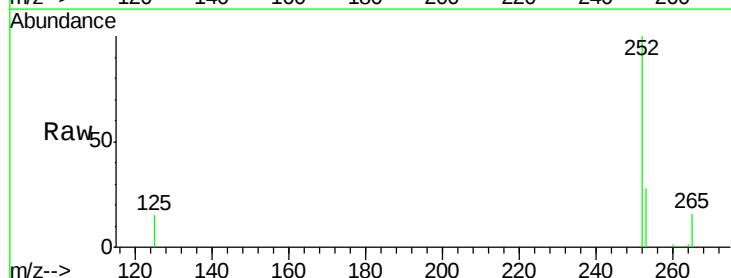
Tgt Ion:252 Resp: 14958

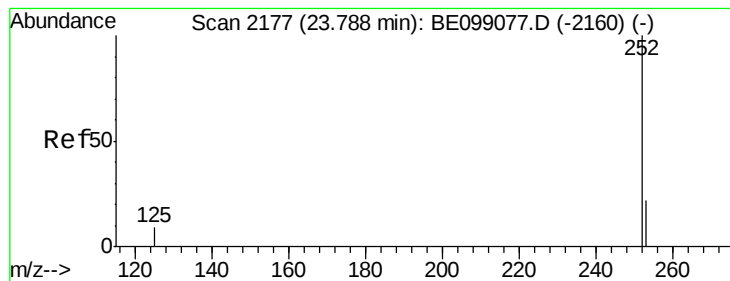
Ion Ratio Lower Upper

252 100

253 28.4 19.3 28.9

125 15.4 7.5 11.3#





#37

Benzo(a)pyrene

Concen: 0.088 ng

RT: 23.79 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

Instrument :

BNA_E

ClientSampleId :

PST-025-B032-031319

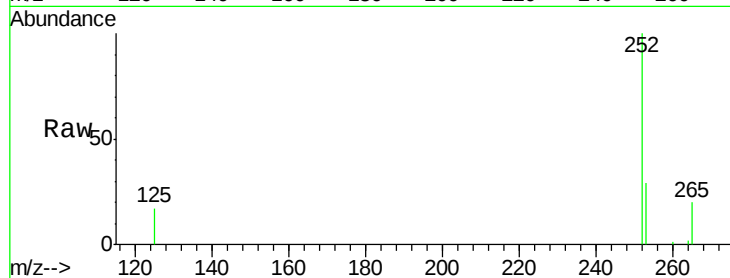
Tgt Ion:252 Resp: 10101

Ion Ratio Lower Upper

252 100

253 29.2 19.9 29.9

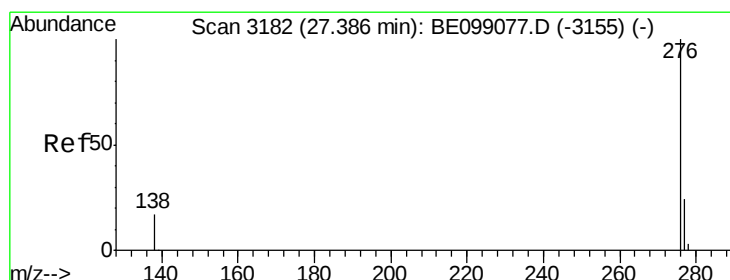
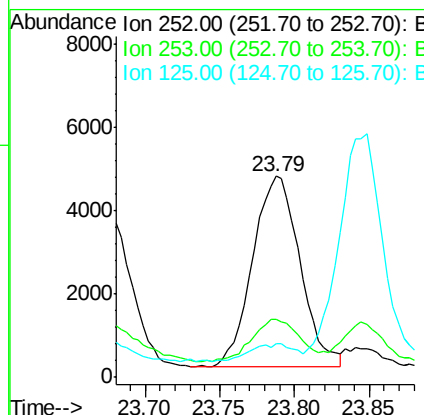
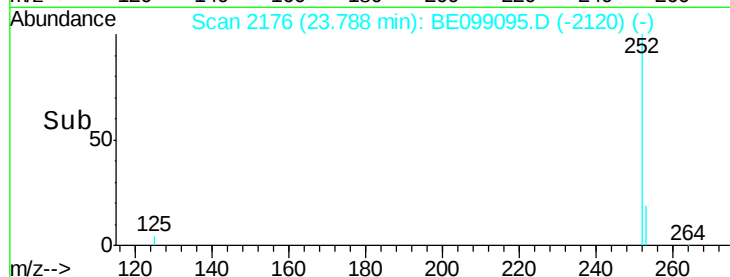
125 16.5 9.0 13.4#



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: 0.057 ng

RT: 27.38 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BE099095.D

Acq: 23 Mar 2019 00:34

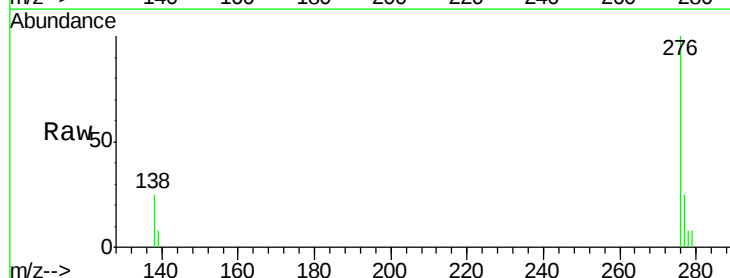
Tgt Ion:276 Resp: 6565

Ion Ratio Lower Upper

276 100

277 25.4 20.4 30.6

138 24.6 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

