

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099126.D
 Acq On : 24 Mar 2019 00:36
 Operator : JU/SJ
 Sample : K2014-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW044-031919

Quant Time: Mar 24 03:42:21 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 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	3236	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13170	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9286	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	28470	0.40	ng	0.00
27) Chrysene-d12	21.38	240	39319	0.40	ng	-0.01
34) Perylene-d12	23.89	264	42286	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	3355	0.35	ng	0.00
5) Phenol-d6	6.99	99	4711	0.34	ng	0.00
8) Nitrobenzene-d5	8.99	82	3345	0.58	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	7241	0.31	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1476	0.54	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	11574	0.31	ng	-0.01
25) Fluoranthene-d10	19.24	212	125650	0.33	ng	0.00
29) Terphenyl-d14	19.83	244	25368	0.30	ng	0.00

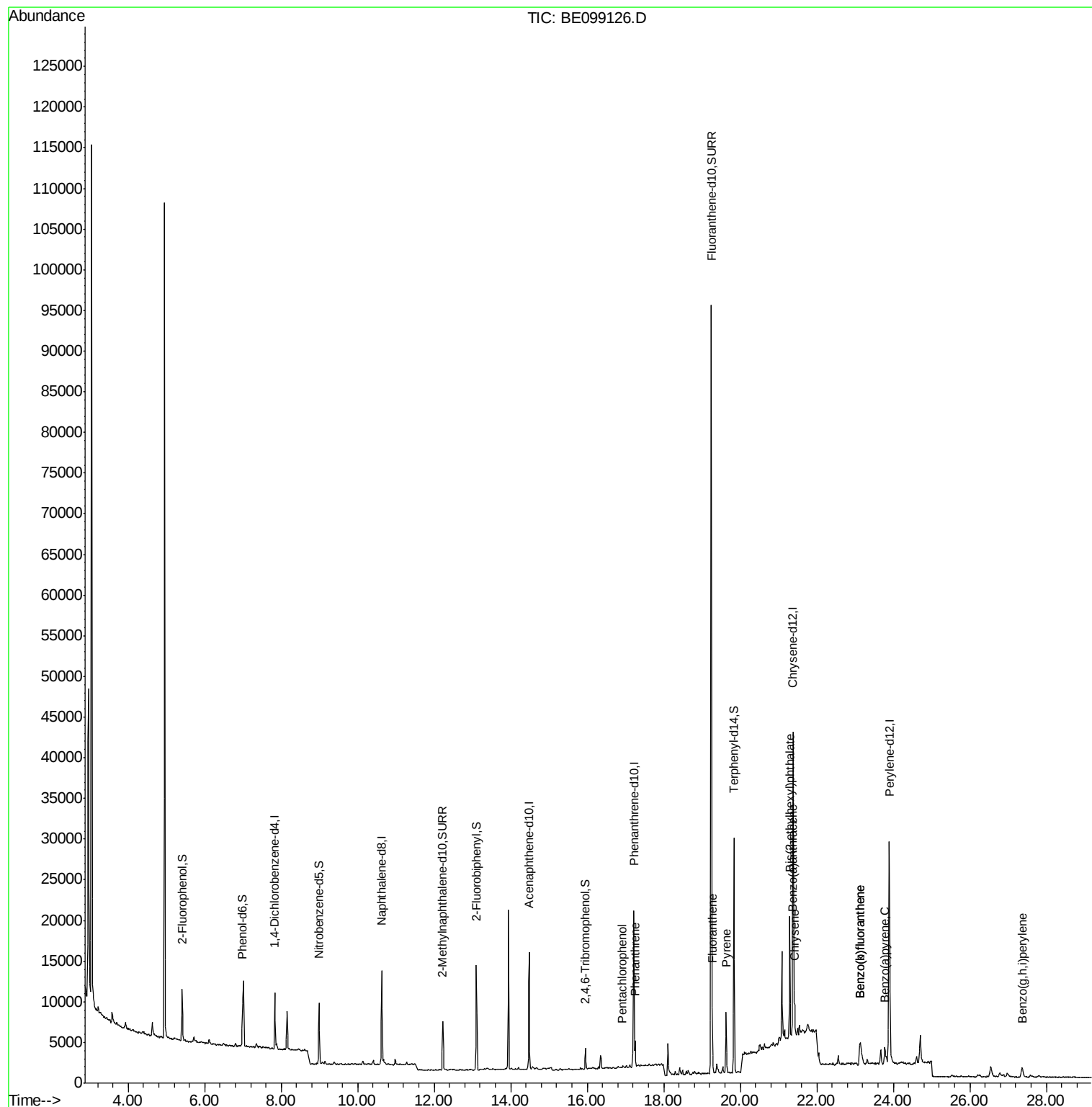
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	16.91	266	74	0.264	ng	98
23) Phenanthrene	17.26	178	3187	0.038	ng	# 92
26) Fluoranthene	19.27	202	6036	0.051	ng	# 96
28) Pyrene	19.63	202	7115	0.053	ng	96
30) Benzo(a)anthracene	21.37	228	3425	0.025	ng	# 90
31) Chrysene	21.43	228	4332	0.031	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.29	149	17191	0.096	ng	99
35) Benzo(b)fluoranthene	23.12	252	4967	0.034	ng	# 61
36) Benzo(k)fluoranthene	23.12	252	4967	0.035	ng	# 64
37) Benzo(a)pyrene	23.78	252	3480	0.026	ng	# 67
39) Benzo(g,h,i)perylene	27.37	276	2802	0.021	ng	# 79

(#) = 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: BE099126.D

Acq: 24 Mar 2019 00:36

Instrument :

BNA_E

ClientSampleId :

PST-026-SW044-031919

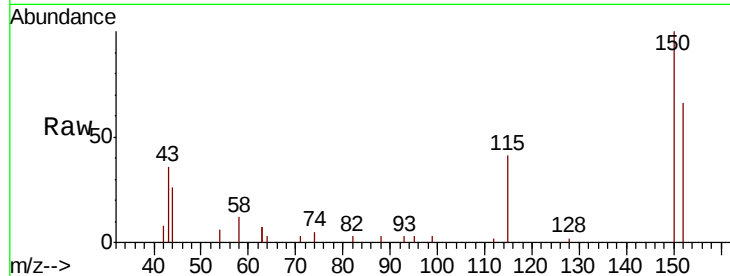
Tgt Ion:152 Resp: 3236

Ion Ratio Lower Upper

152 100

150 152.4 122.5 183.7

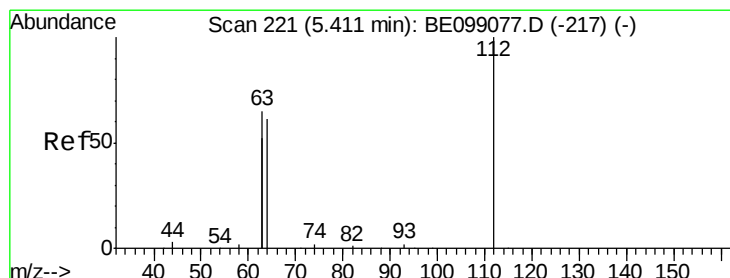
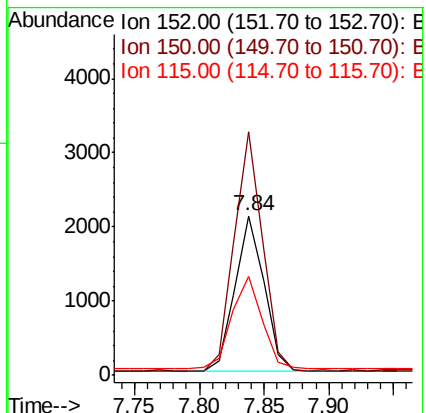
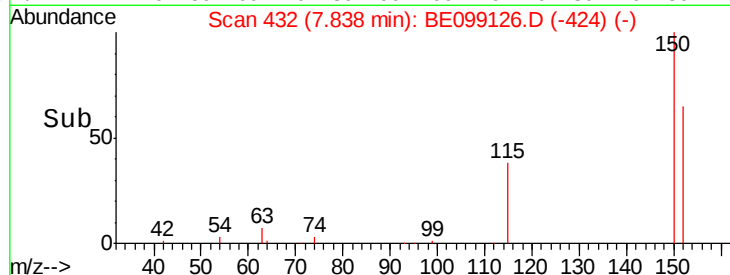
115 61.7 57.4 86.2



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



#4

2-Fluorophenol

Concen: 0.348 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

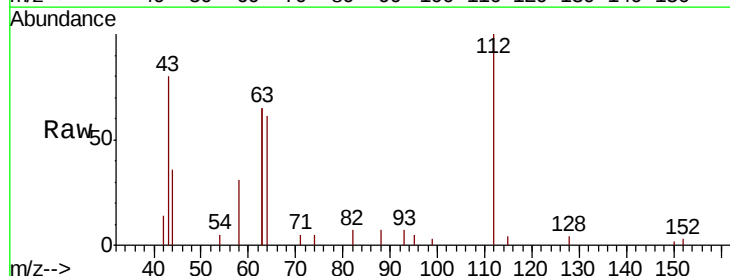
Tgt Ion:112 Resp: 3355

Ion Ratio Lower Upper

112 100

64 58.8 57.9 86.9

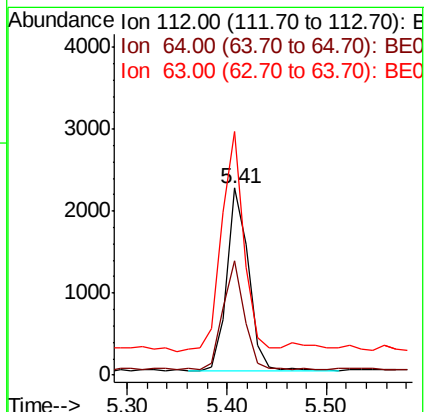
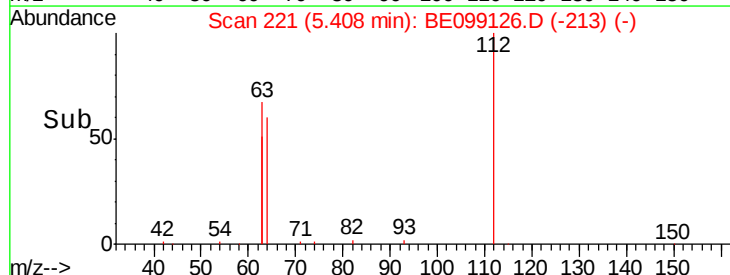
63 123.0 158.3 237.5#

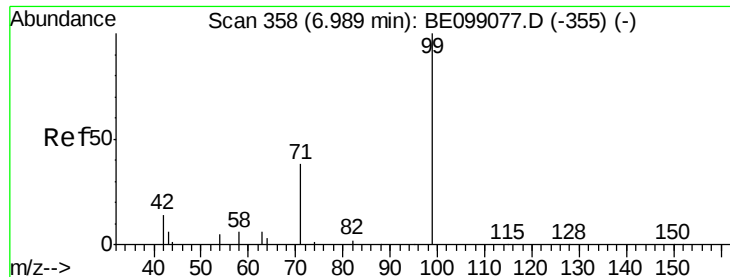


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.340 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

Instrument :

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ClientSampleId :

PST-026-SW044-031919

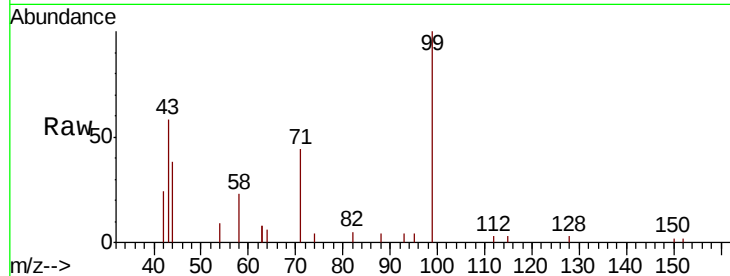
Tgt Ion: 99 Resp: 4711

Ion Ratio Lower Upper

99 100

42 20.8 24.2 36.2#

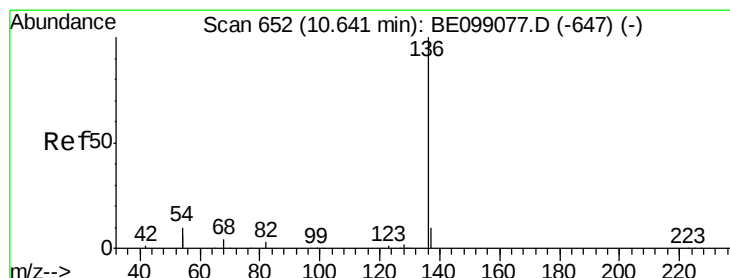
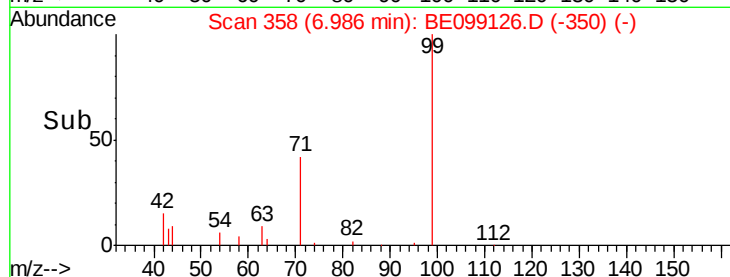
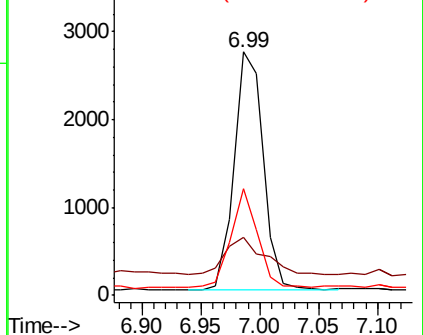
71 36.8 35.7 53.5



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

Tgt Ion: 136 Resp: 13170

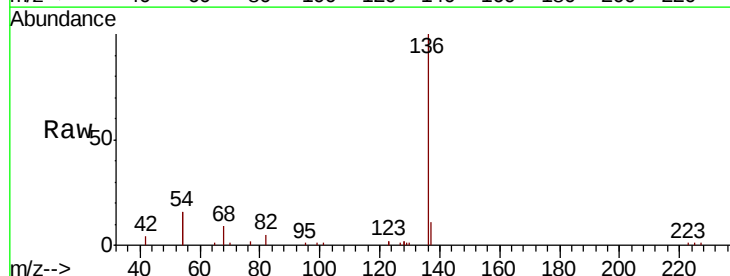
Ion Ratio Lower Upper

136 100

137 11.3 11.4 17.0#

54 31.7 39.3 58.9#

68 8.6 6.7 10.1

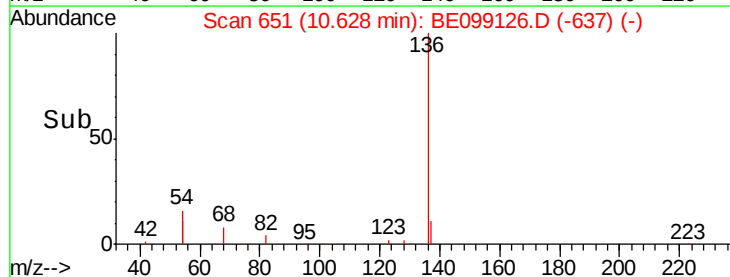
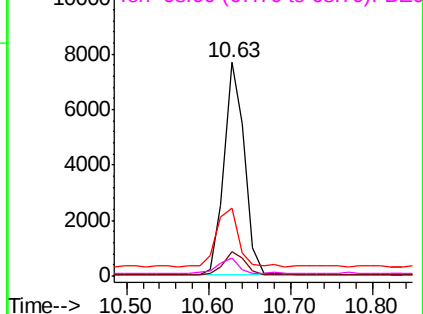


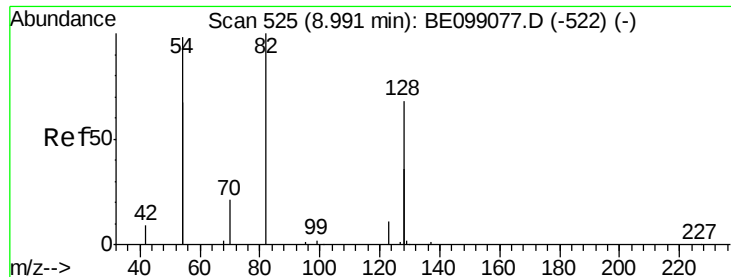
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.581 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

Instrument :

BNA_E

ClientSampleId :

PST-026-SW044-031919

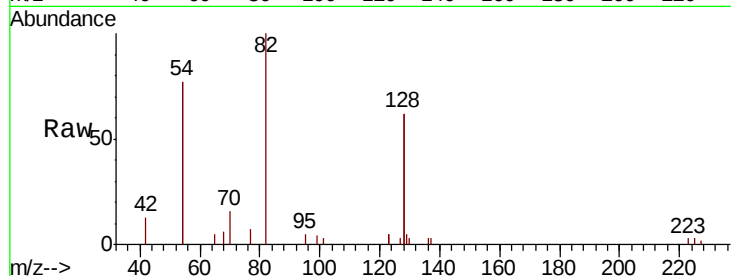
Tgt Ion: 82 Resp: 3345

Ion Ratio Lower Upper

82 100

128 124.0 123.8 185.8

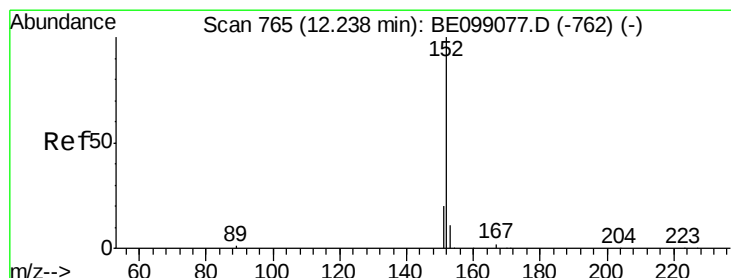
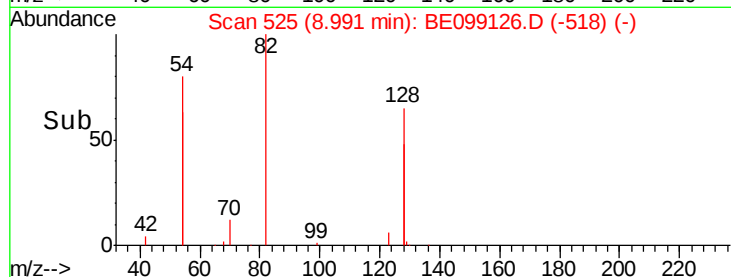
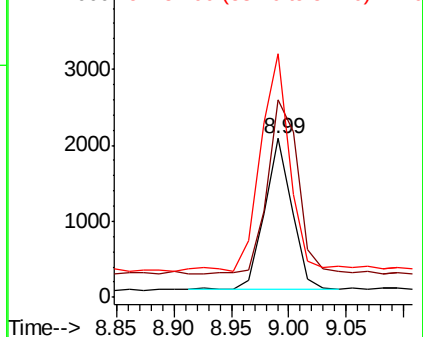
54 153.1 203.4 305.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.305 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099126.D

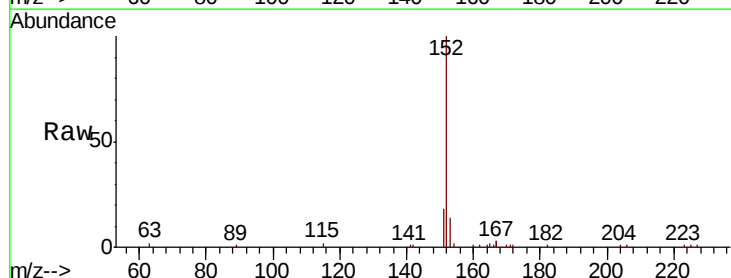
Acq: 24 Mar 2019 00:36

Tgt Ion: 152 Resp: 7241

Ion Ratio Lower Upper

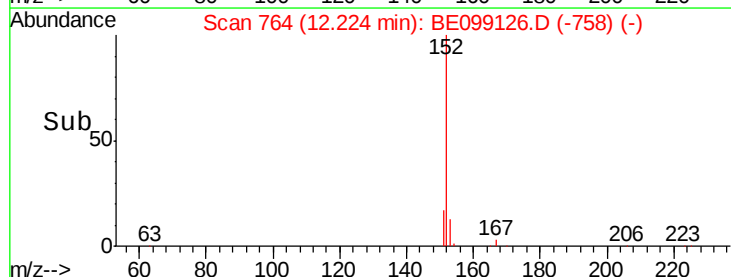
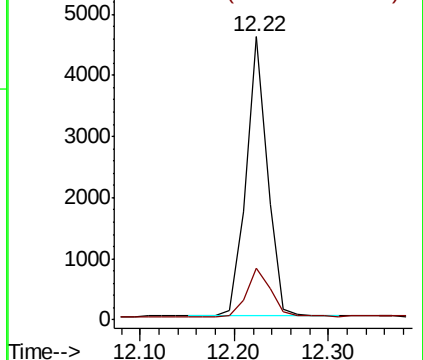
152 100

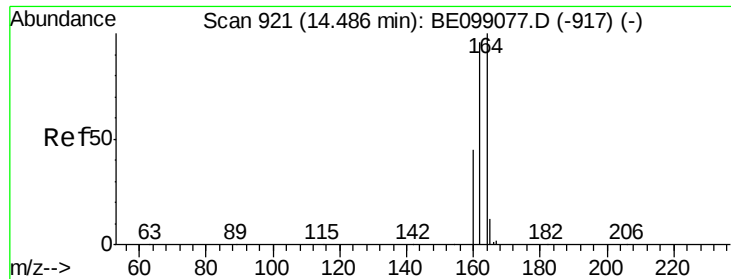
151 19.5 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

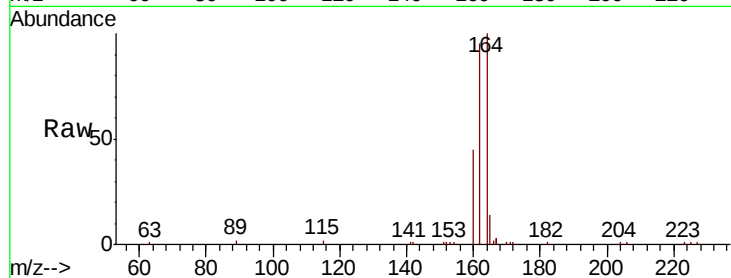




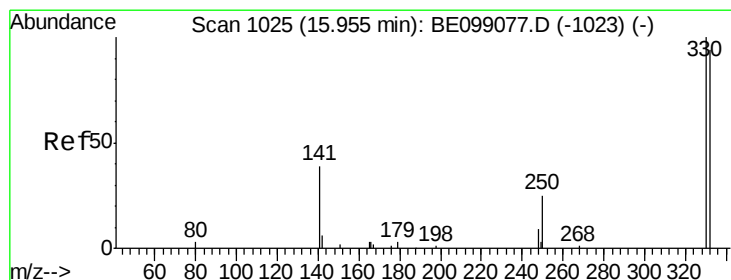
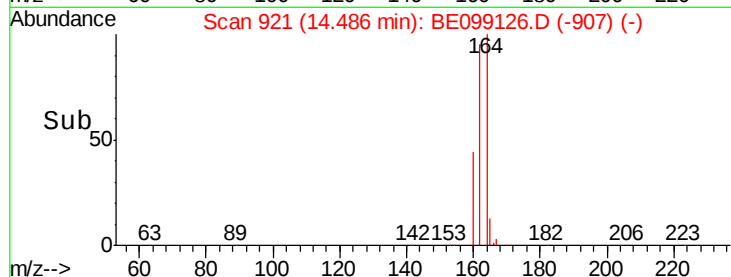
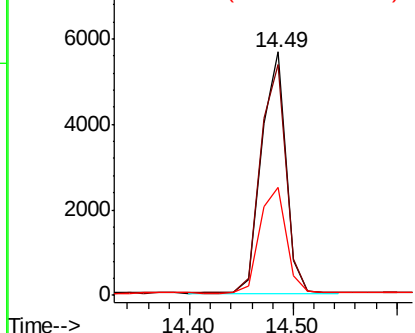
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099126.D
Acq: 24 Mar 2019 00:36

Instrument :
BNA_E
ClientSampleId :
PST-026-SW044-031919

Tgt Ion:164 Resp: 9286
Ion Ratio Lower Upper
164 100
162 94.9 80.2 120.2
160 44.6 37.8 56.8

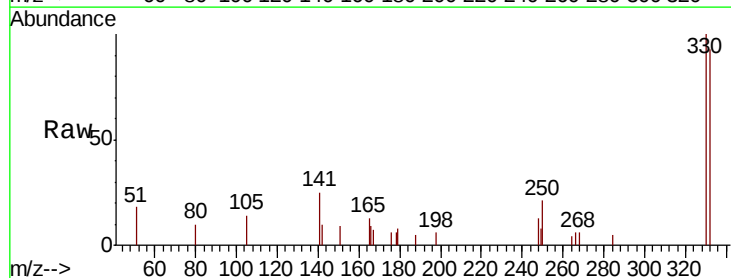


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

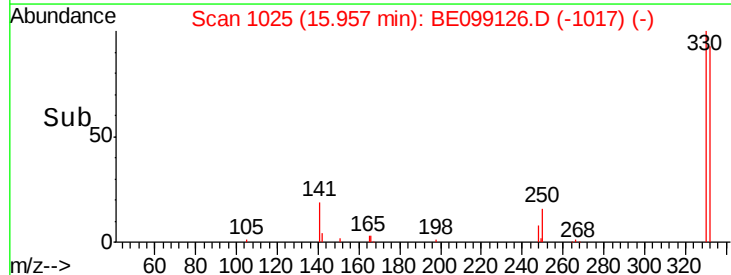
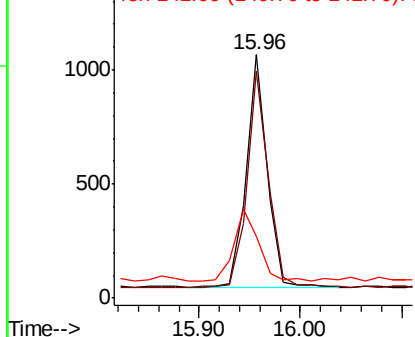


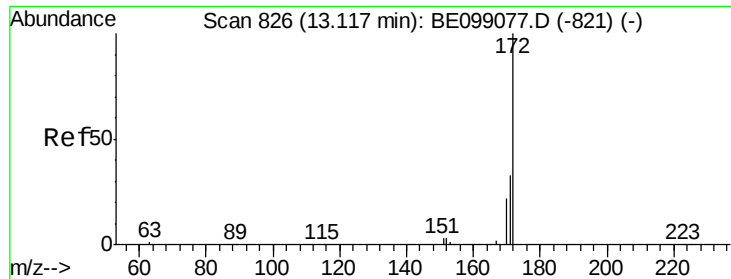
#14
2,4,6-Tribromophenol
Concen: 0.541 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099126.D
Acq: 24 Mar 2019 00:36

Tgt Ion:330 Resp: 1476
Ion Ratio Lower Upper
330 100
332 95.9 77.6 116.4
141 35.7 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

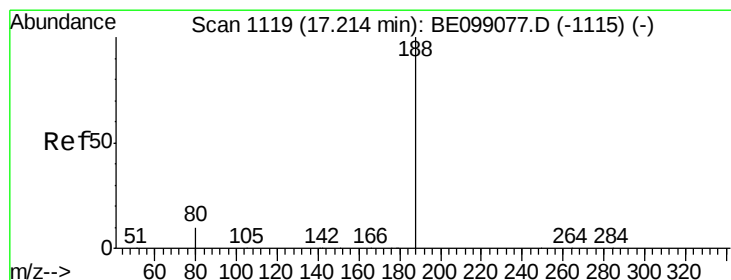
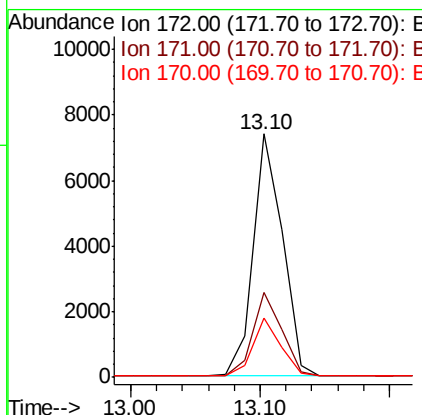
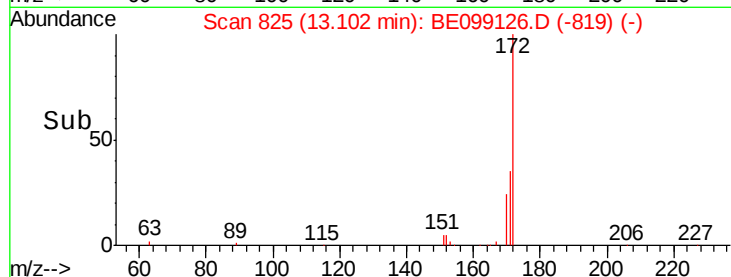
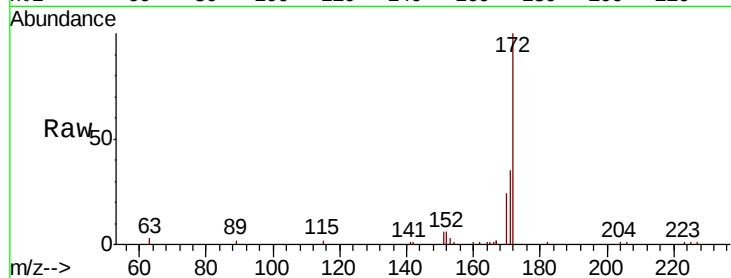




#15
 2-Fluorobiphenyl
 Concen: 0.313 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BE099126.D
 Acq: 24 Mar 2019 00:36

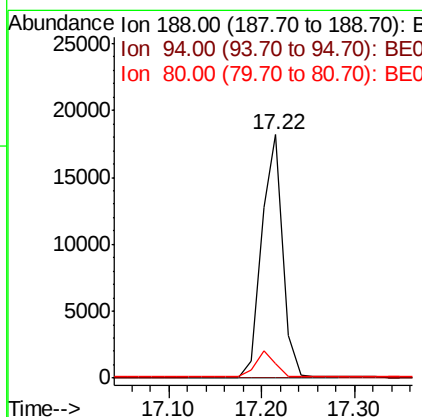
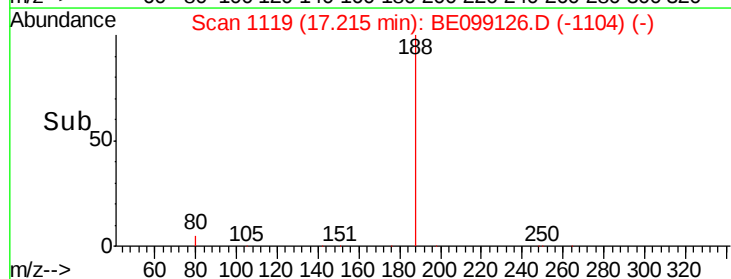
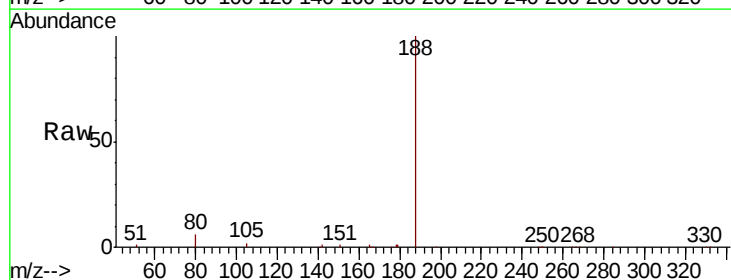
Instrument :
 BNA_E
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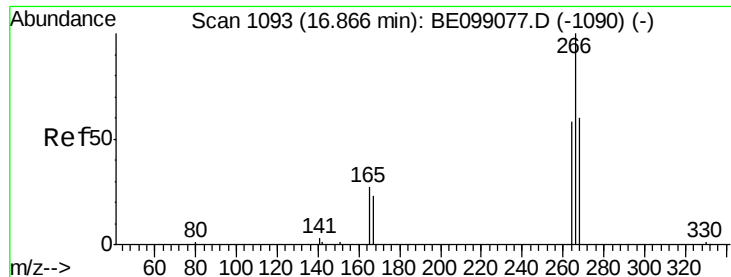
Tgt Ion:172 Resp: 11574
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.0 42.0
 170 24.3 17.7 26.5



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.22 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: BE099126.D
 Acq: 24 Mar 2019 00:36

Tgt Ion:188 Resp: 28470
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 5.9 6.3 9.5#





#22

Pentachlorophenol

Concen: 0.264 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.04 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

Instrument :

BNA_E

ClientSampleId :

PST-026-SW044-031919

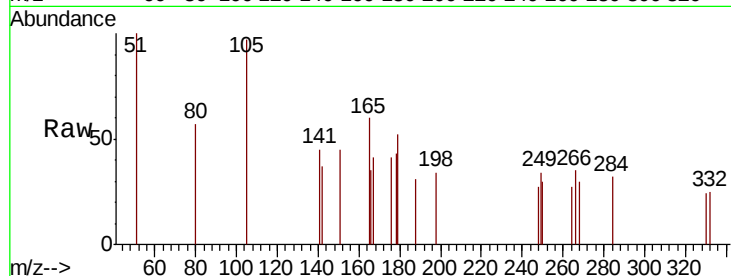
Tgt Ion:266 Resp: 74

Ion Ratio Lower Upper

266 100

264 79.4 66.6 100.0

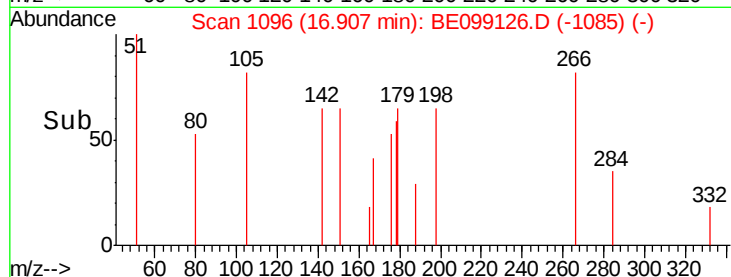
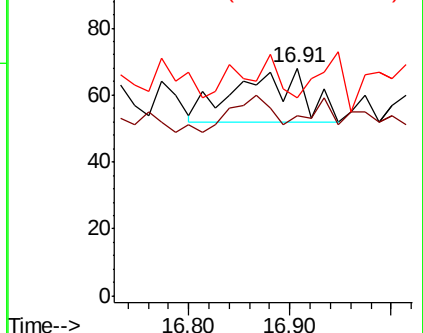
268 86.8 69.8 104.8



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: 0.038 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

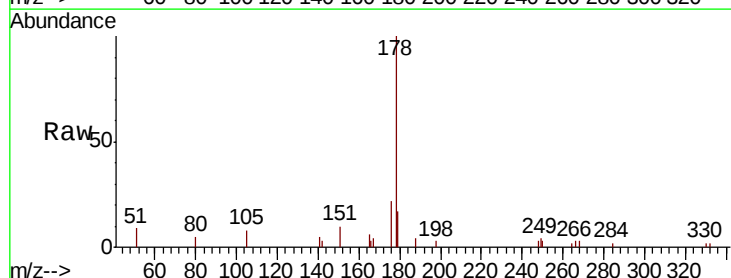
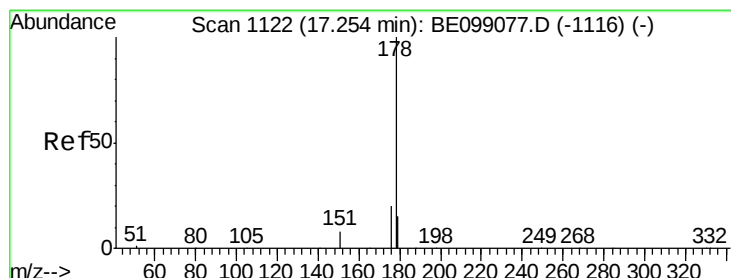
Tgt Ion:178 Resp: 3187

Ion Ratio Lower Upper

178 100

176 23.9 16.0 24.0

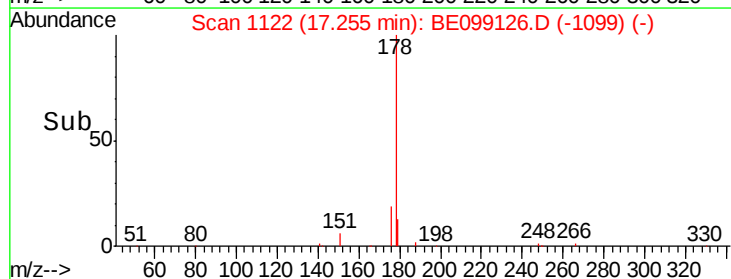
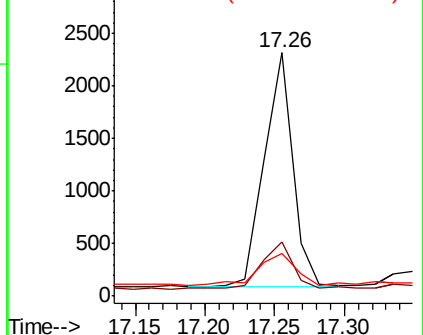
179 18.4 12.1 18.1#

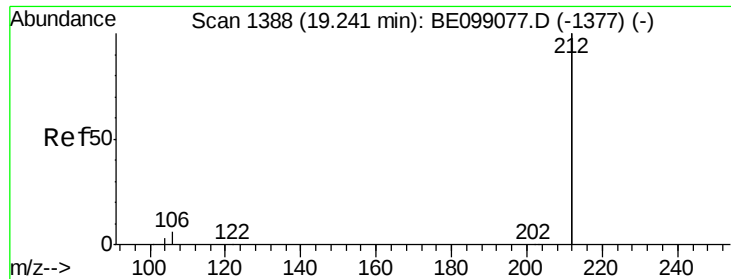


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.331 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099126.D

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ClientSampleId :

PST-026-SW044-031919

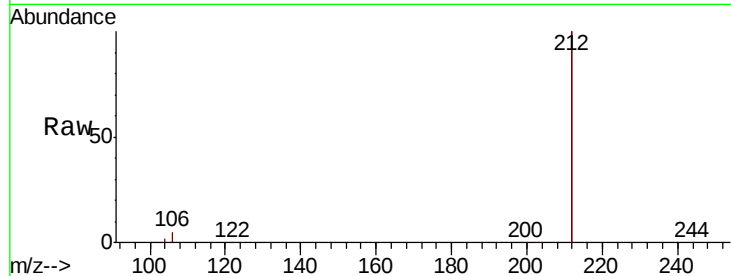
Tgt Ion:212 Resp: 125650

Ion Ratio Lower Upper

212 100

106 2.6 1.8 2.8

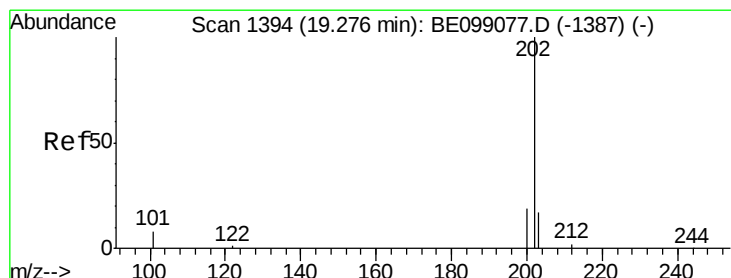
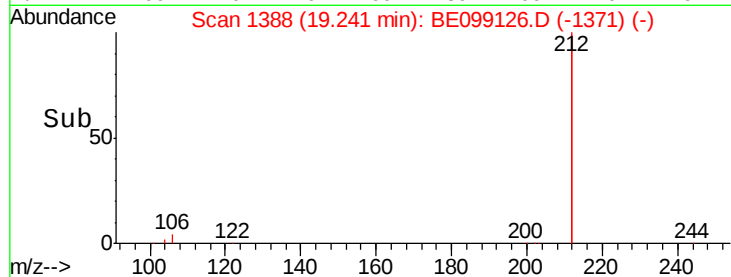
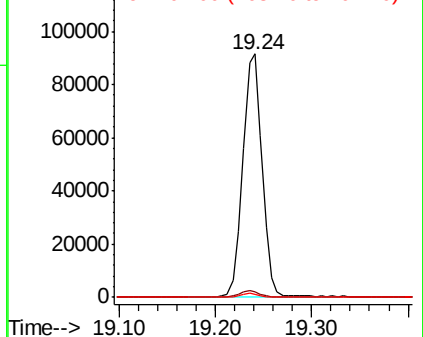
104 1.4 1.0 1.6



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: 0.051 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

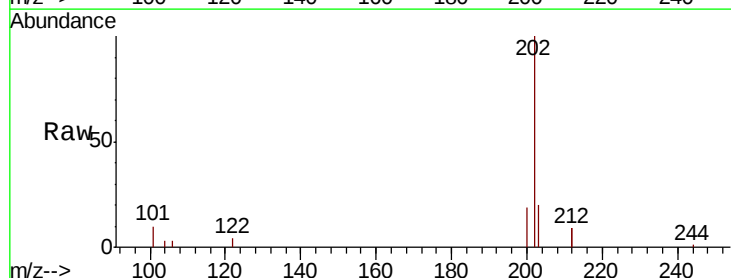
Tgt Ion:202 Resp: 6036

Ion Ratio Lower Upper

202 100

101 11.1 7.3 10.9#

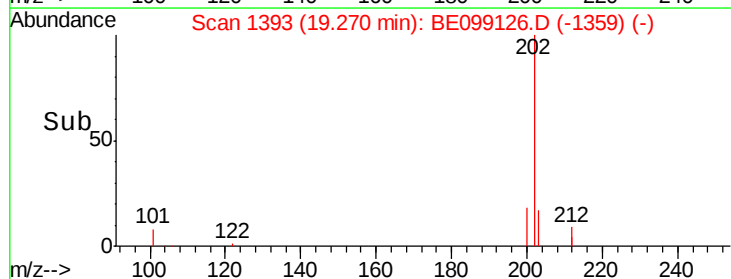
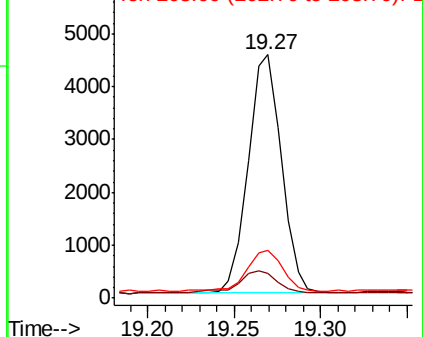
203 18.5 13.4 20.2

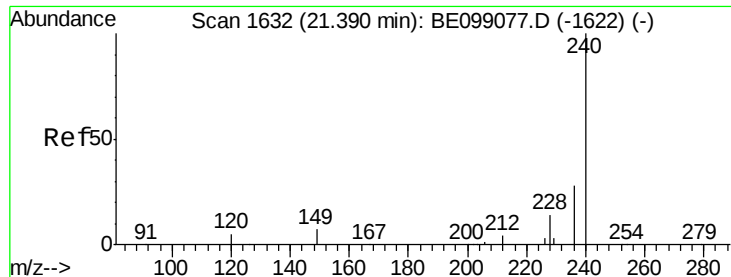


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

Instrument :

BNA_E

ClientSampleId :

PST-026-SW044-031919

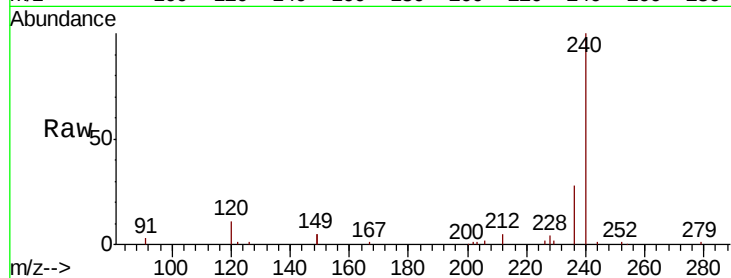
Tgt Ion:240 Resp: 39319

Ion Ratio Lower Upper

240 100

120 10.7 5.0 7.4#

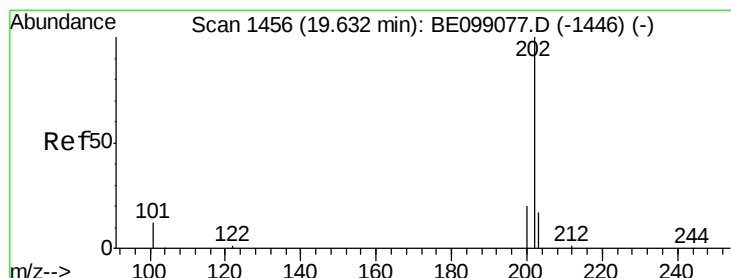
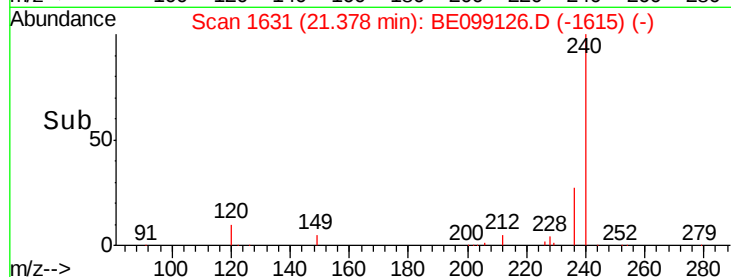
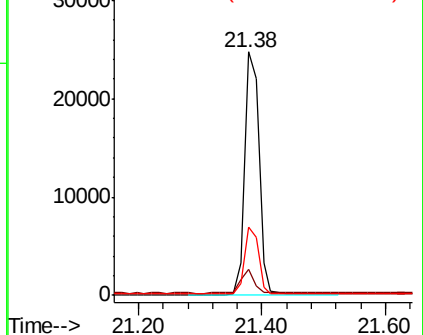
236 27.9 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.053 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

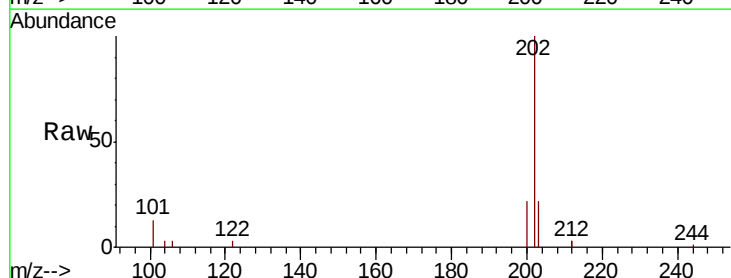
Tgt Ion:202 Resp: 7115

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.6

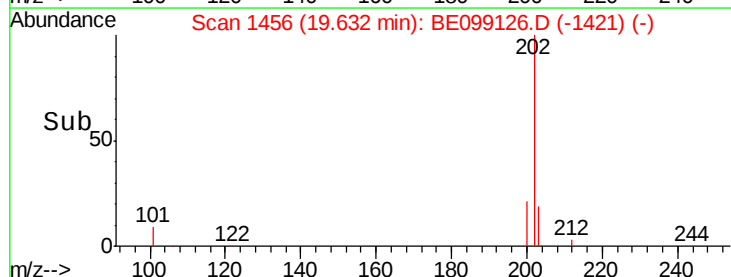
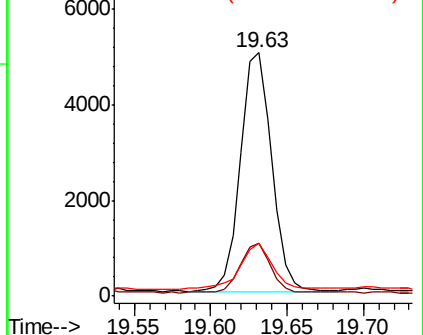
203 20.3 14.2 21.2

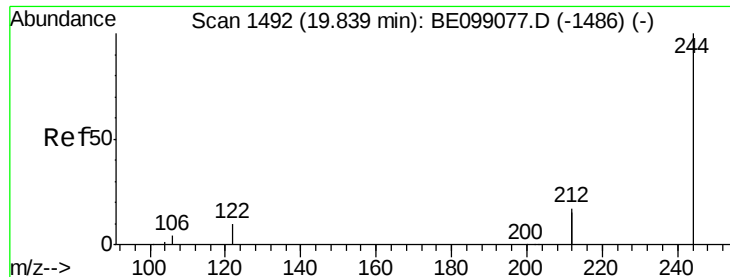


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.305 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

Instrument :

BNA_E

ClientSampleId :

PST-026-SW044-031919

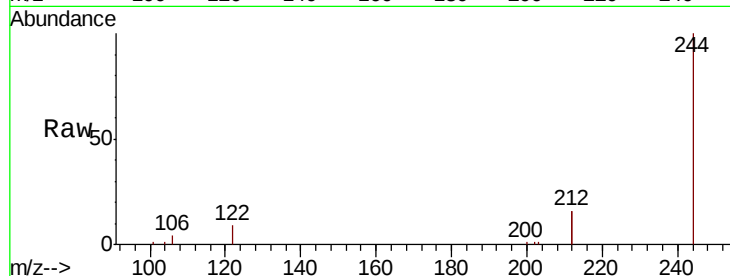
Tgt Ion:244 Resp: 25368

Ion Ratio Lower Upper

244 100

212 31.1 29.4 44.2

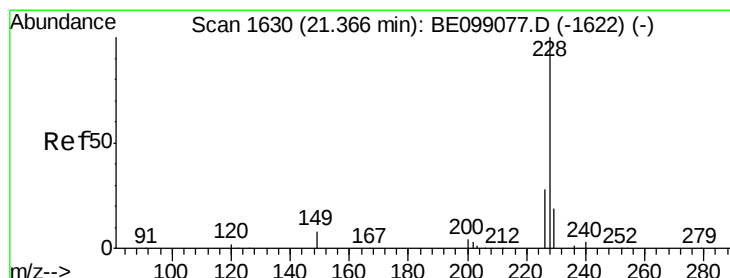
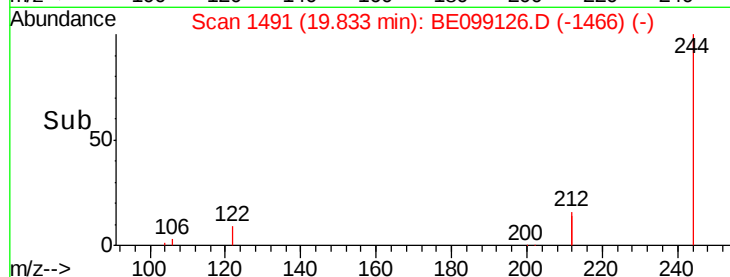
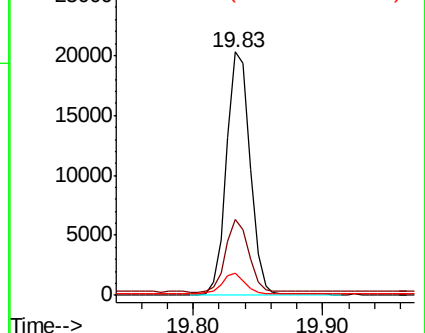
122 9.2 7.1 10.7



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: 0.025 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

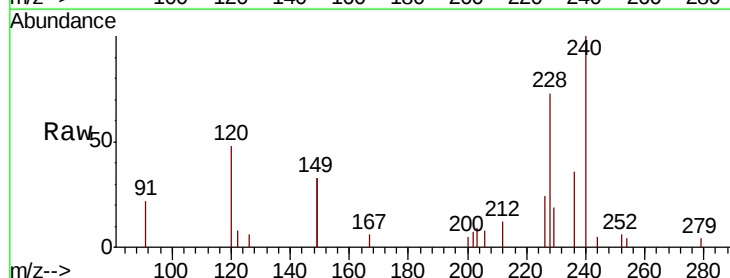
Tgt Ion:228 Resp: 3425

Ion Ratio Lower Upper

228 100

226 33.4 23.0 34.4

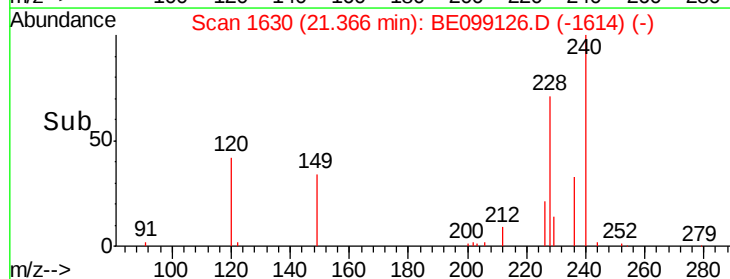
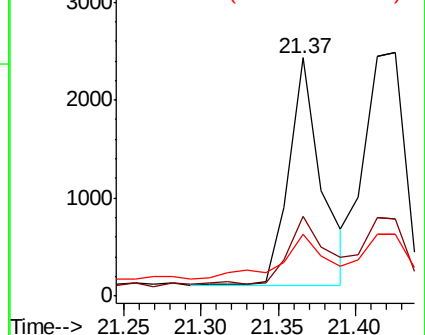
229 25.9 16.5 24.7#

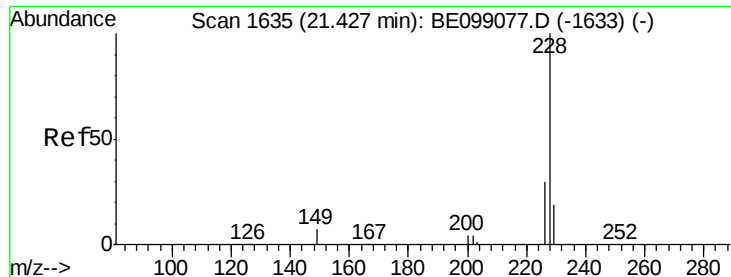


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.031 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

Instrument :

BNA_E

ClientSampleId :

PST-026-SW044-031919

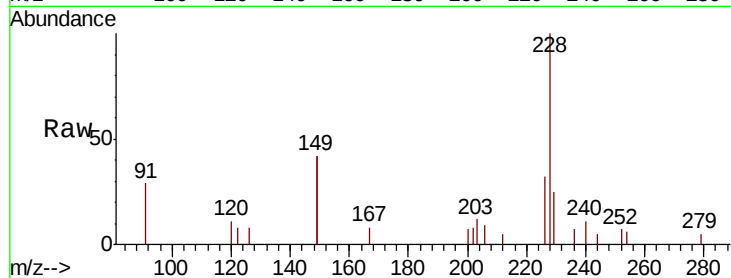
Tgt Ion: 228 Resp: 4332

Ion Ratio Lower Upper

228 100

226 31.5 23.7 35.5

229 25.5 16.1 24.1#

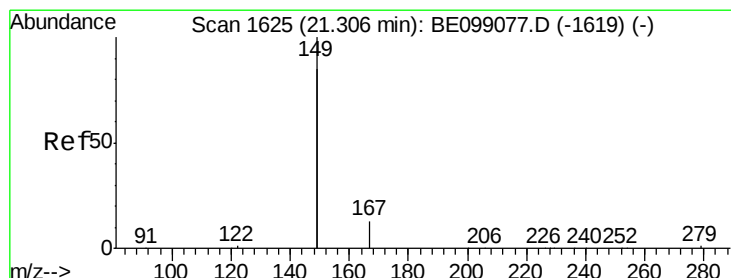
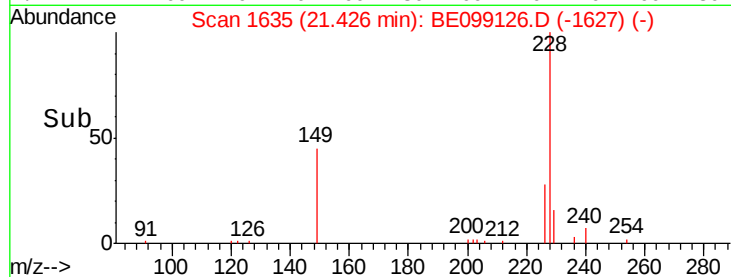
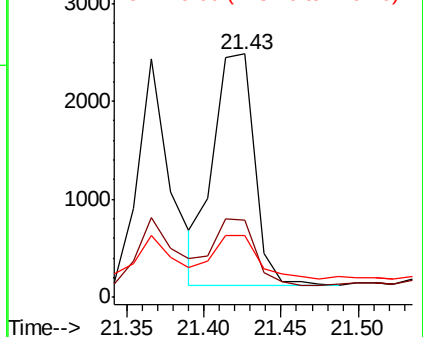


Abundance

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: 0.096 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

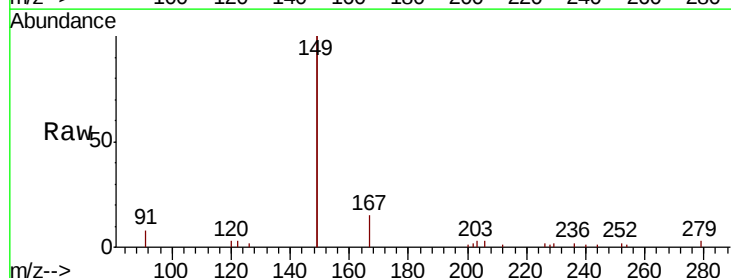
Tgt Ion: 149 Resp: 17191

Ion Ratio Lower Upper

149 100

167 7.3 5.4 8.0

279 1.3 1.0 1.4

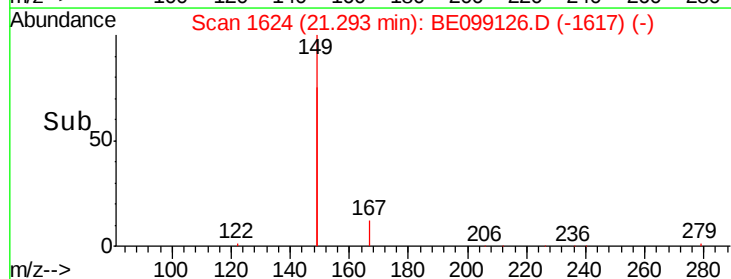
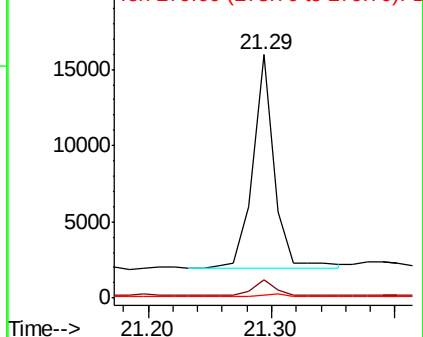


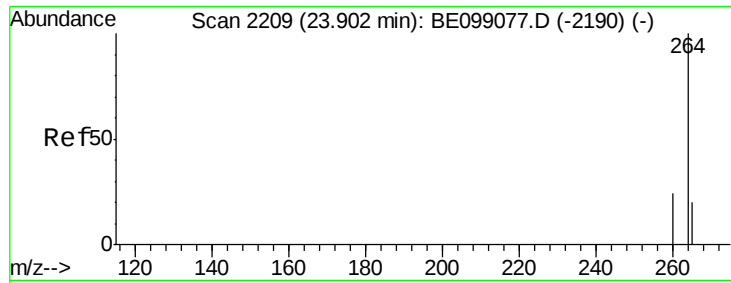
Abundance

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

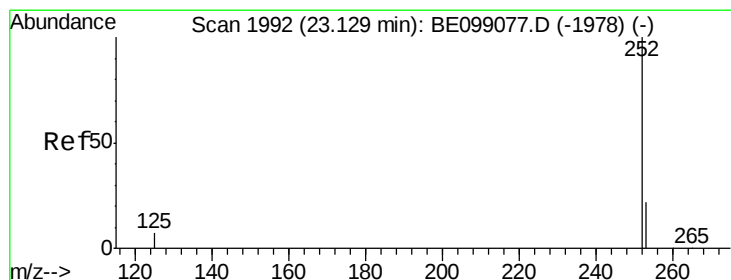
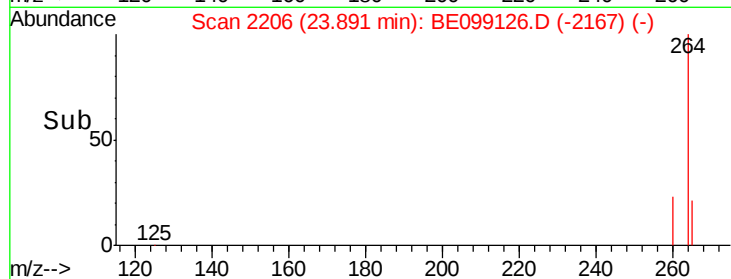
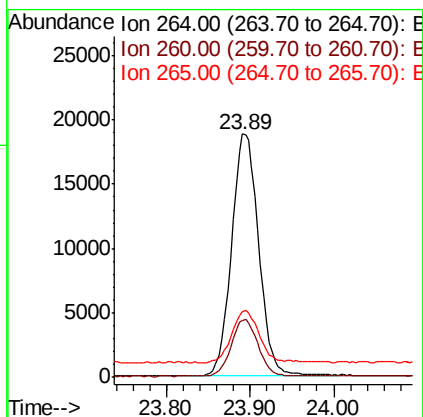
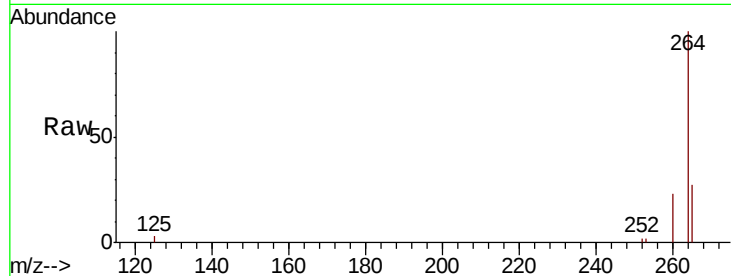




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BE099126.D
 Acq: 24 Mar 2019 00:36

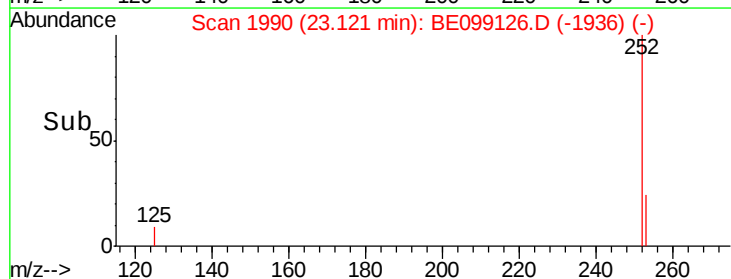
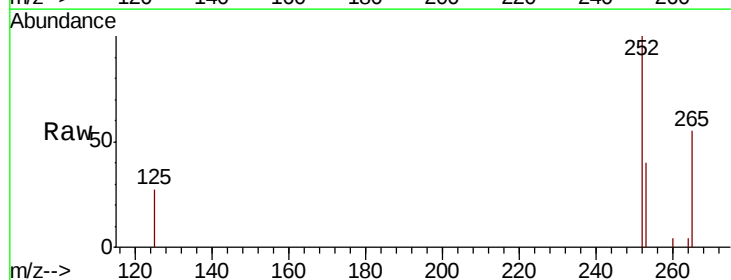
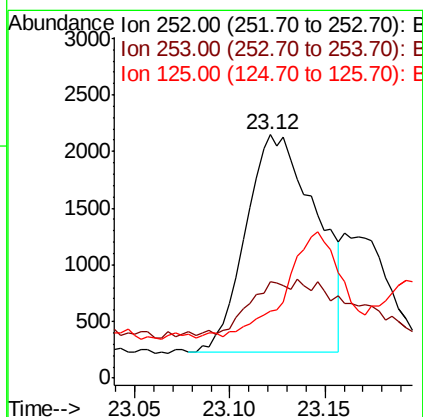
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW044-031919

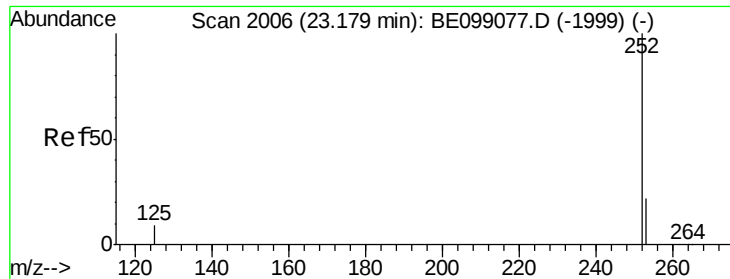
Tgt Ion: 264 Resp: 42286
 Ion Ratio Lower Upper
 264 100
 260 23.4 21.2 31.8
 265 27.2 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.034 ng
 RT: 23.12 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BE099126.D
 Acq: 24 Mar 2019 00:36

Tgt Ion: 252 Resp: 4967
 Ion Ratio Lower Upper
 252 100
 253 39.6 18.2 27.2#
 125 27.4 7.3 10.9#





#36

Benzo(k)fluoranthene

Concen: 0.035 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.06 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

Instrument :

BNA_E

ClientSampleId :

PST-026-SW044-031919

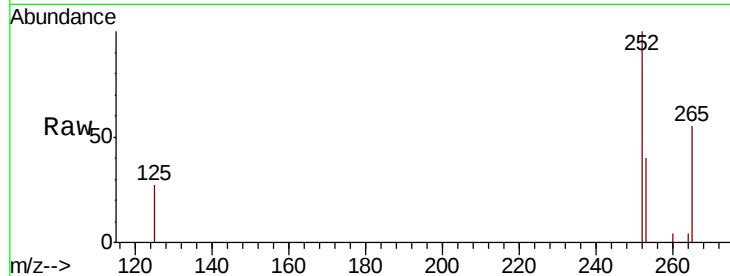
Tgt Ion: 252 Resp: 4967

Ion Ratio Lower Upper

252 100

253 39.6 19.3 28.9#

125 27.4 7.5 11.3#

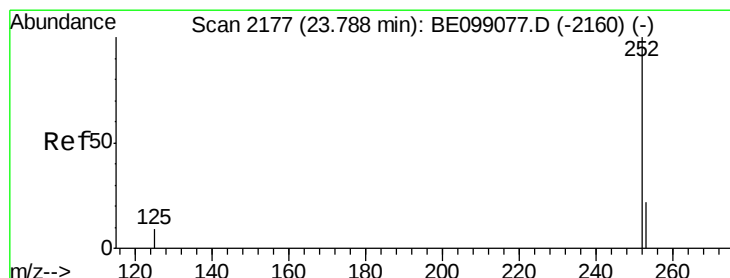
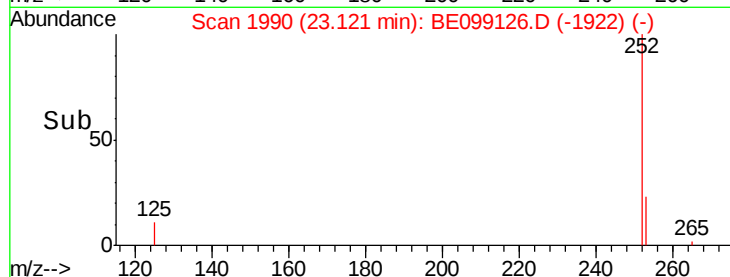
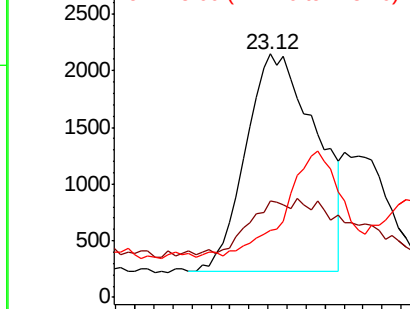


Abundance

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: 0.026 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099126.D

Acq: 24 Mar 2019 00:36

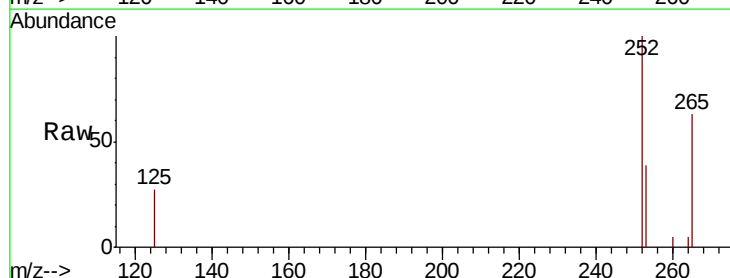
Tgt Ion: 252 Resp: 3480

Ion Ratio Lower Upper

252 100

253 39.4 19.9 29.9#

125 27.2 9.0 13.4#

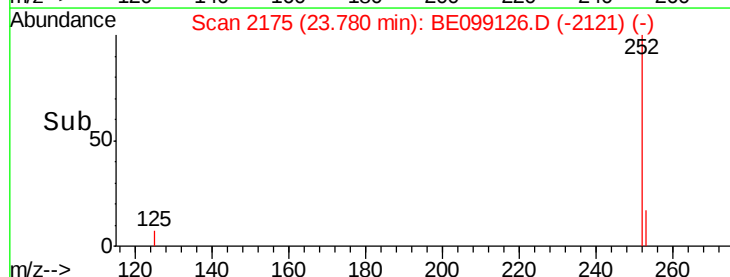
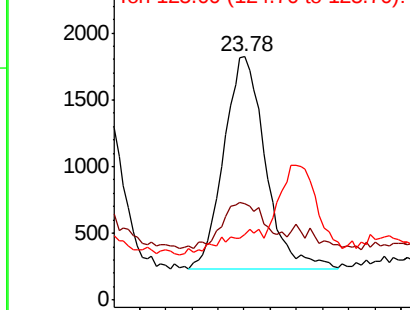


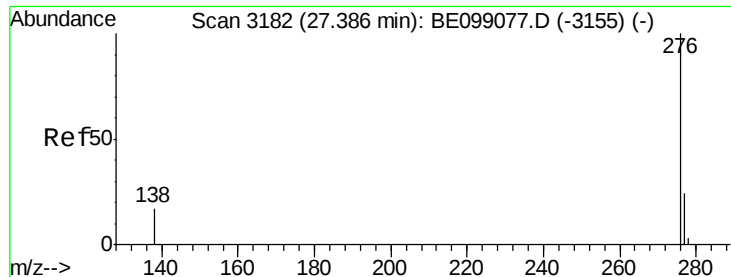
Abundance

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: 0.021 ng

RT: 27.37 min Scan# 3176

Delta R.T. -0.02 min

Lab File: BE099126.D

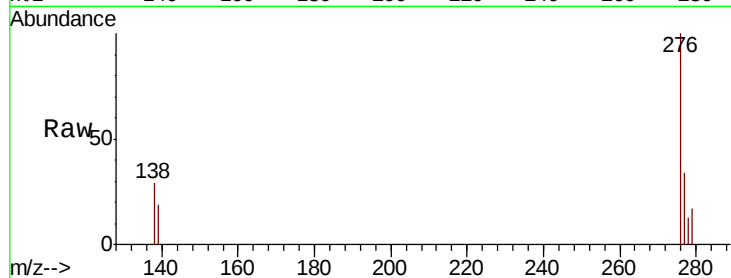
Acq: 24 Mar 2019 00:36

Instrument :

BNA_E

ClientSampleId :

PST-026-SW044-031919



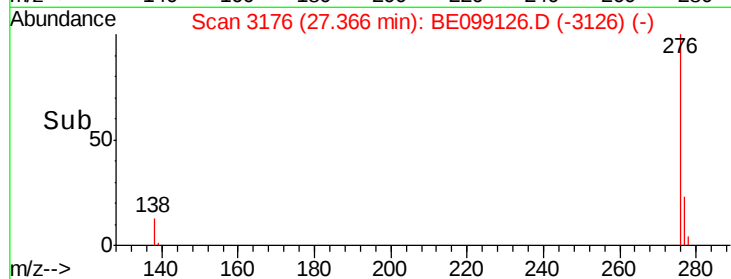
Tgt Ion: 276 Resp: 2802

Ion Ratio Lower Upper

276 100

277 33.9 20.4 30.6#

138 29.1 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

