

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099115.D
 Acq On : 23 Mar 2019 17:03
 Operator : JU/SJ
 Sample : K2014-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW082-031919

Quant Time: Mar 23 22:36:40 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	3655	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13899	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9104	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	24705	0.40	ng	0.00
27) Chrysene-d12	21.38	240	37177	0.40	ng	-0.01
34) Perylene-d12	23.90	264	40671	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4552	0.42	ng	0.00
5) Phenol-d6	6.99	99	6307	0.40	ng	0.00
8) Nitrobenzene-d5	8.99	82	4057	0.67	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	9082	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1463	0.55	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13513	0.37	ng	-0.01
25) Fluoranthene-d10	19.24	212	121017	0.37	ng	0.00
29) Terphenyl-d14	19.83	244	23363	0.30	ng	0.00

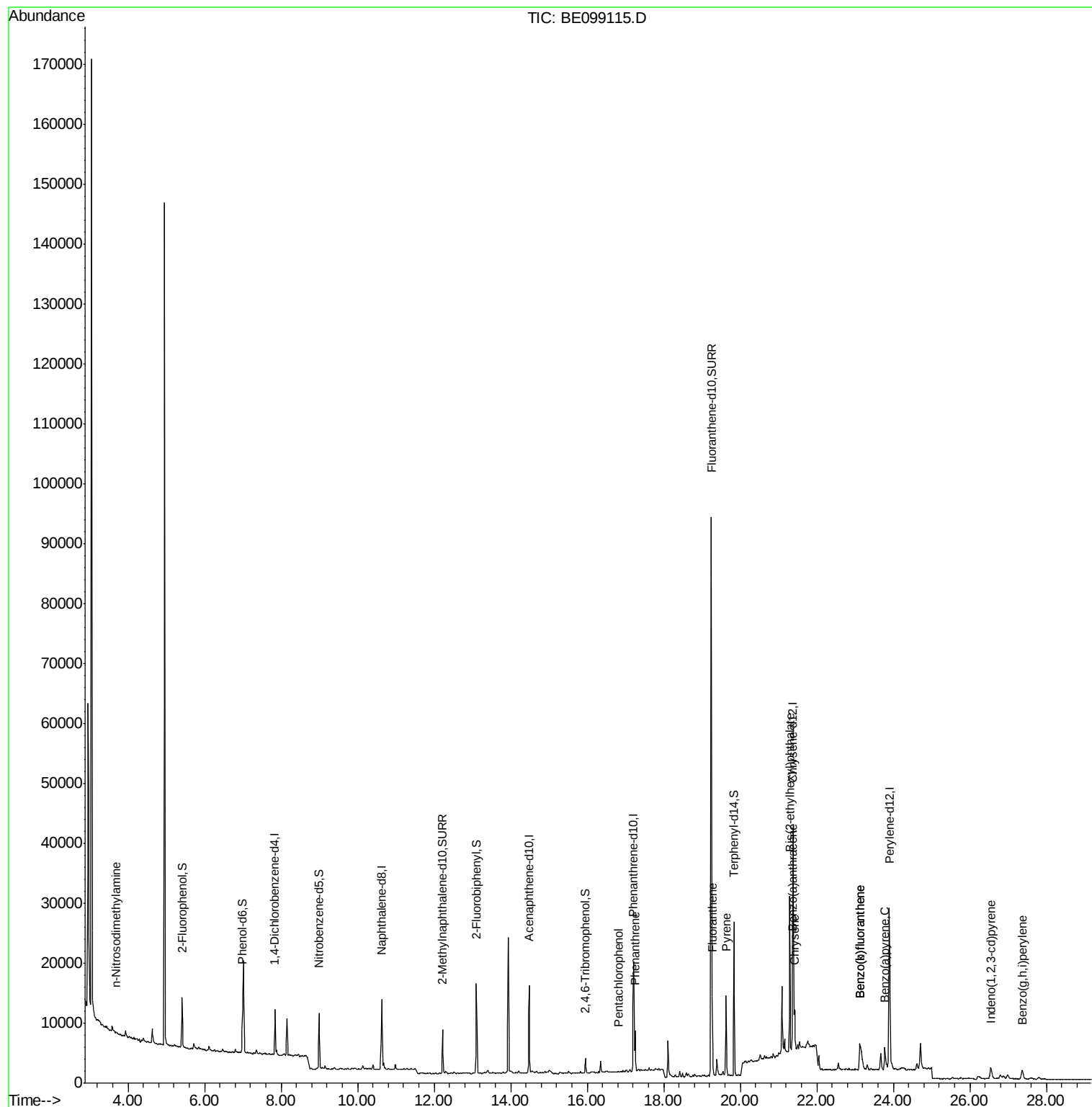
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.68	42	132	0.045	ng	# 1
22) Pentachlorophenol	16.83	266	22	0.255	ng	95
23) Phenanthrene	17.25	178	6927	0.094	ng	97
26) Fluoranthene	19.27	202	11241	0.109	ng	# 97
28) Pyrene	19.63	202	12341	0.098	ng	97
30) Benzo(a)anthracene	21.37	228	6538	0.050	ng	98
31) Chrysene	21.42	228	7243	0.055	ng	95
32) Bis(2-ethylhexyl)phthalate	21.29	149	27878	0.164	ng	97
33) Indeno(1,2,3-cd)pyrene	26.54	276	3737	0.027	ng	# 80
35) Benzo(b)fluoranthene	23.13	252	8536	0.061	ng	# 75
36) Benzo(k)fluoranthene	23.13	252	8536	0.062	ng	# 78
37) Benzo(a)pyrene	23.78	252	5830	0.045	ng	# 89
39) Benzo(g,h,i)perylene	27.36	276	4062	0.031	ng	# 86

(#) = 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: BE099115.D

Acq: 23 Mar 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

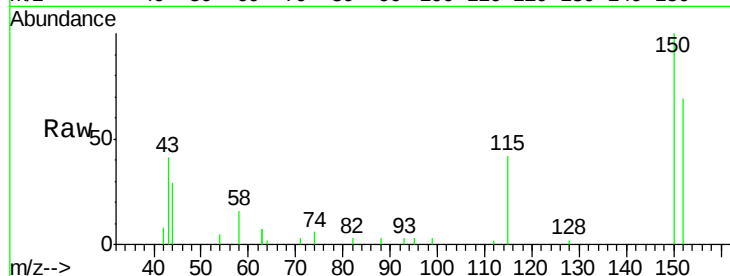
Tgt Ion: 152 Resp: 3655

Ion Ratio Lower Upper

152 100

150 145.2 122.5 183.7

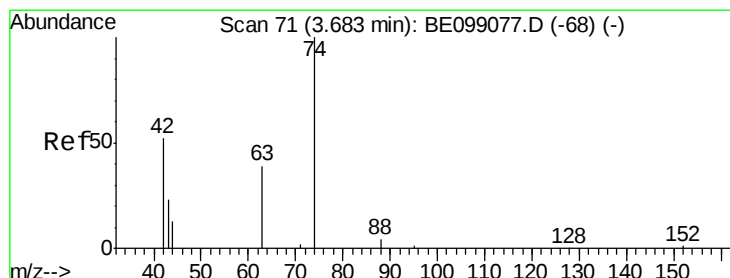
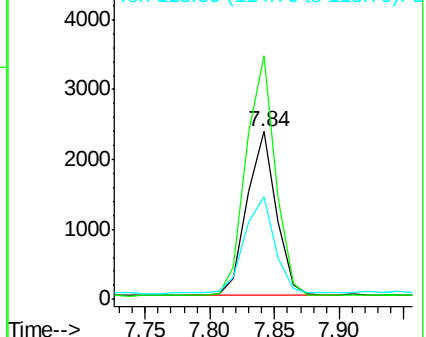
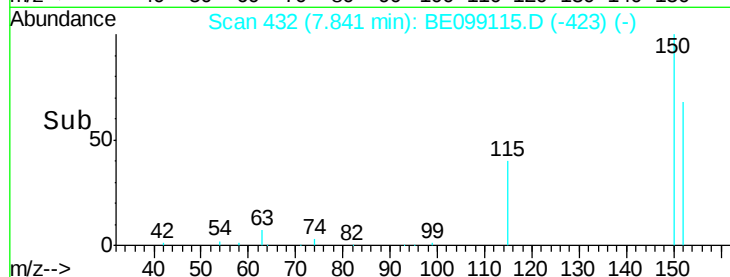
115 61.1 57.4 86.2



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: 0.045 ng

RT: 3.68 min Scan# 71

Delta R.T. 0.00 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

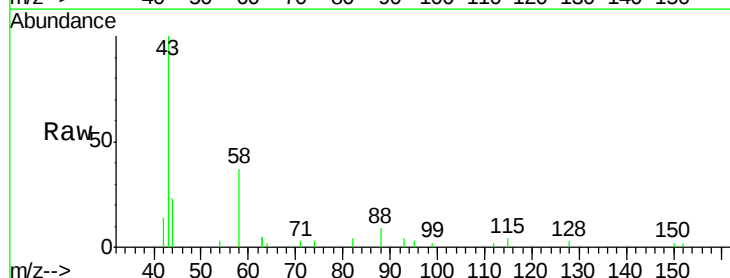
Tgt Ion: 42 Resp: 132

Ion Ratio Lower Upper

42 100

74 21.2 160.0 240.0#

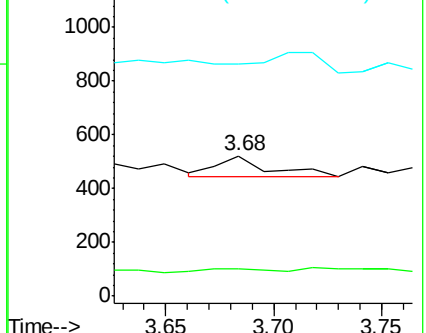
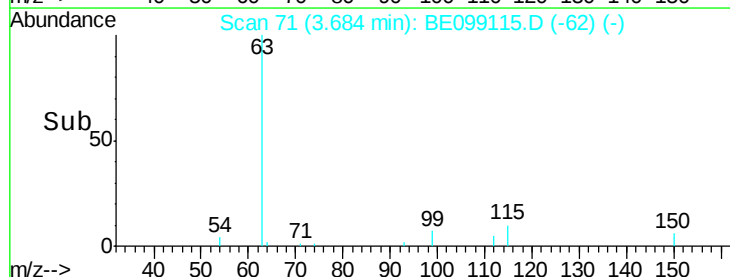
44 0.0 0.0 0.0

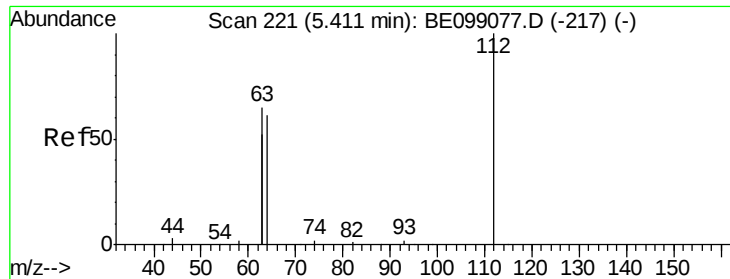


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.418 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

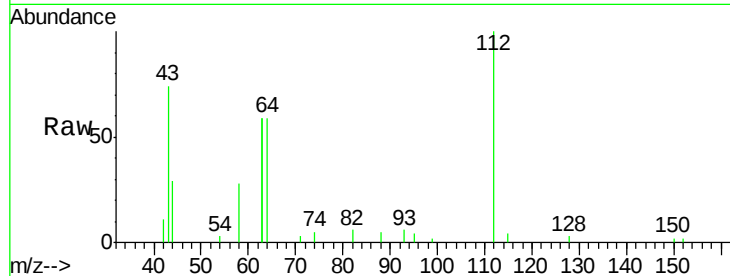
Tgt Ion: 112 Resp: 4552

Ion Ratio Lower Upper

112 100

64 56.4 57.9 86.9#

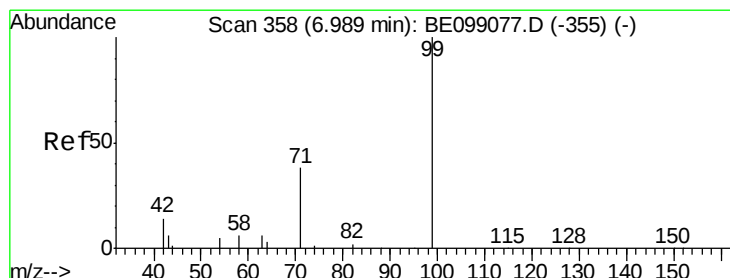
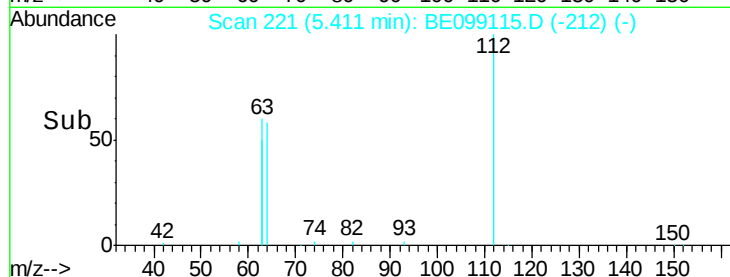
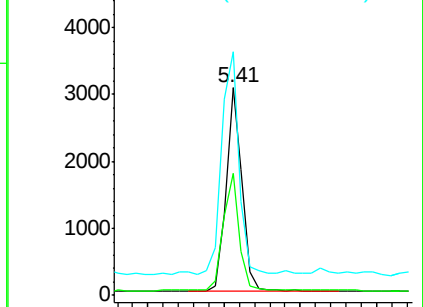
63 117.5 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): BE099115.D (-212) (-)

Ion 64.00 (63.70 to 64.70): BE099115.D (-212) (-)

Ion 63.00 (62.70 to 63.70): BE099115.D (-212) (-)



#5

Phenol-d6

Concen: 0.403 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

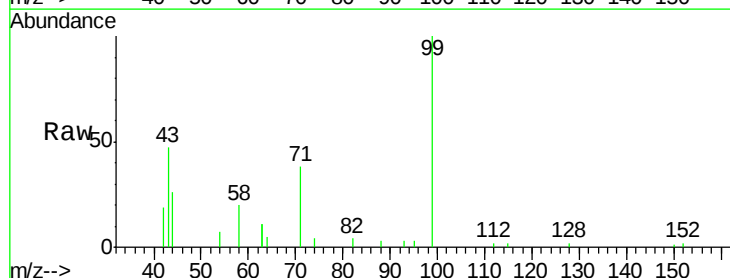
Tgt Ion: 99 Resp: 6307

Ion Ratio Lower Upper

99 100

42 20.0 24.2 36.2#

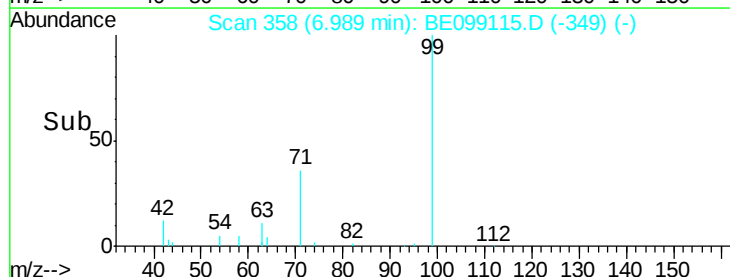
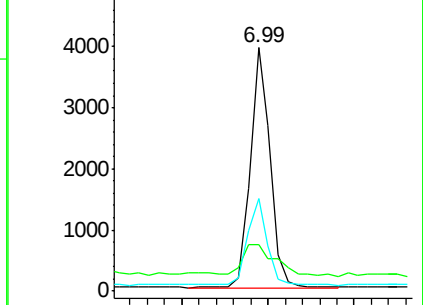
71 36.0 35.7 53.5

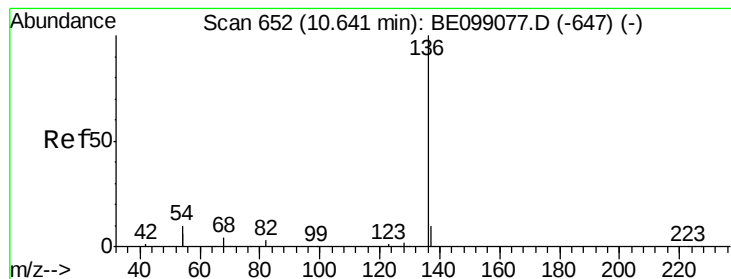


Abundance Ion 99.00 (98.70 to 99.70): BE099115.D (-349) (-)

Ion 42.00 (41.70 to 42.70): BE099115.D (-349) (-)

Ion 71.00 (70.70 to 71.70): BE099115.D (-349) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

Tgt Ion: 136 Resp: 13899

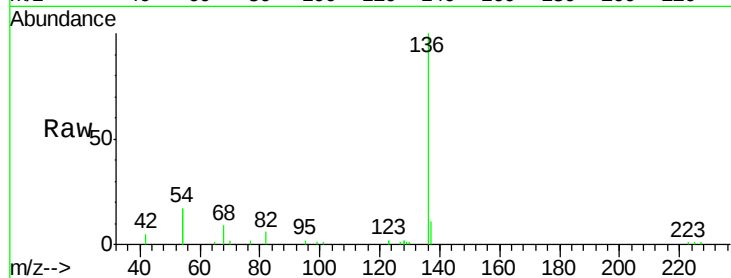
Ion Ratio Lower Upper

136 100

137 10.6 11.4 17.0#

54 33.6 39.3 58.9#

68 8.6 6.7 10.1

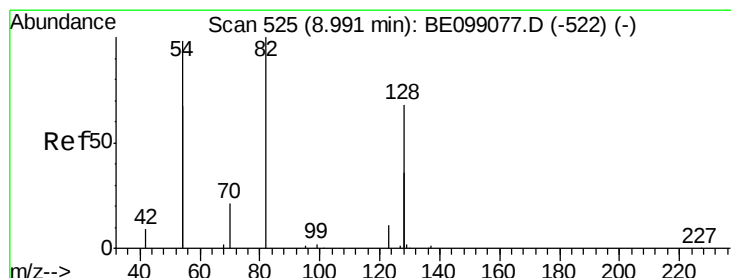
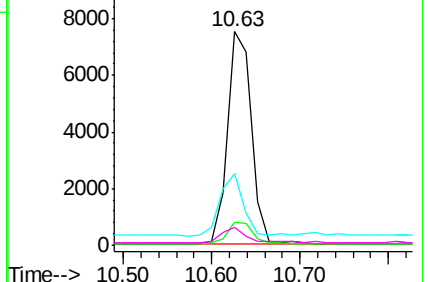
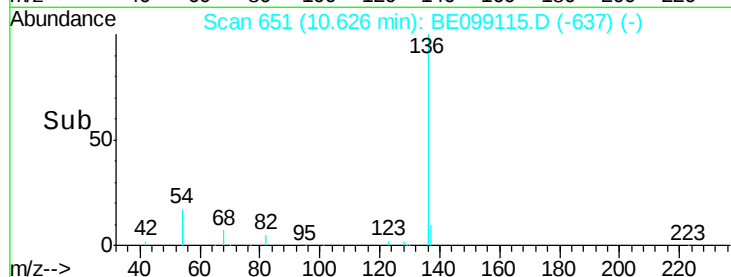


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.668 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

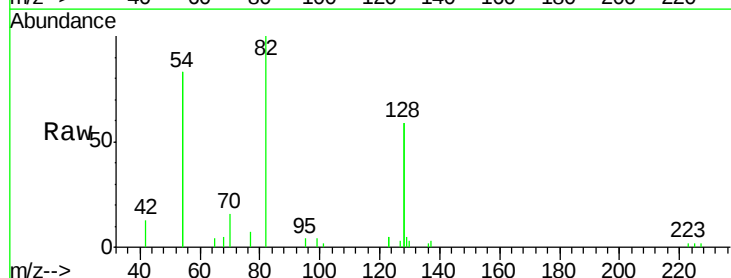
Tgt Ion: 82 Resp: 4057

Ion Ratio Lower Upper

82 100

128 117.2 123.8 185.8#

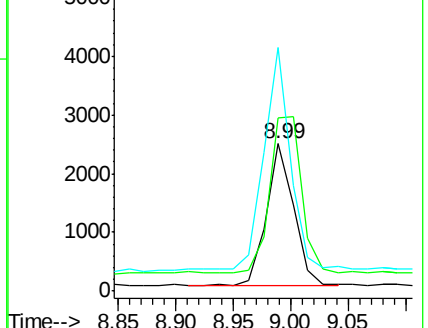
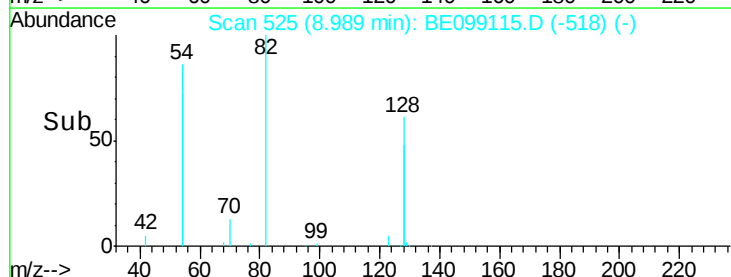
54 165.2 203.4 305.2#

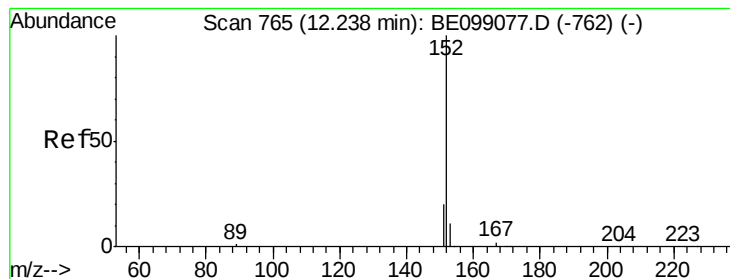


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.363 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

Instrument :

BNA_E

ClientSampleId :

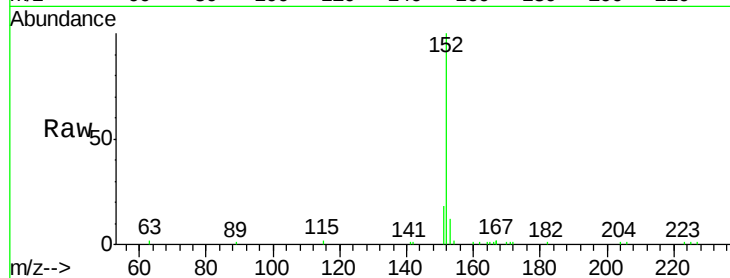
PST-026-SW082-031919

Tgt Ion:152 Resp: 9082

Ion Ratio Lower Upper

152 100

151 19.0 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

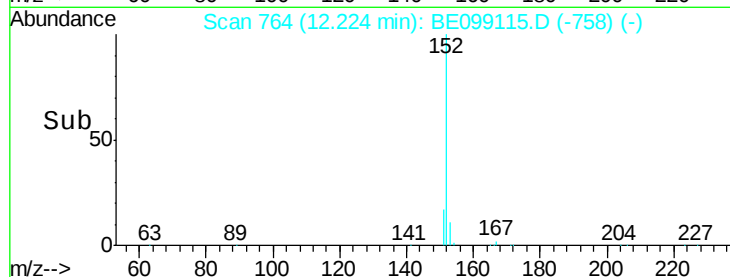
6000

4000

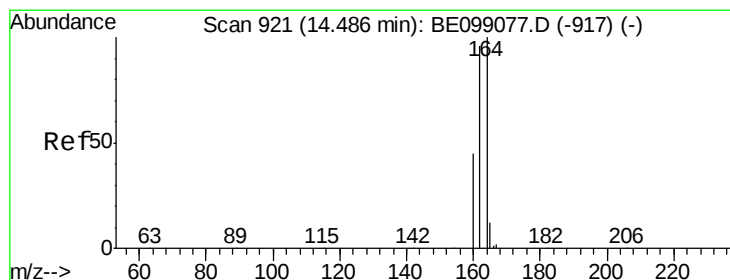
2000

0

12.10 12.20 12.30



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

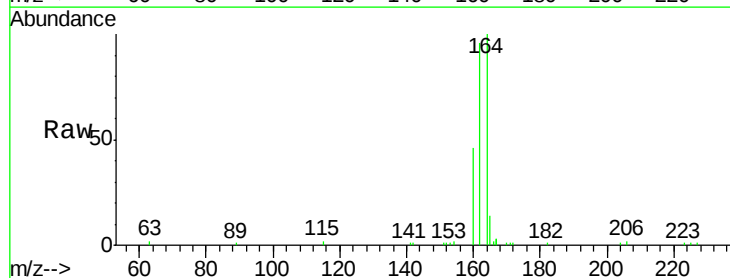
Tgt Ion:164 Resp: 9104

Ion Ratio Lower Upper

164 100

162 96.3 80.2 120.2

160 45.6 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

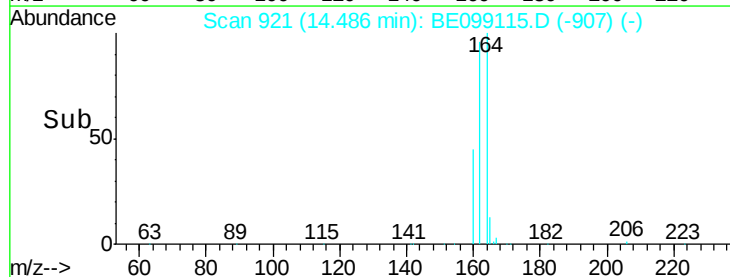
6000

4000

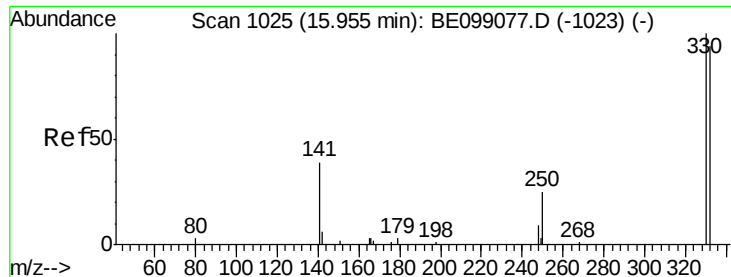
2000

0

14.40 14.50



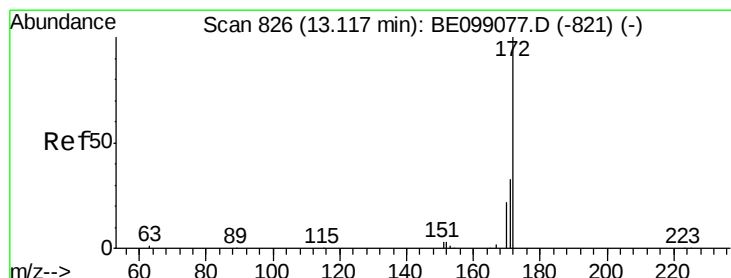
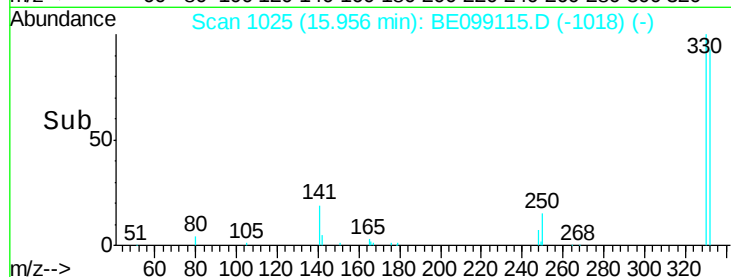
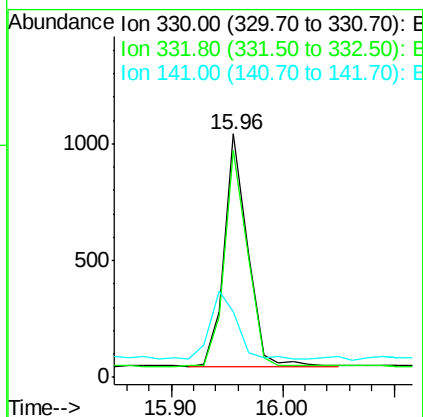
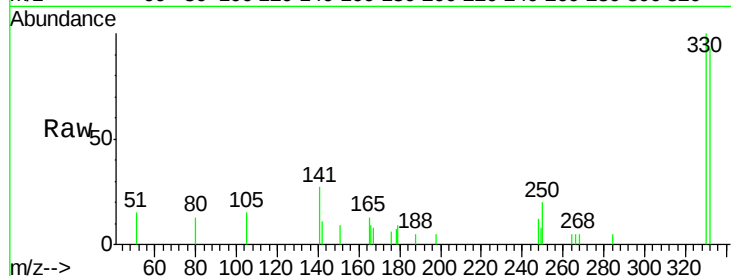
Time-->



#14
 2,4,6-Tribromophenol
 Concen: 0.547 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099115.D
 Acq: 23 Mar 2019 17:03

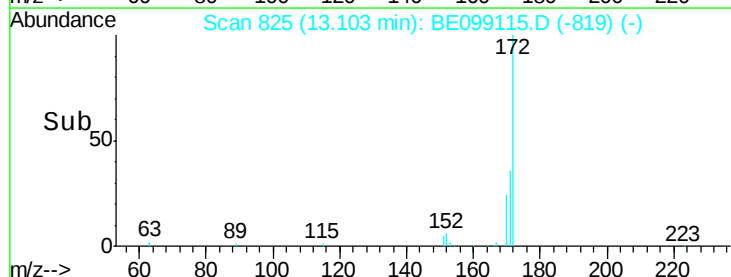
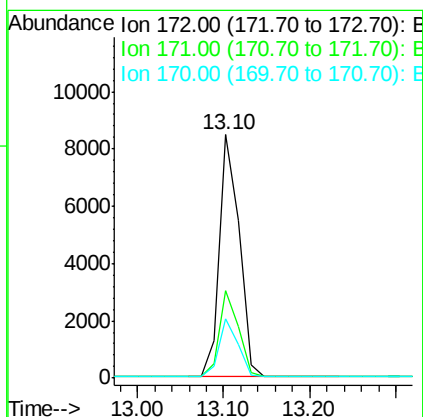
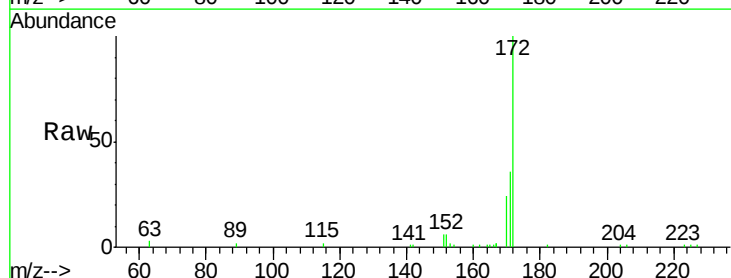
Instrument :
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 PST-026-SW082-031919

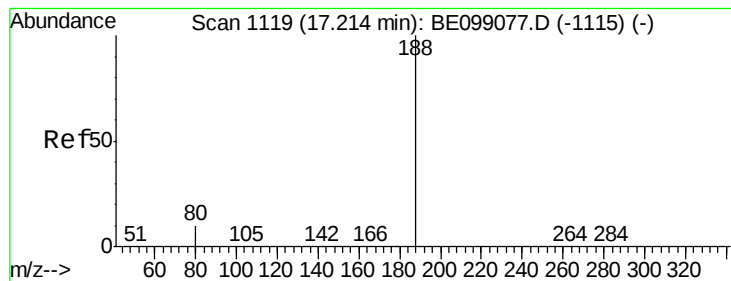
Tgt Ion: 330 Resp: 1463
 Ion Ratio Lower Upper
 330 100
 332 91.3 77.6 116.4
 141 33.6 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.373 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BE099115.D
 Acq: 23 Mar 2019 17:03

Tgt Ion: 172 Resp: 13513
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.0 42.0
 170 24.1 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: BE099115.D

Acq: 23 Mar 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

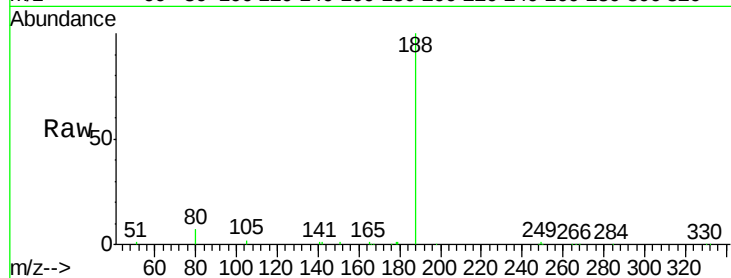
Tgt Ion:188 Resp: 24705

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

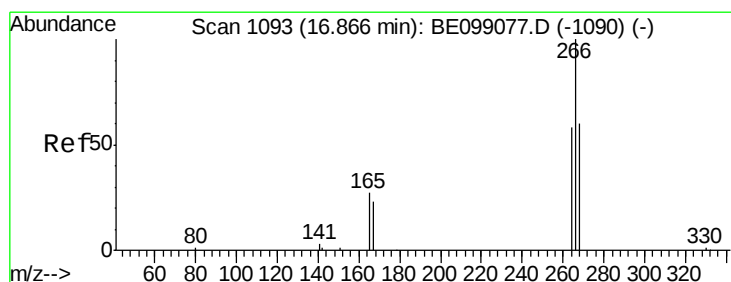
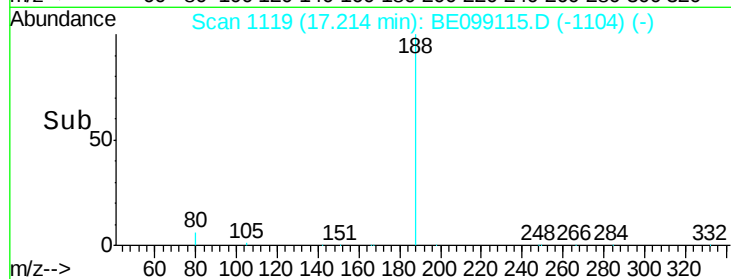
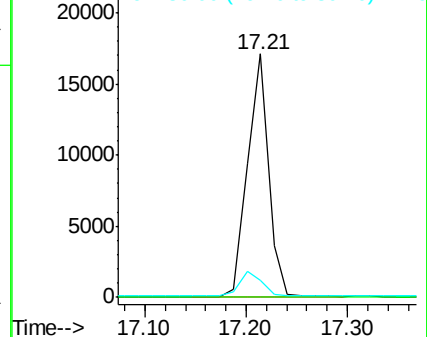
80 7.1 6.3 9.5



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: 0.255 ng

RT: 16.83 min Scan# 1090

Delta R.T. -0.04 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

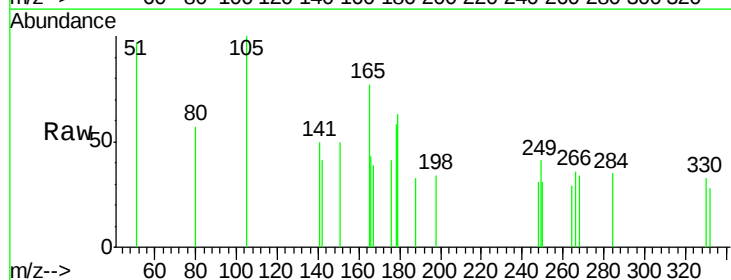
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 81.0 66.6 100.0

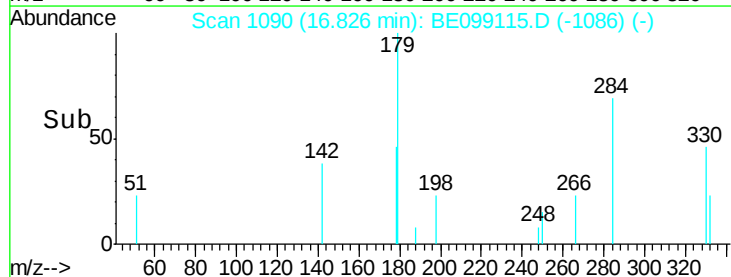
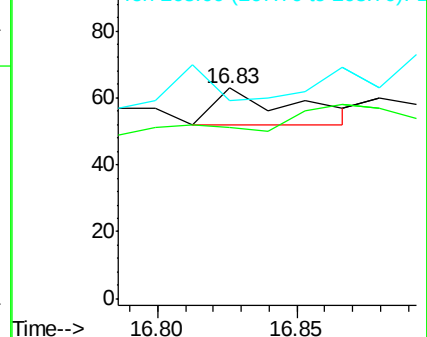
268 93.7 69.8 104.8

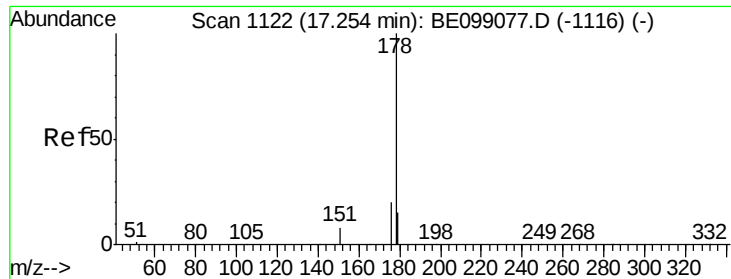


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.094 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

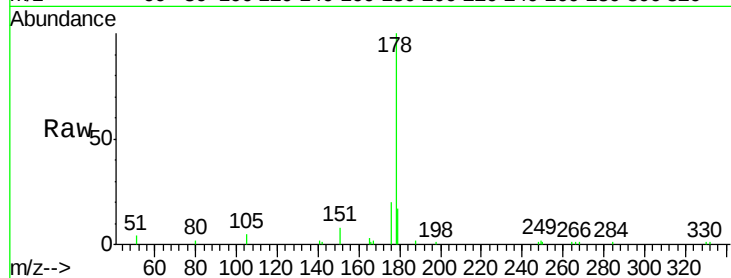
Tgt Ion:178 Resp: 6927

Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

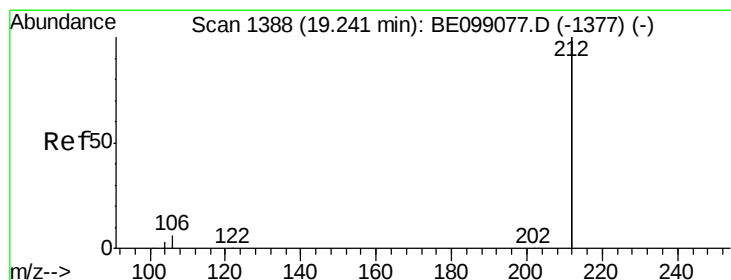
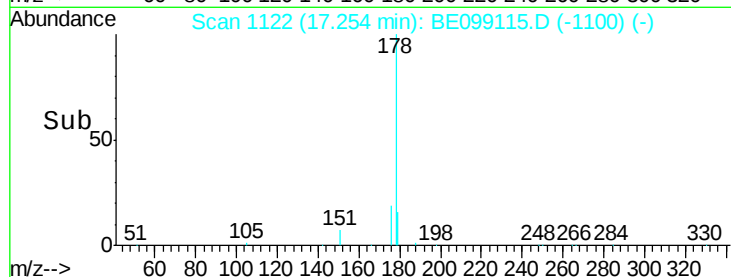
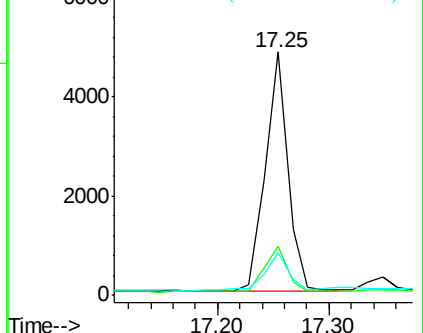
179 16.8 12.1 18.1



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: 0.367 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

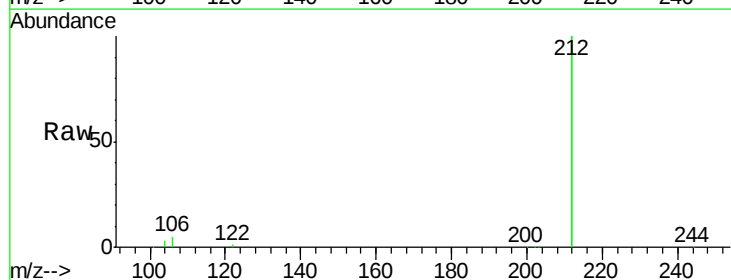
Tgt Ion:212 Resp: 121017

Ion Ratio Lower Upper

212 100

106 2.6 1.8 2.8

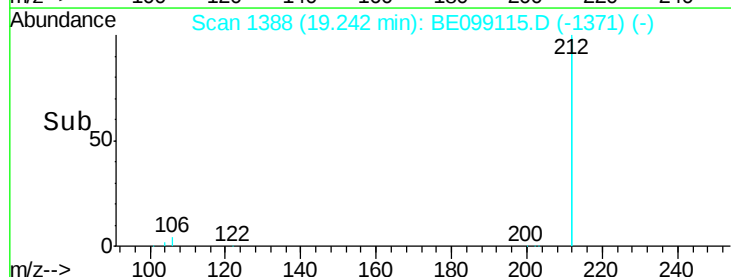
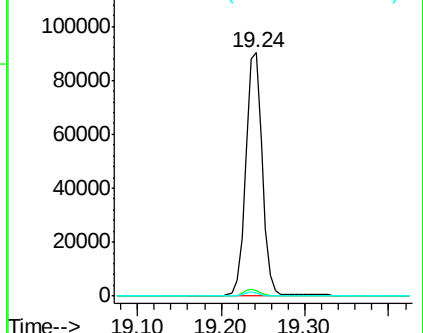
104 1.5 1.0 1.6

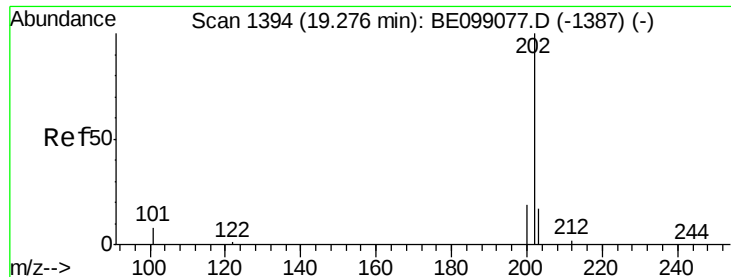


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

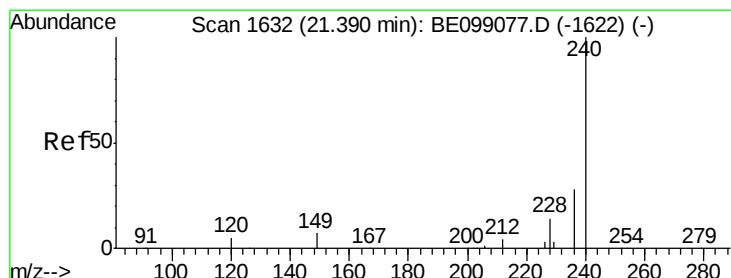
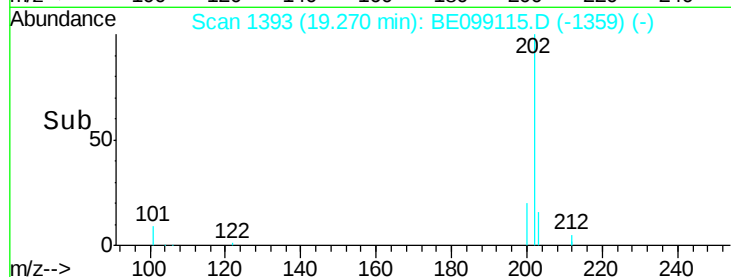
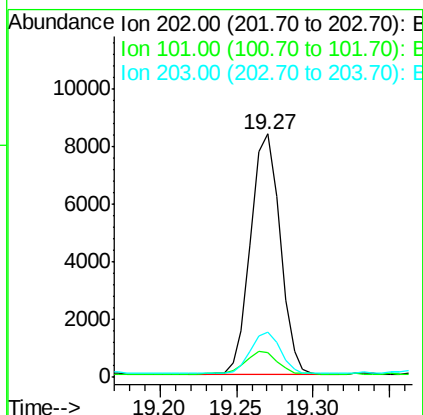
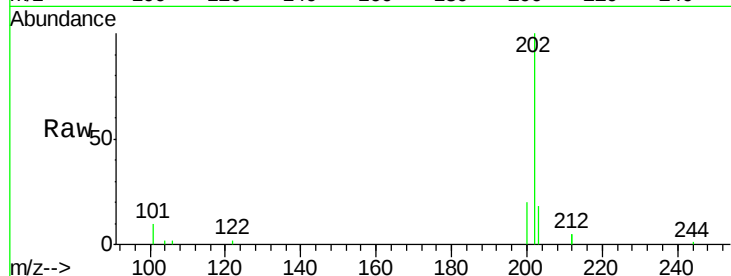




#26
Fluoranthene
Concen: 0.109 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099115.D
Acq: 23 Mar 2019 17:03

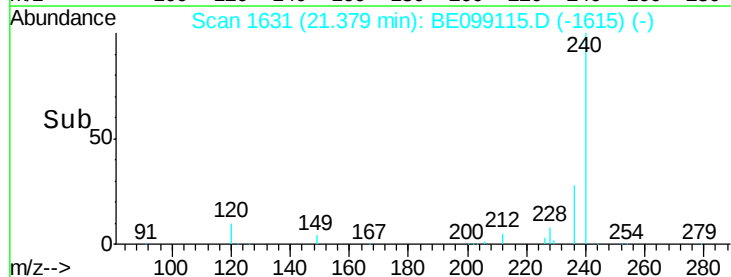
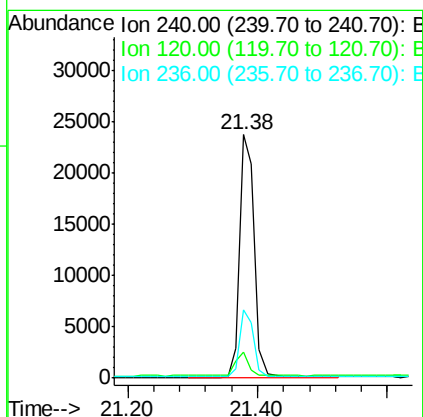
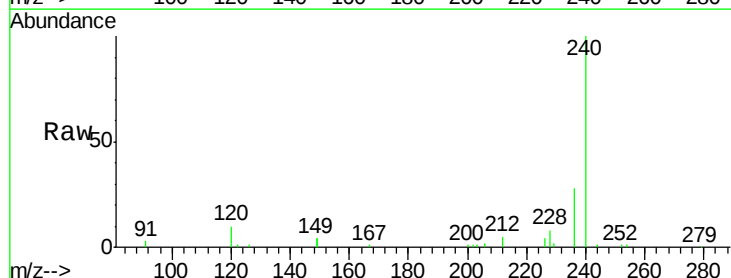
Instrument :
BNA_E
ClientSampleId :
PST-026-SW082-031919

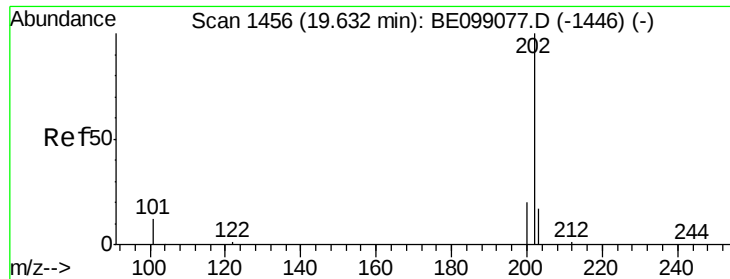
Tgt Ion:202 Resp: 11241
Ion Ratio Lower Upper
202 100
101 11.5 7.3 10.9#
203 17.3 13.4 20.2



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE099115.D
Acq: 23 Mar 2019 17:03

Tgt Ion:240 Resp: 37177
Ion Ratio Lower Upper
240 100
120 10.5 5.0 7.4#
236 28.3 22.7 34.1





#28

Pyrene

Concen: 0.098 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

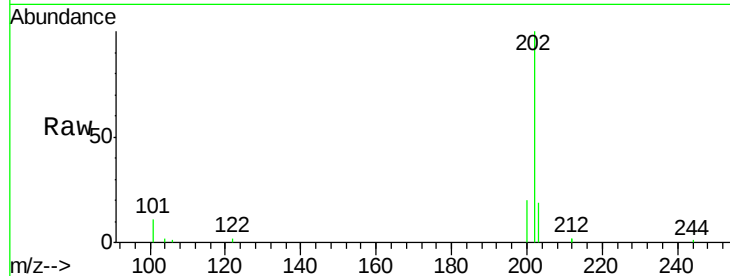
Tgt Ion:202 Resp: 12341

Ion Ratio Lower Upper

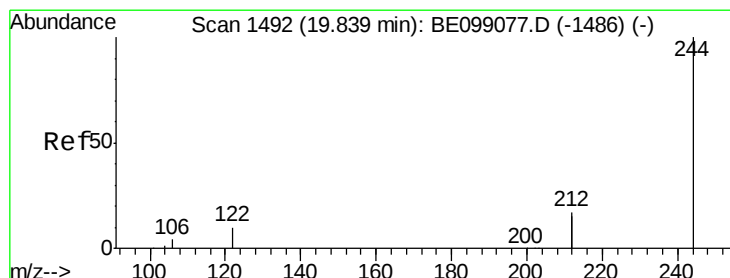
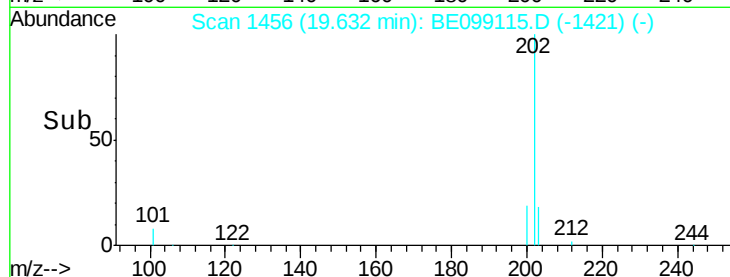
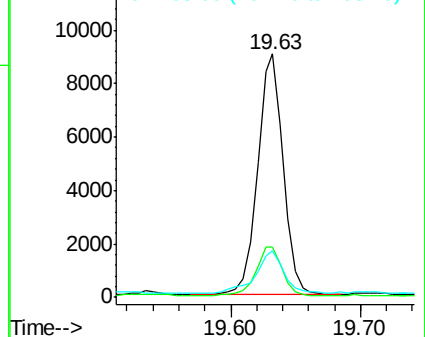
202 100

200 20.6 17.0 25.6

203 19.9 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: 0.297 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

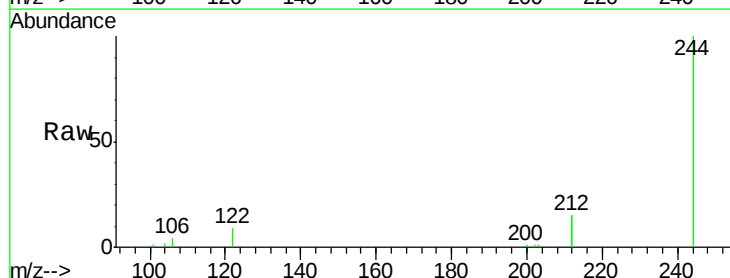
Tgt Ion:244 Resp: 23363

Ion Ratio Lower Upper

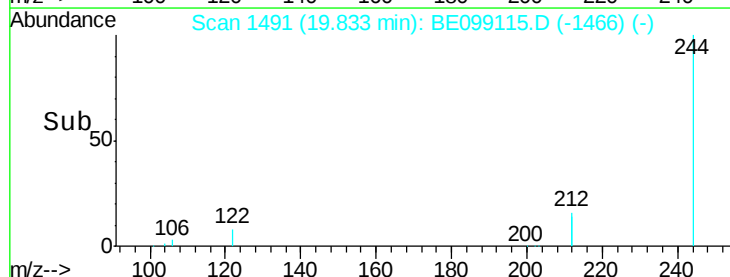
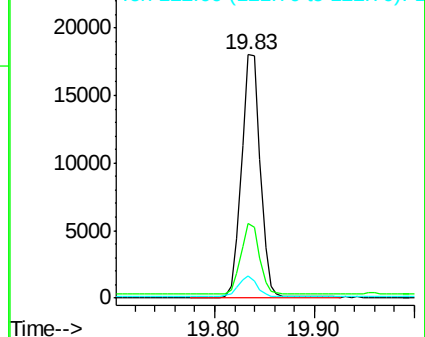
244 100

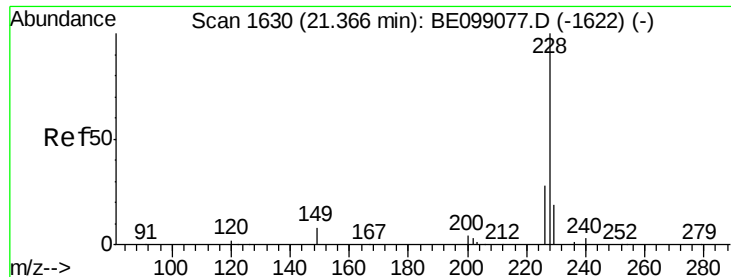
212 30.9 29.4 44.2

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: 0.050 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

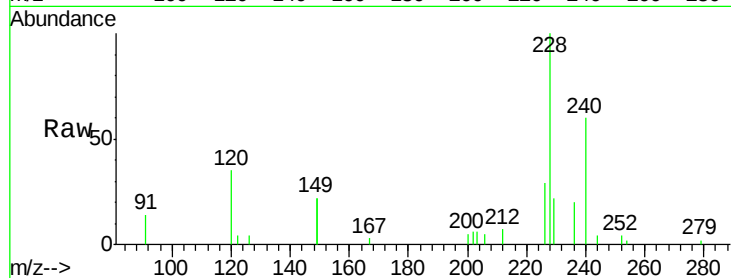
Tgt Ion:228 Resp: 6538

Ion Ratio Lower Upper

228 100

226 29.5 23.0 34.4

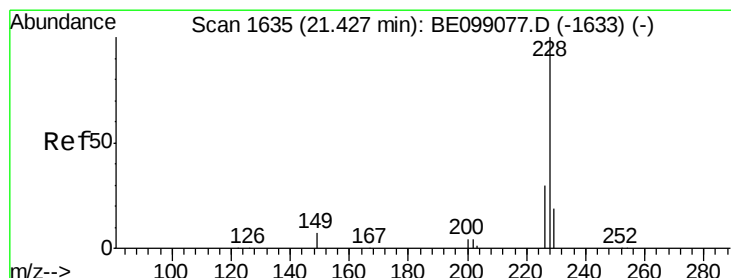
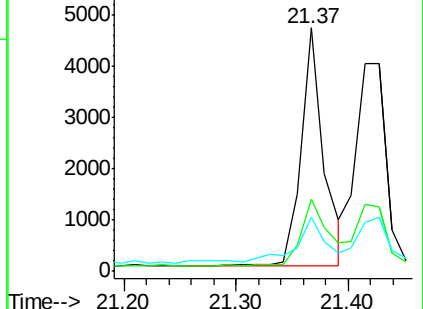
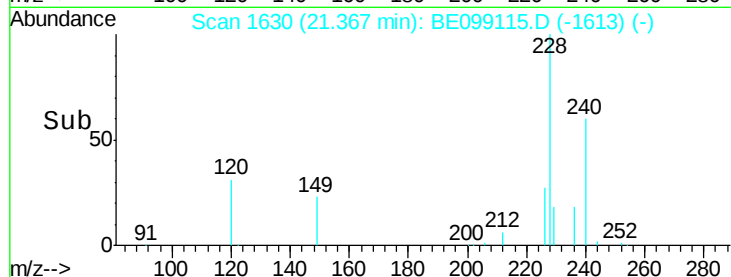
229 22.3 16.5 24.7



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: 0.055 ng

RT: 21.42 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

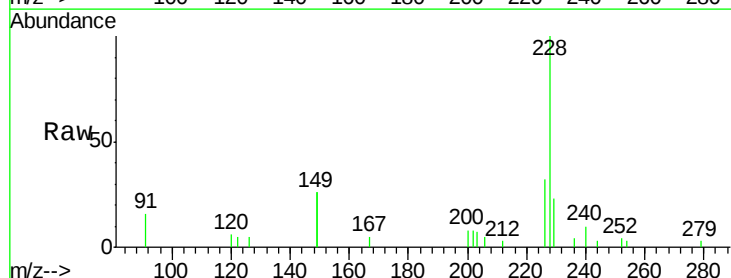
Tgt Ion:228 Resp: 7243

Ion Ratio Lower Upper

228 100

226 32.0 23.7 35.5

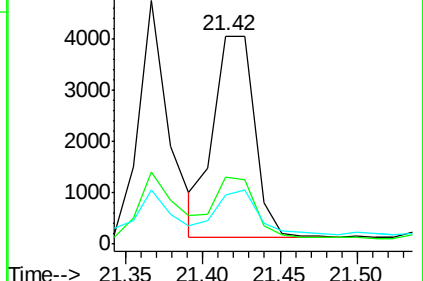
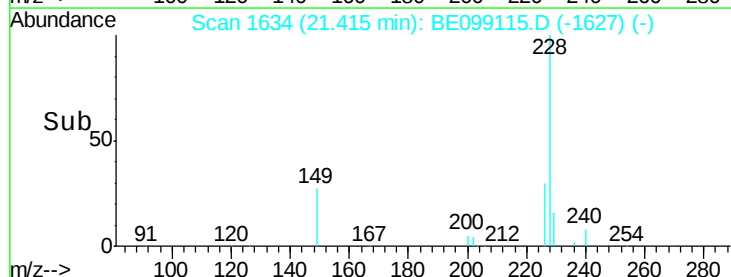
229 23.3 16.1 24.1

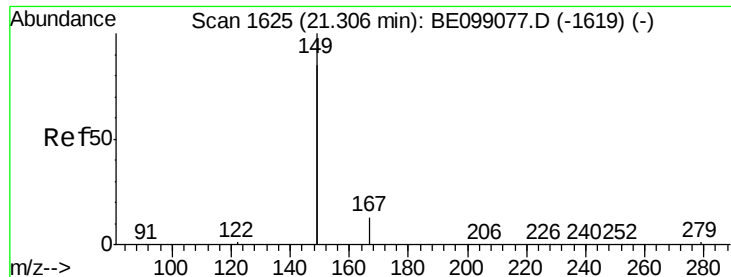


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.164 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

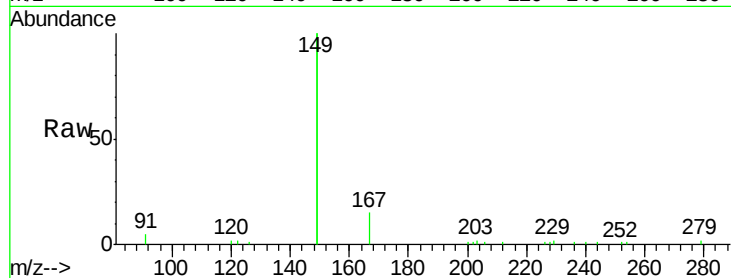
Tgt Ion:149 Resp: 27878

Ion Ratio Lower Upper

149 100

167 7.8 5.4 8.0

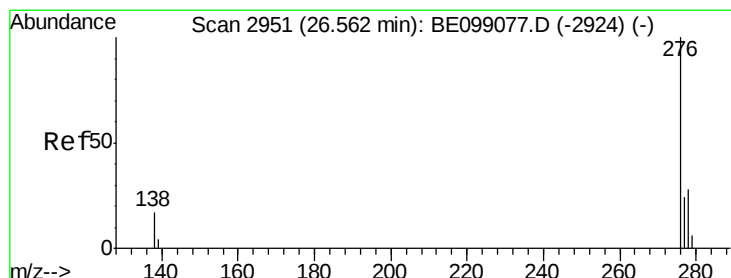
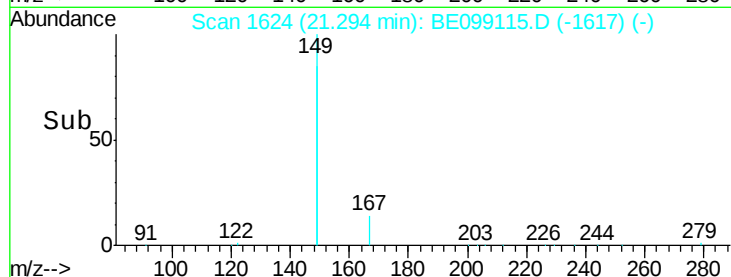
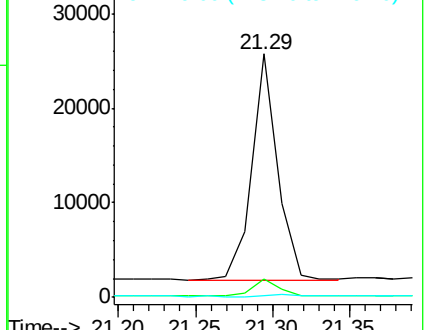
279 1.2 1.0 1.4



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: 0.027 ng

RT: 26.54 min Scan# 2946

Delta R.T. -0.02 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

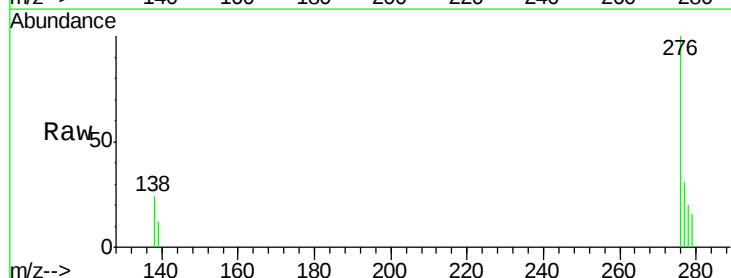
Tgt Ion:276 Resp: 3737

Ion Ratio Lower Upper

276 100

138 10.2 13.8 20.8#

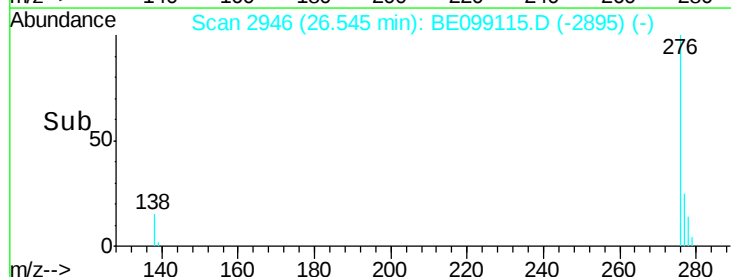
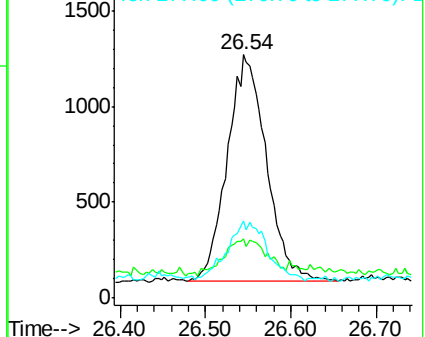
277 13.0 19.5 29.3#

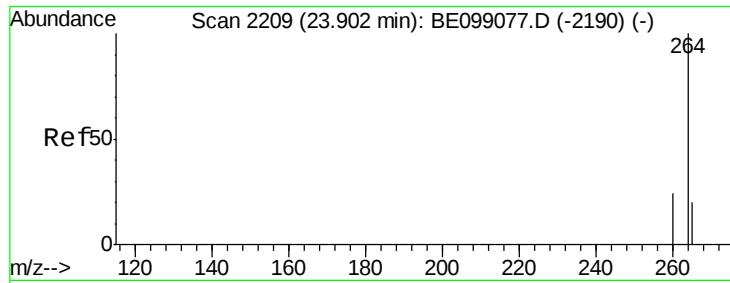


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

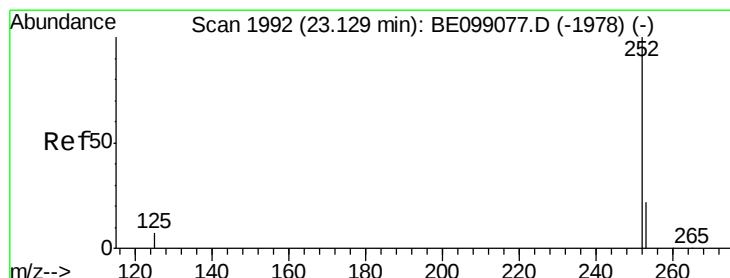
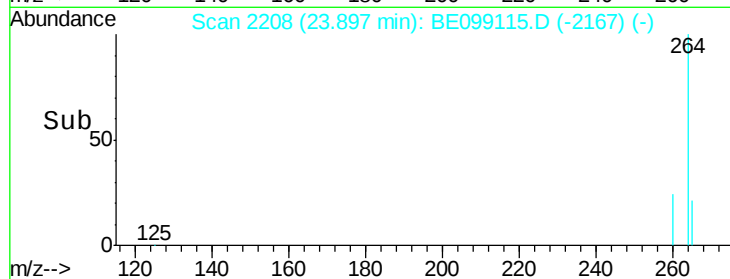
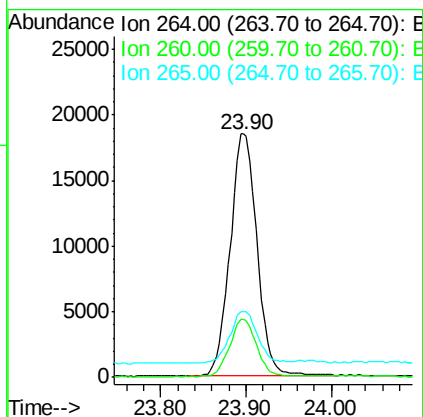
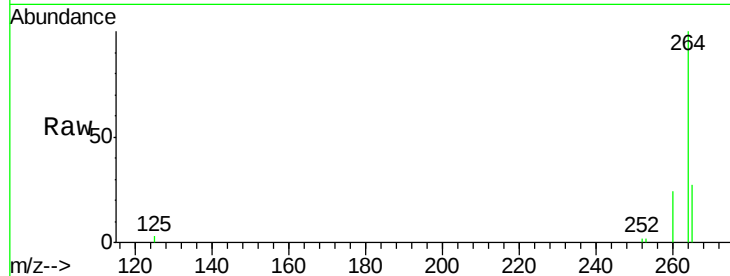




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE099115.D
 Acq: 23 Mar 2019 17:03

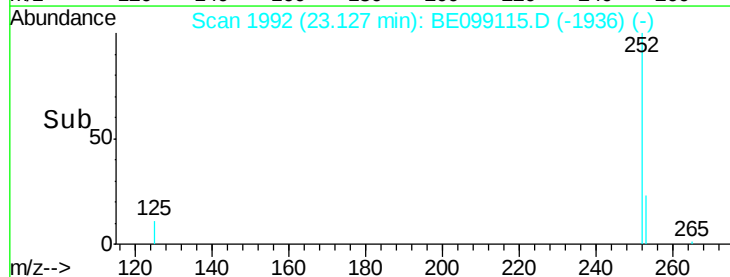
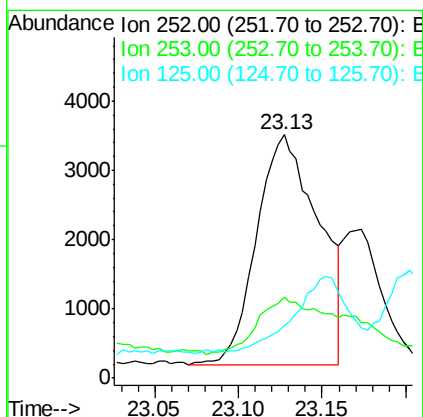
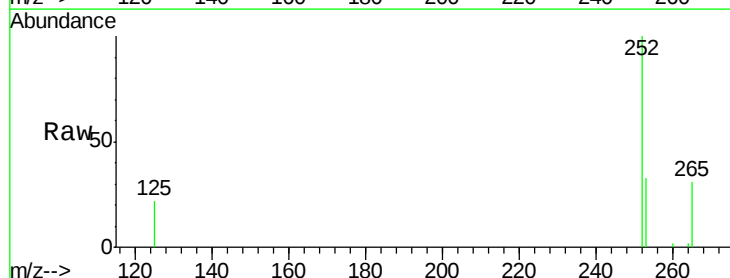
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW082-031919

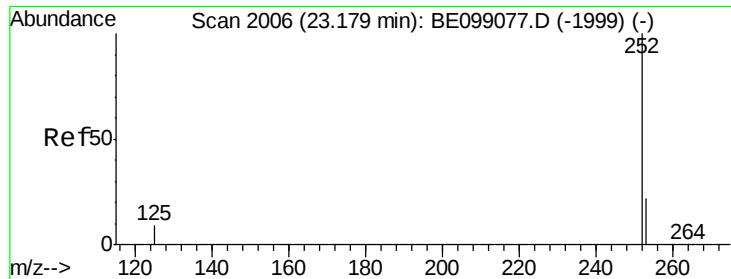
Tgt Ion: 264 Resp: 40671
 Ion Ratio Lower Upper
 264 100
 260 23.9 21.2 31.8
 265 26.7 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.061 ng
 RT: 23.13 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: BE099115.D
 Acq: 23 Mar 2019 17:03

Tgt Ion: 252 Resp: 8536
 Ion Ratio Lower Upper
 252 100
 253 33.1 18.2 27.2#
 125 21.5 7.3 10.9#





#36

Benzo(k)fluoranthene

Concen: 0.062 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.05 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

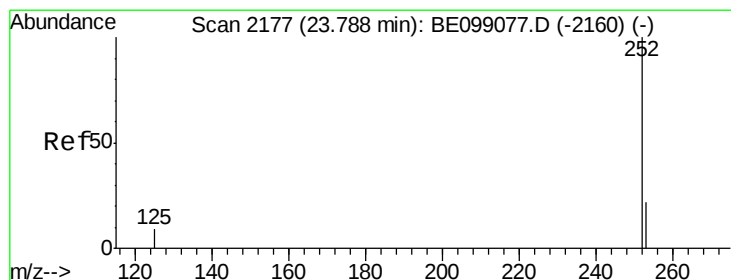
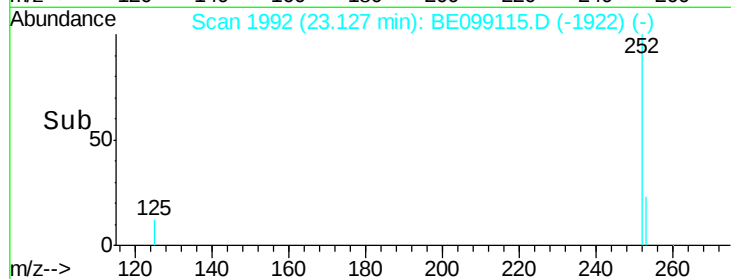
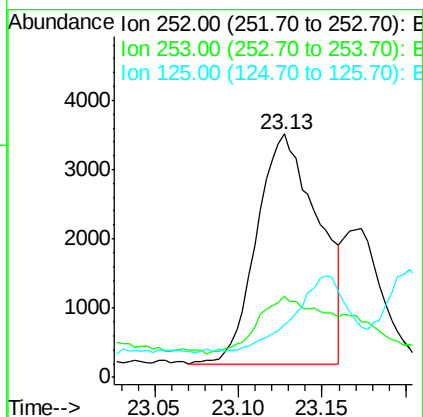
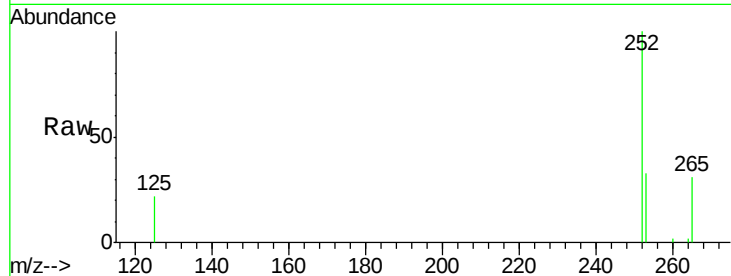
Tgt Ion: 252 Resp: 8536

Ion Ratio Lower Upper

252 100

253 33.1 19.3 28.9#

125 21.5 7.5 11.3#



#37

Benzo(a)pyrene

Concen: 0.045 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

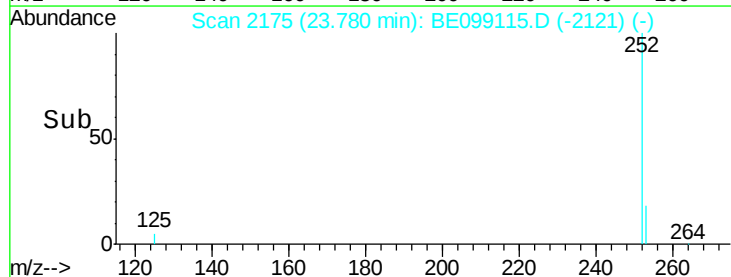
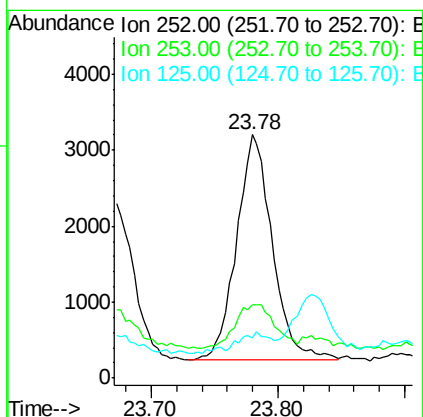
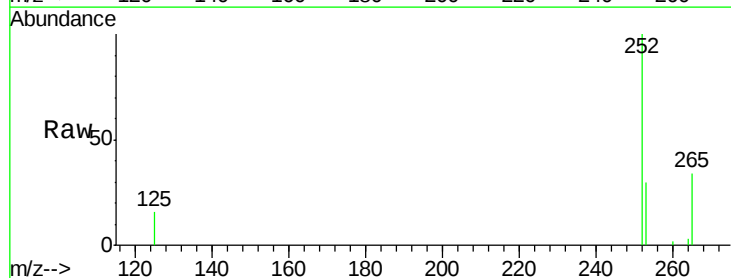
Tgt Ion: 252 Resp: 5830

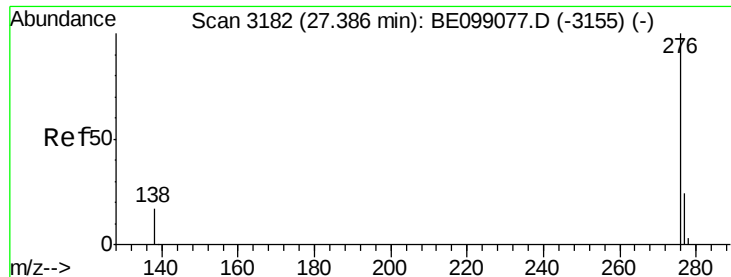
Ion Ratio Lower Upper

252 100

253 29.9 19.9 29.9#

125 16.5 9.0 13.4#





#39

Benzo(g,h,i)perylene

Concen: 0.031 ng

RT: 27.36 min Scan# 3176

Delta R.T. -0.02 min

Lab File: BE099115.D

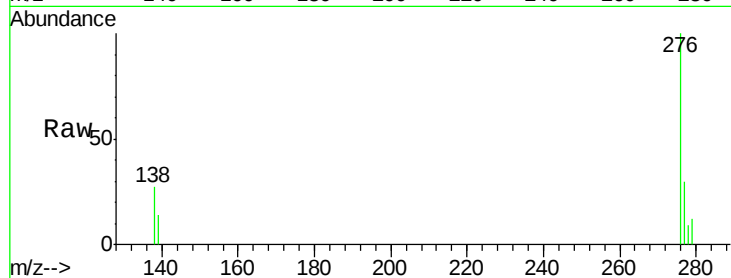
Acq: 23 Mar 2019 17:03

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919



Tgt Ion: 276 Resp: 4062

Ion Ratio Lower Upper

276 100

277 29.7 20.4 30.6

138 26.8 13.6 20.4

