

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099118.D
 Acq On : 23 Mar 2019 18:53
 Operator : JU/SJ
 Sample : K2014-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW043-031919

Quant Time: Mar 23 22:37:07 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	3375	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13781	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9312	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	27197	0.40	ng	0.00
27) Chrysene-d12	21.39	240	39964	0.40	ng	0.00
34) Perylene-d12	23.89	264	43582	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4129	0.41	ng	0.00
5) Phenol-d6	6.99	99	5994	0.41	ng	0.00
8) Nitrobenzene-d5	8.99	82	4019	0.67	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8459	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1641	0.60	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13091	0.35	ng	-0.01
25) Fluoranthene-d10	19.24	212	133486	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	25420	0.30	ng	0.00

Target Compounds

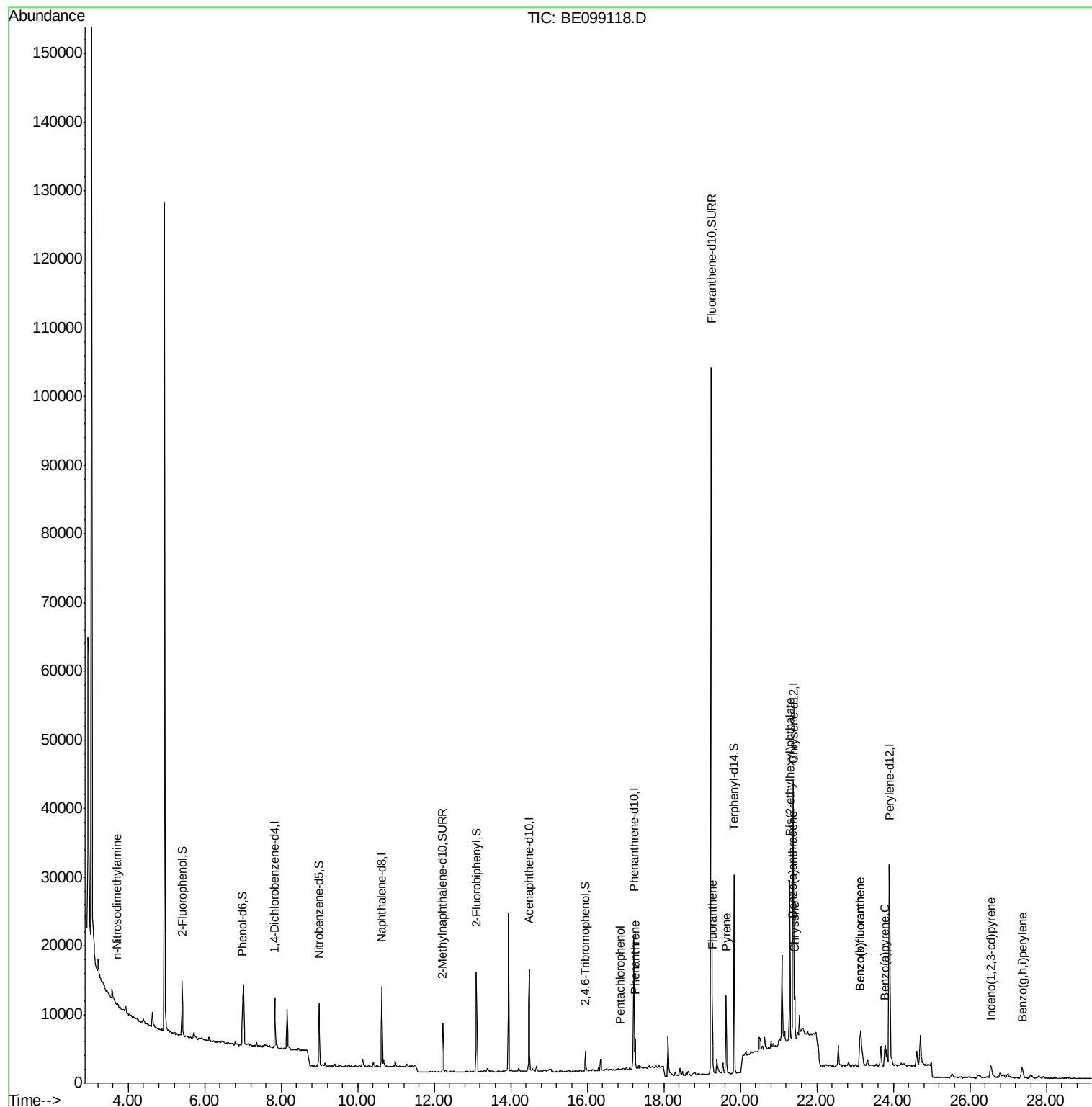
						Qvalue
3) n-Nitrosodimethylamine	3.70	42	131	0.048	ng	# 1
22) Pentachlorophenol	16.85	266	65	0.263	ng	93
23) Phenanthrene	17.26	178	4464	0.055	ng	95
26) Fluoranthene	19.27	202	9406	0.083	ng	# 93
28) Pyrene	19.63	202	10342	0.076	ng	97
30) Benzo(a)anthracene	21.37	228	5440	0.039	ng	# 90
31) Chrysene	21.43	228	6572	0.047	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.29	149	25335	0.139	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	3848	0.025	ng	# 86
35) Benzo(b)fluoranthene	23.13	252	8159	0.054	ng	# 70
36) Benzo(k)fluoranthene	23.13	252	8159	0.055	ng	# 73
37) Benzo(a)pyrene	23.78	252	5550	0.040	ng	# 77
39) Benzo(g,h,i)perylene	27.37	276	3952	0.028	ng	# 89

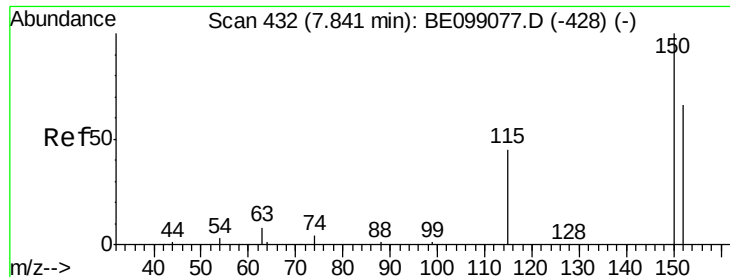
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

ClientSampleId :

PST-026-SW043-031919

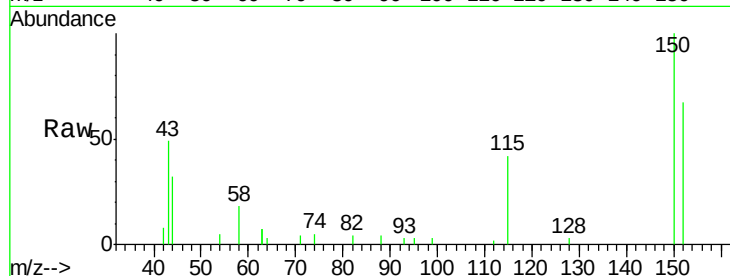
Tgt Ion: 152 Resp: 3375

Ion Ratio Lower Upper

152 100

150 148.8 122.5 183.7

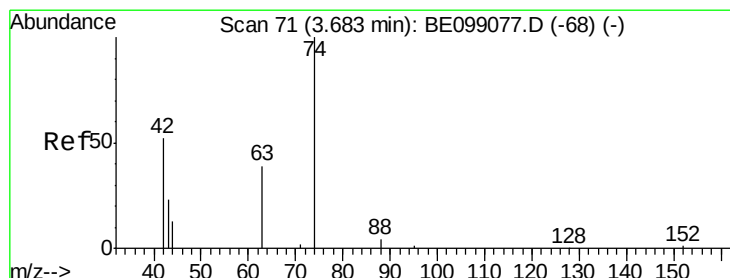
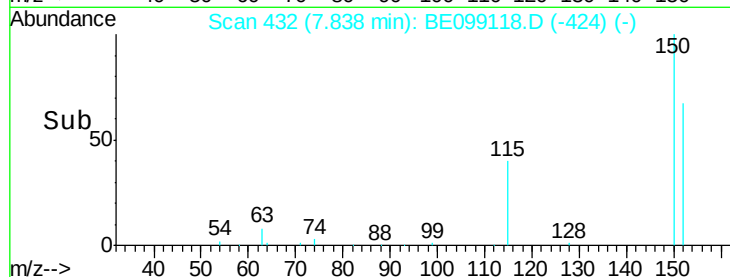
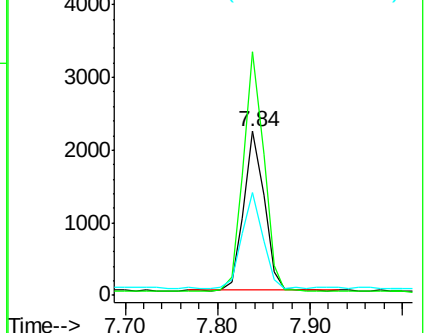
115 62.8 57.4 86.2



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: 0.048 ng

RT: 3.70 min Scan# 73

Delta R.T. 0.02 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

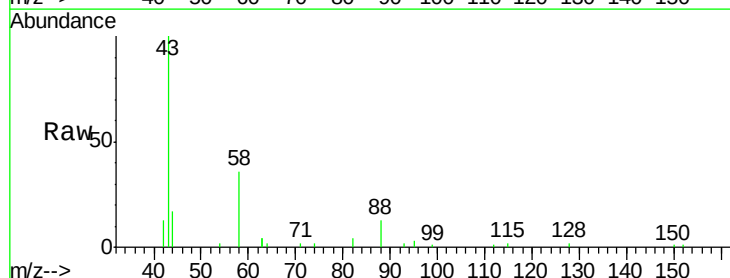
Tgt Ion: 42 Resp: 131

Ion Ratio Lower Upper

42 100

74 0.0 160.0 240.0#

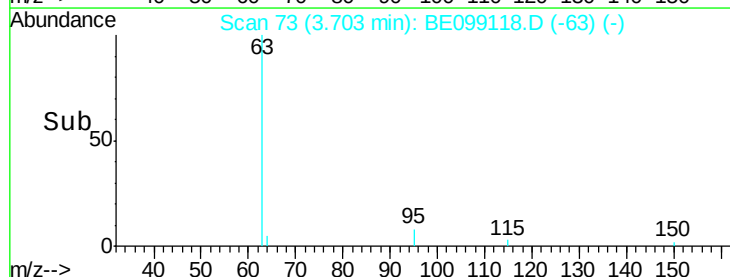
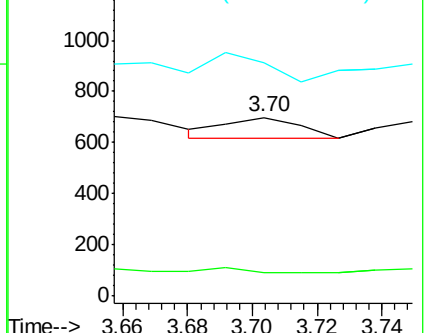
44 100.0 0.0 0.0#

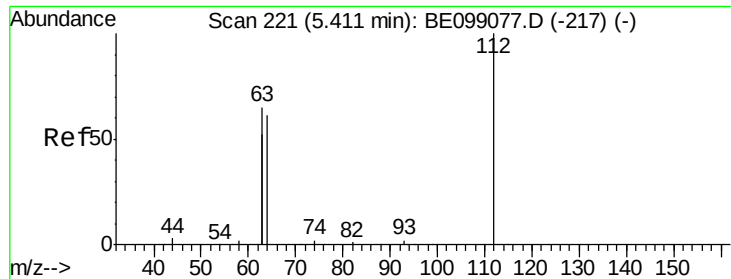


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.411 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

ClientSampleId :

PST-026-SW043-031919

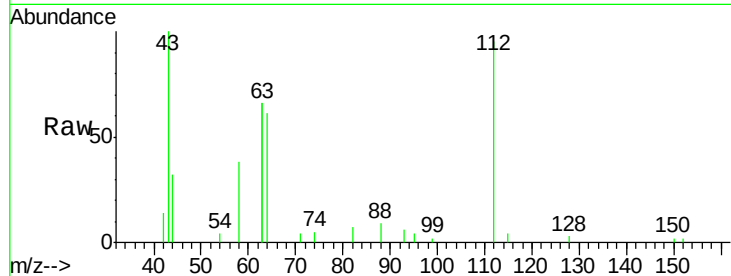
Tgt Ion: 112 Resp: 4129

Ion Ratio Lower Upper

112 100

64 58.5 57.9 86.9

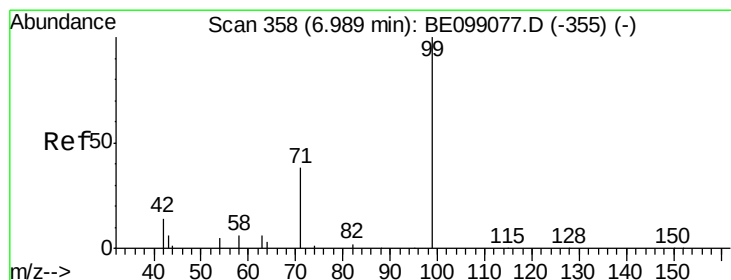
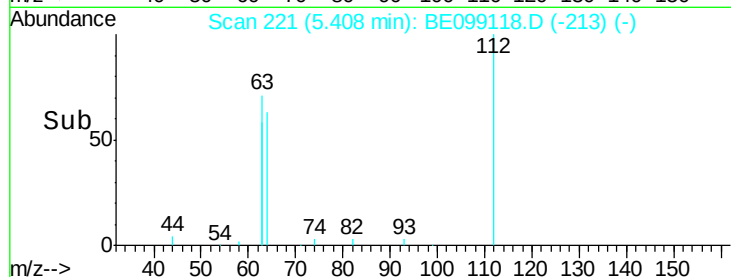
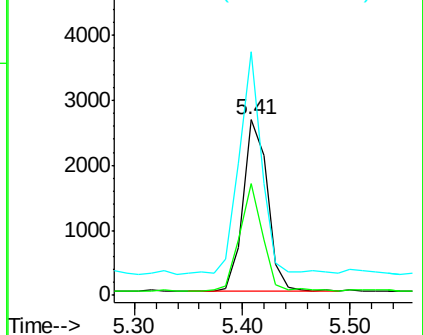
63 118.8 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): BE099118.D (-213) (-)

Ion 64.00 (63.70 to 64.70): BE099118.D (-213) (-)

Ion 63.00 (62.70 to 63.70): BE099118.D (-213) (-)



#5

Phenol-d6

Concen: 0.414 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

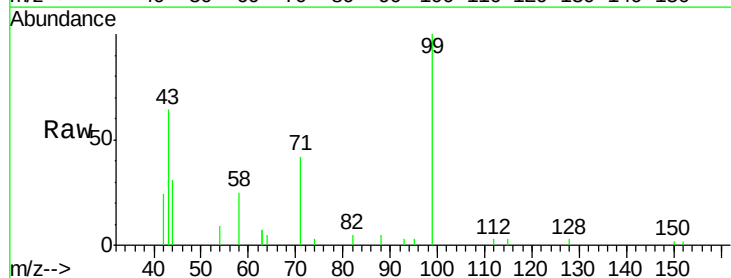
Tgt Ion: 99 Resp: 5994

Ion Ratio Lower Upper

99 100

42 17.9 24.2 36.2#

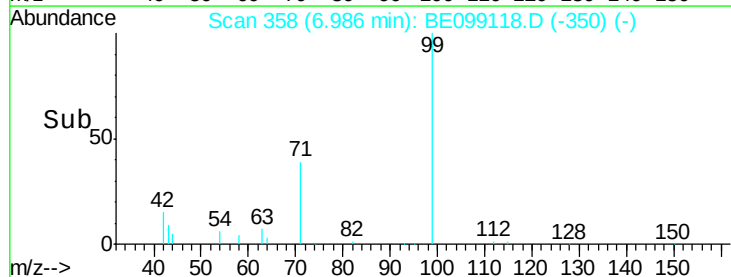
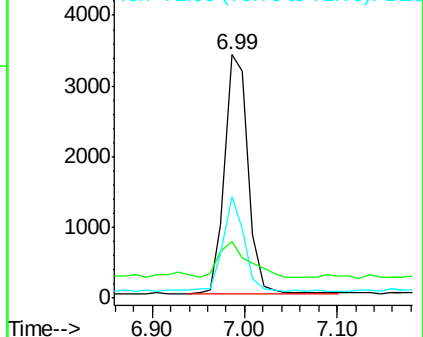
71 36.6 35.7 53.5

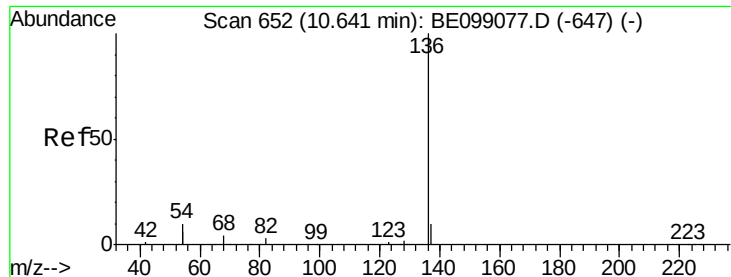


Abundance Ion 99.00 (98.70 to 99.70): BE099118.D (-350) (-)

Ion 42.00 (41.70 to 42.70): BE099118.D (-350) (-)

Ion 71.00 (70.70 to 71.70): BE099118.D (-350) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

ClientSampleId :

PST-026-SW043-031919

Tgt Ion: 136 Resp: 13781

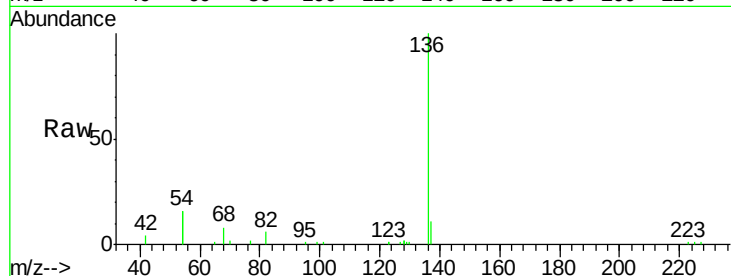
Ion Ratio Lower Upper

136 100

137 10.8 11.4 17.0#

54 31.8 39.3 58.9#

68 8.1 6.7 10.1

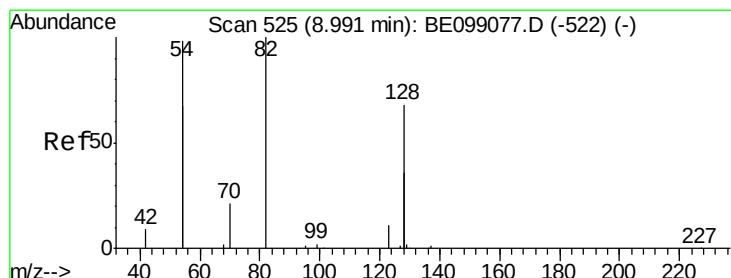
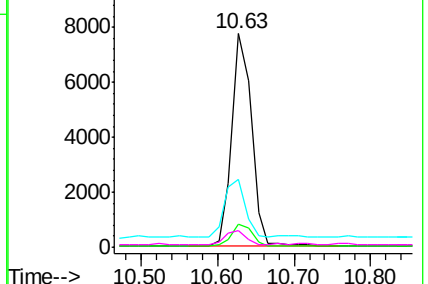
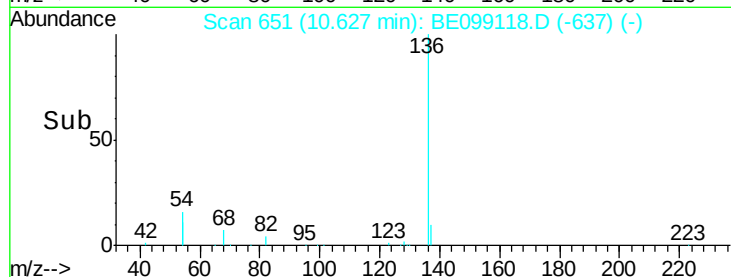


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.667 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

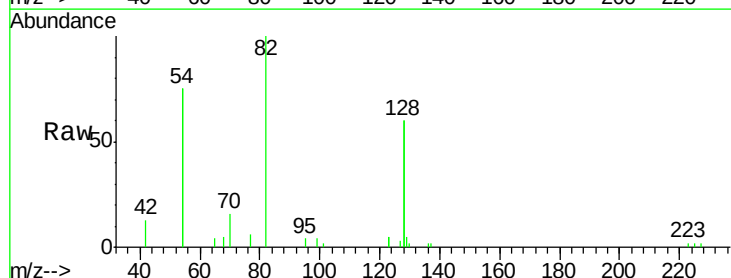
Tgt Ion: 82 Resp: 4019

Ion Ratio Lower Upper

82 100

128 120.7 123.8 185.8#

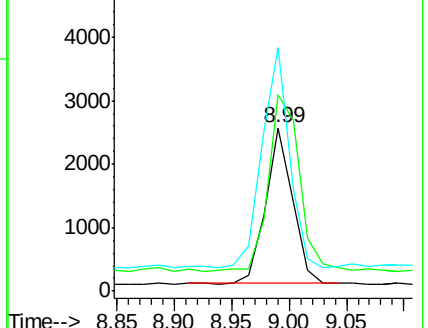
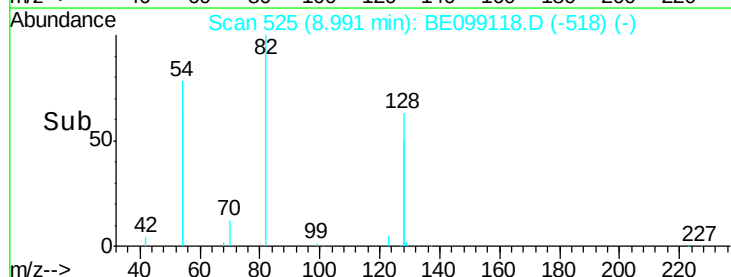
54 149.4 203.4 305.2#

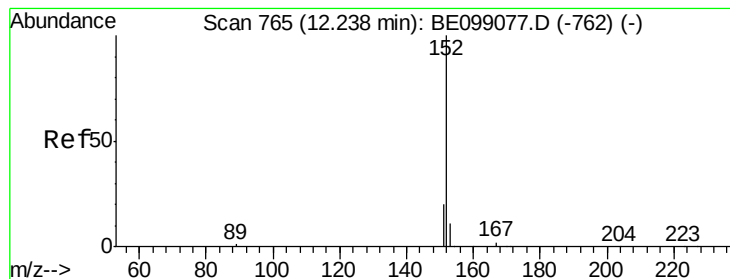


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.341 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

ClientSampleId :

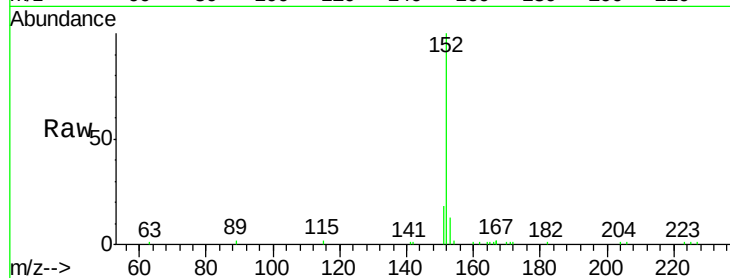
PST-026-SW043-031919

Tgt Ion:152 Resp: 8459

Ion Ratio Lower Upper

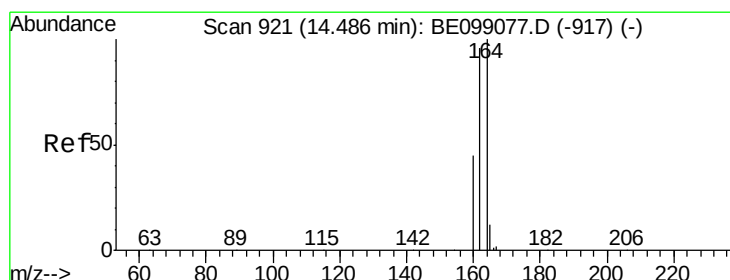
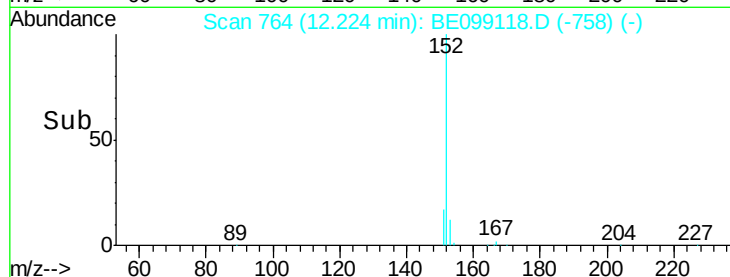
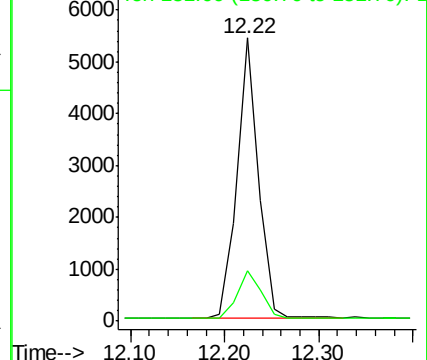
152 100

151 19.3 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: BE099118.D

Acq: 23 Mar 2019 18:53

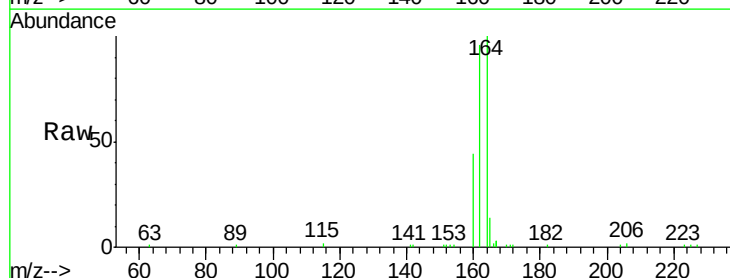
Tgt Ion:164 Resp: 9312

Ion Ratio Lower Upper

164 100

162 95.6 80.2 120.2

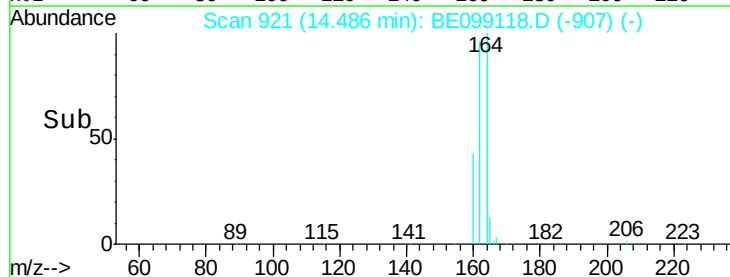
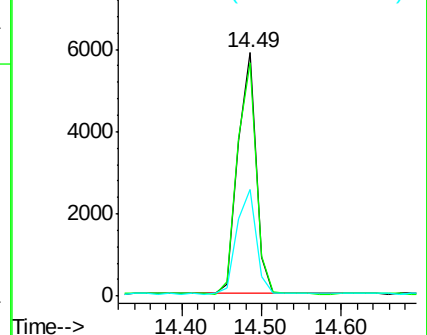
160 43.9 37.8 56.8

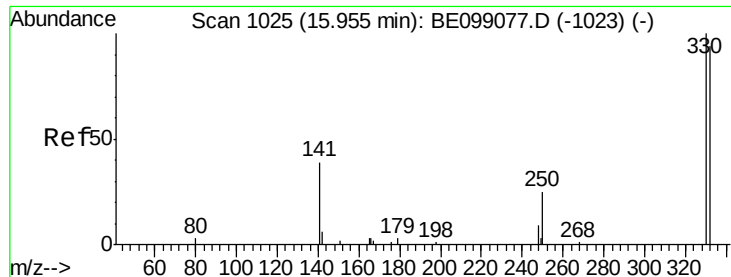


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

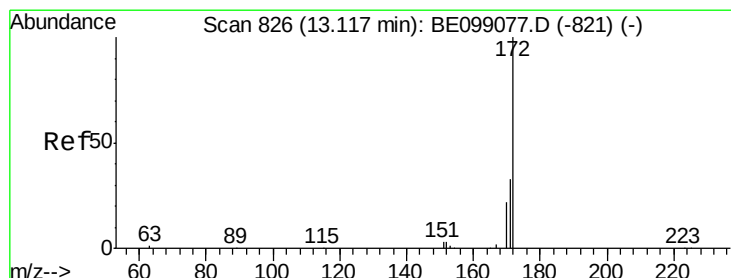
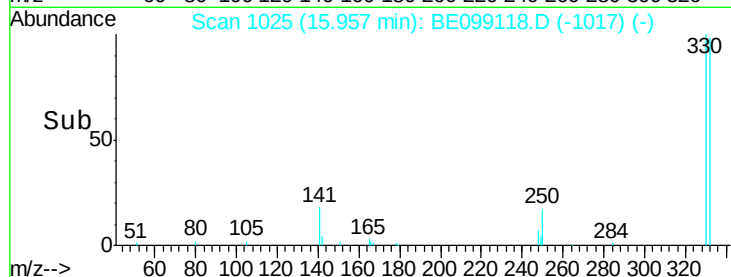
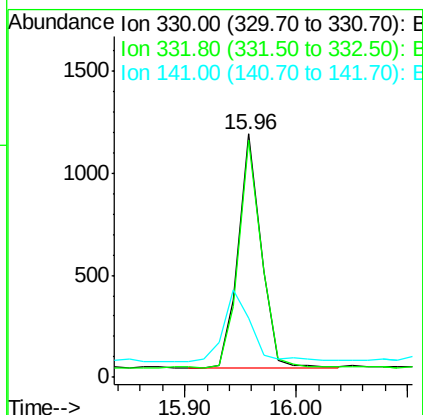
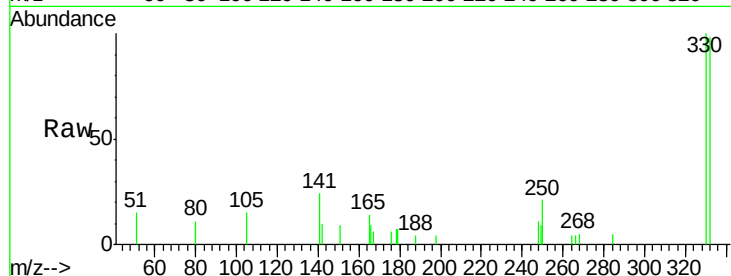




#14
 2,4,6-Tribromophenol
 Concen: 0.599 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099118.D
 Acq: 23 Mar 2019 18:53

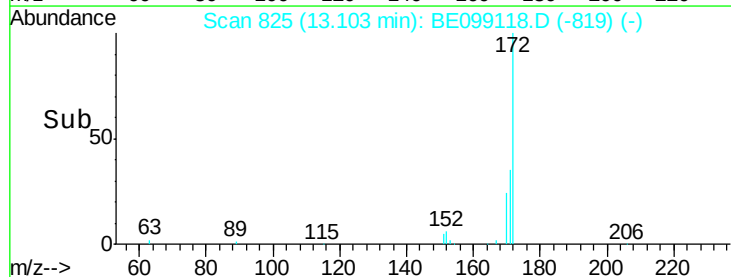
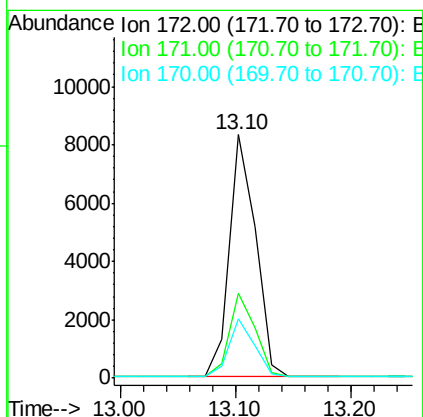
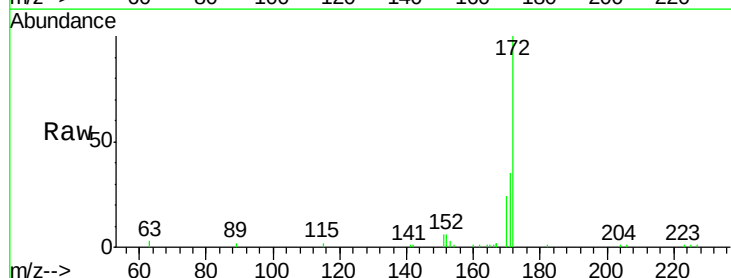
Instrument :
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 PST-026-SW043-031919

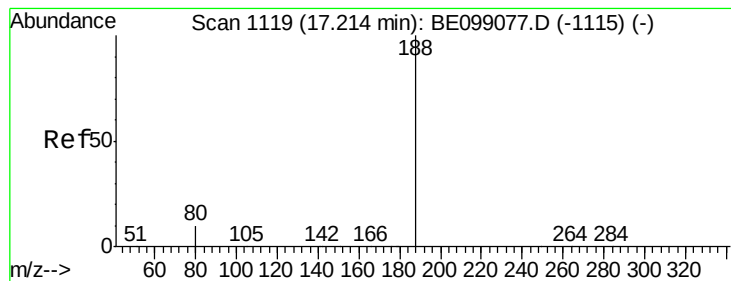
Tgt Ion:330 Resp: 1641
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.6 116.4
 141 37.4 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.353 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BE099118.D
 Acq: 23 Mar 2019 18:53

Tgt Ion:172 Resp: 13091
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.0 42.0
 170 24.2 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: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

ClientSampleId :

PST-026-SW043-031919

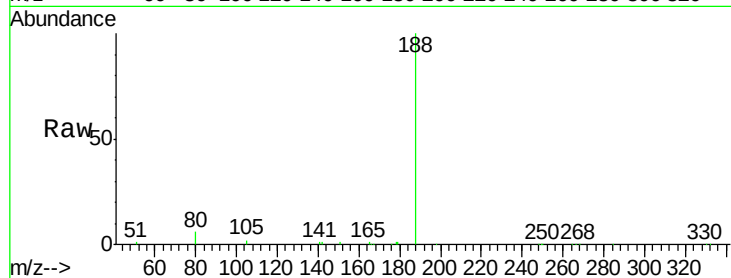
Tgt Ion:188 Resp: 27197

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

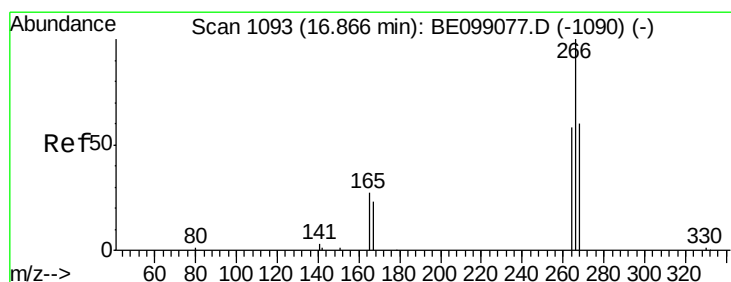
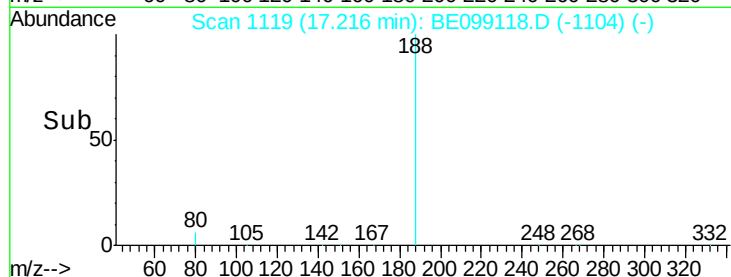
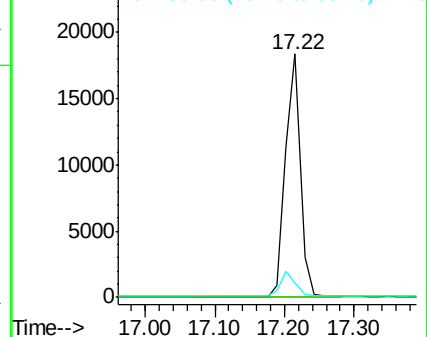
80 6.2 6.3 9.5#



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: 0.263 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

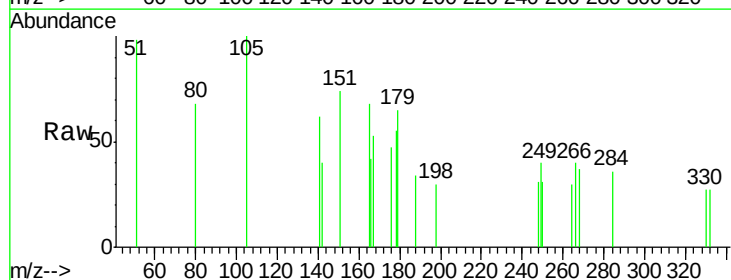
Tgt Ion:266 Resp: 65

Ion Ratio Lower Upper

266 100

264 76.4 66.6 100.0

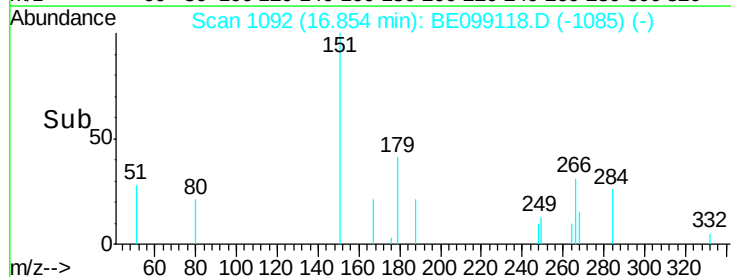
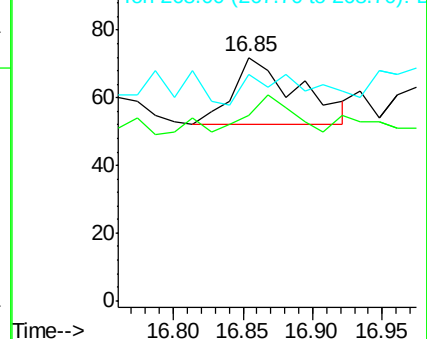
268 93.1 69.8 104.8

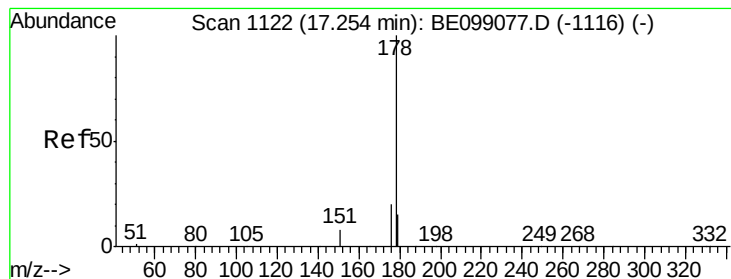


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.055 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

ClientSampleId :

PST-026-SW043-031919

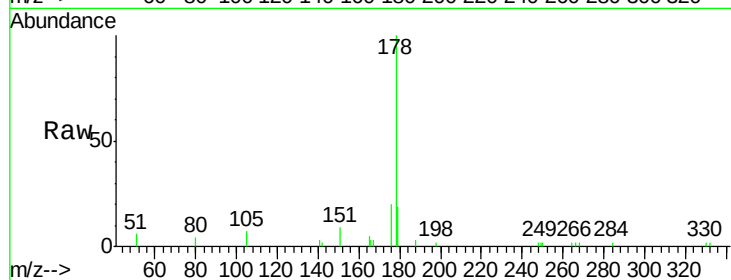
Tgt Ion:178 Resp: 4464

Ion Ratio Lower Upper

178 100

176 18.8 16.0 24.0

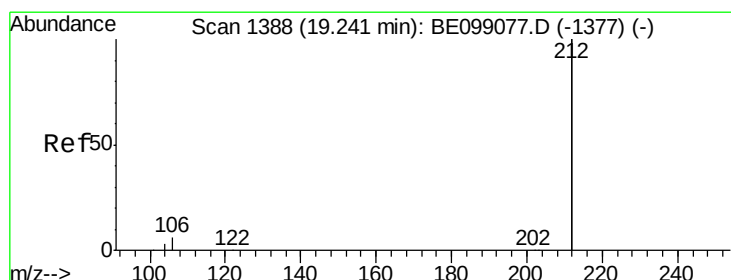
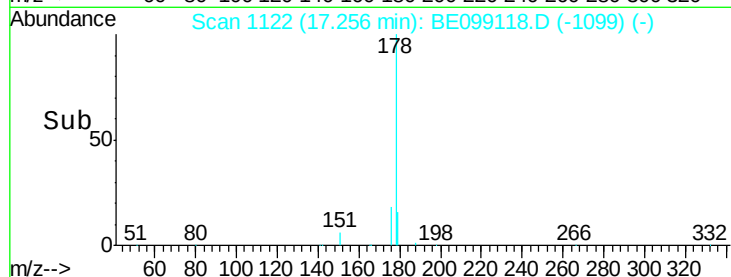
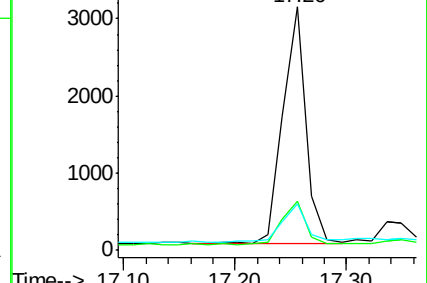
179 18.1 12.1 18.1



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: 0.368 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

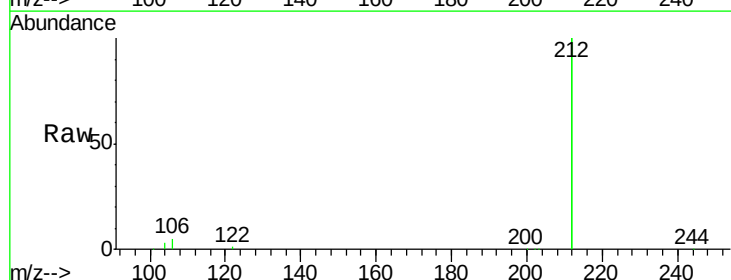
Tgt Ion:212 Resp: 133486

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

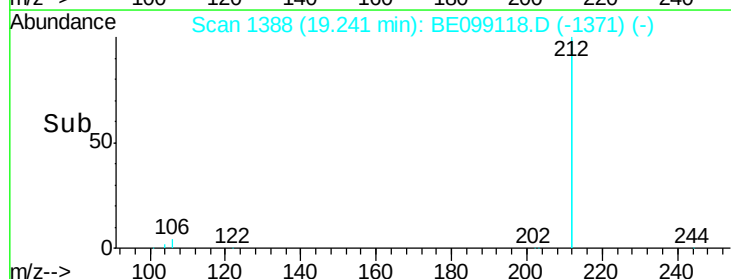
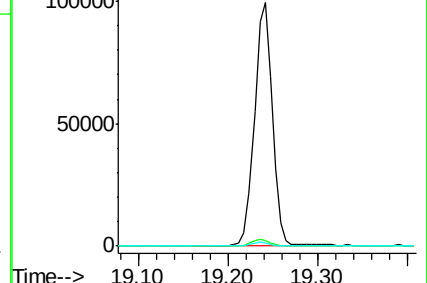
104 1.5 1.0 1.6

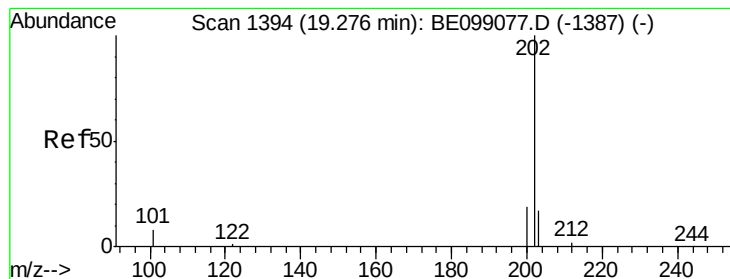


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.083 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

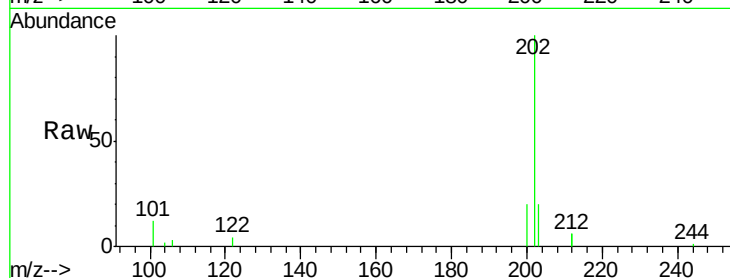
Instrument :

BNA_E

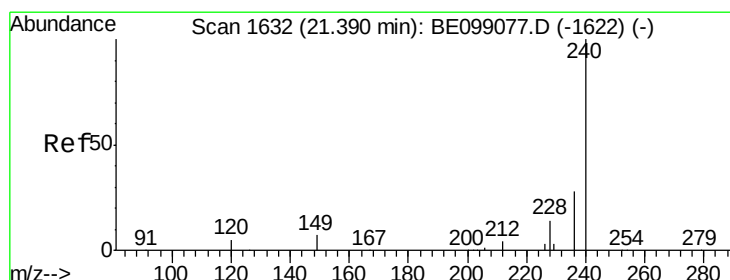
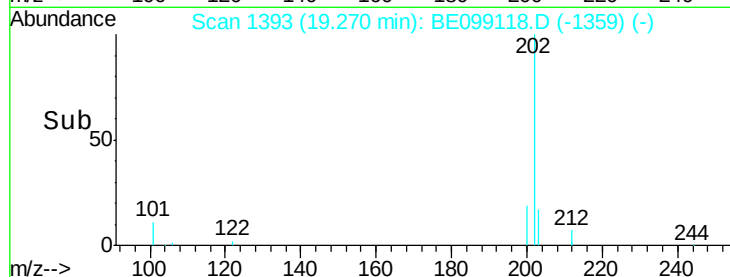
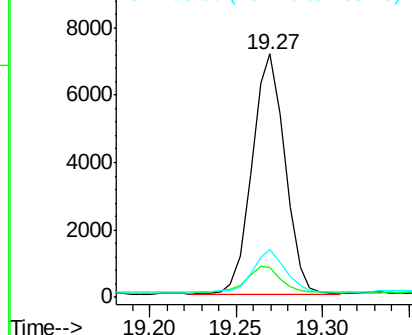
ClientSampleId :

PST-026-SW043-031919

Tgt Ion:	202	Resp:	9406
Ion	Ratio	Lower	Upper
202	100		
101	13.9	7.3	10.9#
203	18.2	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

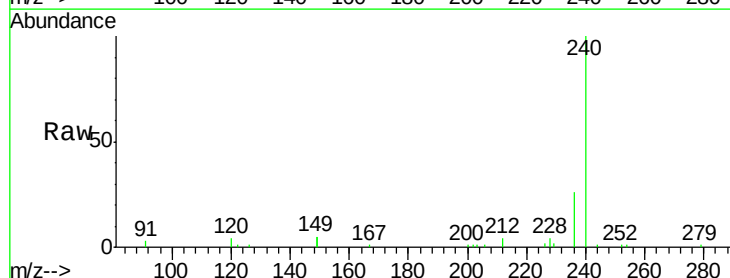
RT: 21.39 min Scan# 1632

Delta R.T. -0.00 min

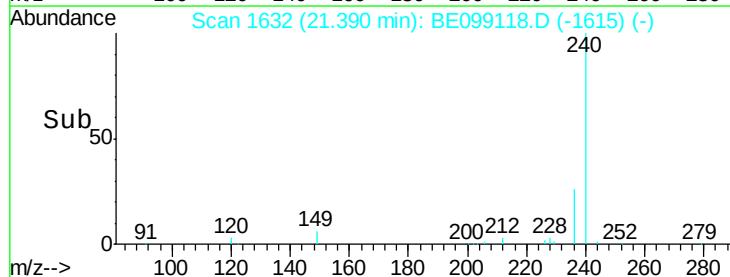
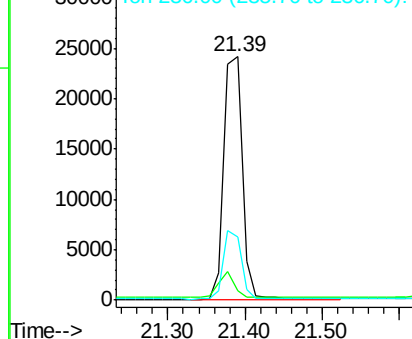
Lab File: BE099118.D

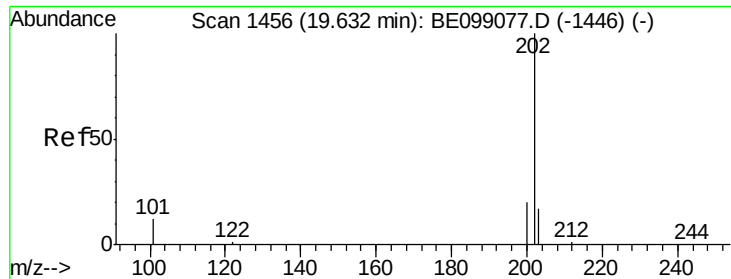
Acq: 23 Mar 2019 18:53

Tgt Ion:	240	Resp:	39964
Ion	Ratio	Lower	Upper
240	100		
120	3.8	5.0	7.4#
236	26.1	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

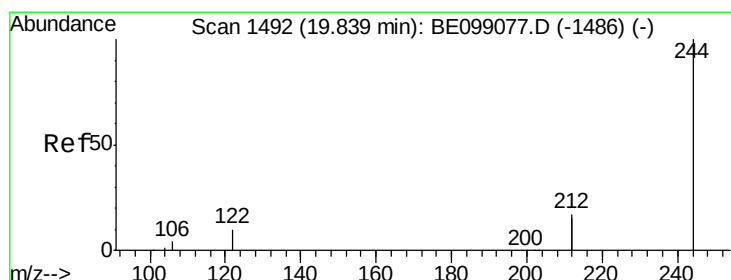
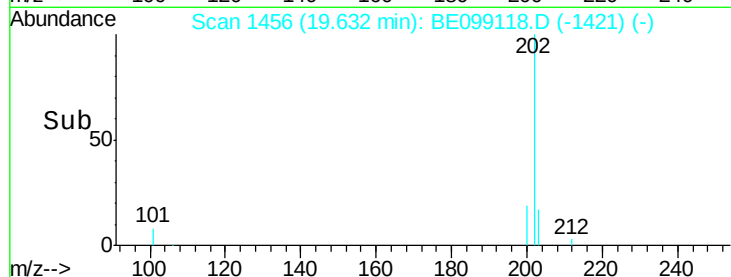
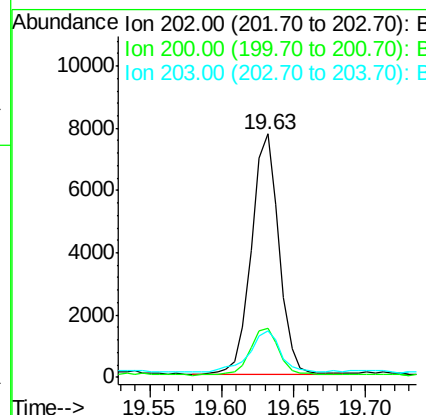
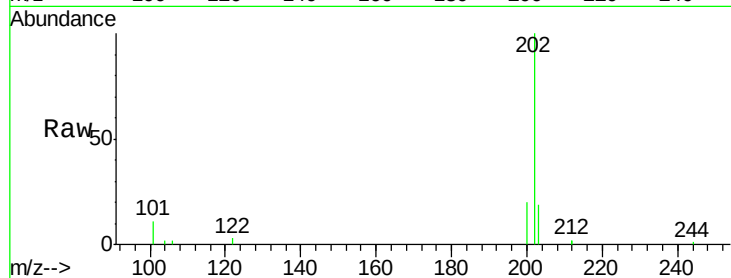




#28
 Pyrene
 Concen: 0.076 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: BE099118.D
 Acq: 23 Mar 2019 18:53

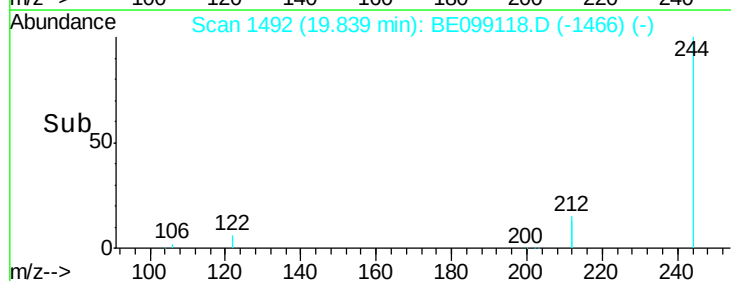
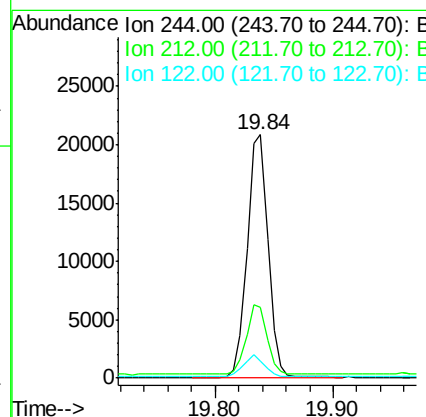
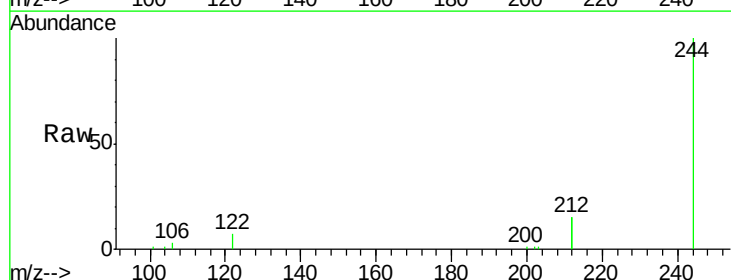
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW043-031919

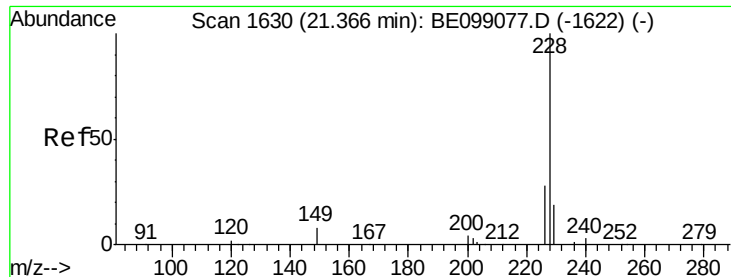
Tgt Ion: 202 Resp: 10342
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.0 25.6
 203 19.5 14.2 21.2



#29
 Terphenyl-d14
 Concen: 0.301 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BE099118.D
 Acq: 23 Mar 2019 18:53

Tgt Ion: 244 Resp: 25420
 Ion Ratio Lower Upper
 244 100
 212 29.2 29.4 44.2#
 122 7.0 7.1 10.7#





#30

Benzo(a)anthracene

Concen: 0.039 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

ClientSampleId :

PST-026-SW043-031919

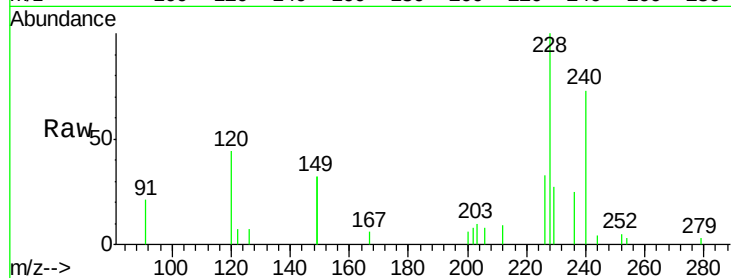
Tgt Ion:228 Resp: 5440

Ion Ratio Lower Upper

228 100

226 33.2 23.0 34.4

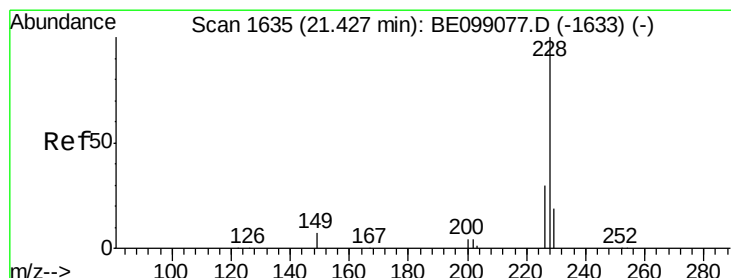
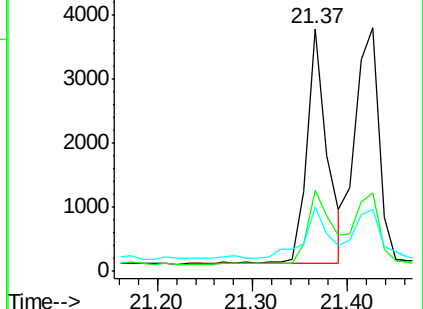
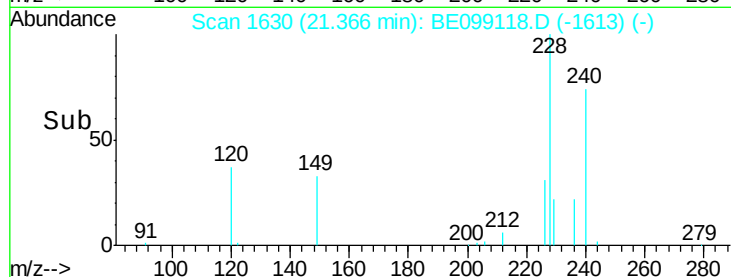
229 26.5 16.5 24.7#



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: 0.047 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

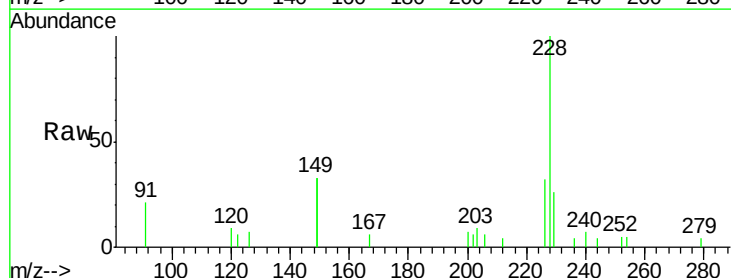
Tgt Ion:228 Resp: 6572

Ion Ratio Lower Upper

228 100

226 32.3 23.7 35.5

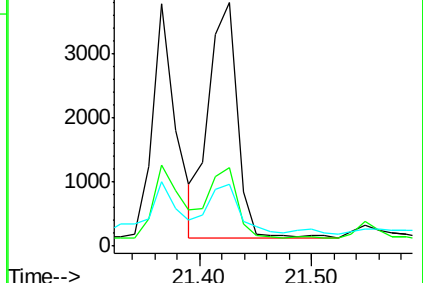
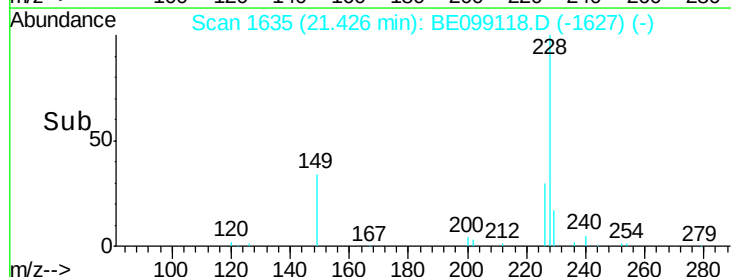
229 25.5 16.1 24.1#

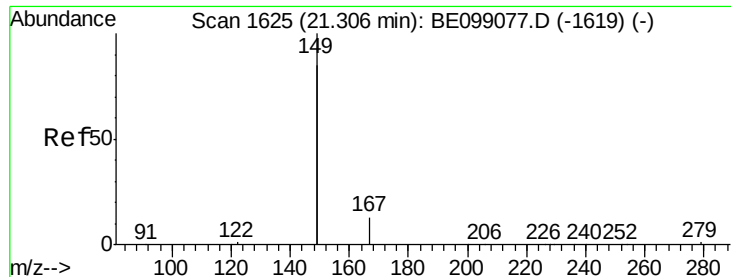


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

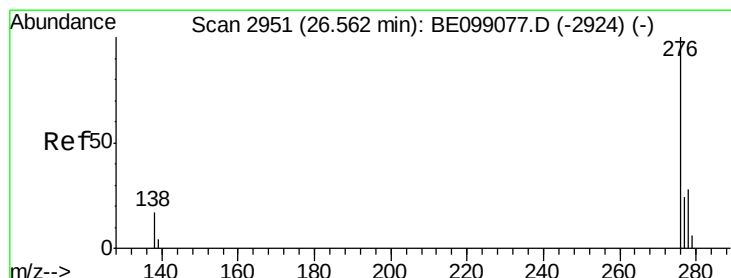
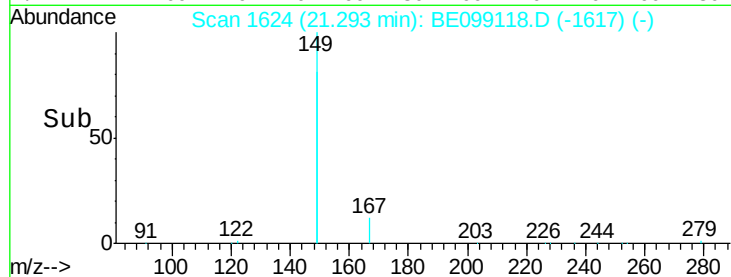
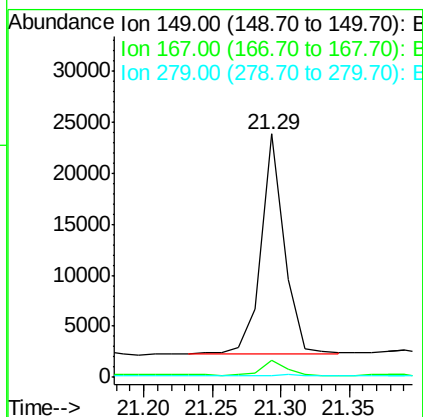
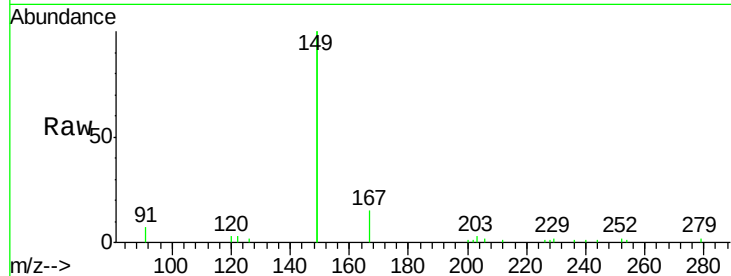




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.139 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BE099118.D
 Acq: 23 Mar 2019 18:53

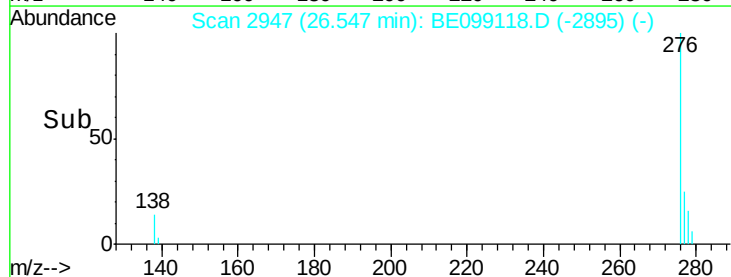
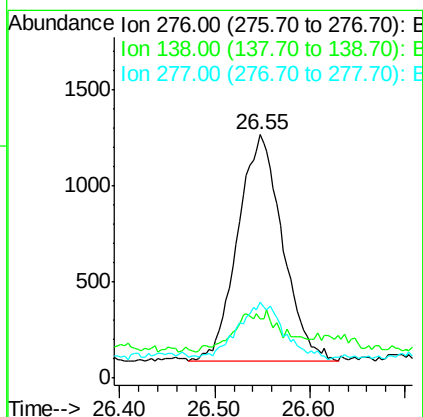
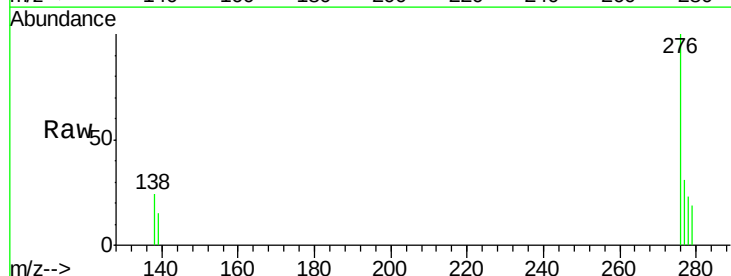
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW043-031919

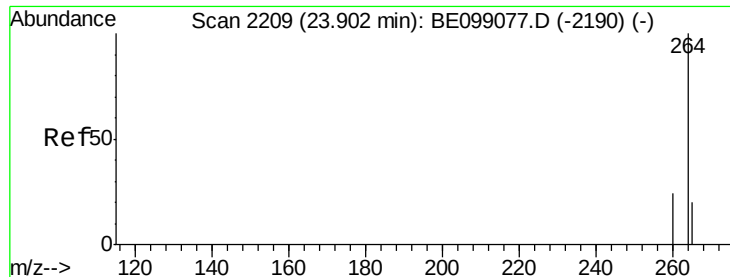
Tgt Ion: 149 Resp: 25335
 Ion Ratio Lower Upper
 149 100
 167 7.4 5.4 8.0
 279 1.3 1.0 1.4



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.025 ng
 RT: 26.55 min Scan# 2947
 Delta R.T. -0.01 min
 Lab File: BE099118.D
 Acq: 23 Mar 2019 18:53

Tgt Ion: 276 Resp: 3848
 Ion Ratio Lower Upper
 276 100
 138 6.0 13.8 20.8#
 277 26.8 19.5 29.3

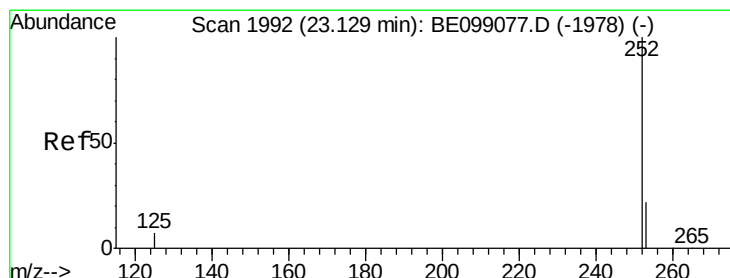
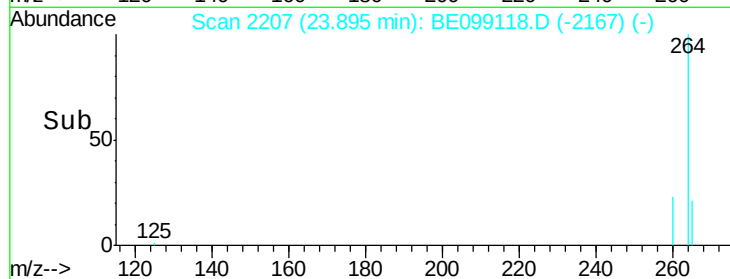
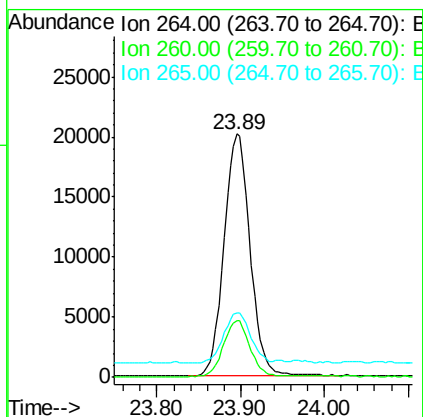
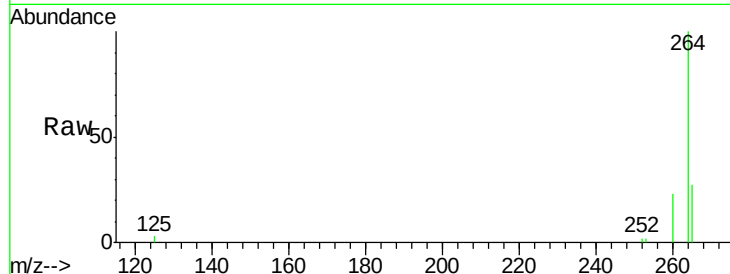




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: BE099118.D
 Acq: 23 Mar 2019 18:53

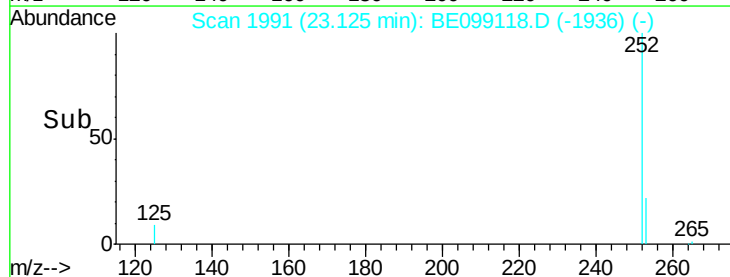
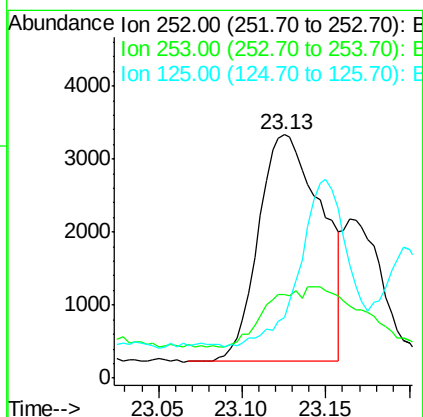
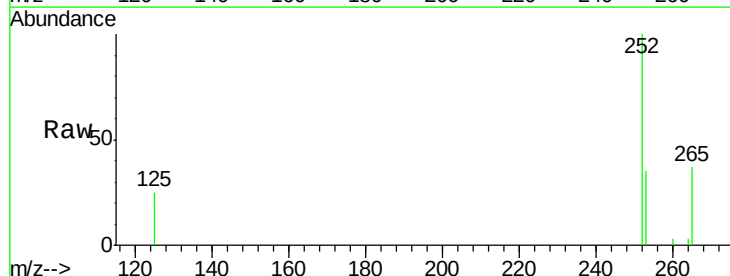
Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW043-031919

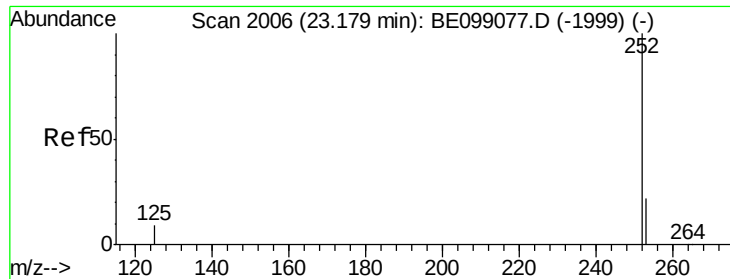
Tgt Ion: 264 Resp: 43582
 Ion Ratio Lower Upper
 264 100
 260 23.4 21.2 31.8
 265 26.7 24.6 36.8



#35
Benzo(b)fluoranthene
 Concen: 0.054 ng
 RT: 23.13 min Scan# 1991
 Delta R.T. -0.00 min
 Lab File: BE099118.D
 Acq: 23 Mar 2019 18:53

Tgt Ion: 252 Resp: 8159
 Ion Ratio Lower Upper
 252 100
 253 34.6 18.2 27.2#
 125 24.9 7.3 10.9#





#36

Benzo(k)fluoranthene

Concen: 0.055 ng

RT: 23.13 min Scan# 1991

Delta R.T. -0.05 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

ClientSampleId :

PST-026-SW043-031919

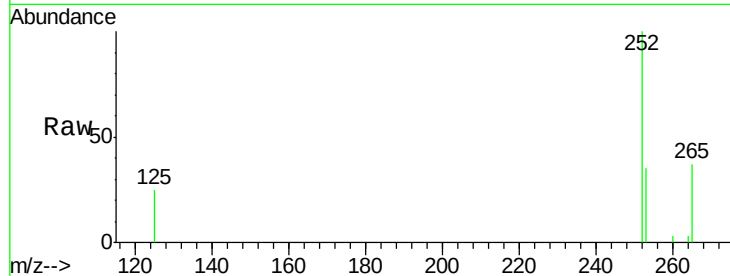
Tgt Ion: 252 Resp: 8159

Ion Ratio Lower Upper

252 100

253 34.6 19.3 28.9#

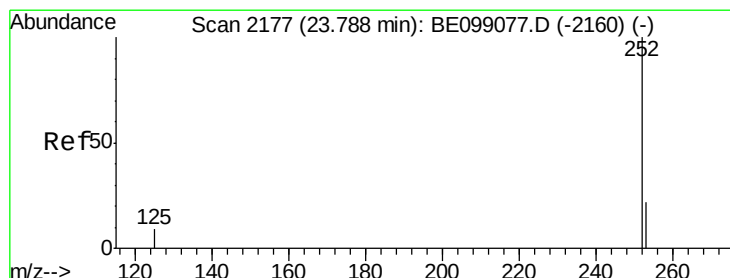
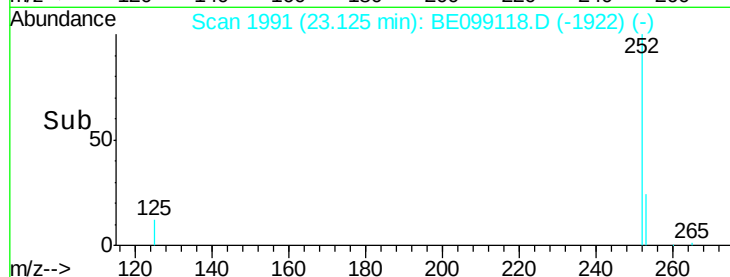
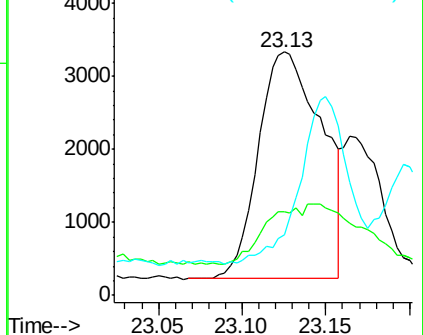
125 24.9 7.5 11.3#



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: 0.040 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099118.D

Acq: 23 Mar 2019 18:53

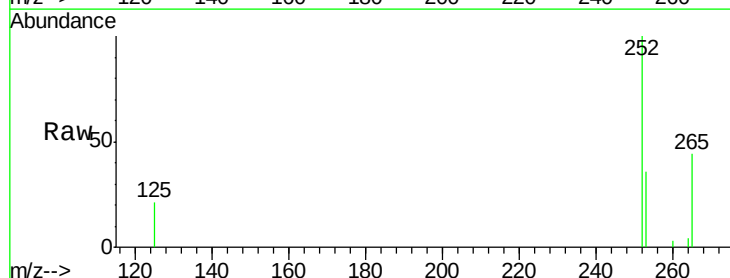
Tgt Ion: 252 Resp: 5550

Ion Ratio Lower Upper

252 100

253 35.8 19.9 29.9#

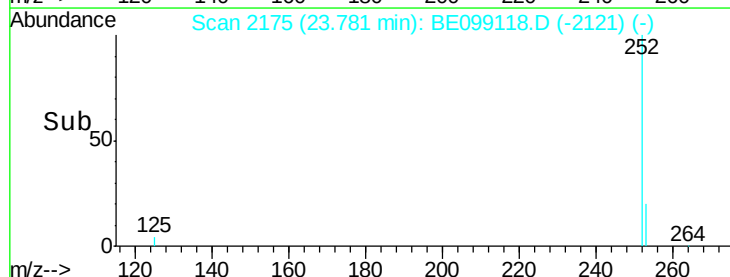
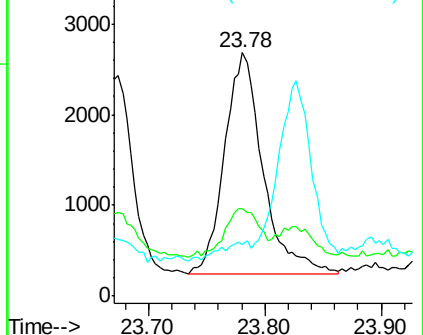
125 21.4 9.0 13.4#

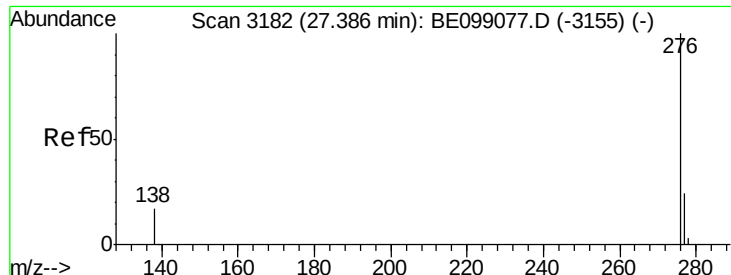


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.028 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.02 min

Lab File: BE099118.D

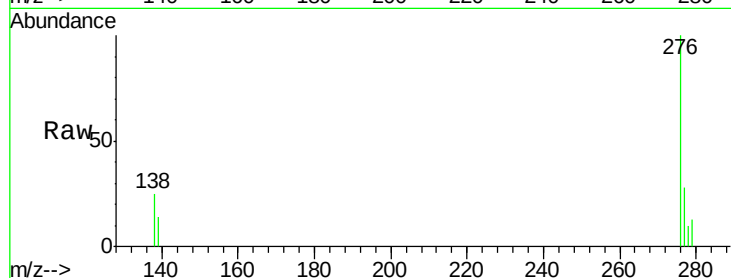
Acq: 23 Mar 2019 18:53

Instrument :

BNA_E

ClientSampleId :

PST-026-SW043-031919



Tgt Ion: 276 Resp: 3952

Ion Ratio Lower Upper

276 100

277 28.0 20.4 30.6

138 25.4 13.6 20.4

