

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 24 03:25:00 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

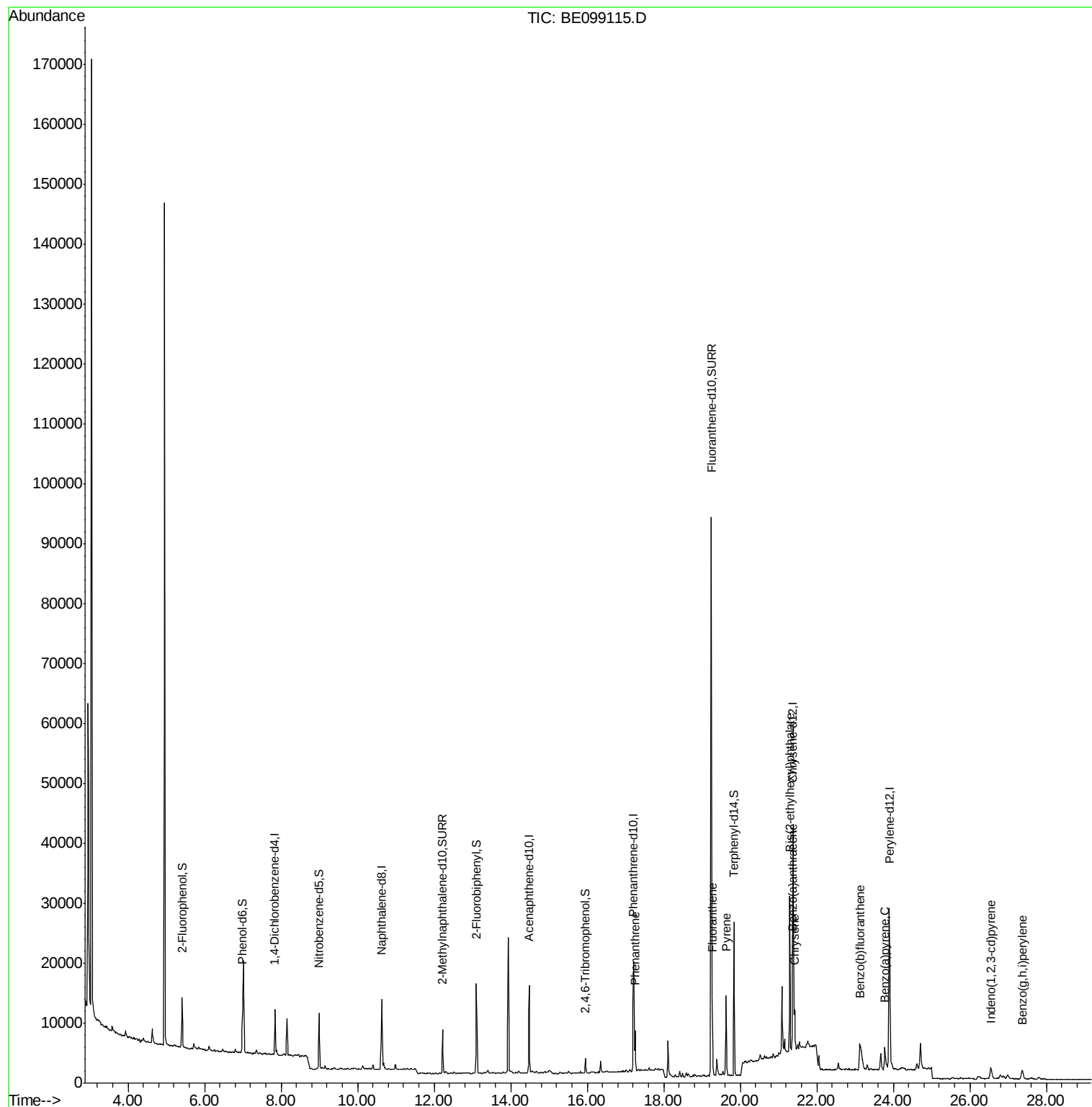
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.25	178	6927	0.094	ng	97
26) Fluoranthene	19.27	202	11241	0.109	ng	# 97
28) Pyrene	19.63	202	12341	0.098	ng	97
30) Benzo(a)anthracene	21.37	228	6538	0.050	ng	98
31) Chrysene	21.42	228	7243	0.055	ng	95
32) Bis(2-ethylhexyl)phthalate	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
37) Benzo(a)pyrene	23.78	252	5830	0.045	ng	# 89
39) Benzo(a,h,i)perylene	27.36	276	4062	0.031	ng	# 86

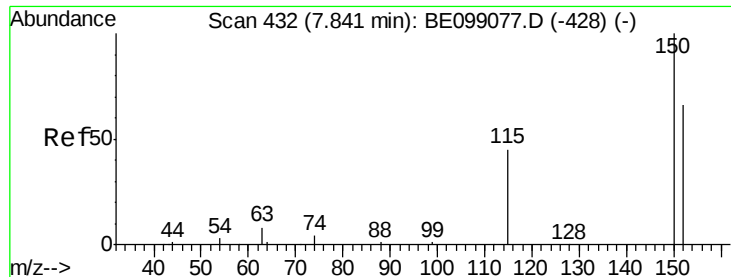
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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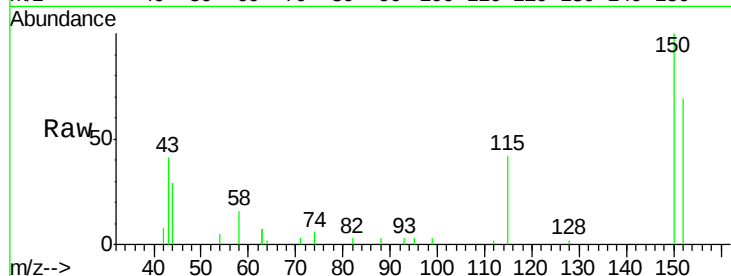


#1

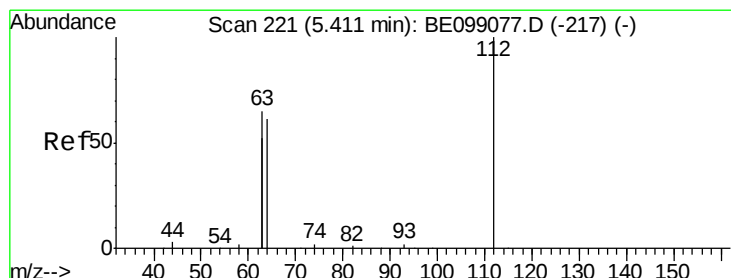
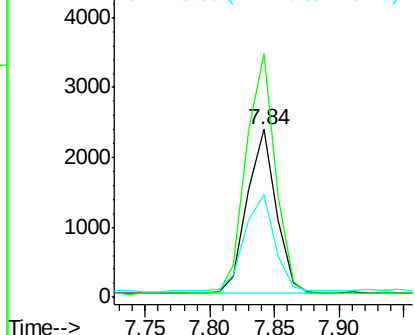
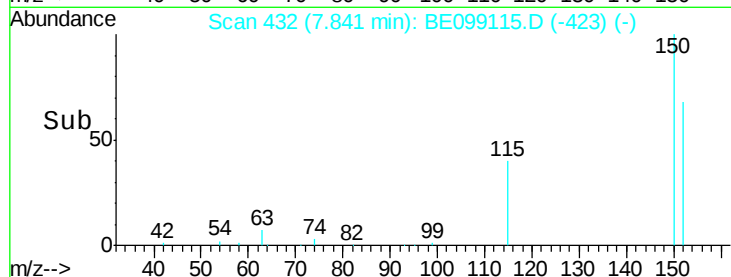
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099115.D
Acq: 23 Mar 2019 17:03

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

Tot Ion:152 Resp: 3655
Ion Ratio Lower Upper
152 100
150 145.2 122.5 183.7
115 61.1 57.4 86.2



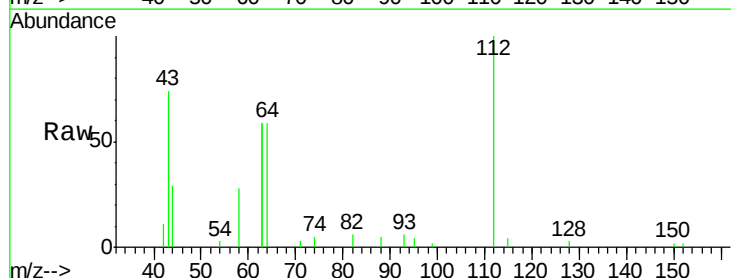
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



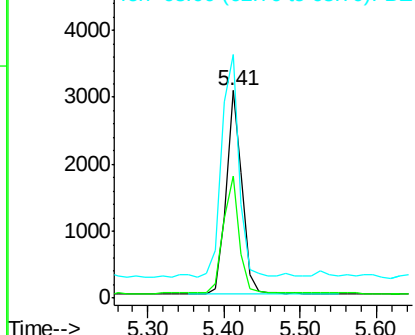
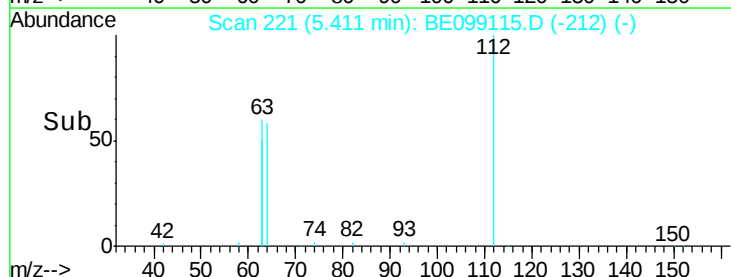
#4

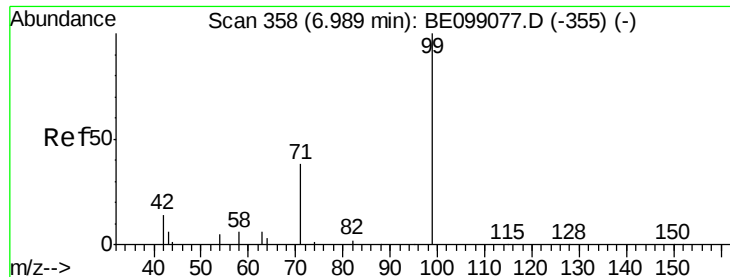
2-Fluorophenol
Concen: 0.418 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE099115.D
Acq: 23 Mar 2019 17:03

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): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#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

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

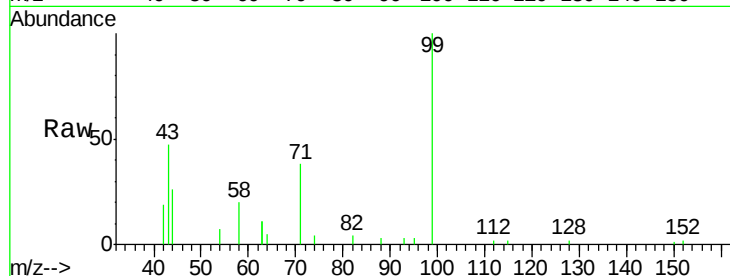
Tot Ion: 99 Resp: 6307

Ion Ratio Lower Upper

99 100

42 20.0 24.2 36.2#

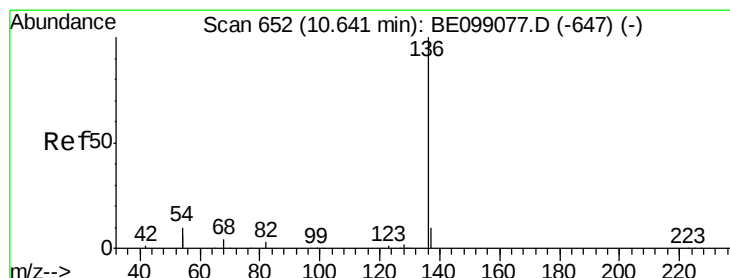
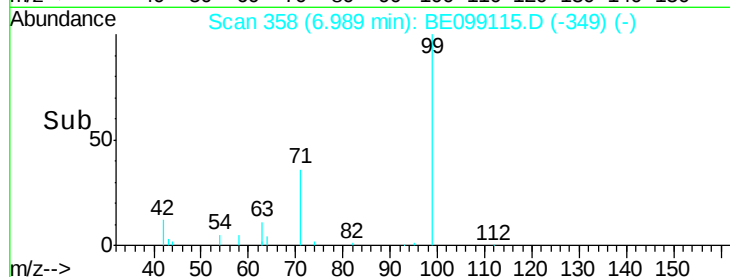
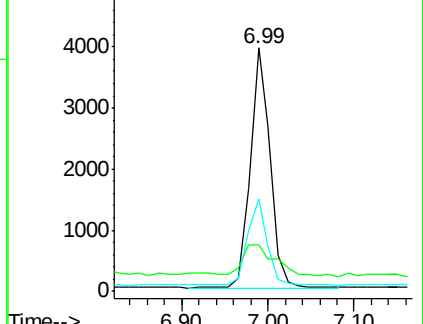
71 36.0 35.7 53.5



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

Acq: 23 Mar 2019 17:03

Tgt Ion: 136 Resp: 13899

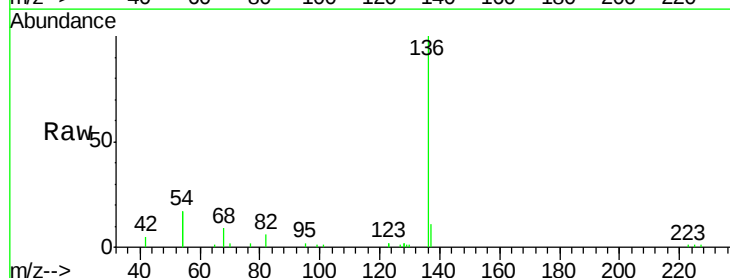
Ion Ratio Lower Upper

136 100

137 10.6 11.4 17.0#

54 33.6 39.3 58.9#

68 8.6 6.7 10.1

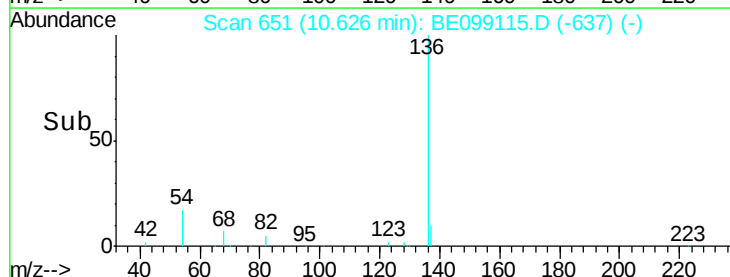
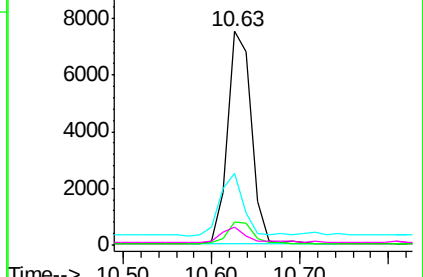


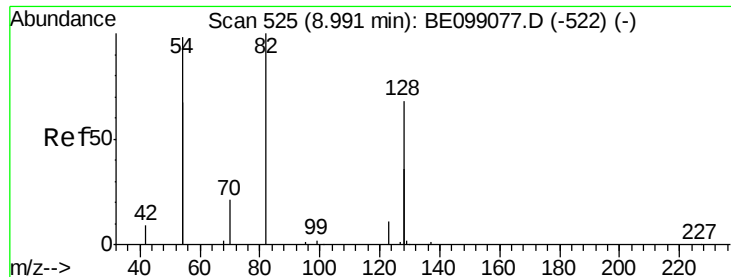
Abundance Ion 136.00 (135.70 to 136.70): E

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

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

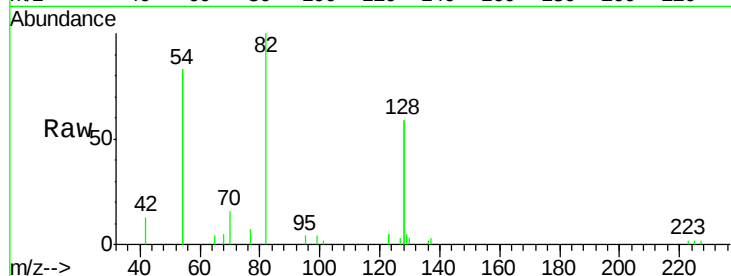
Tot Ion: 82 Resp: 4057

Ion Ratio Lower Upper

82 100

128 117.2 123.8 185.8#

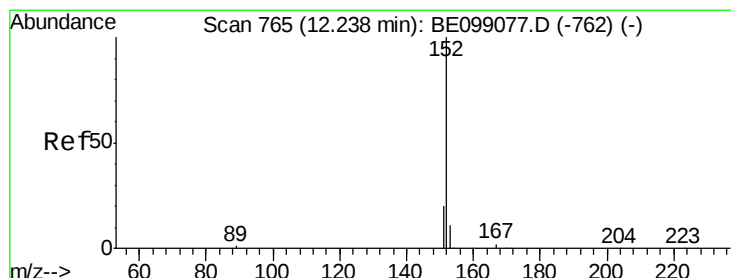
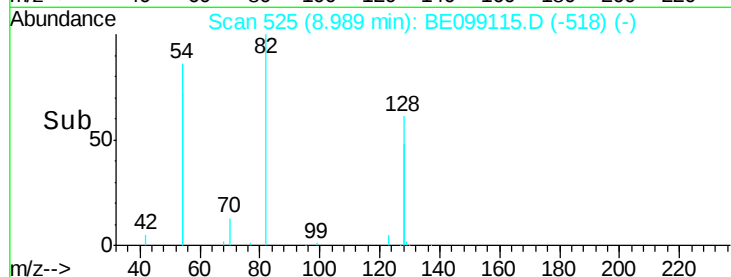
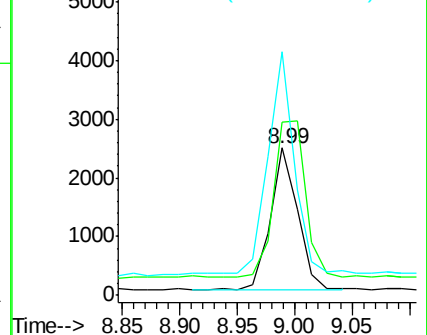
54 165.2 203.4 305.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

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

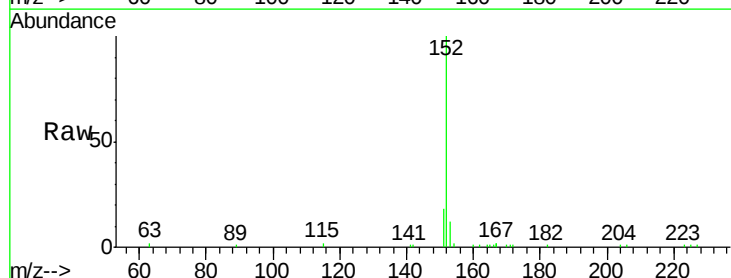
Acq: 23 Mar 2019 17:03

Tgt Ion: 152 Resp: 9082

Ion Ratio Lower Upper

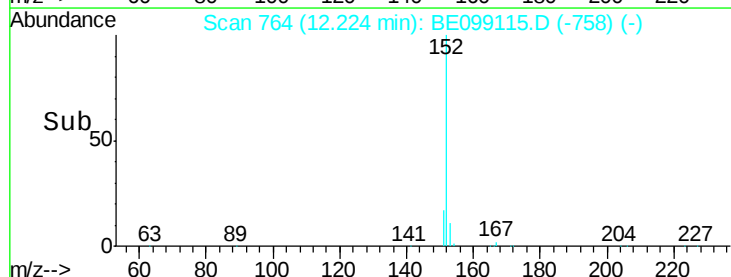
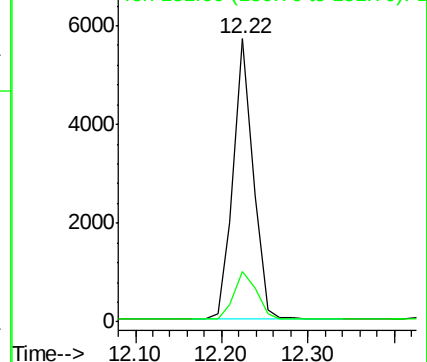
152 100

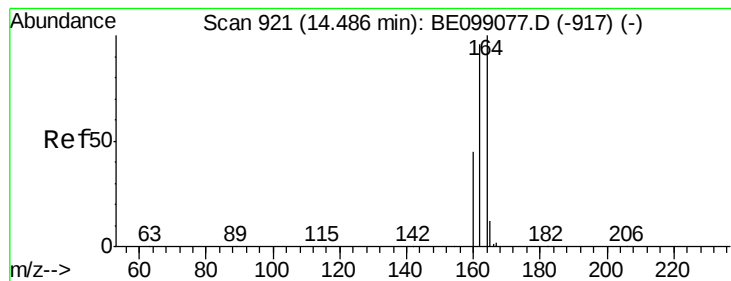
151 19.0 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#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

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

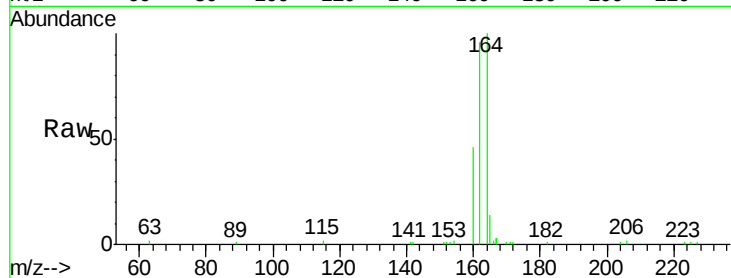
Tot Ion:164 Resp: 9104

Ion Ratio Lower Upper

164 100

162 96.3 80.2 120.2

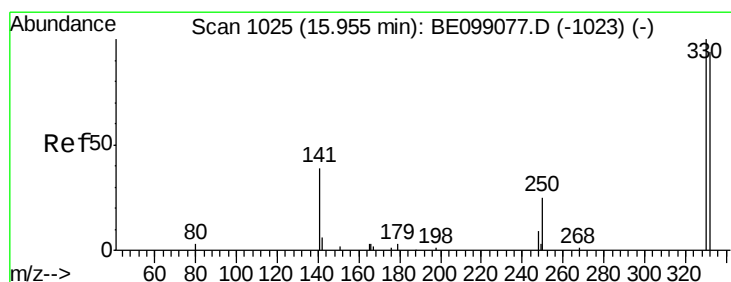
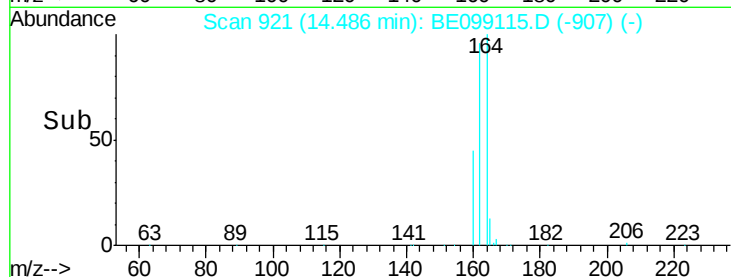
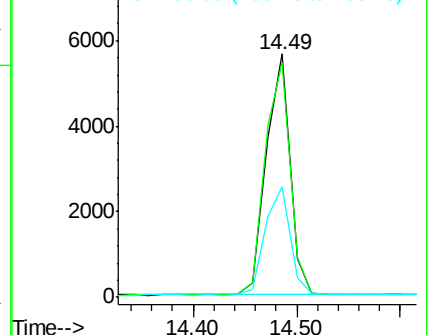
160 45.6 37.8 56.8



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



#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

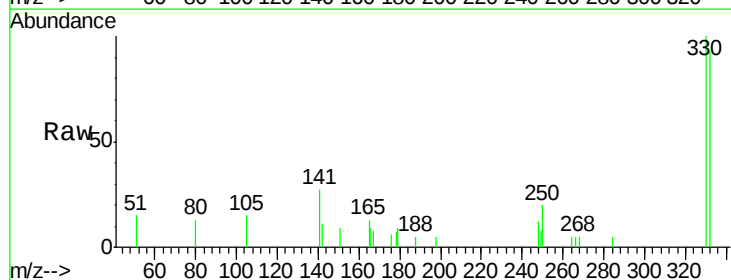
Tgt Ion:330 Resp: 1463

Ion Ratio Lower Upper

330 100

332 91.3 77.6 116.4

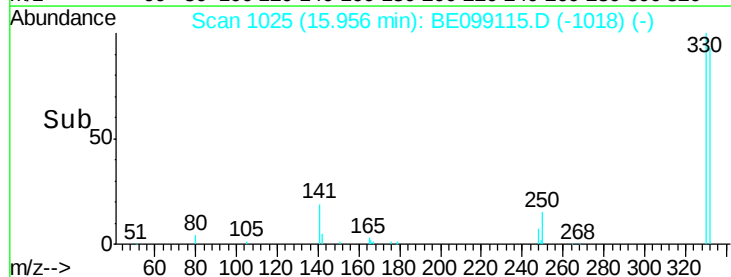
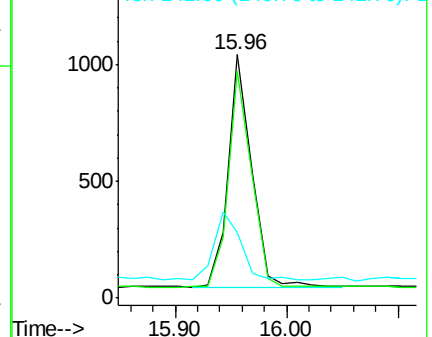
141 33.6 31.0 46.4

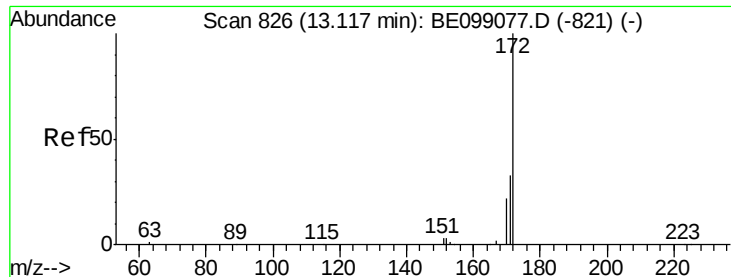


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

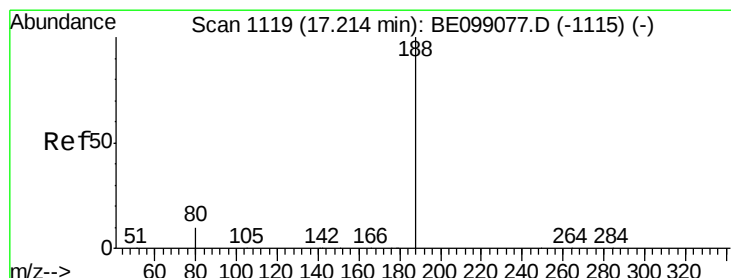
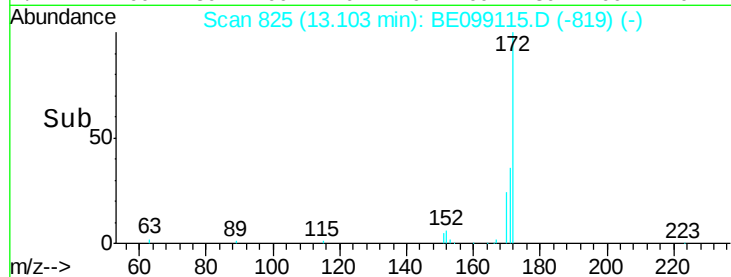
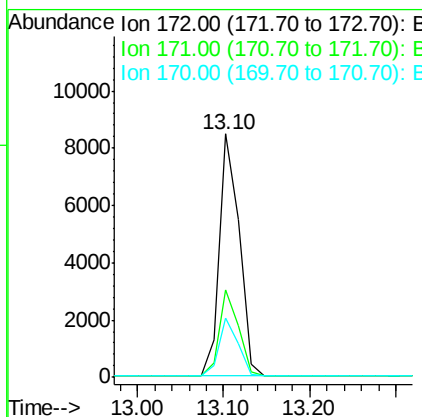
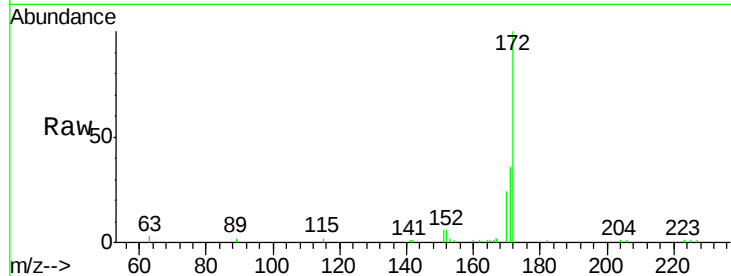




#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099115.D
Acq: 23 Mar 2019 17:03

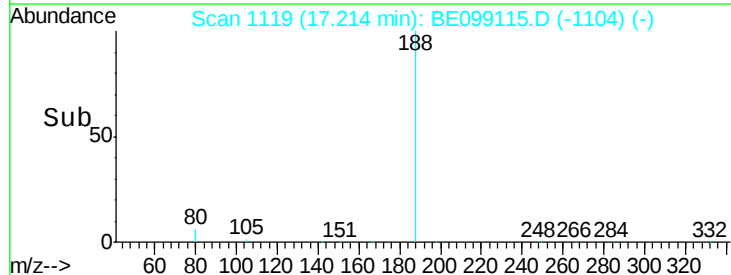
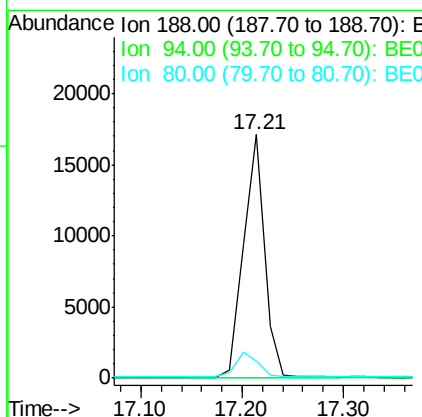
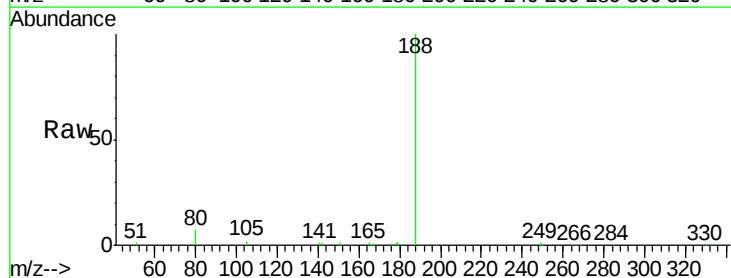
Instrument :
BNA_E
ClientSampleId :
PST-026-SW082-031919

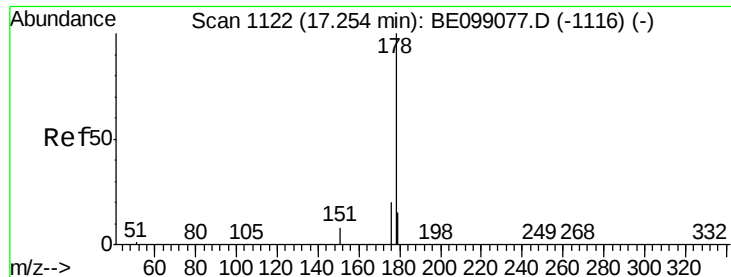
Tot Ion:172 Resp: 13513
Ion Ratio Lower Upper
172 100
171 36.1 28.0 42.0
170 24.1 17.7 26.5



#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

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





#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

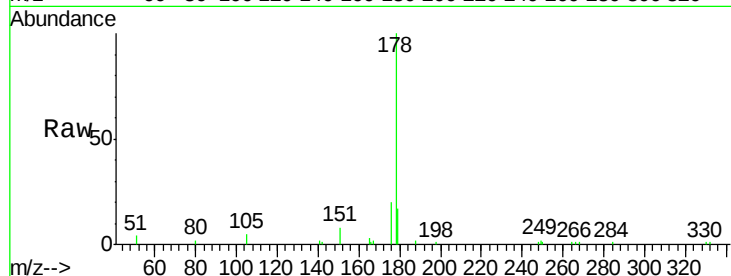
Tot Ion:178 Resp: 6927

Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

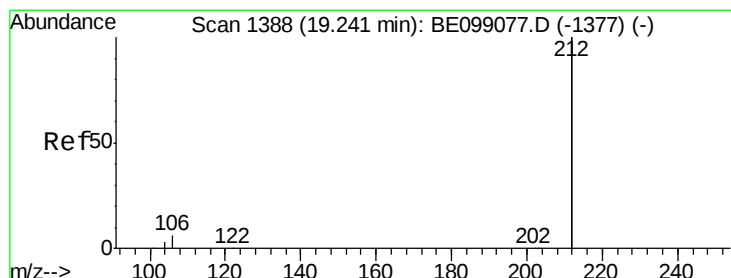
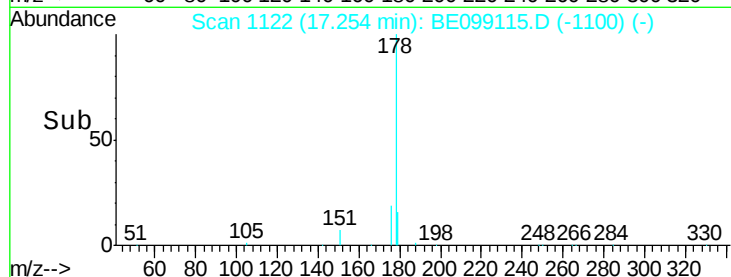
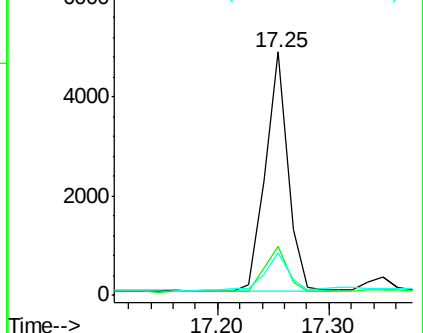
179 16.8 12.1 18.1



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

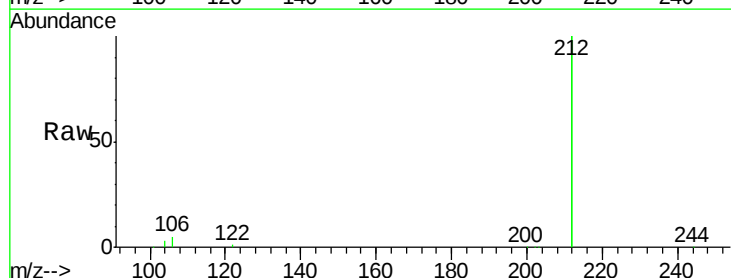
Tgt Ion:212 Resp: 121017

Ion Ratio Lower Upper

212 100

106 2.6 1.8 2.8

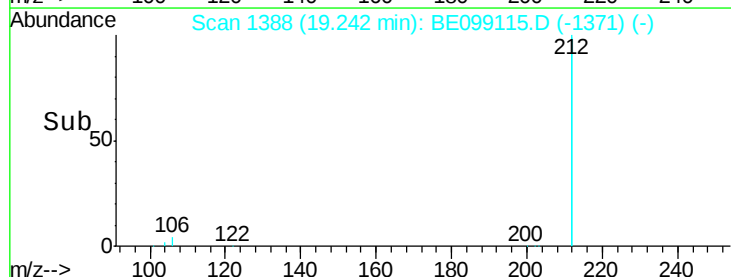
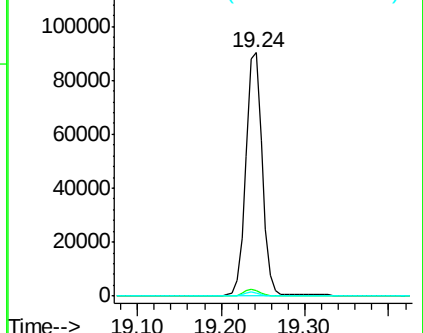
104 1.5 1.0 1.6

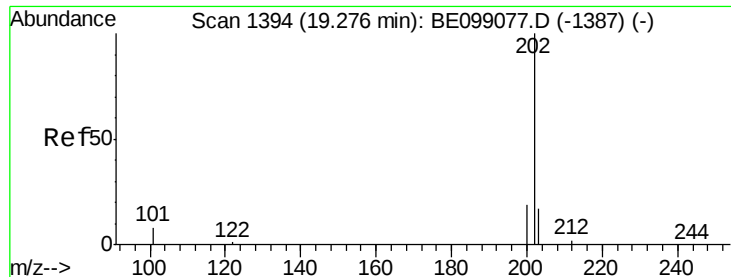


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

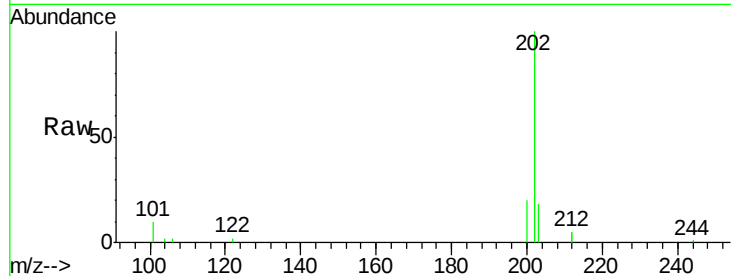




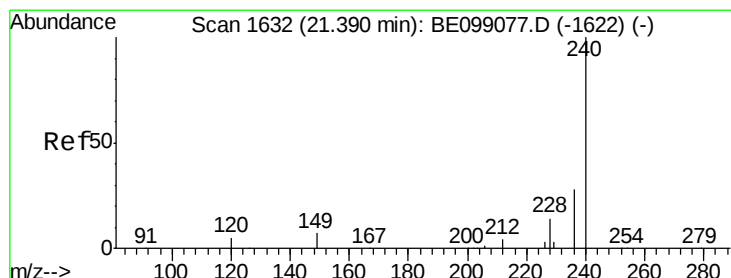
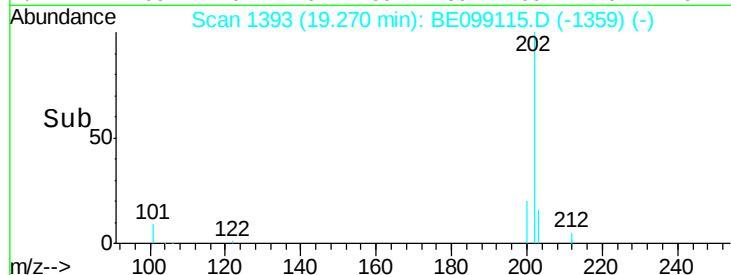
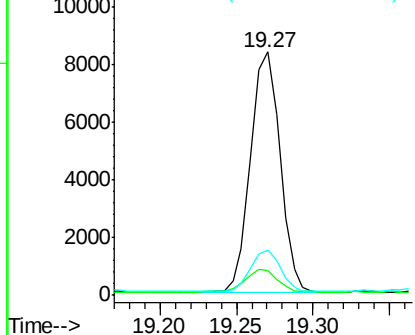
#26
Fluoranthene
Concen: 0.109 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099115.D
Acq: 23 Mar 2019 17:03

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

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

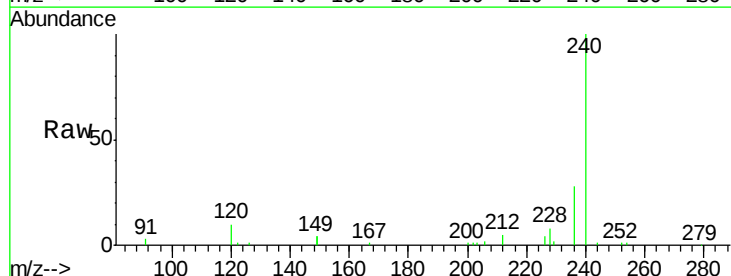


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

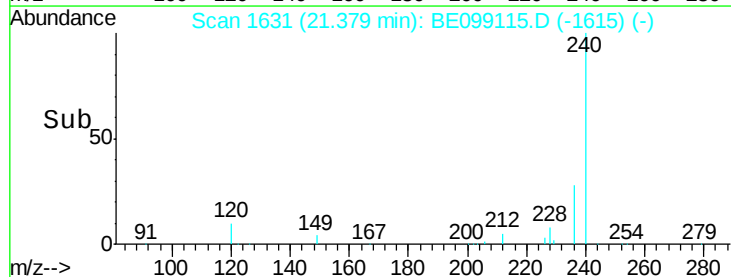
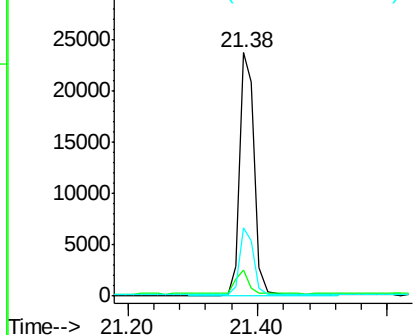


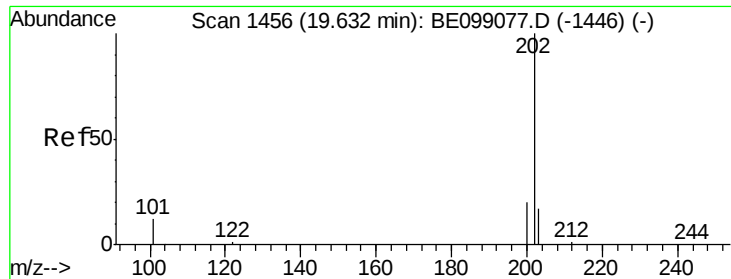
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE099115.D
Acq: 23 Mar 2019 17:03

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



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

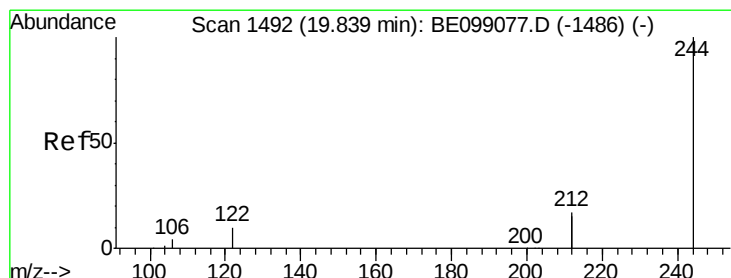
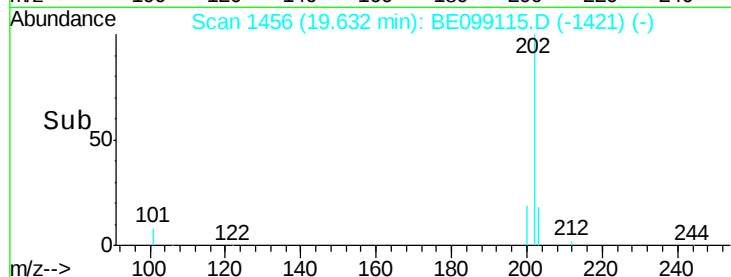
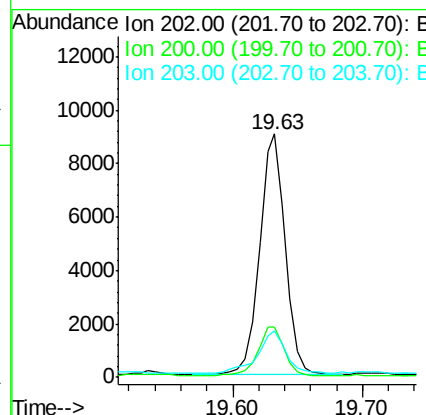
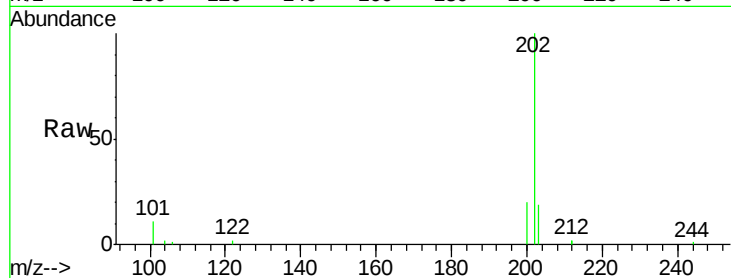




#28
Pvrene
Concen: 0.098 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099115.D
Acq: 23 Mar 2019 17:03

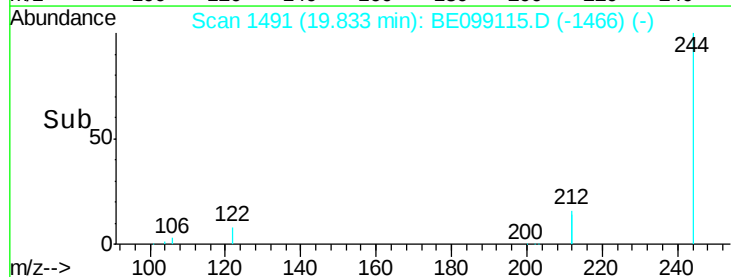
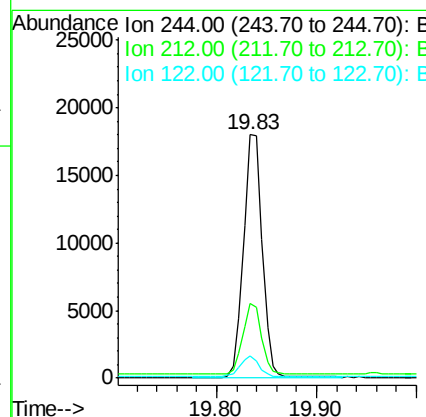
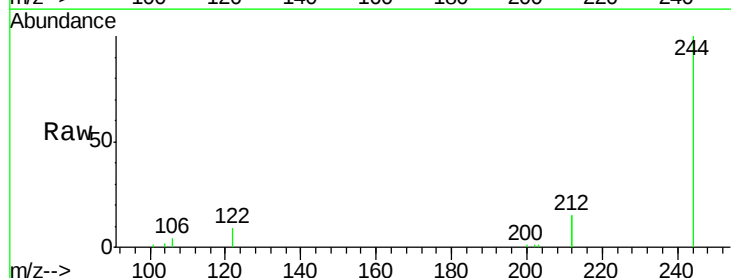
Instrument :
BNA_E
ClientSampleId :
PST-026-SW082-031919

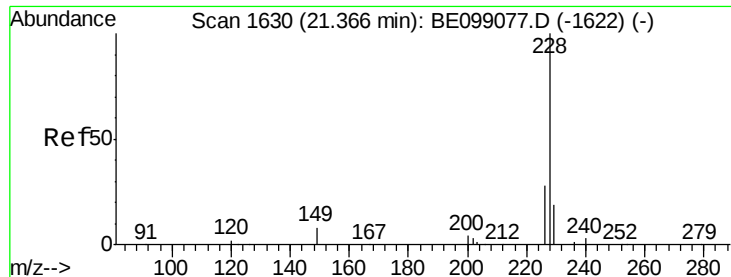
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.6
203	19.9	14.2	21.2



#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	Ratio	Lower	Upper
244	100		
212	30.9	29.4	44.2
122	9.2	7.1	10.7





#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

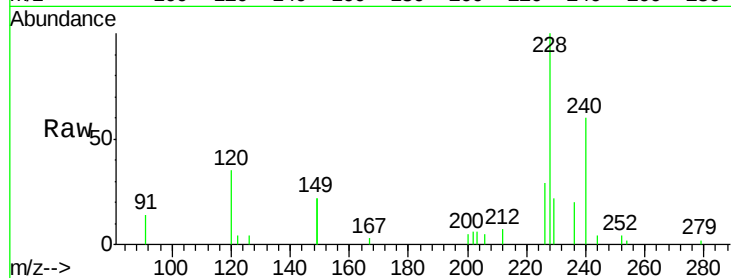
Tot Ion:228 Resp: 6538

Ion Ratio Lower Upper

228 100

226 29.5 23.0 34.4

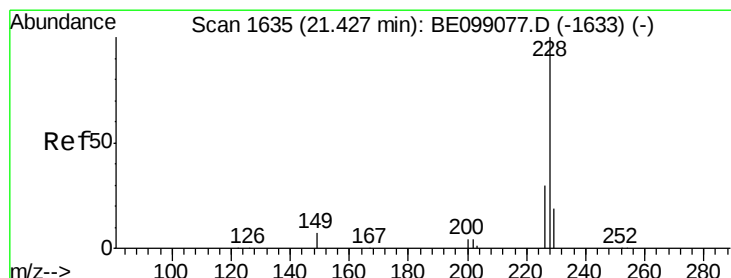
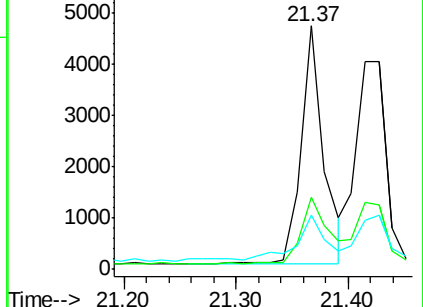
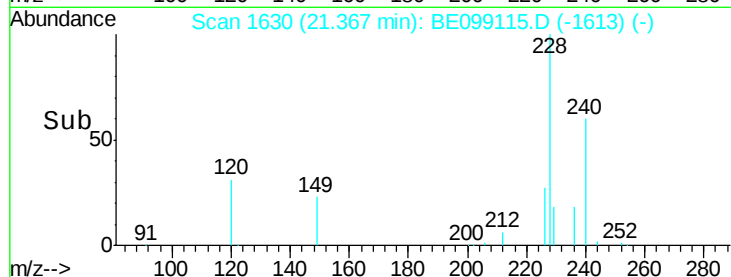
229 22.3 16.5 24.7



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

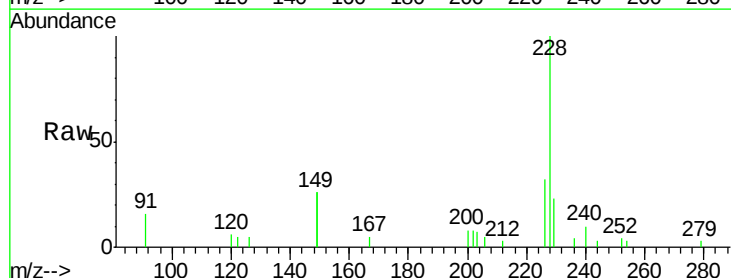
Tgt Ion:228 Resp: 7243

Ion Ratio Lower Upper

228 100

226 32.0 23.7 35.5

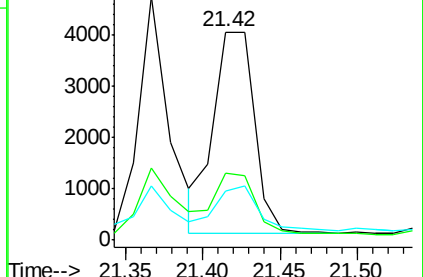
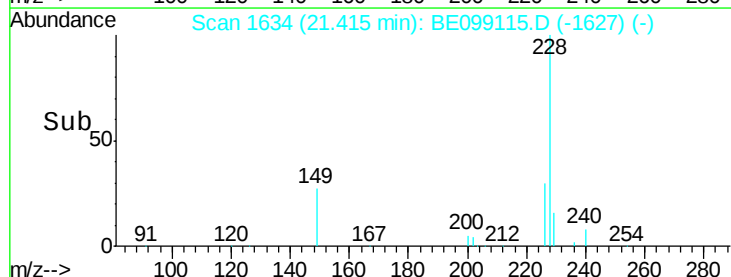
229 23.3 16.1 24.1

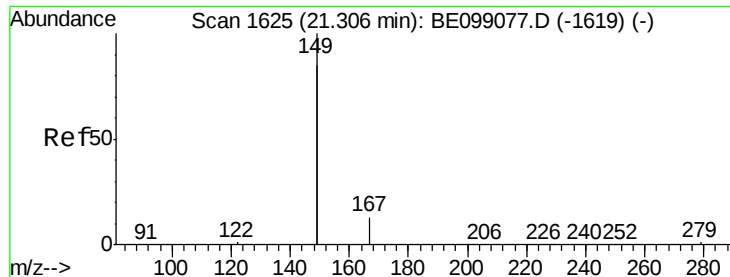


Abundance Ion 228.00 (227.70 to 228.70): E

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

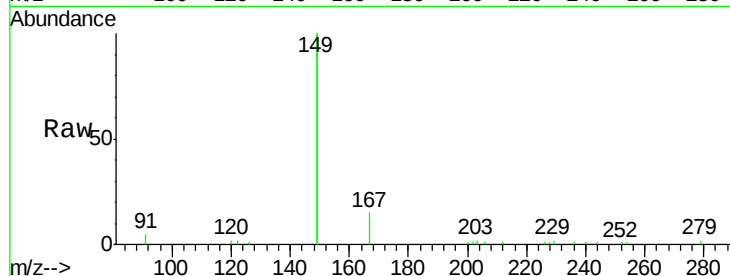
Tot Ion:149 Resp: 27878

Ion Ratio Lower Upper

149 100

167 7.8 5.4 8.0

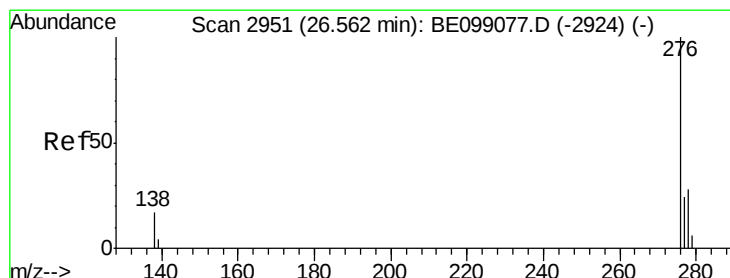
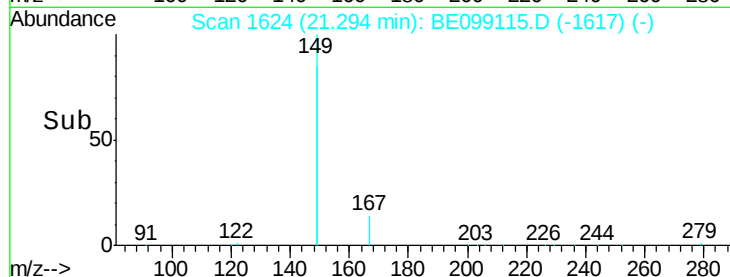
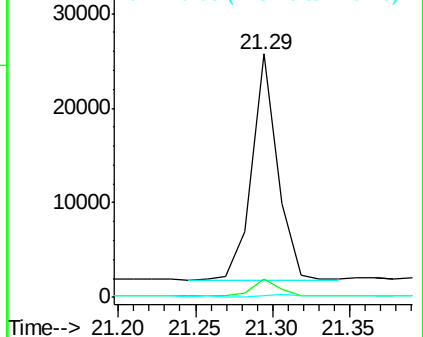
279 1.2 1.0 1.4



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

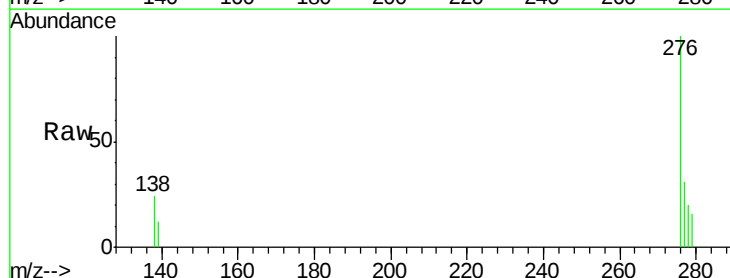
Tgt Ion:276 Resp: 3737

Ion Ratio Lower Upper

276 100

138 10.2 13.8 20.8#

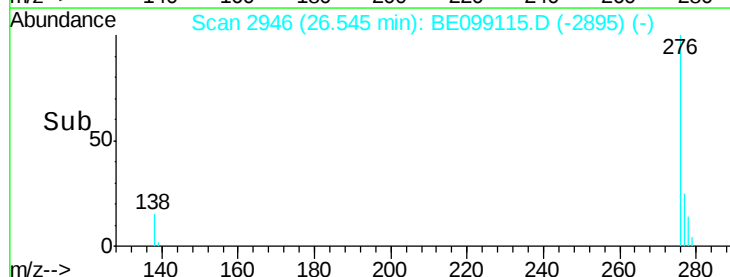
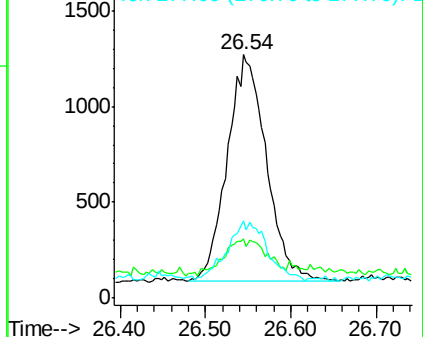
277 13.0 19.5 29.3#

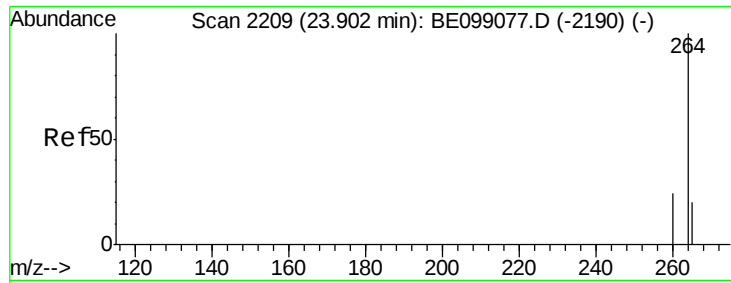


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

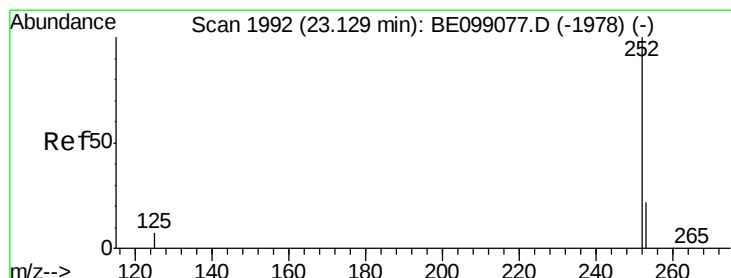
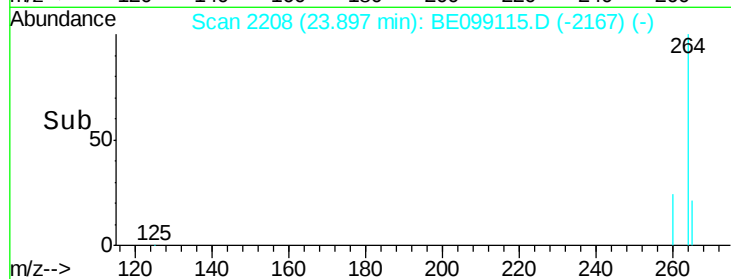
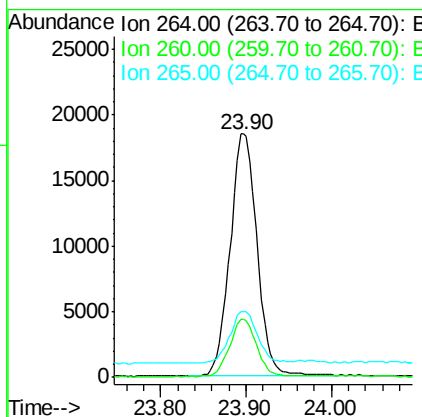
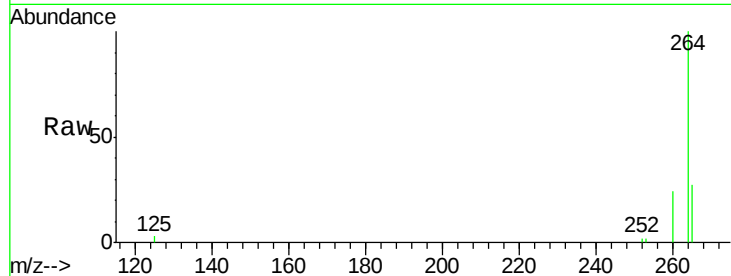




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BE099115.D
Acq: 23 Mar 2019 17:03

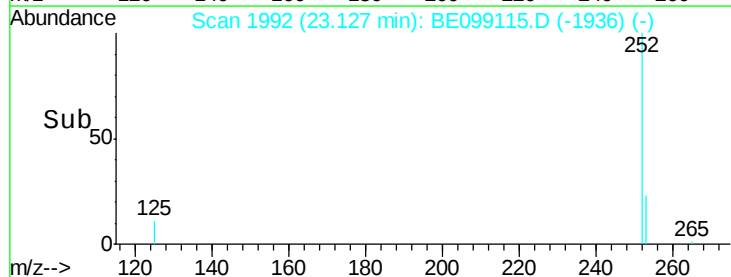
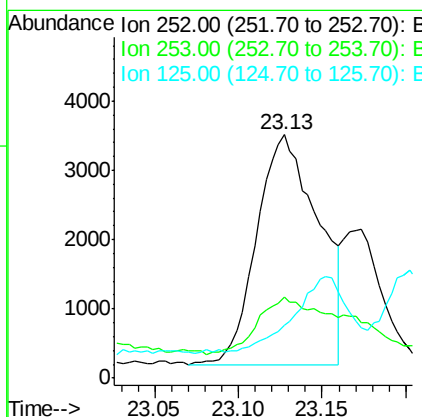
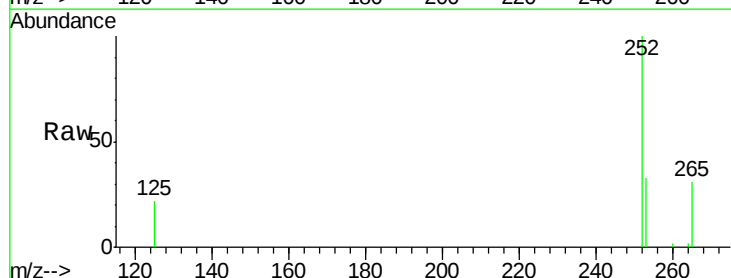
Instrument :
BNA_E
ClientSampleId :
PST-026-SW082-031919

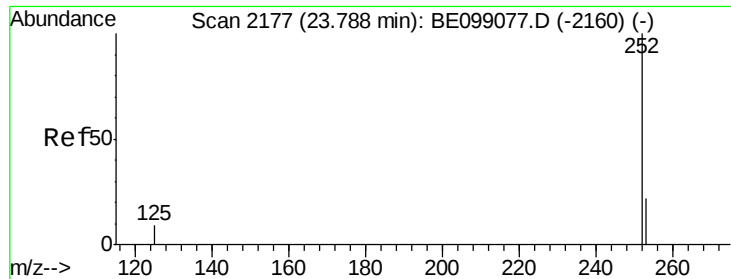
Tot Ion:264 Resp: 40671
Ion Ratio Lower Upper
264 100
260 23.9 21.2 31.8
265 26.7 24.6 36.8



#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#





#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

Instrument :

BNA_E

ClientSampleId :

PST-026-SW082-031919

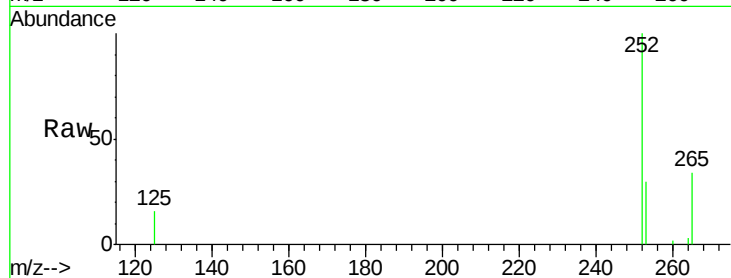
Tot Ion:252 Resp: 5830

Ion Ratio Lower Upper

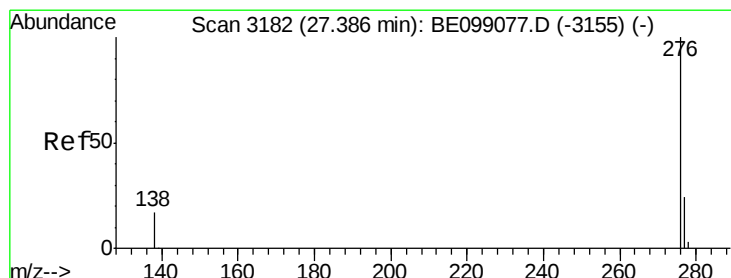
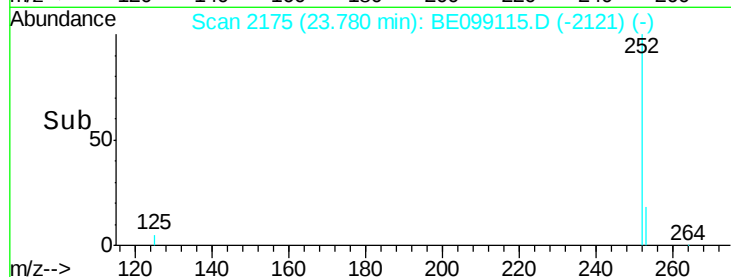
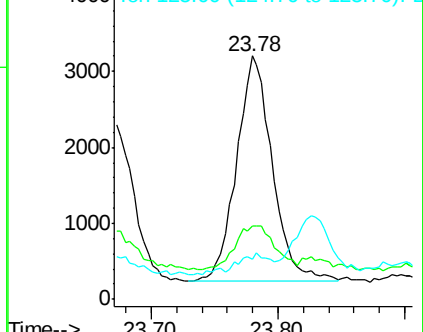
252 100

253 29.9 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: 0.031 ng

RT: 27.36 min Scan# 3176

Delta R.T. -0.02 min

Lab File: BE099115.D

Acq: 23 Mar 2019 17:03

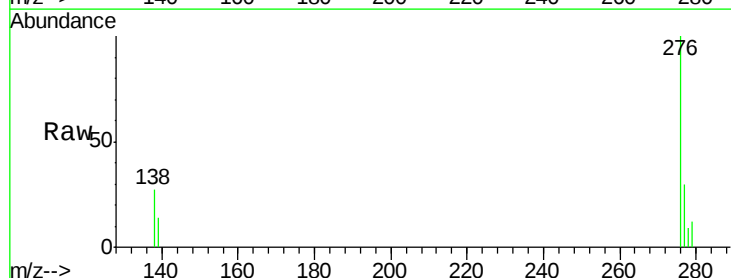
Tgt Ion:276 Resp: 4062

Ion Ratio Lower Upper

276 100

277 29.7 20.4 30.6

138 26.8 13.6 20.4#



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

