

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070219\
 Data File : BE100314.D
 Acq On : 2 Jul 2019 22:17
 Operator : JU/SJ
 Sample : K3505-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW104-062019

Quant Time: Jul 03 02:14:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	993	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3488	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2559	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7374	0.40	ng	0.00
27) Chrysene-d12	21.25	240	9896	0.40	ng	0.00
34) Perylene-d12	23.68	264	12007	0.40	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.23	112	537	0.21	ng	0.01
5) Phenol-d6	6.83	99	698	0.21	ng	-0.01
8) Nitrobenzene-d5	8.81	82	638	0.18	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1160	0.18	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	443	0.25	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1626	0.16	ng	-0.01
25) Fluoranthene-d10	19.10	212	16179	0.15	ng	0.00
29) Terphenyl-d14	19.70	244	3878	0.19	ng	0.00

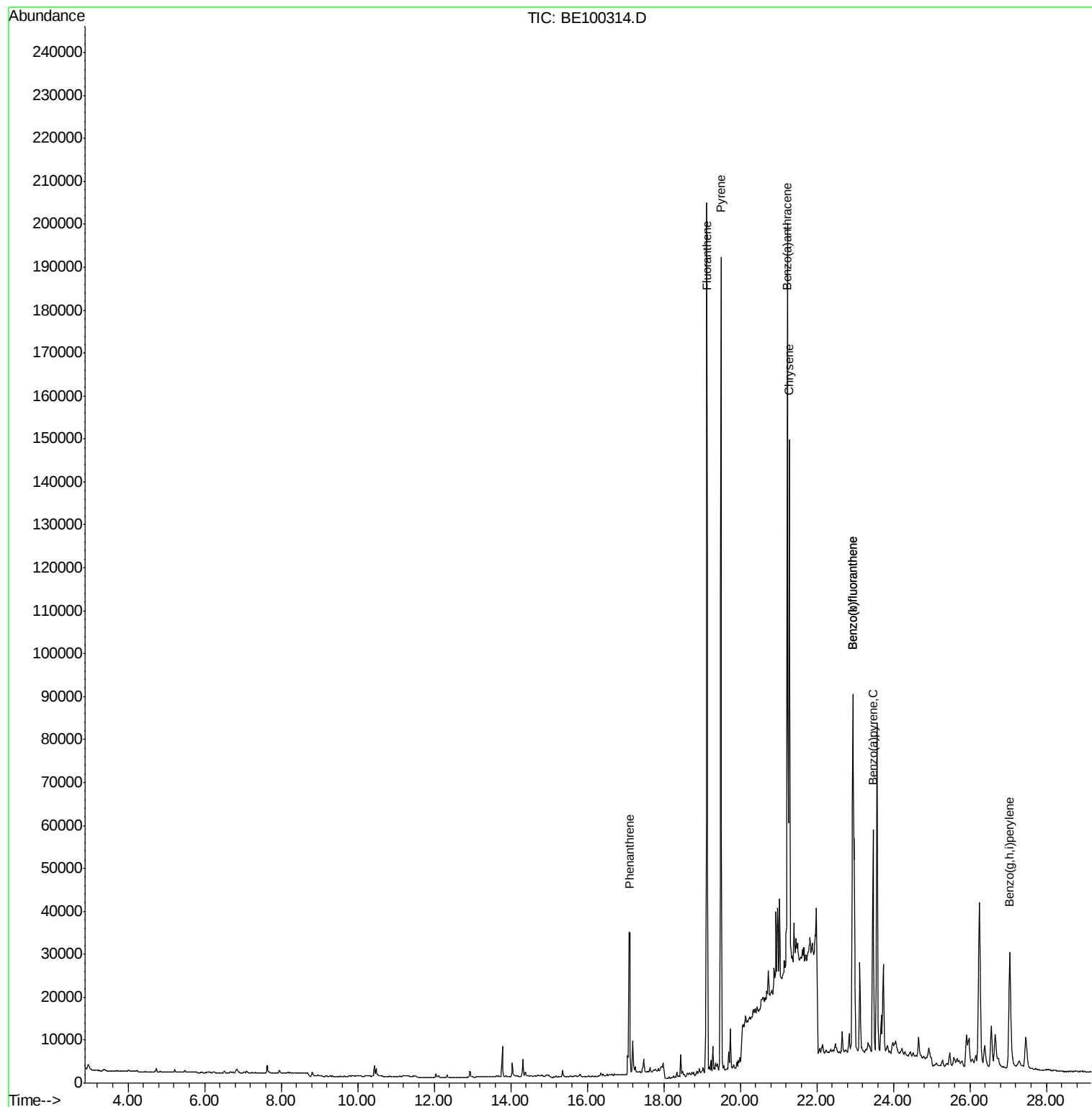
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.11	178	43040	2.408	ng	100
26) Fluoranthene	19.13	202	194832	6.844	ng	99
28) Pyrene	19.49	202	180922	6.905	ng	97
30) Benzo(a)anthracene	21.23	228	144823	4.451	ng	98
31) Chrysene	21.28	228	111688	3.418	ng	95
35) Benzo(b)fluoranthene	22.94	252	159982	4.914	ng	100
36) Benzo(k)fluoranthene	22.94	252	159982	4.403	ng	# 95
37) Benzo(a)pyrene	23.47	252	77523	2.376	ng	98
39) Benzo(g,h,i)perylene	27.04	276	73286	2.094	ng	98

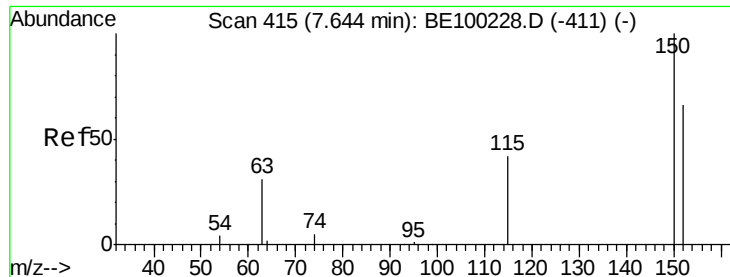
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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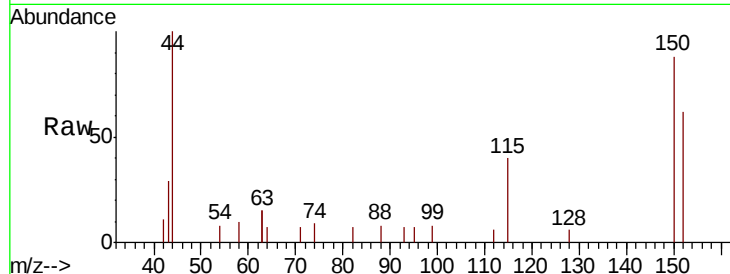


#1

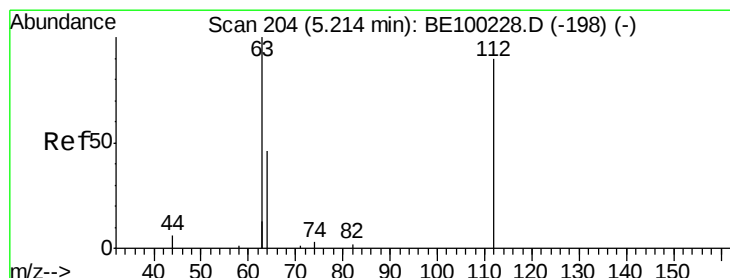
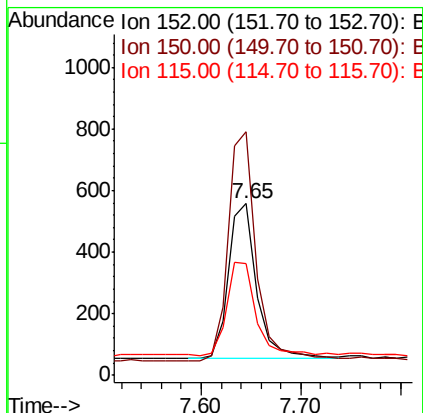
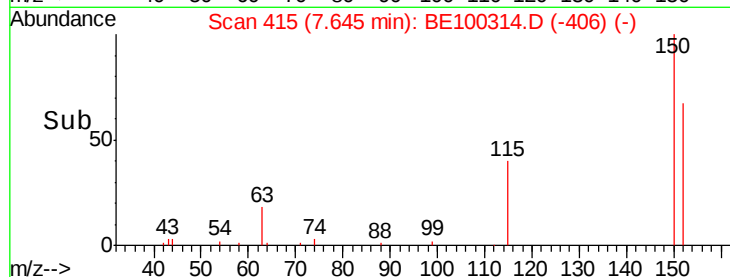
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tgt Ion:152 Resp: 993
Ion Ratio Lower Upper
152 100
150 142.0 114.5 171.7
115 65.2 57.1 85.7



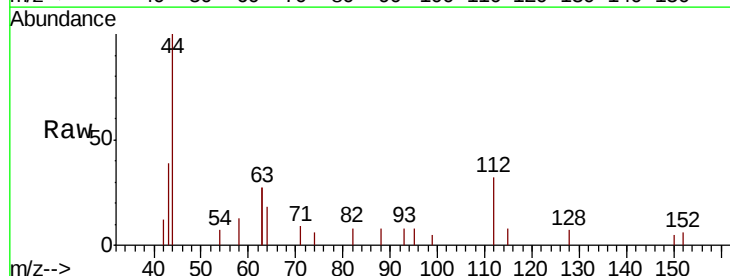
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



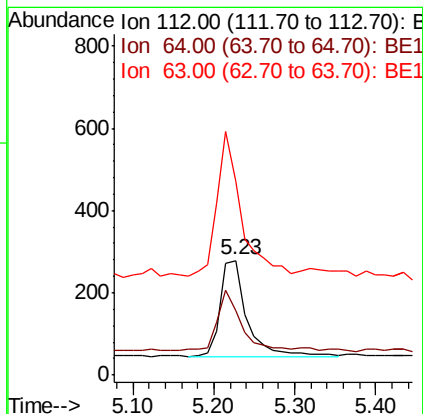
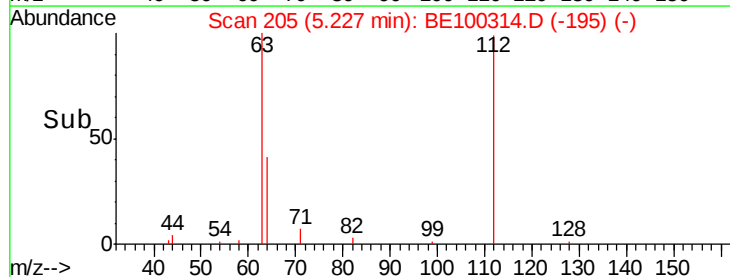
#4

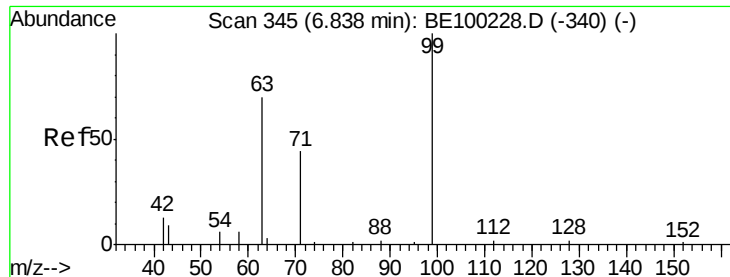
2-Fluorophenol
Concen: 0.212 ng
RT: 5.23 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion:112 Resp: 537
Ion Ratio Lower Upper
112 100
64 52.9 39.4 59.0
63 134.1 104.5 156.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.210 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

Instrument :

BNA_E

ClientSampleId :

PST-013-SW104-062019

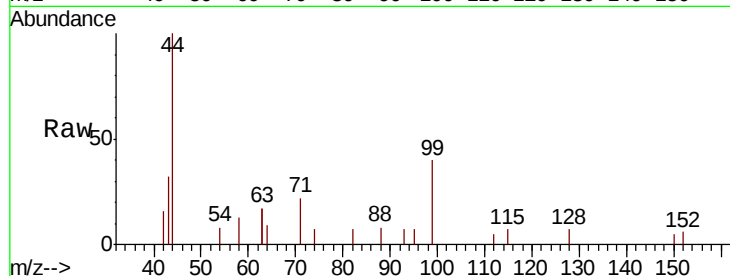
Tgt Ion: 99 Resp: 698

Ion Ratio Lower Upper

99 100

42 24.1 11.2 16.8#

71 44.8 37.2 55.8

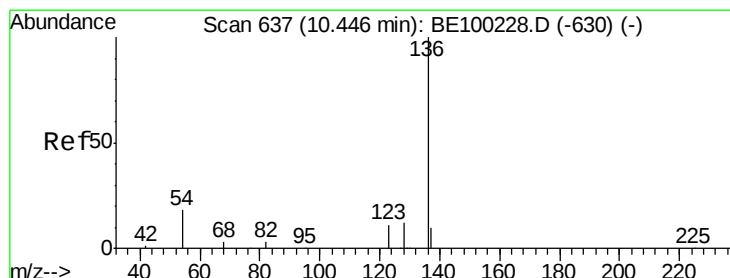
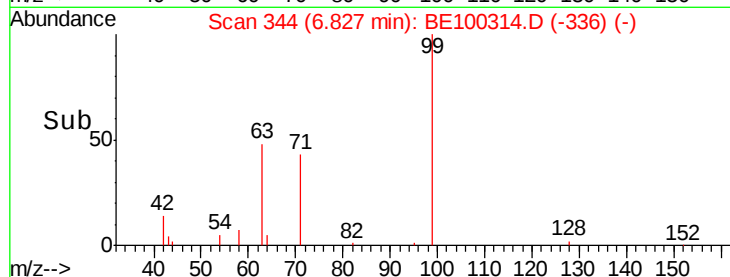
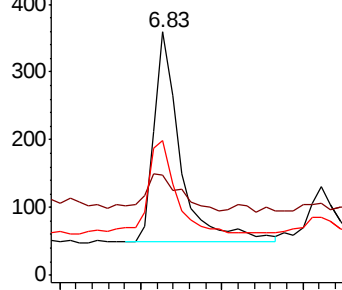


Abundance

Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

Tgt Ion: 136 Resp: 3488

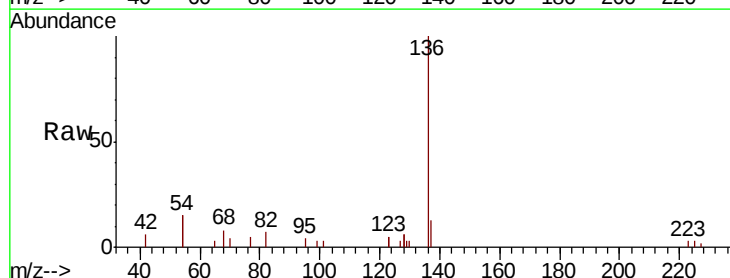
Ion Ratio Lower Upper

136 100

137 12.7 11.8 17.8

54 29.9 27.7 41.5

68 7.6 6.8 10.2



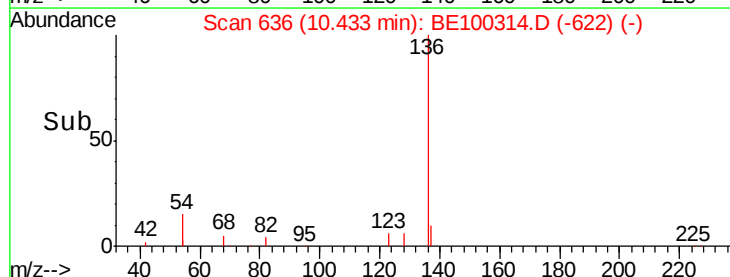
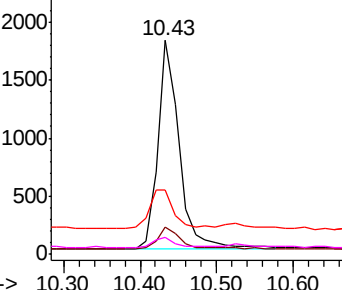
Abundance

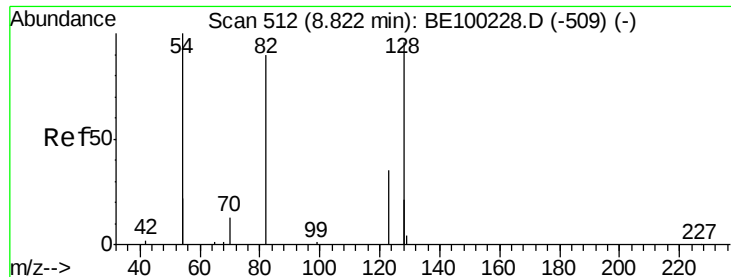
Ion 136.00 (135.70 to 136.70): BE1

Ion 137.00 (136.70 to 137.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.184 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

Instrument :

BNA_E

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PST-013-SW104-062019

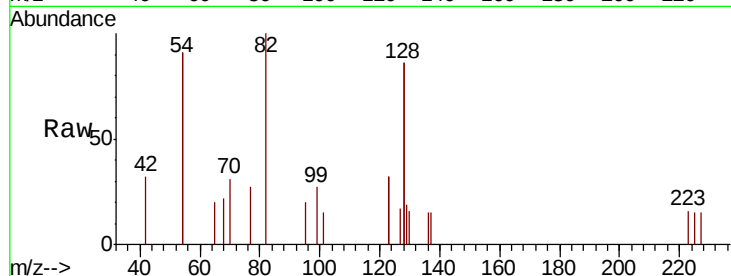
Tgt Ion: 82 Resp: 638

Ion Ratio Lower Upper

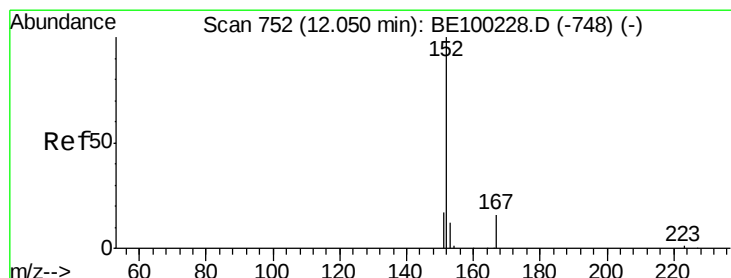
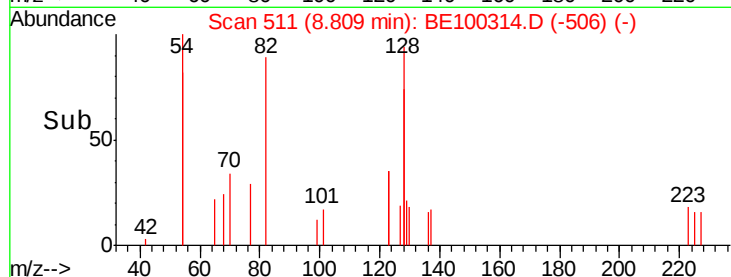
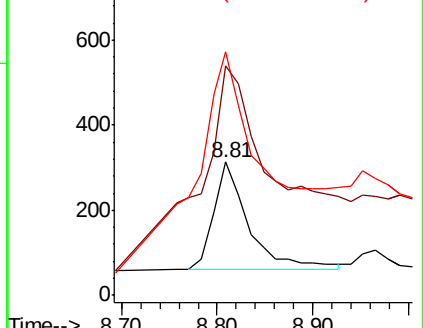
82 100

128 171.9 140.9 211.3

54 182.7 146.2 219.2



Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.177 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100314.D

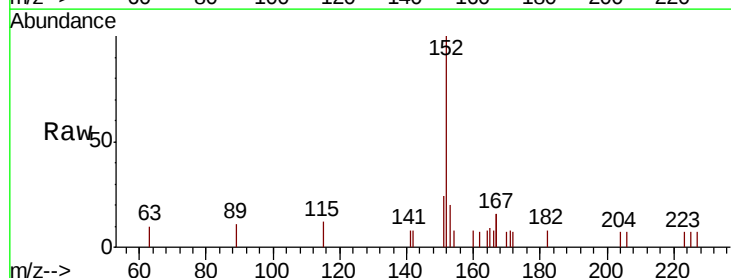
Acq: 2 Jul 2019 22:17

Tgt Ion: 152 Resp: 1160

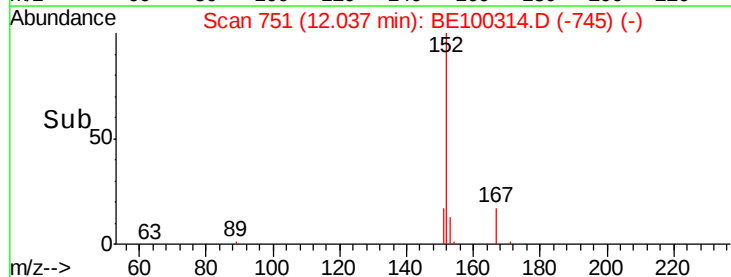
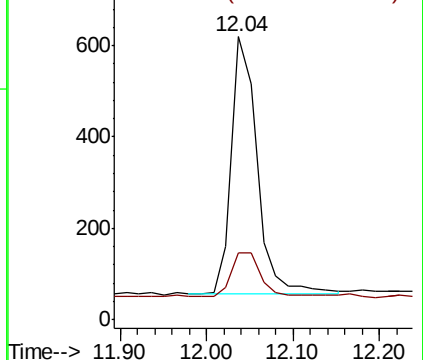
Ion Ratio Lower Upper

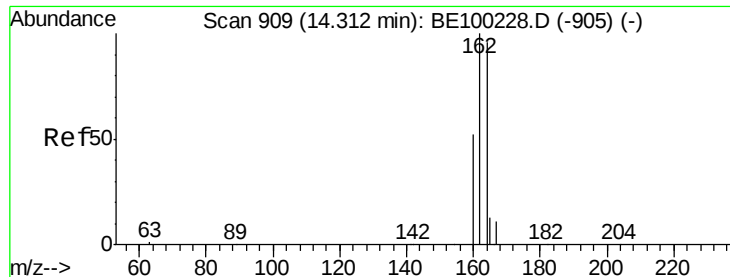
152 100

151 19.5 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E

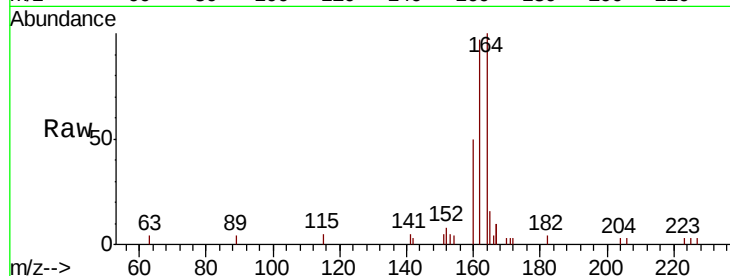




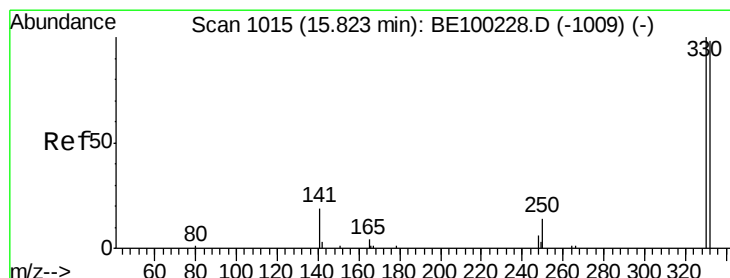
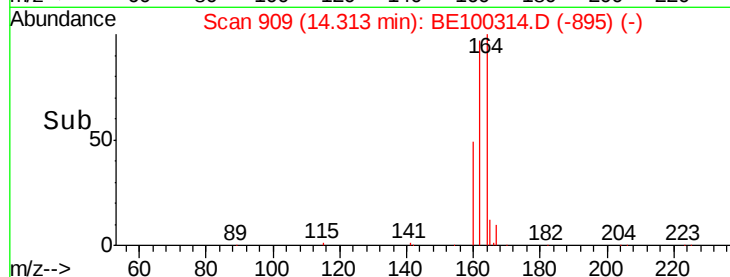
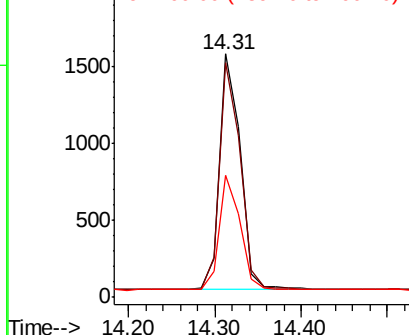
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

Tgt Ion:164 Resp: 2559
Ion Ratio Lower Upper
164 100
162 96.5 83.4 125.0
160 50.2 45.0 67.6

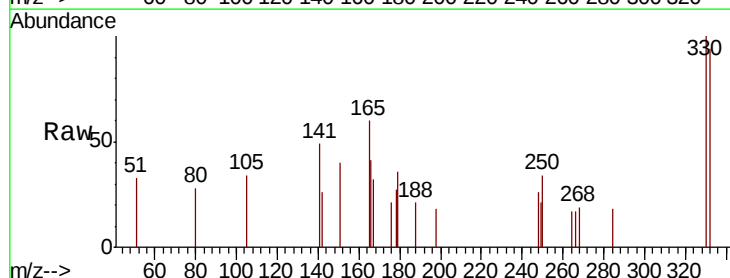


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

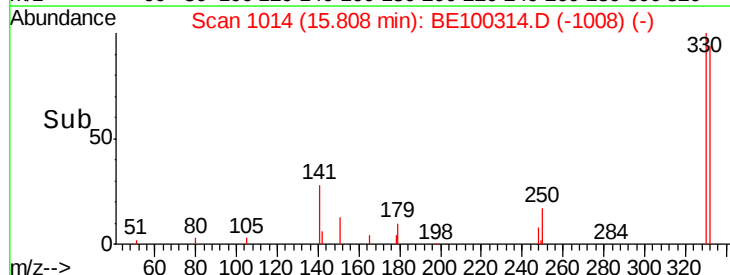
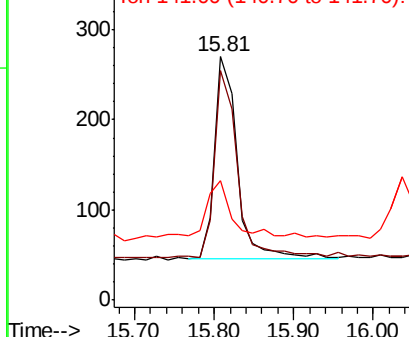


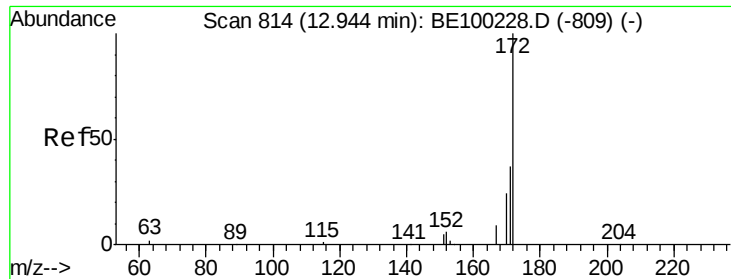
#14
2,4,6-Tribromophenol
Concen: 0.247 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion:330 Resp: 443
Ion Ratio Lower Upper
330 100
332 88.0 77.0 115.4
141 27.1 22.0 33.0



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

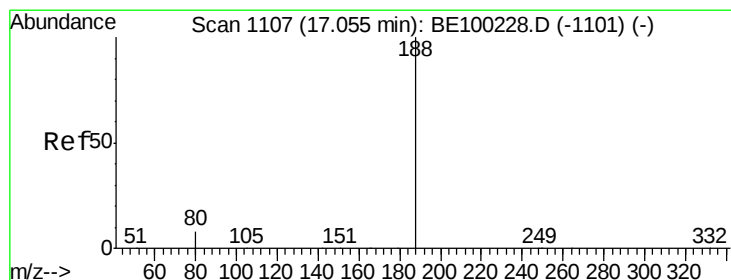
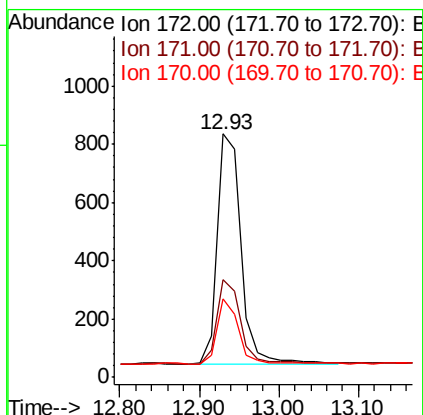
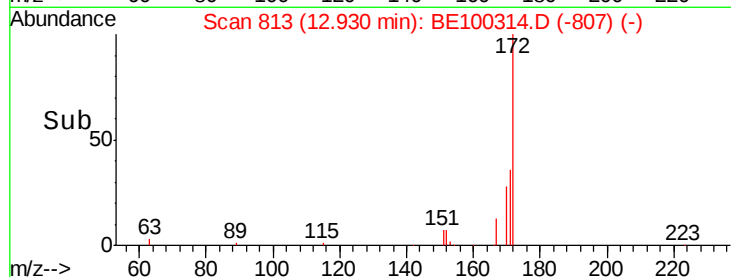
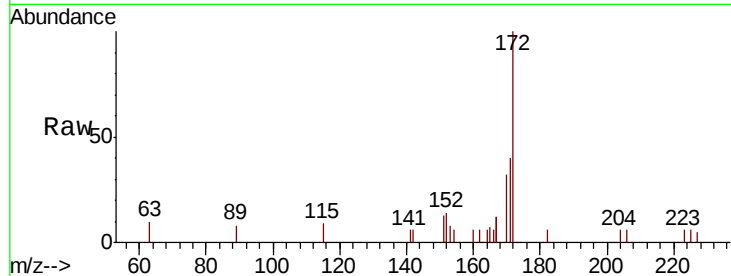




#15
2-Fluorobiphenyl
Concen: 0.163 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

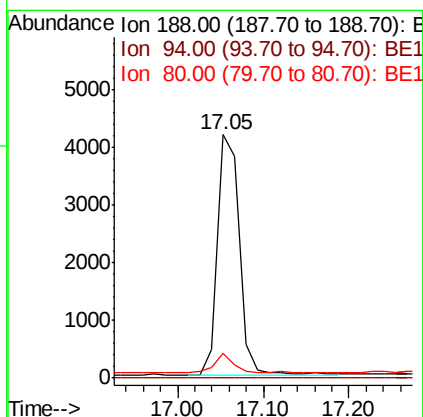
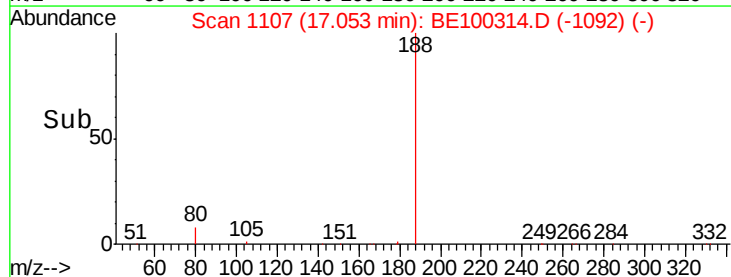
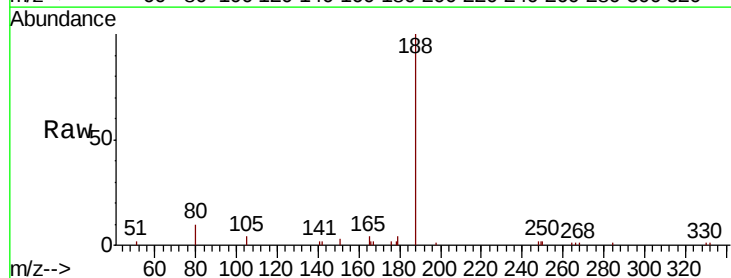
Instrument :
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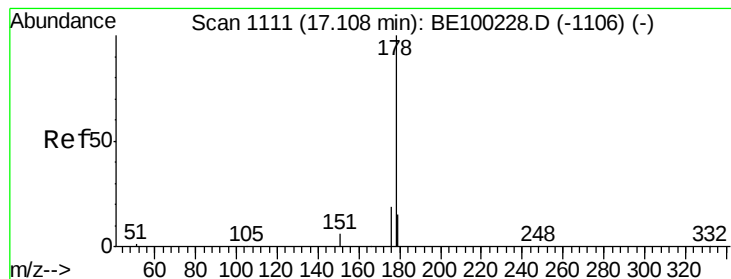
Tgt Ion:172 Resp: 1626
Ion Ratio Lower Upper
172 100
171 40.1 31.9 47.9
170 32.1 22.2 33.2



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion:188 Resp: 7374
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 7.6 11.4





#23

Phenanthrene

Concen: 2.408 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

Instrument :

BNA_E

ClientSampleId :

PST-013-SW104-062019

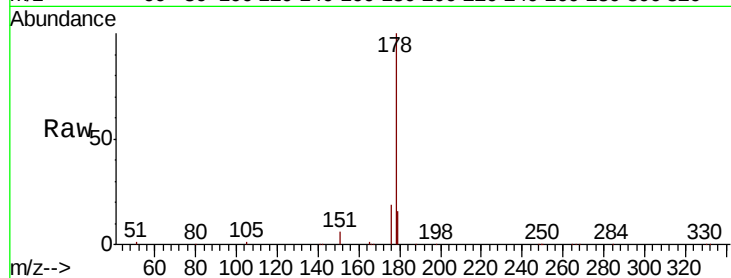
Tgt Ion:178 Resp: 43040

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

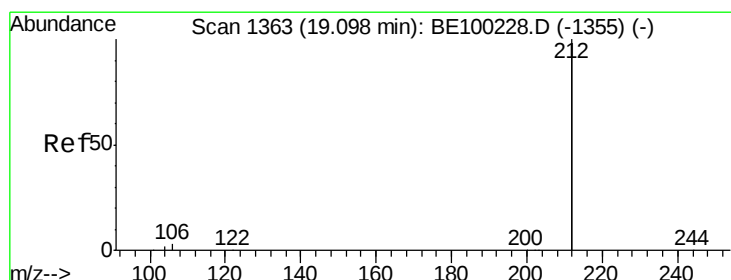
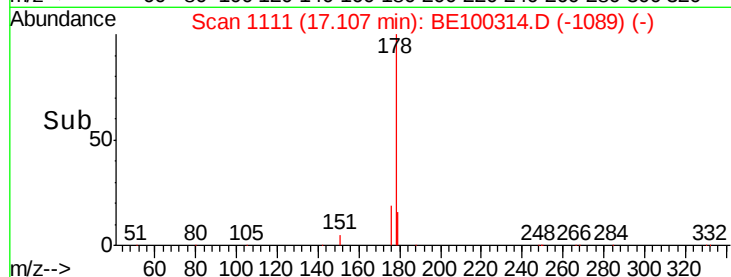
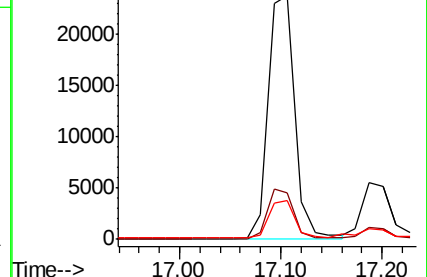
179 15.5 12.2 18.2



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: 0.151 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

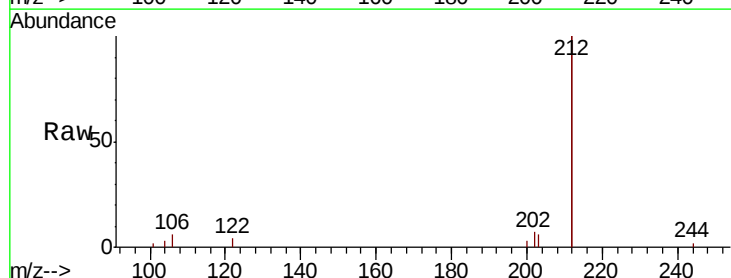
Tgt Ion:212 Resp: 16179

Ion Ratio Lower Upper

212 100

106 1.7 1.3 1.9

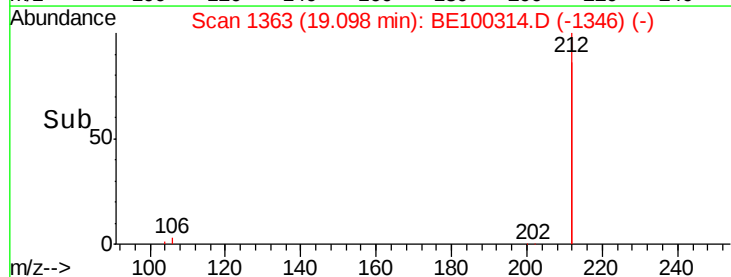
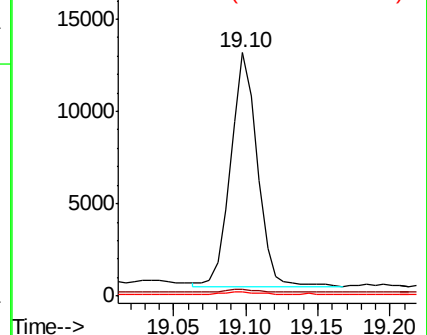
104 1.0 0.8 1.2

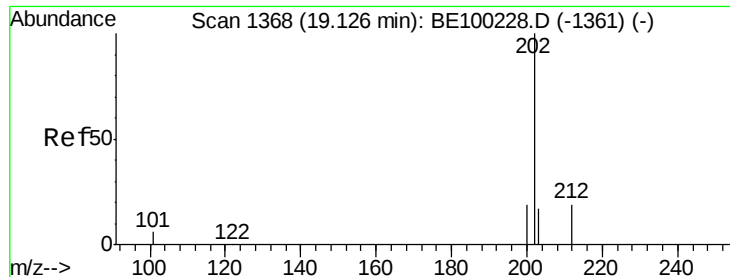


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

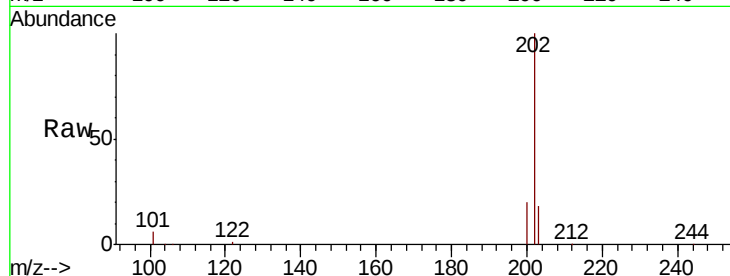




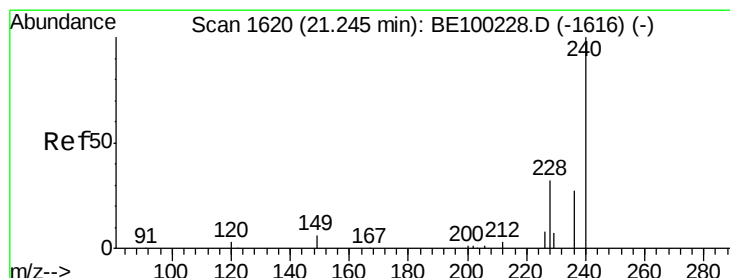
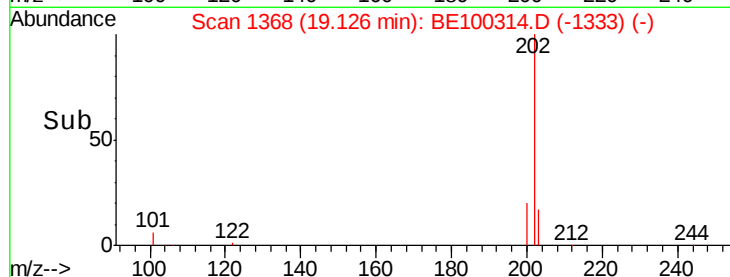
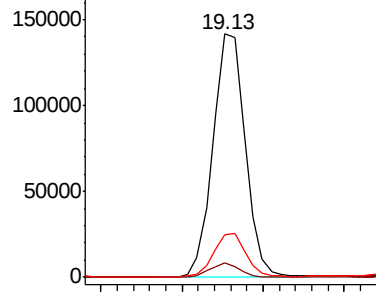
#26
 Fluoranthene
 Concen: 6.844 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100314.D
 Acq: 2 Jul 2019 22:17

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW104-062019

Tgt Ion: 202 Resp: 194832
 Ion Ratio Lower Upper
 202 100
 101 5.4 4.6 7.0
 203 17.6 13.7 20.5

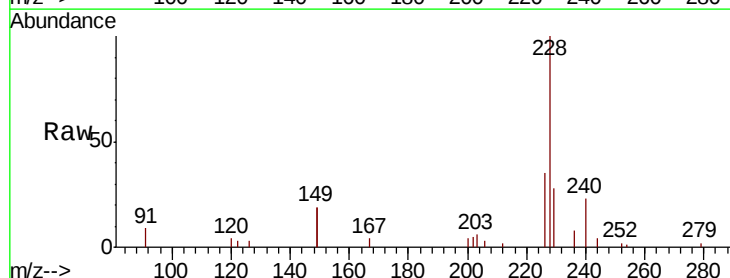


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

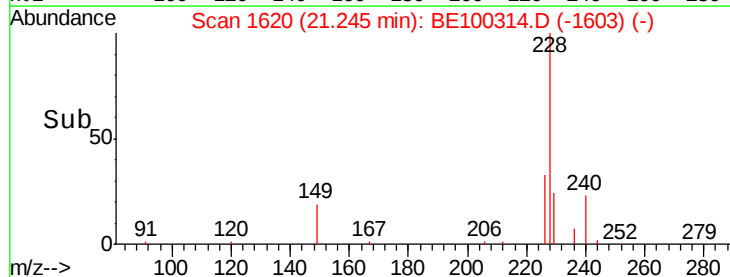
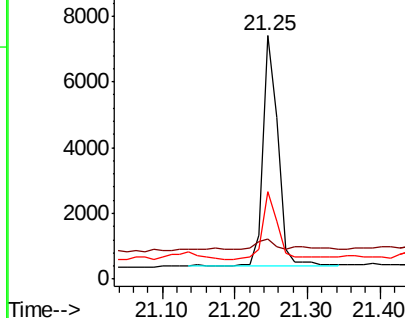


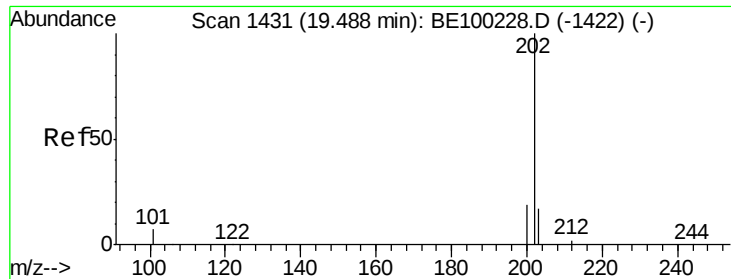
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100314.D
 Acq: 2 Jul 2019 22:17

Tgt Ion: 240 Resp: 9896
 Ion Ratio Lower Upper
 240 100
 120 16.4 3.3 4.9#
 236 35.7 22.6 34.0#



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

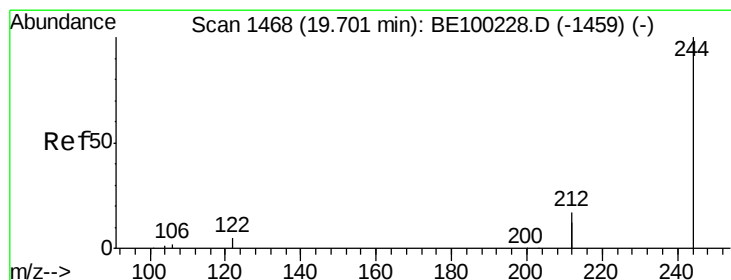
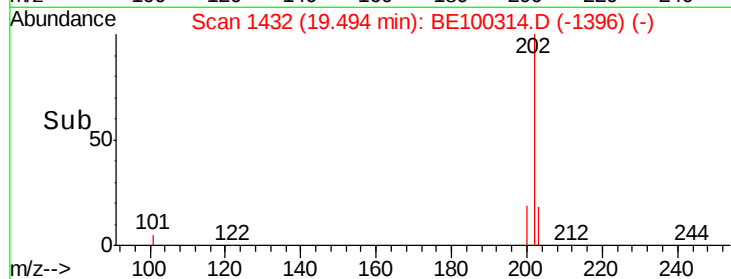
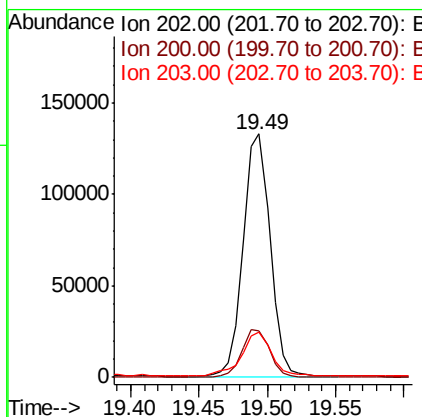
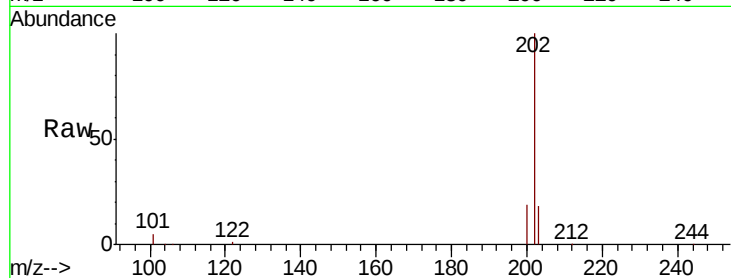




#28
Pyrene
Concen: 6.905 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

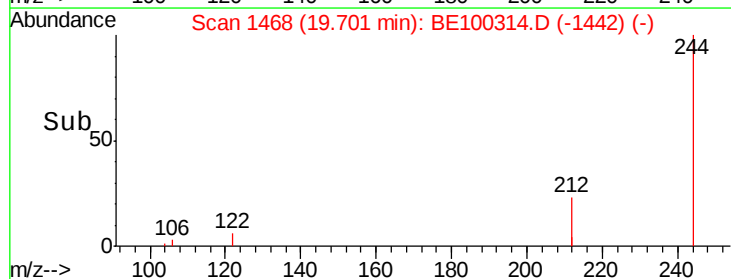
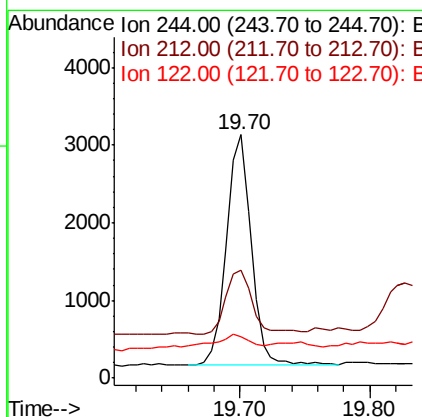
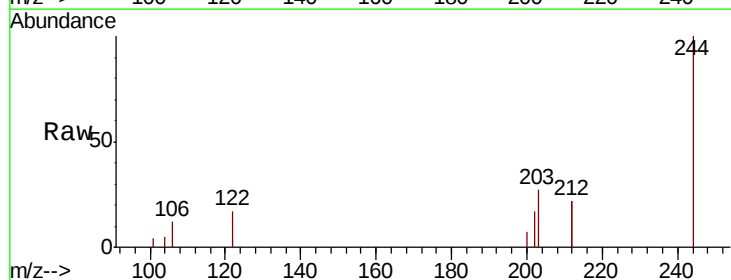
Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

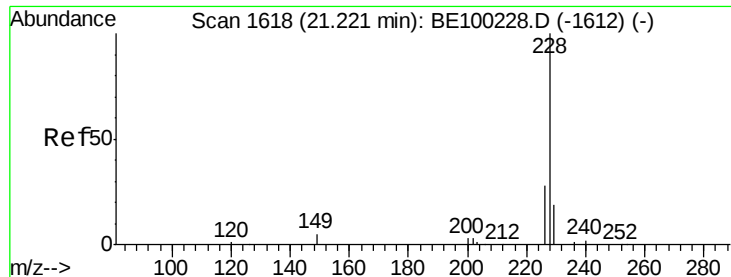
Tgt Ion: 202 Resp: 180922
Ion Ratio Lower Upper
202 100
200 19.8 15.6 23.4
203 19.9 14.0 21.0



#29
Terphenyl-d14
Concen: 0.189 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion: 244 Resp: 3878
Ion Ratio Lower Upper
244 100
212 44.5 27.3 40.9#
122 16.9 4.7 7.1#

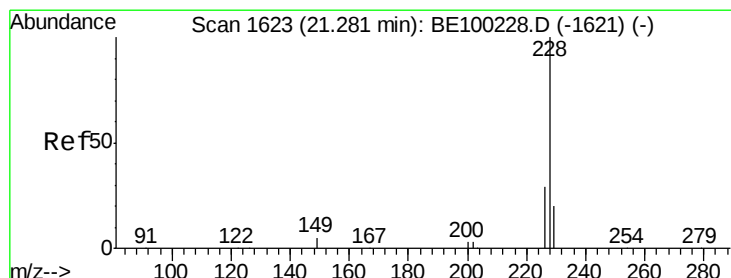
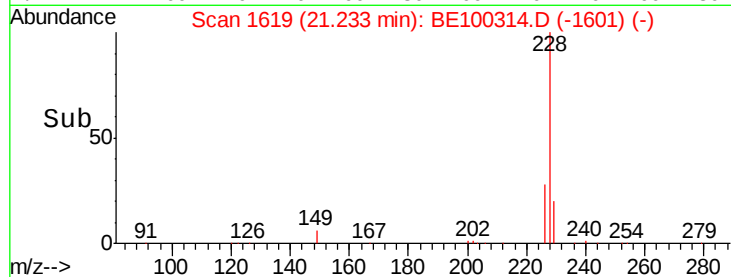
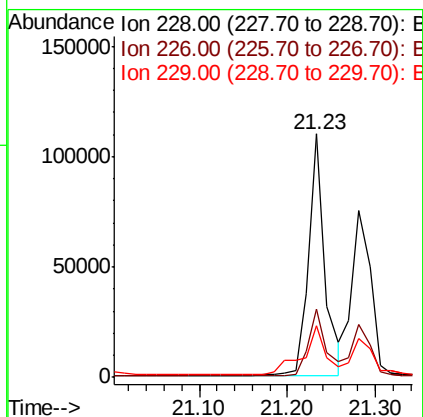
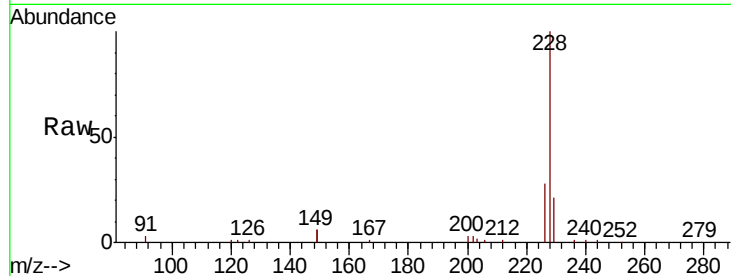




#30
Benzo(a)anthracene
Concen: 4.451 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

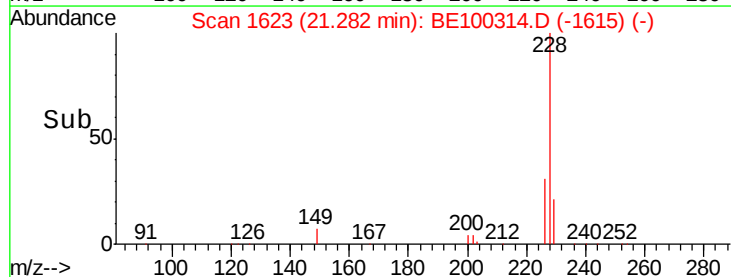
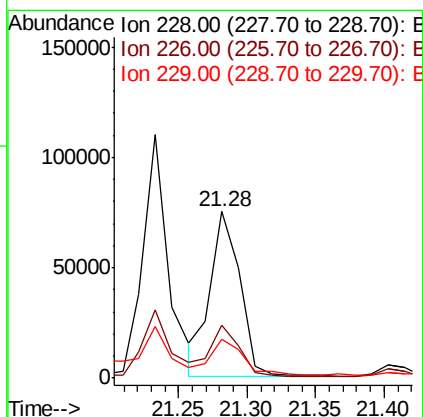
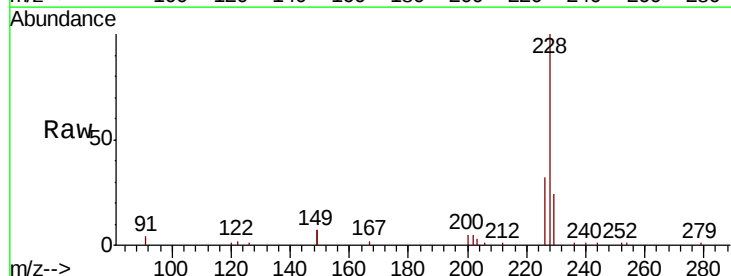
Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

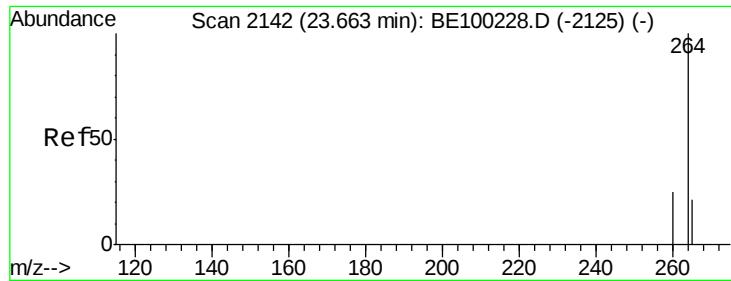
Tgt Ion:228 Resp: 144823
Ion Ratio Lower Upper
228 100
226 28.3 23.2 34.8
229 21.3 15.7 23.5



#31
Chrysene
Concen: 3.418 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion:228 Resp: 111688
Ion Ratio Lower Upper
228 100
226 31.9 23.9 35.9
229 23.5 16.5 24.7

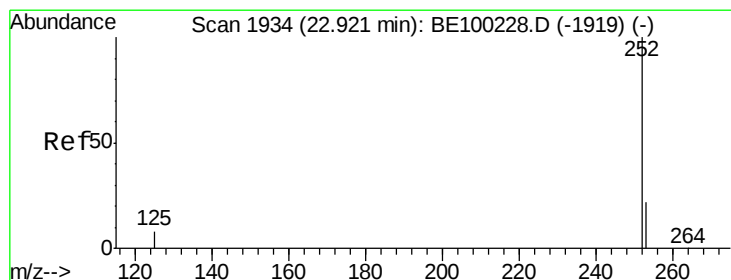
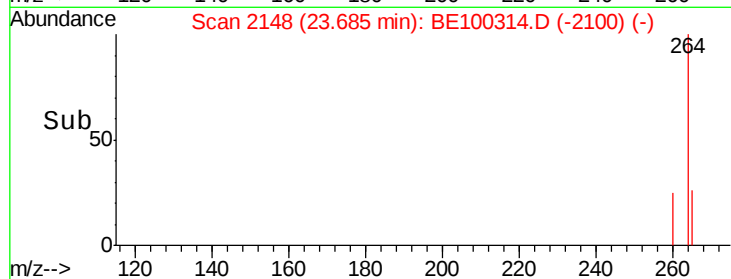
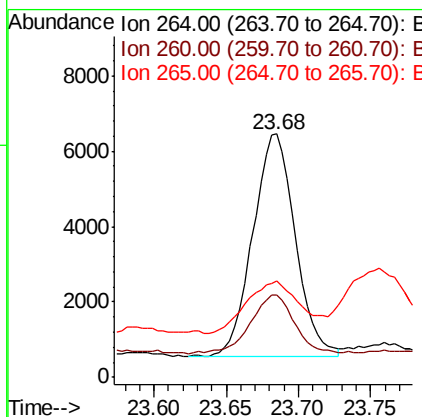
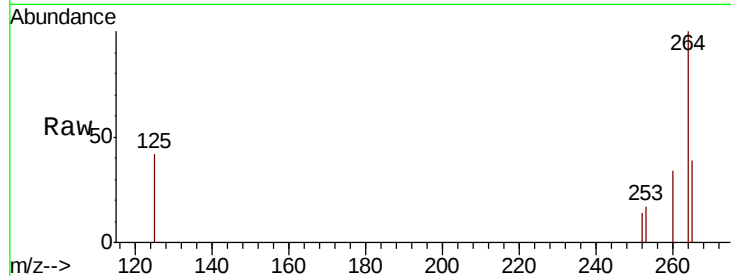




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2148
Delta R.T. 0.02 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

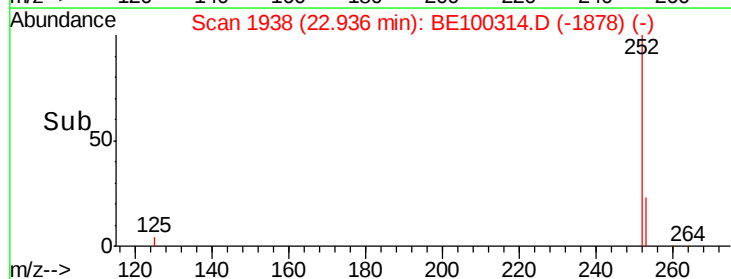
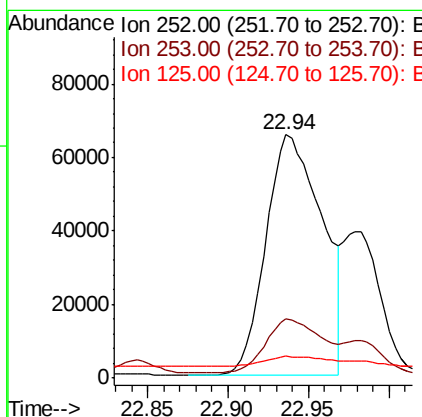
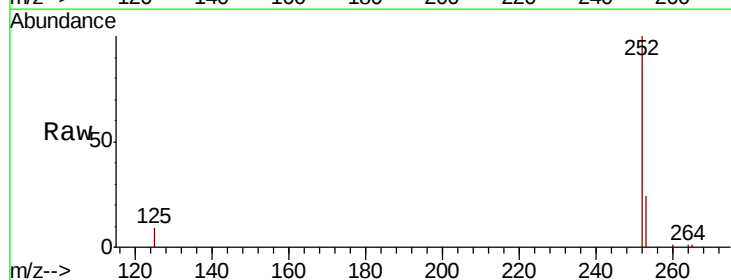
Instrument :
BNA_E
ClientSampleId :
PST-013-SW104-062019

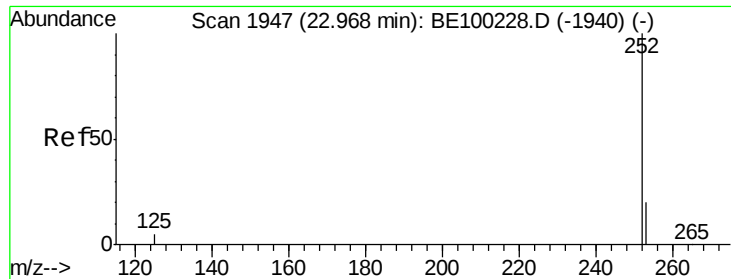
Tgt Ion: 264 Resp: 12007
Ion Ratio Lower Upper
264 100
260 33.6 20.8 31.2#
265 39.5 21.8 32.6#



#35
Benzo(b)fluoranthene
Concen: 4.914 ng
RT: 22.94 min Scan# 1938
Delta R.T. 0.01 min
Lab File: BE100314.D
Acq: 2 Jul 2019 22:17

Tgt Ion: 252 Resp: 159982
Ion Ratio Lower Upper
252 100
253 24.1 19.2 28.8
125 9.1 7.4 11.0





#36

Benzo(k)fluoranthene

Concen: 4.403 ng

RT: 22.94 min Scan# 1938

Delta R.T. -0.03 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

Instrument :

BNA_E

ClientSampleId :

PST-013-SW104-062019

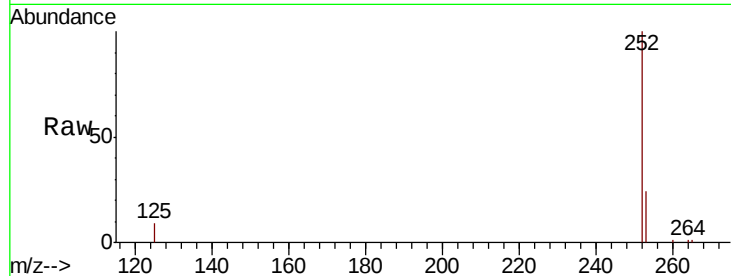
Tgt Ion: 252 Resp: 159982

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 9.1 5.0 7.4#

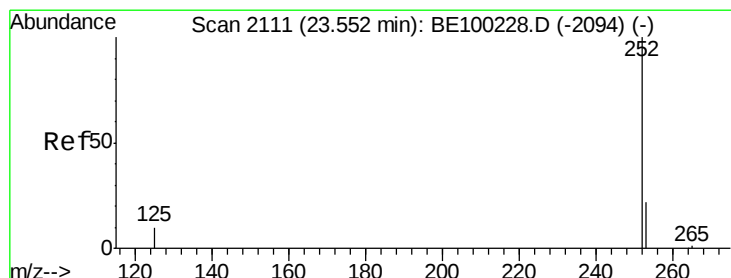
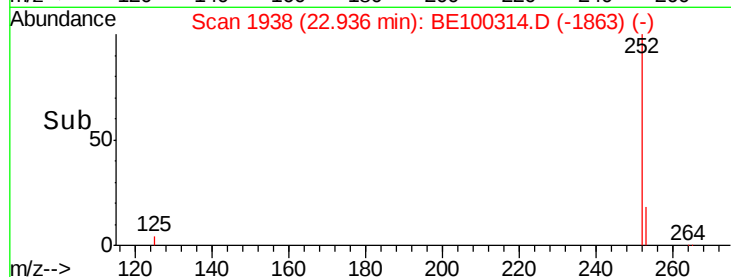
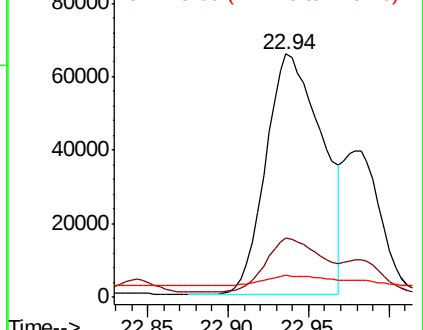


Abundance

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



#37

Benzo(a)pyrene

Concen: 2.376 ng

RT: 23.47 min Scan# 2087

Delta R.T. -0.08 min

Lab File: BE100314.D

Acq: 2 Jul 2019 22:17

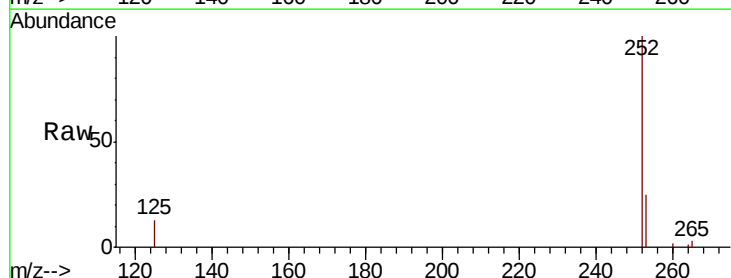
Tgt Ion: 252 Resp: 77523

Ion Ratio Lower Upper

252 100

253 25.2 19.6 29.4

125 12.7 9.0 13.6

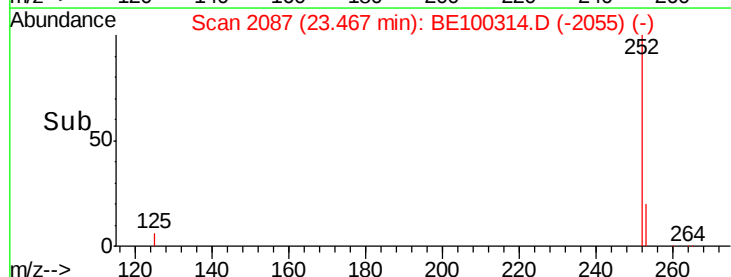
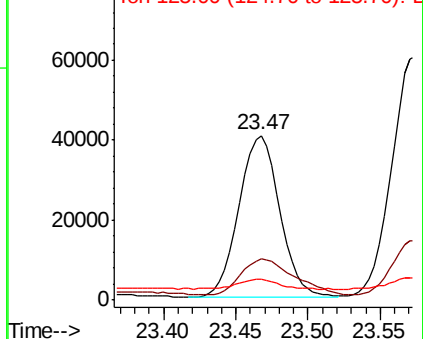


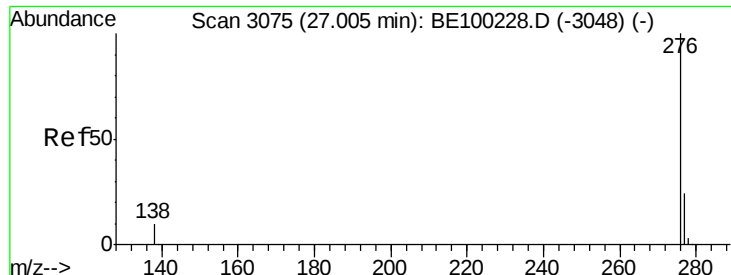
Abundance

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: 2.094 ng

RT: 27.04 min Scan# 3086

Delta R.T. 0.04 min

Lab File: BE100314.D

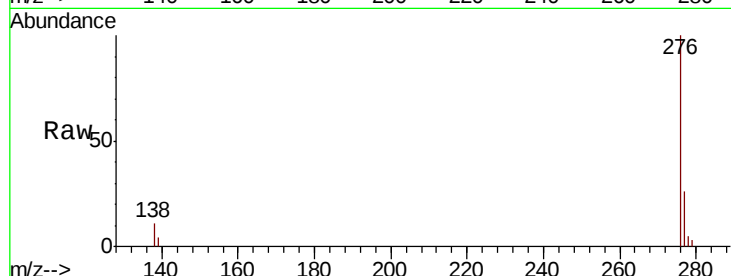
Acq: 2 Jul 2019 22:17

Instrument :

BNA_E

ClientSampleId :

PST-013-SW104-062019



Tgt Ion: 276 Resp: 73286

Ion Ratio Lower Upper

276 100

277 26.1 20.2 30.2

138 10.8 9.0 13.6

