

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070219\
 Data File : BE100312.D
 Acq On : 2 Jul 2019 21:05
 Operator : JU/SJ
 Sample : K3505-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW106-062019

Quant Time: Jul 03 02:14:17 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

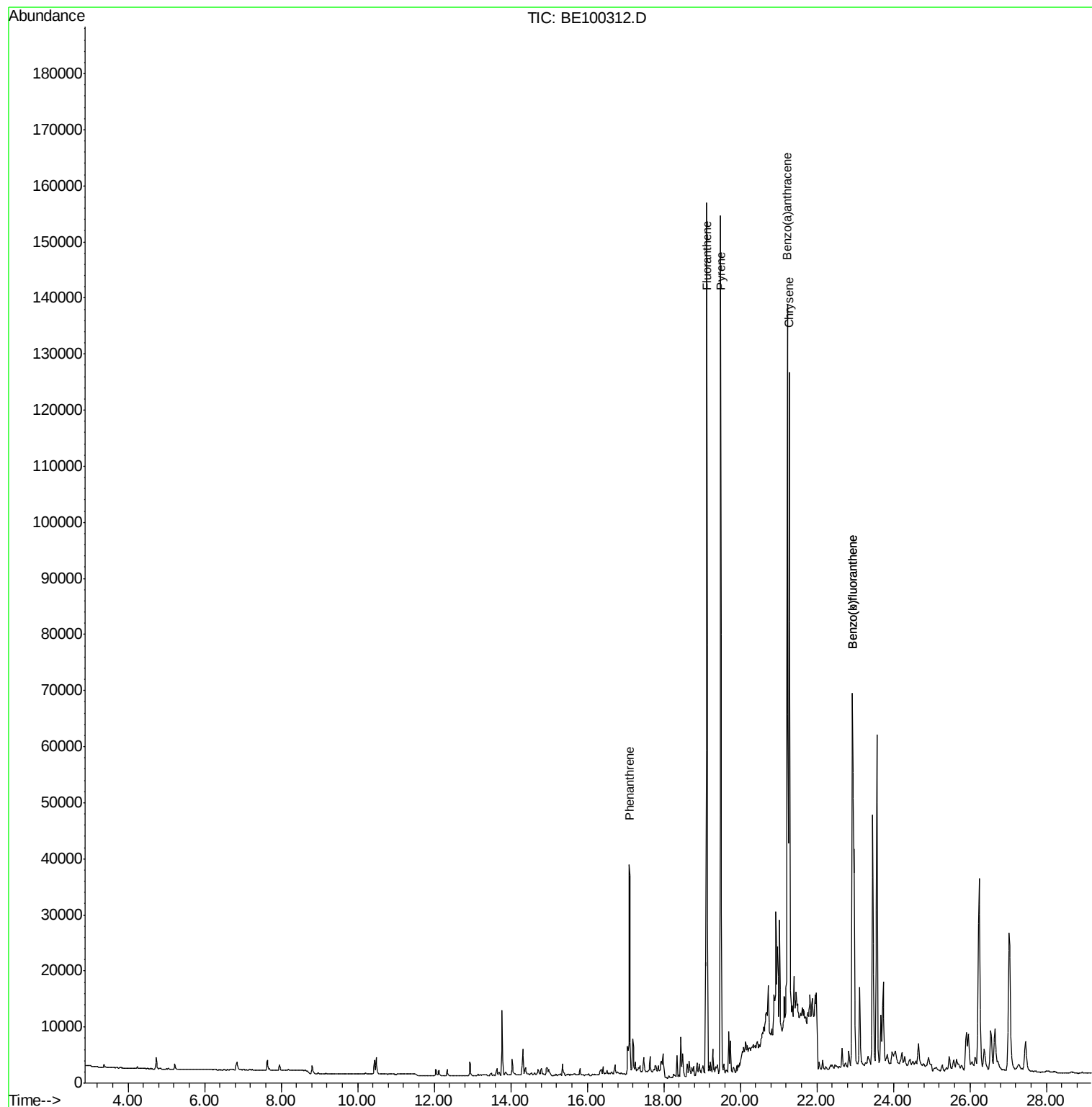
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1090	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3673	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2901	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	8051	0.40	ng	0.00
27) Chrysene-d12	21.24	240	10520	0.40	ng	0.00
34) Perylene-d12	23.68	264	12530	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	777	0.28	ng	0.01
5) Phenol-d6	6.83	99	1099	0.30	ng	-0.01
8) Nitrobenzene-d5	8.81	82	949	0.26	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1933	0.28	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	688	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2936	0.26	ng	-0.01
25) Fluoranthene-d10	19.10	212	29121	0.25	ng	0.00
29) Terphenyl-d14	19.70	244	6308	0.29	ng	0.00
Target Compounds						Qvalue
23) Phenanthrene	17.09	178	47695	2.444	ng	99
26) Fluoranthene	19.13	202	144786	4.658	ng	99
28) Pyrene	19.49	202	141764	5.090	ng	96
30) Benzo(a)anthracene	21.23	228	115009	3.325	ng	97
31) Chrysene	21.28	228	102391	2.948	ng	97
35) Benzo(b)fluoranthene	22.93	252	127448	3.752	ng	# 96
36) Benzo(k)fluoranthene	22.93	252	127448	3.361	ng	98

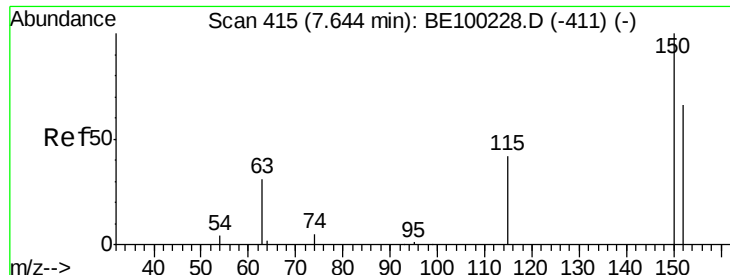
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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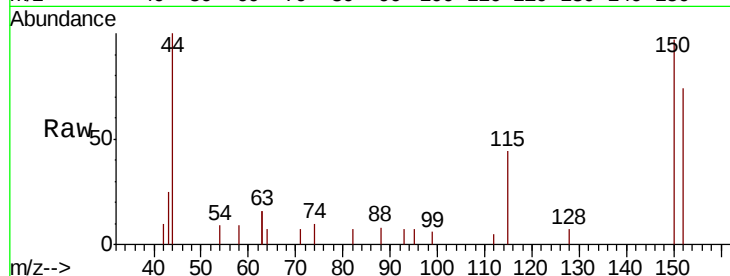




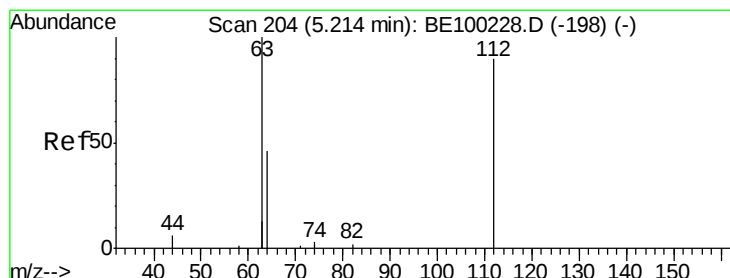
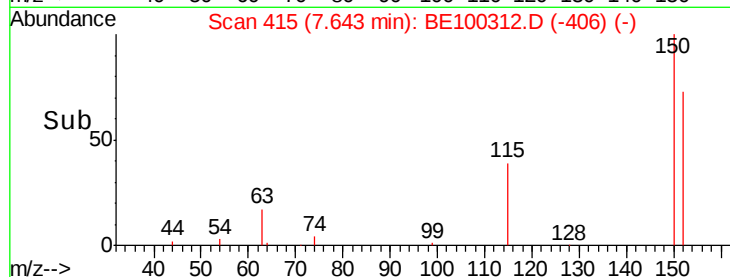
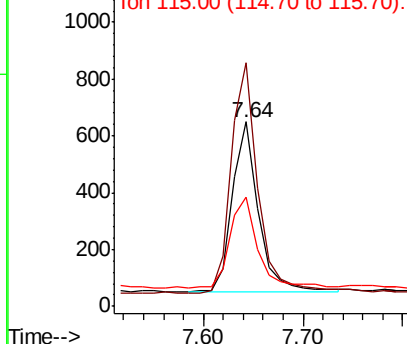
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.64 min Scan# 415
 Delta R.T. -0.00 min
 Lab File: BE100312.D
 Acq: 2 Jul 2019 21:05

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW106-062019

Tgt Ion:152 Resp: 1090
 Ion Ratio Lower Upper
 152 100
 150 132.0 114.5 171.7
 115 59.5 57.1 85.7

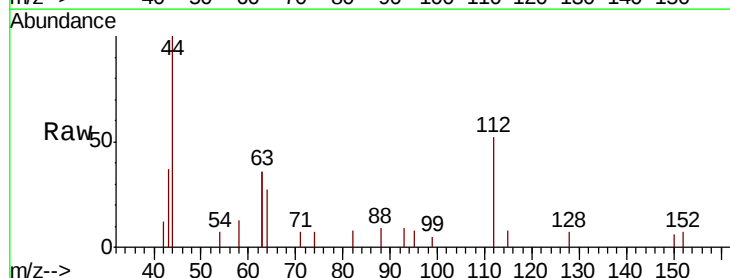


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

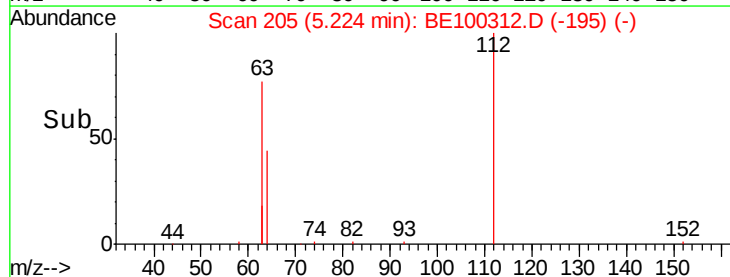
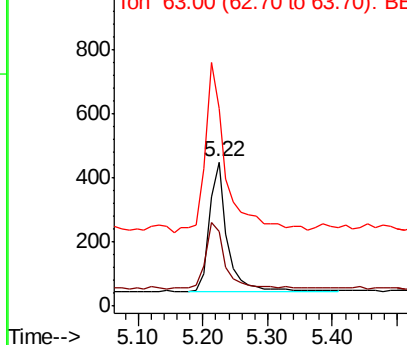


#4
 2-Fluorophenol
 Concen: 0.279 ng
 RT: 5.22 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: BE100312.D
 Acq: 2 Jul 2019 21:05

Tgt Ion:112 Resp: 777
 Ion Ratio Lower Upper
 112 100
 64 55.1 39.4 59.0
 63 154.6 104.5 156.7



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: 0.301 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100312.D

Acq: 2 Jul 2019 21:05

Instrument :

BNA_E

ClientSampleId :

PST-013-SW106-062019

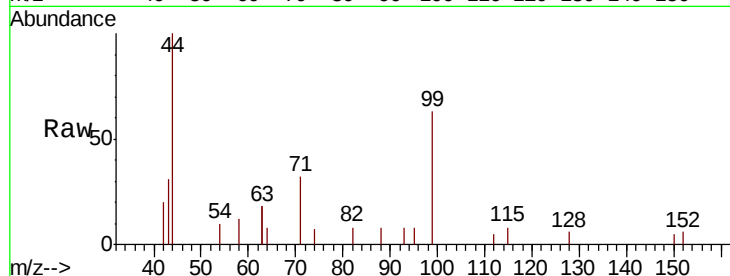
Tgt Ion: 99 Resp: 1099

Ion Ratio Lower Upper

99 100

42 17.7 11.2 16.8#

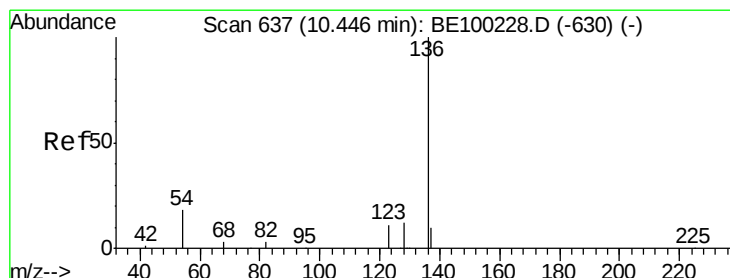
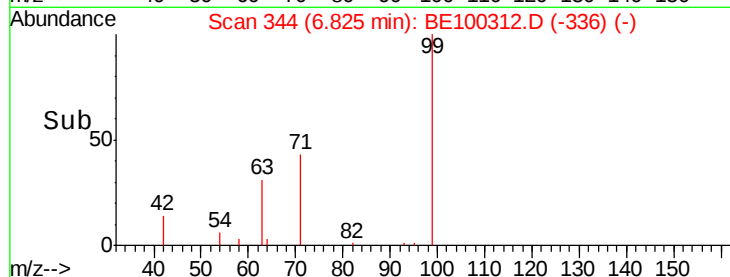
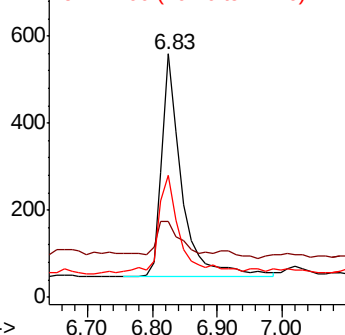
71 41.5 37.2 55.8



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: BE100312.D

Acq: 2 Jul 2019 21:05

Tgt Ion: 136 Resp: 3673

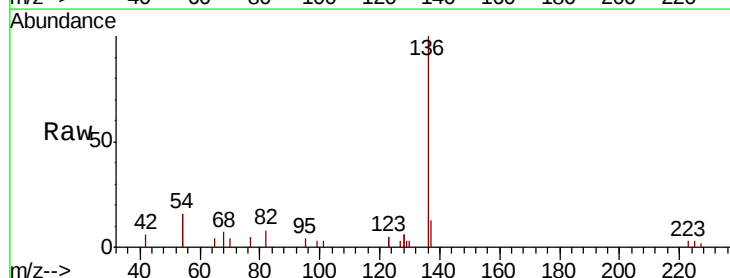
Ion Ratio Lower Upper

136 100

137 12.8 11.8 17.8

54 31.1 27.7 41.5

68 7.0 6.8 10.2

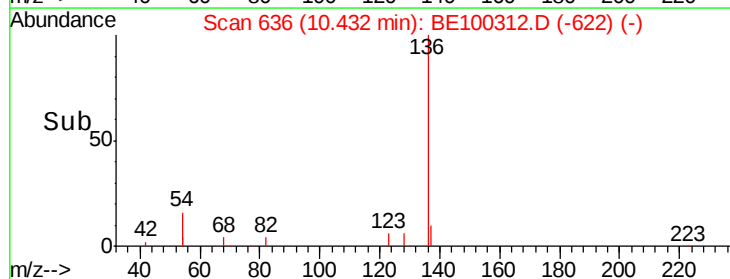
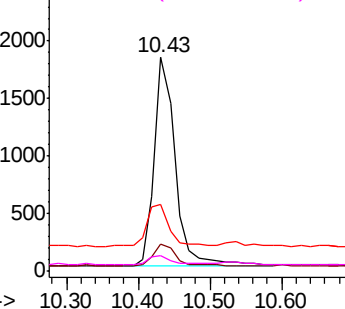


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.260 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100312.D

Acq: 2 Jul 2019 21:05

Instrument :

BNA_E

ClientSampleId :

PST-013-SW106-062019

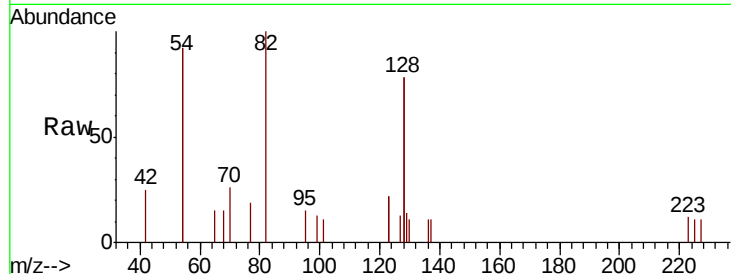
Tgt Ion: 82 Resp: 949

Ion Ratio Lower Upper

82 100

128 156.2 140.9 211.3

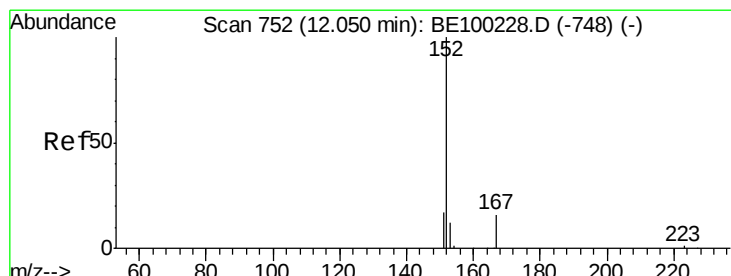
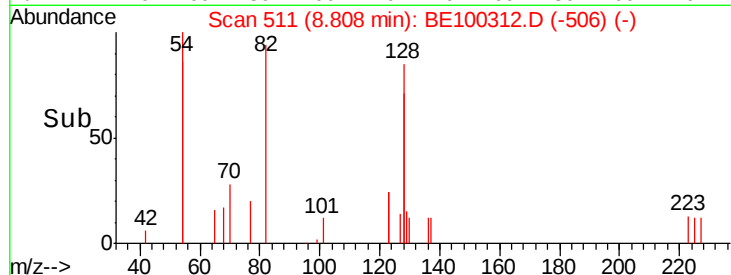
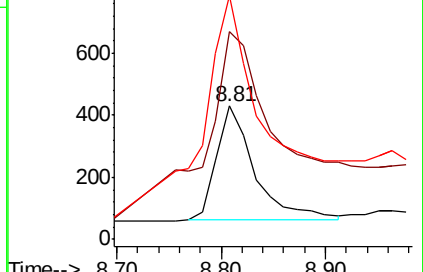
54 183.2 146.2 219.2



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.280 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100312.D

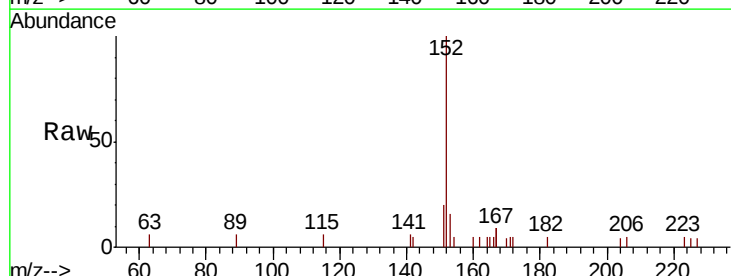
Acq: 2 Jul 2019 21:05

Tgt Ion: 152 Resp: 1933

Ion Ratio Lower Upper

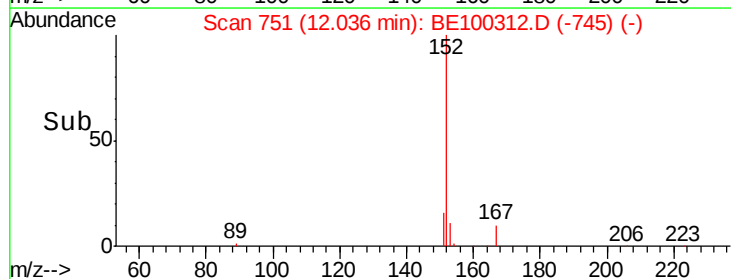
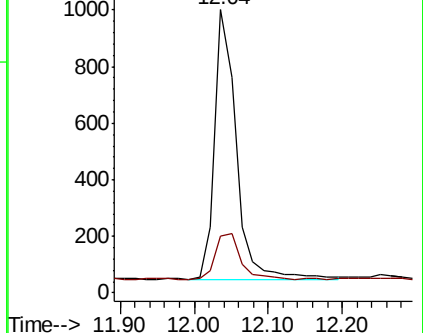
152 100

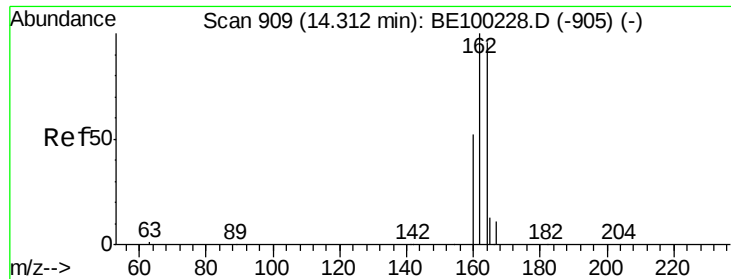
151 20.3 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

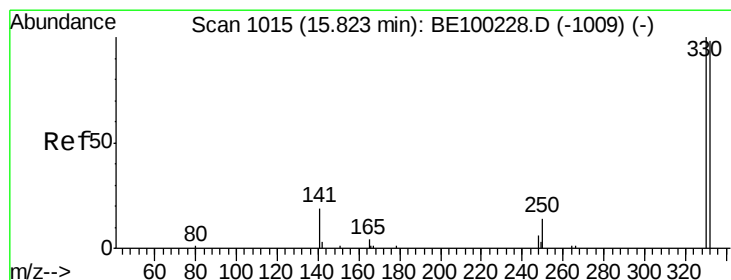
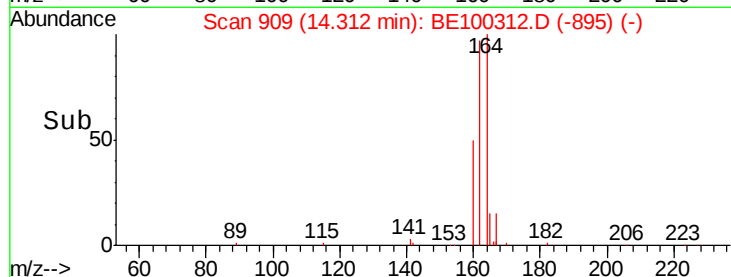
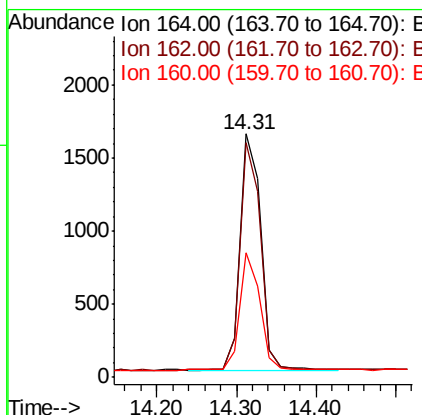
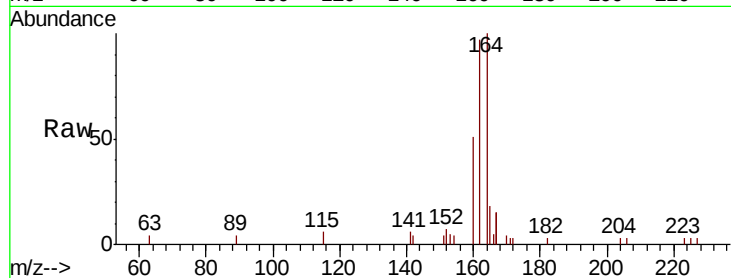




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100312.D
Acq: 2 Jul 2019 21:05

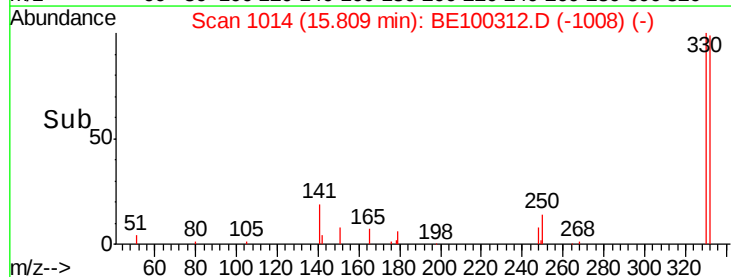
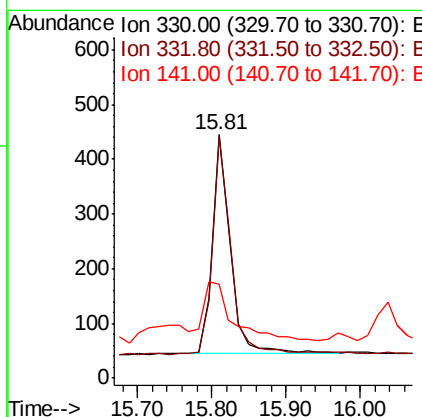
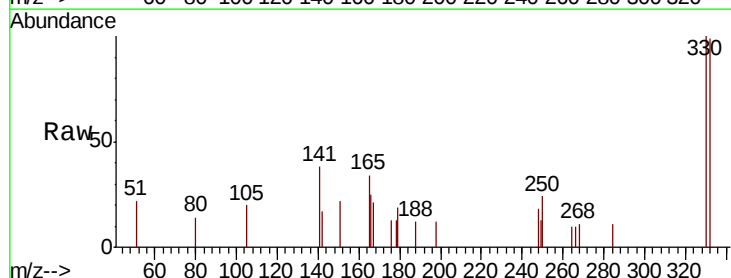
Instrument :
BNA_E
ClientSampleId :
PST-013-SW106-062019

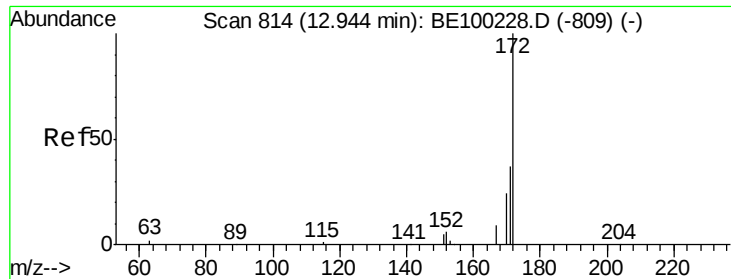
Tgt Ion:164 Resp: 2901
Ion Ratio Lower Upper
164 100
162 96.6 83.4 125.0
160 51.4 45.0 67.6



#14
2,4,6-Tribromophenol
Concen: 0.339 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100312.D
Acq: 2 Jul 2019 21:05

Tgt Ion:330 Resp: 688
Ion Ratio Lower Upper
330 100
332 99.0 77.0 115.4
141 41.4 22.0 33.0#

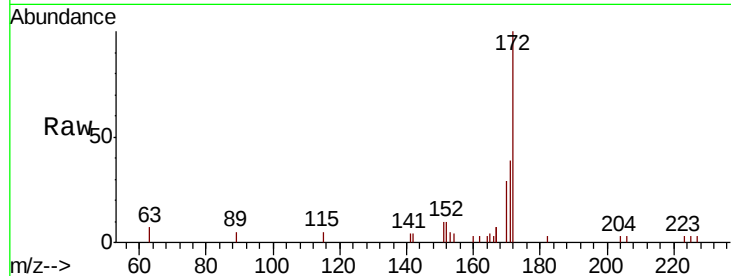




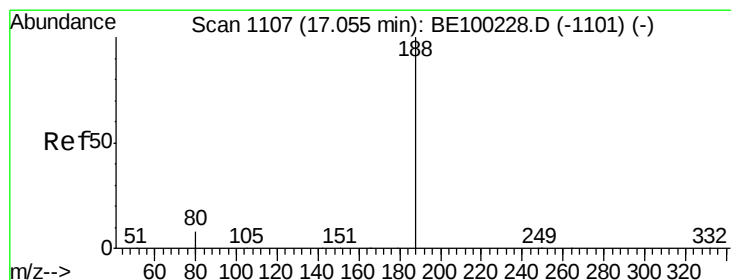
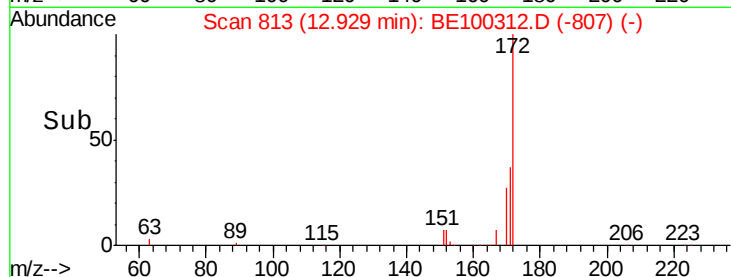
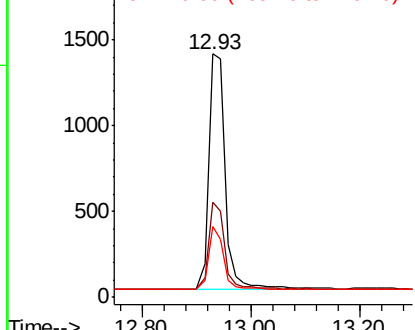
#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100312.D
Acq: 2 Jul 2019 21:05

Instrument :
BNA_E
ClientSampleId :
PST-013-SW106-062019

Tgt Ion:172 Resp: 2936
Ion Ratio Lower Upper
172 100
171 39.0 31.9 47.9
170 29.1 22.2 33.2

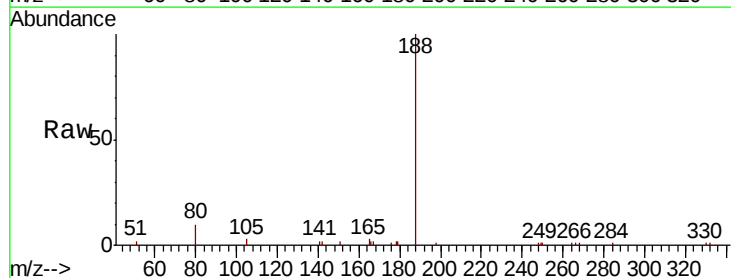


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

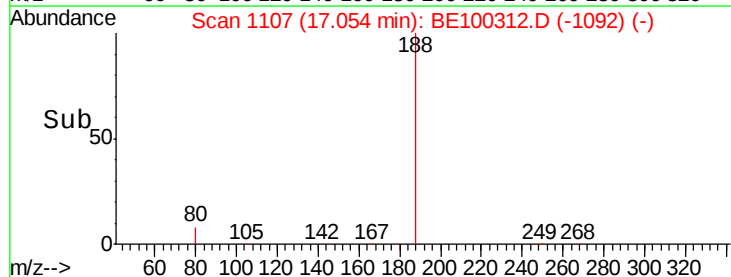
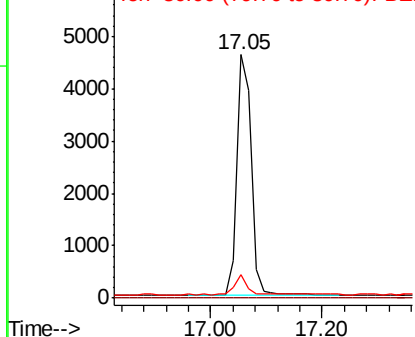


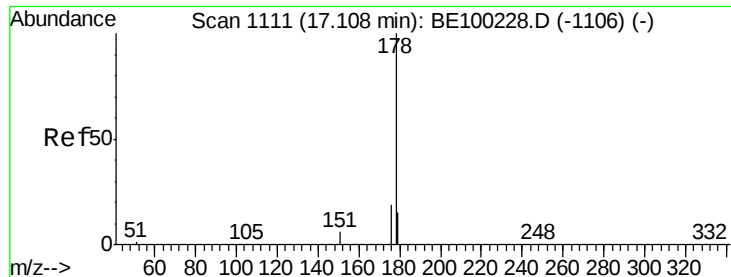
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100312.D
Acq: 2 Jul 2019 21:05

Tgt Ion:188 Resp: 8051
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.5 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1





#23

Phenanthrene

Concen: 2.444 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100312.D

Acq: 2 Jul 2019 21:05

Instrument :

BNA_E

ClientSampleId :

PST-013-SW106-062019

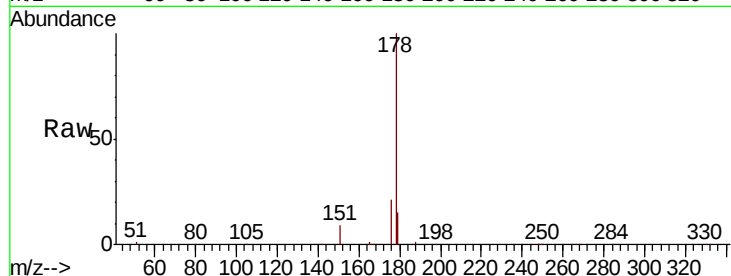
Tgt Ion:178 Resp: 47695

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

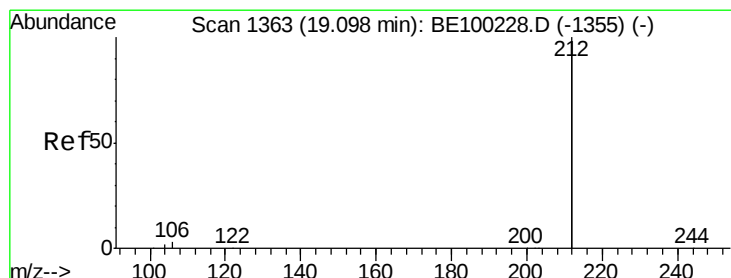
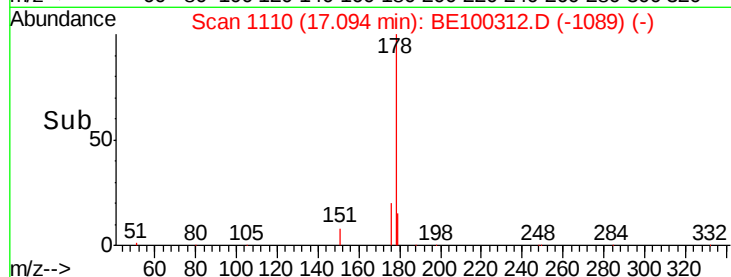
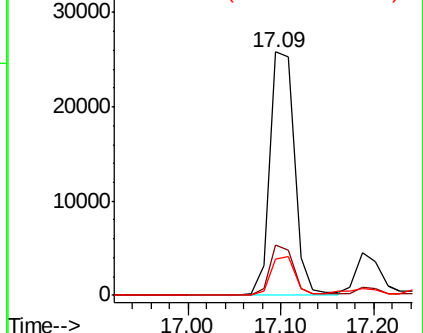
179 15.5 12.2 18.2



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: 0.249 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100312.D

Acq: 2 Jul 2019 21:05

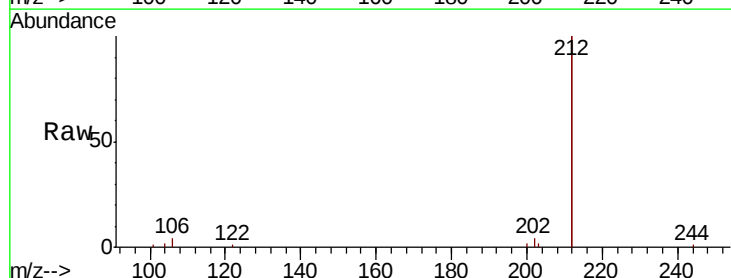
Tgt Ion:212 Resp: 29121

Ion Ratio Lower Upper

212 100

106 1.7 1.3 1.9

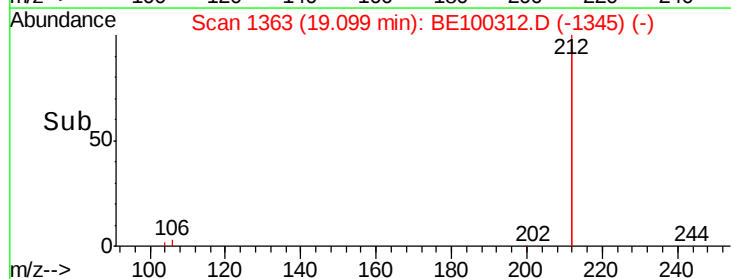
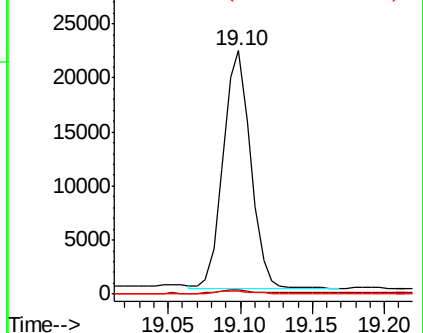
104 1.0 0.8 1.2

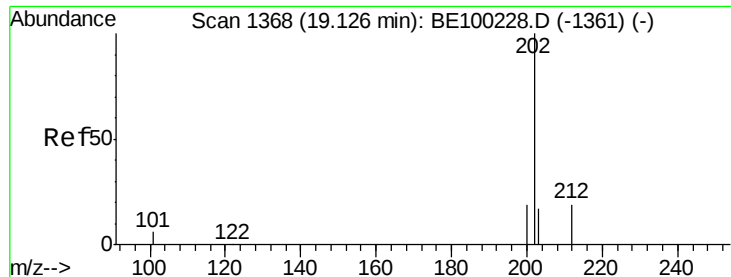


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 4.658 ng

RT: 19.13 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE100312.D

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Instrument :

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ClientSampleId :

PST-013-SW106-062019

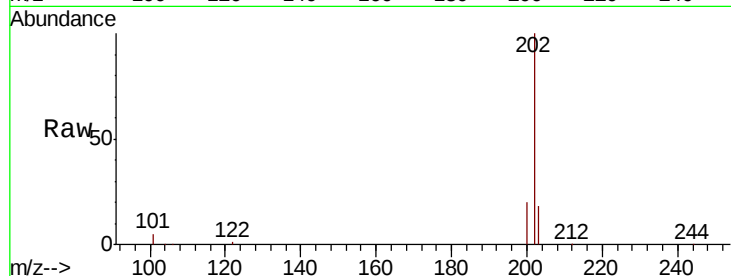
Tgt Ion: 202 Resp: 144786

Ion Ratio Lower Upper

202 100

101 5.5 4.6 7.0

203 17.6 13.7 20.5

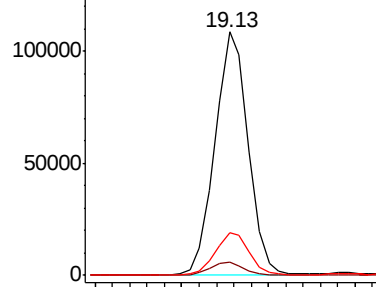


Abundance

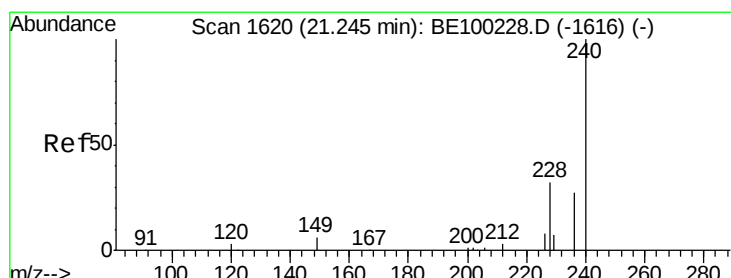
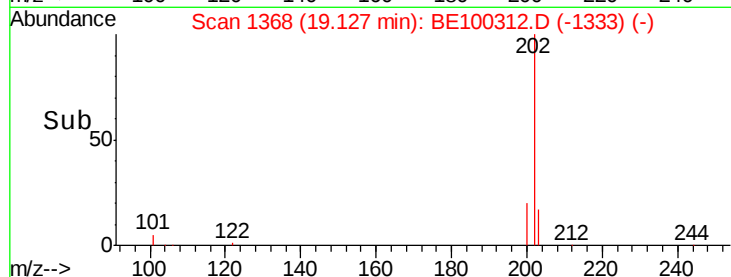
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.24 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100312.D

Acq: 2 Jul 2019 21:05

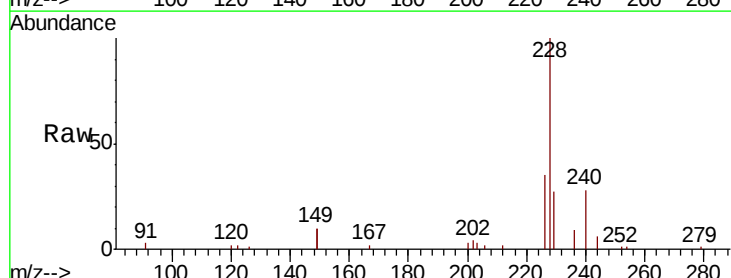
Tgt Ion: 240 Resp: 10520

Ion Ratio Lower Upper

240 100

120 8.0 3.3 4.9#

236 31.2 22.6 34.0

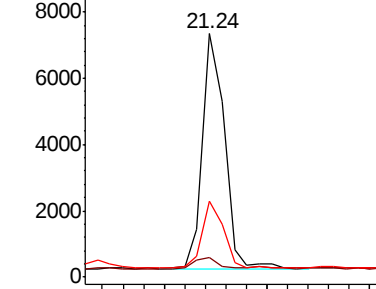


Abundance

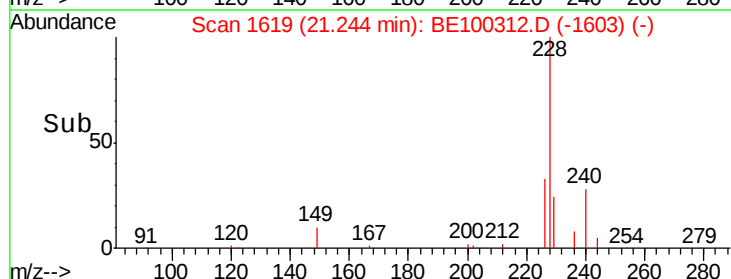
Ion 240.00 (239.70 to 240.70): E

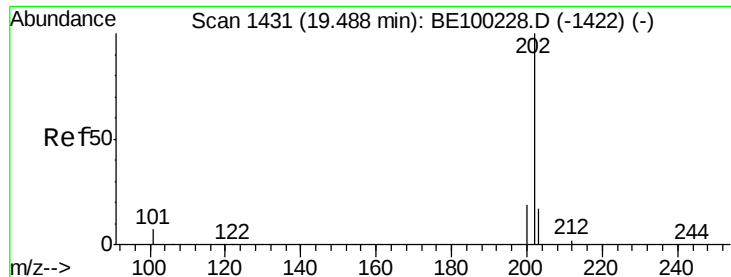
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

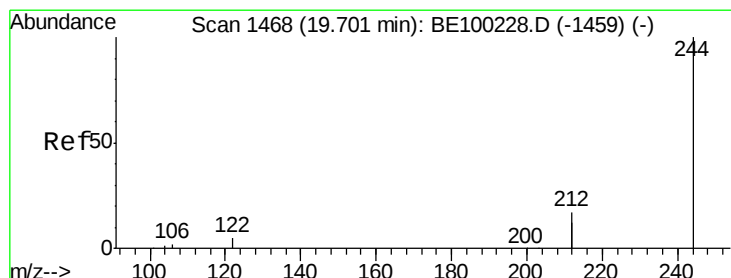
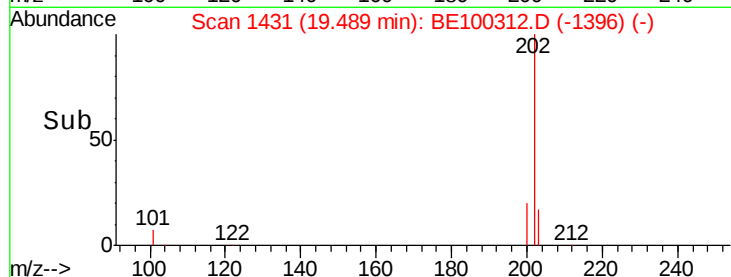
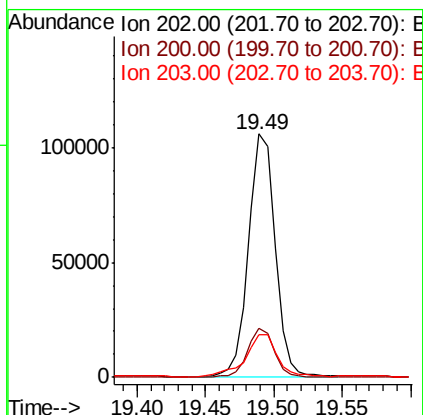
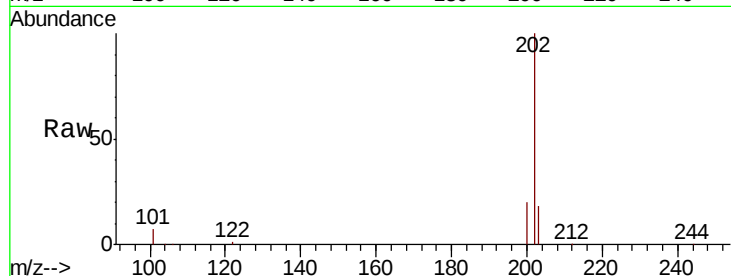




#28
 Pyrene
 Concen: 5.090 ng
 RT: 19.49 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE100312.D
 Acq: 2 Jul 2019 21:05

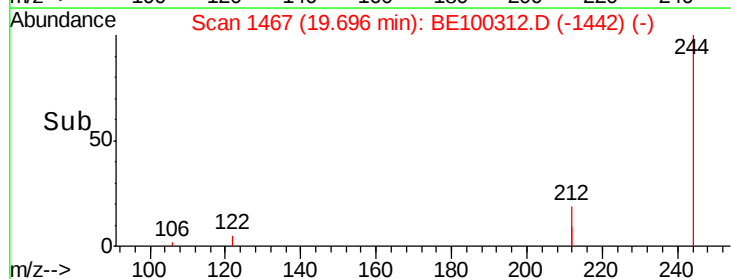
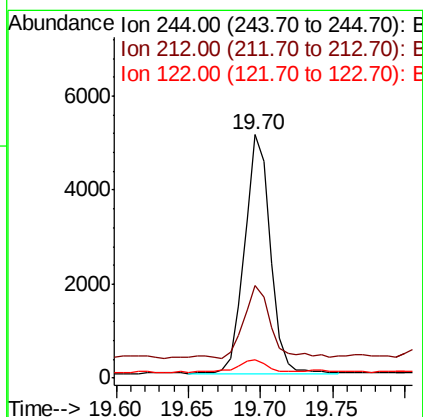
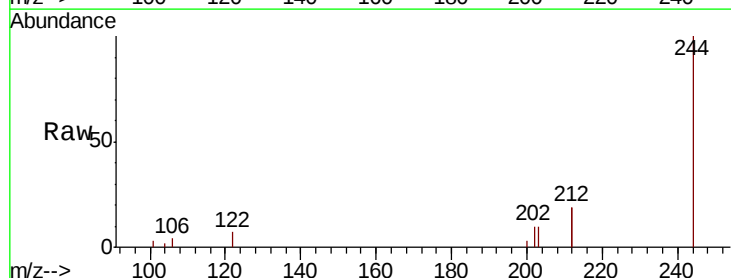
Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW106-062019

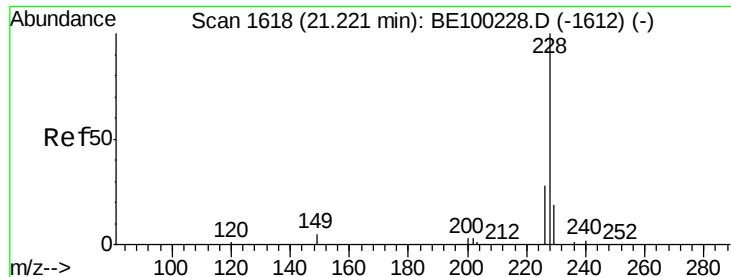
Tgt Ion: 202 Resp: 141764
 Ion Ratio Lower Upper
 202 100
 200 19.9 15.6 23.4
 203 20.6 14.0 21.0



#29
 Terphenyl-d14
 Concen: 0.289 ng
 RT: 19.70 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BE100312.D
 Acq: 2 Jul 2019 21:05

Tgt Ion: 244 Resp: 6308
 Ion Ratio Lower Upper
 244 100
 212 38.0 27.3 40.9
 122 7.4 4.7 7.1#





#30

Benzo(a)anthracene

Concen: 3.325 ng

RT: 21.23 min Scan# 1618

Delta R.T. 0.01 min

Lab File: BE100312.D

Acq: 2 Jul 2019 21:05

Instrument :

BNA_E

ClientSampleId :

PST-013-SW106-062019

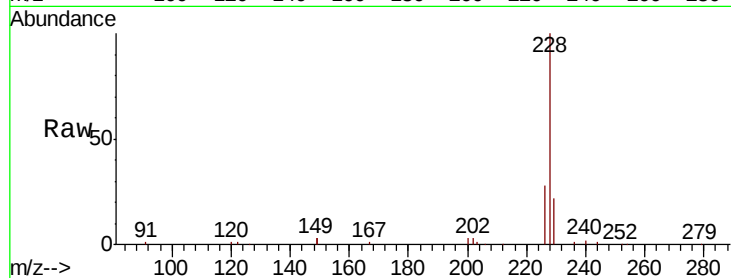
Tgt Ion:228 Resp: 115009

Ion Ratio Lower Upper

228 100

226 28.4 23.2 34.8

229 21.8 15.7 23.5

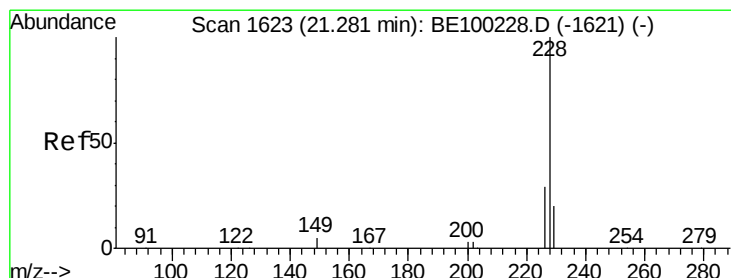
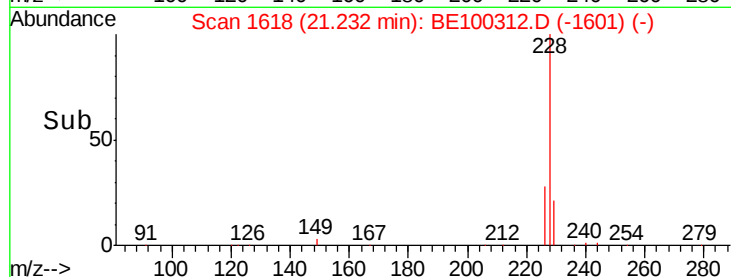
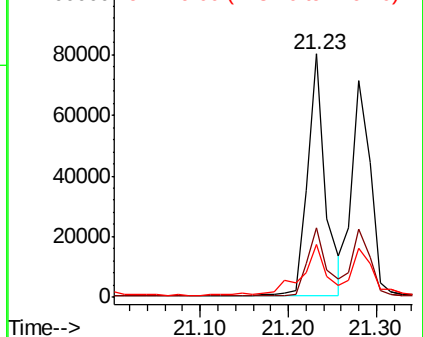


Abundance

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: 2.948 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100312.D

Acq: 2 Jul 2019 21:05

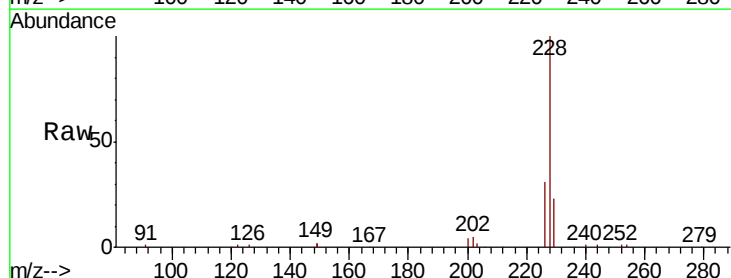
Tgt Ion:228 Resp: 102391

Ion Ratio Lower Upper

228 100

226 31.4 23.9 35.9

229 22.5 16.5 24.7

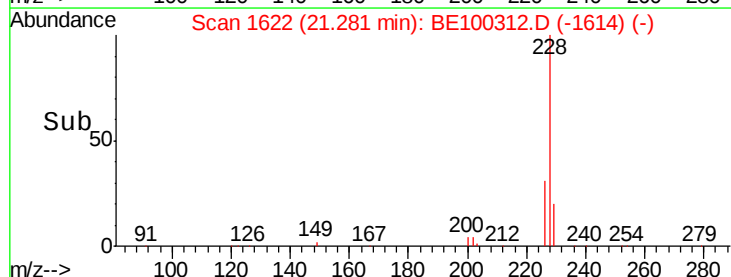
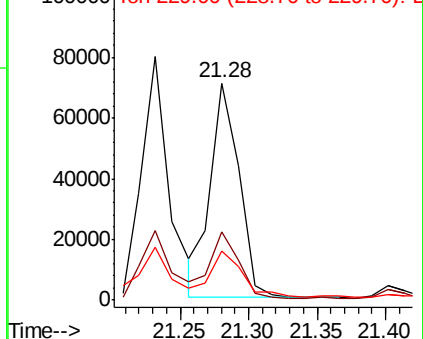


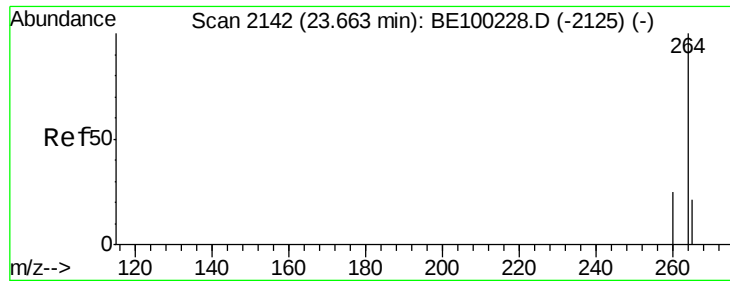
Abundance

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

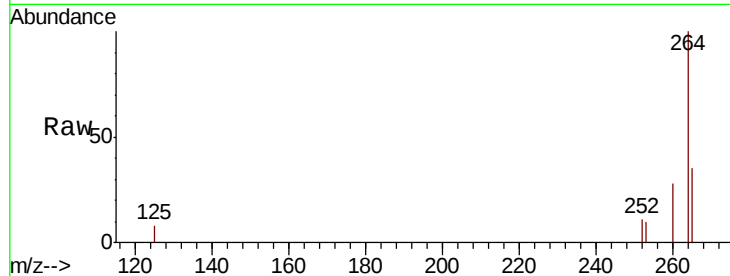




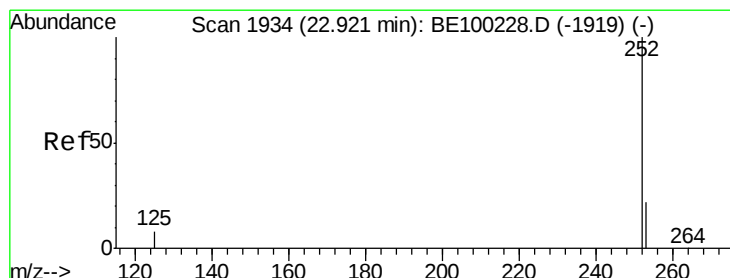
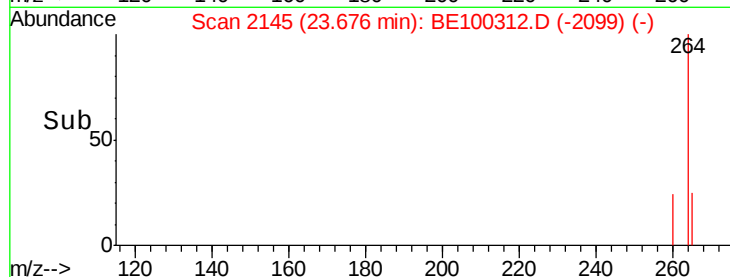
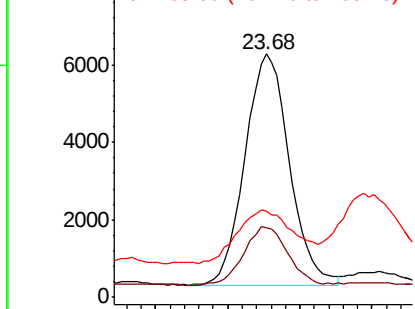
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2145
 Delta R.T. 0.01 min
 Lab File: BE100312.D
 Acq: 2 Jul 2019 21:05

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW106-062019

Tgt Ion: 264 Resp: 12530
 Ion Ratio Lower Upper
 264 100
 260 28.4 20.8 31.2
 265 35.4 21.8 32.6#

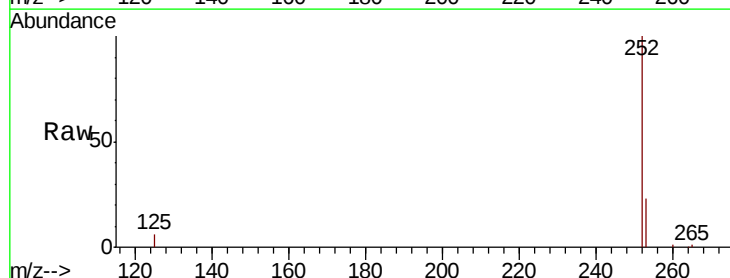


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

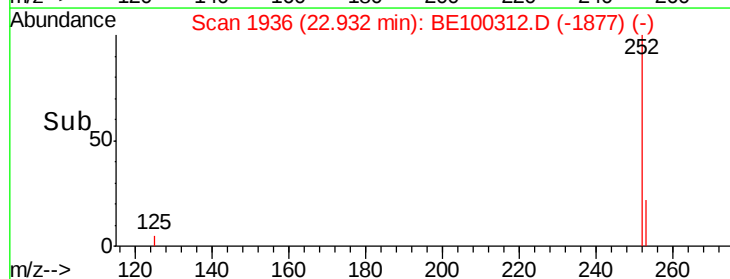
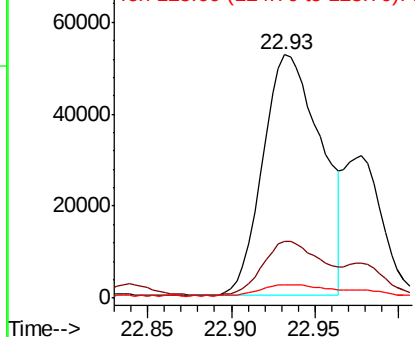


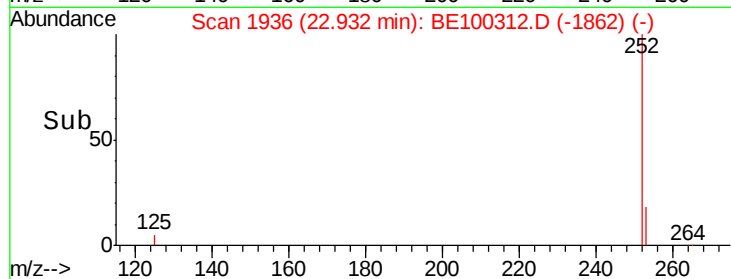
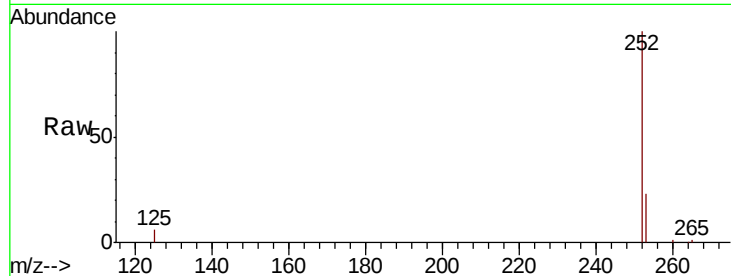
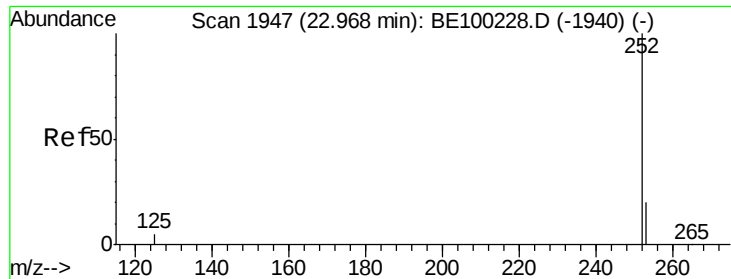
#35
 Benzo(b)fluoranthene
 Concen: 3.752 ng
 RT: 22.93 min Scan# 1936
 Delta R.T. 0.01 min
 Lab File: BE100312.D
 Acq: 2 Jul 2019 21:05

Tgt Ion: 252 Resp: 127448
 Ion Ratio Lower Upper
 252 100
 253 23.3 19.2 28.8
 125 5.6 7.4 11.0#



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





#36

Benzo(k)fluoranthene

Concen: 3.361 ng

RT: 22.93 min Scan# 1936

Delta R.T. -0.04 min

Lab File: BE100312.D

Acq: 2 Jul 2019 21:05

Instrument :

BNA_E

ClientSampleId :

PST-013-SW106-062019

Tgt Ion: 252 Resp: 127448

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 5.6 5.0 7.4

