

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070219\
 Data File : BE100318.D
 Acq On : 3 Jul 2019 00:40
 Operator : JU/SJ
 Sample : K3505-04DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-B039-062019DL

Quant Time: Jul 03 02:15:23 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

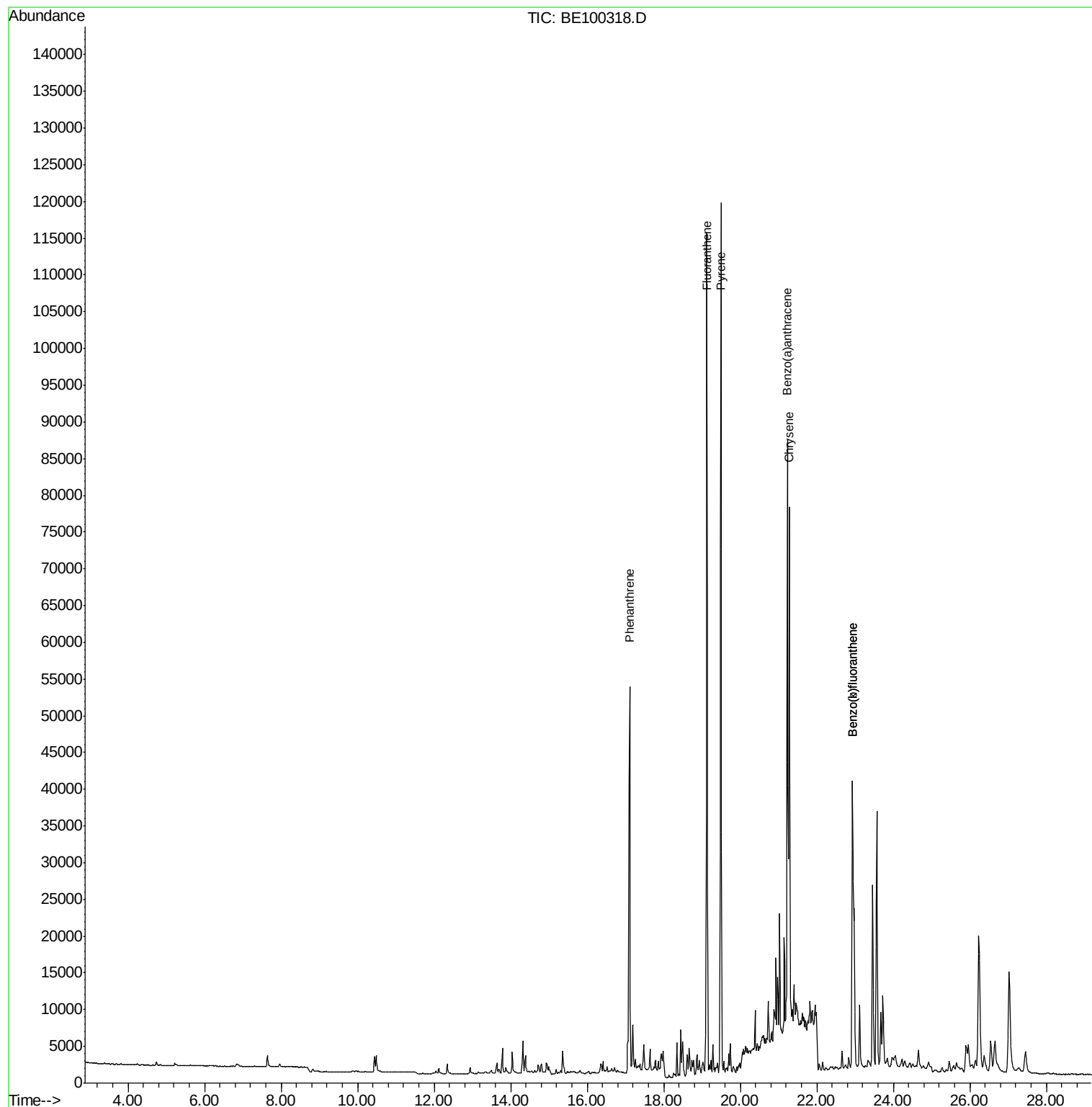
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	983	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3361	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2577	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	7168	0.40	ng	0.01
27) Chrysene-d12	21.24	240	9195	0.40	ng	0.00
34) Perylene-d12	23.68	264	10874	0.40	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	287	0.11	ng	0.01
5) Phenol-d6	6.84	99	396	0.12	ng	0.00
8) Nitrobenzene-d5	8.82	82	331	0.10	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	712	0.11	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	215	0.12	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	1022	0.10	ng	0.00
25) Fluoranthene-d10	19.10	212	9083	0.09	ng	0.00
29) Terphenyl-d14	19.70	244	2013	0.11	ng	0.00
Target Compounds						Qvalue
23) Phenanthrene	17.11	178	60453	3.480	ng	100
26) Fluoranthene	19.13	202	108789	3.931	ng	99
28) Pyrene	19.49	202	113488	4.662	ng	96
30) Benzo(a)anthracene	21.23	228	70433	2.330	ng	98
31) Chrysene	21.28	228	63052	2.077	ng	97
35) Benzo(b)fluoranthene	22.93	252	74415	2.524	ng	# 97
36) Benzo(k)fluoranthene	22.93	252	74415	2.261	ng	98

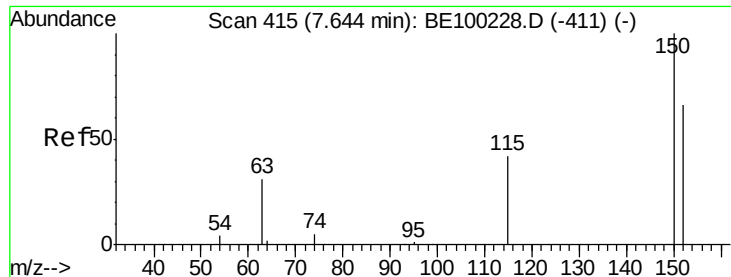
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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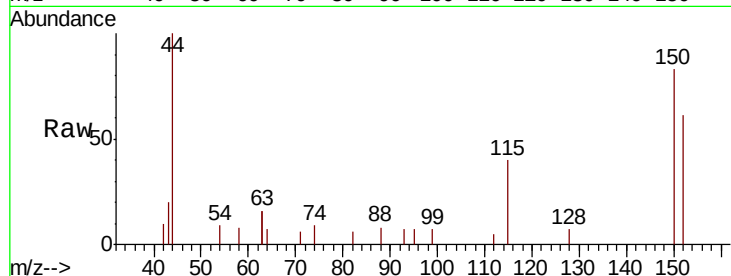


#1

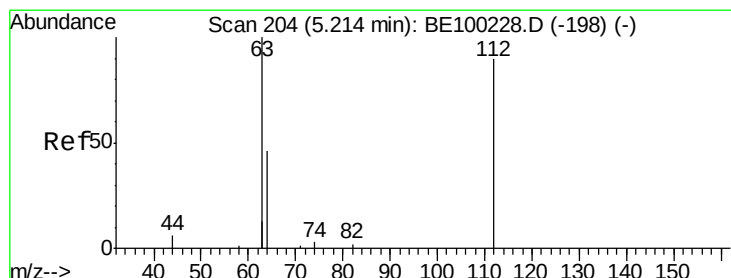
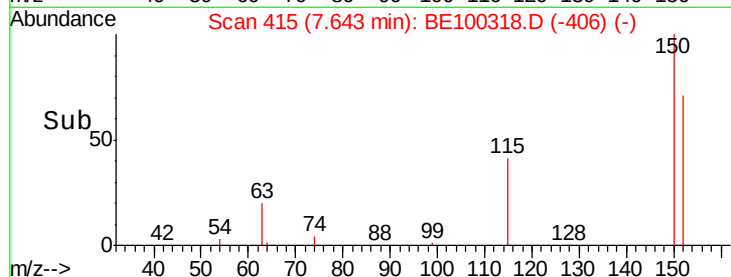
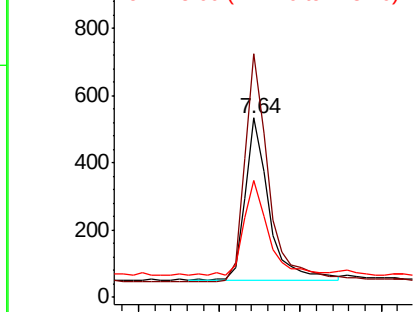
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

Tgt Ion:152 Resp: 983
Ion Ratio Lower Upper
152 100
150 135.6 114.5 171.7
115 64.8 57.1 85.7



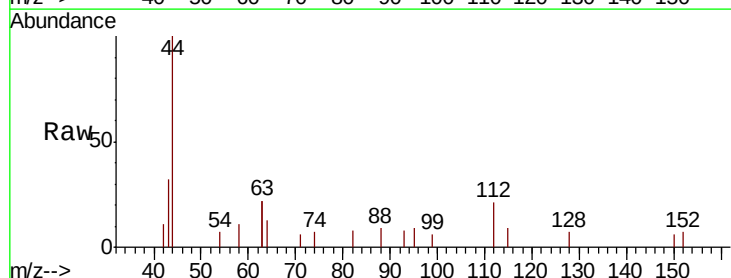
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



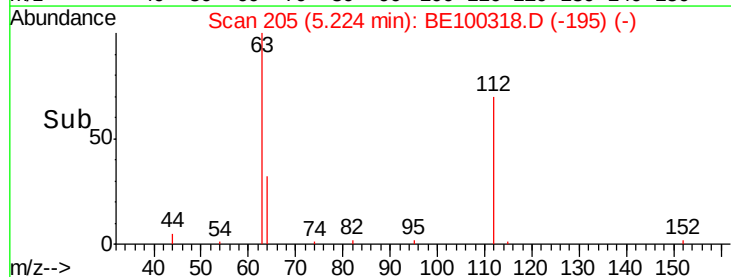
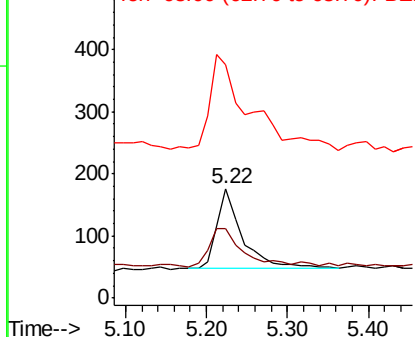
#4

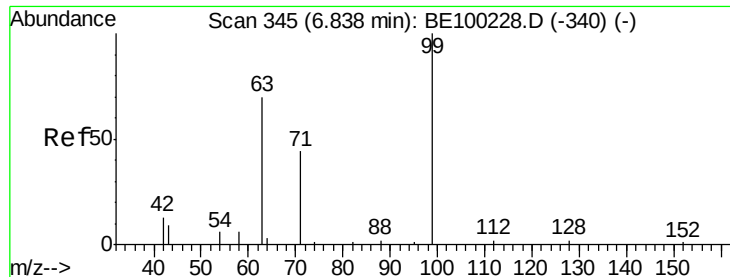
2-Fluorophenol
Concen: 0.114 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Tgt Ion:112 Resp: 287
Ion Ratio Lower Upper
112 100
64 62.7 39.4 59.0#
63 162.4 104.5 156.7#



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: 0.120 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

ClientSampleId :

PST-013-B039-062019DL

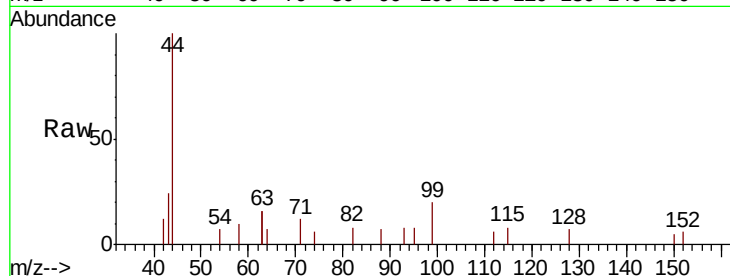
Tgt Ion: 99 Resp: 396

Ion Ratio Lower Upper

99 100

42 21.2 11.2 16.8#

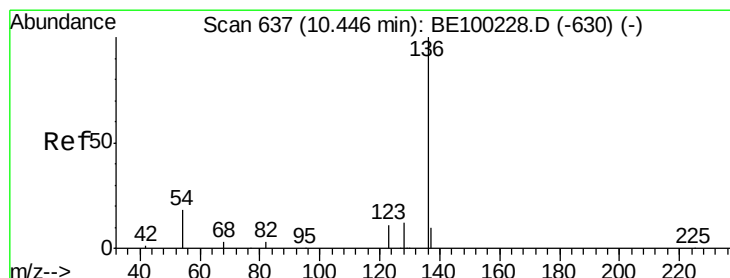
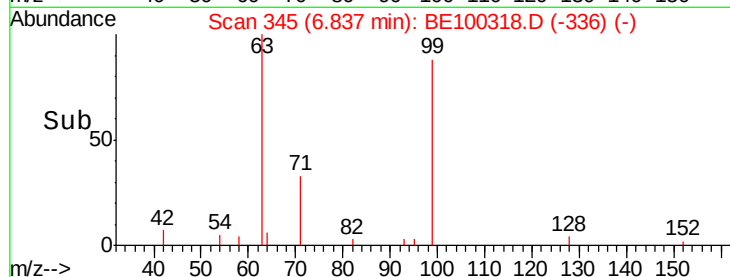
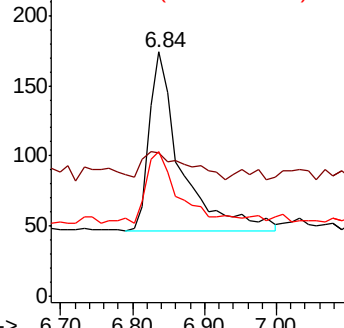
71 38.9 37.2 55.8



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: BE100318.D

Acq: 3 Jul 2019 00:40

Tgt Ion: 136 Resp: 3361

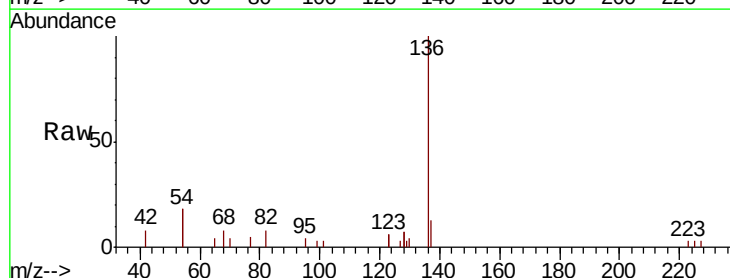
Ion Ratio Lower Upper

136 100

137 12.9 11.8 17.8

54 35.4 27.7 41.5

68 8.3 6.8 10.2

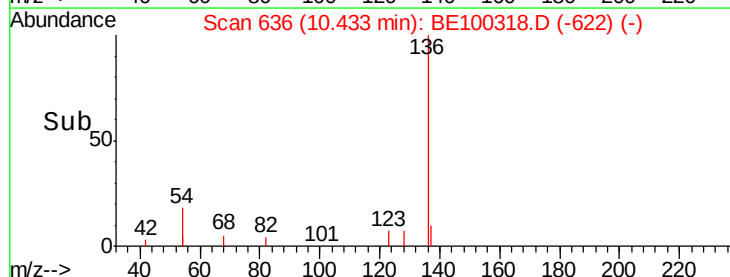
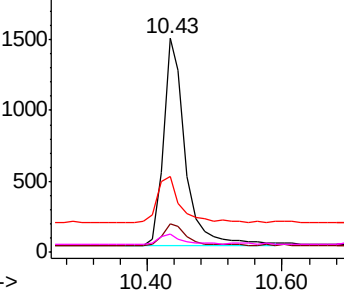


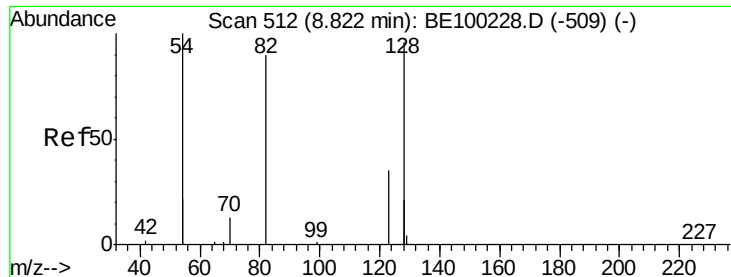
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.099 ng

RT: 8.82 min Scan# 512

Delta R.T. 0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

ClientSampleId :

PST-013-B039-062019DL

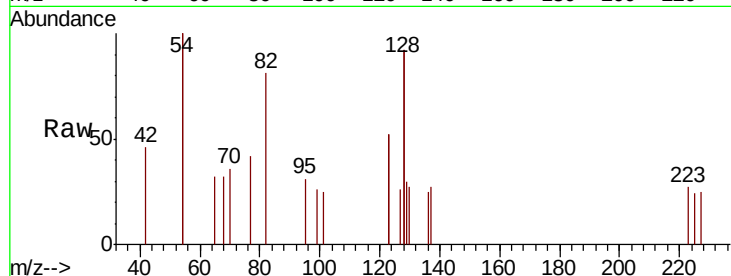
Tgt Ion: 82 Resp: 331

Ion Ratio Lower Upper

82 100

128 228.2 140.9 211.3#

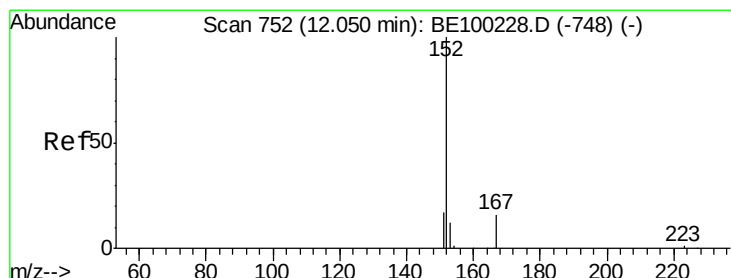
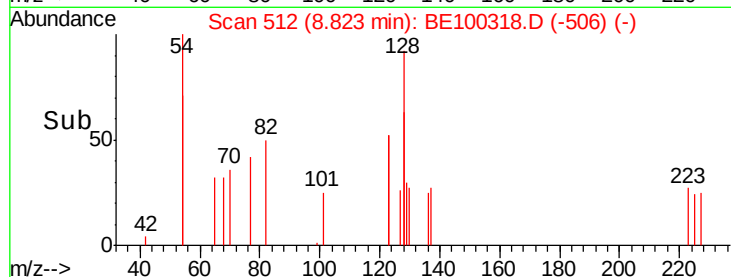
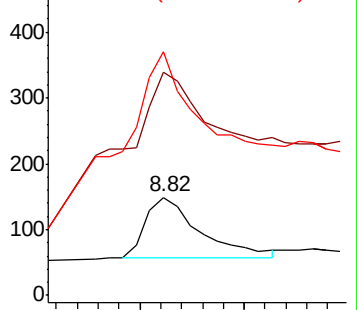
54 248.3 146.2 219.2#



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: 0.113 ng

RT: 12.05 min Scan# 752

Delta R.T. 0.00 min

Lab File: BE100318.D

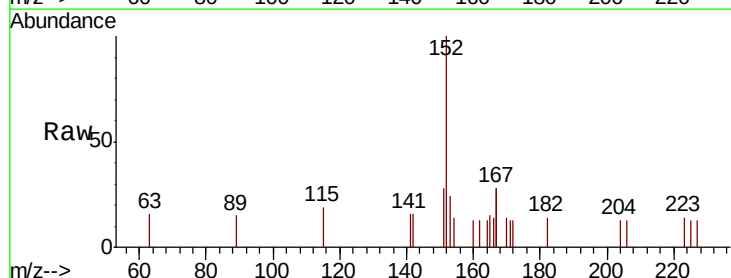
Acq: 3 Jul 2019 00:40

Tgt Ion: 152 Resp: 712

Ion Ratio Lower Upper

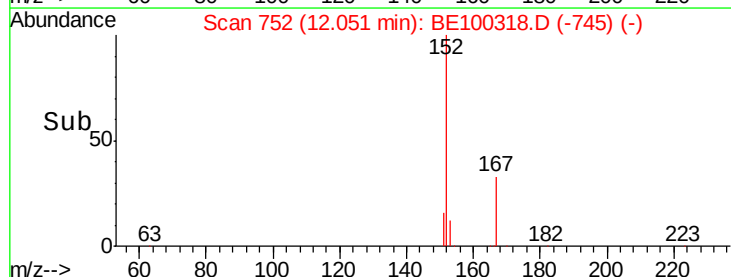
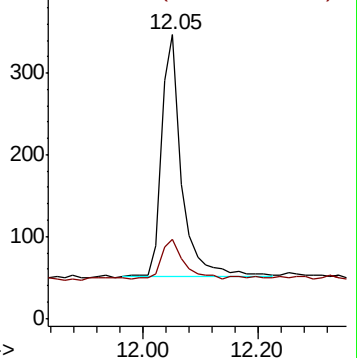
152 100

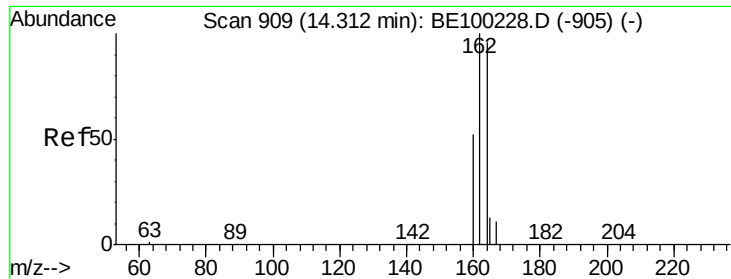
151 18.3 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BE1

Ion 151.00 (150.70 to 151.70): BE1

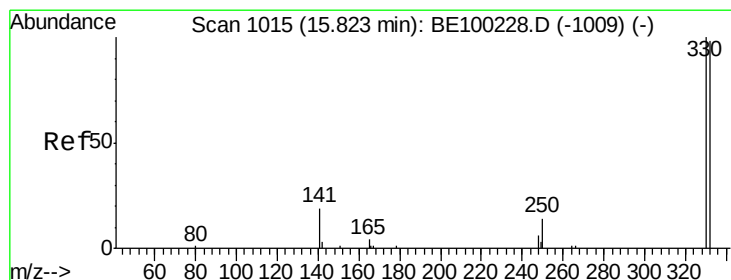
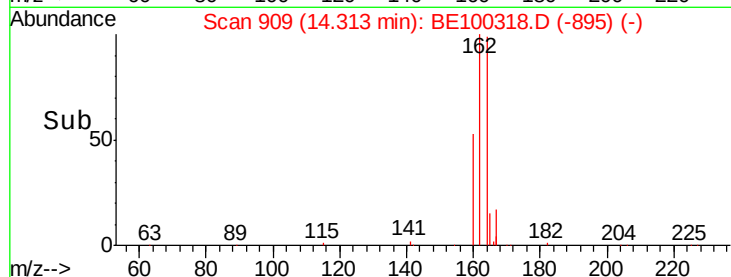
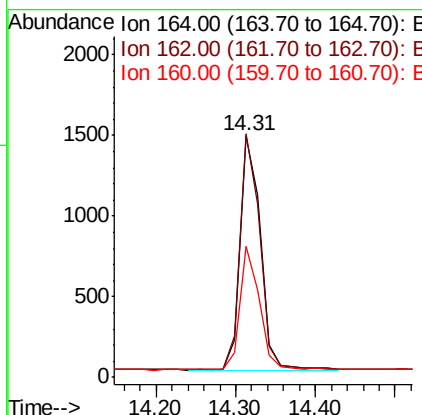
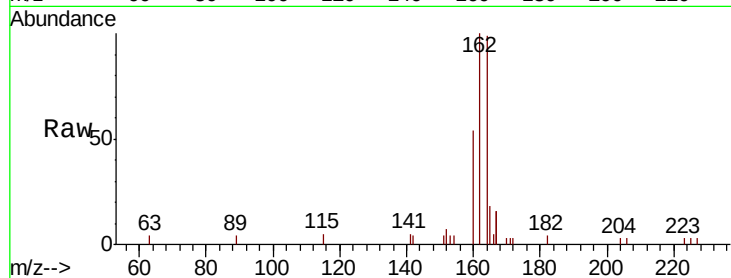




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BE100318.D
 Acq: 3 Jul 2019 00:40

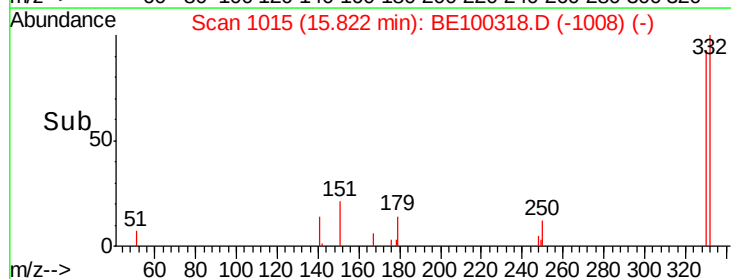
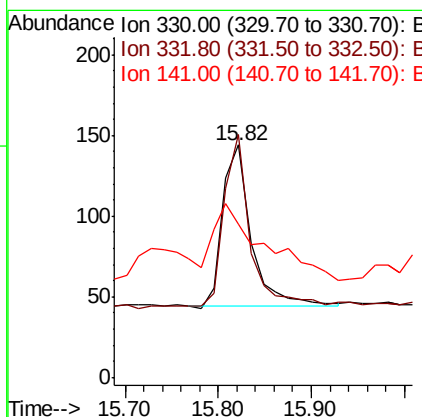
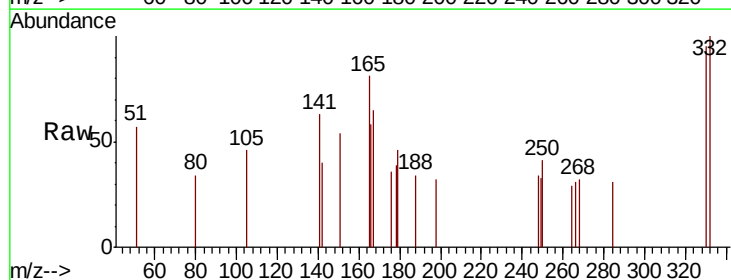
Instrument :
 BNA_E
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 PST-013-B039-062019DL

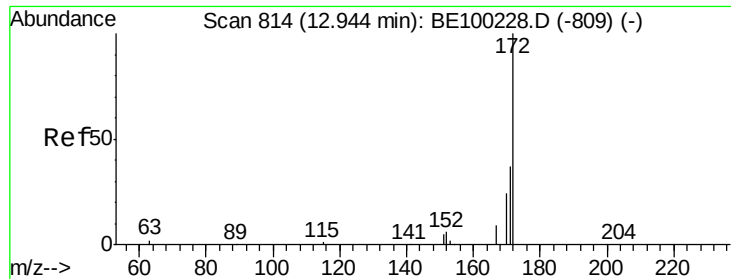
Tgt Ion:164 Resp: 2577
 Ion Ratio Lower Upper
 164 100
 162 101.0 83.4 125.0
 160 54.6 45.0 67.6



#14
 2,4,6-Tribromophenol
 Concen: 0.119 ng
 RT: 15.82 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: BE100318.D
 Acq: 3 Jul 2019 00:40

Tgt Ion:330 Resp: 215
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.4
 141 83.7 22.0 33.0#

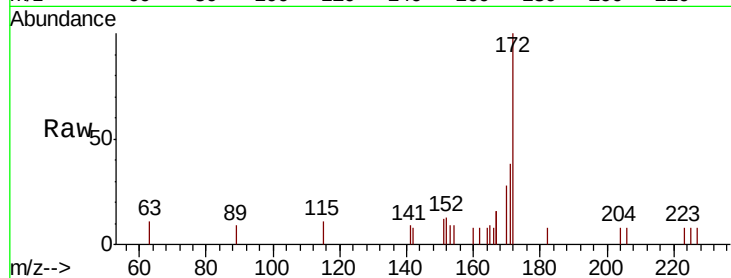




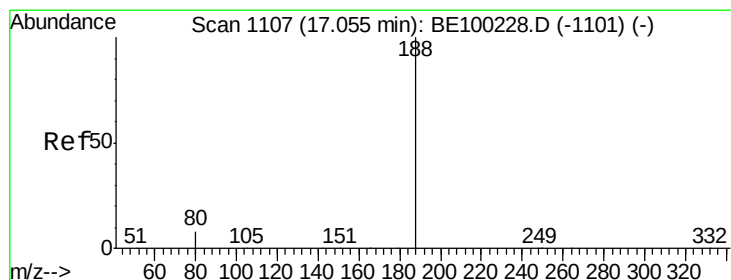
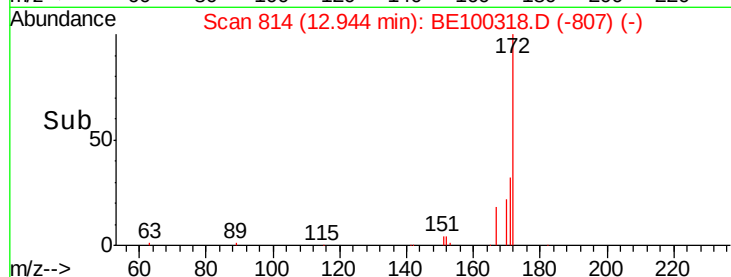
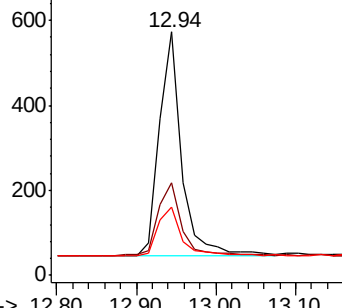
#15
2-Fluorobiphenyl
Concen: 0.102 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

Tgt Ion:172 Resp: 1022
Ion Ratio Lower Upper
172 100
171 37.9 31.9 47.9
170 28.1 22.2 33.2

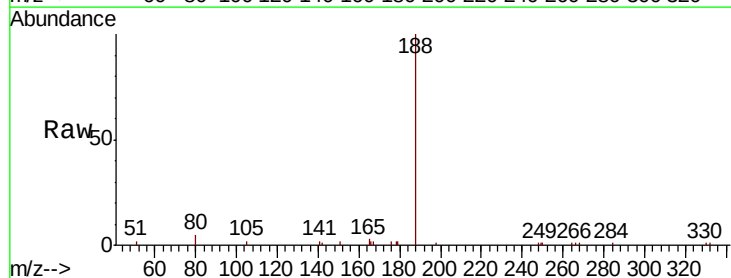


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

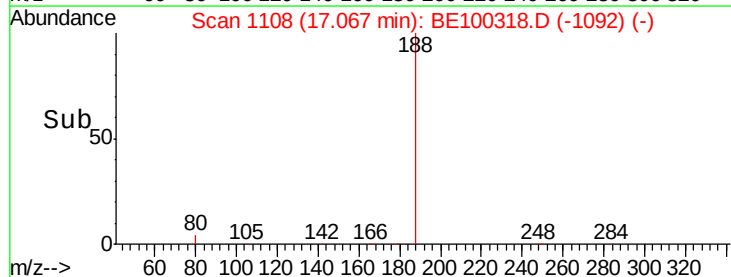
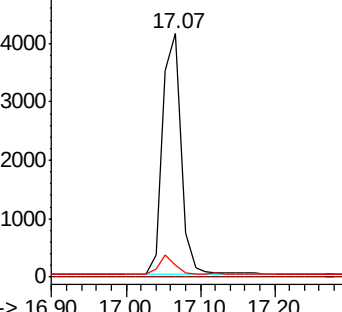


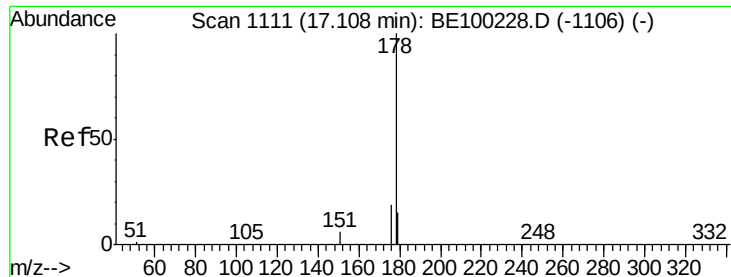
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Tgt Ion:188 Resp: 7168
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 4.8 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: 3.480 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

ClientSampleId :

PST-013-B039-062019DL

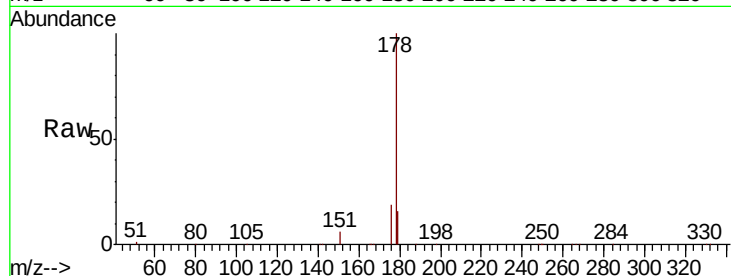
Tgt Ion:178 Resp: 60453

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

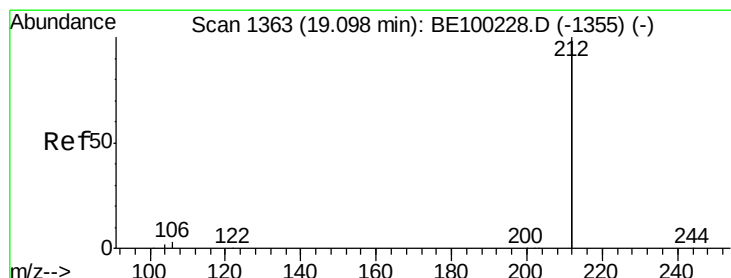
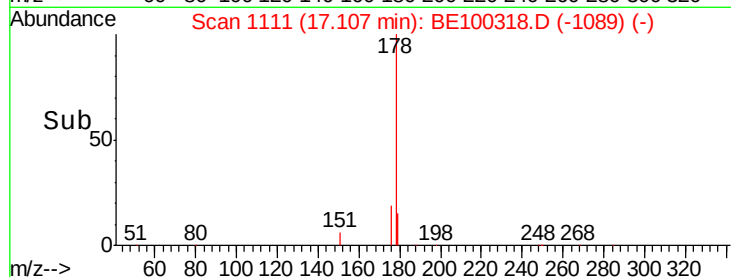
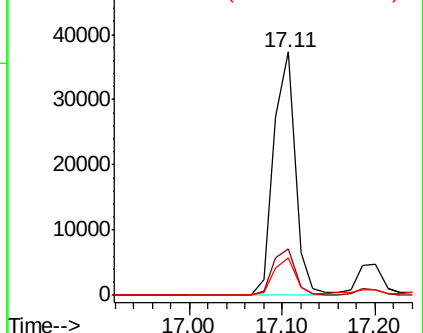
179 15.4 12.2 18.2



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: 0.087 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

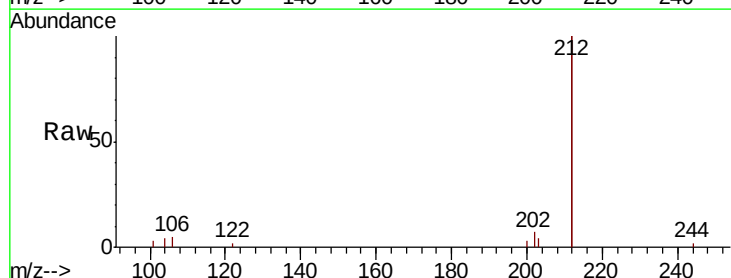
Tgt Ion:212 Resp: 9083

Ion Ratio Lower Upper

212 100

106 1.7 1.3 1.9

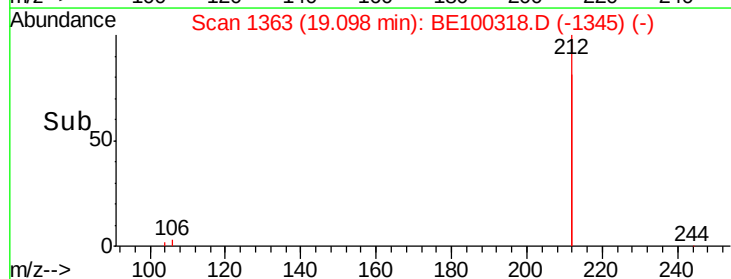
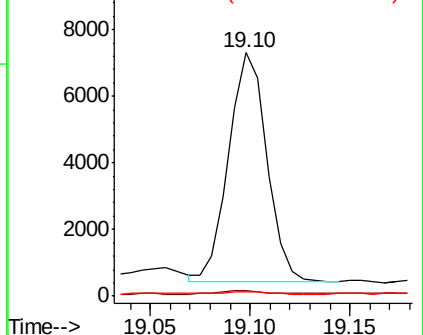
104 0.9 0.8 1.2

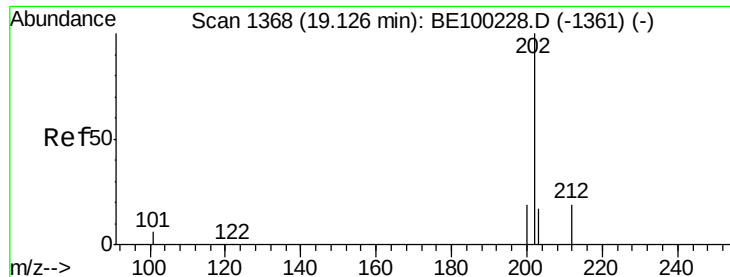


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

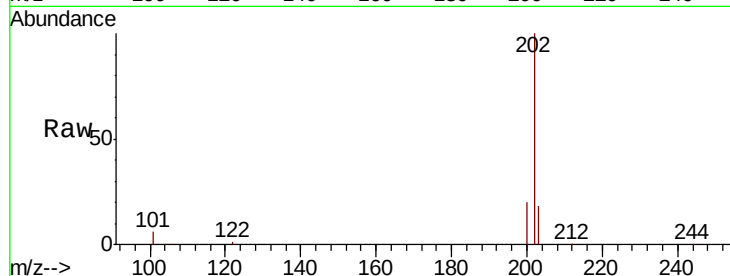




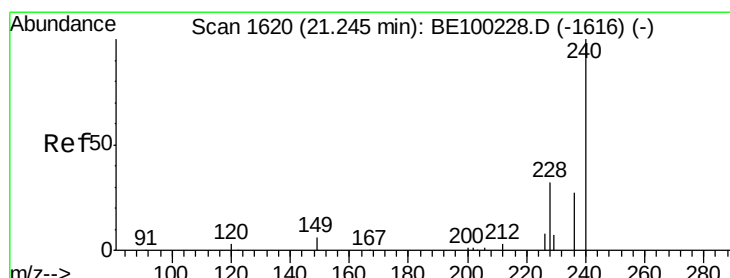
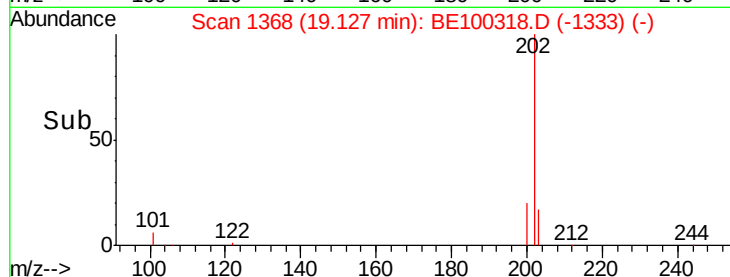
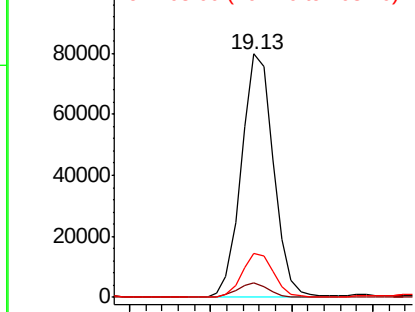
#26
Fluoranthene
Concen: 3.931 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

Tgt Ion:202 Resp: 108789
Ion Ratio Lower Upper
202 100
101 5.7 4.6 7.0
203 17.6 13.7 20.5

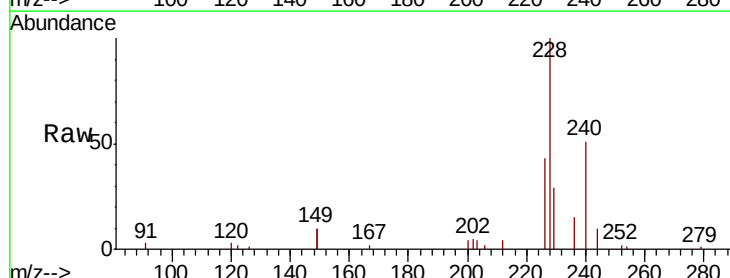


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

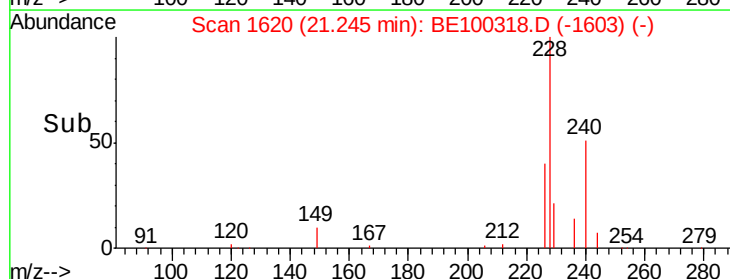
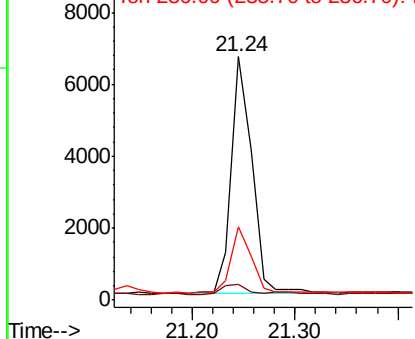


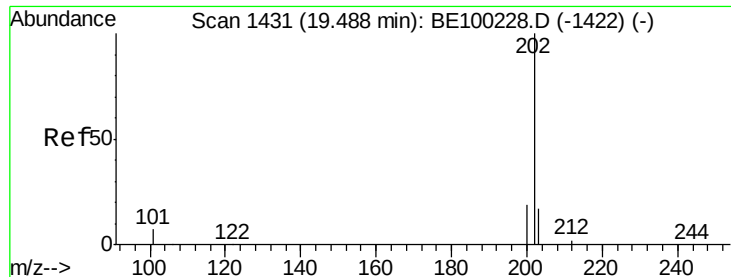
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Tgt Ion:240 Resp: 9195
Ion Ratio Lower Upper
240 100
120 6.3 3.3 4.9#
236 30.3 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: 4.662 ng

RT: 19.49 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

ClientSampleId :

PST-013-B039-062019DL

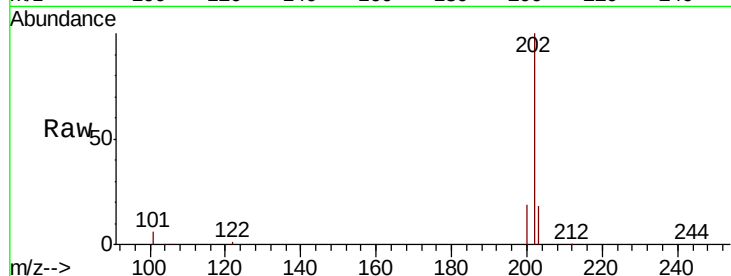
Tgt Ion:202 Resp: 113488

Ion Ratio Lower Upper

202 100

200 19.7 15.6 23.4

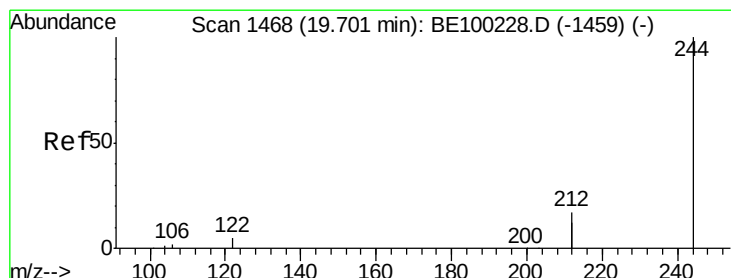
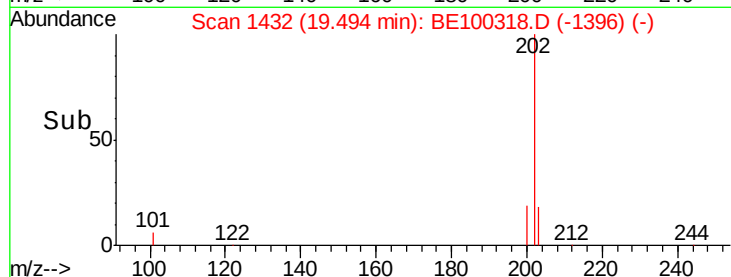
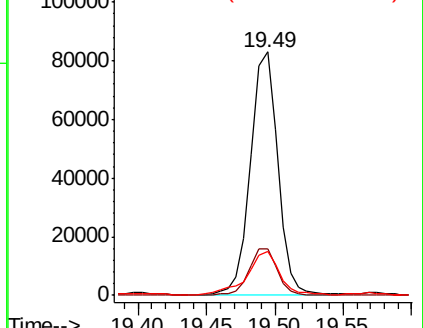
203 20.6 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.106 ng

RT: 19.70 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

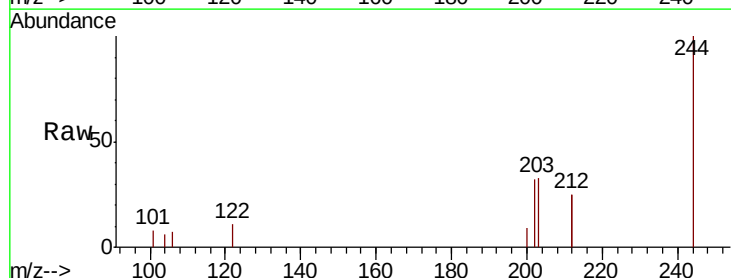
Tgt Ion:244 Resp: 2013

Ion Ratio Lower Upper

244 100

212 50.5 27.3 40.9#

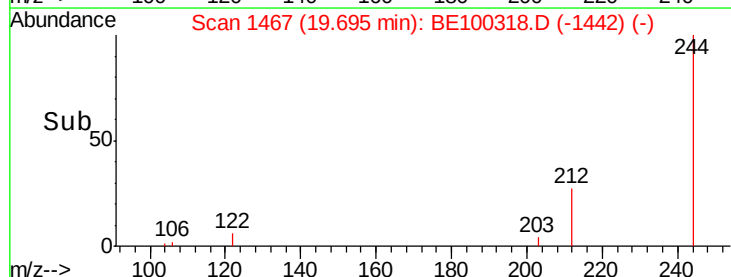
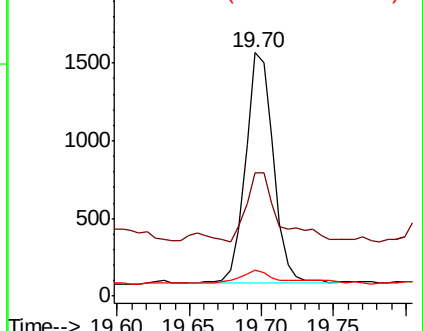
122 10.7 4.7 7.1#

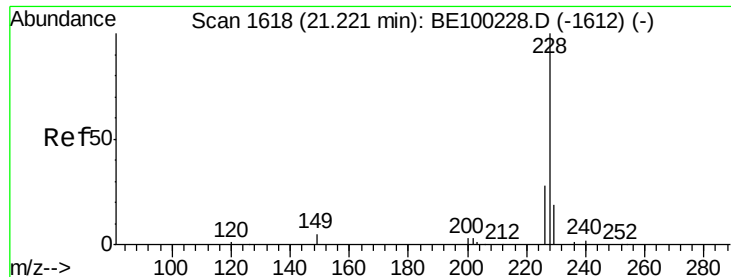


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

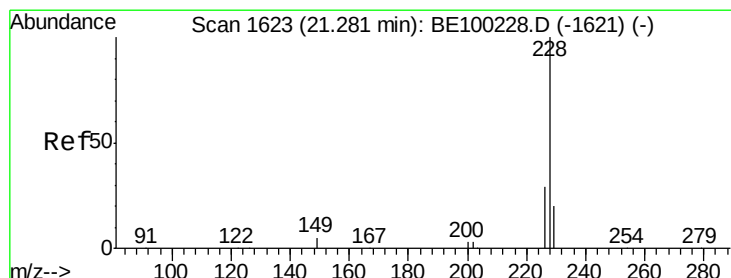
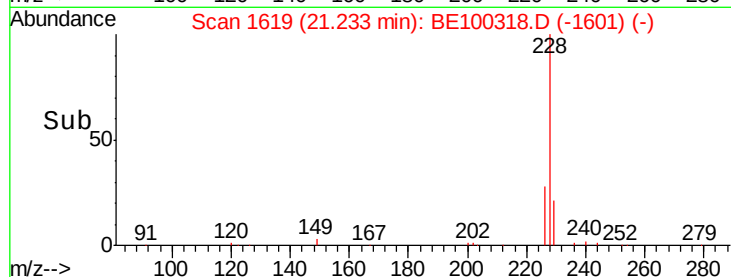
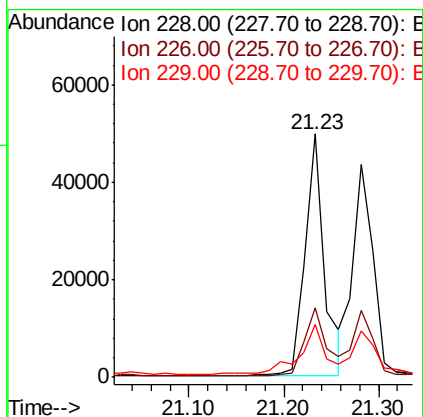
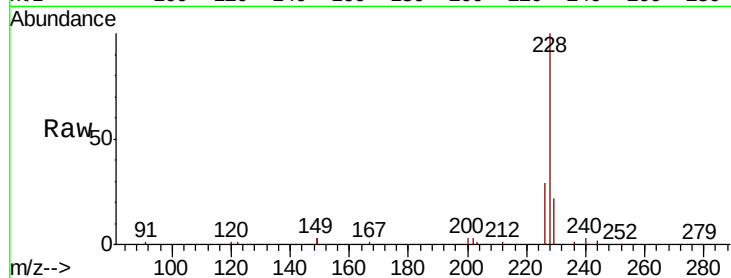




#30
Benzo(a)anthracene
Concen: 2.330 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

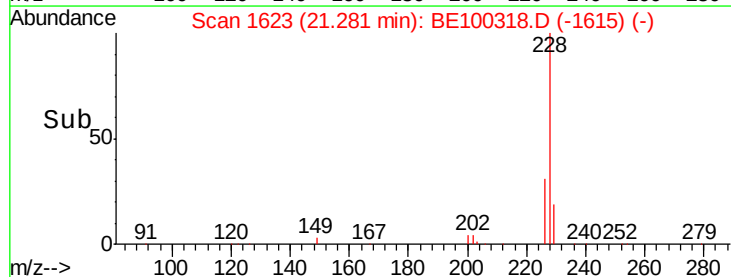
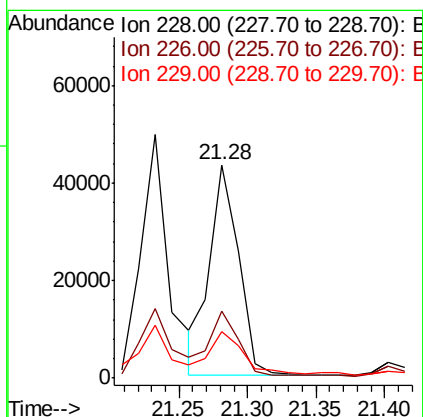
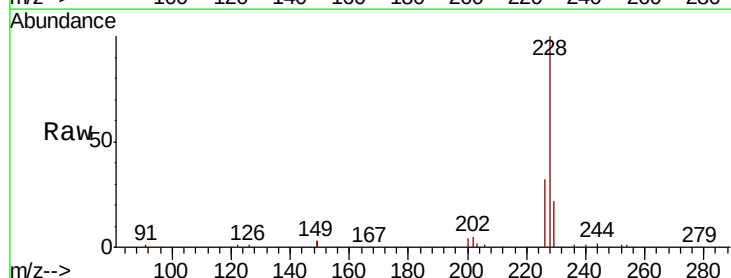
Instrument :
BNA_E
ClientSampleId :
PST-013-B039-062019DL

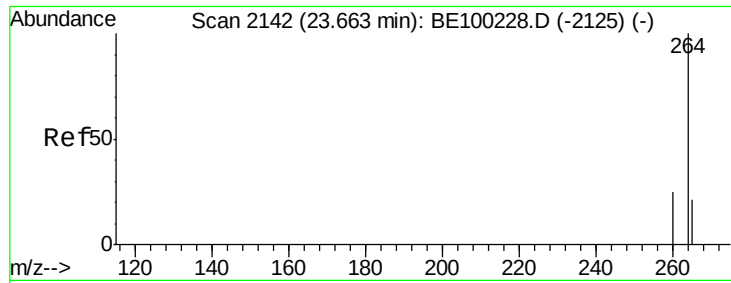
Tgt Ion:228 Resp: 70433
Ion Ratio Lower Upper
228 100
226 28.8 23.2 34.8
229 21.9 15.7 23.5



#31
Chrysene
Concen: 2.077 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100318.D
Acq: 3 Jul 2019 00:40

Tgt Ion:228 Resp: 63052
Ion Ratio Lower Upper
228 100
226 31.7 23.9 35.9
229 22.1 16.5 24.7

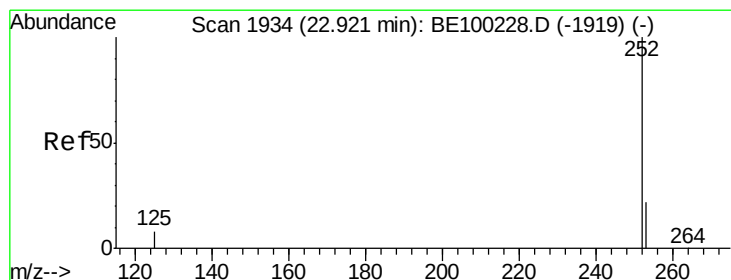
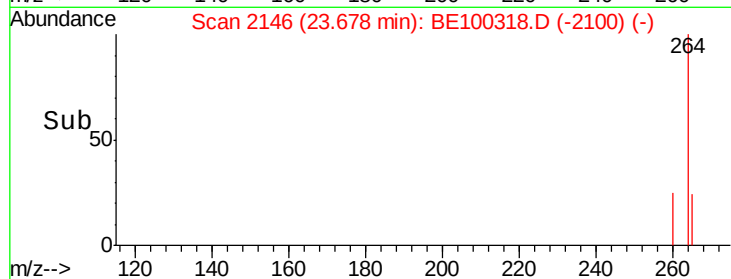
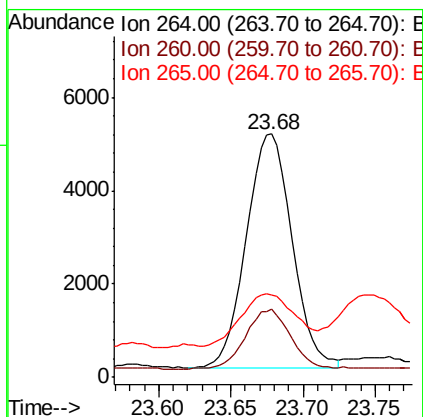
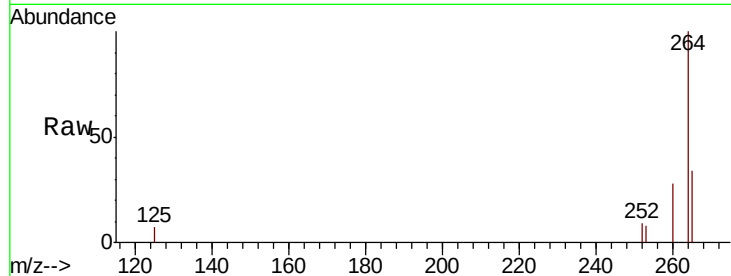




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2146
 Delta R.T. 0.02 min
 Lab File: BE100318.D
 Acq: 3 Jul 2019 00:40

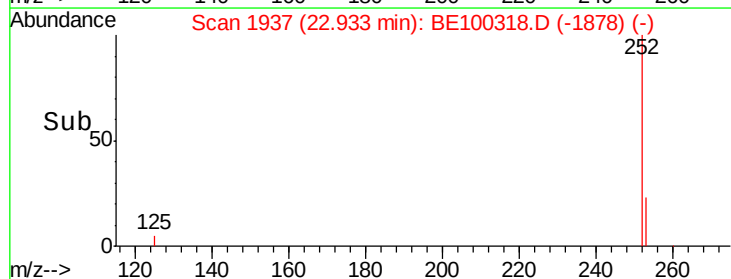
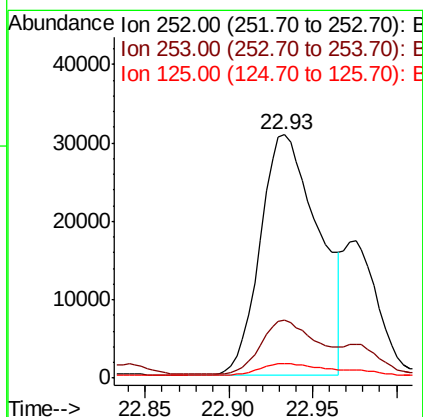
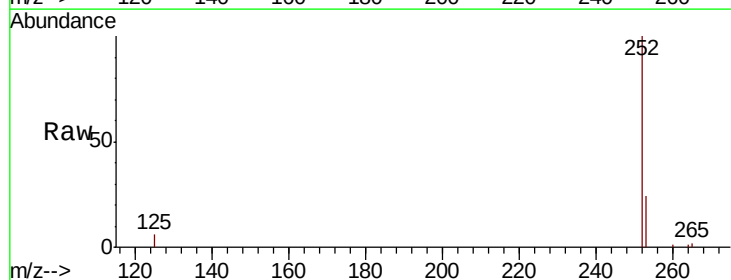
Instrument :
 BNA_E
 ClientSampleId :
 PST-013-B039-062019DL

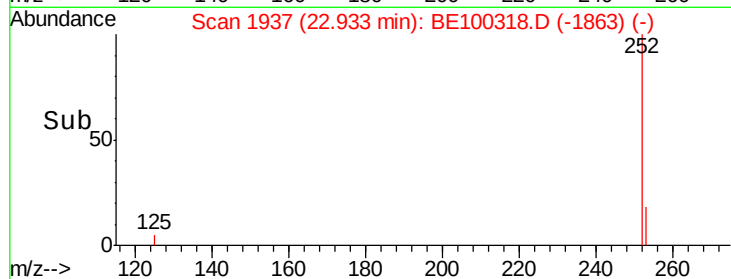
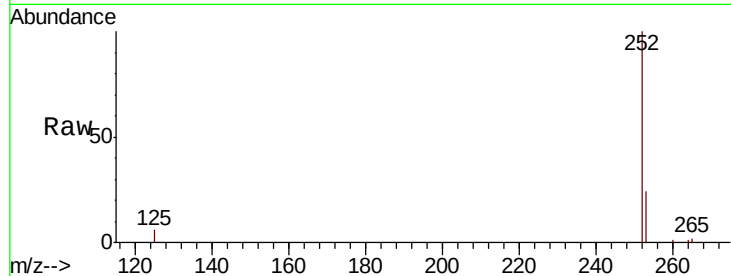
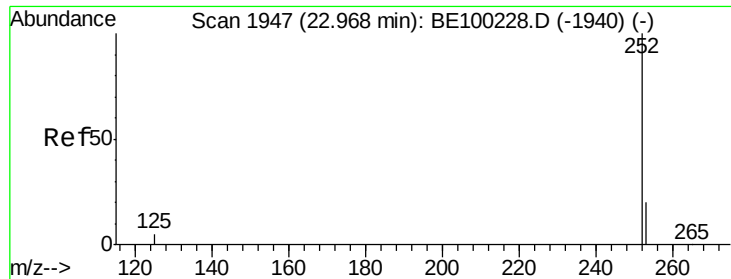
Tgt Ion: 264 Resp: 10874
 Ion Ratio Lower Upper
 264 100
 260 28.1 20.8 31.2
 265 33.8 21.8 32.6#



#35
 Benzo(b)fluoranthene
 Concen: 2.524 ng
 RT: 22.93 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: BE100318.D
 Acq: 3 Jul 2019 00:40

Tgt Ion: 252 Resp: 74415
 Ion Ratio Lower Upper
 252 100
 253 23.7 19.2 28.8
 125 5.9 7.4 11.0#





#36

Benzo(k)fluoranthene

Concen: 2.261 ng

RT: 22.93 min Scan# 1937

Delta R.T. -0.03 min

Lab File: BE100318.D

Acq: 3 Jul 2019 00:40

Instrument :

BNA_E

ClientSampleId :

PST-013-B039-062019DL

Tgt Ion: 252 Resp: 74415

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 5.9 5.0 7.4

