

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
 Data File : BE100299.D
 Acq On : 2 Jul 2019 13:14
 Operator : JU/SJ
 Sample : K3504-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-013-SW103-062019

Quant Time: Jul 03 03:15:12 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	697	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	2200	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	1771	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	5598	0.40	ng	0.01
27) Chrysene-d12	21.24	240	8090	0.40	ng	0.00
34) Perylene-d12	23.68	264	10324	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	440	0.25	ng	0.00
5) Phenol-d6	6.83	99	540	0.23	ng	0.00
8) Nitrobenzene-d5	8.83	82	456	0.21	ng	0.01
11) 2-Methylnaphthalene-d10	12.05	152	842	0.20	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	268	0.22	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	1378	0.20	ng	0.00
25) Fluoranthene-d10	19.10	212	15270	0.19	ng	0.00
29) Terphenyl-d14	19.70	244	3319	0.20	ng	0.00

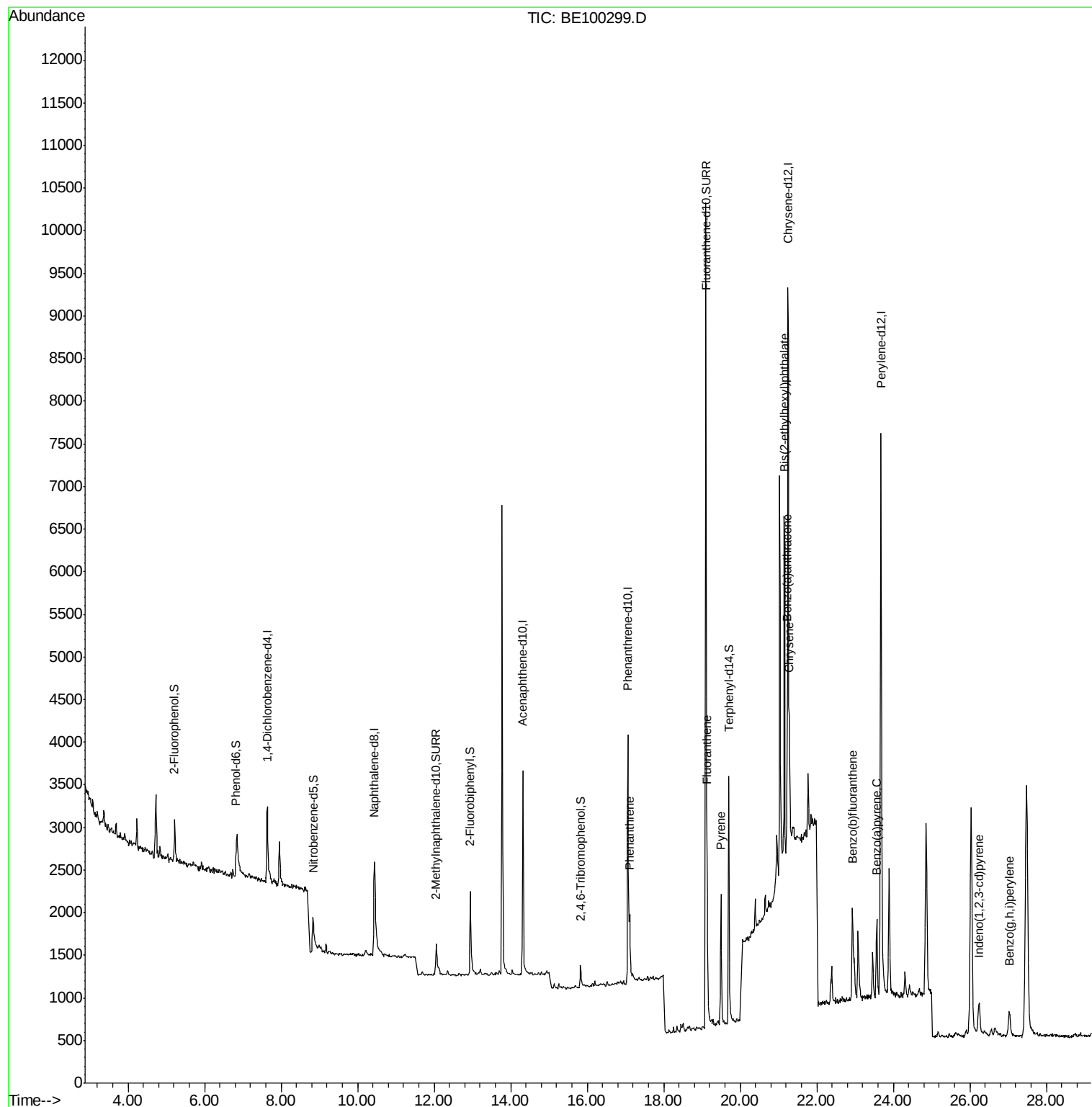
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.11	178	786	0.058	ng	# 94
26) Fluoranthene	19.13	202	1559	0.072	ng	100
28) Pyrene	19.50	202	1779	0.083	ng	97
30) Benzo(a)anthracene	21.23	228	1231	0.046	ng	# 83
31) Chrysene	21.28	228	1378	0.052	ng	# 82
32) Bis(2-ethylhexyl)phthalate	21.15	149	5730	0.095	ng	98
33) Indeno(1,2,3-cd)pyrene	26.24	276	828	0.023	ng	# 84
35) Benzo(b)fluoranthene	22.94	252	1689	0.060	ng	# 45
37) Benzo(a)pyrene	23.57	252	1174	0.042	ng	# 20
39) Benzo(a,h,i)perylene	27.03	276	849	0.028	ng	# 44

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

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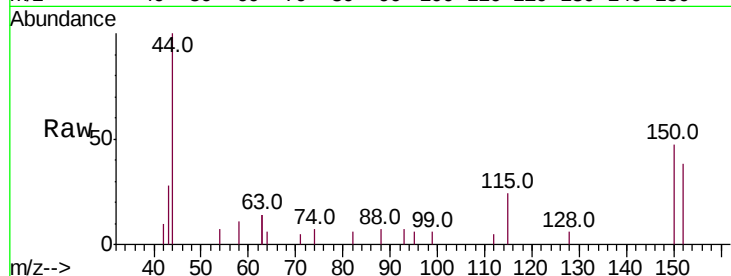


#1

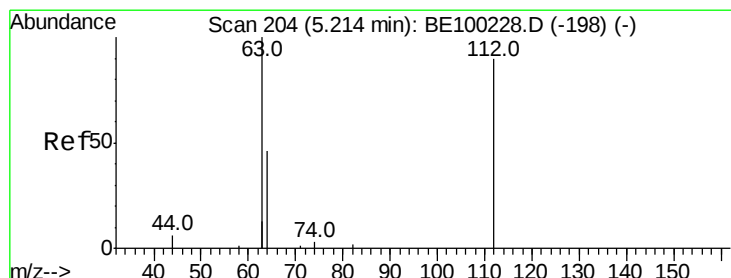
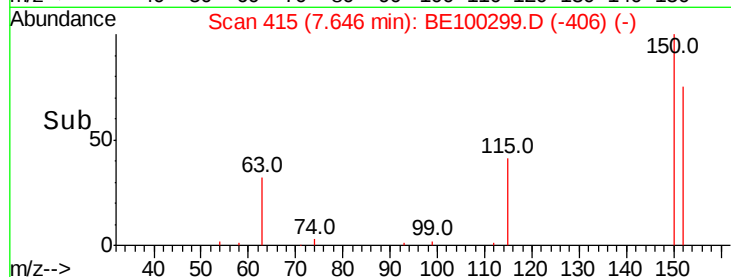
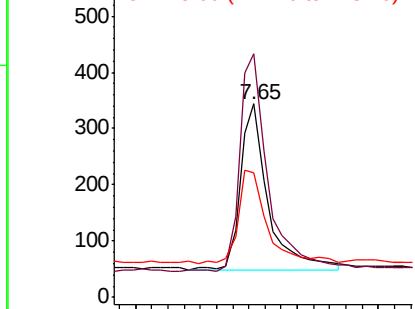
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

Instrument :
BNA_E
ClientSampleId :
PST-013-SW103-062019

Tot Ion:152 Resp: 697
Ion Ratio Lower Upper
152 100
150 125.9 114.5 171.7
115 64.5 57.1 85.7



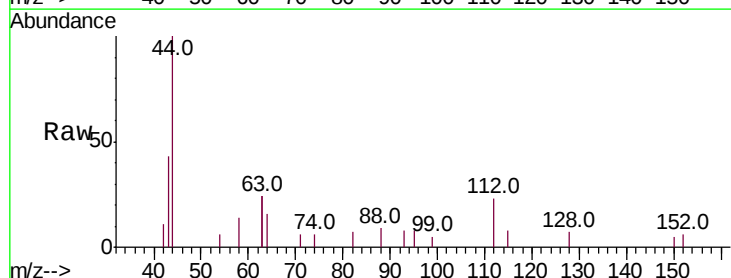
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



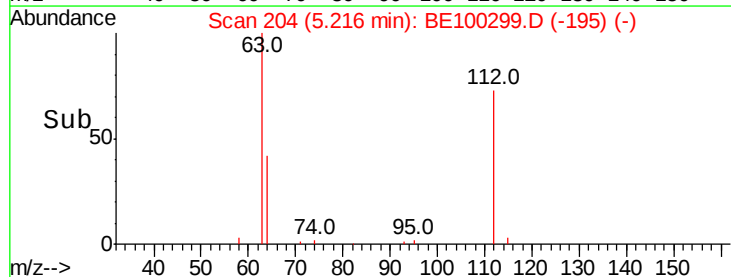
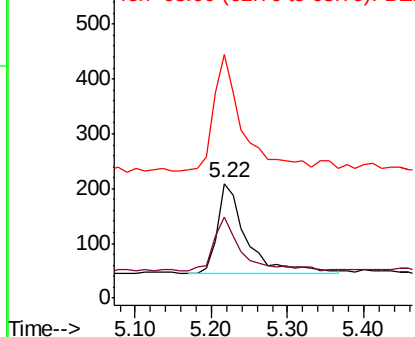
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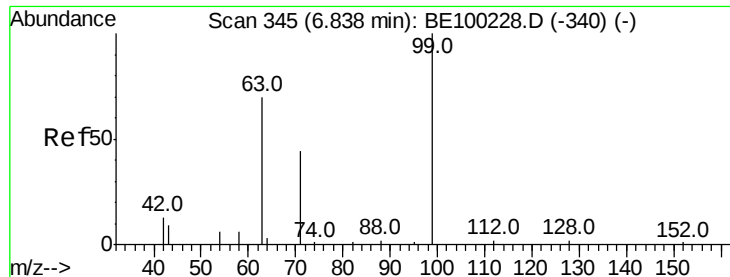
2-Fluorophenol
Concen: 0.248 ng
RT: 5.22 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

Tgt Ion:112 Resp: 440
Ion Ratio Lower Upper
112 100
64 55.5 39.4 59.0
63 126.6 104.5 156.7



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: 0.231 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100299.D

Acq: 2 Jul 2019 13:14

Instrument :

BNA_E

ClientSampleId :

PST-013-SW103-062019

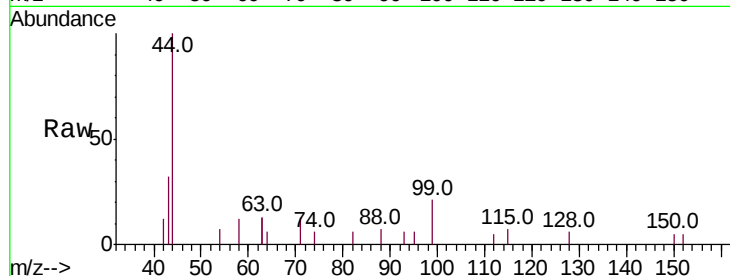
Tot Ion: 99 Resp: 540

Ion Ratio Lower Upper

99 100

42 23.7 11.2 16.8#

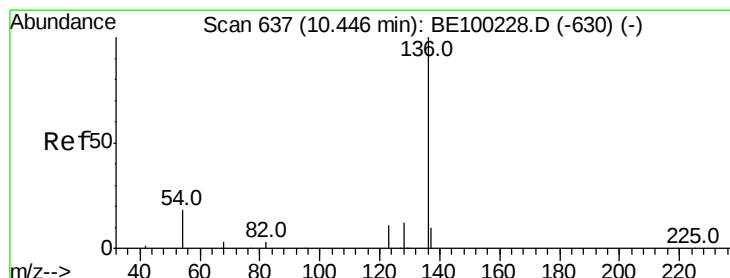
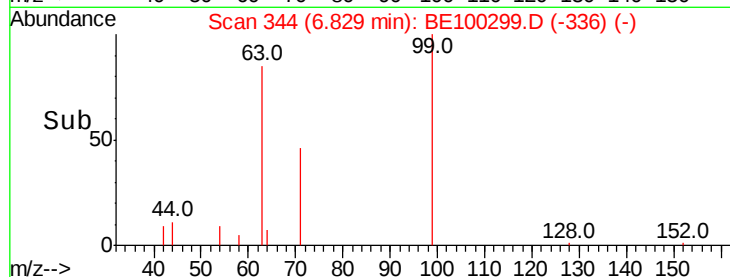
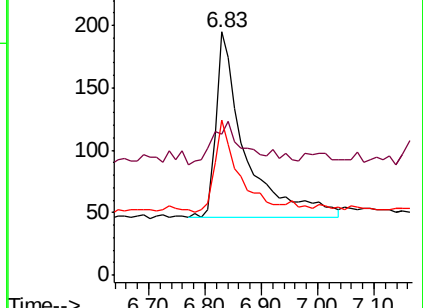
71 40.4 37.2 55.8



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: 10.45 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE100299.D

Acq: 2 Jul 2019 13:14

Tgt Ion: 136 Resp: 2200

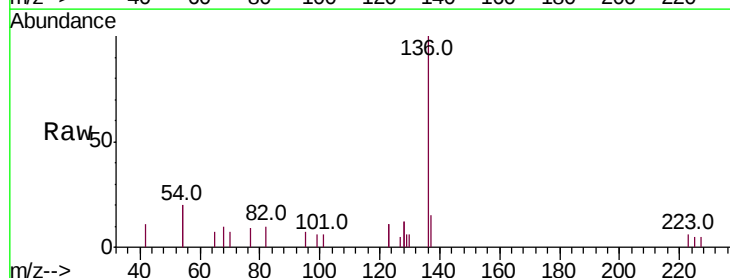
Ion Ratio Lower Upper

136 100

137 15.4 11.8 17.8

54 41.0 27.7 41.5

68 10.1 6.8 10.2

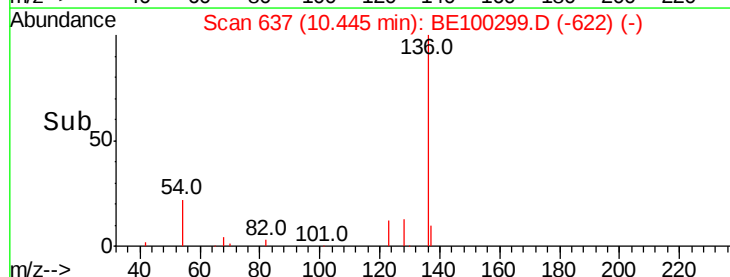
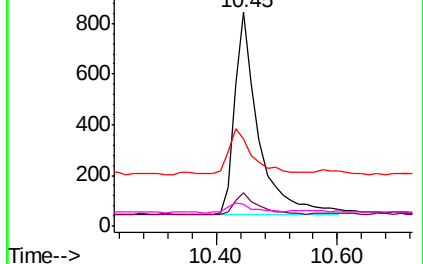


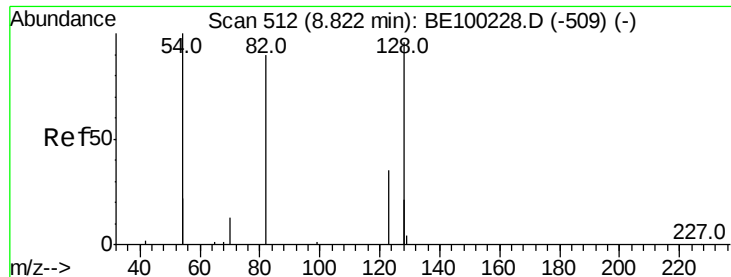
Abundance Ion 136.00 (135.70 to 136.70): BE1

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: 0.209 ng

RT: 8.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: BE100299.D

Acq: 2 Jul 2019 13:14

Instrument :

BNA_E

ClientSampleId :

PST-013-SW103-062019

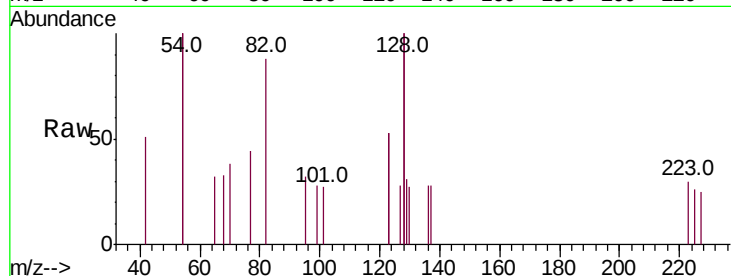
Tot Ion: 82 Resp: 456

Ion Ratio Lower Upper

82 100

128 228.4 140.9 211.3#

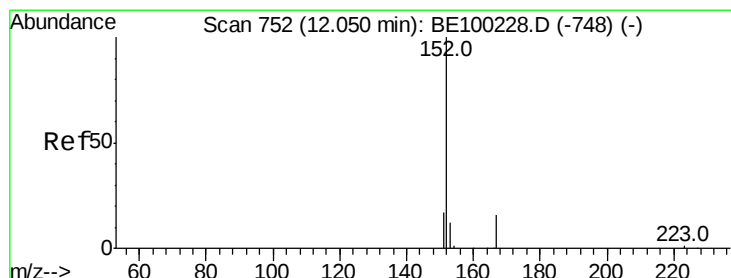
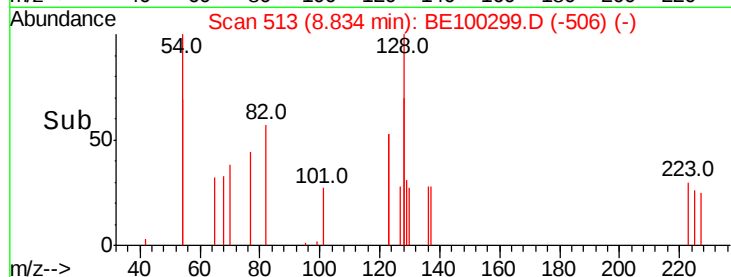
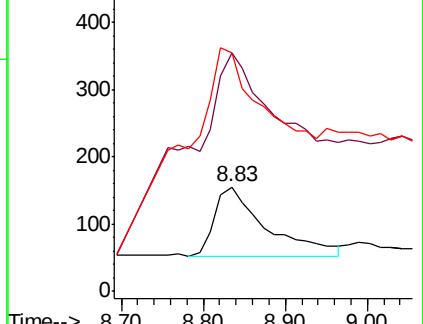
54 228.4 146.2 219.2#



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: 0.203 ng

RT: 12.05 min Scan# 752

Delta R.T. 0.00 min

Lab File: BE100299.D

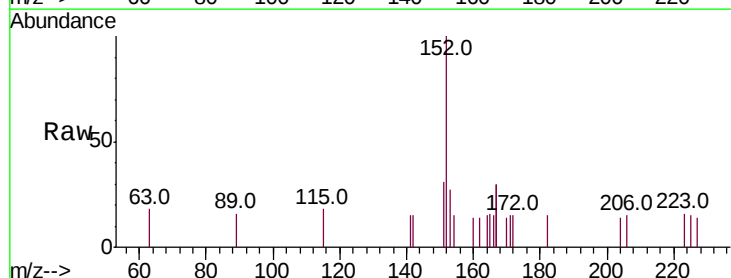
Acq: 2 Jul 2019 13:14

Tgt Ion: 152 Resp: 842

Ion Ratio Lower Upper

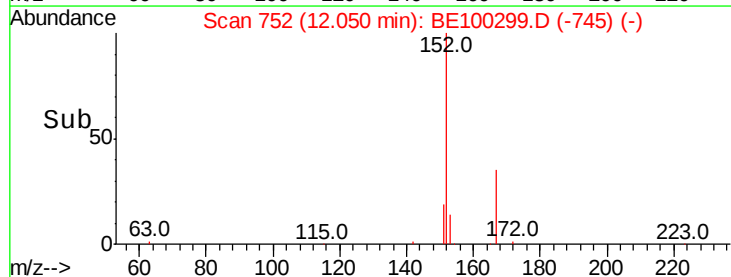
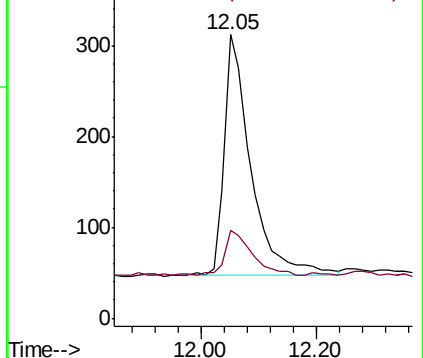
152 100

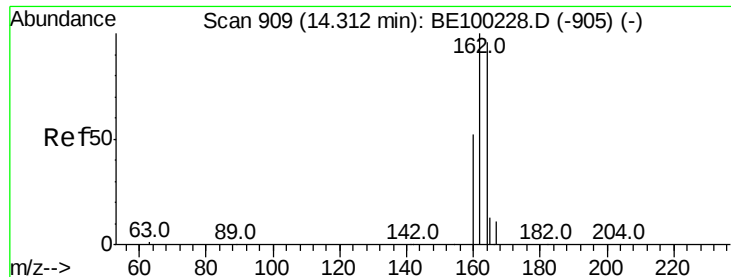
151 19.4 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BE1

Ion 151.00 (150.70 to 151.70): BE1

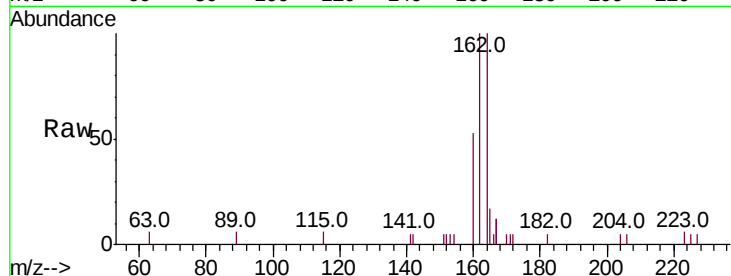




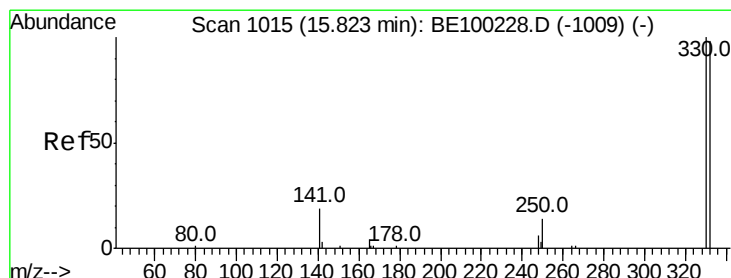
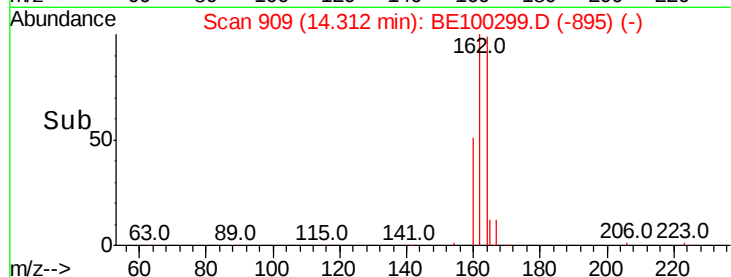
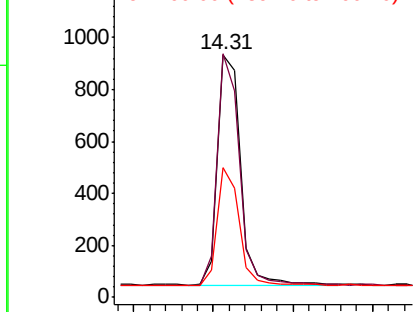
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

Instrument :
BNA_E
ClientSampleId :
PST-013-SW103-062019

Tot Ion:164 Resp: 1771
Ion Ratio Lower Upper
164 100
162 100.4 83.4 125.0
160 53.3 45.0 67.6

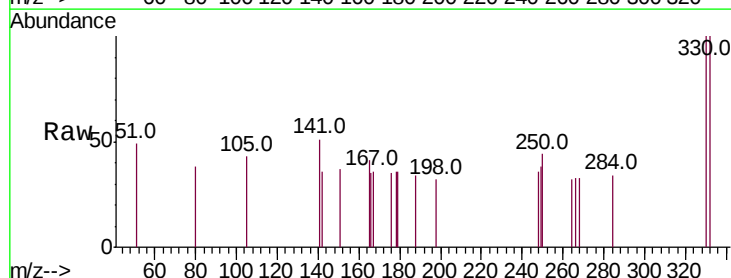


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

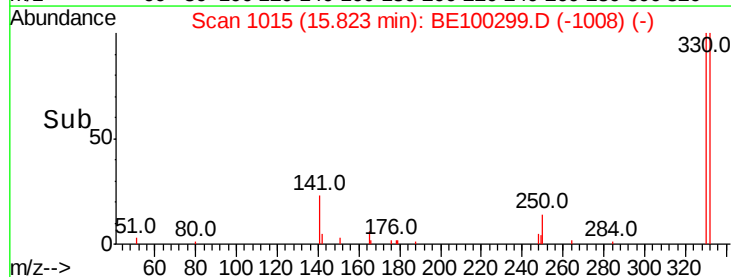
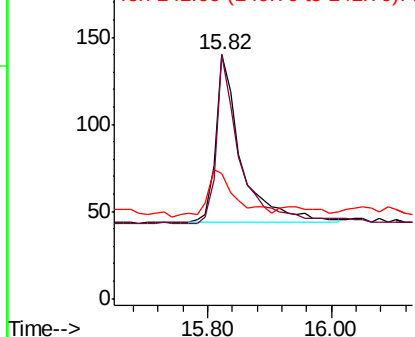


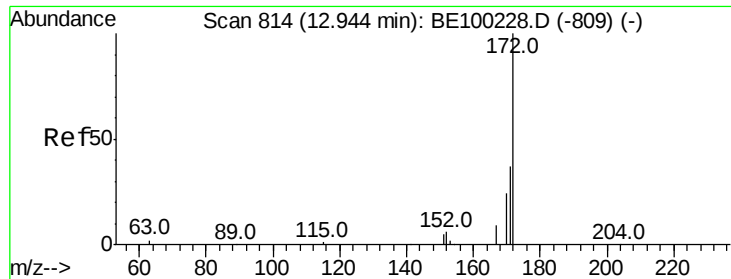
#14
2,4,6-Tribromophenol
Concen: 0.216 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

Tgt Ion:330 Resp: 268
Ion Ratio Lower Upper
330 100
332 99.3 77.0 115.4
141 28.0 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

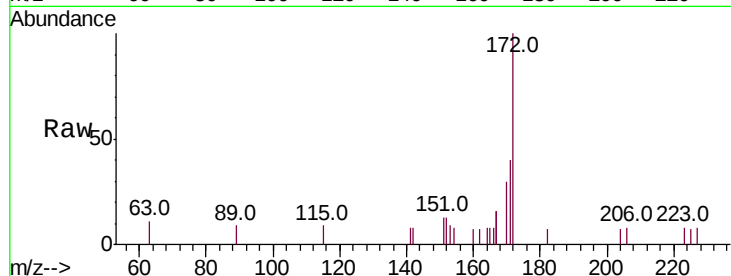




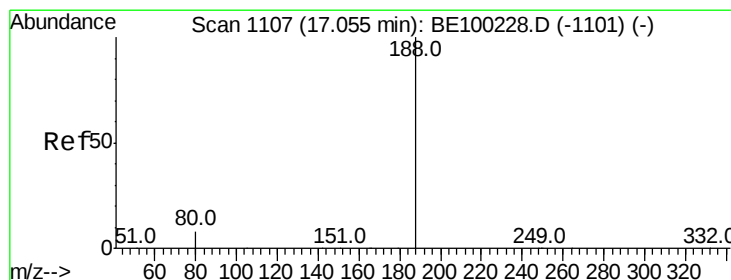
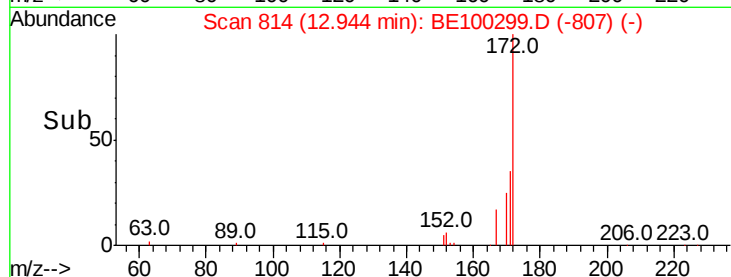
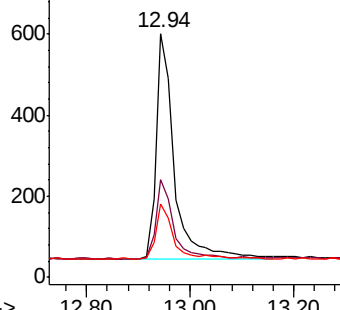
#15
2-Fluorobiphenyl
Concen: 0.200 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

Instrument :
BNA_E
ClientSampleId :
PST-013-SW103-062019

Tot Ion:172 Resp: 1378
Ion Ratio Lower Upper
172 100
171 40.1 31.9 47.9
170 30.3 22.2 33.2

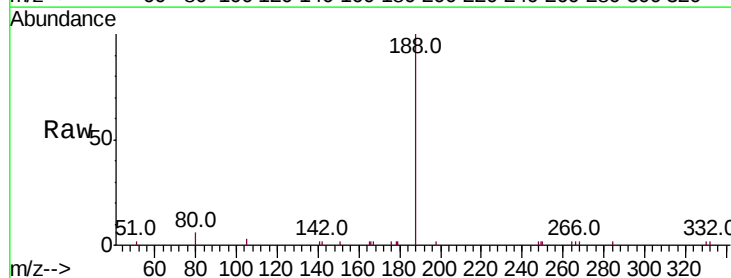


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

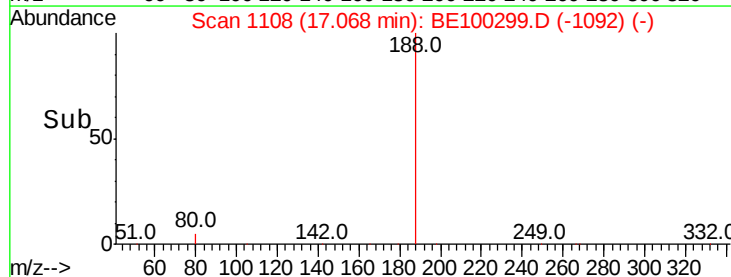
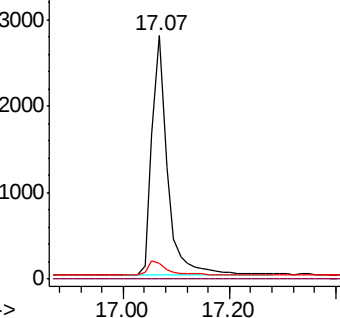


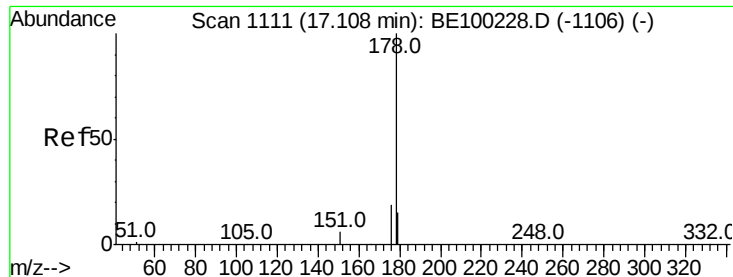
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. 0.01 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

Tgt Ion:188 Resp: 5598
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.3 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: 0.058 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100299.D

Acq: 2 Jul 2019 13:14

Instrument :

BNA_E

ClientSampleId :

PST-013-SW103-062019

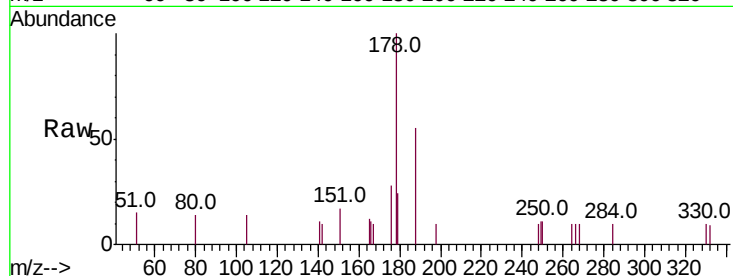
Tot Ion:178 Resp: 786

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

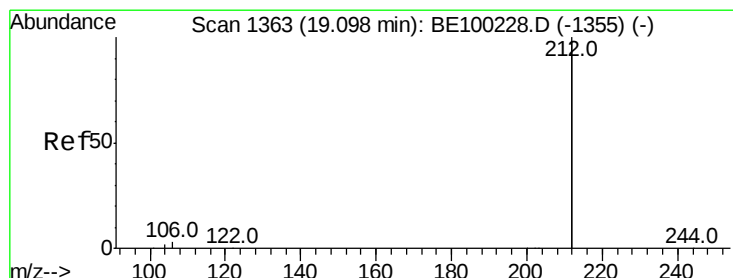
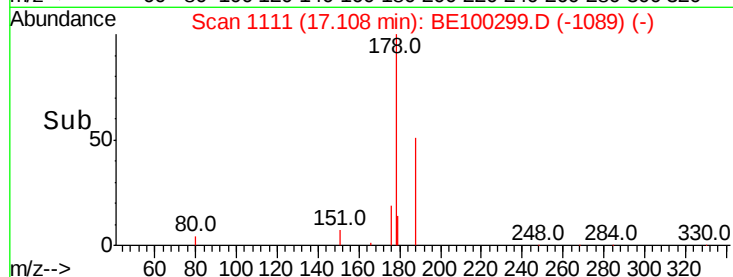
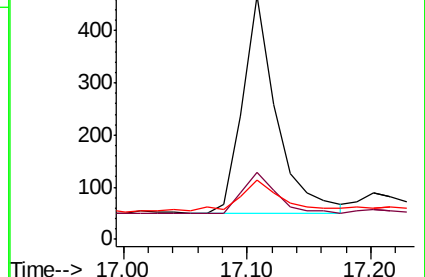
179 20.7 12.2 18.2#



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: 0.188 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100299.D

Acq: 2 Jul 2019 13:14

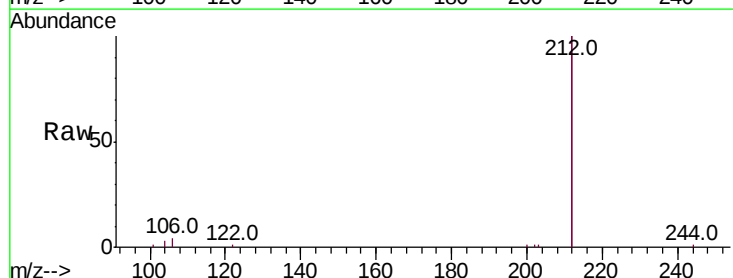
Tgt Ion:212 Resp: 15270

Ion Ratio Lower Upper

212 100

106 1.7 1.3 1.9

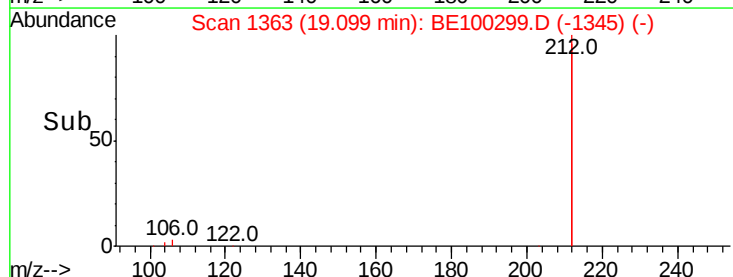
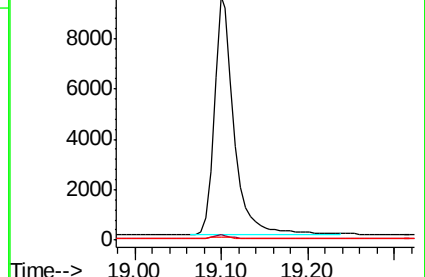
104 1.0 0.8 1.2

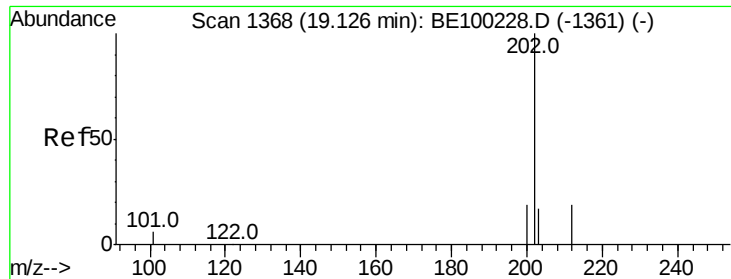


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

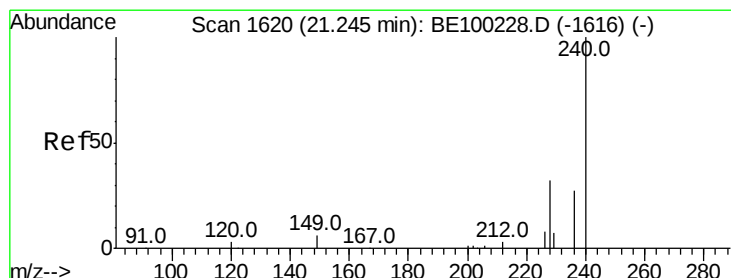
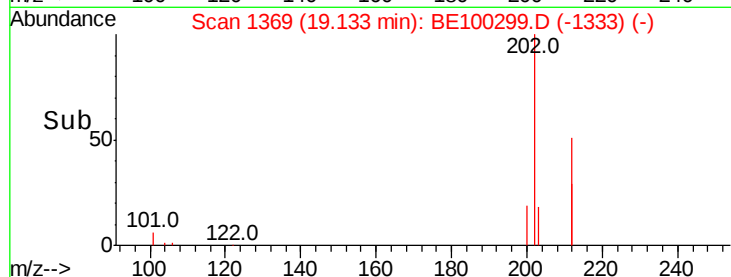
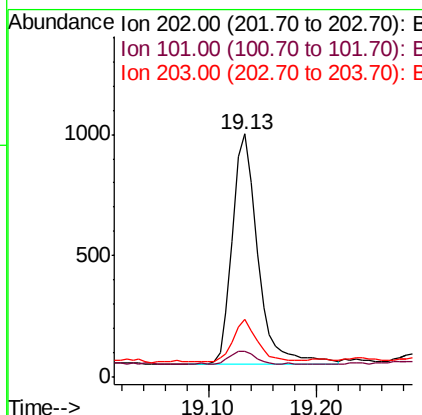
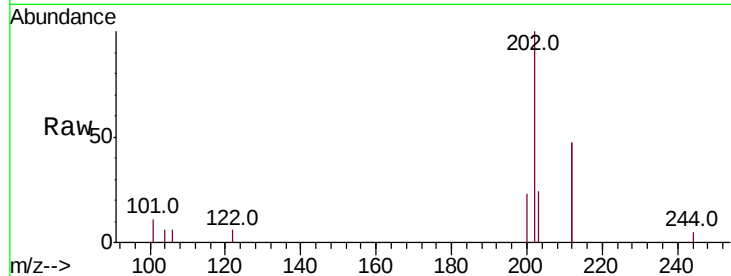




#26
Fluoranthene
Concen: 0.072 ng
RT: 19.13 min Scan# 1369
Delta R.T. 0.01 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

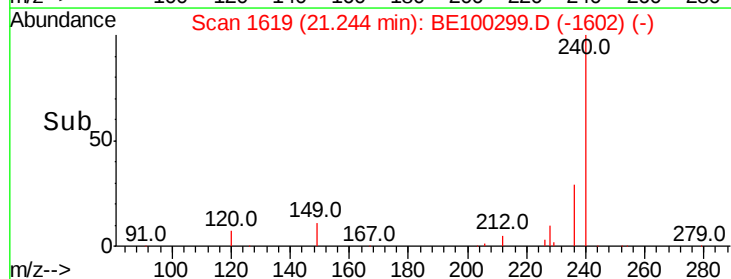
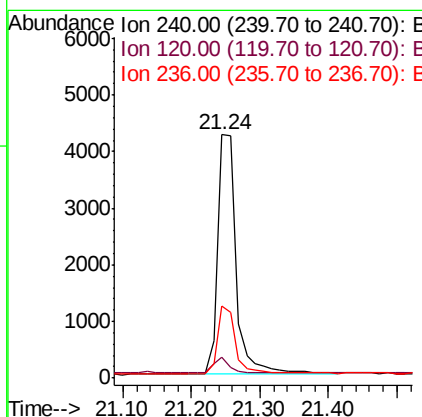
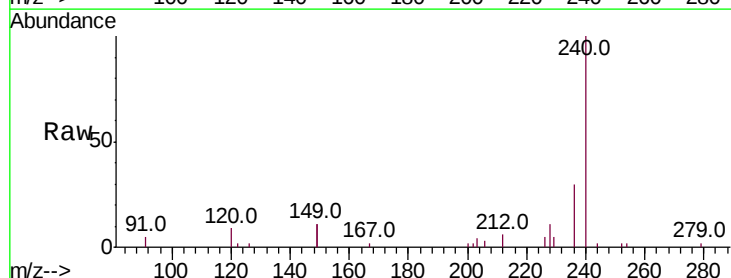
Instrument :
BNA_E
ClientSampleId :
PST-013-SW103-062019

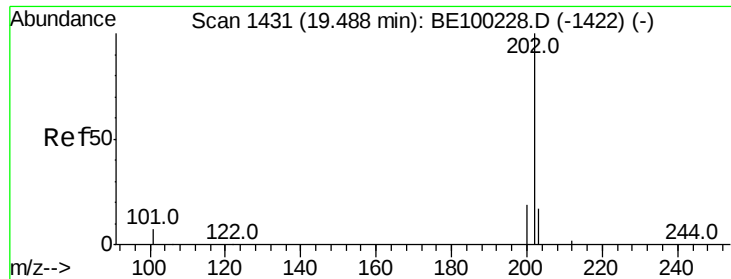
Tot Ion:202 Resp: 1559
Ion Ratio Lower Upper
202 100
101 5.8 4.6 7.0
203 17.3 13.7 20.5



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

Tgt Ion:240 Resp: 8090
Ion Ratio Lower Upper
240 100
120 8.6 3.3 4.9#
236 29.8 22.6 34.0

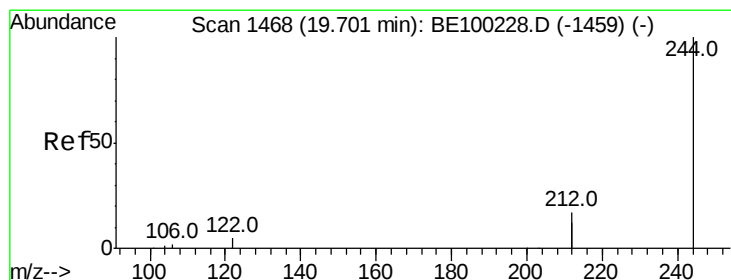
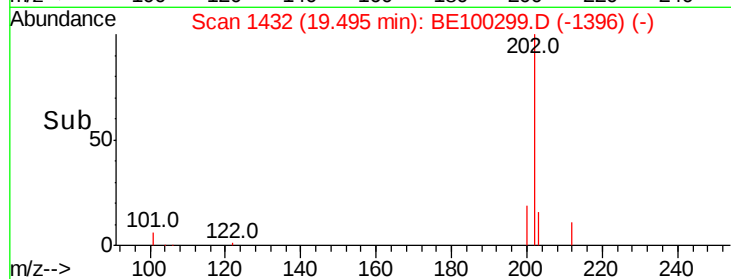
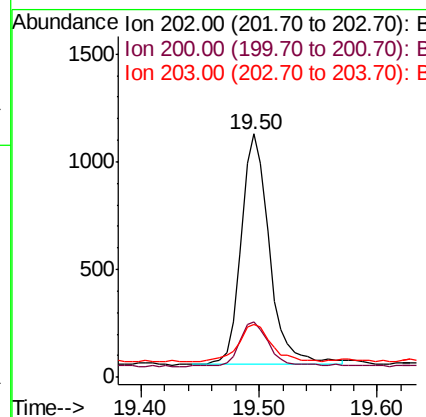
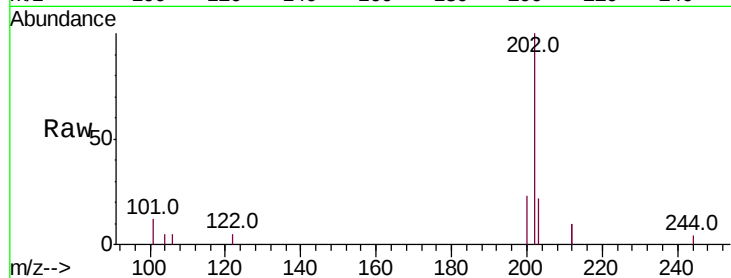




#28
Pvrene
Concen: 0.083 ng
RT: 19.50 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

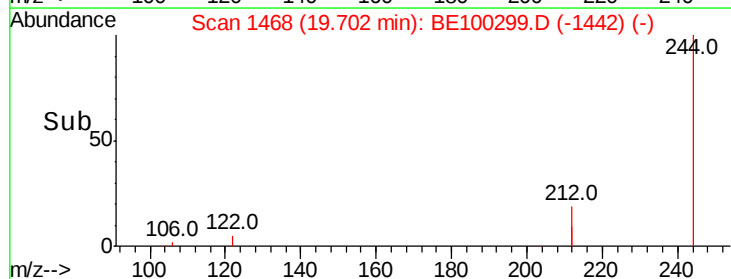
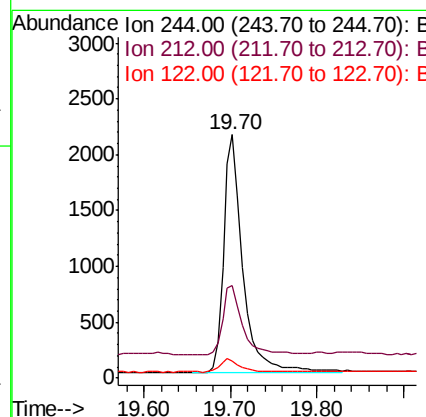
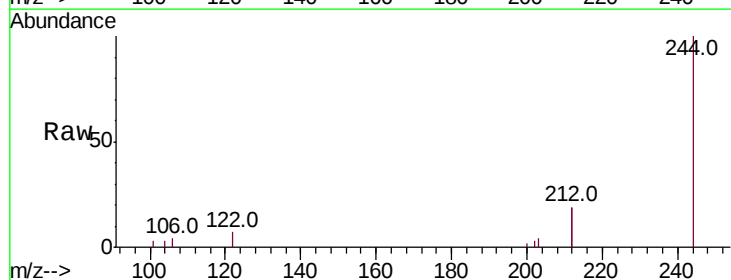
Instrument :
BNA_E
ClientSampleId :
PST-013-SW103-062019

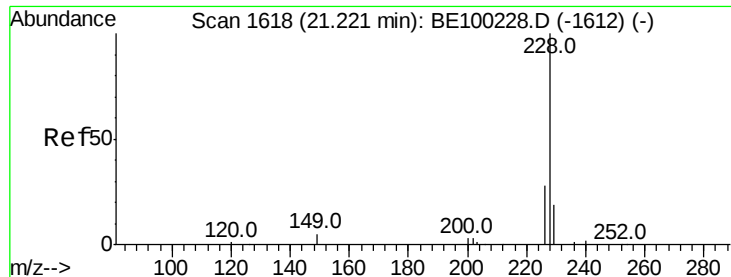
Tot Ion:202 Resp: 1779
Ion Ratio Lower Upper
202 100
200 20.4 15.6 23.4
203 19.5 14.0 21.0



#29
Terphenyl-d14
Concen: 0.198 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

Tgt Ion:244 Resp: 3319
Ion Ratio Lower Upper
244 100
212 38.1 27.3 40.9
122 7.2 4.7 7.1#





#30

Benzo(a)anthracene

Concen: 0.046 ng

RT: 21.23 min Scan# 1618

Delta R.T. 0.01 min

Lab File: BE100299.D

Acq: 2 Jul 2019 13:14

Instrument :

BNA_E

ClientSampleId :

PST-013-SW103-062019

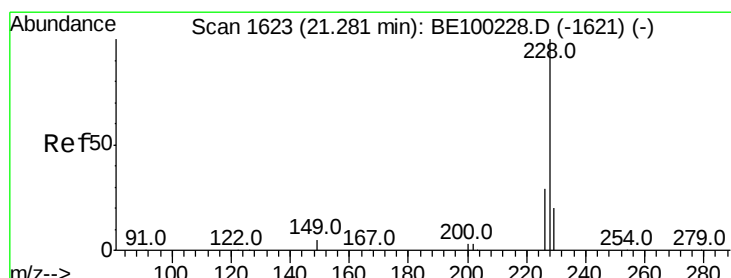
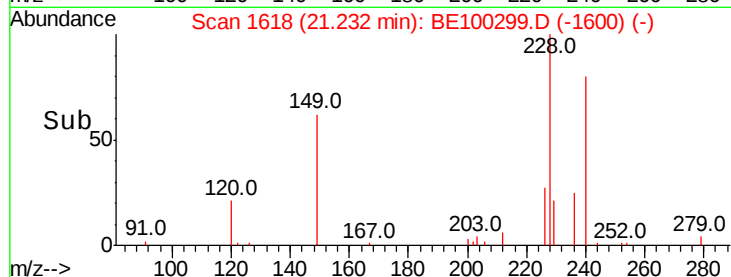
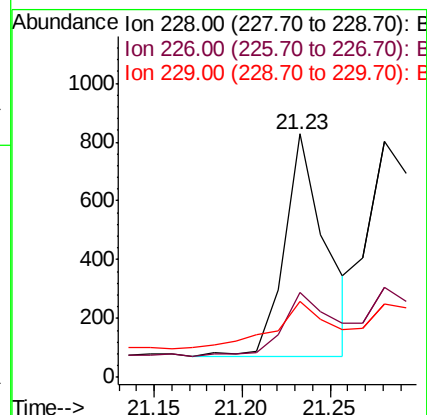
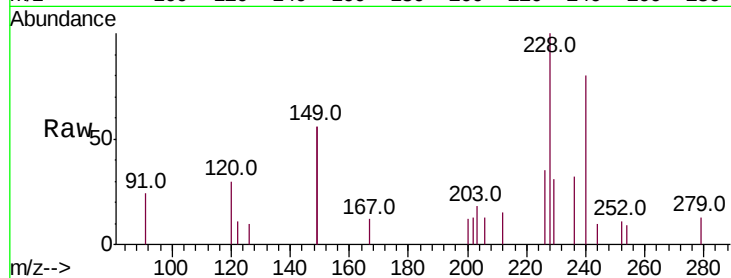
Tot Ion:228 Resp: 1231

Ion Ratio Lower Upper

228 100

226 34.9 23.2 34.8#

229 31.4 15.7 23.5#



#31

Chrysene

Concen: 0.052 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100299.D

Acq: 2 Jul 2019 13:14

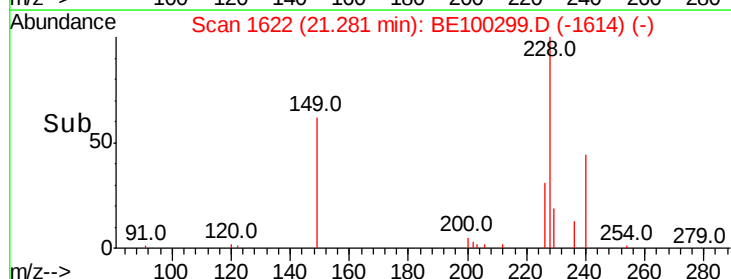
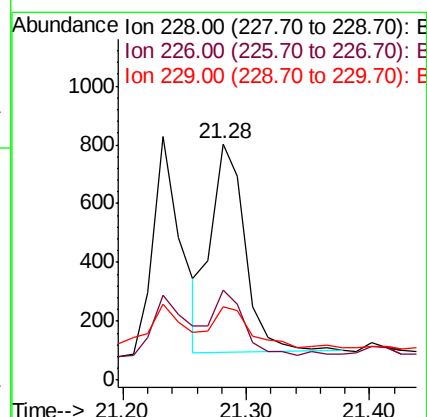
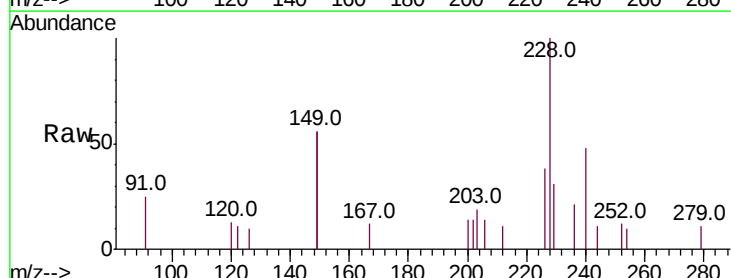
Tgt Ion:228 Resp: 1378

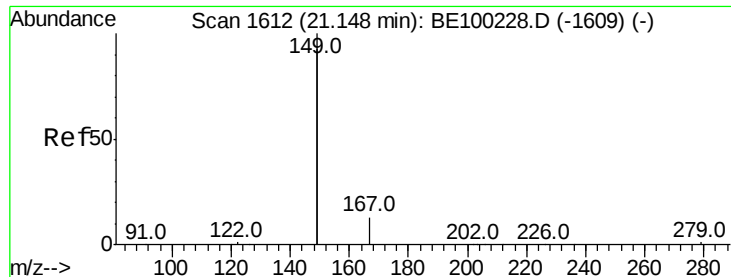
Ion Ratio Lower Upper

228 100

226 38.0 23.9 35.9#

229 30.9 16.5 24.7#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.095 ng

RT: 21.15 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE100299.D

Acq: 2 Jul 2019 13:14

Instrument :

BNA_E

ClientSampleId :

PST-013-SW103-062019

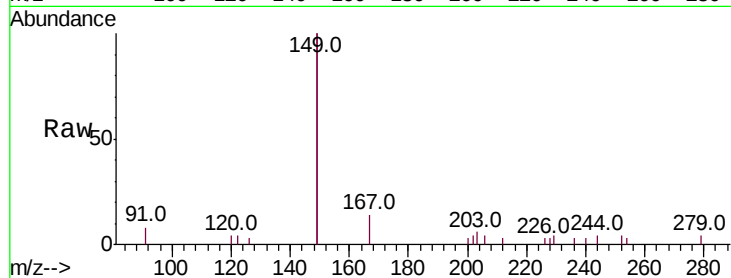
Tot Ion:149 Resp: 5730

Ion Ratio Lower Upper

149 100

167 8.1 5.8 8.8

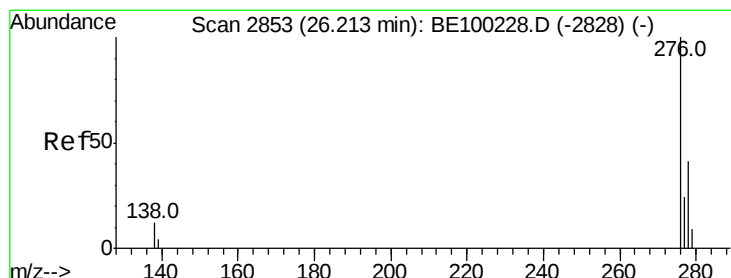
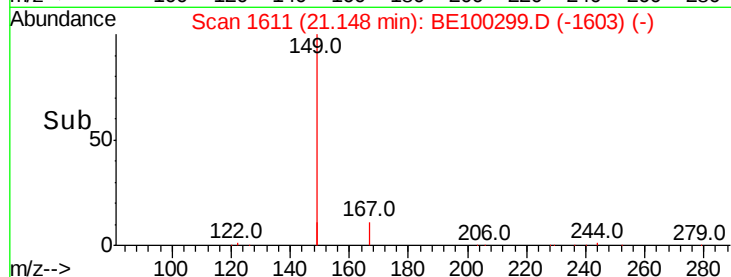
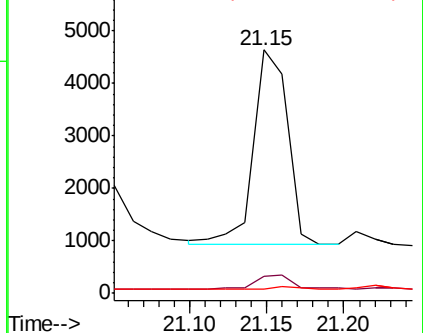
279 1.7 1.1 1.7



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: 0.023 ng

RT: 26.24 min Scan# 2859

Delta R.T. 0.03 min

Lab File: BE100299.D

Acq: 2 Jul 2019 13:14

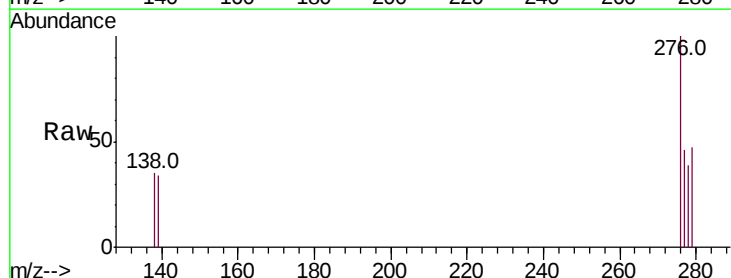
Tgt Ion:276 Resp: 828

Ion Ratio Lower Upper

276 100

138 2.5 9.4 14.0#

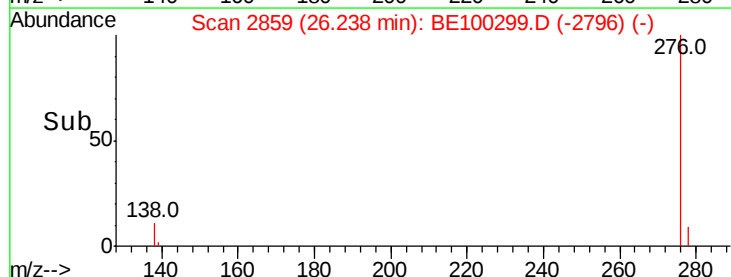
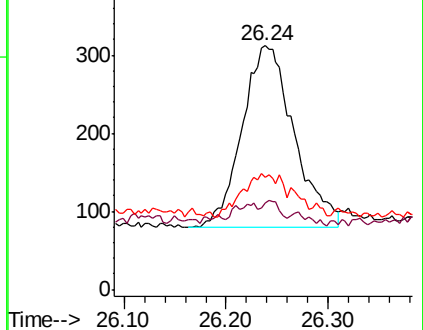
277 17.8 19.2 28.8#

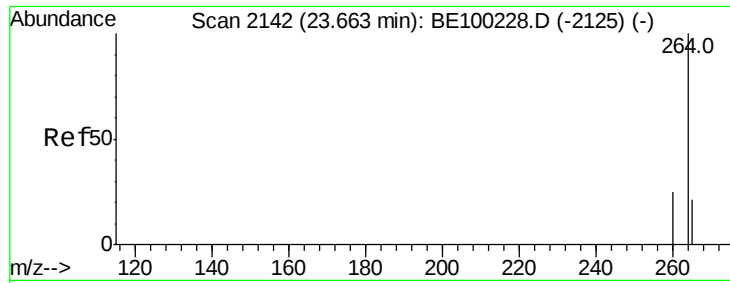


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

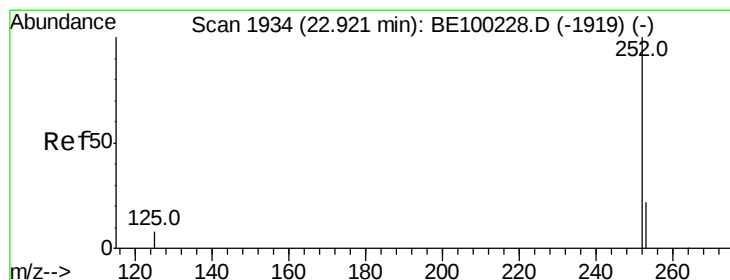
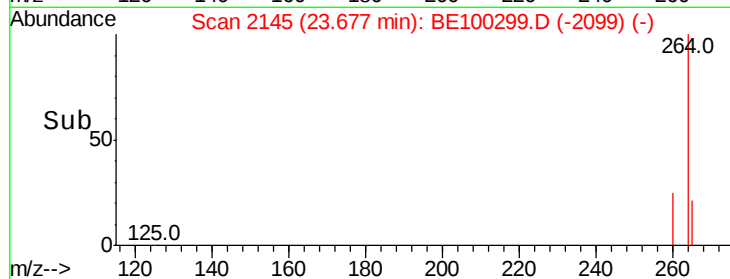
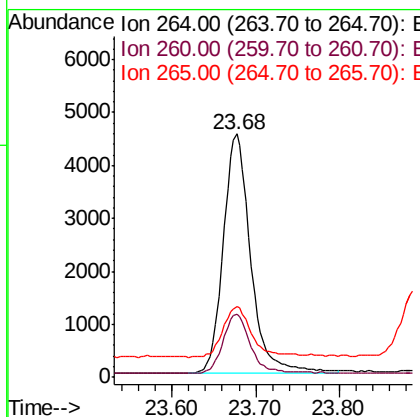
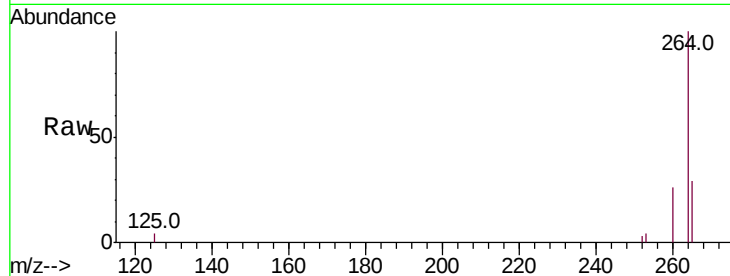




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

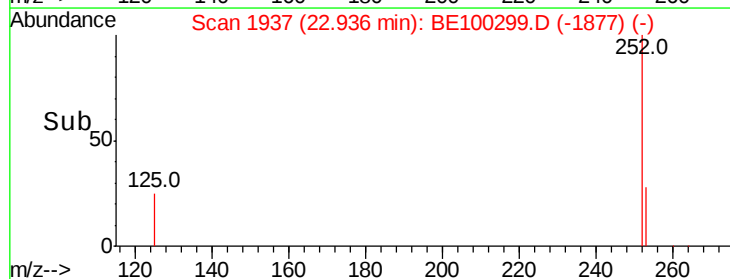
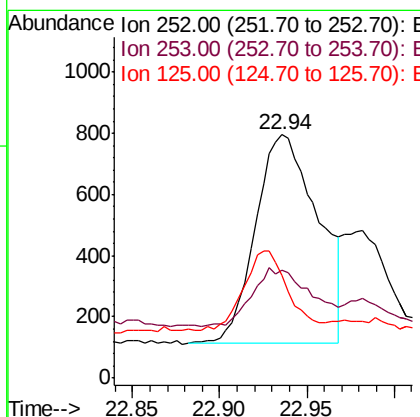
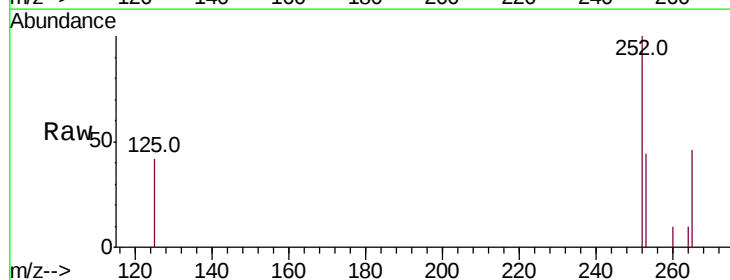
Instrument :
BNA_E
ClientSampleId :
PST-013-SW103-062019

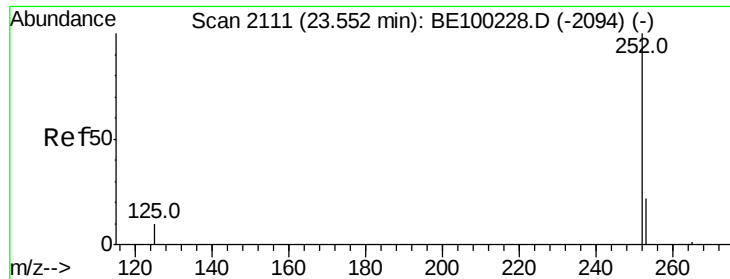
Tot Ion:264 Resp: 10324
Ion Ratio Lower Upper
264 100
260 26.1 20.8 31.2
265 29.2 21.8 32.6



#35
Benzo(b)fluoranthene
Concen: 0.060 ng
RT: 22.94 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BE100299.D
Acq: 2 Jul 2019 13:14

Tgt Ion:252 Resp: 1689
Ion Ratio Lower Upper
252 100
253 44.5 19.2 28.8#
125 42.2 7.4 11.0#





#37

Benzo(a)pyrene

Concen: 0.042 ng

RT: 23.57 min Scan# 2115

Delta R.T. 0.02 min

Lab File: BE100299.D

Acq: 2 Jul 2019 13:14

Instrument :

BNA_E

ClientSampleId :

PST-013-SW103-062019

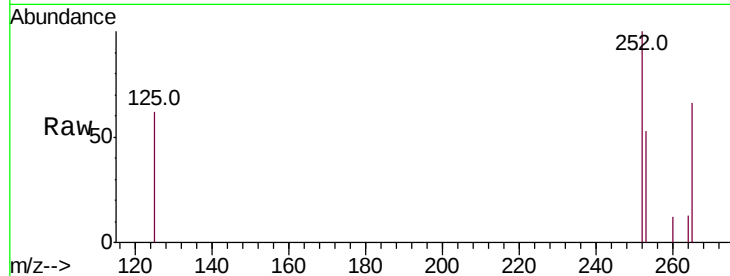
Tot Ion:252 Resp: 1174

Ion Ratio Lower Upper

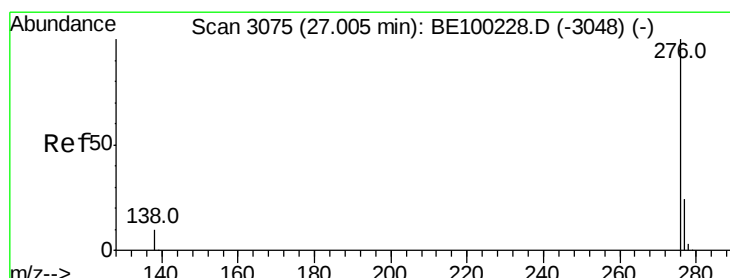
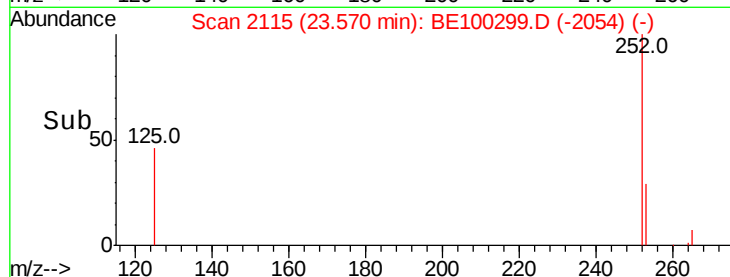
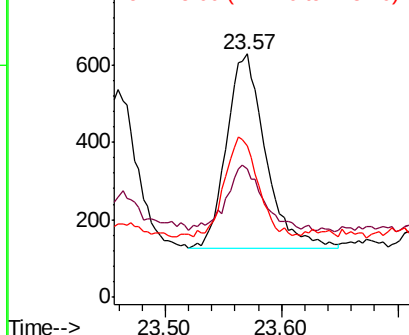
252 100

253 52.5 19.6 29.4#

125 61.9 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: 0.028 ng

RT: 27.03 min Scan# 3081

Delta R.T. 0.03 min

Lab File: BE100299.D

Acq: 2 Jul 2019 13:14

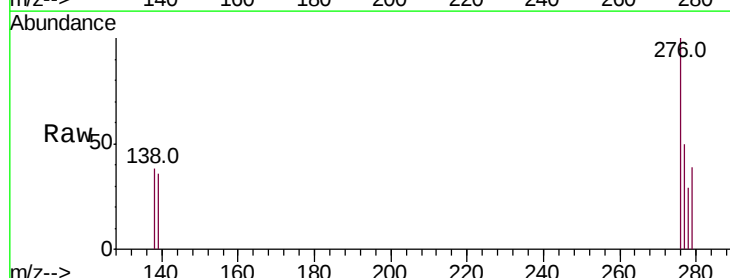
Tgt Ion:276 Resp: 849

Ion Ratio Lower Upper

276 100

277 50.3 20.2 30.2#

138 37.9 9.0 13.6#



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

