

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070219\
 Data File : BE100311.D
 Acq On : 2 Jul 2019 20:26
 Operator : JU/SJ
 Sample : K3446-14DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW123-061819-1DL

Quant Time: Jul 03 02:14:06 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	867	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3116	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2492	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6821	0.40	ng	0.00
27) Chrysene-d12	21.24	240	8814	0.40	ng	0.00
34) Perylene-d12	23.67	264	10402	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	327	0.15	ng	0.00
5) Phenol-d6	6.83	99	484	0.17	ng	-0.01
8) Nitrobenzene-d5	8.82	82	422	0.14	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	962	0.16	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	294	0.17	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	1406	0.14	ng	0.00
25) Fluoranthene-d10	19.10	212	14570	0.15	ng	0.00
29) Terphenyl-d14	19.70	244	3280	0.18	ng	0.00

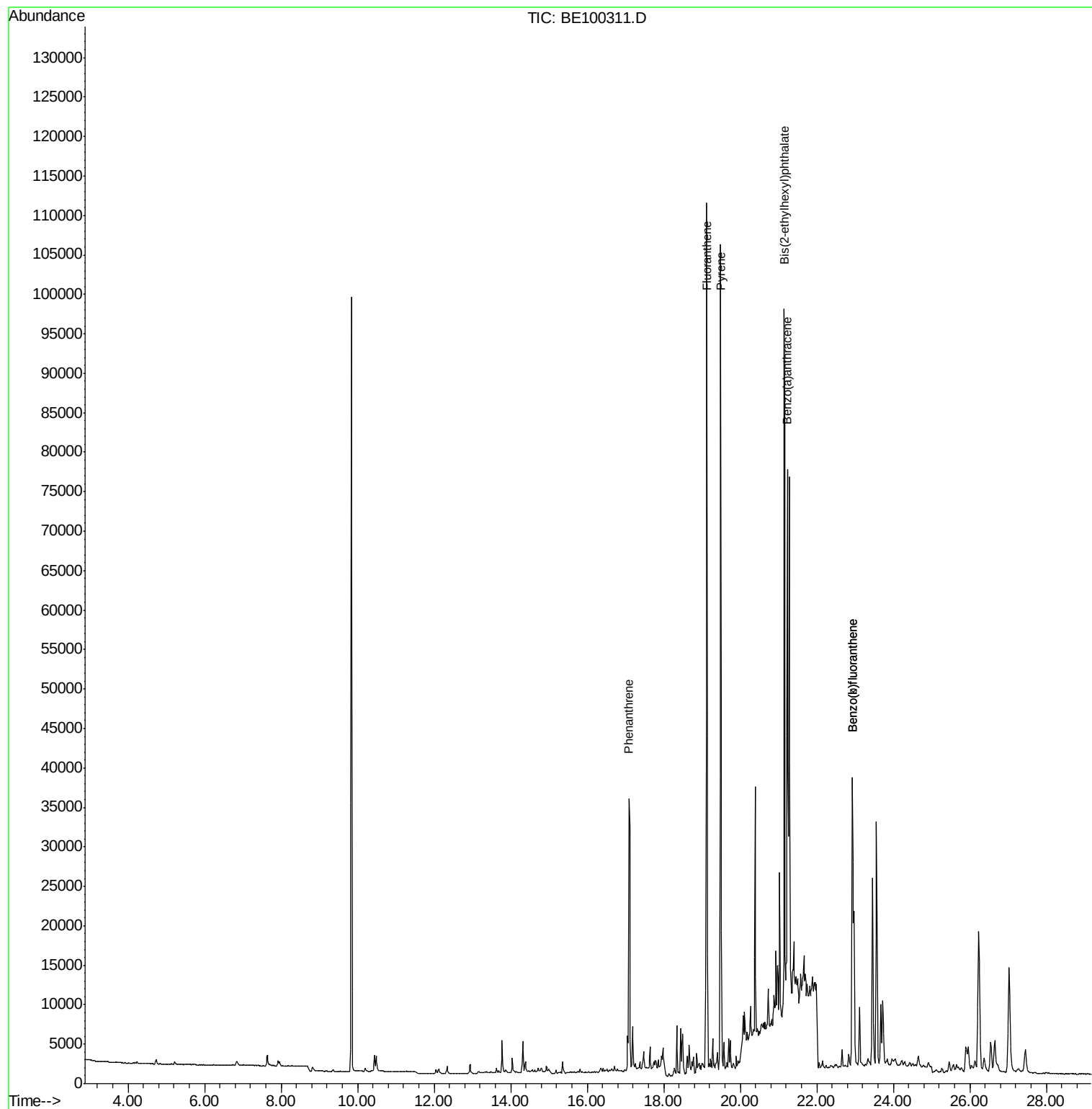
Target Compounds				Qvalue		
23) Phenanthrene	17.09	178	42153	2.550	ng	100
26) Fluoranthene	19.13	202	98293	3.733	ng	99
28) Pyrene	19.49	202	95478	4.092	ng	96
30) Benzo(a)anthracene	21.23	228	59152	2.041	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	120743	2.890	ng	99
35) Benzo(b)fluoranthene	22.93	252	67876	2.407	ng	# 97
36) Benzo(k)fluoranthene	22.93	252	67876	2.156	ng	98

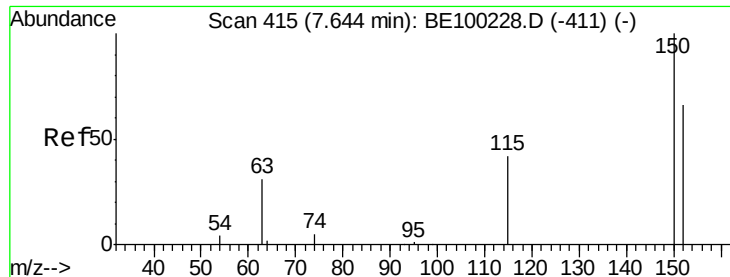
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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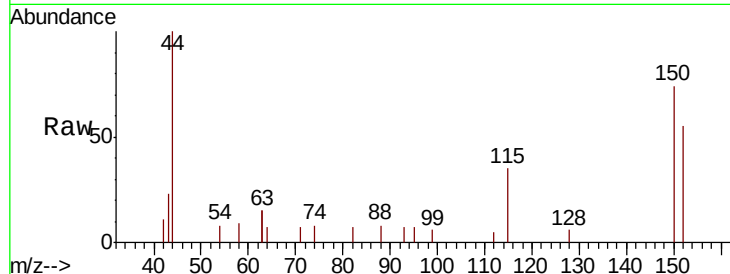


#1

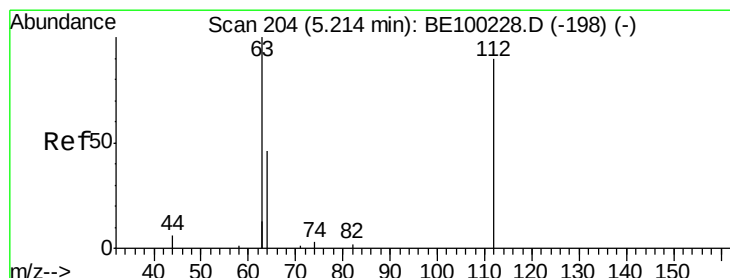
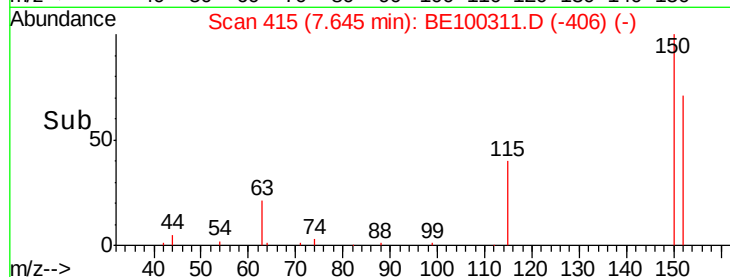
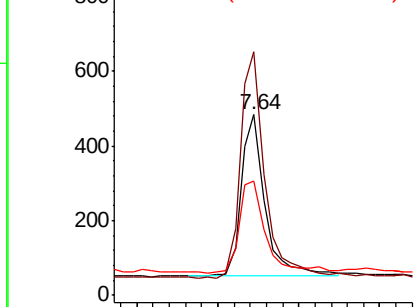
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

Tgt Ion:152 Resp: 867
Ion Ratio Lower Upper
152 100
150 135.0 114.5 171.7
115 63.4 57.1 85.7



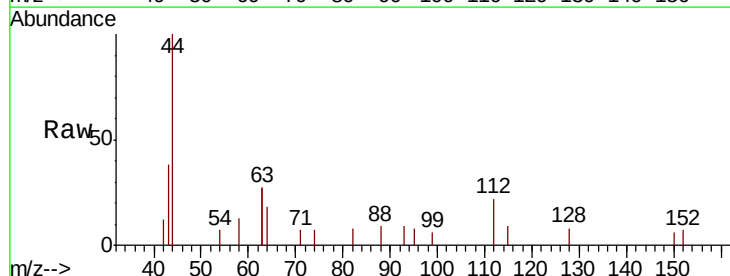
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



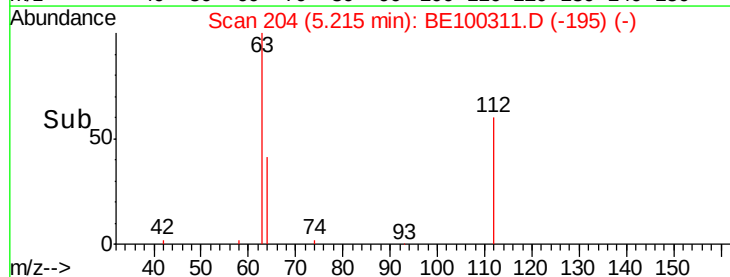
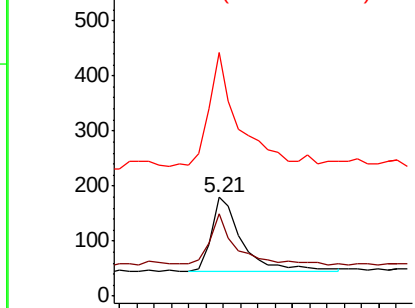
#4

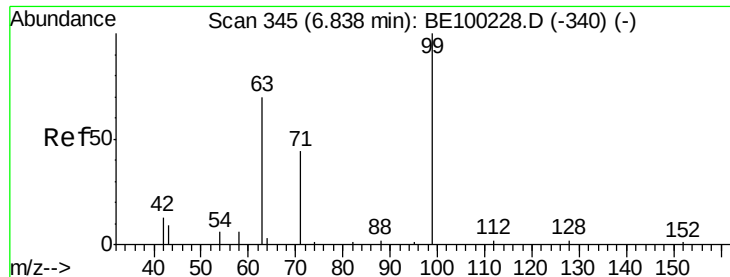
2-Fluorophenol
Concen: 0.148 ng
RT: 5.21 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion:112 Resp: 327
Ion Ratio Lower Upper
112 100
64 59.6 39.4 59.0#
63 148.3 104.5 156.7



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: 0.166 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819-1DL

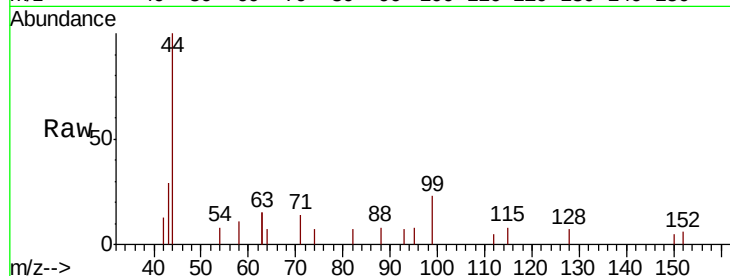
Tgt Ion: 99 Resp: 484

Ion Ratio Lower Upper

99 100

42 21.3 11.2 16.8#

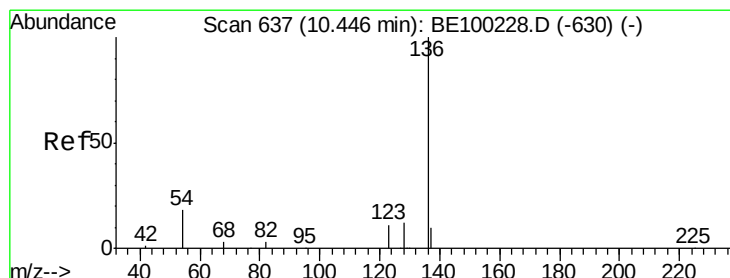
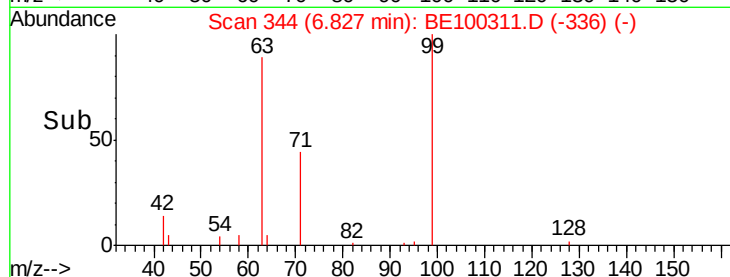
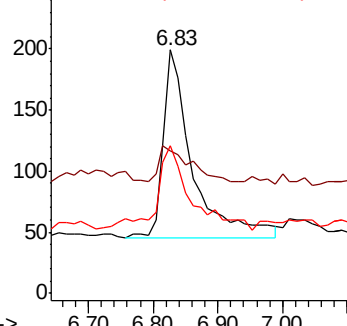
71 47.7 37.2 55.8



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: BE100311.D

Acq: 2 Jul 2019 20:26

Tgt Ion: 136 Resp: 3116

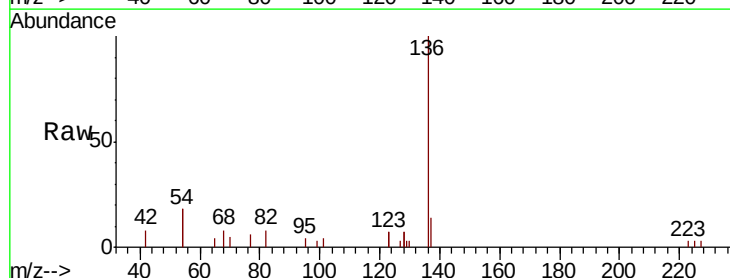
Ion Ratio Lower Upper

136 100

137 13.6 11.8 17.8

54 35.8 27.7 41.5

68 8.4 6.8 10.2

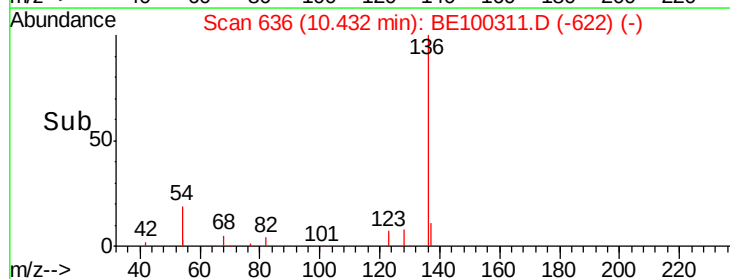
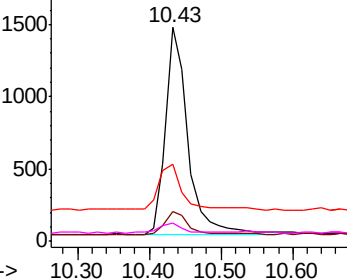


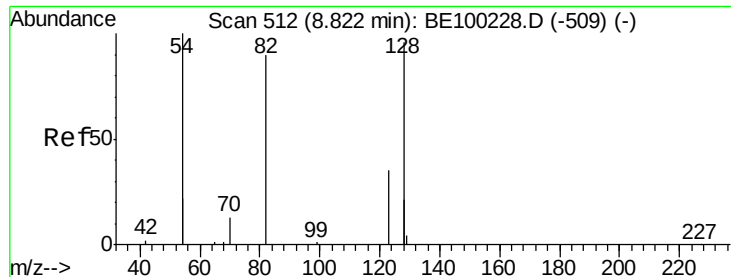
Abundance Ion 136.00 (135.70 to 136.70): BE1

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: 0.136 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819-1DL

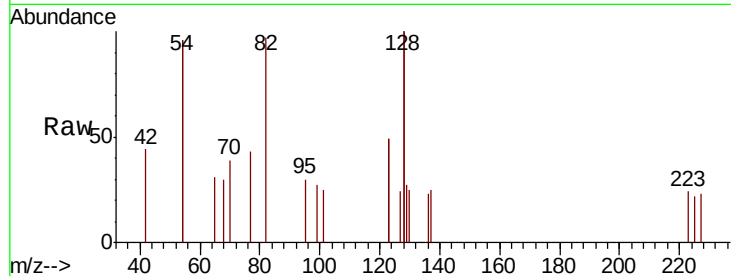
Tgt Ion: 82 Resp: 422

Ion Ratio Lower Upper

82 100

128 206.2 140.9 211.3

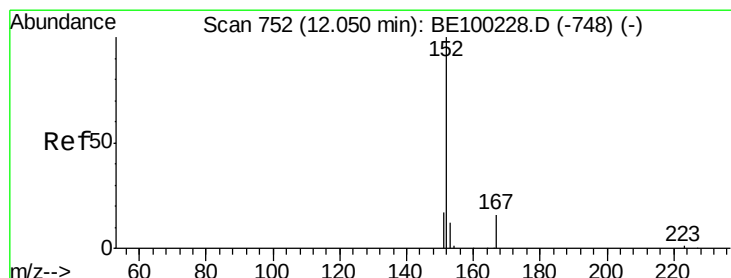
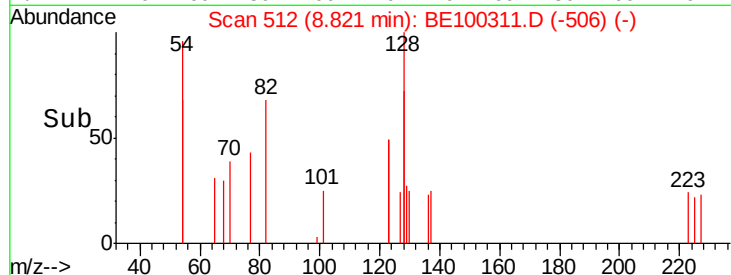
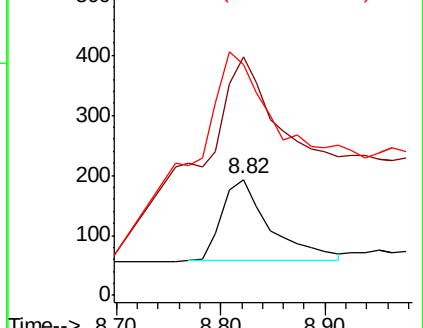
54 199.0 146.2 219.2



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: 0.164 ng

RT: 12.05 min Scan# 752

Delta R.T. -0.00 min

Lab File: BE100311.D

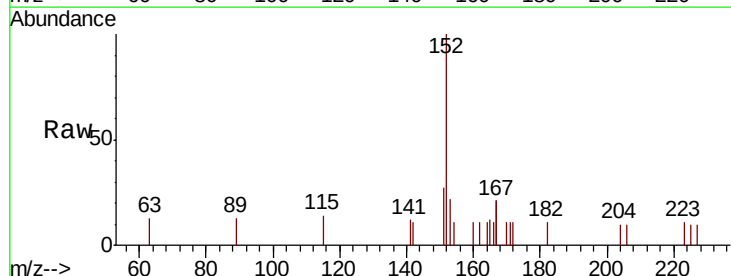
Acq: 2 Jul 2019 20:26

Tgt Ion: 152 Resp: 962

Ion Ratio Lower Upper

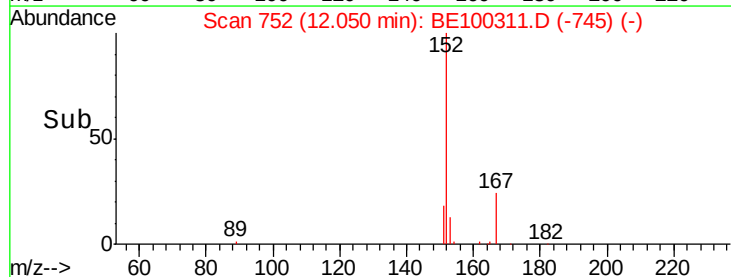
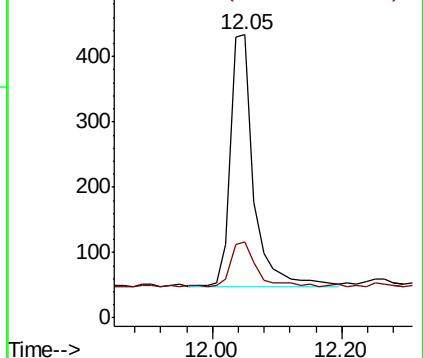
152 100

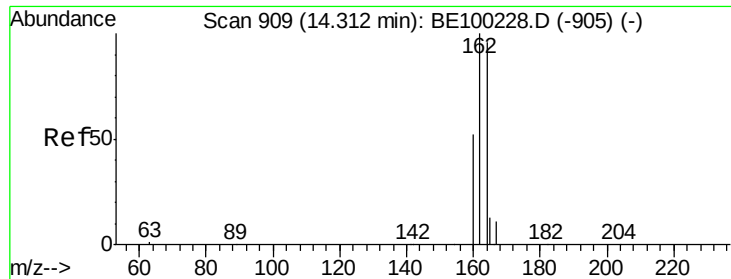
151 20.4 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

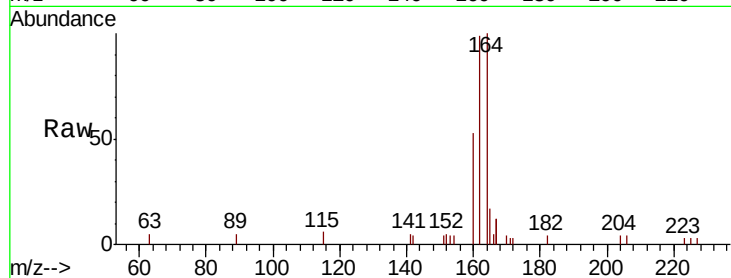




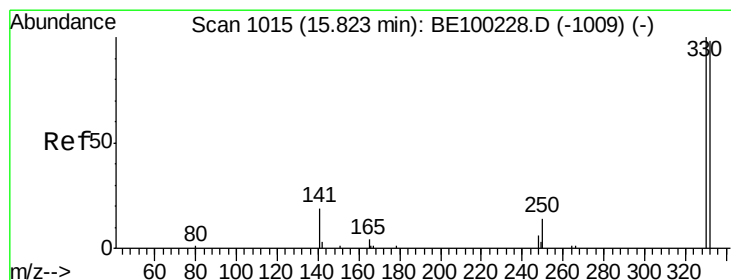
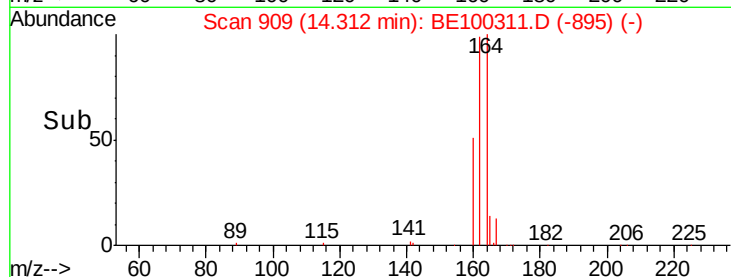
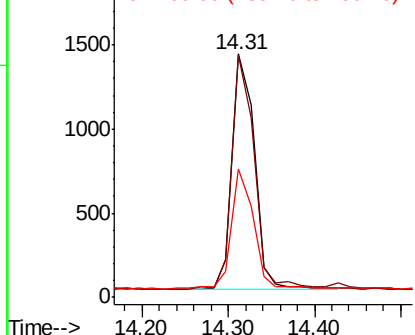
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

Tgt Ion:164 Resp: 2492
Ion Ratio Lower Upper
164 100
162 99.4 83.4 125.0
160 52.6 45.0 67.6

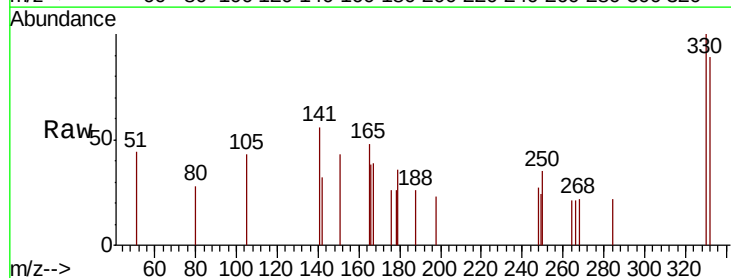


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

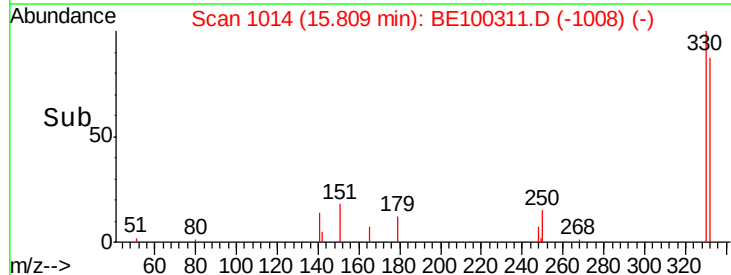
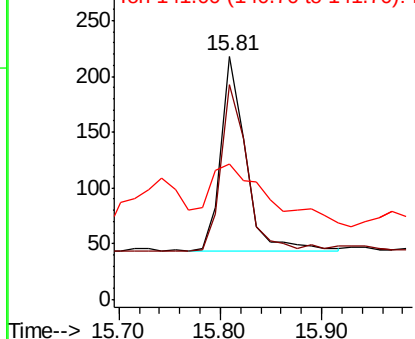


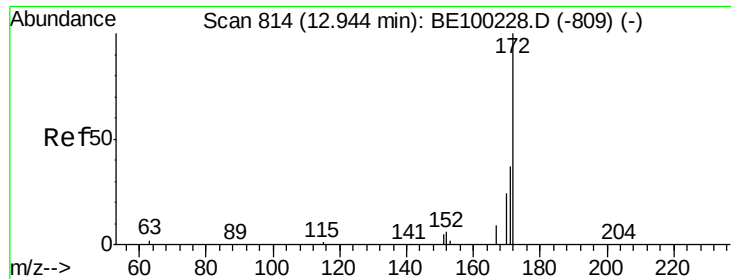
#14
2,4,6-Tribromophenol
Concen: 0.169 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion:330 Resp: 294
Ion Ratio Lower Upper
330 100
332 89.8 77.0 115.4
141 79.9 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

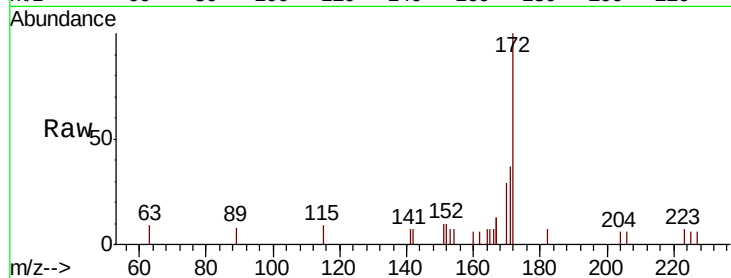




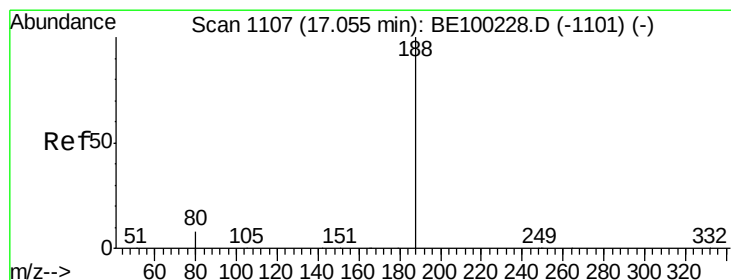
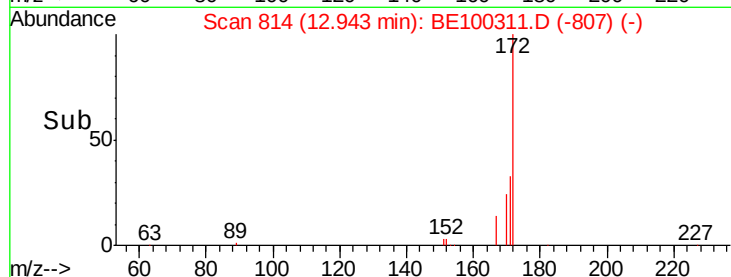
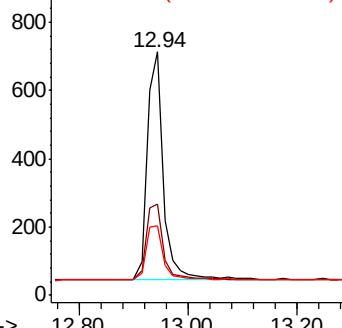
#15
2-Fluorobiphenyl
Concen: 0.145 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

Tgt Ion:172 Resp: 1406
Ion Ratio Lower Upper
172 100
171 37.3 31.9 47.9
170 28.6 22.2 33.2

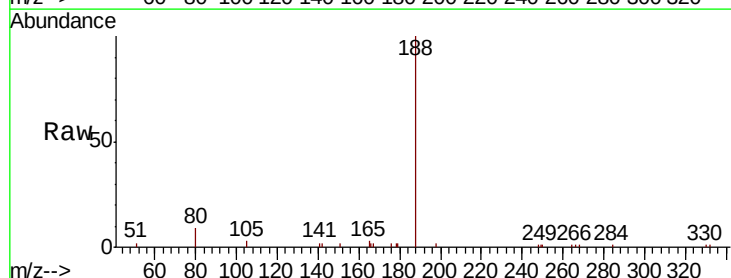


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

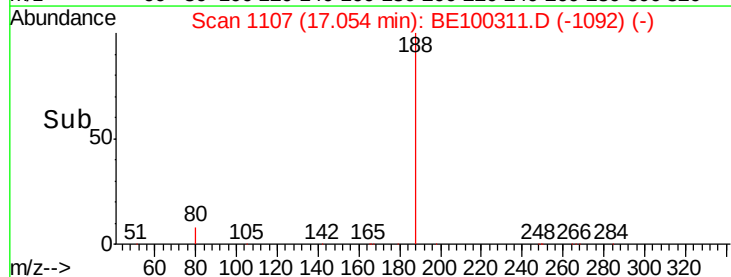
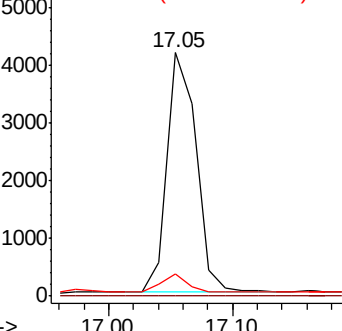


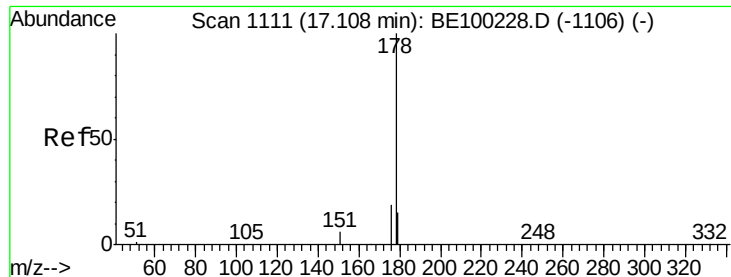
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Tgt Ion:188 Resp: 6821
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.2 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: 2.550 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819-1DL

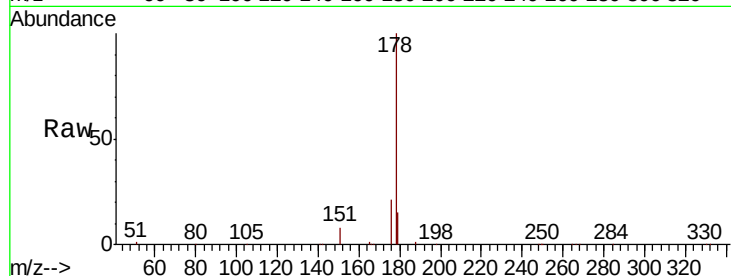
Tgt Ion:178 Resp: 42153

Ion Ratio Lower Upper

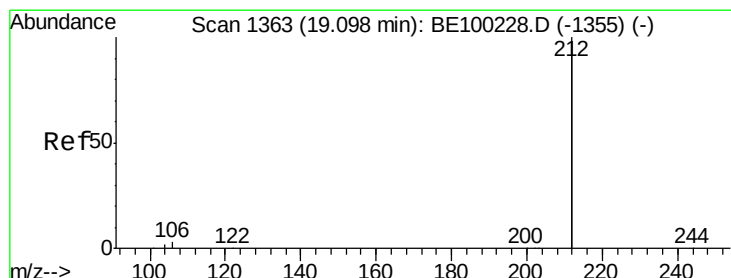
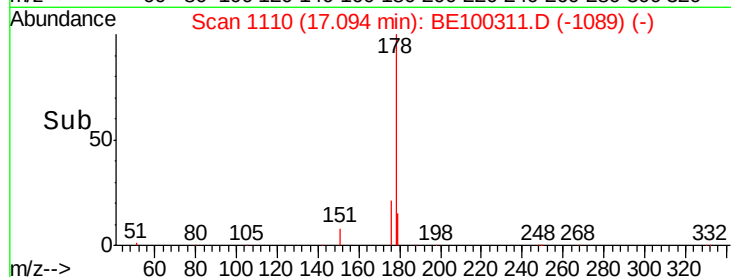
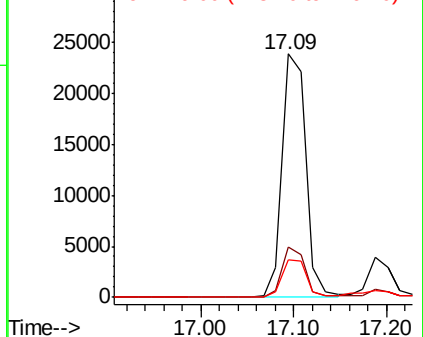
178 100

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: 0.147 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

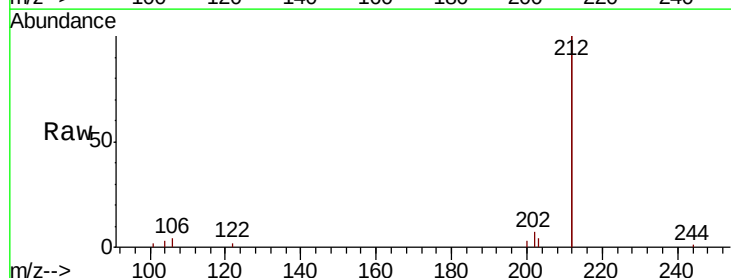
Tgt Ion:212 Resp: 14570

Ion Ratio Lower Upper

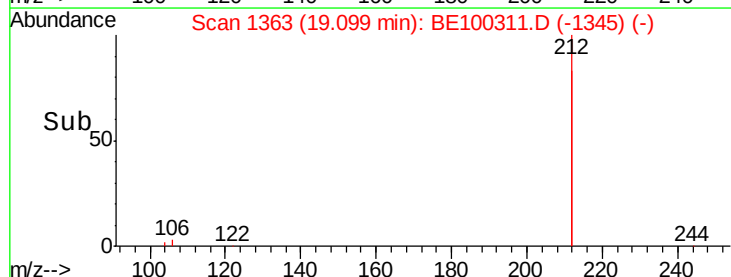
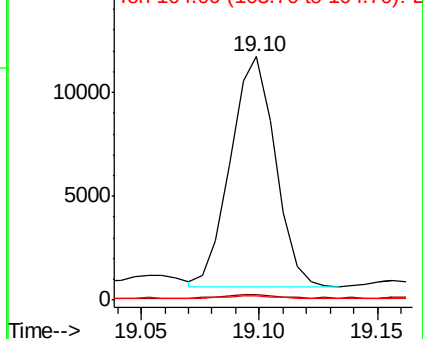
212 100

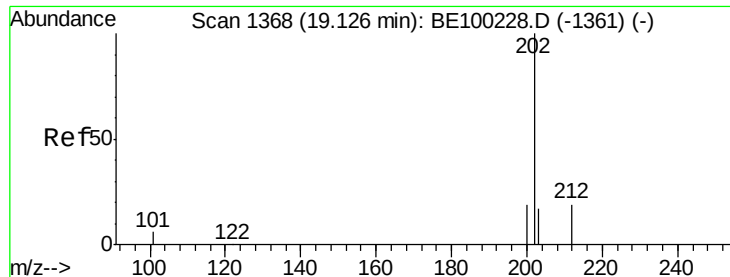
106 1.8 1.3 1.9

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

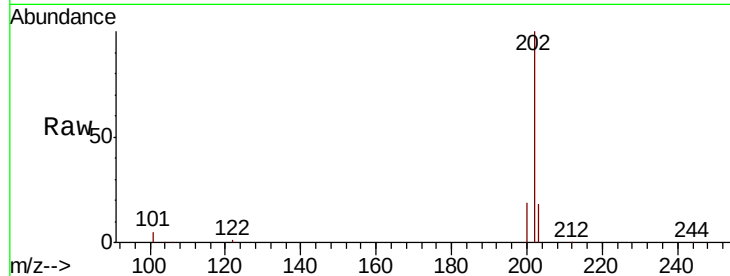




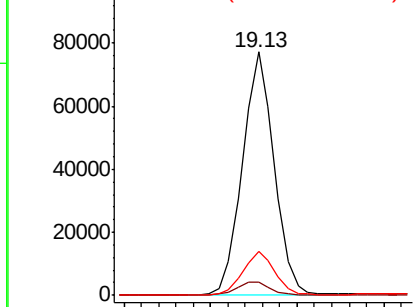
#26
Fluoranthene
Concen: 3.733 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW123-061819-1DL

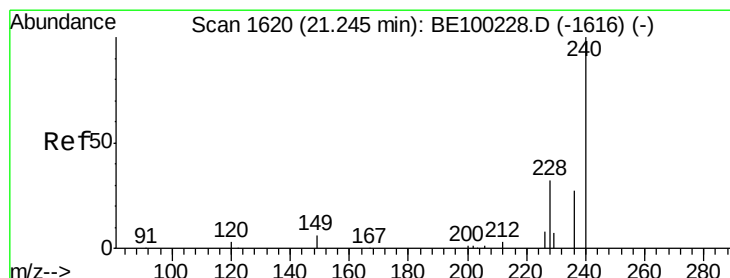
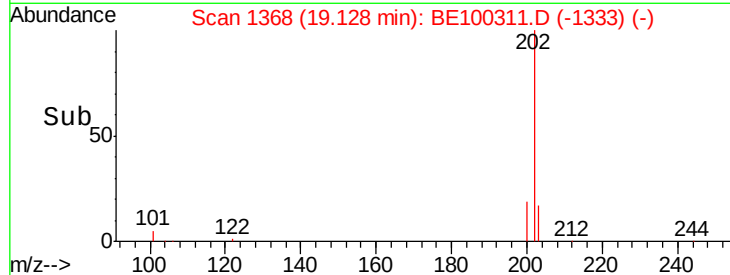
Tgt Ion:202 Resp: 98293
Ion Ratio Lower Upper
202 100
101 5.6 4.6 7.0
203 17.7 13.7 20.5



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

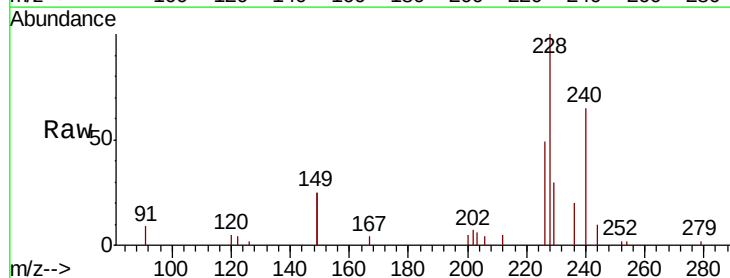


Time--> 19.05 19.10 19.15 19.20

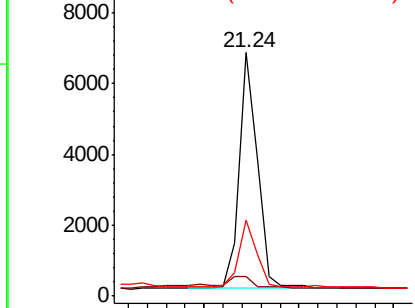


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BE100311.D
Acq: 2 Jul 2019 20:26

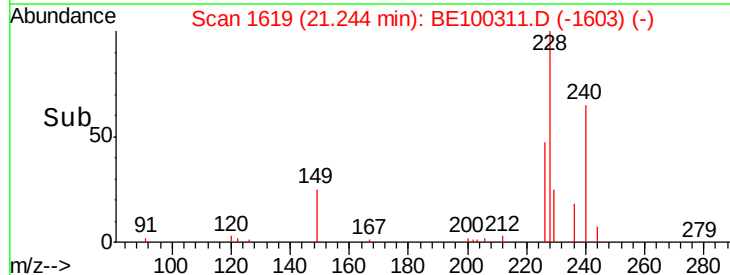
Tgt Ion:240 Resp: 8814
Ion Ratio Lower Upper
240 100
120 7.9 3.3 4.9#
236 31.0 22.6 34.0

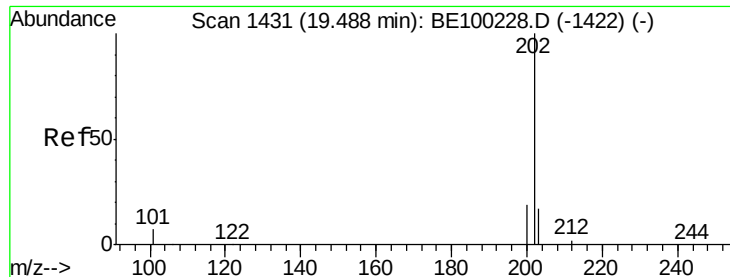


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 21.20 21.30

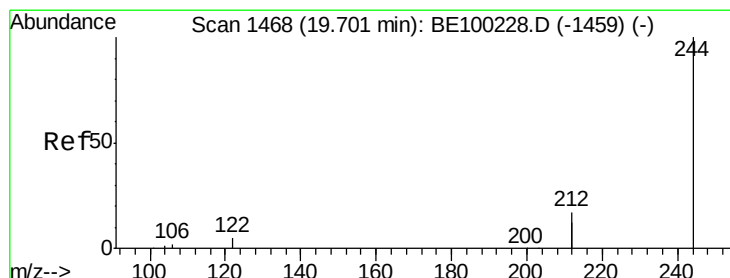
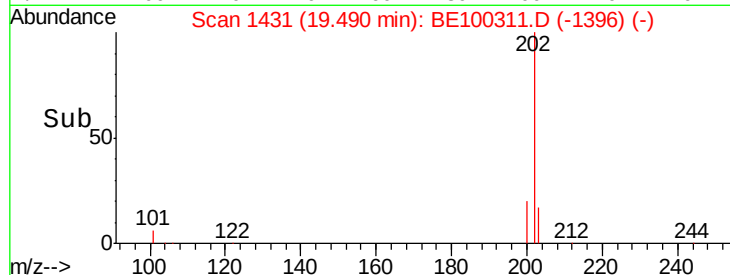
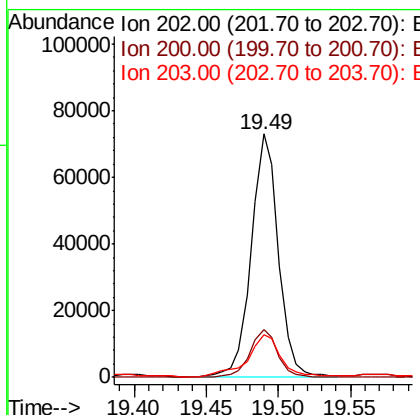
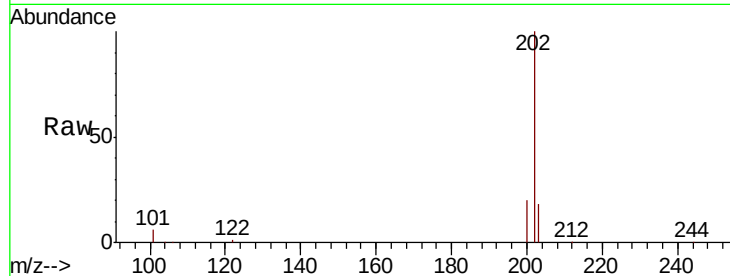




#28
 Pyrene
 Concen: 4.092 ng
 RT: 19.49 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE100311.D
 Acq: 2 Jul 2019 20:26

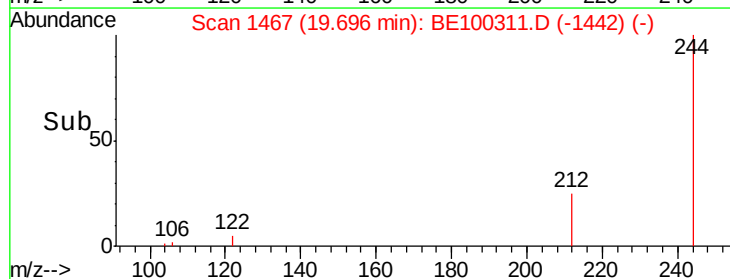
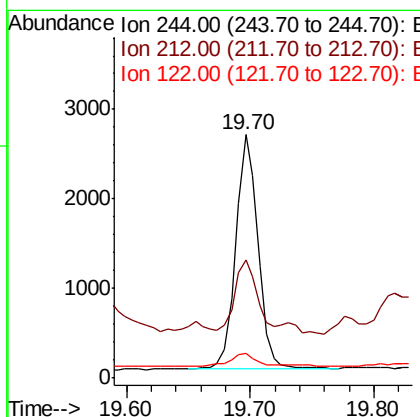
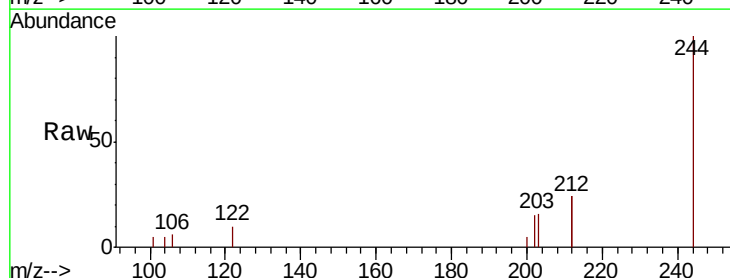
Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW123-061819-1DL

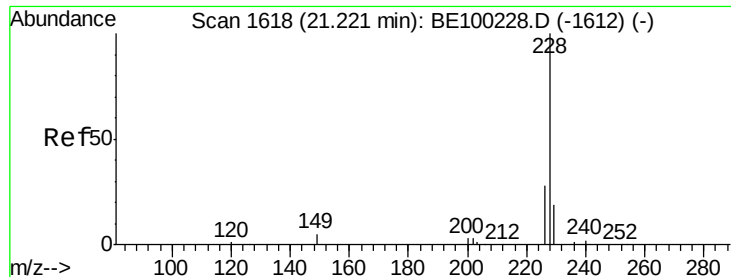
Tgt Ion: 202 Resp: 95478
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.6 23.4
 203 20.6 14.0 21.0



#29
 Terphenyl-d14
 Concen: 0.180 ng
 RT: 19.70 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BE100311.D
 Acq: 2 Jul 2019 20:26

Tgt Ion: 244 Resp: 3280
 Ion Ratio Lower Upper
 244 100
 212 48.5 27.3 40.9#
 122 10.0 4.7 7.1#





#30

Benzo(a)anthracene

Concen: 2.041 ng

RT: 21.23 min Scan# 1618

Delta R.T. 0.01 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819-1DL

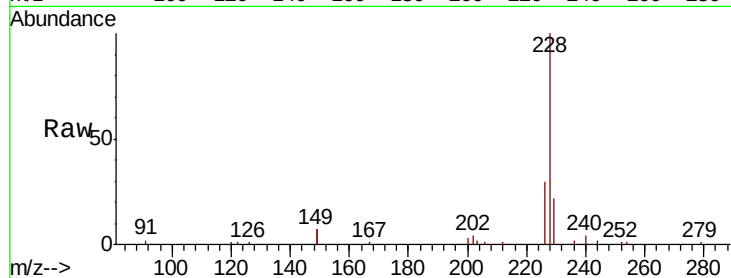
Tgt Ion:228 Resp: 59152

Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

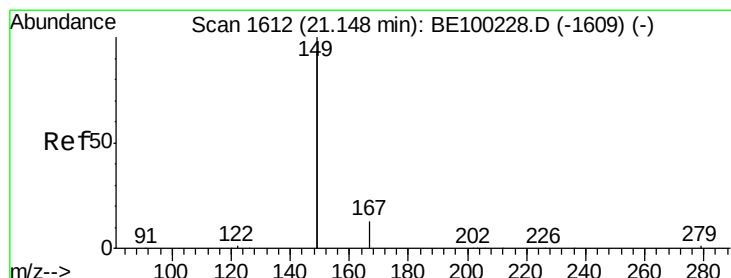
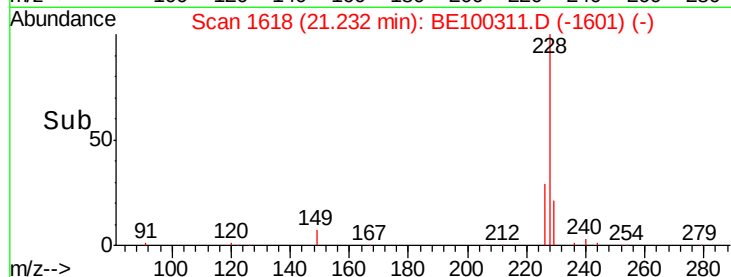
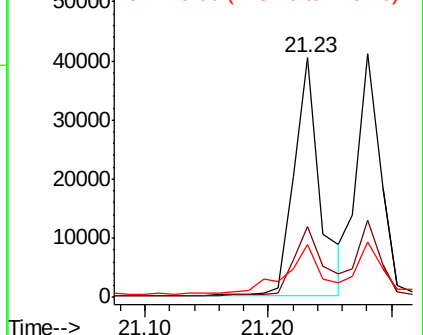
229 22.2 15.7 23.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 2.890 ng

RT: 21.15 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE100311.D

Acq: 2 Jul 2019 20:26

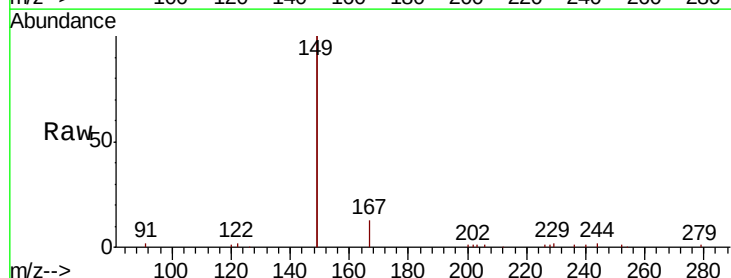
Tgt Ion:149 Resp: 120743

Ion Ratio Lower Upper

149 100

167 7.0 5.8 8.8

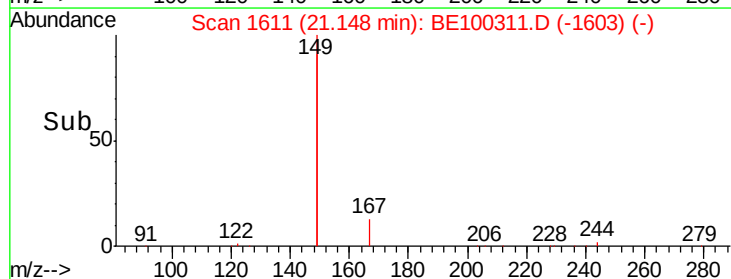
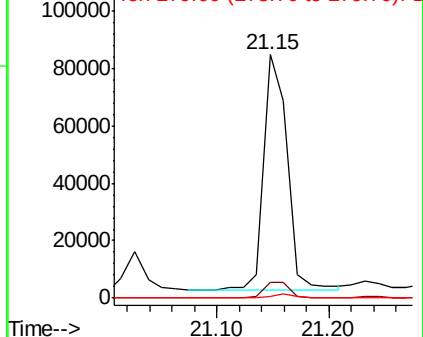
279 1.4 1.1 1.7

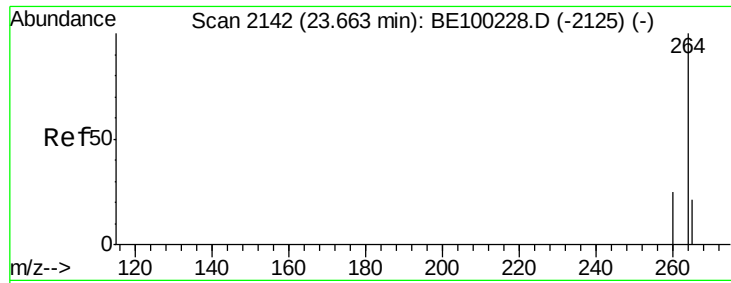


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

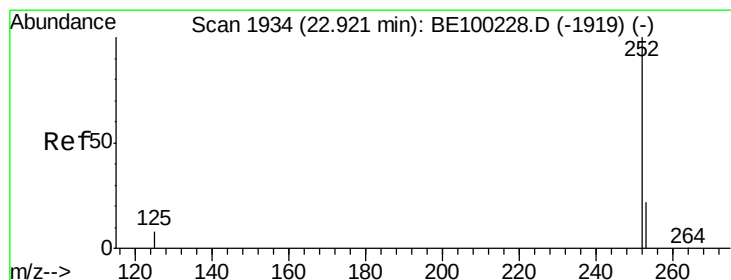
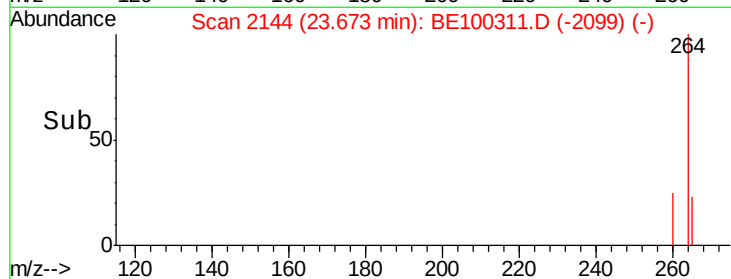
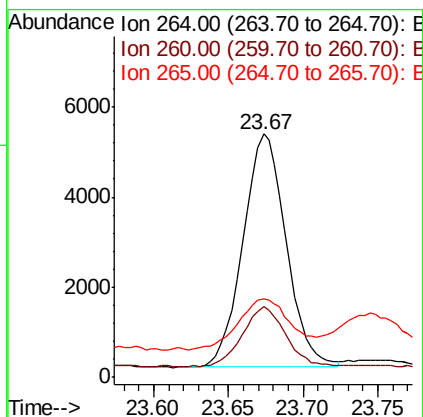
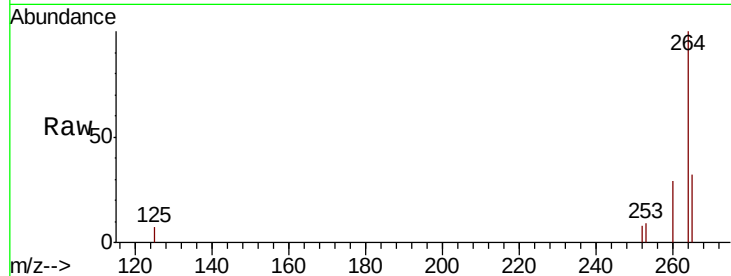




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: BE100311.D
 Acq: 2 Jul 2019 20:26

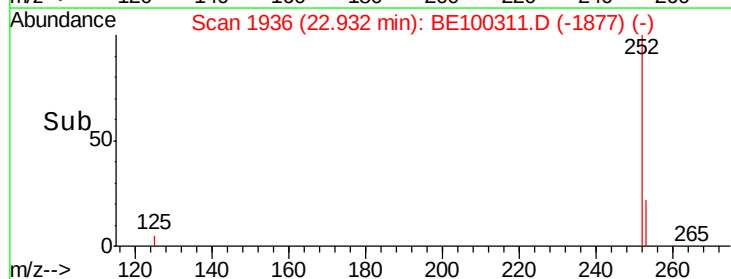
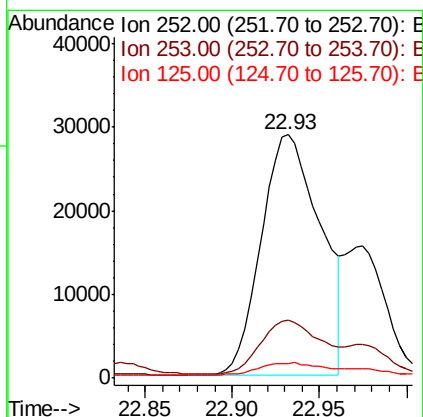
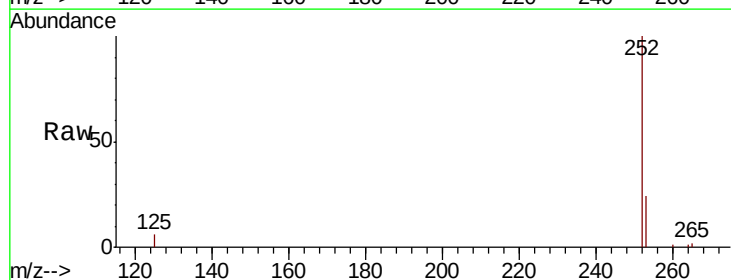
Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW123-061819-1DL

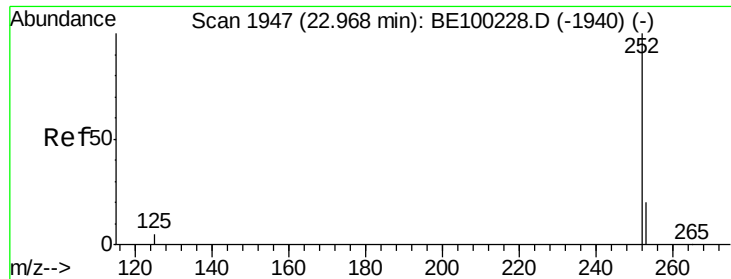
Tgt Ion: 264 Resp: 10402
 Ion Ratio Lower Upper
 264 100
 260 28.8 20.8 31.2
 265 32.4 21.8 32.6



#35
 Benzo(b)fluoranthene
 Concen: 2.407 ng
 RT: 22.93 min Scan# 1936
 Delta R.T. 0.01 min
 Lab File: BE100311.D
 Acq: 2 Jul 2019 20:26

Tgt Ion: 252 Resp: 67876
 Ion Ratio Lower Upper
 252 100
 253 23.7 19.2 28.8
 125 6.2 7.4 11.0#





#36
 Benzo(k)fluoranthene
 Concen: 2.156 ng
 RT: 22.93 min Scan# 1936
 Delta R.T. -0.04 min
 Lab File: BE100311.D
 Acq: 2 Jul 2019 20:26

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW123-061819-1DL

Tgt Ion: 252 Resp: 67876
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.9 26.9
 125 6.2 5.0 7.4

