

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070219\
 Data File : BE100309.D
 Acq On : 2 Jul 2019 19:15
 Operator : JU/SJ
 Sample : K3445-20DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW110-061719DL

Quant Time: Jul 03 02:13:43 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

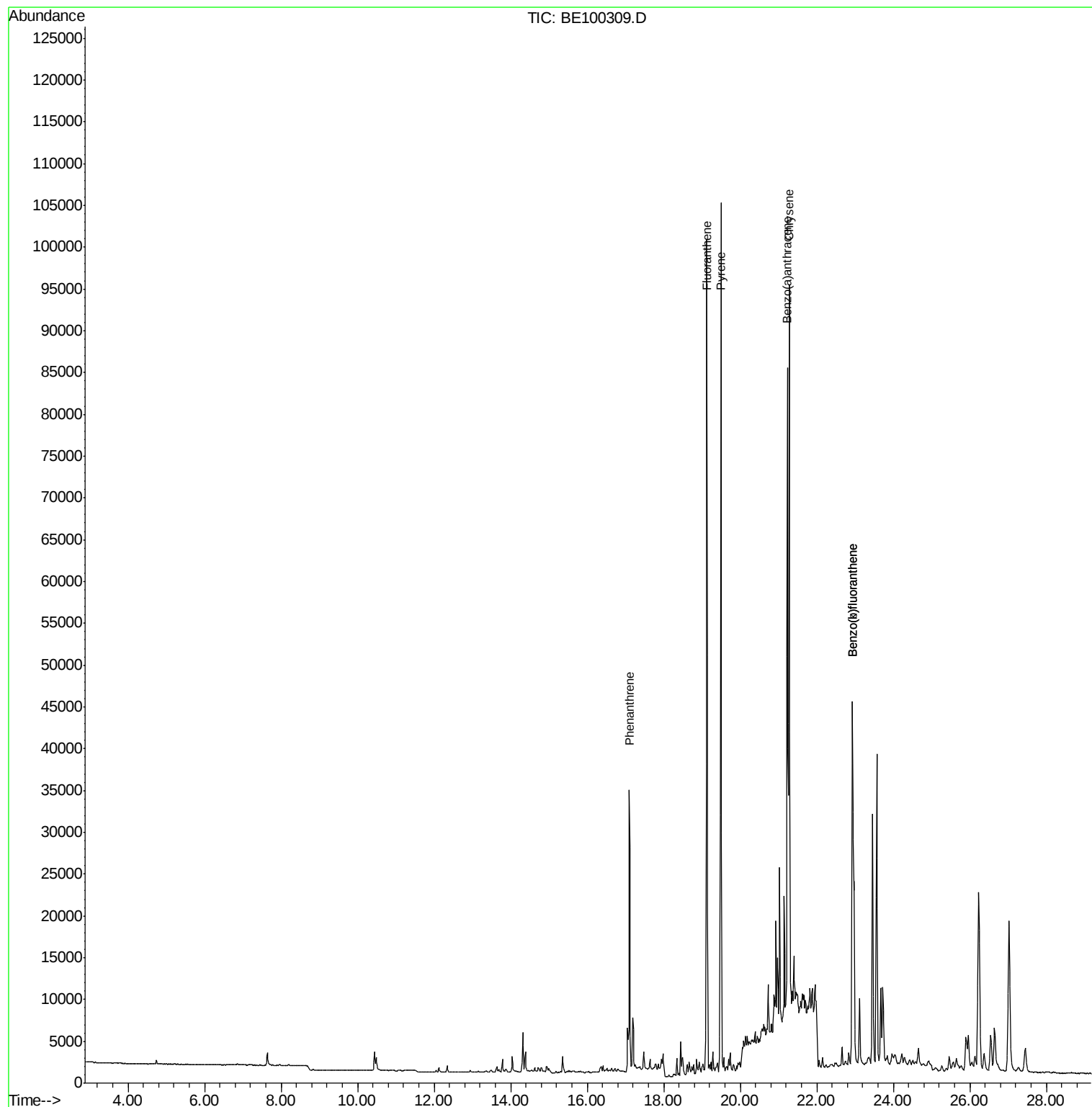
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	1005	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3672	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2946	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7986	0.40	ng	0.00
27) Chrysene-d12	21.24	240	10366	0.40	ng	0.00
34) Perylene-d12	23.67	264	12700	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	86	0.03	ng	0.01
5) Phenol-d6	6.84	99	92	0.03	ng	0.00
8) Nitrobenzene-d5	8.82	82	104	0.03	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	403	0.06	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	65	0.03	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	367	0.03	ng	0.00
25) Fluoranthene-d10	19.10	212	6453	0.06	ng	0.00
29) Terphenyl-d14	19.70	244	979	0.05	ng	0.00
Target Compounds						Qvalue
23) Phenanthrene	17.09	178	39810	2.057	ng	100
26) Fluoranthene	19.13	202	94985	3.081	ng	99
28) Pyrene	19.49	202	103168	3.759	ng	# 95
30) Benzo(a)anthracene	21.23	228	73265	2.150	ng	97
31) Chrysene	21.28	228	70288	2.054	ng	98
35) Benzo(b)fluoranthene	22.93	252	83993	2.439	ng	# 96
36) Benzo(k)fluoranthene	22.93	252	83993	2.185	ng	98

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

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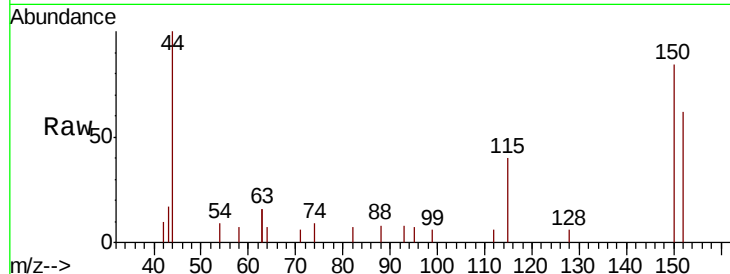


#1

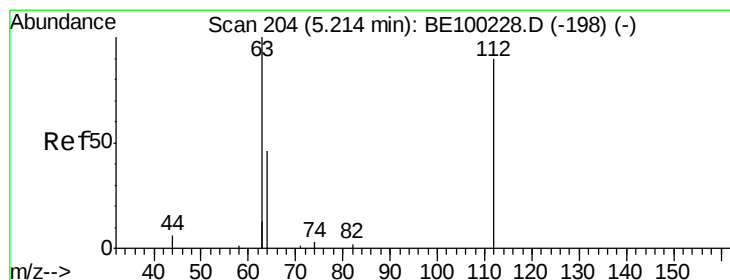
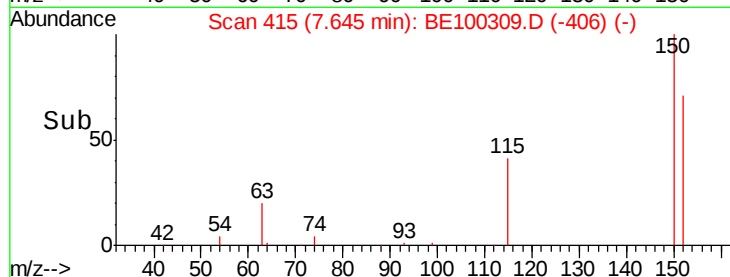
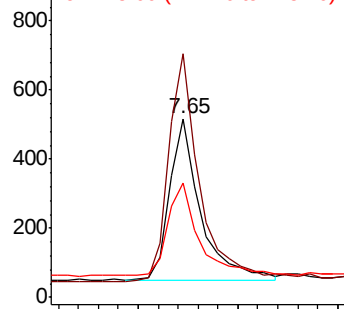
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tgt Ion:152 Resp: 1005
Ion Ratio Lower Upper
152 100
150 136.1 114.5 171.7
115 64.1 57.1 85.7



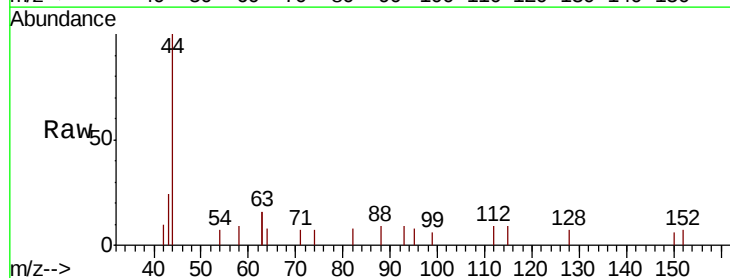
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



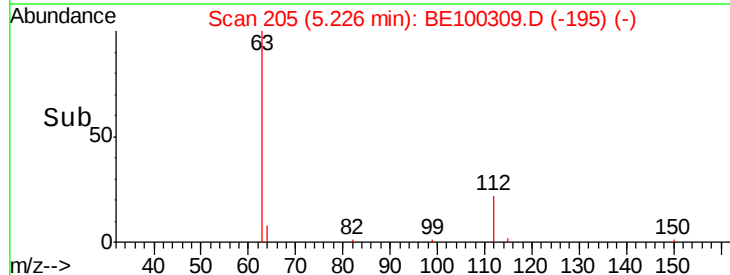
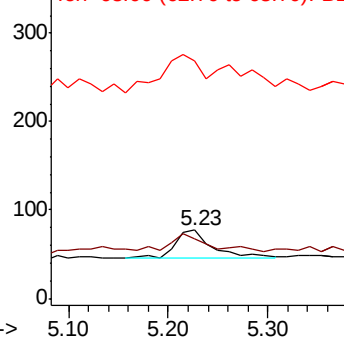
#4

2-Fluorophenol
Concen: 0.034 ng
RT: 5.23 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion:112 Resp: 86
Ion Ratio Lower Upper
112 100
64 59.3 39.4 59.0#
63 139.5 104.5 156.7



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: 0.027 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW110-061719DL

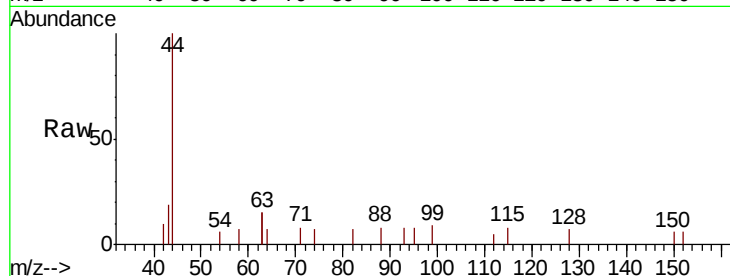
Tgt Ion: 99 Resp: 92

Ion Ratio Lower Upper

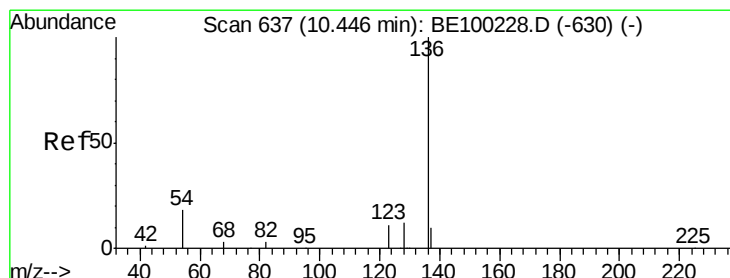
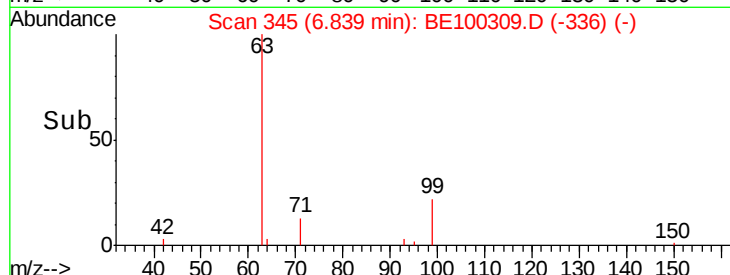
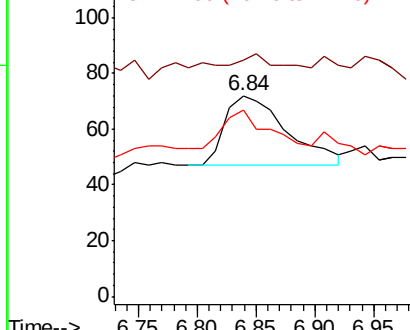
99 100

42 15.2 11.2 16.8

71 38.0 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: BE100309.D

Acq: 2 Jul 2019 19:15

Tgt Ion: 136 Resp: 3672

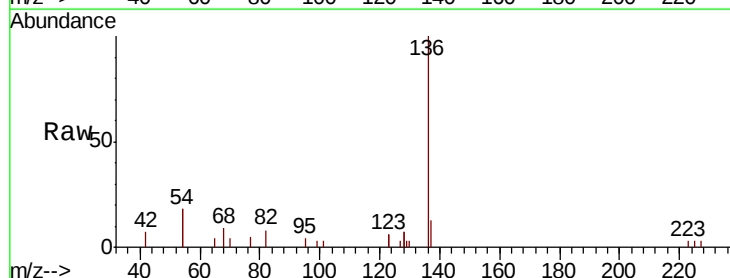
Ion Ratio Lower Upper

136 100

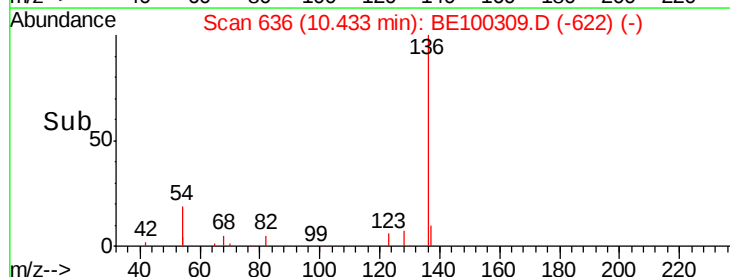
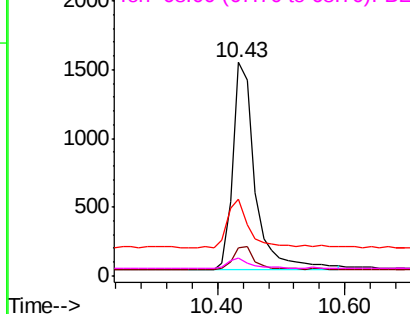
137 13.2 11.8 17.8

54 36.1 27.7 41.5

68 8.6 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: 0.029 ng

RT: 8.82 min Scan# 512

Delta R.T. 0.00 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW110-061719DL

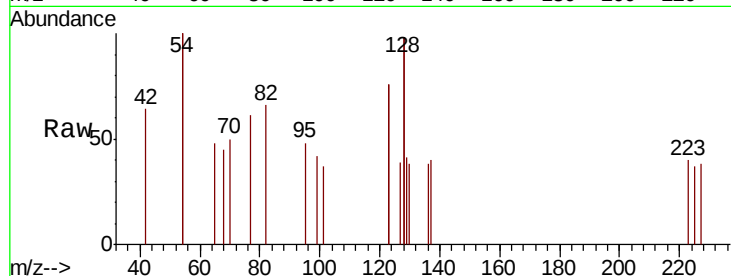
Tgt Ion: 82 Resp: 104

Ion Ratio Lower Upper

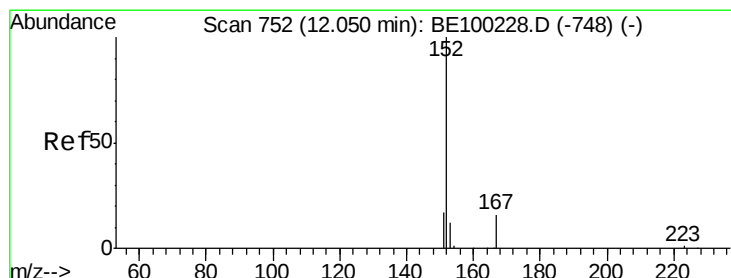
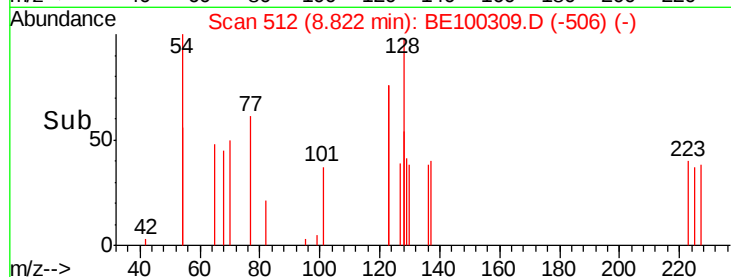
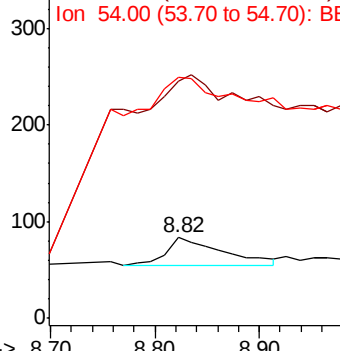
82 100

128 296.4 140.9 211.3#

54 301.2 146.2 219.2#



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: 0.058 ng

RT: 12.05 min Scan# 752

Delta R.T. 0.00 min

Lab File: BE100309.D

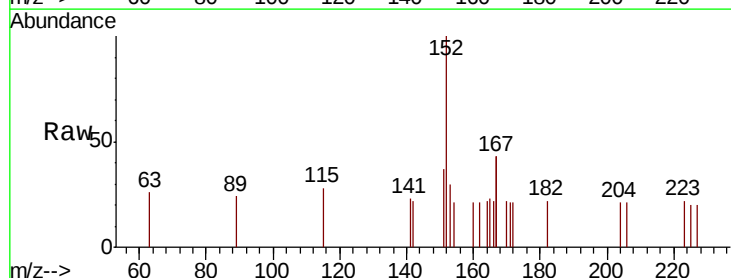
Acq: 2 Jul 2019 19:15

Tgt Ion: 152 Resp: 403

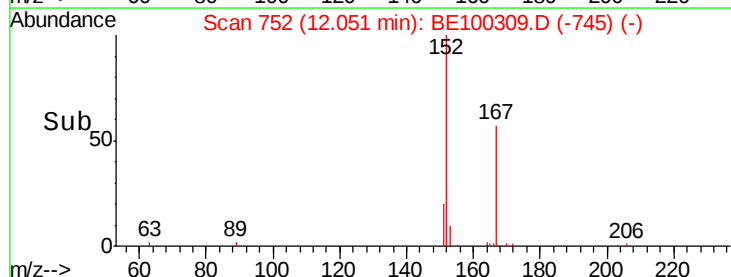
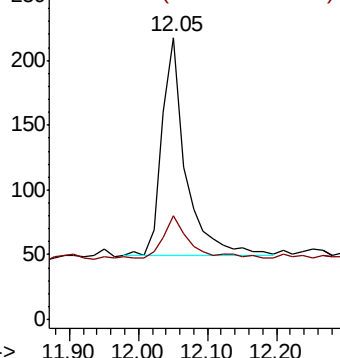
Ion Ratio Lower Upper

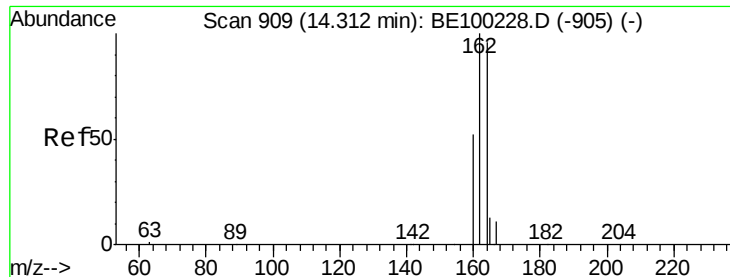
152 100

151 21.1 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: BE100309.D

Acq: 2 Jul 2019 19:15

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW110-061719DL

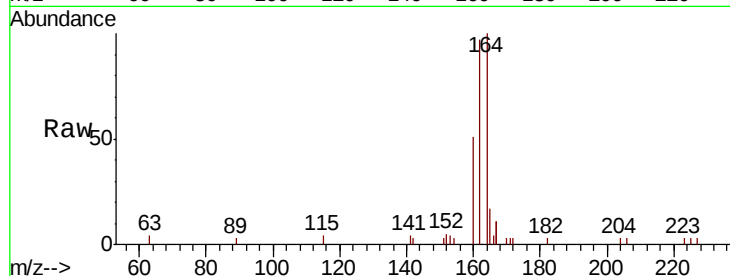
Tgt Ion:164 Resp: 2946

Ion Ratio Lower Upper

164 100

162 97.2 83.4 125.0

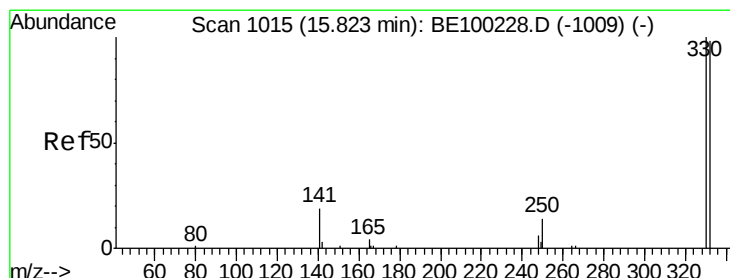
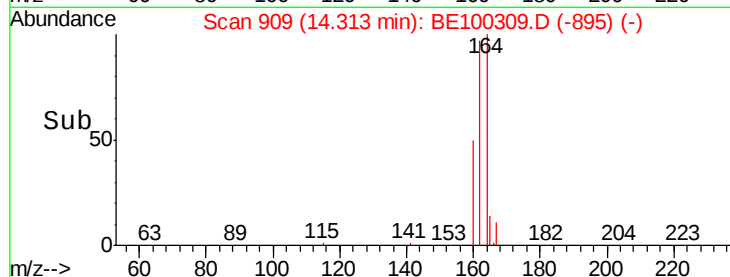
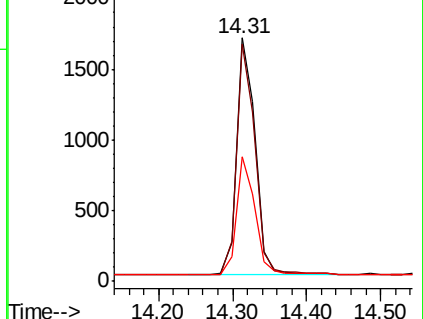
160 51.2 45.0 67.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.032 ng

RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

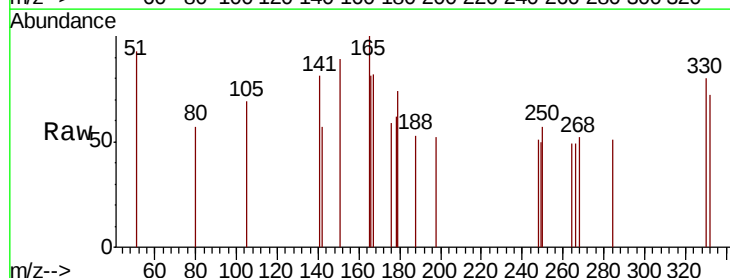
Tgt Ion:330 Resp: 65

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.4

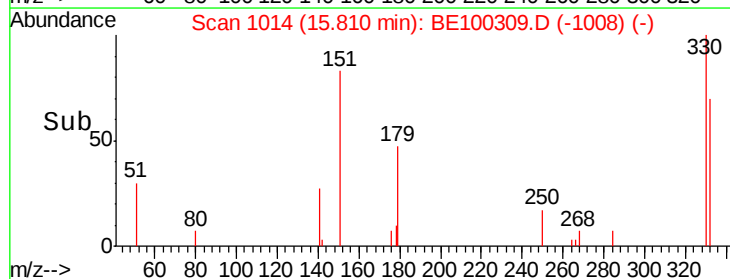
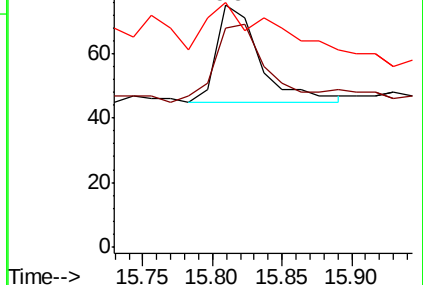
141 126.2 22.0 33.0#

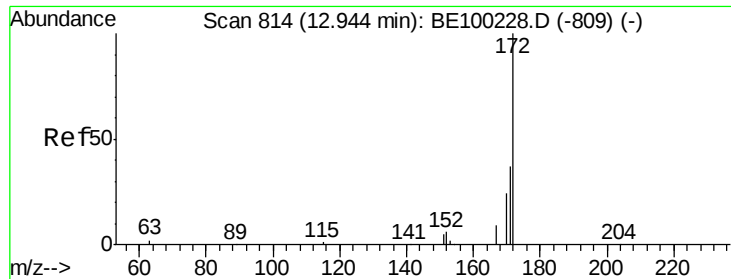


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

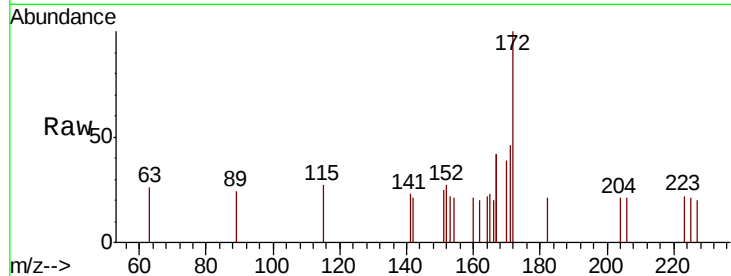




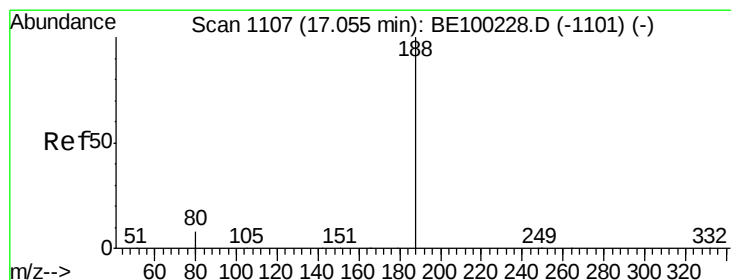
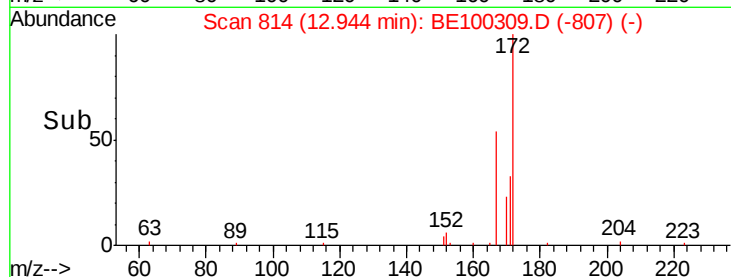
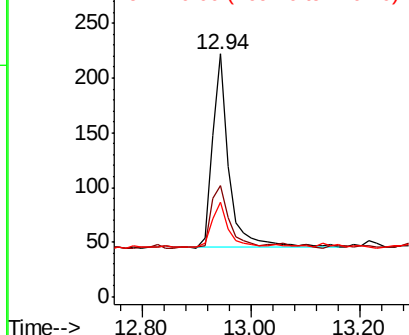
#15
2-Fluorobiphenyl
Concen: 0.032 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tgt Ion:172 Resp: 367
Ion Ratio Lower Upper
172 100
171 45.9 31.9 47.9
170 39.2 22.2 33.2#

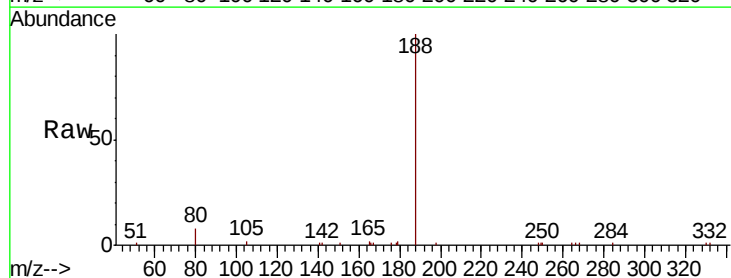


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

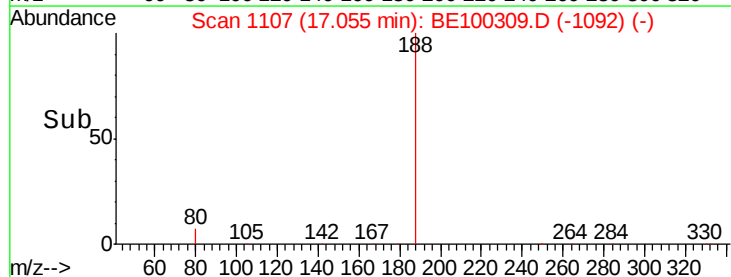
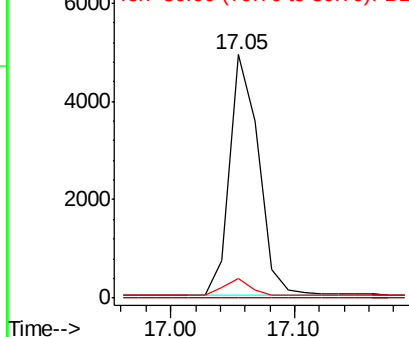


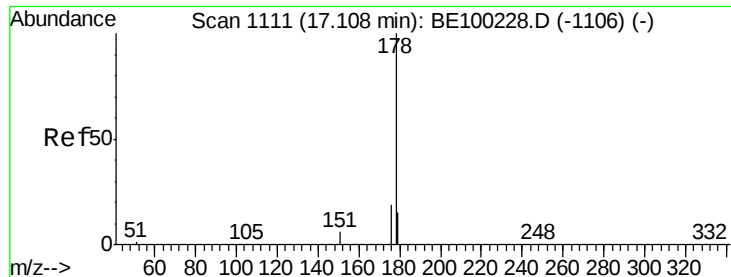
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion:188 Resp: 7986
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.2 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: 2.057 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW110-061719DL

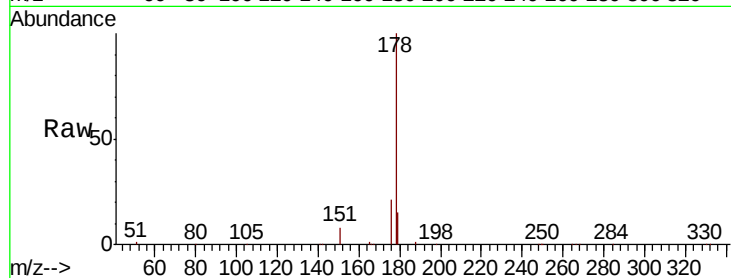
Tgt Ion:178 Resp: 39810

Ion Ratio Lower Upper

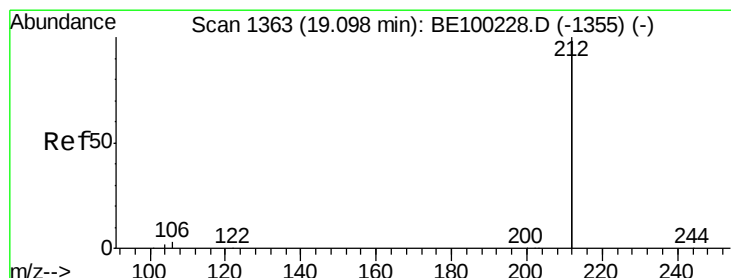
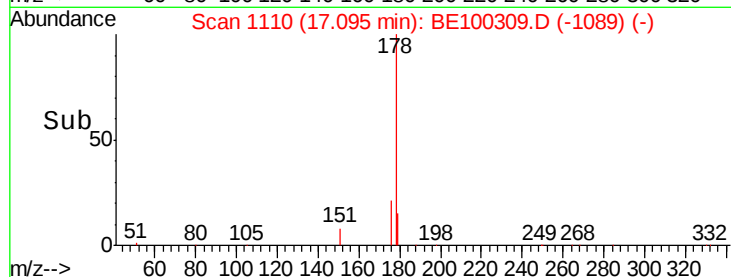
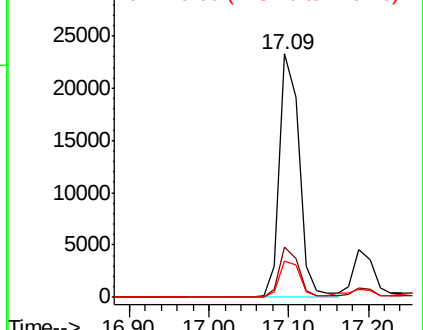
178 100

176 19.9 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: 0.056 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

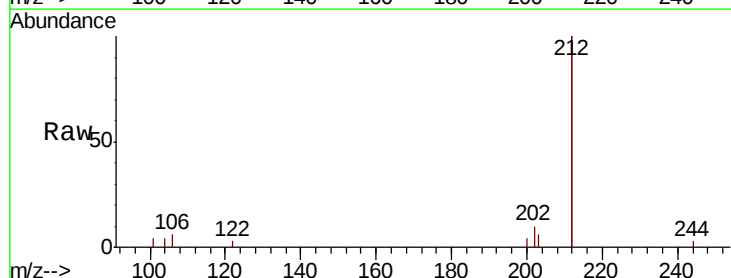
Tgt Ion:212 Resp: 6453

Ion Ratio Lower Upper

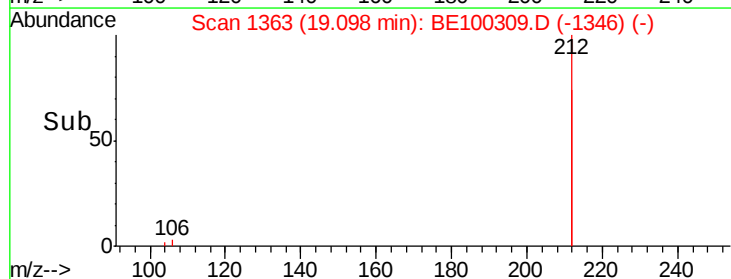
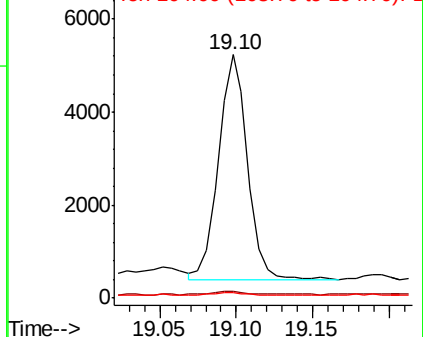
212 100

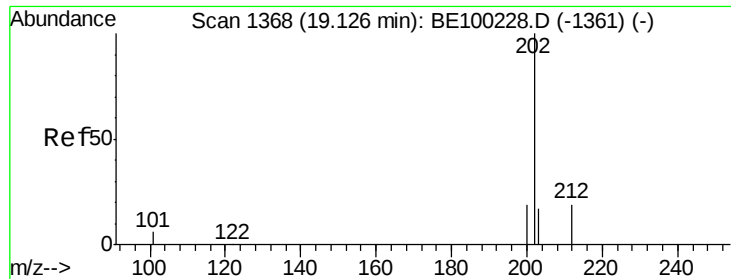
106 2.0 1.3 1.9#

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

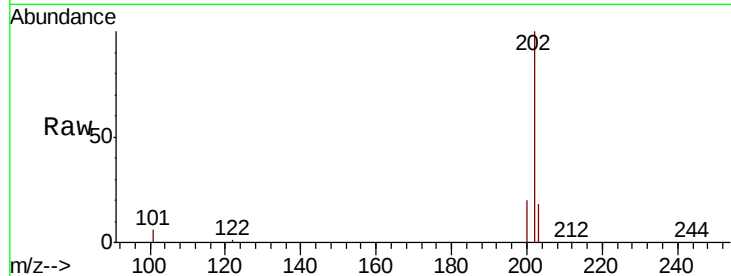




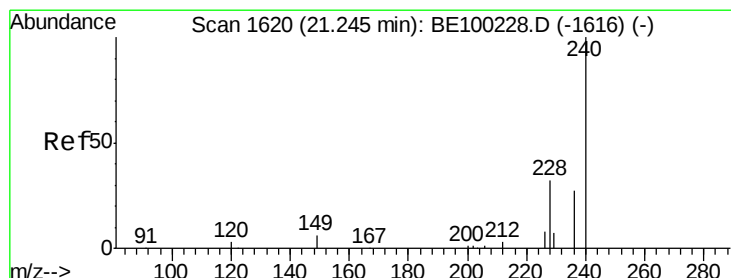
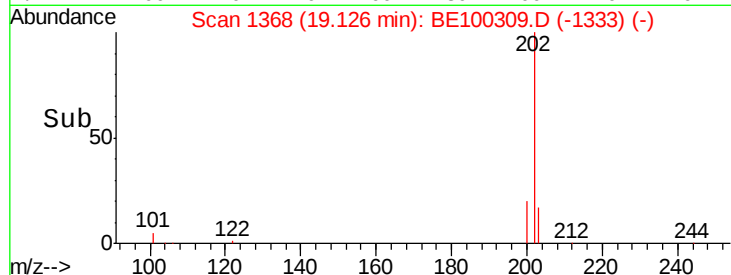
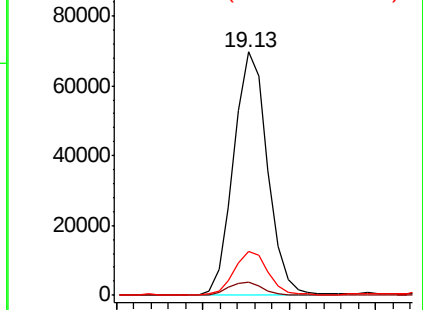
#26
Fluoranthene
Concen: 3.081 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719DL

Tgt Ion: 202 Resp: 94985
Ion Ratio Lower Upper
202 100
101 5.5 4.6 7.0
203 17.6 13.7 20.5

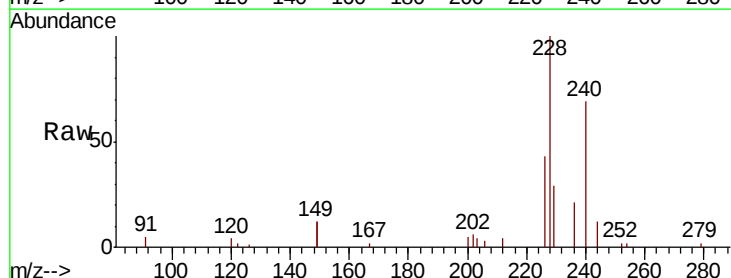


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

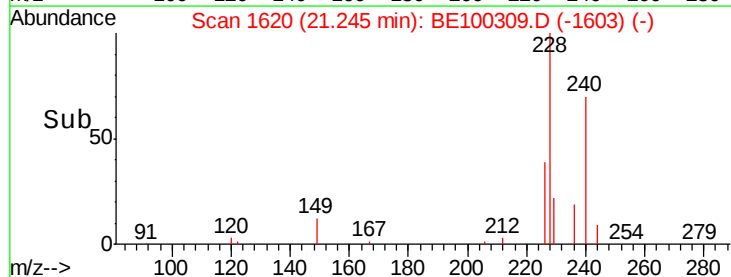
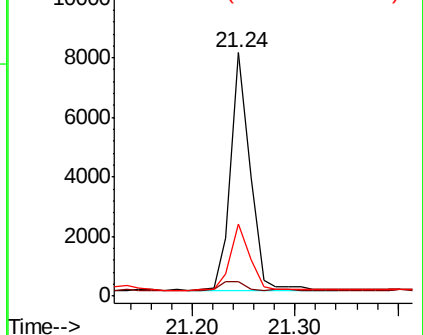


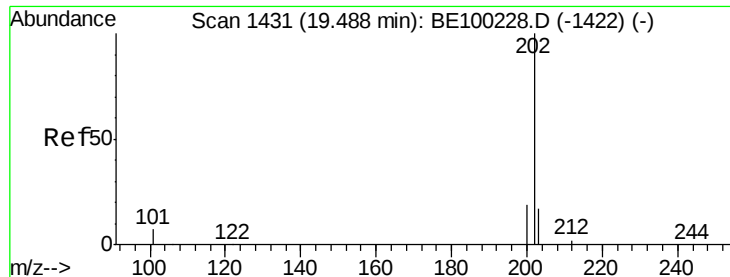
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100309.D
Acq: 2 Jul 2019 19:15

Tgt Ion: 240 Resp: 10366
Ion Ratio Lower Upper
240 100
120 5.9 3.3 4.9#
236 29.6 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

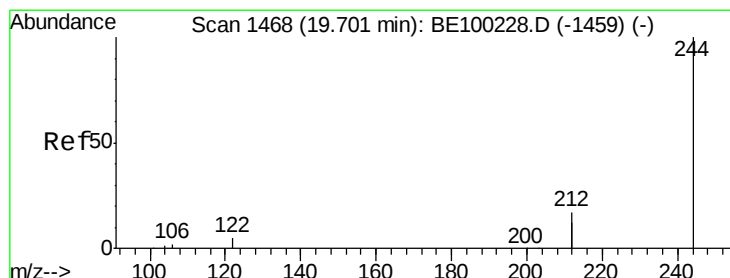
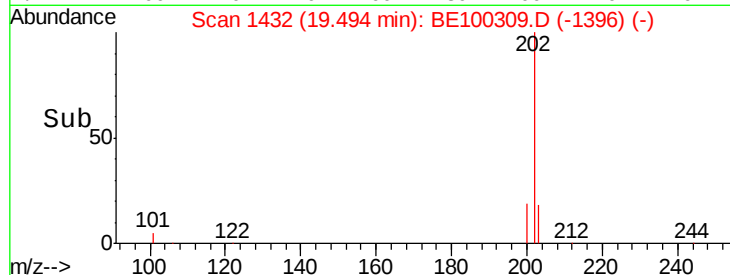
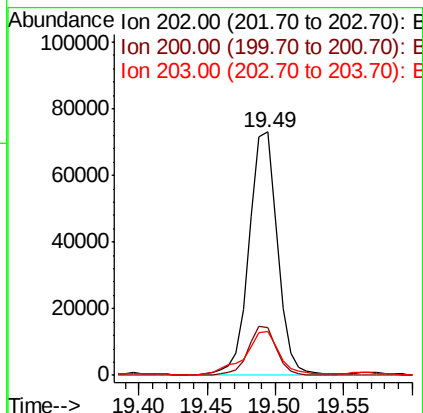
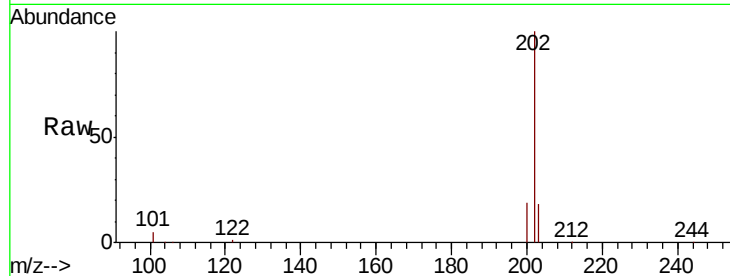




#28
 Pyrene
 Concen: 3.759 ng
 RT: 19.49 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: BE100309.D
 Acq: 2 Jul 2019 19:15

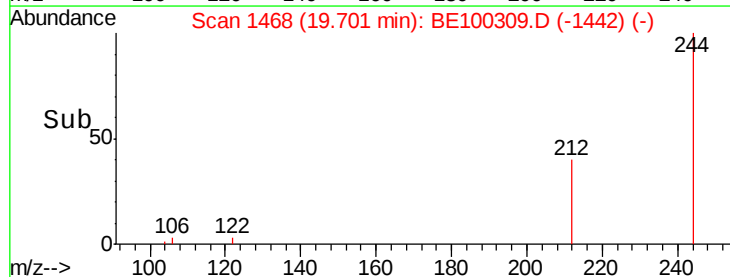
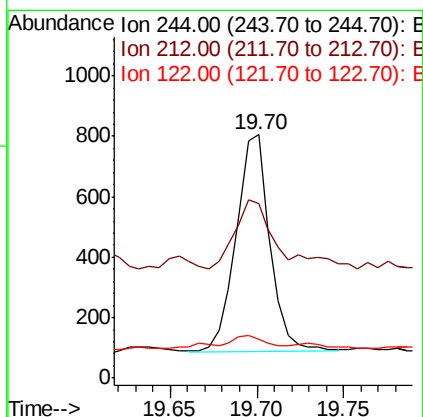
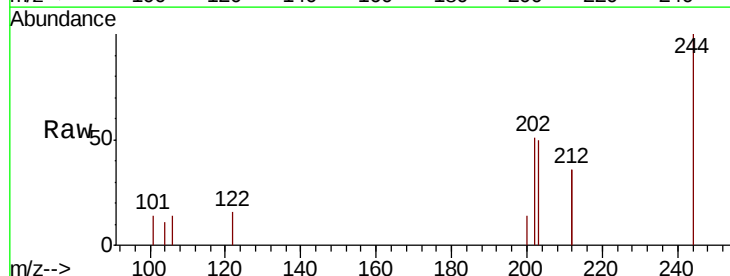
Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW110-061719DL

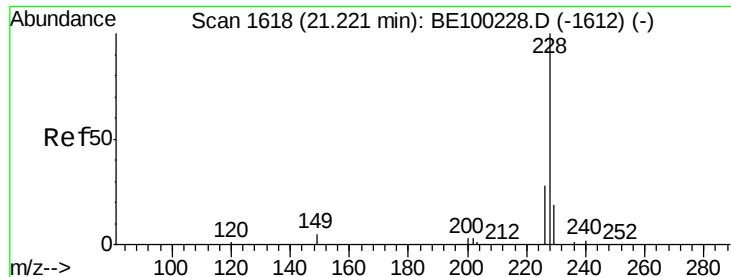
Tgt Ion: 202 Resp: 103168
 Ion Ratio Lower Upper
 202 100
 200 19.9 15.6 23.4
 203 21.6 14.0 21.0#



#29
 Terphenyl-d14
 Concen: 0.046 ng
 RT: 19.70 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BE100309.D
 Acq: 2 Jul 2019 19:15

Tgt Ion: 244 Resp: 979
 Ion Ratio Lower Upper
 244 100
 212 71.5 27.3 40.9#
 122 15.9 4.7 7.1#





#30

Benzo(a)anthracene

Concen: 2.150 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW110-061719DL

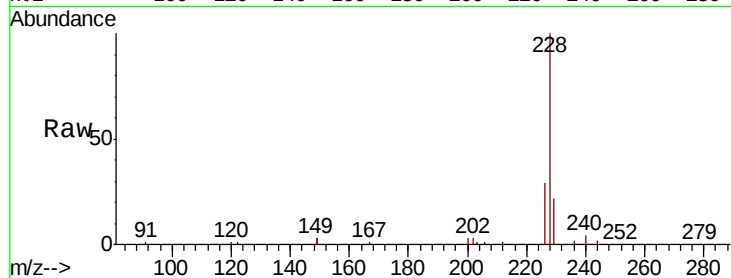
Tgt Ion:228 Resp: 73265

Ion Ratio Lower Upper

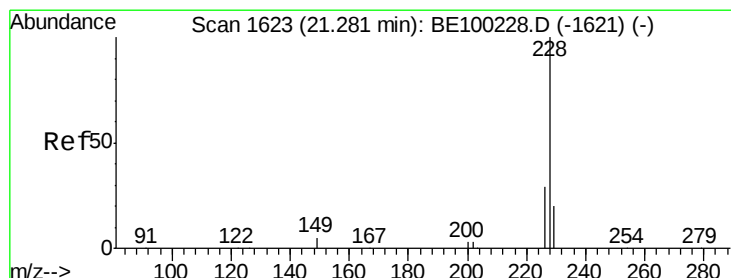
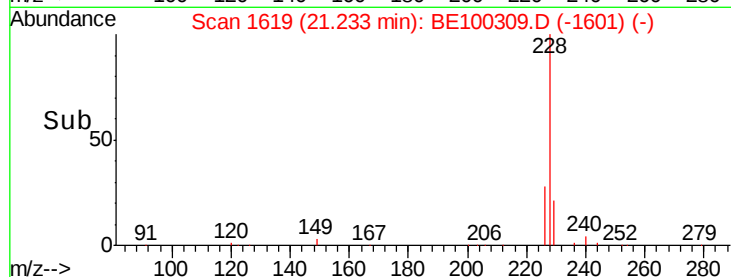
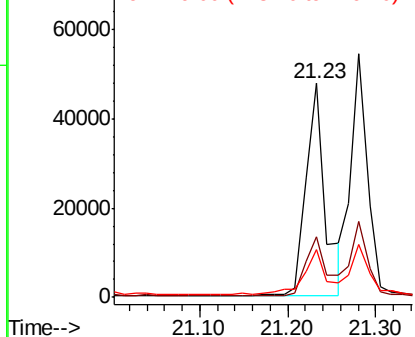
228 100

226 28.5 23.2 34.8

229 22.1 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: 2.054 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

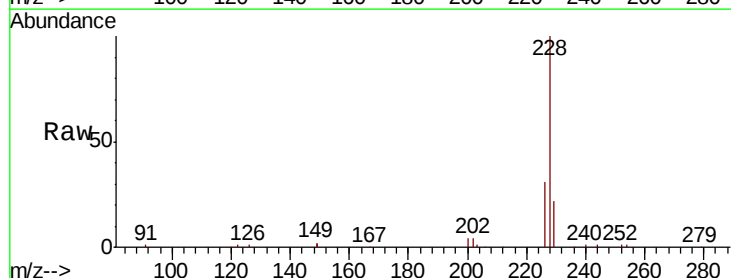
Tgt Ion:228 Resp: 70288

Ion Ratio Lower Upper

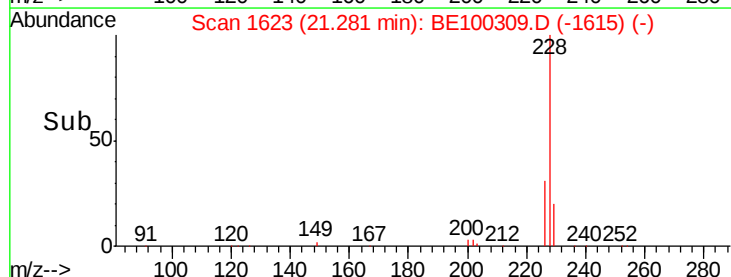
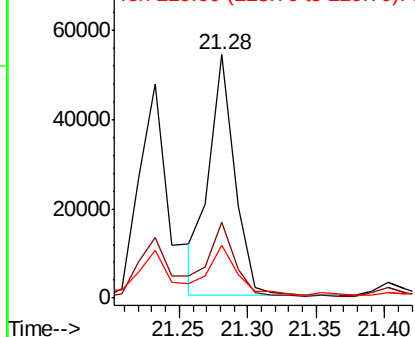
228 100

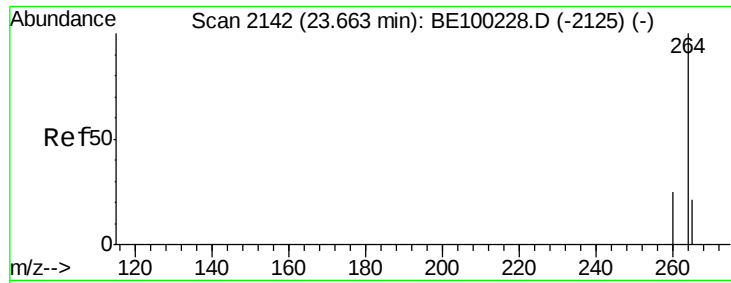
226 31.0 23.9 35.9

229 22.0 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

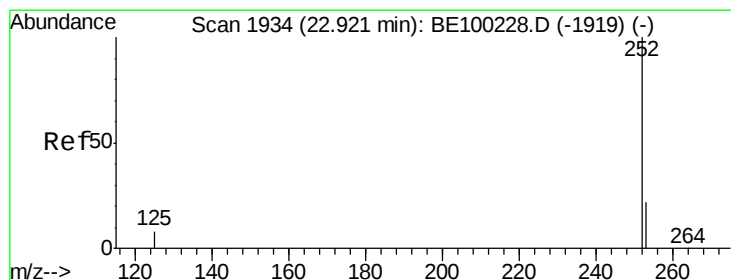
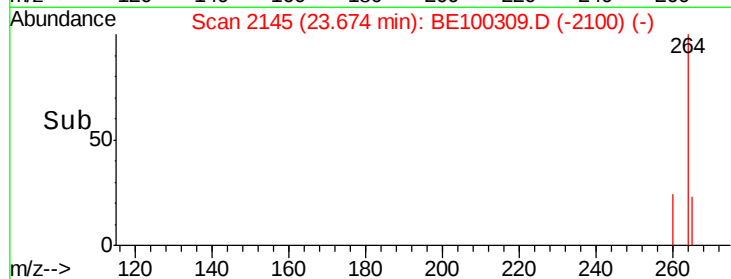
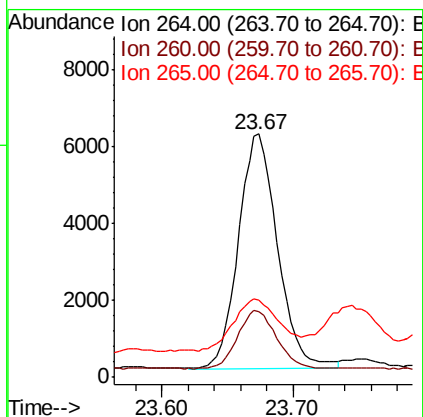
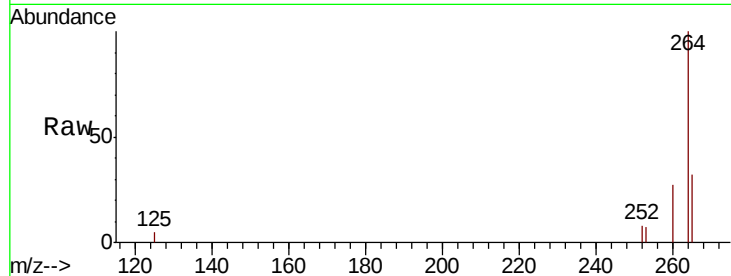




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2145
 Delta R.T. 0.01 min
 Lab File: BE100309.D
 Acq: 2 Jul 2019 19:15

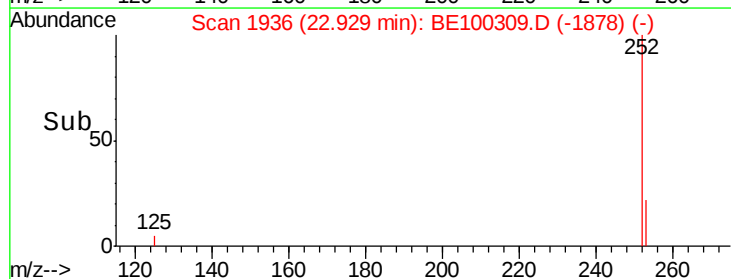
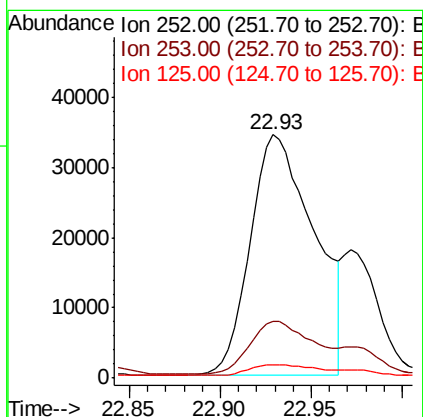
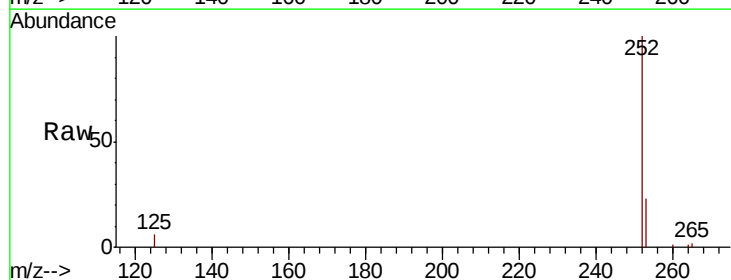
Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW110-061719DL

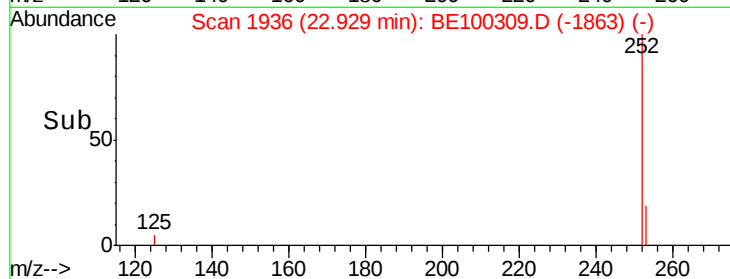
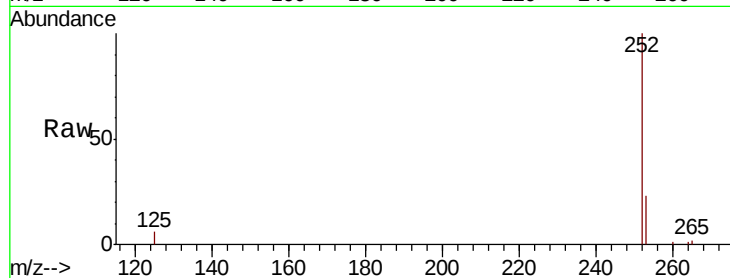
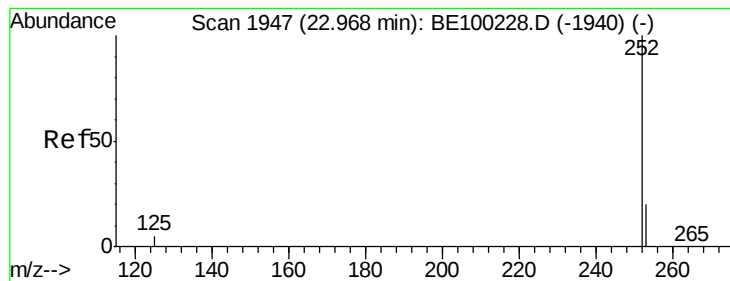
Tgt Ion: 264 Resp: 12700
 Ion Ratio Lower Upper
 264 100
 260 26.9 20.8 31.2
 265 31.7 21.8 32.6



#35
 Benzo(b)fluoranthene
 Concen: 2.439 ng
 RT: 22.93 min Scan# 1936
 Delta R.T. 0.01 min
 Lab File: BE100309.D
 Acq: 2 Jul 2019 19:15

Tgt Ion: 252 Resp: 83993
 Ion Ratio Lower Upper
 252 100
 253 23.2 19.2 28.8
 125 5.6 7.4 11.0#





#36

Benzo(k)fluoranthene

Concen: 2.185 ng

RT: 22.93 min Scan# 1936

Delta R.T. -0.04 min

Lab File: BE100309.D

Acq: 2 Jul 2019 19:15

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW110-061719DL

Tgt Ion: 252 Resp: 83993

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 5.6 5.0 7.4

