

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070119\
 Data File : BE100286.D
 Acq On : 2 Jul 2019 4:46
 Operator : JU/SJ
 Sample : K3446-13 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Jul 02 07:00:15 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	1048	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3612	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2676	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7288	0.40	ng	0.00
27) Chrysene-d12	21.25	240	9504	0.40	ng	0.00
34) Perylene-d12	23.68	264	10712	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	361	0.14	ng	0.01
5) Phenol-d6	6.83	99	507	0.14	ng	-0.01
8) Nitrobenzene-d5	8.81	82	511	0.14	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1095	0.16	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	284	0.15	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1309	0.13	ng	-0.01
25) Fluoranthene-d10	19.10	212	14923	0.14	ng	0.00
29) Terphenyl-d14	19.70	244	2738	0.14	ng	0.00

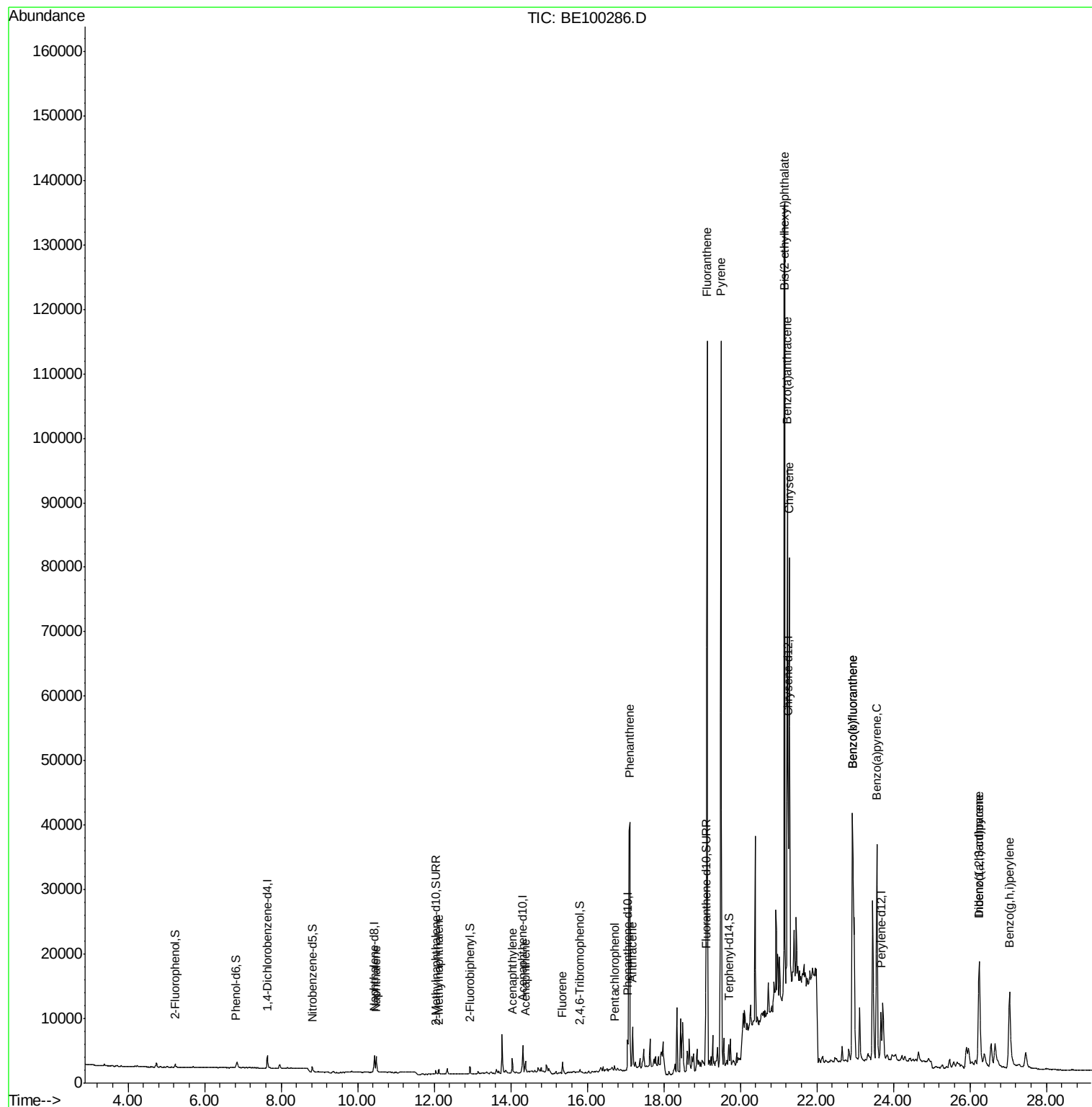
Target Compounds				Qvalue		
9) Naphthalene	10.48	128	4023	0.101	ng	# 97
12) 2-Methylnaphthalene	12.12	142	614	0.088	ng	97
16) Acenaphthylene	14.04	152	2956	0.230	ng	98
17) Acenaphthene	14.38	154	907	0.125	ng	95
18) Fluorene	15.35	166	1473	0.137	ng	# 89
22) Pentachlorophenol	16.72	266	38	0.026	ng	# 76
23) Phenanthrene	17.11	178	48381	2.739	ng	99
24) Anthracene	17.19	178	8116	0.510	ng	97
26) Fluoranthene	19.13	202	105266	3.741	ng	99
28) Pyrene	19.49	202	104938	4.170	ng	# 96
30) Benzo(a)anthracene	21.23	228	66834	2.139	ng	98
31) Chrysene	21.28	228	60125	1.916	ng	95
32) Bis(2-ethylhexyl)phthalate	21.15	149	177872	3.970	ng	99
33) Indeno(1,2,3-cd)pyrene	26.24	276	34705	0.836	ng	# 96
35) Benzo(b)fluoranthene	22.93	252	76654	2.639	ng	# 97
36) Benzo(k)fluoranthene	22.93	252	76654	2.365	ng	96
37) Benzo(a)pyrene	23.57	252	53311	1.832	ng	# 96
38) Dibenzo(a,h)anthracene	26.25	278	8636	0.284	ng	# 73
39) Benzo(g,h,i)perylene	27.04	276	34070	1.091	ng	97

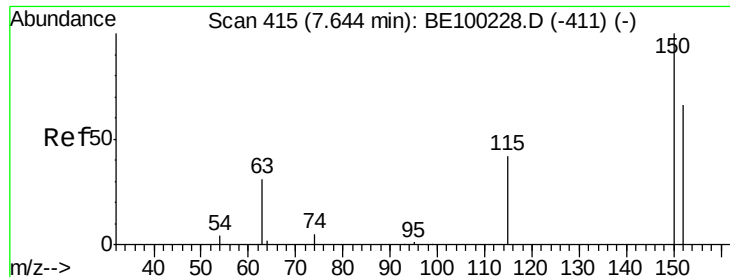
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 28 14:06:53 2019
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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: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

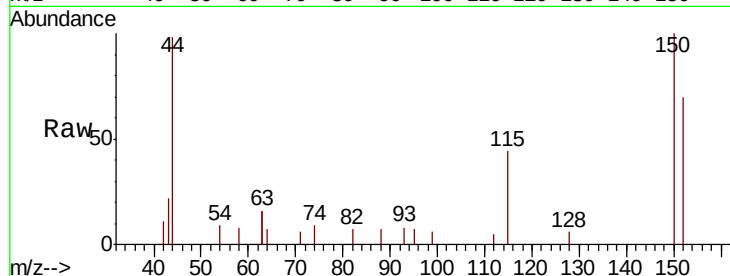
Tgt Ion:152 Resp: 1048

Ion Ratio Lower Upper

152 100

150 142.4 114.5 171.7

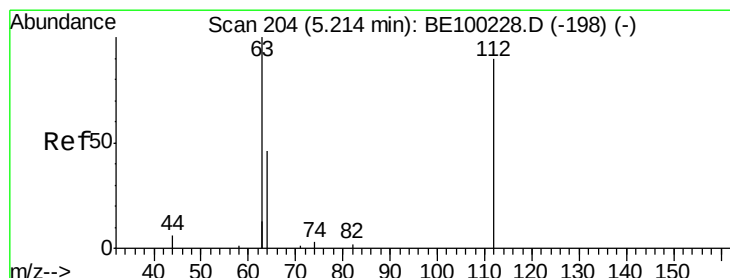
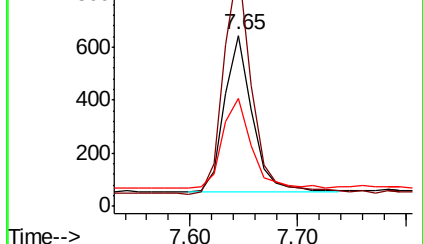
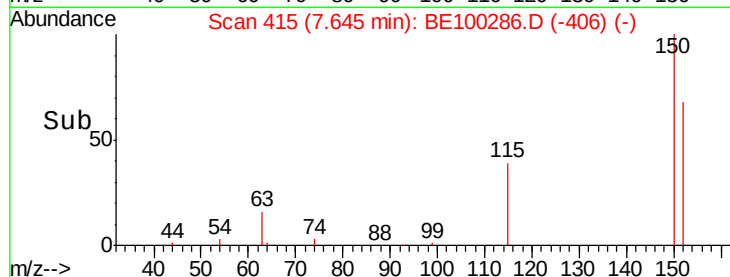
115 63.0 57.1 85.7



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: 0.135 ng

RT: 5.23 min Scan# 205

Delta R.T. 0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

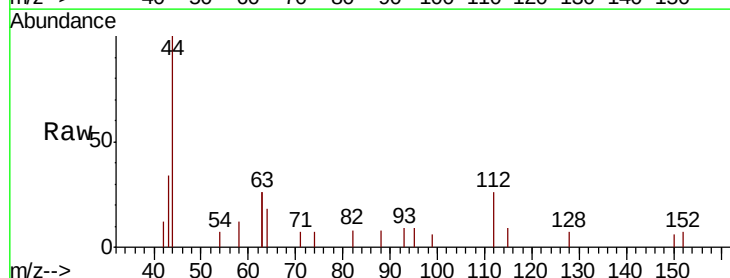
Tgt Ion:112 Resp: 361

Ion Ratio Lower Upper

112 100

64 66.5 39.4 59.0#

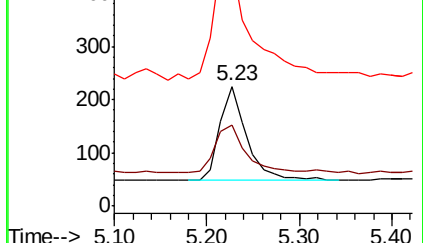
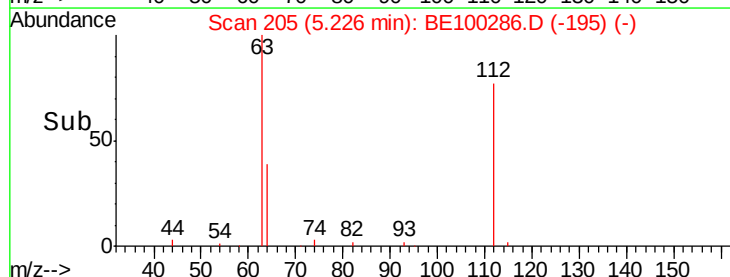
63 201.4 104.5 156.7#

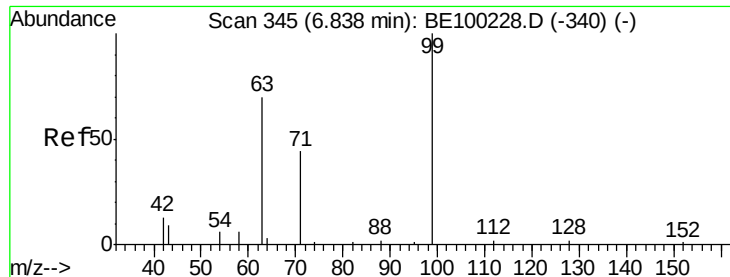


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.144 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

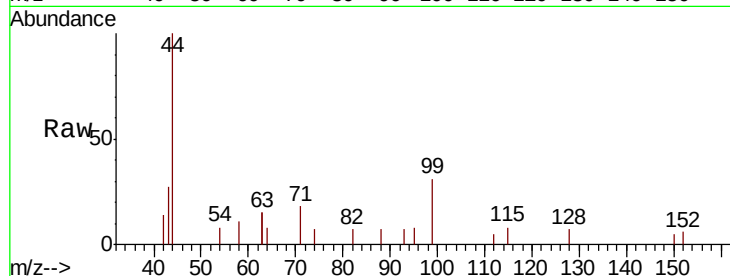
Tgt Ion: 99 Resp: 507

Ion Ratio Lower Upper

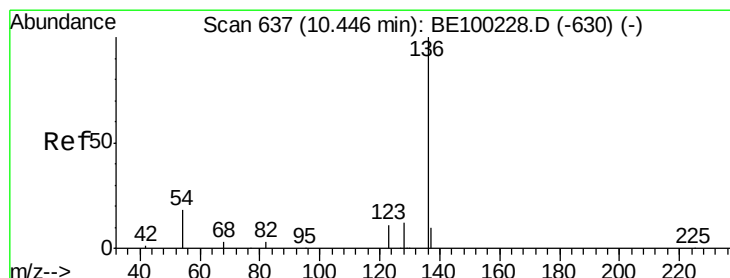
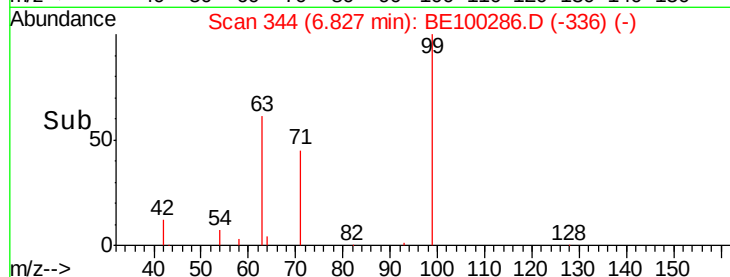
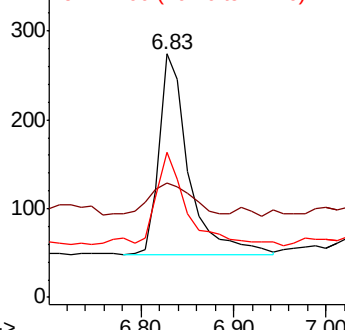
99 100

42 20.3 11.2 16.8#

71 49.1 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: BE100286.D

Acq: 2 Jul 2019 4:46

Tgt Ion: 136 Resp: 3612

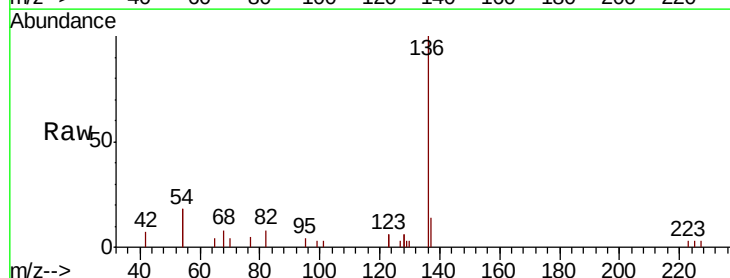
Ion Ratio Lower Upper

136 100

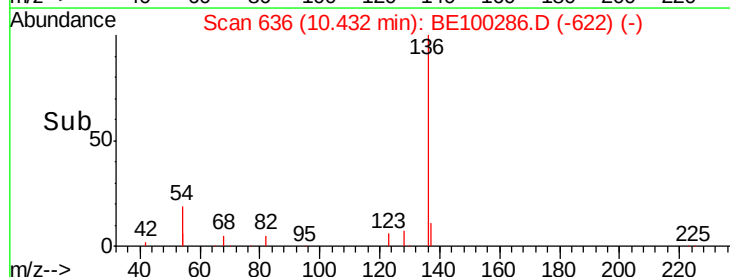
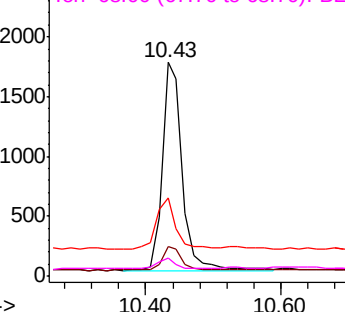
137 13.8 11.8 17.8

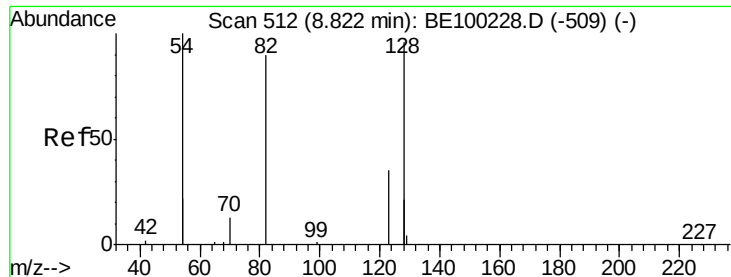
54 36.8 27.7 41.5

68 8.3 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: 0.142 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

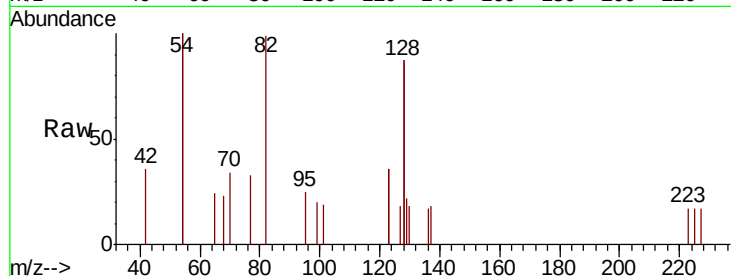
Tgt Ion: 82 Resp: 511

Ion Ratio Lower Upper

82 100

128 176.8 140.9 211.3

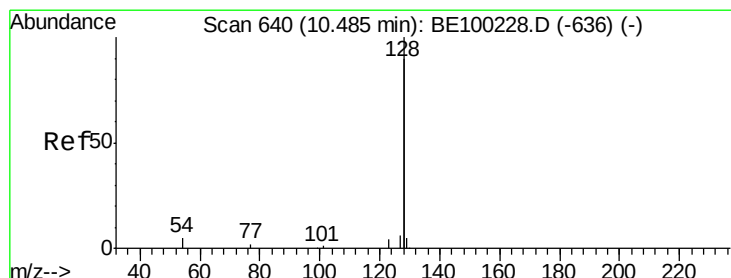
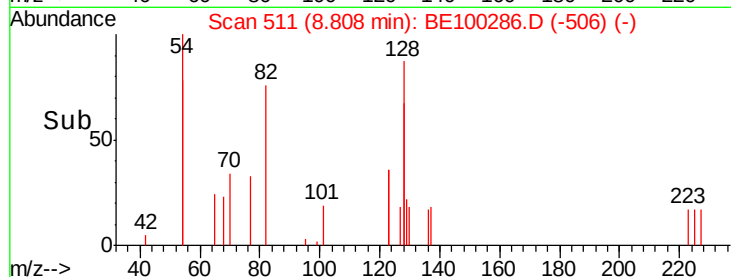
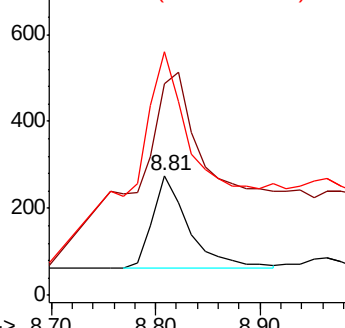
54 202.9 146.2 219.2



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



#9

Naphthalene

Concen: 0.101 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

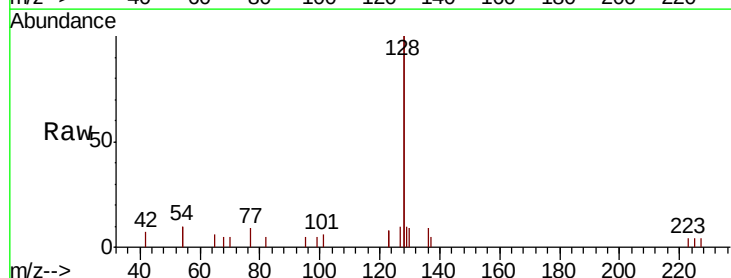
Tgt Ion: 128 Resp: 4023

Ion Ratio Lower Upper

128 100

129 4.9 3.0 4.6#

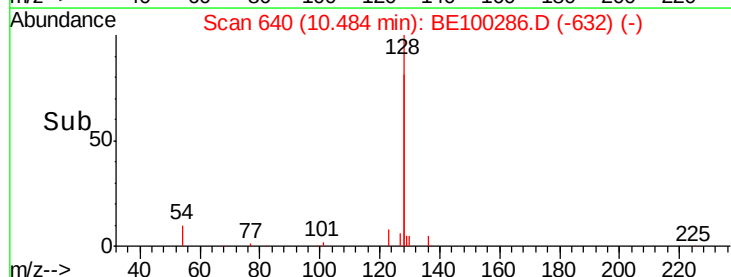
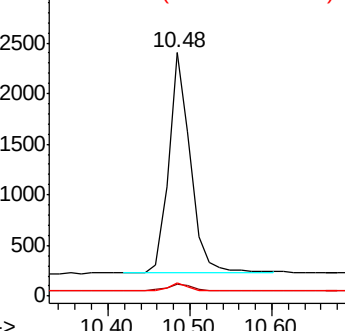
127 5.2 3.5 5.3

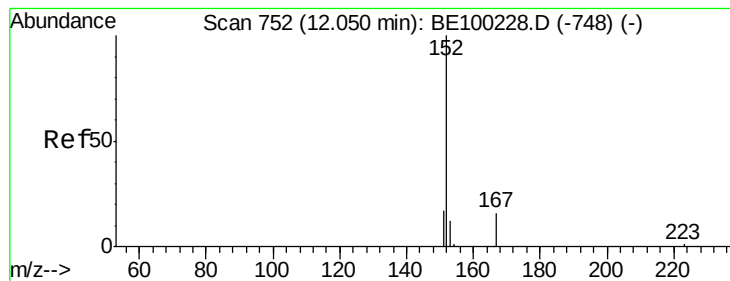


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.161 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

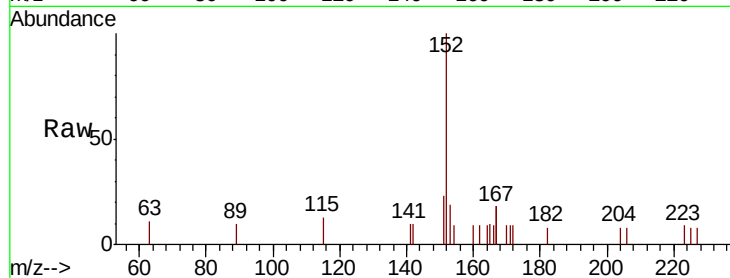
EXT-008-SW123-061819

Tgt Ion:152 Resp: 1095

Ion Ratio Lower Upper

152 100

151 19.6 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.04

600

500

400

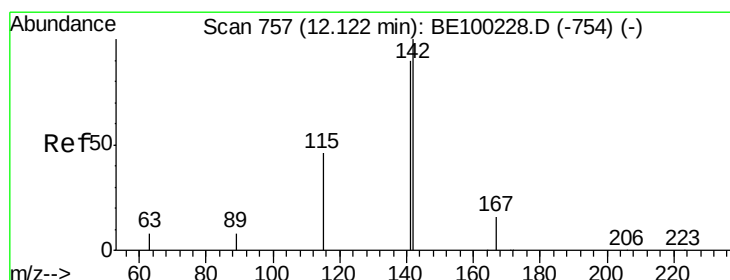
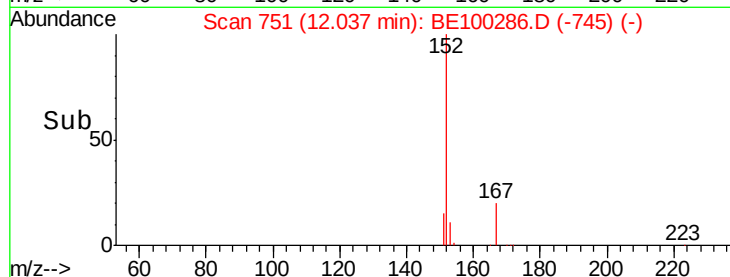
300

200

100

0

Time--> 11.90 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.088 ng

RT: 12.12 min Scan# 757

Delta R.T. 0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

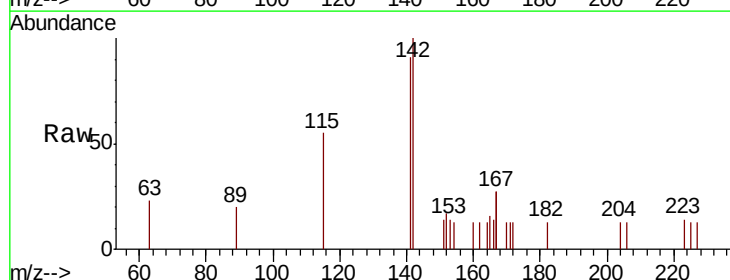
Tgt Ion:142 Resp: 614

Ion Ratio Lower Upper

142 100

141 90.9 72.4 108.6

115 54.8 40.4 60.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.12

500

400

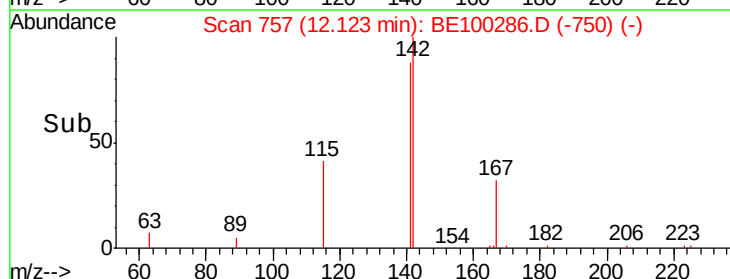
300

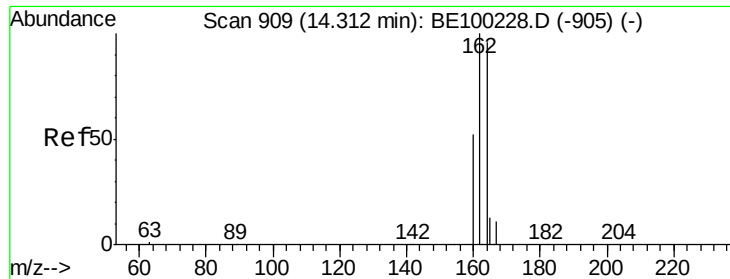
200

100

0

Time--> 12.10 12.20

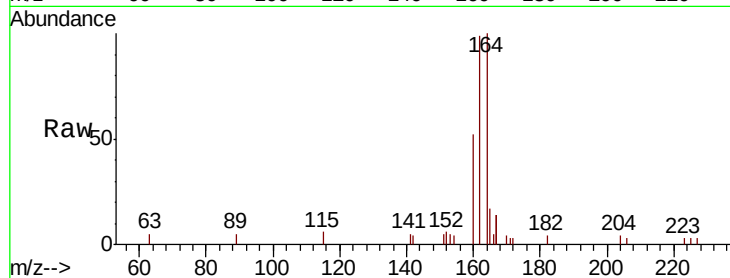




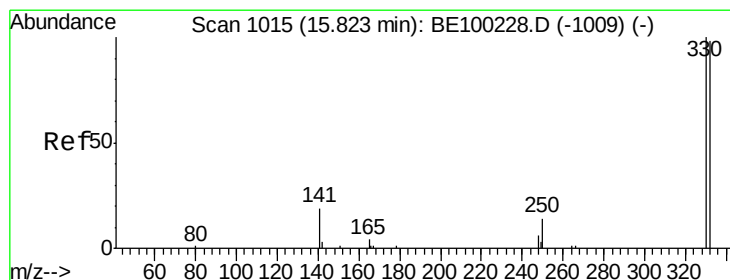
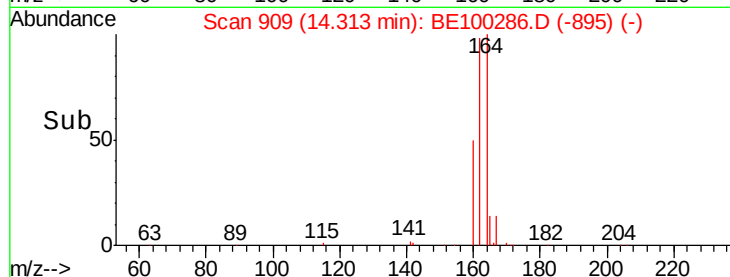
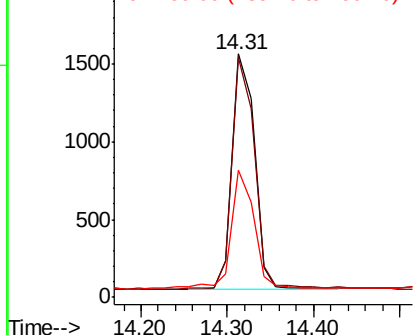
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

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

Tgt Ion:164 Resp: 2676
Ion Ratio Lower Upper
164 100
162 98.7 83.4 125.0
160 52.5 45.0 67.6

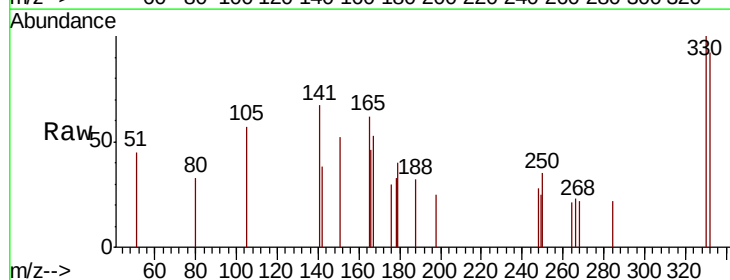


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

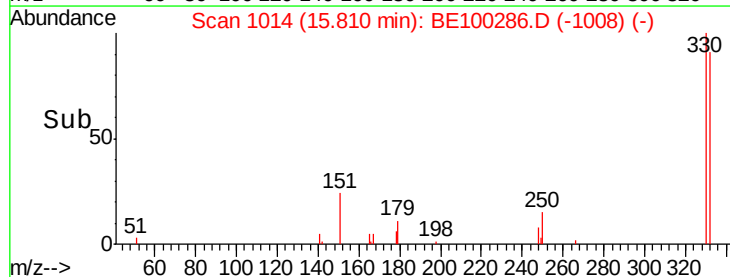
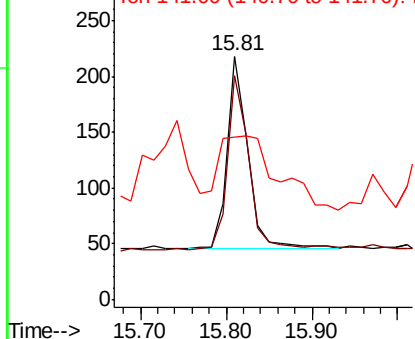


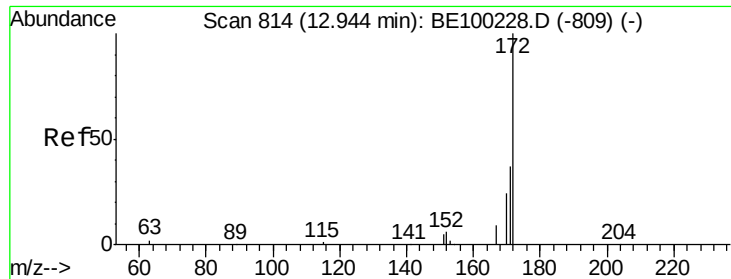
#14
2,4,6-Tribromophenol
Concen: 0.152 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

Tgt Ion:330 Resp: 284
Ion Ratio Lower Upper
330 100
332 93.0 77.0 115.4
141 112.3 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

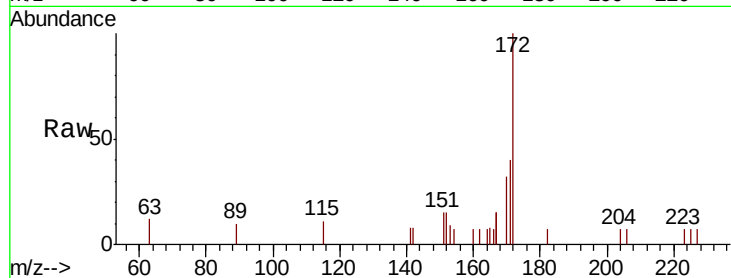




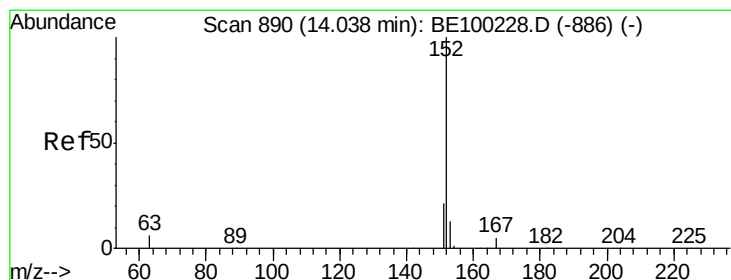
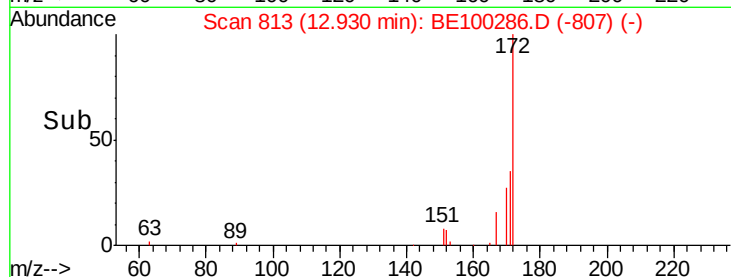
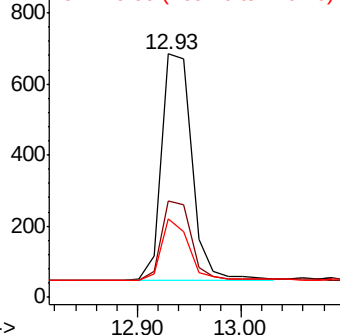
#15
2-Fluorobiphenyl
Concen: 0.126 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

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

Tgt Ion:172 Resp: 1309
Ion Ratio Lower Upper
172 100
171 39.7 31.9 47.9
170 32.1 22.2 33.2

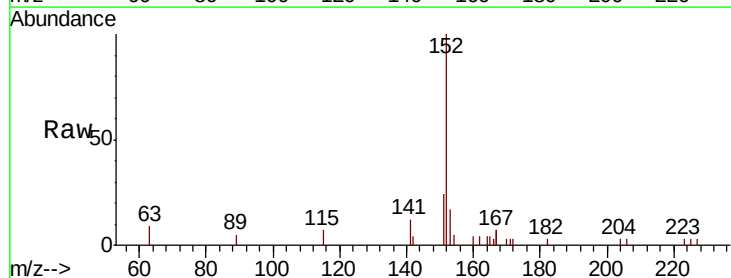


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

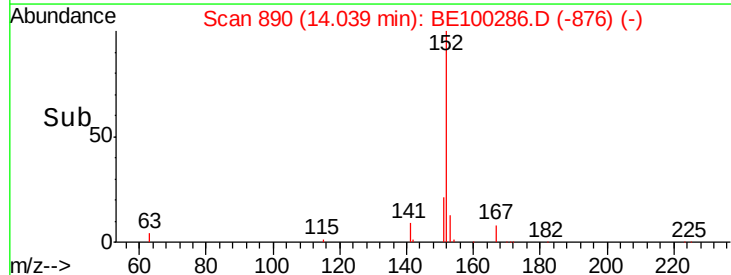
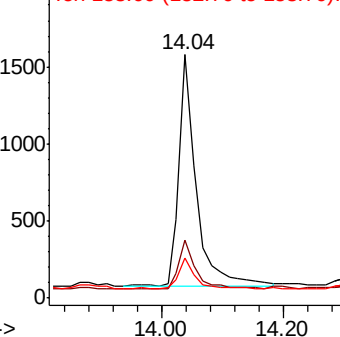


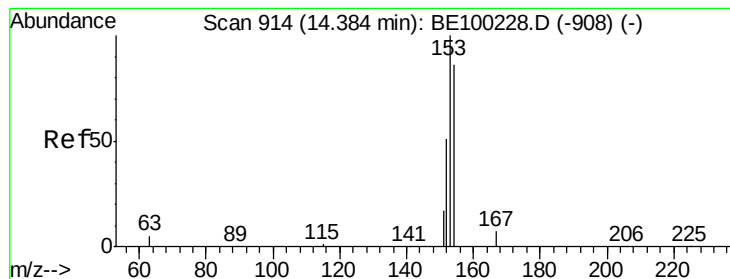
#16
Acenaphthylene
Concen: 0.230 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

Tgt Ion:152 Resp: 2956
Ion Ratio Lower Upper
152 100
151 21.8 16.6 25.0
153 13.8 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.125 ng

RT: 14.38 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

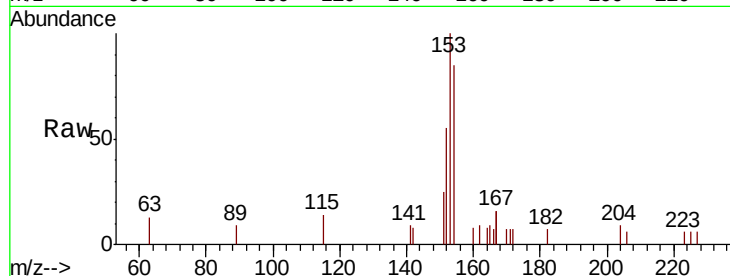
Tgt Ion:154 Resp: 907

Ion Ratio Lower Upper

154 100

153 122.7 93.4 140.2

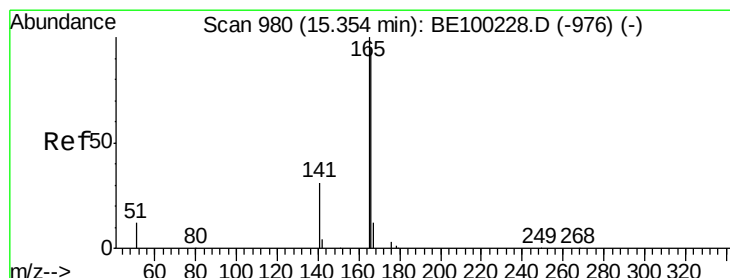
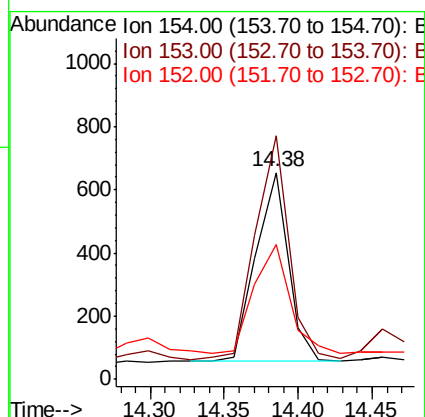
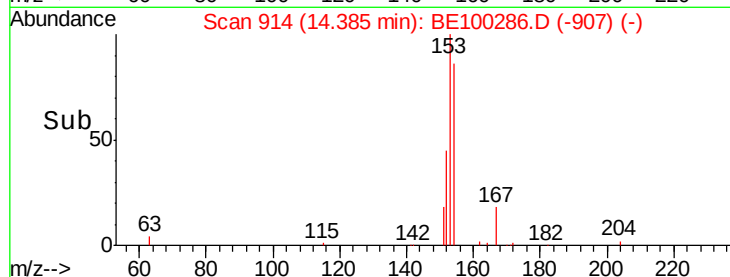
152 65.0 49.4 74.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.137 ng

RT: 15.35 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

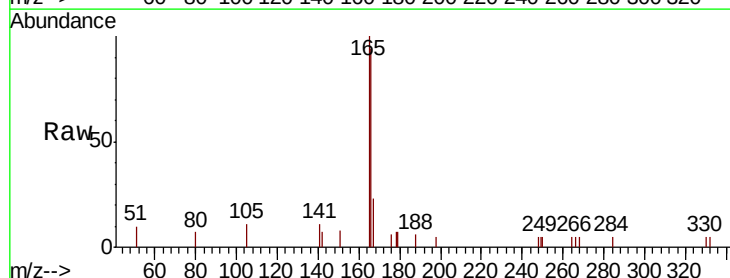
Tgt Ion:166 Resp: 1473

Ion Ratio Lower Upper

166 100

165 110.7 81.1 121.7

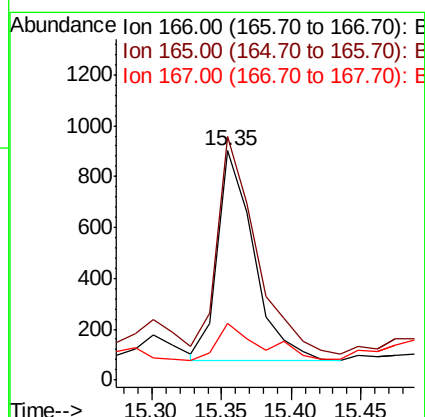
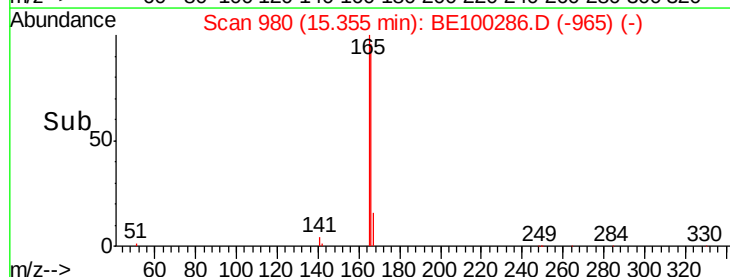
167 21.9 10.7 16.1#

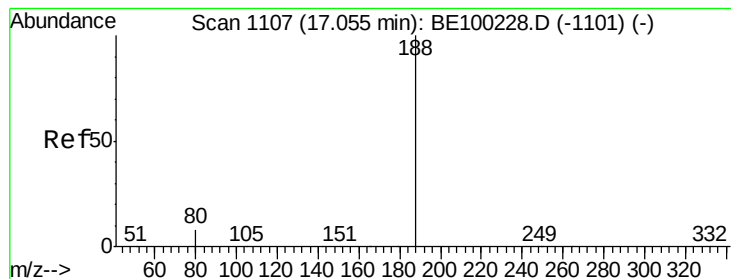


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

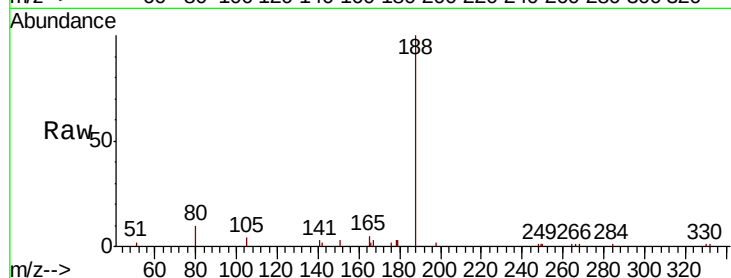
Tgt Ion:188 Resp: 7288

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

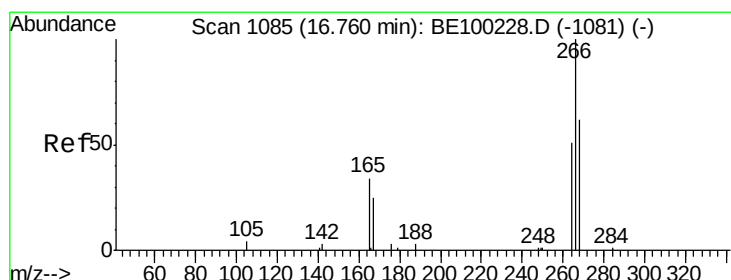
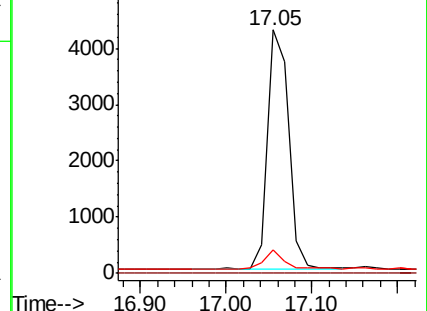
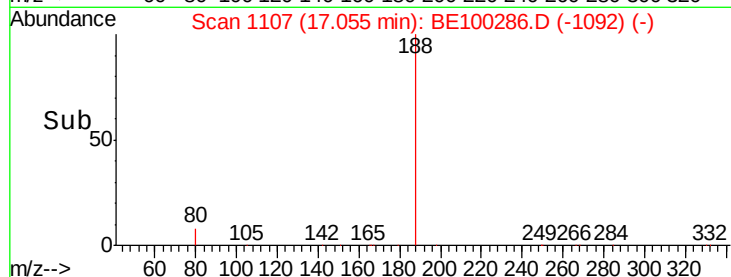
80 9.8 7.6 11.4



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



#22

Pentachlorophenol

Concen: 0.026 ng

RT: 16.72 min Scan# 1082

Delta R.T. -0.04 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

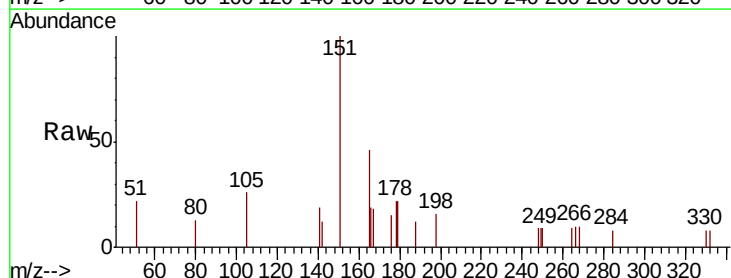
Tgt Ion:266 Resp: 38

Ion Ratio Lower Upper

266 100

264 93.4 56.2 84.2#

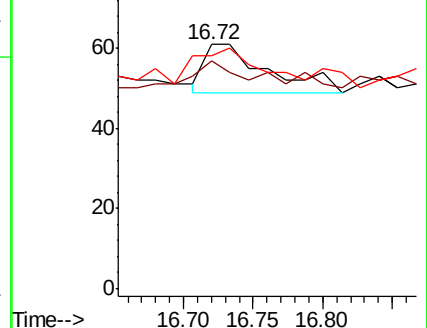
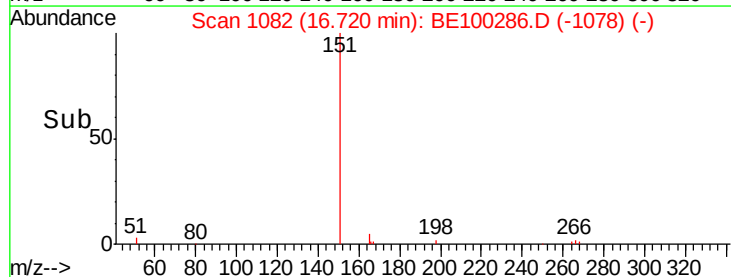
268 95.1 61.8 92.6#

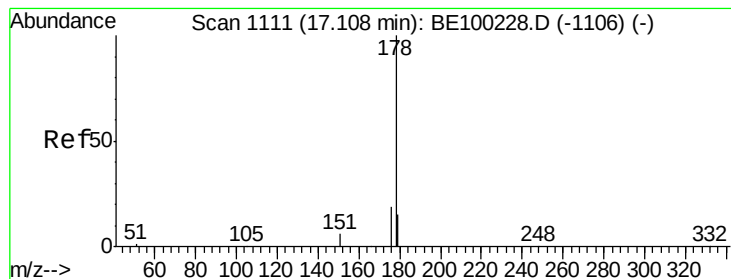


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 2.739 ng

RT: 17.11 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

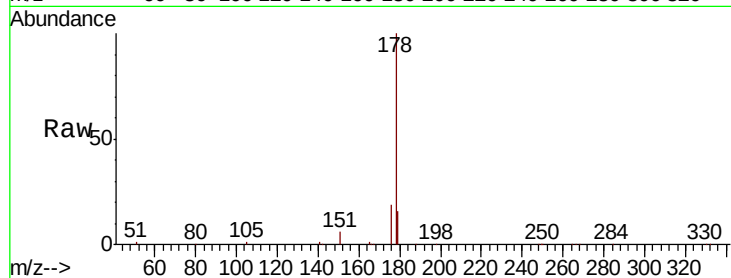
Tgt Ion:178 Resp: 48381

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

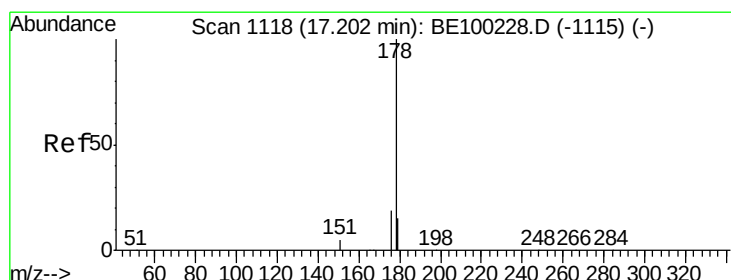
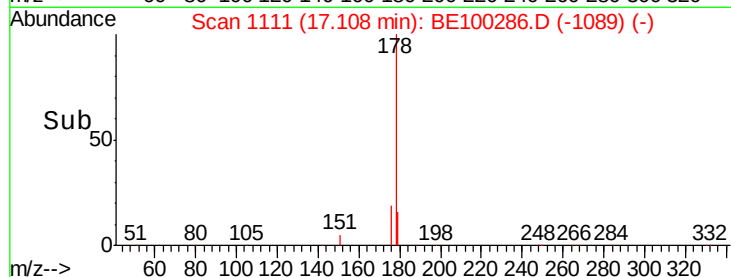
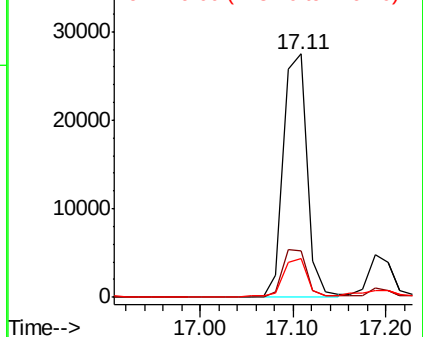
179 15.6 12.2 18.2



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



#24

Anthracene

Concen: 0.510 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

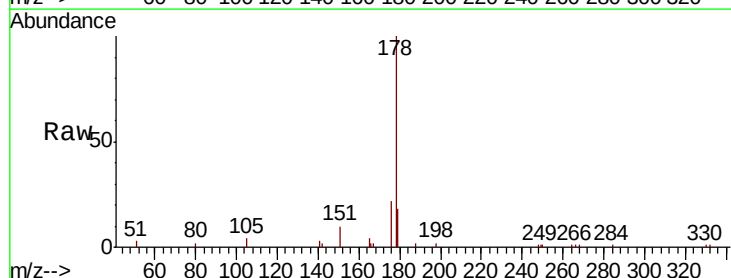
Tgt Ion:178 Resp: 8116

Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

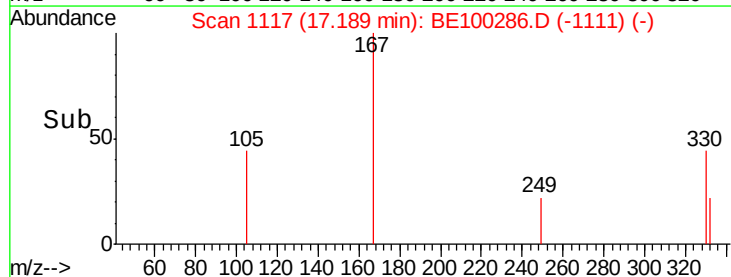
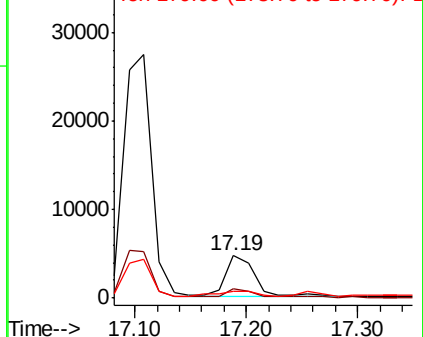
179 17.1 12.2 18.2

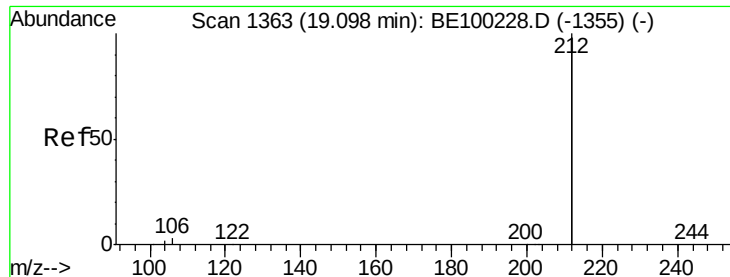


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

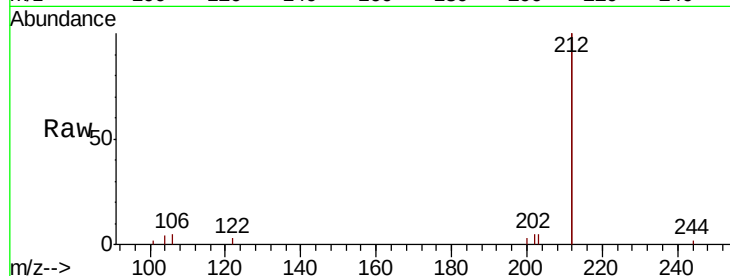




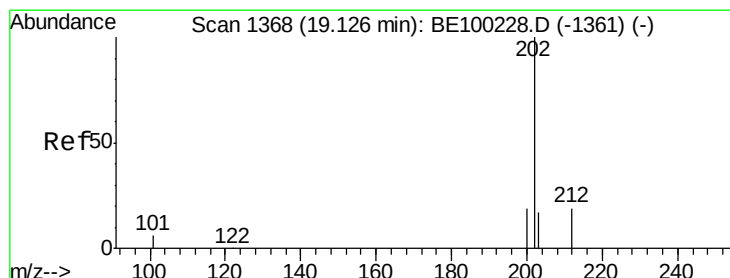
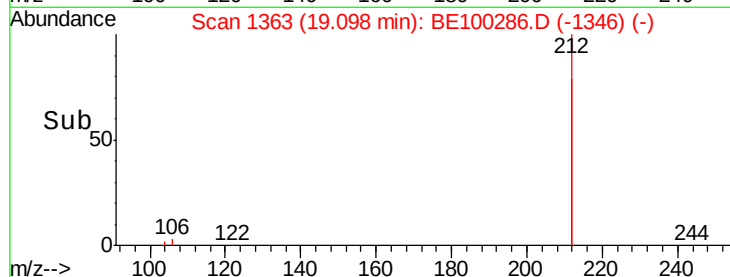
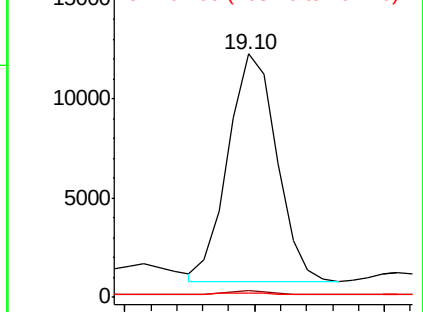
#25
Fluoranthene-d10
Concen: 0.141 ng
RT: 19.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

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

Tgt Ion: 212 Resp: 14923
Ion Ratio Lower Upper
212 100
106 1.6 1.3 1.9
104 1.2 0.8 1.2

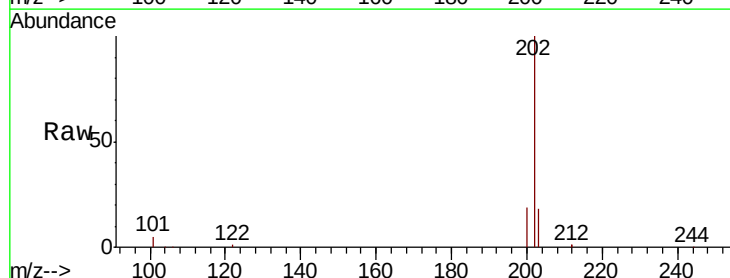


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

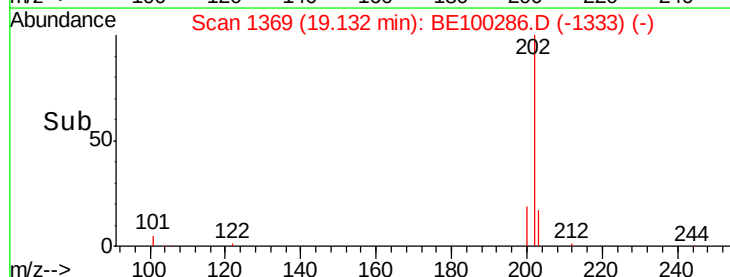
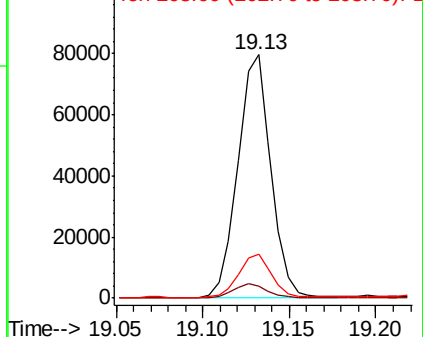


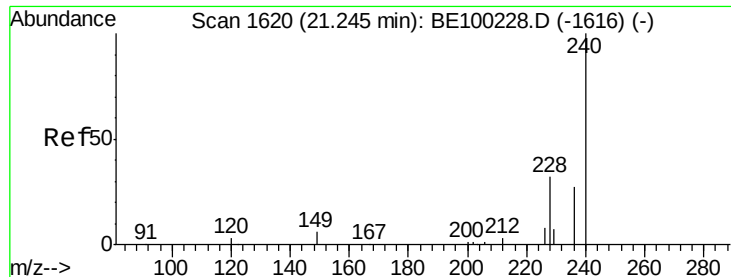
#26
Fluoranthene
Concen: 3.741 ng
RT: 19.13 min Scan# 1369
Delta R.T. 0.01 min
Lab File: BE100286.D
Acq: 2 Jul 2019 4:46

Tgt Ion: 202 Resp: 105266
Ion Ratio Lower Upper
202 100
101 5.7 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

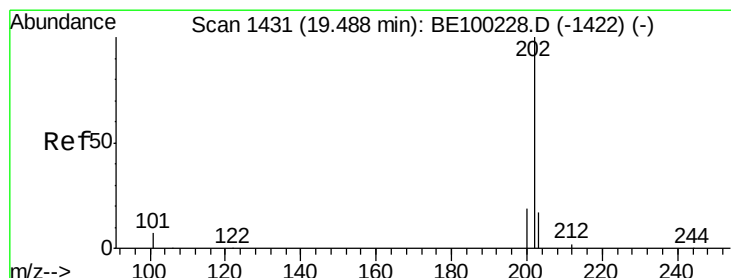
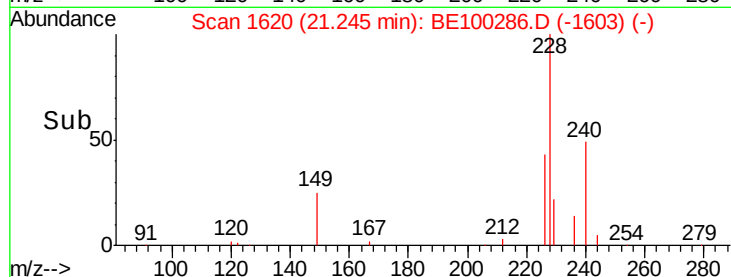
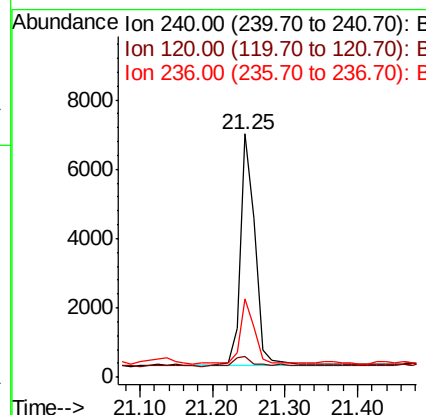
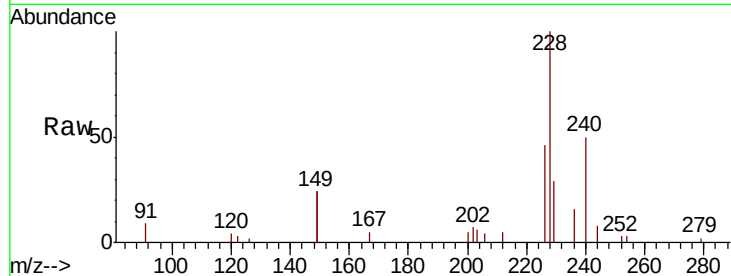




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100286.D
 Acq: 2 Jul 2019 4:46

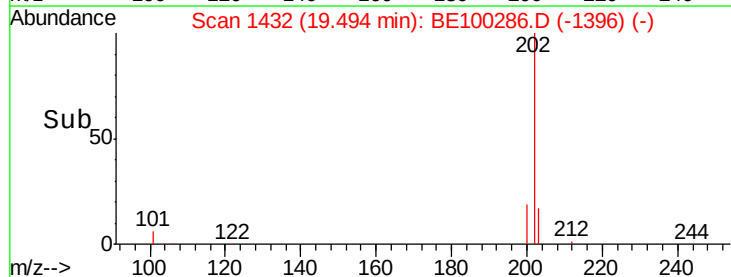
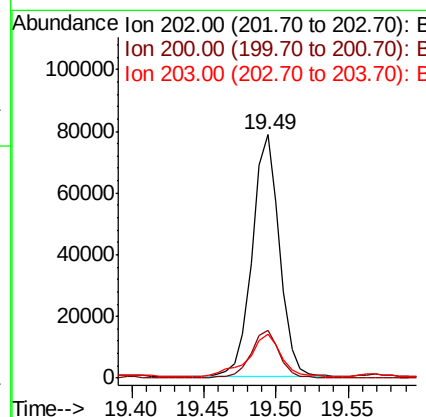
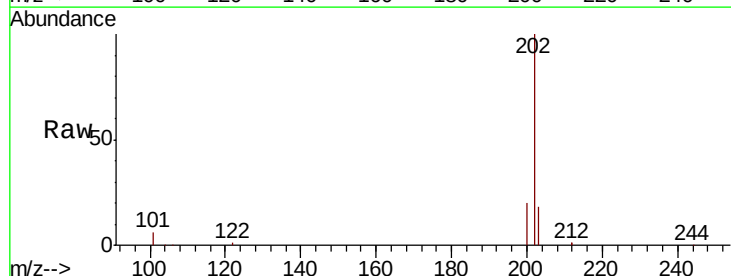
Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW123-061819

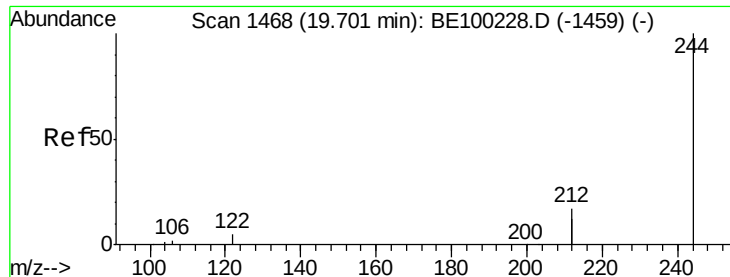
Tgt Ion:240 Resp: 9504
 Ion Ratio Lower Upper
 240 100
 120 8.7 3.3 4.9#
 236 32.4 22.6 34.0



#28
 Pyrene
 Concen: 4.170 ng
 RT: 19.49 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: BE100286.D
 Acq: 2 Jul 2019 4:46

Tgt Ion:202 Resp: 104938
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.6 23.4
 203 21.1 14.0 21.0#





#29

Terphenyl-d14

Concen: 0.139 ng

RT: 19.70 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

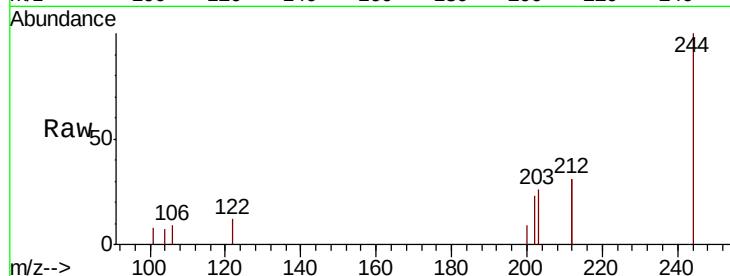
Tgt Ion:244 Resp: 2738

Ion Ratio Lower Upper

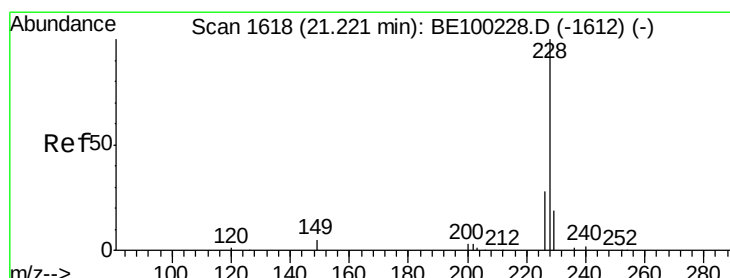
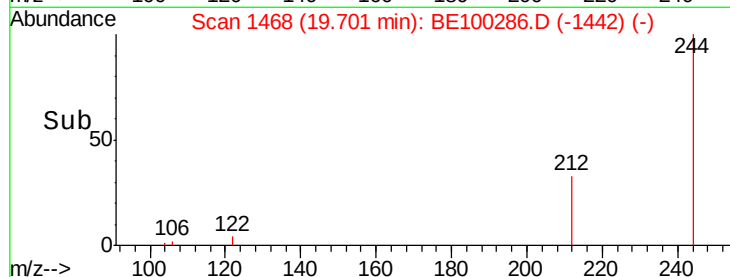
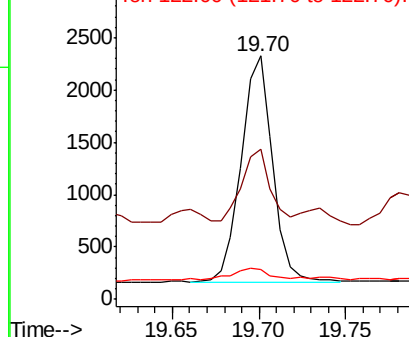
244 100

212 61.6 27.3 40.9#

122 12.2 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: 2.139 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

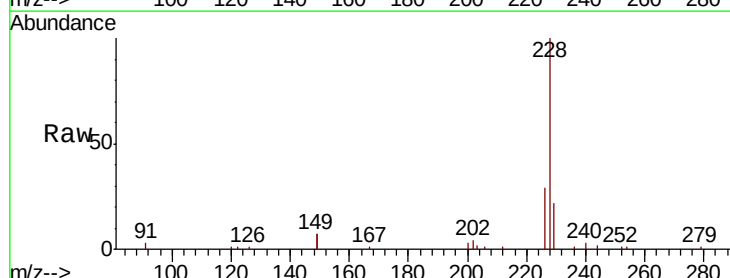
Tgt Ion:228 Resp: 66834

Ion Ratio Lower Upper

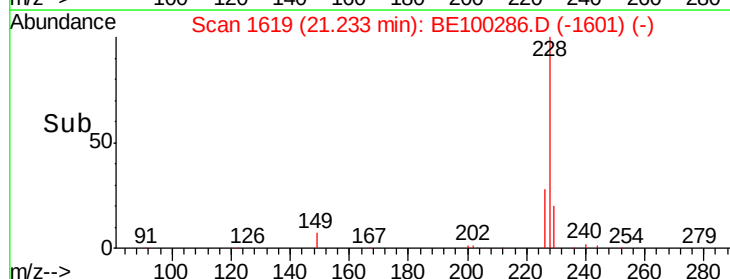
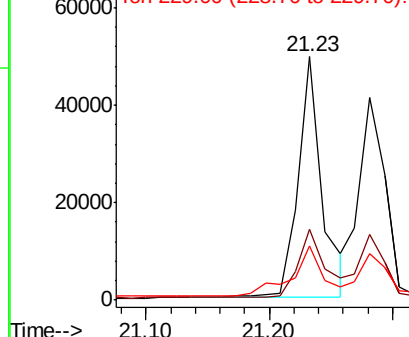
228 100

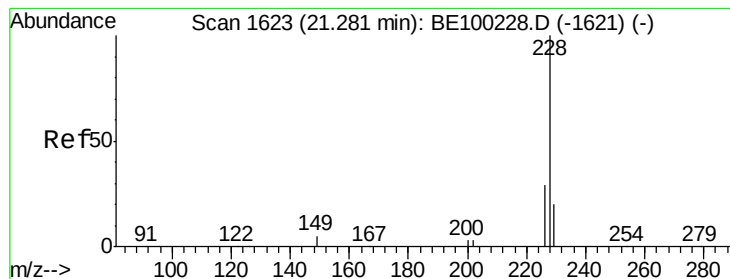
226 29.1 23.2 34.8

229 22.0 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: 1.916 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

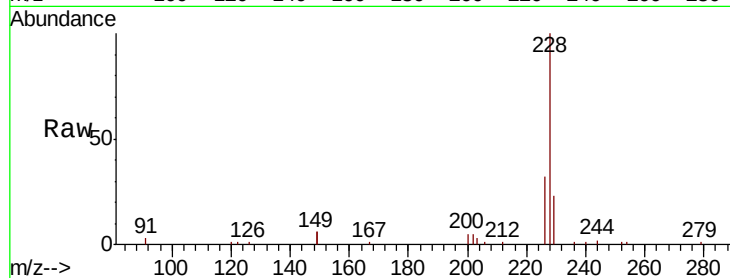
Tgt Ion: 228 Resp: 60125

Ion Ratio Lower Upper

228 100

226 32.3 23.9 35.9

229 22.9 16.5 24.7

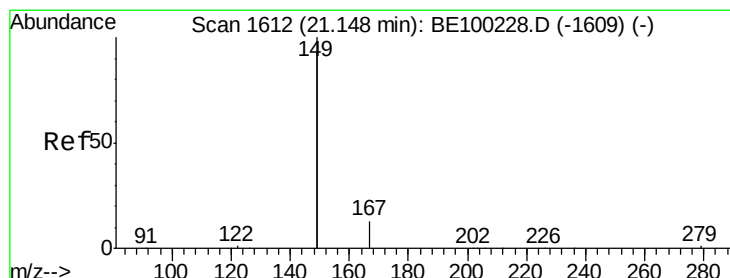
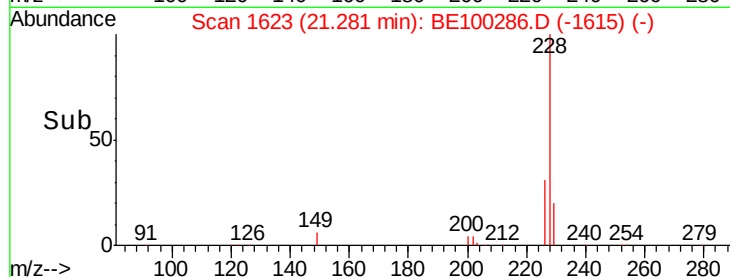
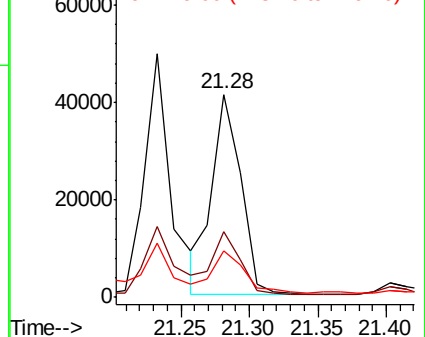


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 3.970 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

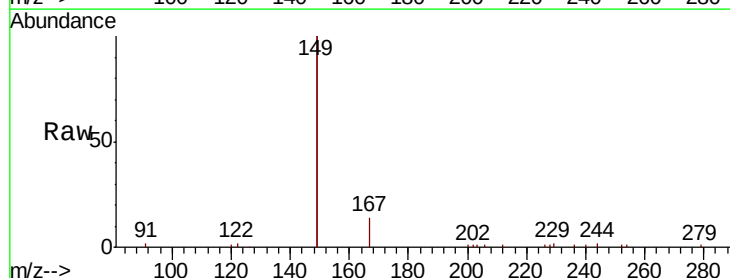
Tgt Ion: 149 Resp: 177872

Ion Ratio Lower Upper

149 100

167 7.1 5.8 8.8

279 1.5 1.1 1.7

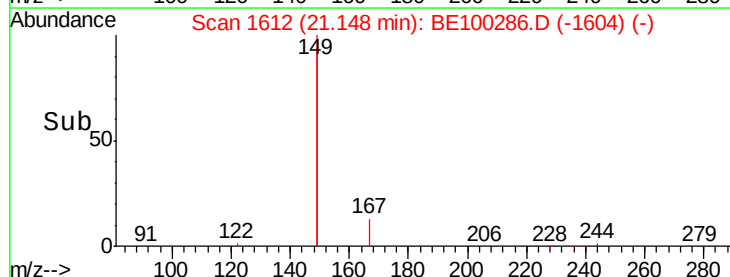
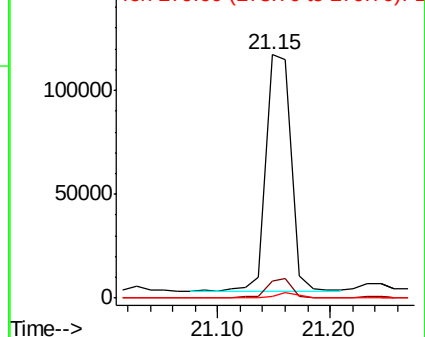


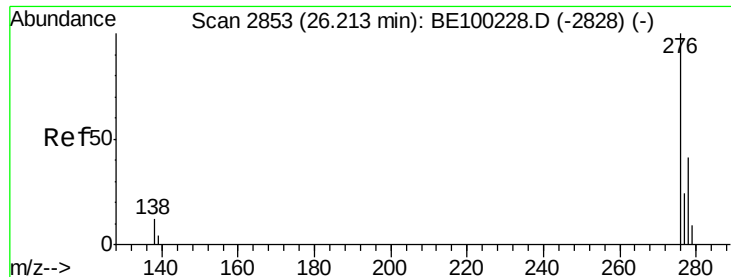
Abundance

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: 0.836 ng

RT: 26.24 min Scan# 2861

Delta R.T. 0.03 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

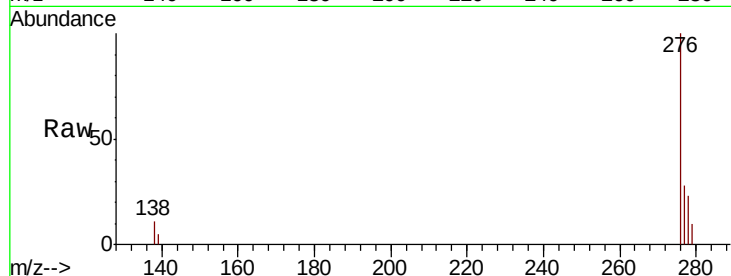
Tgt Ion: 276 Resp: 34705

Ion Ratio Lower Upper

276 100

138 8.9 9.4 14.0#

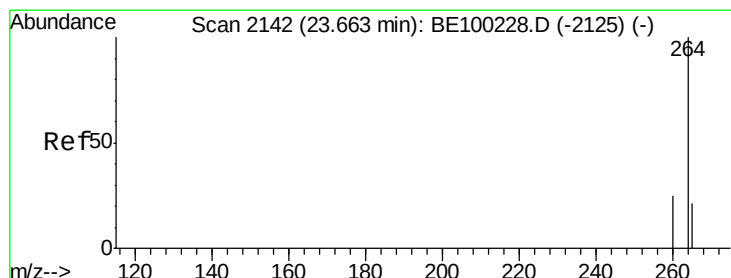
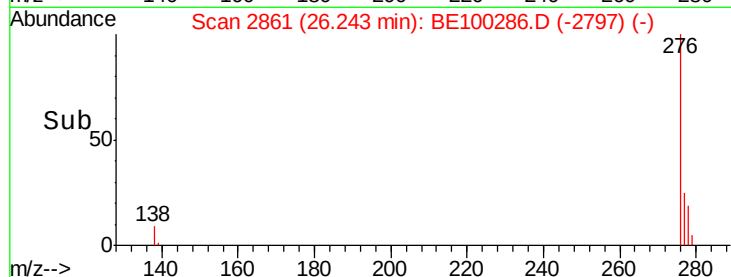
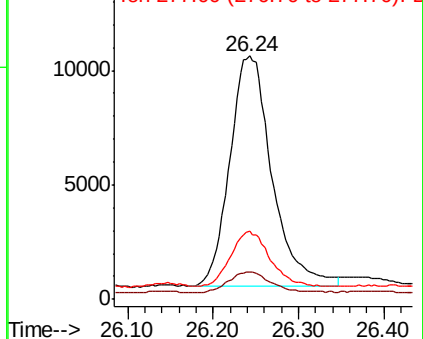
277 22.5 19.2 28.8



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

Perylene-d12

Concen: 0.400 ng

RT: 23.68 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

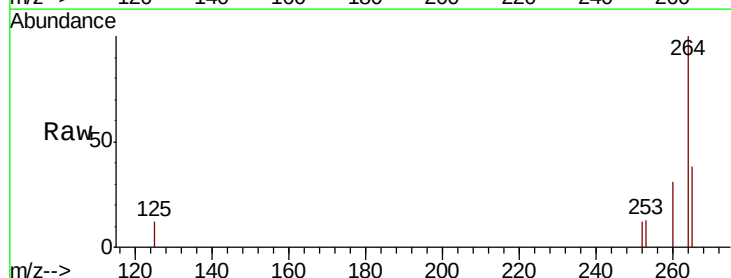
Tgt Ion: 264 Resp: 10712

Ion Ratio Lower Upper

264 100

260 31.4 20.8 31.2#

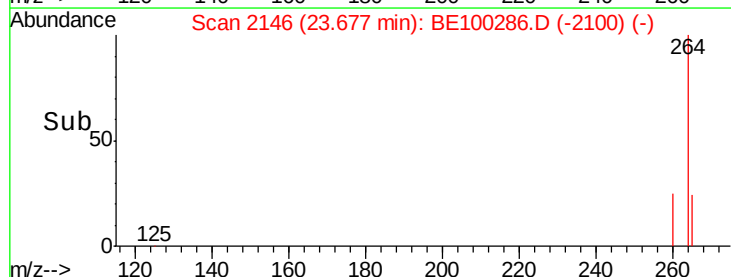
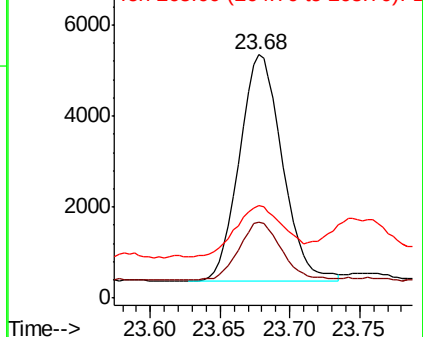
265 38.2 21.8 32.6#

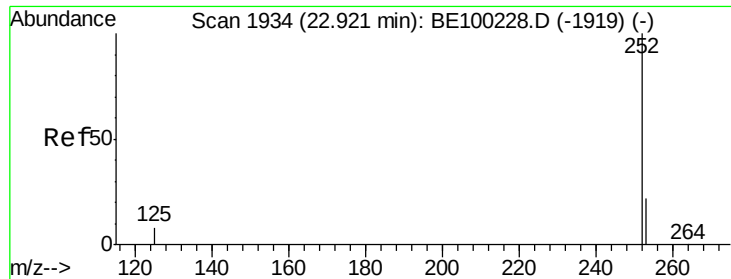


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 2.639 ng

RT: 22.93 min Scan# 1937

Delta R.T. 0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

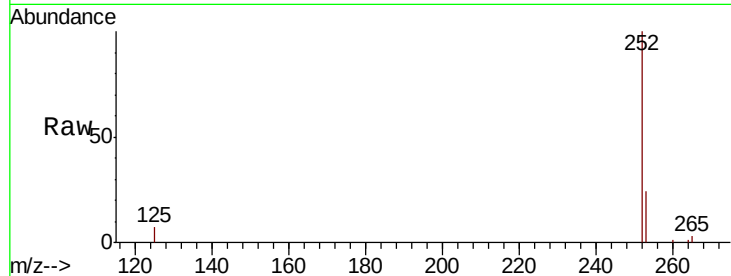
Tgt Ion:252 Resp: 76654

Ion Ratio Lower Upper

252 100

253 24.5 19.2 28.8

125 6.8 7.4 11.0#

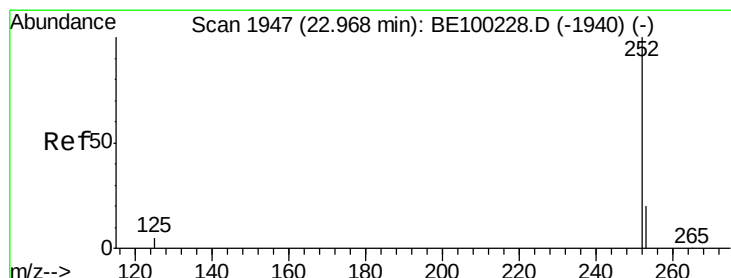
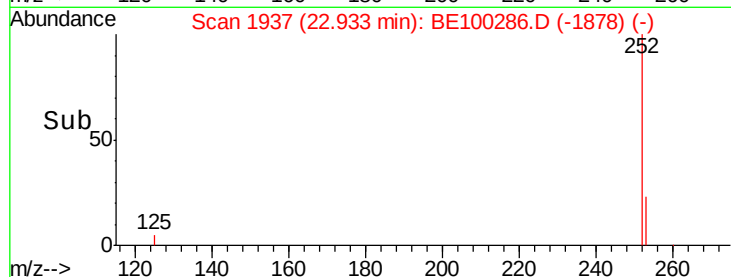
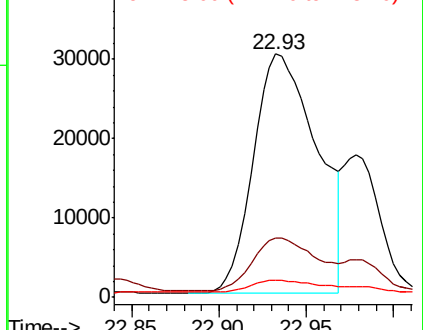


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 2.365 ng

RT: 22.93 min Scan# 1937

Delta R.T. -0.04 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

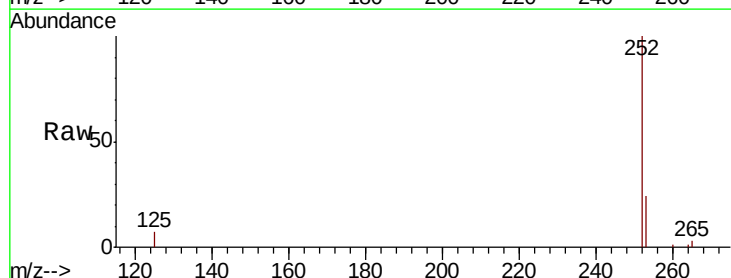
Tgt Ion:252 Resp: 76654

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

125 6.8 5.0 7.4

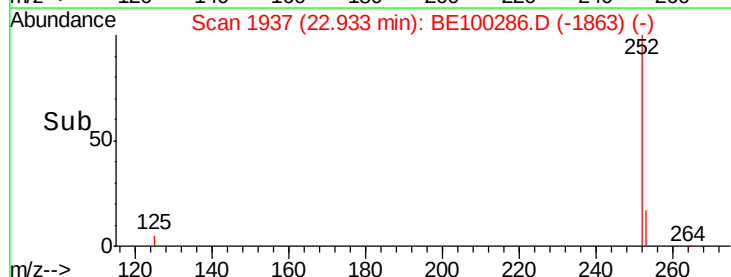
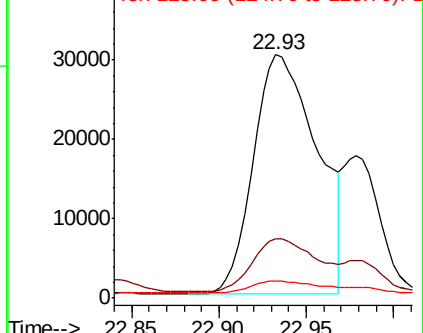


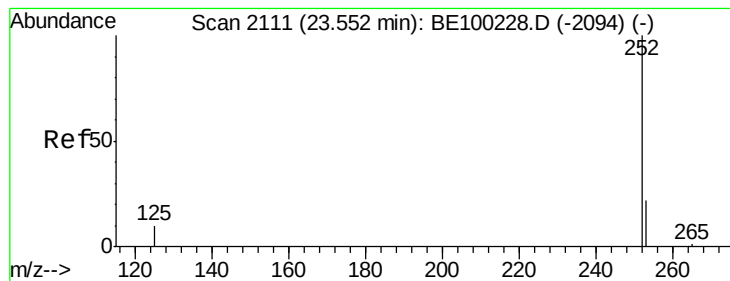
Abundance

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





#37

Benzo(a)pyrene

Concen: 1.832 ng

RT: 23.57 min Scan# 2115

Delta R.T. 0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

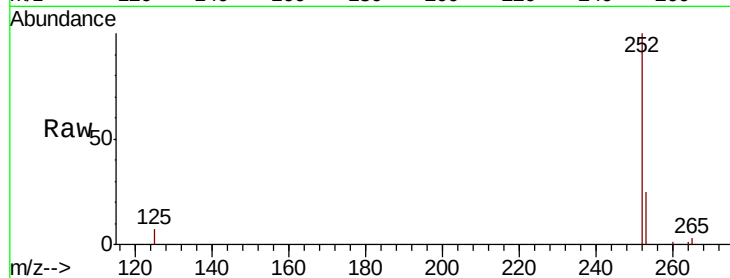
Tgt Ion: 252 Resp: 53311

Ion Ratio Lower Upper

252 100

253 25.0 19.6 29.4

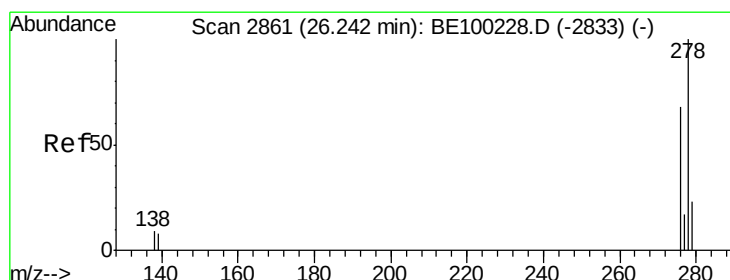
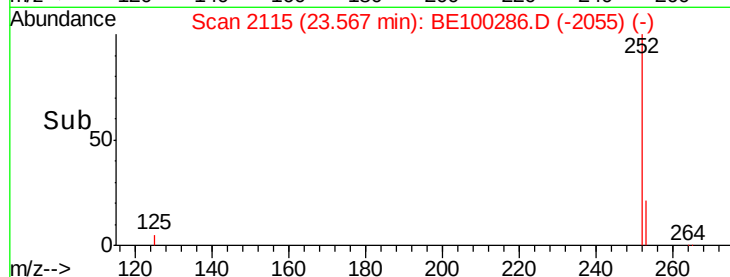
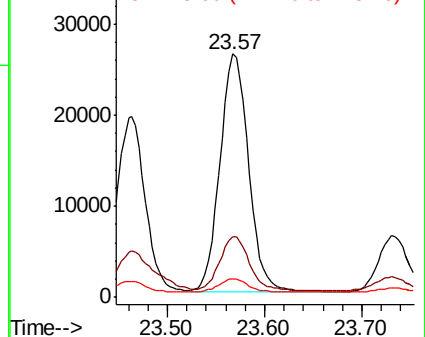
125 7.5 9.0 13.6#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.284 ng

RT: 26.25 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

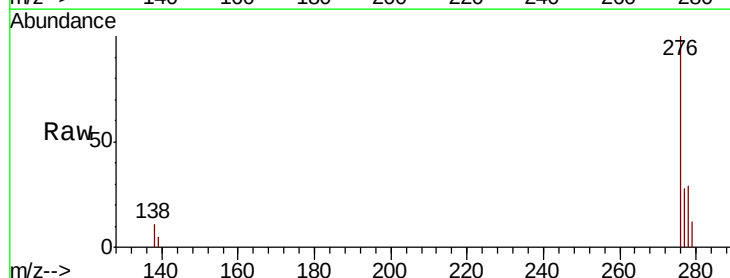
Tgt Ion: 278 Resp: 8636

Ion Ratio Lower Upper

278 100

139 18.3 8.2 12.2#

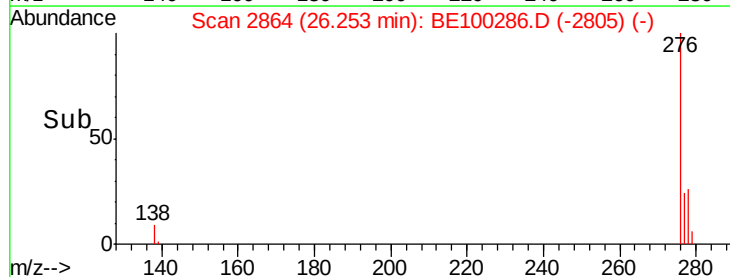
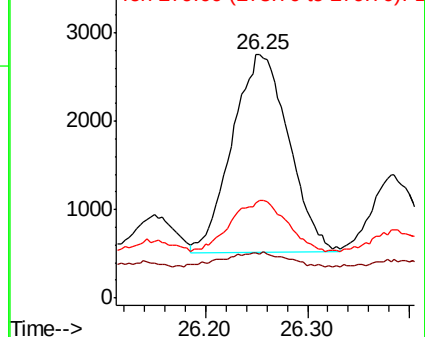
279 40.4 20.3 30.5#

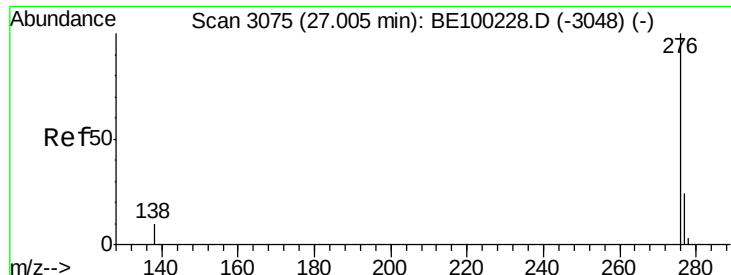


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 1.091 ng

RT: 27.04 min Scan# 3084

Delta R.T. 0.03 min

Lab File: BE100286.D

Acq: 2 Jul 2019 4:46

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW123-061819

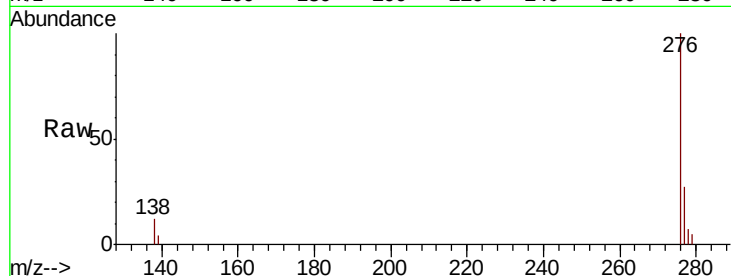
Tgt Ion: 276 Resp: 34070

Ion Ratio Lower Upper

276 100

277 27.2 20.2 30.2

138 11.6 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

