

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062819\
 Data File : BE100241.D
 Acq On : 28 Jun 2019 19:01
 Operator : JU/SJ
 Sample : K3428-18
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW167-061319

Quant Time: Jun 29 00:01:19 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	635	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2211	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2391	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5888	0.40	ng	0.00
27) Chrysene-d12	21.26	240	16819	0.40	ng	0.01
34) Perylene-d12	23.69	264	18897	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	478	0.30	ng	0.00
5) Phenol-d6	6.83	99	643	0.30	ng	-0.01
8) Nitrobenzene-d5	8.81	82	652	0.30	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1661	0.40	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	466	0.28	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2179	0.23	ng	-0.01
25) Fluoranthene-d10	19.10	212	34713	0.41	ng	0.00
29) Terphenyl-d14	19.70	244	8936	0.26	ng	0.00

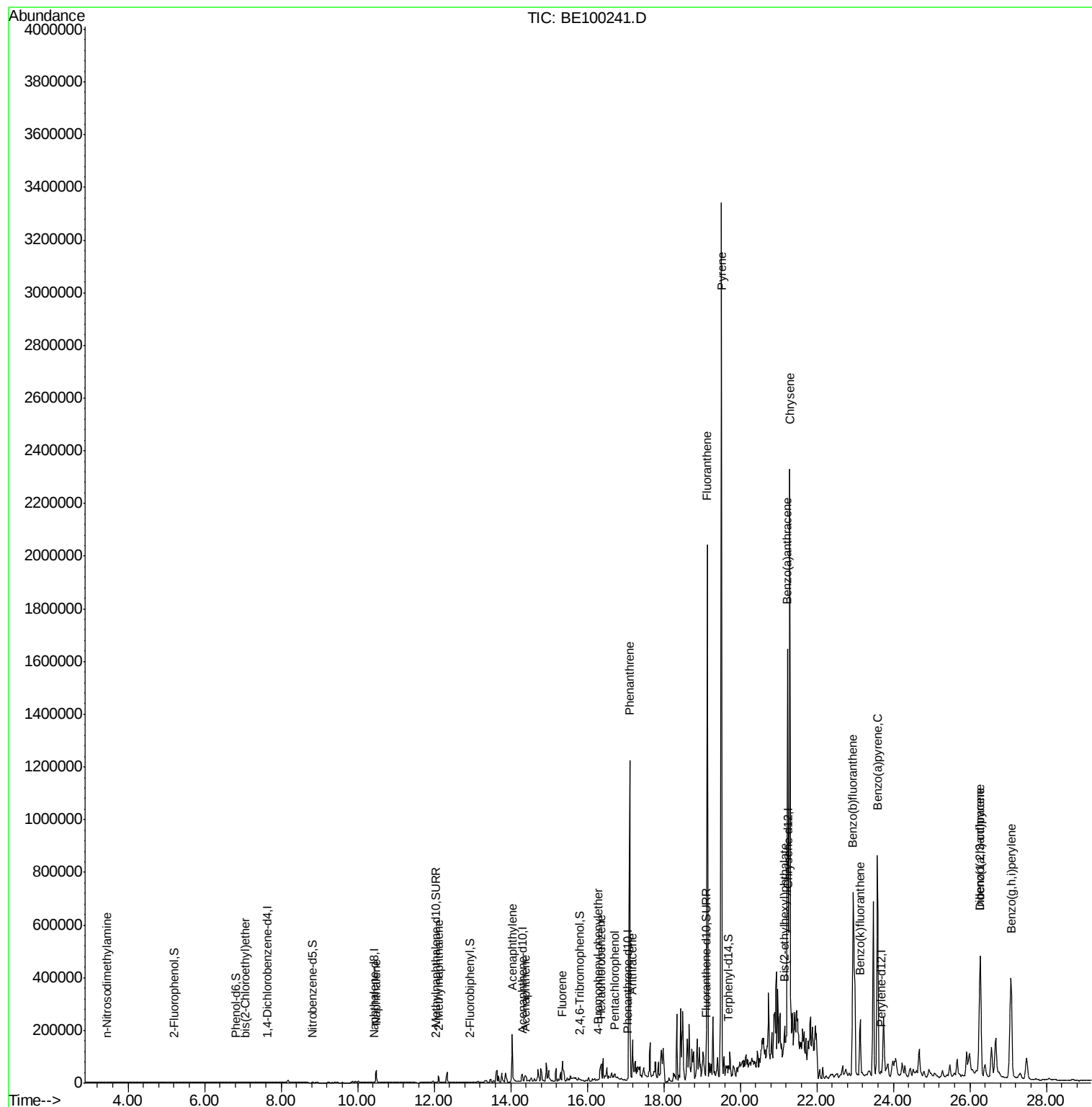
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.45	42	39	0.085	ng	# 4
6) bis(2-Chloroethyl)ether	7.06	93	83	0.047	ng	# 57
9) Naphthalene	10.48	128	81573	3.345	ng	# 97
12) 2-Methylnaphthalene	12.11	142	18076	4.224	ng	98
16) Acenaphthylene	14.04	152	230329	20.074	ng	99
17) Acenaphthene	14.38	154	13553	2.084	ng	90
18) Fluorene	15.35	166	69366	7.214	ng	# 85
20) 4-Bromophenyl-phenylether	16.29	248	17	0.005	ng	# 1
21) Hexachlorobenzene	16.36	284	18	0.005	ng	# 1
22) Pentachlorophenol	16.72	266	58	0.049	ng	# 83
23) Phenanthrene	17.11	178	1241534	86.999	ng	98
24) Anthracene	17.19	178	175553	13.661	ng	# 93
26) Fluoranthene	19.14	202	1884303	82.897	ng	# 96
28) Pyrene	19.51	202	3117316	70.007	ng	# 93
30) Benzo(a)anthracene	21.23	228	1600460	28.941	ng	# 91
31) Chrysene	21.29	228	1972767	35.526	ng	92
32) Bis(2-ethylhexyl)phthalate	21.16	149	16612	0.155	ng	# 91
33) Indeno(1,2,3-cd)pyrene	26.27	276	905573	12.329	ng	# 95
35) Benzo(b)fluoranthene	22.95	252	1525357	29.772	ng	# 95
36) Benzo(k)fluoranthene	23.13	252	318488	5.569	ng	93
37) Benzo(a)pyrene	23.59	252	1389929	27.068	ng	# 92
38) Dibenzo(a,h)anthracene	26.28	278	278208	5.188	ng	# 87
39) Benzo(g,h,i)perylene	27.08	276	1080298	19.609	ng	# 97

(#) = 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: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

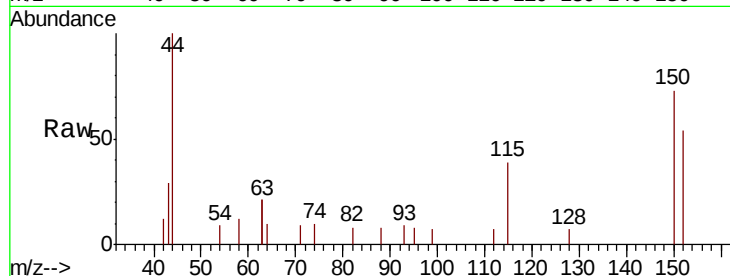
Tgt Ion:152 Resp: 635

Ion Ratio Lower Upper

152 100

150 134.4 114.5 171.7

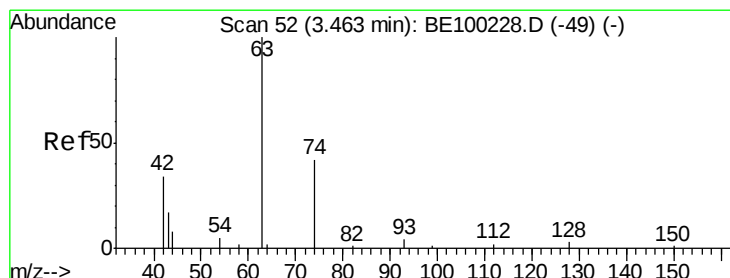
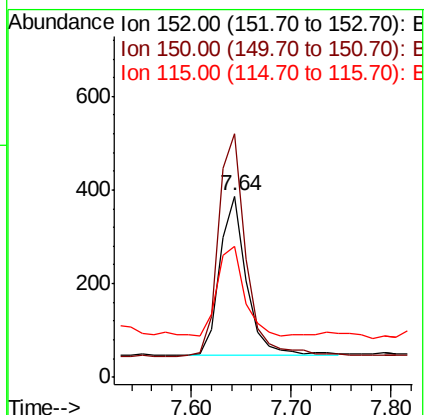
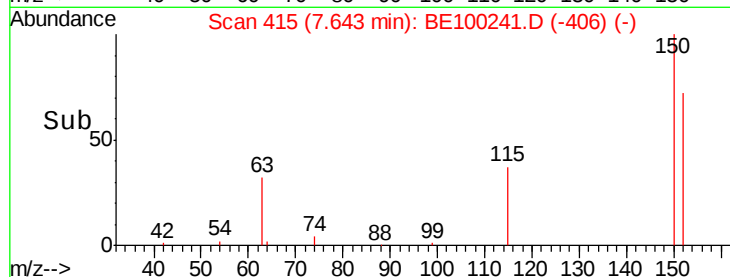
115 72.4 57.1 85.7



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



#3

n-Nitrosodimethylamine

Concen: 0.085 ng

RT: 3.45 min Scan# 51

Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

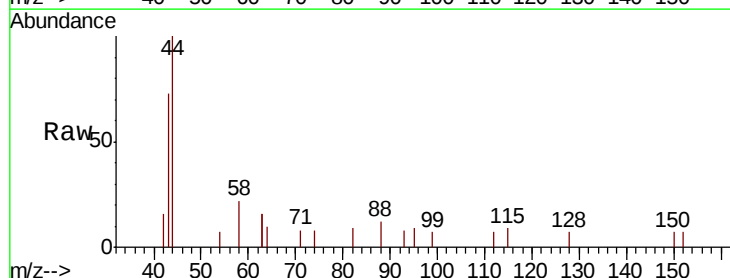
Tgt Ion: 42 Resp: 39

Ion Ratio Lower Upper

42 100

74 25.6 130.6 196.0#

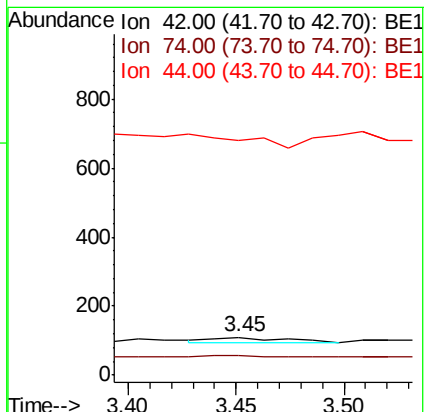
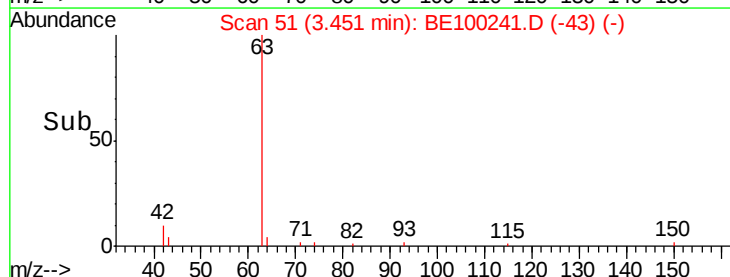
44 0.0 38.0 57.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1





#4

2-Fluorophenol

Concen: 0.295 ng

RT: 5.21 min Scan# 204

Delta R.T. -0.00 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

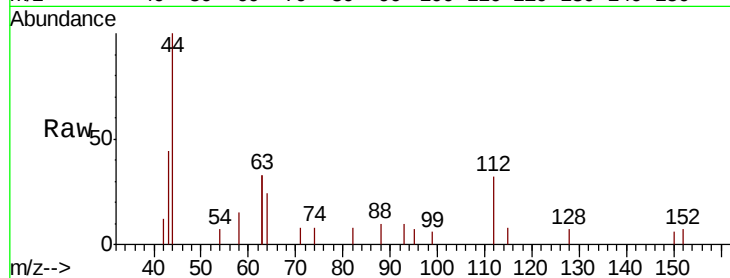
Tgt Ion: 112 Resp: 478

Ion Ratio Lower Upper

112 100

64 59.4 39.4 59.0#

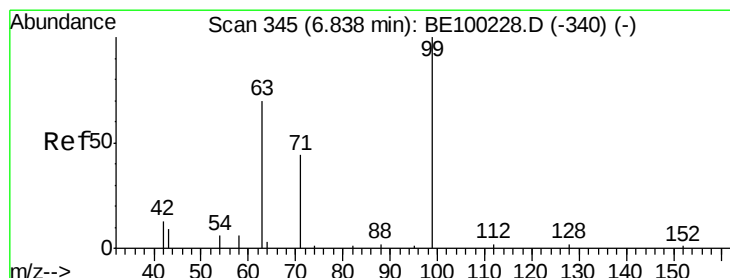
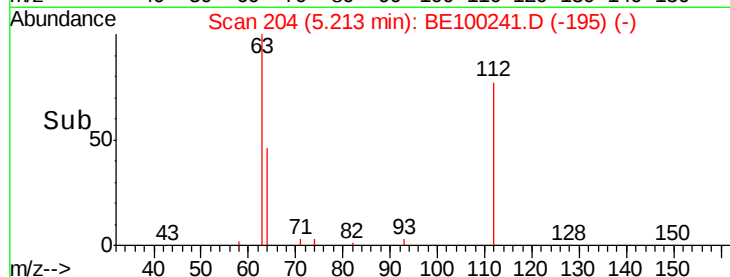
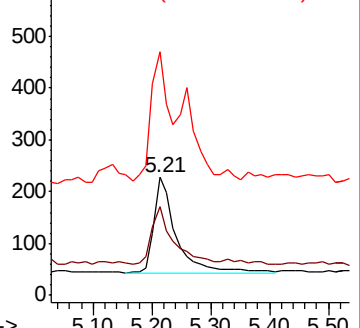
63 105.2 104.5 156.7



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.302 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

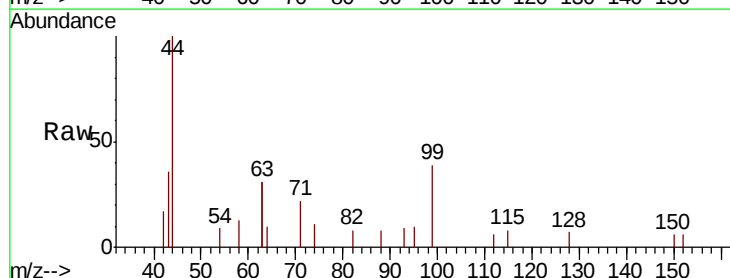
Tgt Ion: 99 Resp: 643

Ion Ratio Lower Upper

99 100

42 23.8 11.2 16.8#

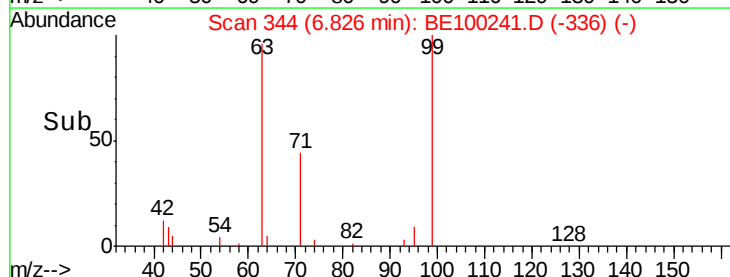
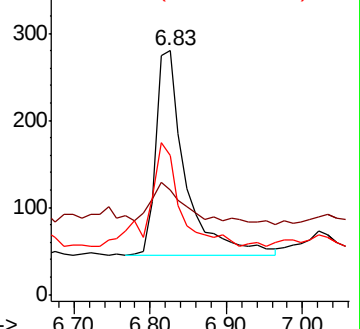
71 46.3 37.2 55.8

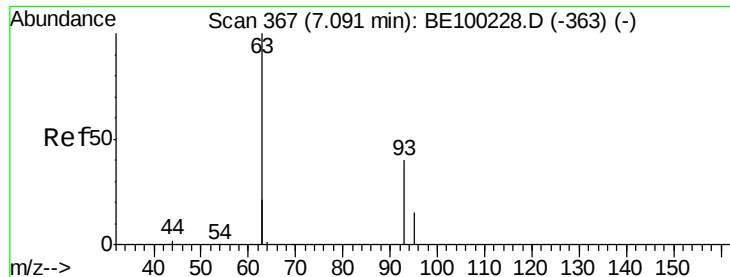


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.047 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.04 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

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EXT-084-SW167-061319

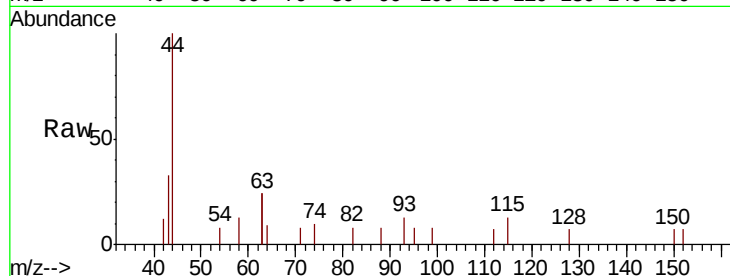
Tgt Ion: 93 Resp: 83

Ion Ratio Lower Upper

93 100

63 256.6 155.6 233.4#

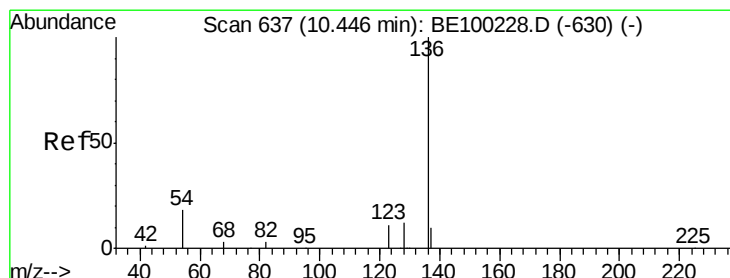
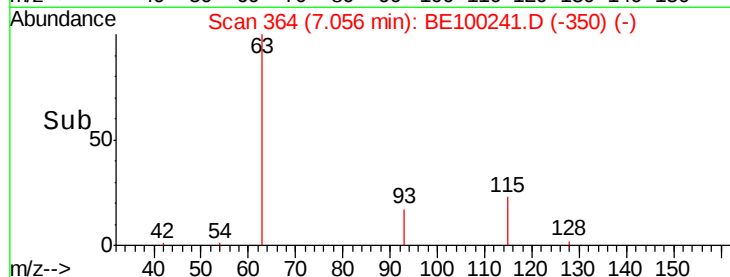
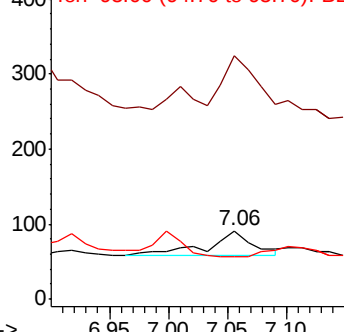
95 0.0 23.0 34.4#



Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Tgt Ion: 136 Resp: 2211

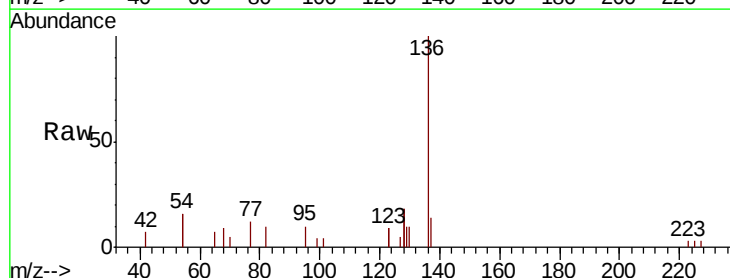
Ion Ratio Lower Upper

136 100

137 13.8 11.8 17.8

54 32.9 27.7 41.5

68 9.0 6.8 10.2

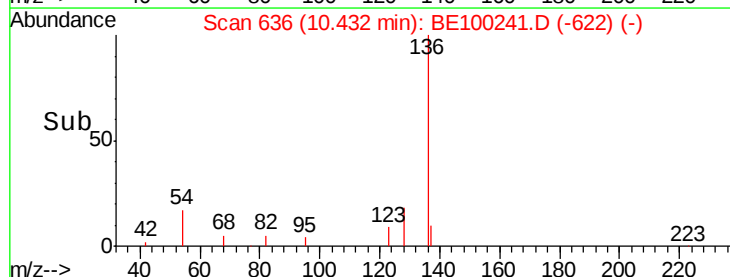
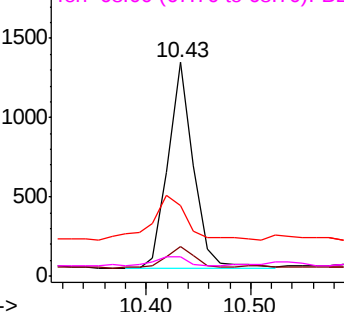


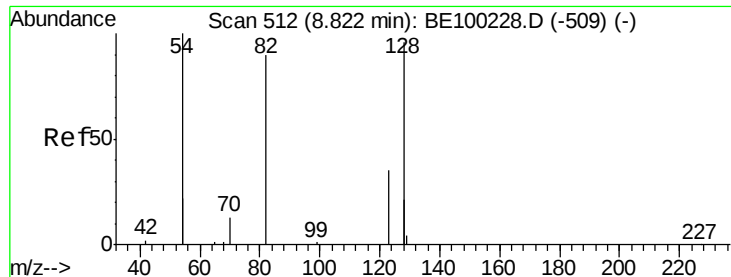
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.297 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

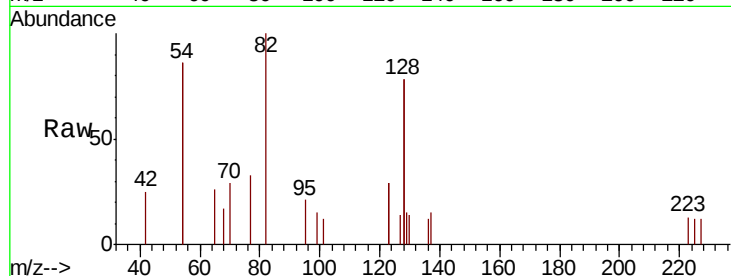
Tgt Ion: 82 Resp: 652

Ion Ratio Lower Upper

82 100

128 157.0 140.9 211.3

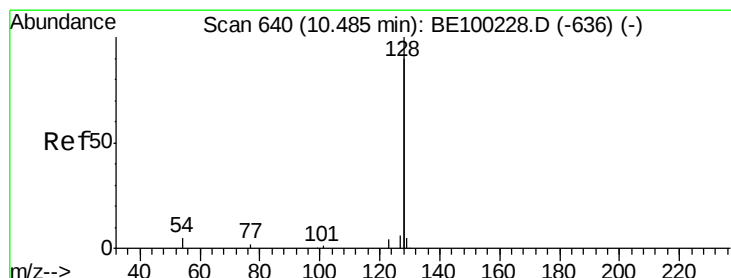
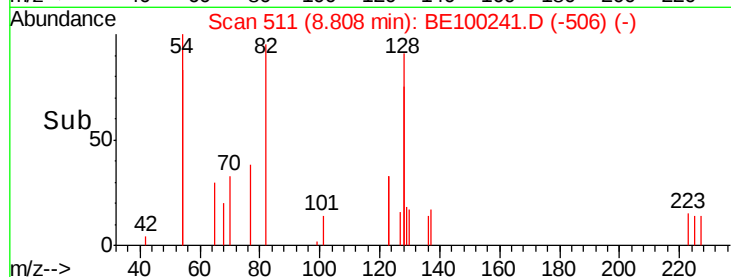
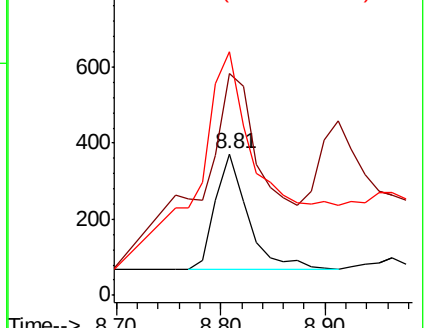
54 172.0 146.2 219.2



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



#9

Naphthalene

Concen: 3.345 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

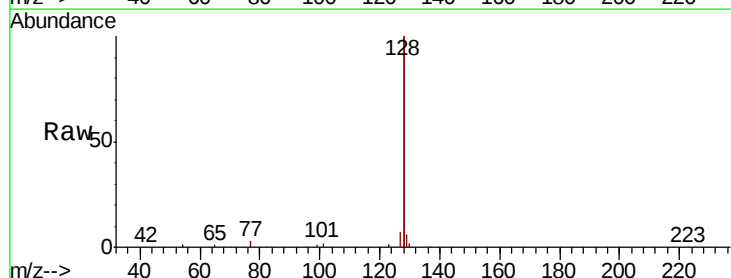
Tgt Ion: 128 Resp: 81573

Ion Ratio Lower Upper

128 100

129 3.1 3.0 4.6

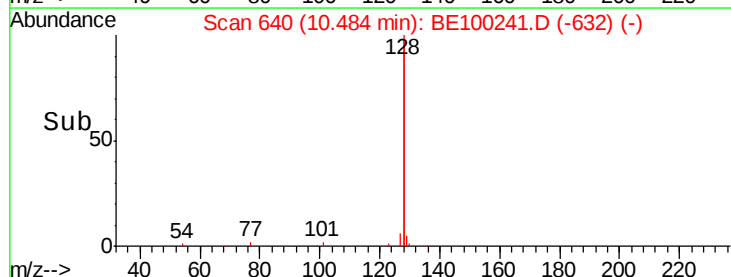
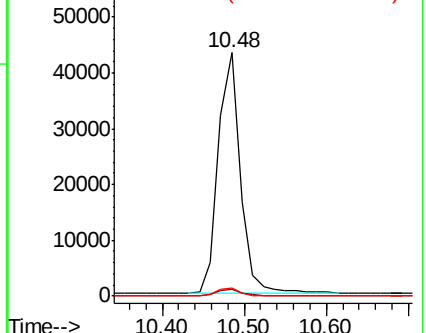
127 3.3 3.5 5.3#

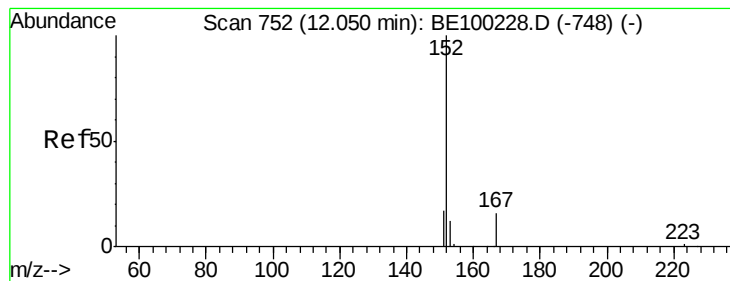


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.399 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

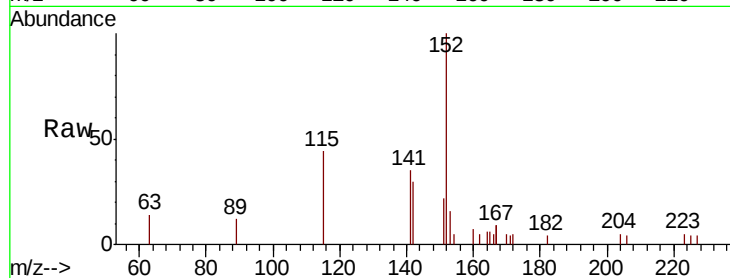
EXT-084-SW167-061319

Tgt Ion:152 Resp: 1661

Ion Ratio Lower Upper

152 100

151 18.4 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

1000

800

600

400

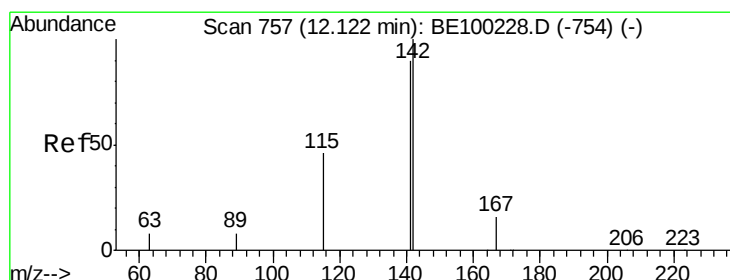
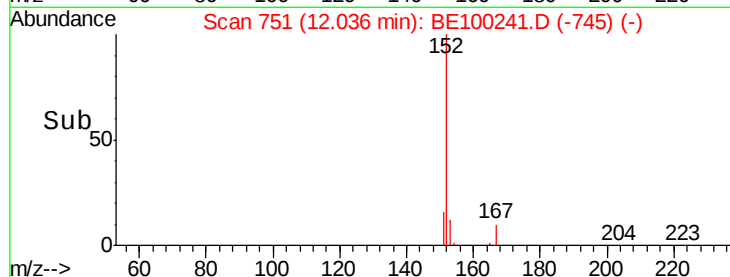
200

0

Time-->

12.00

12.20



#12

2-Methylnaphthalene

Concen: 4.224 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

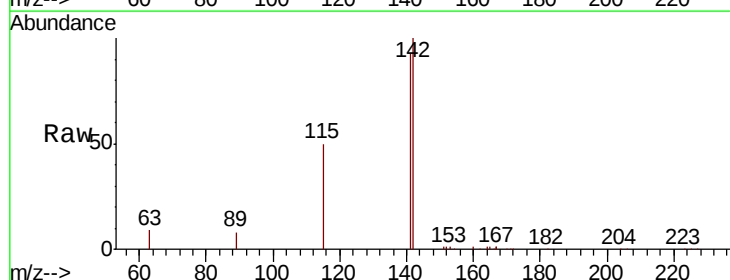
Tgt Ion:142 Resp: 18076

Ion Ratio Lower Upper

142 100

141 92.8 72.4 108.6

115 49.6 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

12.11

15000

10000

5000

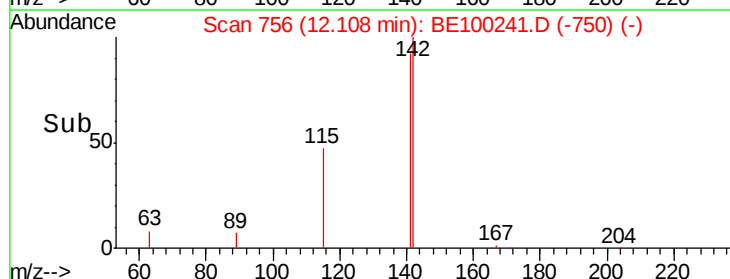
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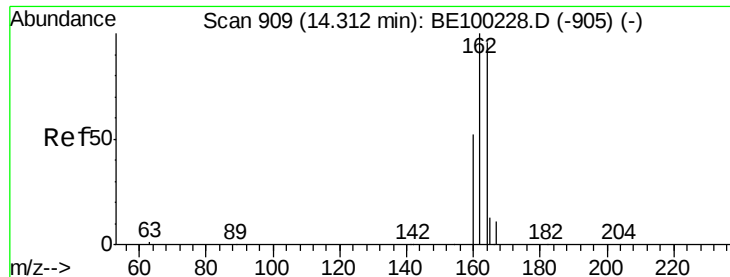
Time-->

12.00

12.10

12.20

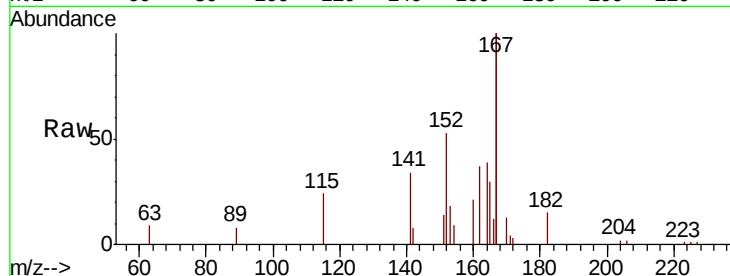




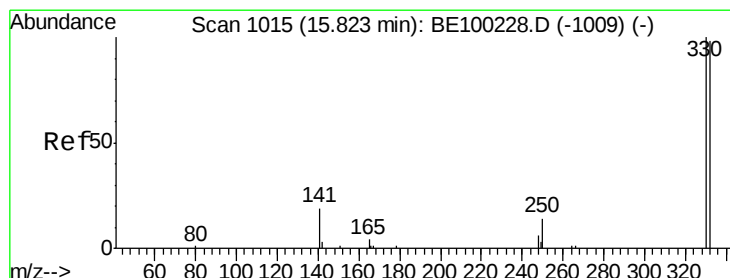
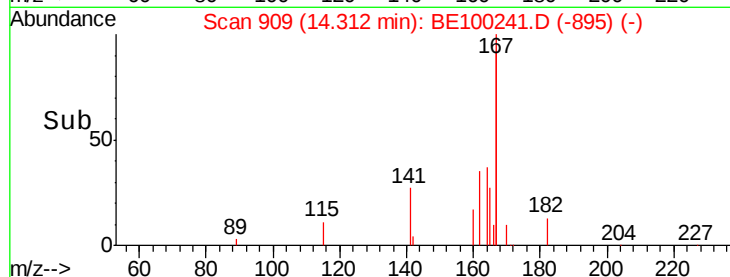
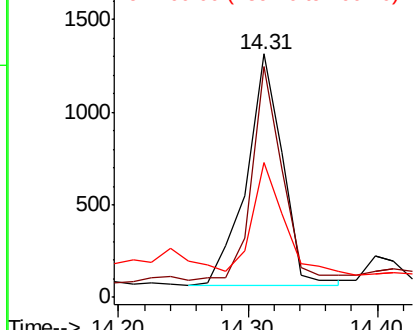
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
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EXT-084-SW167-061319

Tgt Ion:164 Resp: 2391
Ion Ratio Lower Upper
164 100
162 95.0 83.4 125.0
160 55.2 45.0 67.6

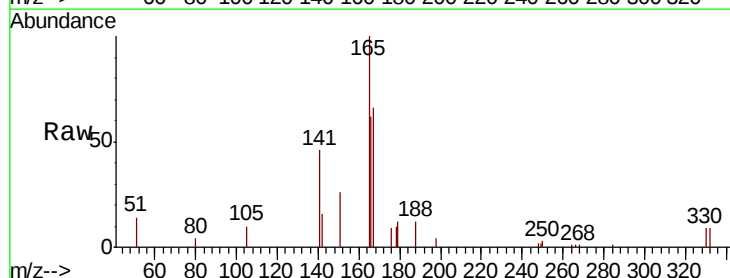


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

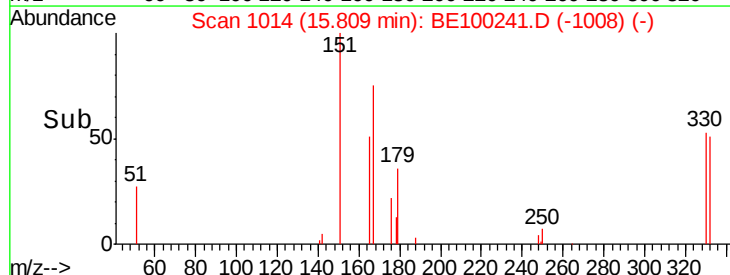
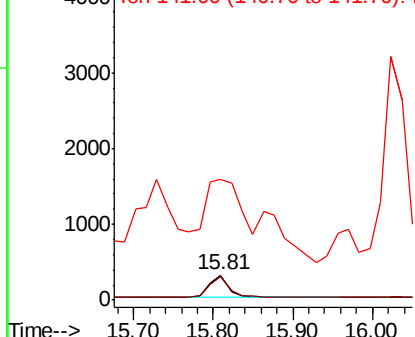


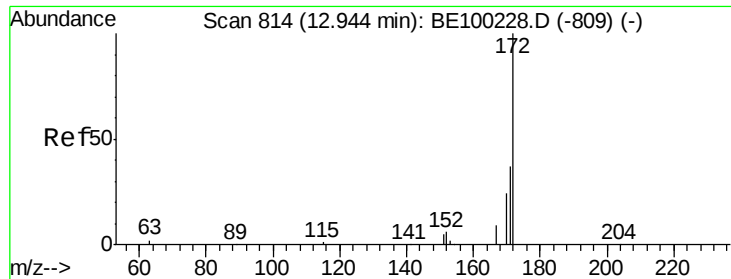
#14
2,4,6-Tribromophenol
Concen: 0.279 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:330 Resp: 466
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.4
141 424.7 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

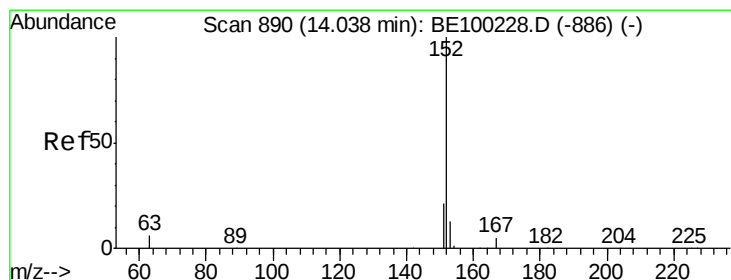
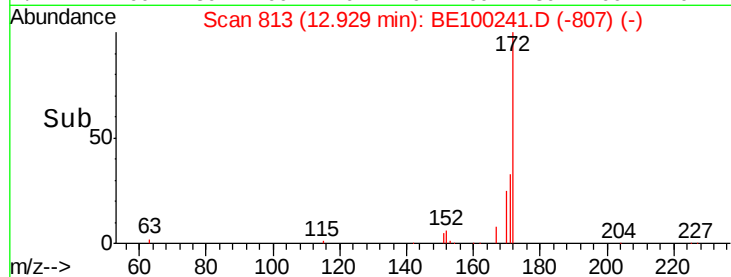
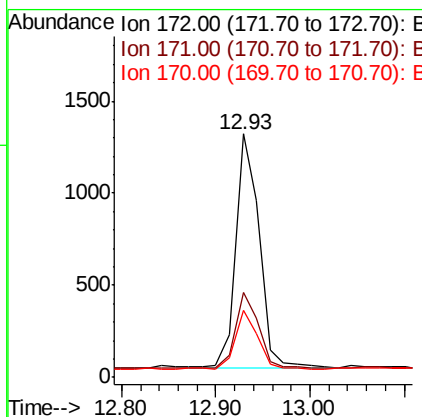
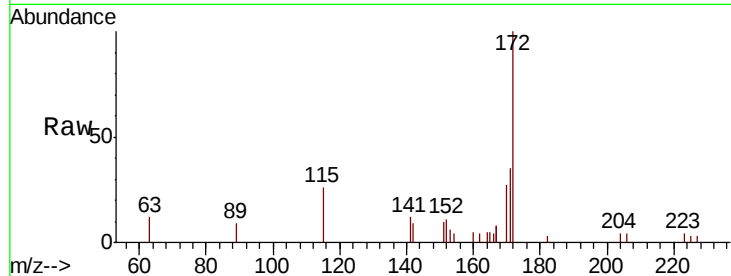




#15
2-Fluorobiphenyl
Concen: 0.234 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

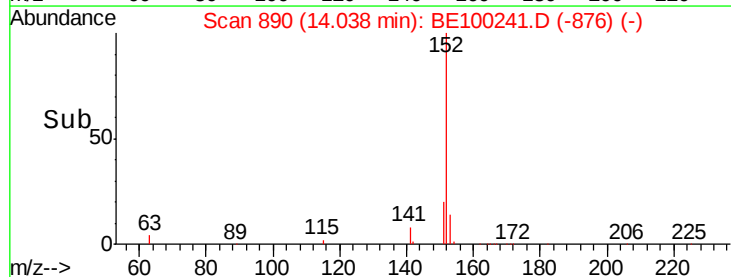
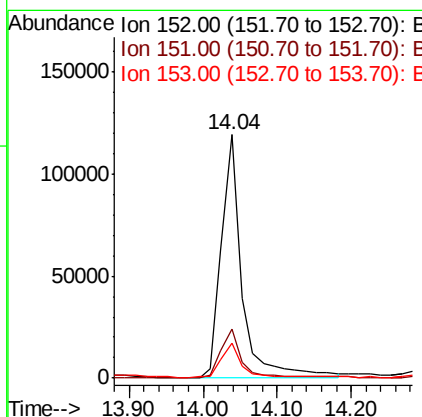
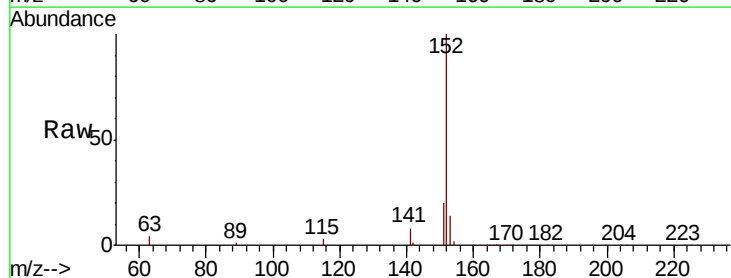
Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

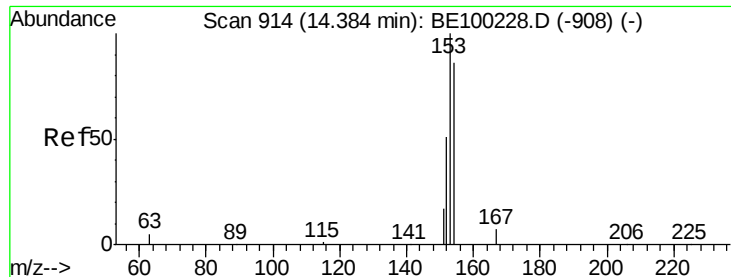
Tgt Ion:172 Resp: 2179
Ion Ratio Lower Upper
172 100
171 34.9 31.9 47.9
170 27.2 22.2 33.2



#16
Acenaphthylene
Concen: 20.074 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:152 Resp: 230329
Ion Ratio Lower Upper
152 100
151 20.3 16.6 25.0
153 13.7 10.5 15.7

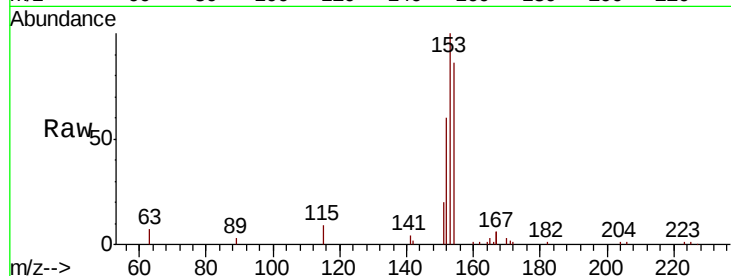




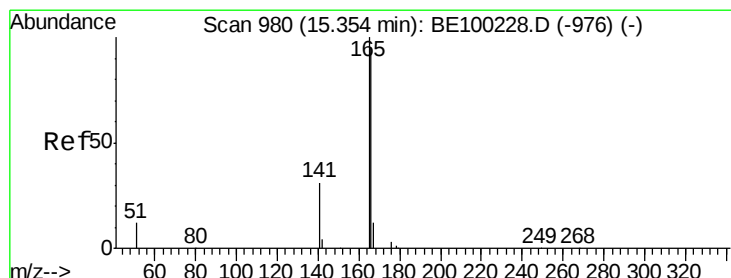
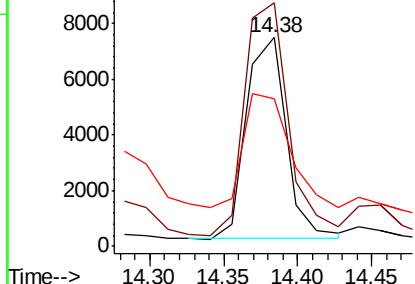
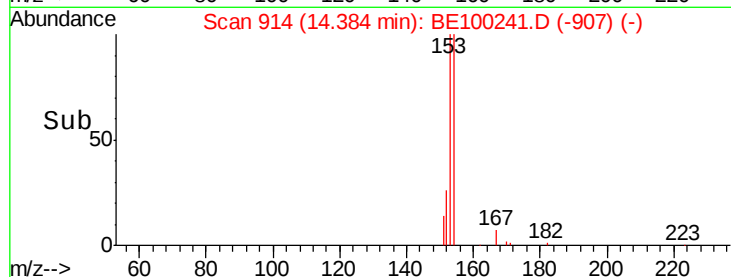
#17
Acenaphthene
Concen: 2.084 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tgt Ion:154 Resp: 13553
Ion Ratio Lower Upper
154 100
153 126.1 93.4 140.2
152 72.6 49.4 74.2

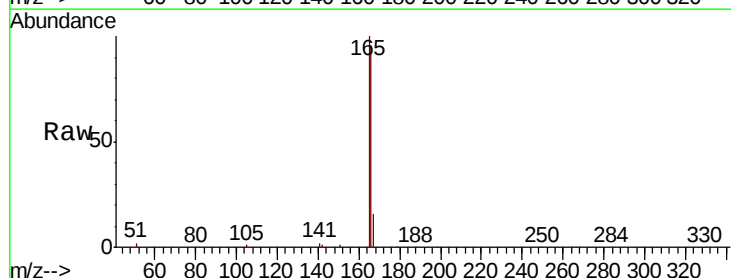


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

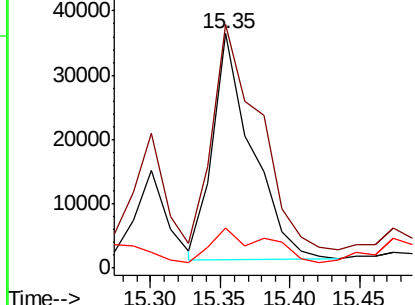
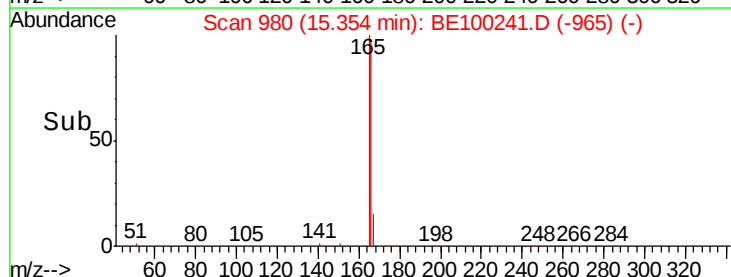


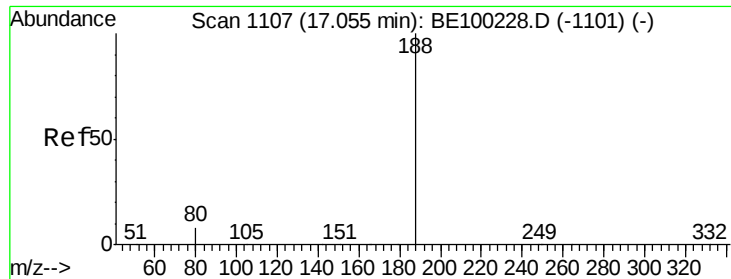
#18
Fluorene
Concen: 7.214 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:166 Resp: 69366
Ion Ratio Lower Upper
166 100
165 116.6 81.1 121.7
167 20.8 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

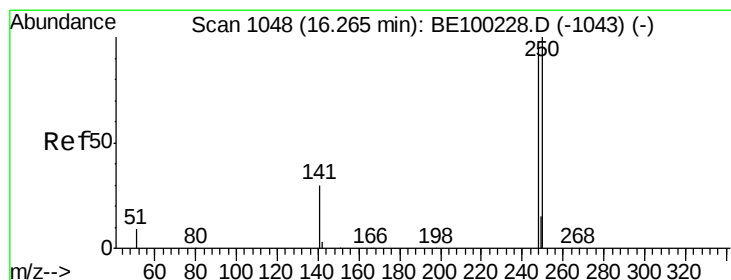
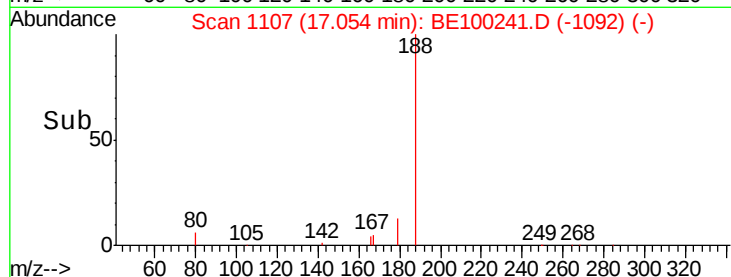
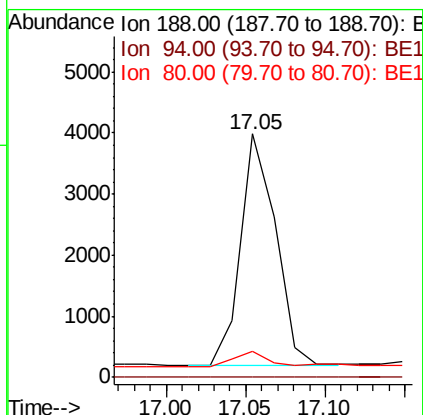
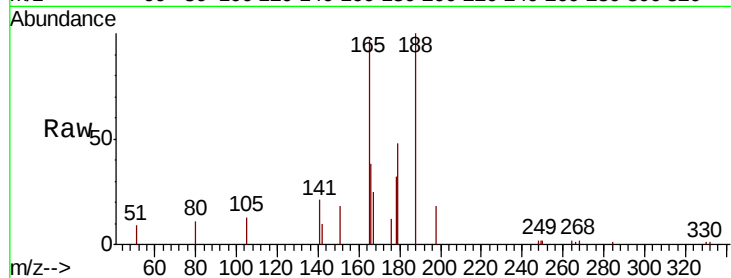




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

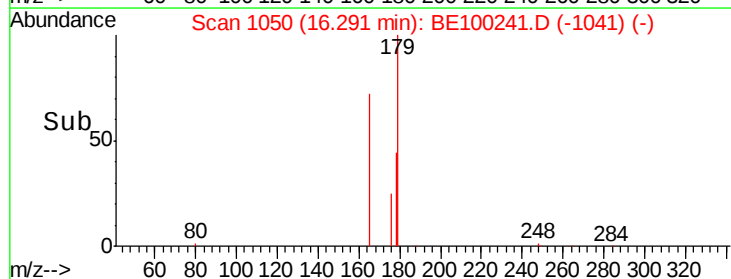
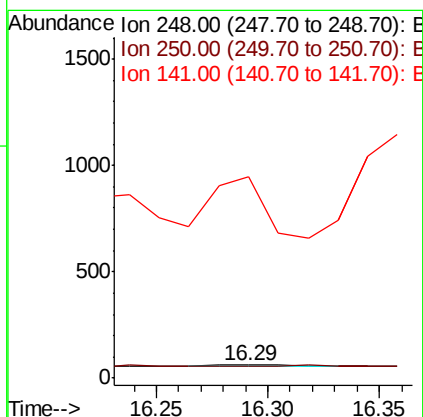
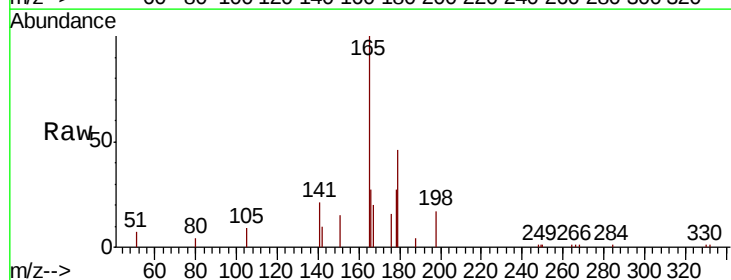
Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

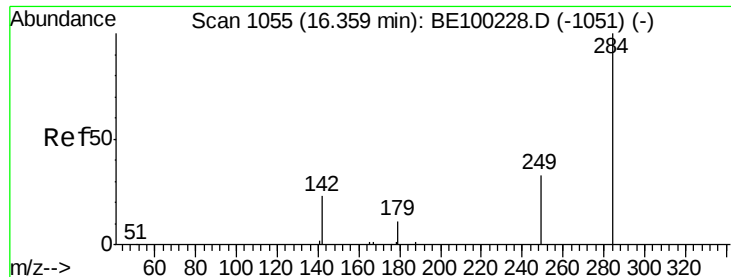
Tgt Ion:188 Resp: 5888
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 7.6 11.4



#20
4-Bromophenyl-phenylether
Concen: 0.005 ng
RT: 16.29 min Scan# 1050
Delta R.T. 0.03 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:248 Resp: 17
Ion Ratio Lower Upper
248 100
250 88.7 84.2 126.4
141 1529.0 29.3 43.9#





#21

Hexachlorobenzene

Concen: 0.005 ng

RT: 16.36 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

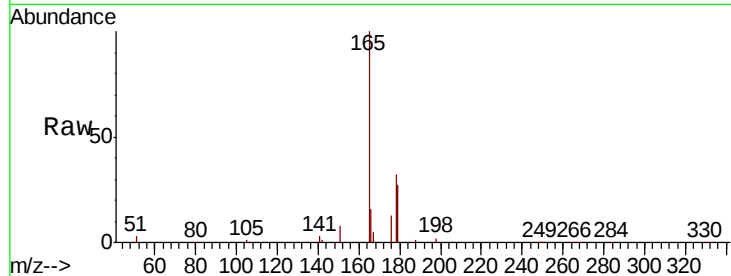
Tgt Ion:284 Resp: 18

Ion Ratio Lower Upper

284 100

142 2572.2 18.8 28.2#

249 50.0 23.7 35.5#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

600

500

400

300

200

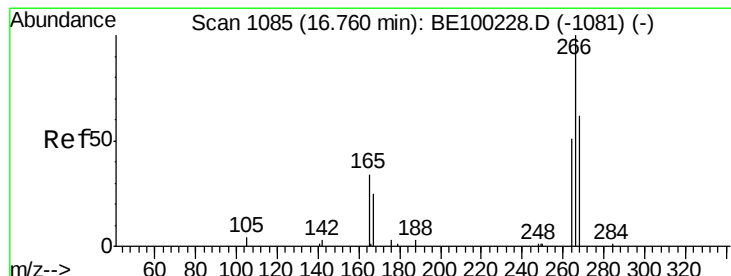
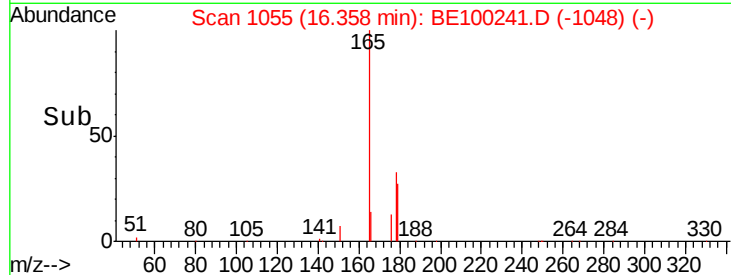
100

0

16.30 16.35 16.40

16.36

Time-->



#22

Pentachlorophenol

Concen: 0.049 ng

RT: 16.72 min Scan# 1082

Delta R.T. -0.04 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

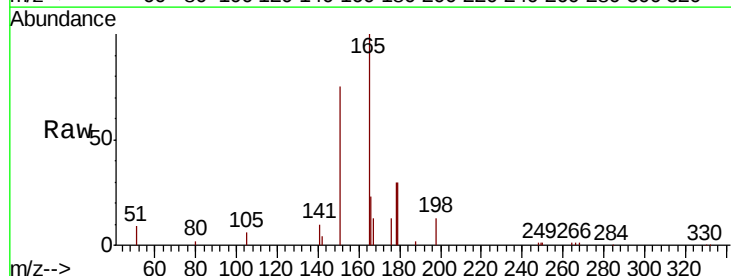
Tgt Ion:266 Resp: 58

Ion Ratio Lower Upper

266 100

264 84.9 56.2 84.2#

268 90.7 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

100

80

60

40

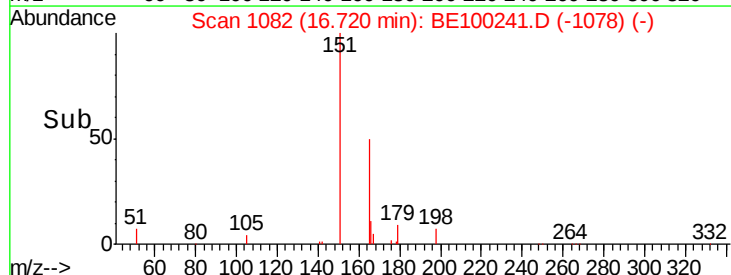
20

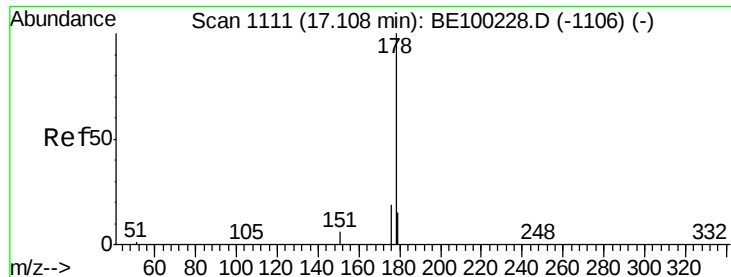
0

16.65 16.70 16.75 16.80

16.72

Time-->





#23

Phenanthrene

Concen: 86.999 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

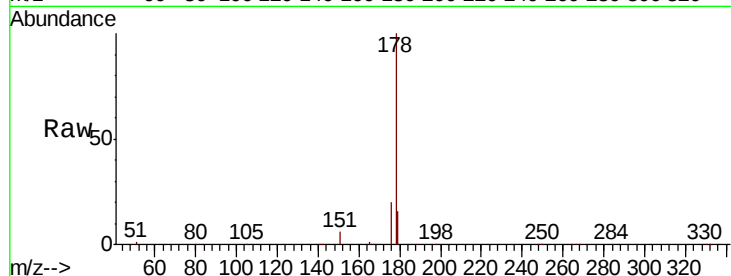
Tgt Ion:178 Resp: 1241534

Ion Ratio Lower Upper

178 100

176 20.5 15.9 23.9

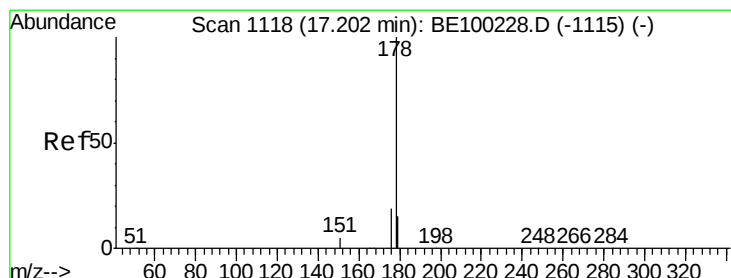
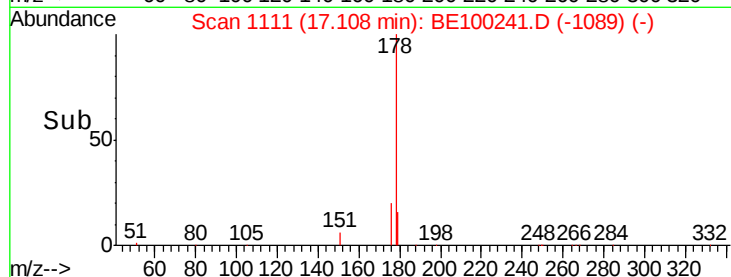
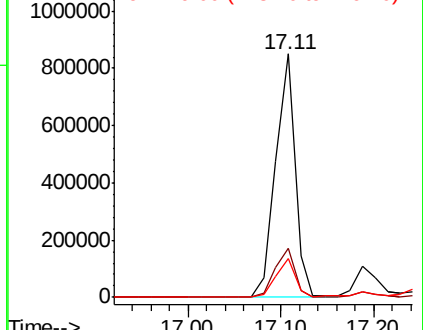
179 16.1 12.2 18.2



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



#24

Anthracene

Concen: 13.661 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

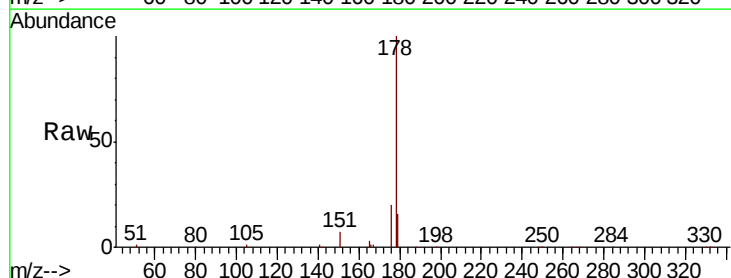
Tgt Ion:178 Resp: 175553

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

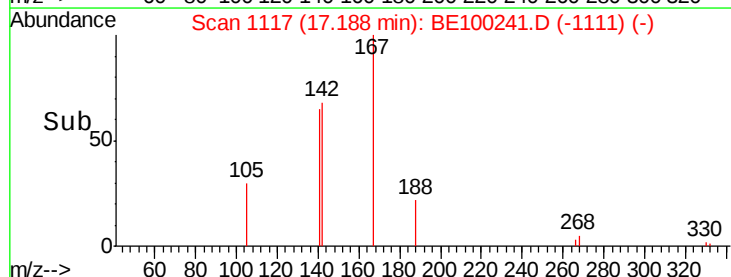
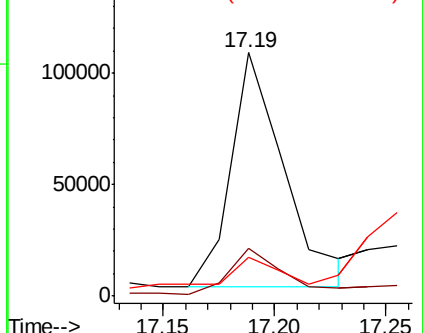
179 8.9 12.2 18.2#

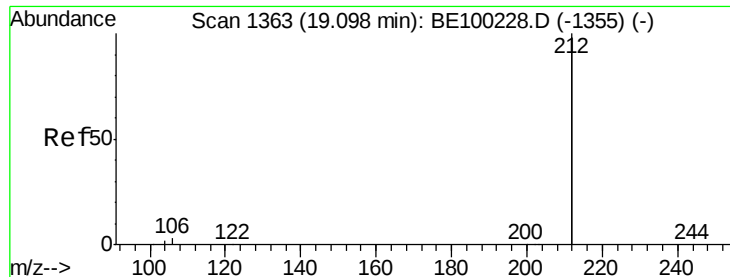


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.406 ng

RT: 19.10 min Scan# 1364

Delta R.T. 0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

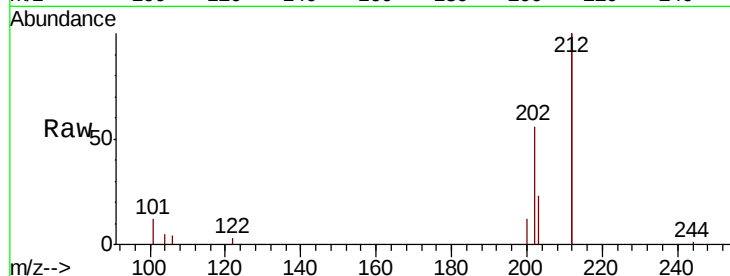
Tgt Ion:212 Resp: 34713

Ion Ratio Lower Upper

212 100

106 1.3 1.3 1.9#

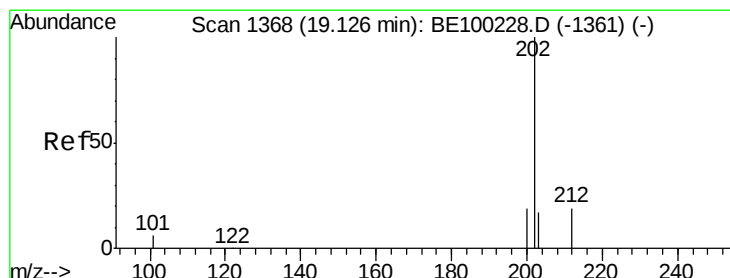
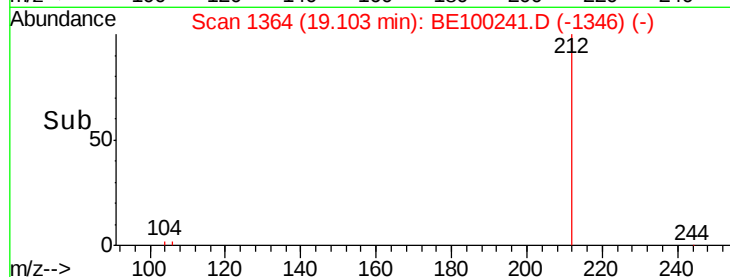
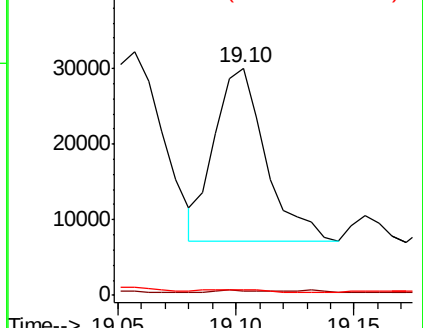
104 1.9 0.8 1.2#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 82.897 ng

RT: 19.14 min Scan# 1370

Delta R.T. 0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

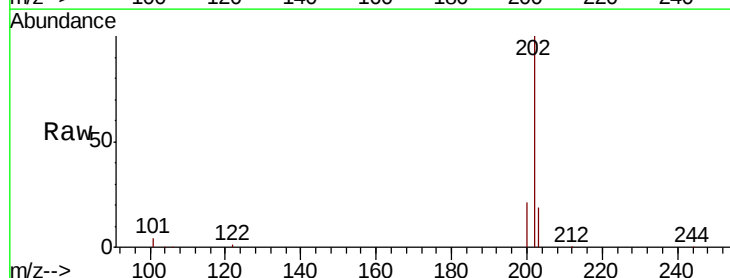
Tgt Ion:202 Resp: 1884303

Ion Ratio Lower Upper

202 100

101 4.6 4.6 7.0#

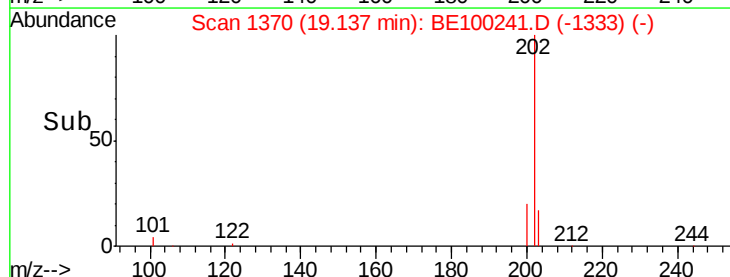
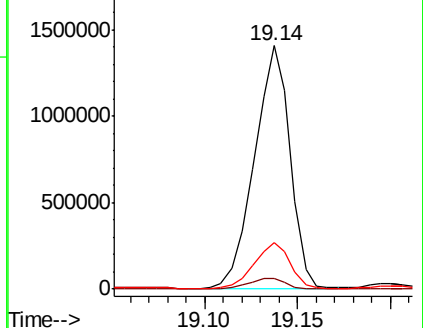
203 19.0 13.7 20.5

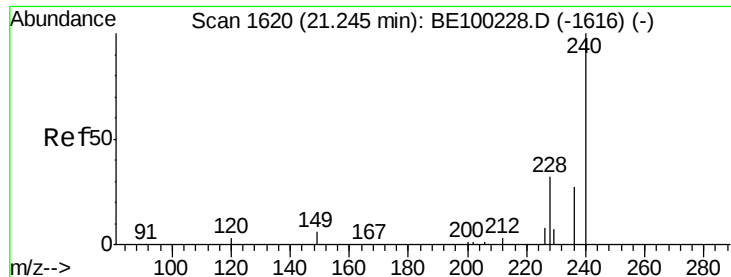


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

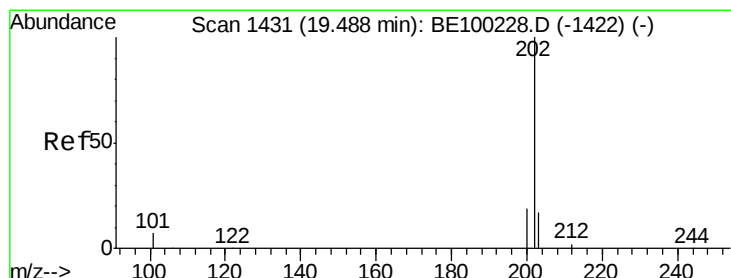
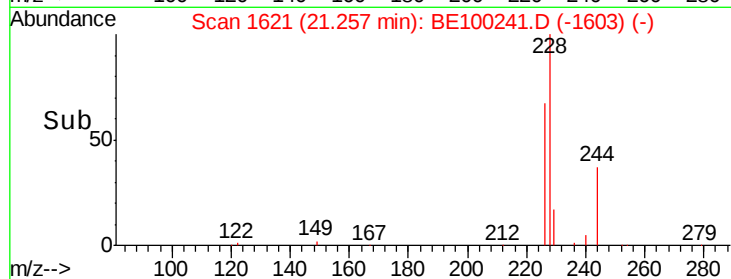
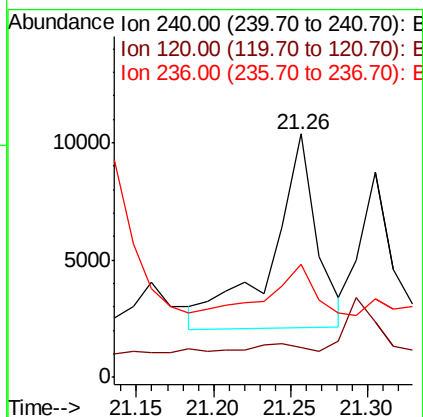
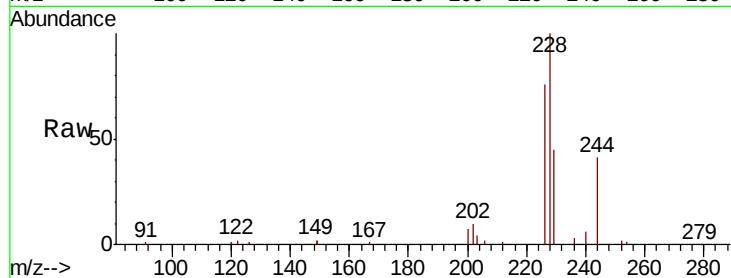




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 1621
Delta R.T. 0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

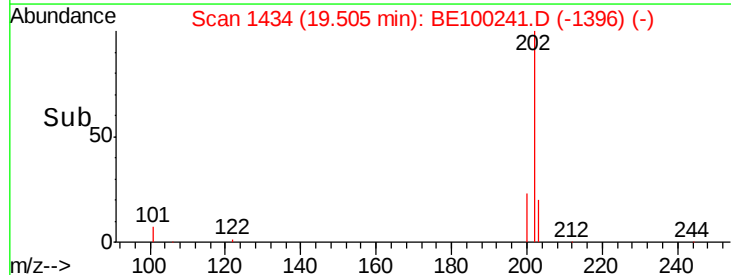
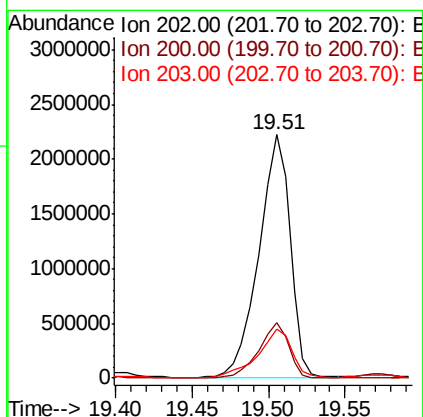
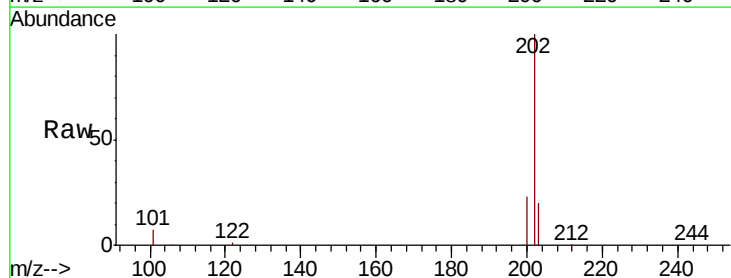
Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

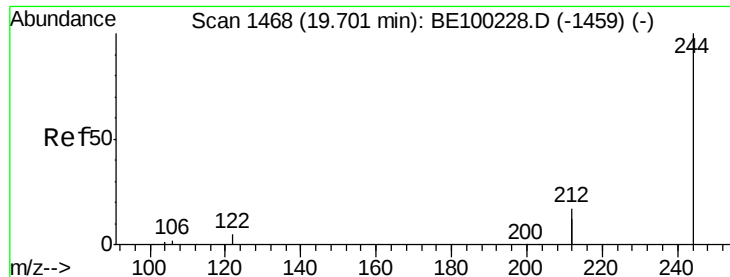
Tgt Ion: 240 Resp: 16819
Ion Ratio Lower Upper
240 100
120 12.2 3.3 4.9#
236 46.5 22.6 34.0#



#28
Pyrene
Concen: 70.007 ng
RT: 19.51 min Scan# 1434
Delta R.T. 0.02 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion: 202 Resp: 3117316
Ion Ratio Lower Upper
202 100
200 21.5 15.6 23.4
203 21.7 14.0 21.0#





#29

Terphenyl-d14

Concen: 0.256 ng

RT: 19.70 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

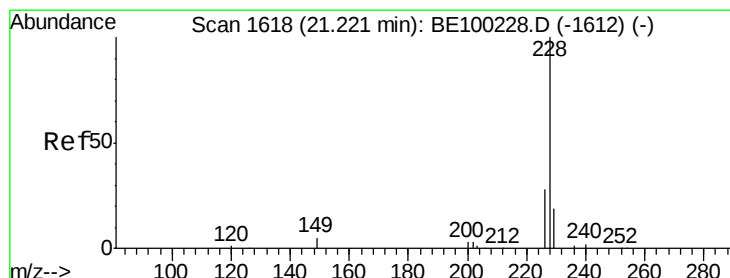
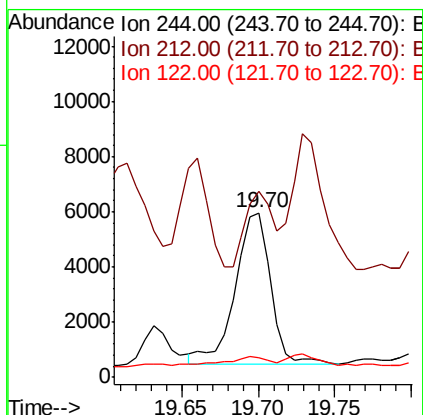
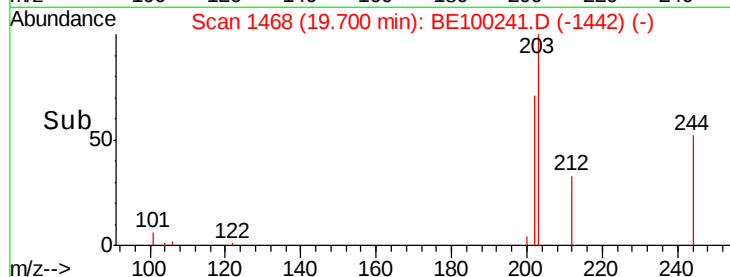
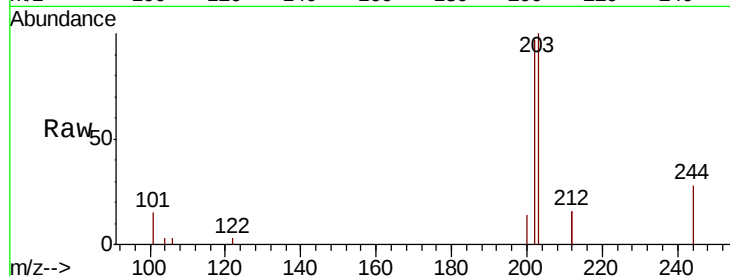
Tgt Ion:244 Resp: 8936

Ion Ratio Lower Upper

244 100

212 113.3 27.3 40.9#

122 11.6 4.7 7.1#



#30

Benzo(a)anthracene

Concen: 28.941 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

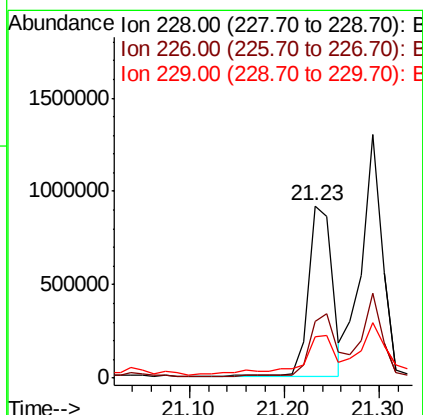
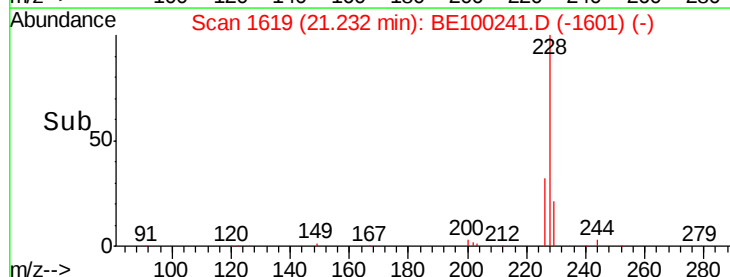
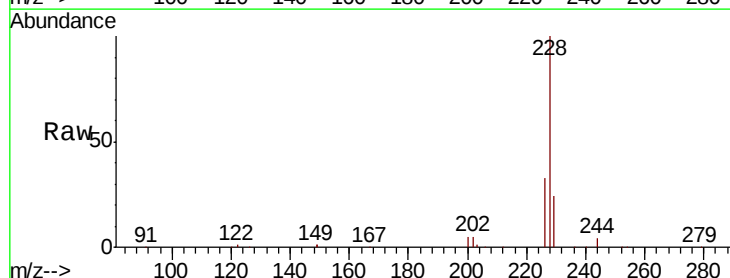
Tgt Ion:228 Resp: 1600460

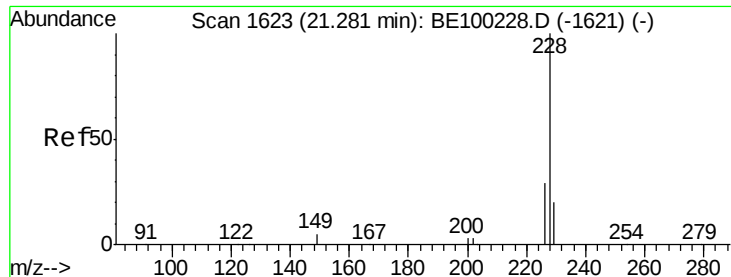
Ion Ratio Lower Upper

228 100

226 33.2 23.2 34.8

229 24.2 15.7 23.5#





#31

Chrysene

Concen: 35.526 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

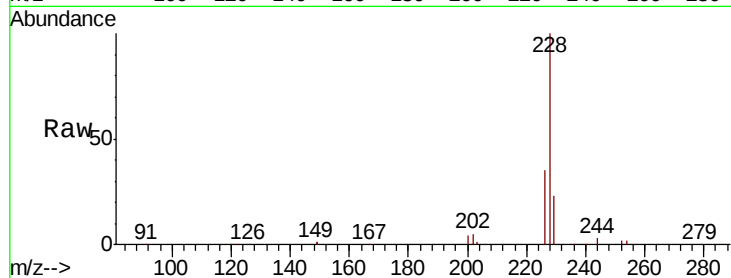
Tgt Ion:228 Resp: 1972767

Ion Ratio Lower Upper

228 100

226 35.0 23.9 35.9

229 22.9 16.5 24.7

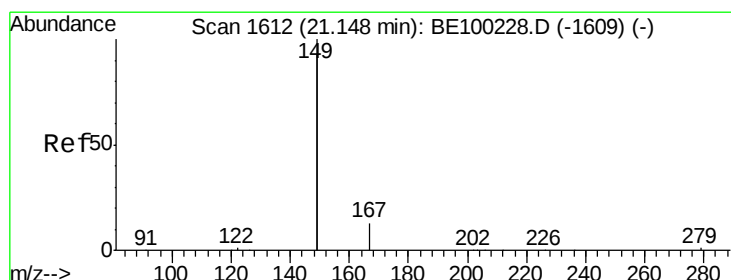
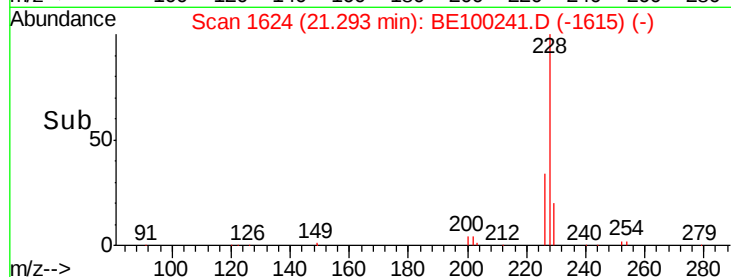
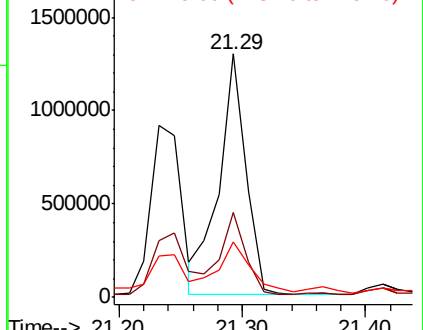


Abundance

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: 0.155 ng

RT: 21.16 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

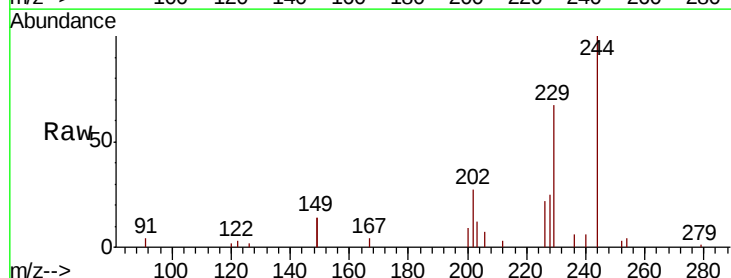
Tgt Ion:149 Resp: 16612

Ion Ratio Lower Upper

149 100

167 11.0 5.8 8.8#

279 1.4 1.1 1.7

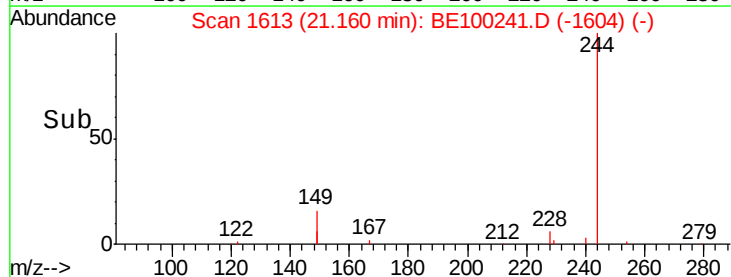
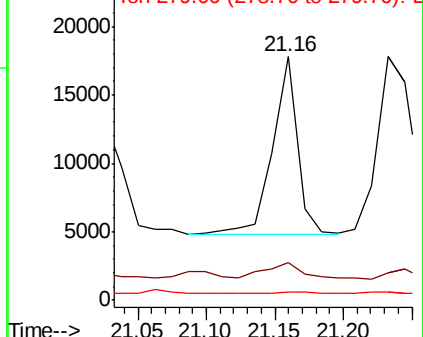


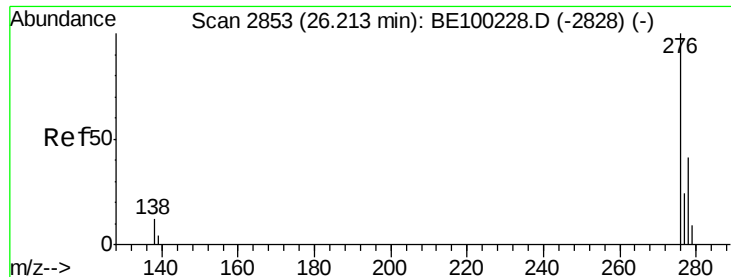
Abundance

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





#33

Indeno(1,2,3-cd)pyrene

Concen: 12.329 ng

RT: 26.27 min Scan# 2869

Delta R.T. 0.06 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

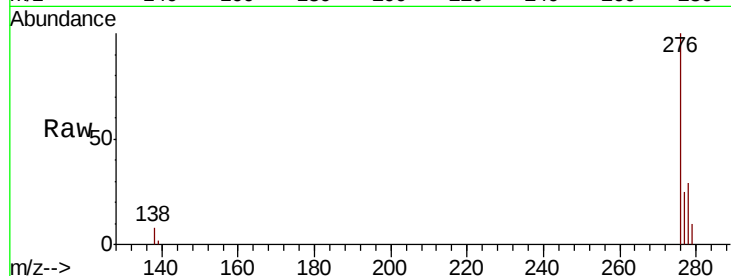
Tgt Ion:276 Resp: 905573

Ion Ratio Lower Upper

276 100

138 8.2 9.4 14.0#

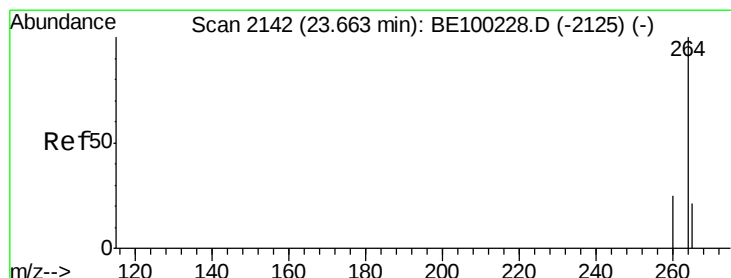
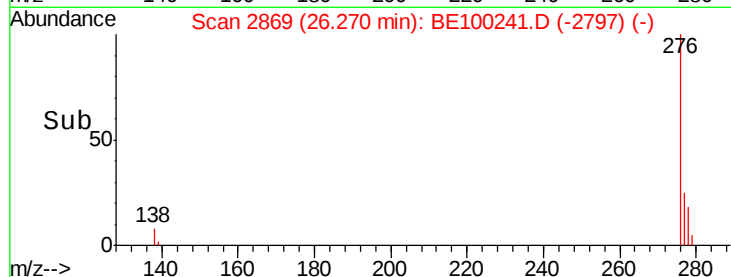
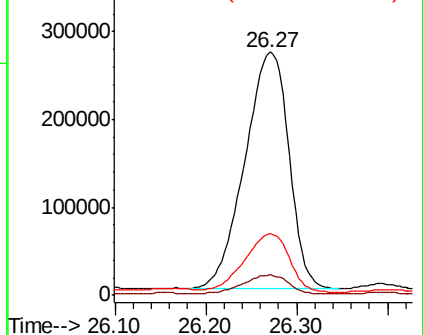
277 25.3 19.2 28.8



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: 23.69 min Scan# 2149

Delta R.T. 0.02 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

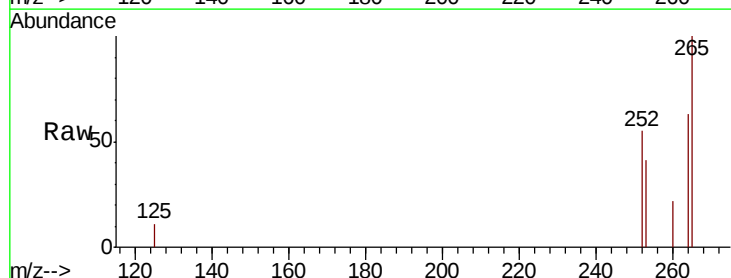
Tgt Ion:264 Resp: 18897

Ion Ratio Lower Upper

264 100

260 34.5 20.8 31.2#

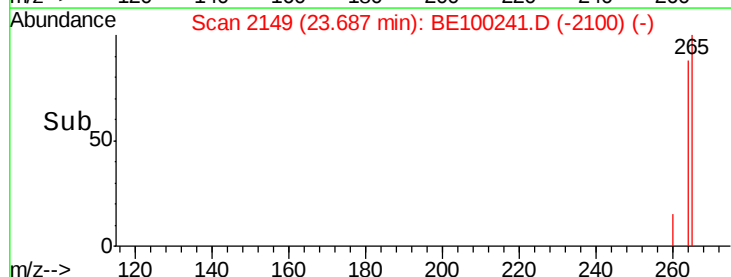
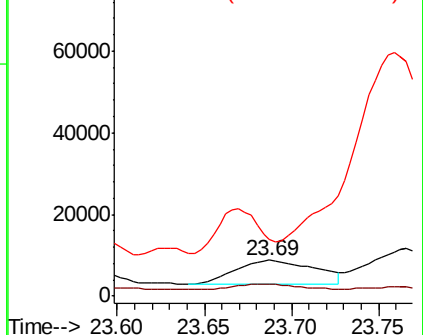
265 158.2 21.8 32.6#

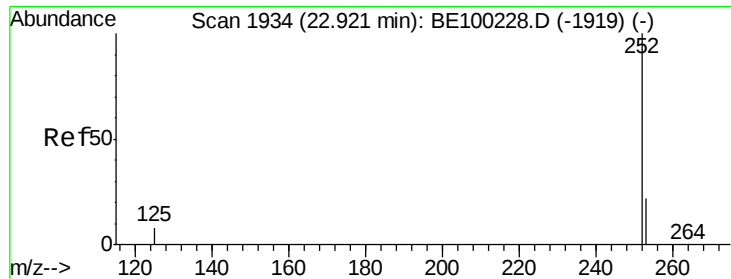


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 29.772 ng

RT: 22.95 min Scan# 1942

Delta R.T. 0.03 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

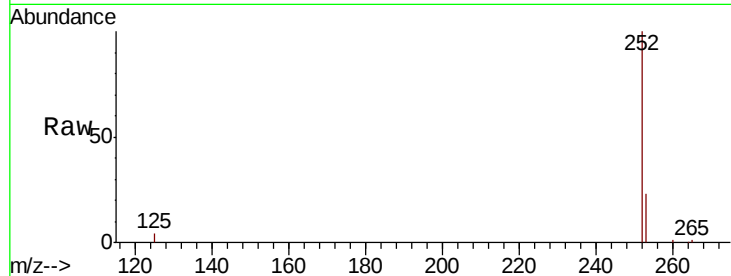
Tgt Ion:252 Resp: 1525357

Ion Ratio Lower Upper

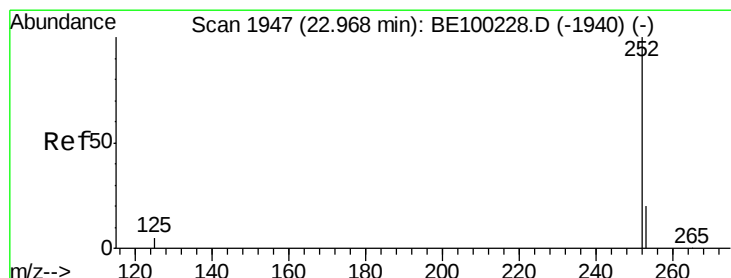
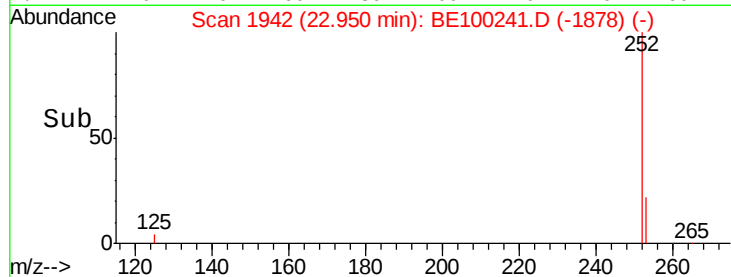
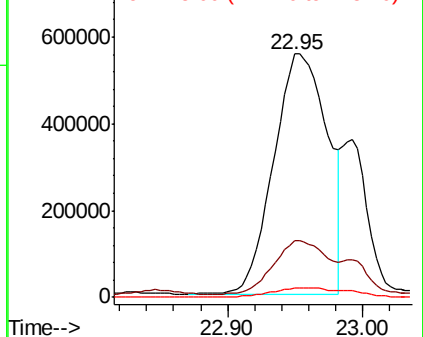
252 100

253 23.2 19.2 28.8

125 3.9 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: 5.569 ng

RT: 23.13 min Scan# 1993

Delta R.T. 0.16 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

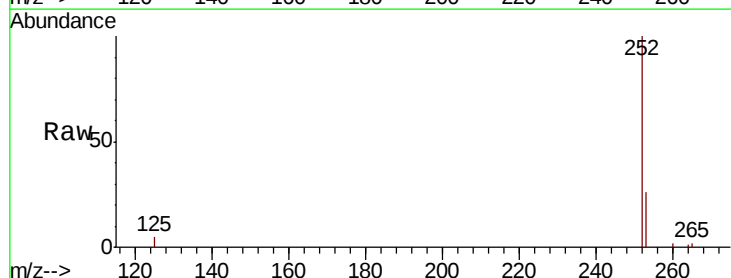
Tgt Ion:252 Resp: 318488

Ion Ratio Lower Upper

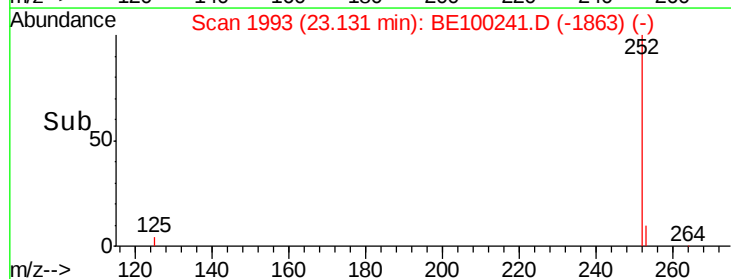
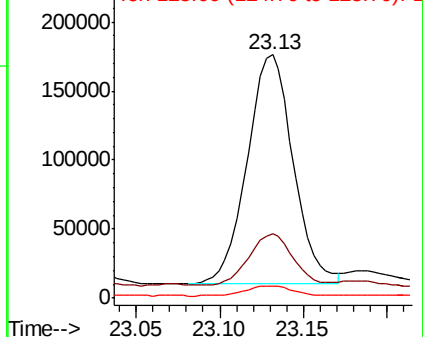
252 100

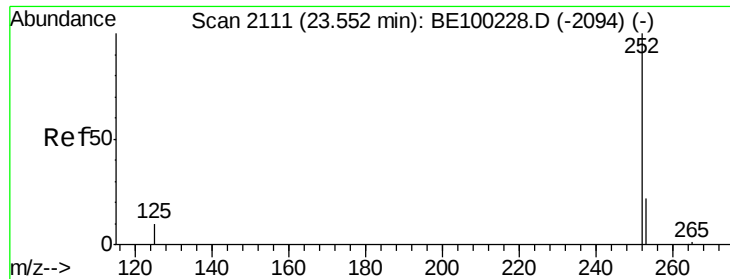
253 26.4 17.9 26.9

125 5.1 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: 27.068 ng

RT: 23.59 min Scan# 2121

Delta R.T. 0.04 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

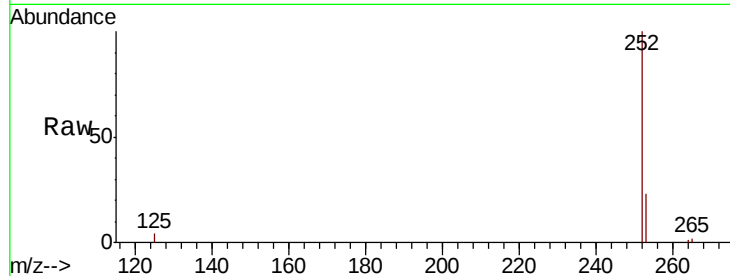
Tgt Ion:252 Resp: 1389929

Ion Ratio Lower Upper

252 100

253 23.2 19.6 29.4

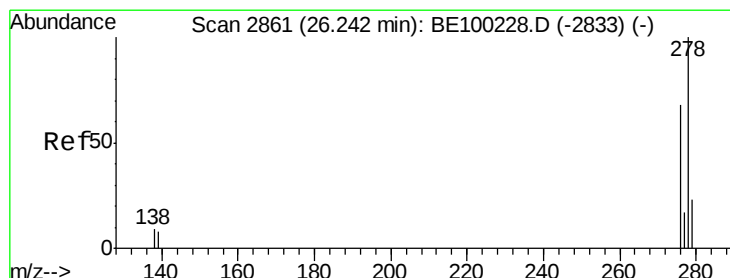
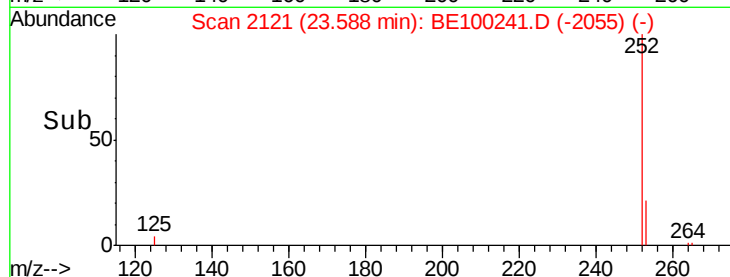
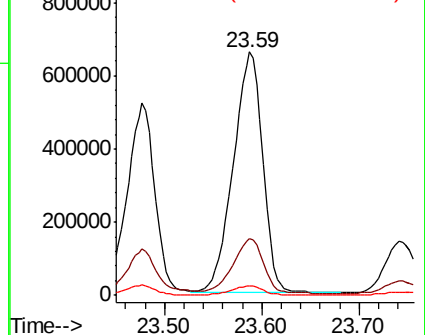
125 3.8 9.0 13.6#



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: 5.188 ng

RT: 26.28 min Scan# 2871

Delta R.T. 0.04 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

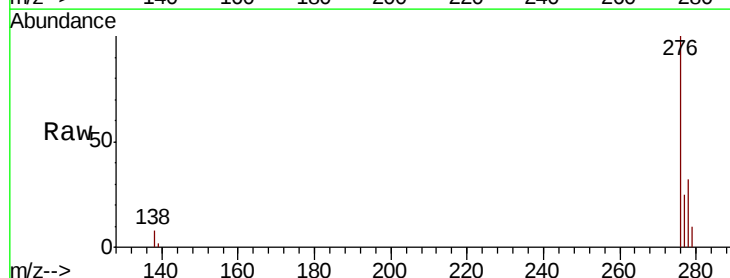
Tgt Ion:278 Resp: 278208

Ion Ratio Lower Upper

278 100

139 7.3 8.2 12.2#

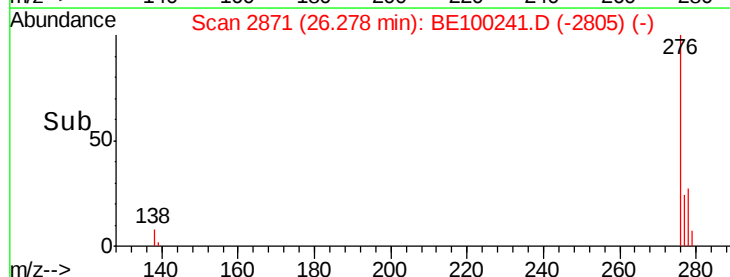
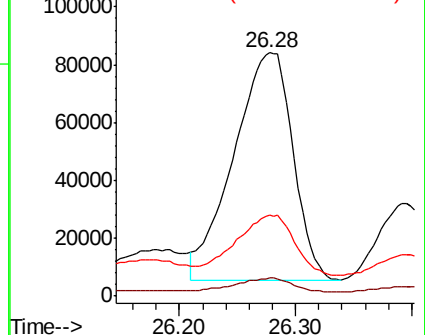
279 33.0 20.3 30.5#

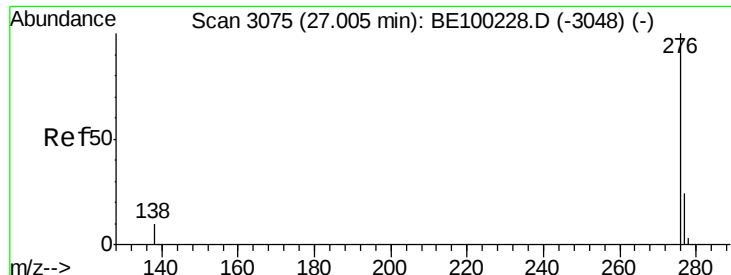


Abundance Ion 278.00 (277.70 to 278.70): E

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: 19.609 ng

RT: 27.08 min Scan# 3095

Delta R.T. 0.07 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW167-061319

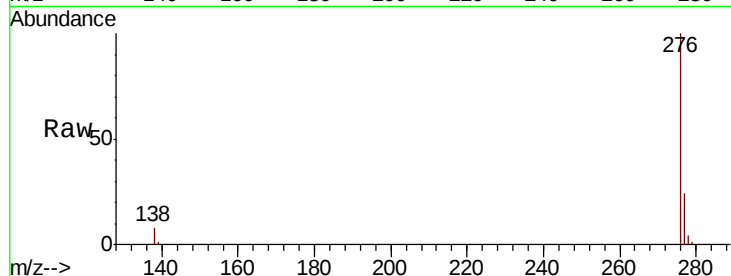
Tgt Ion:276 Resp: 1080298

Ion Ratio Lower Upper

276 100

277 24.5 20.2 30.2

138 8.3 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

