

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101519\
 Data File : BE100644.D
 Acq On : 15 Oct 2019 11:03
 Operator : JU
 Sample : K4994-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 15 11:51:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 10 14:01:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	6123	0.40	ng	-0.01
7) Naphthalene-d8	10.64	136	29118	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	28641	0.40	ng	-0.01
19) Phenanthrene-d10	17.21	188	42649	0.40	ng	0.01
27) Chrysene-d12	21.39	240	44923	0.40	ng	0.02
34) Perylene-d12	23.88	264	53352	0.40	ng	0.04

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	4836	0.26	ng	0.00
5) Phenol-d6	7.01	99	7361	0.28	ng	0.00
8) Nitrobenzene-d5	8.99	82	6272	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	11464	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	2114	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14949	0.14	ng	-0.01
25) Fluoranthene-d10	19.21	212	82883	0.15	ng	-0.02
29) Terphenyl-d14	19.83	244	39104	0.40	ng	0.00

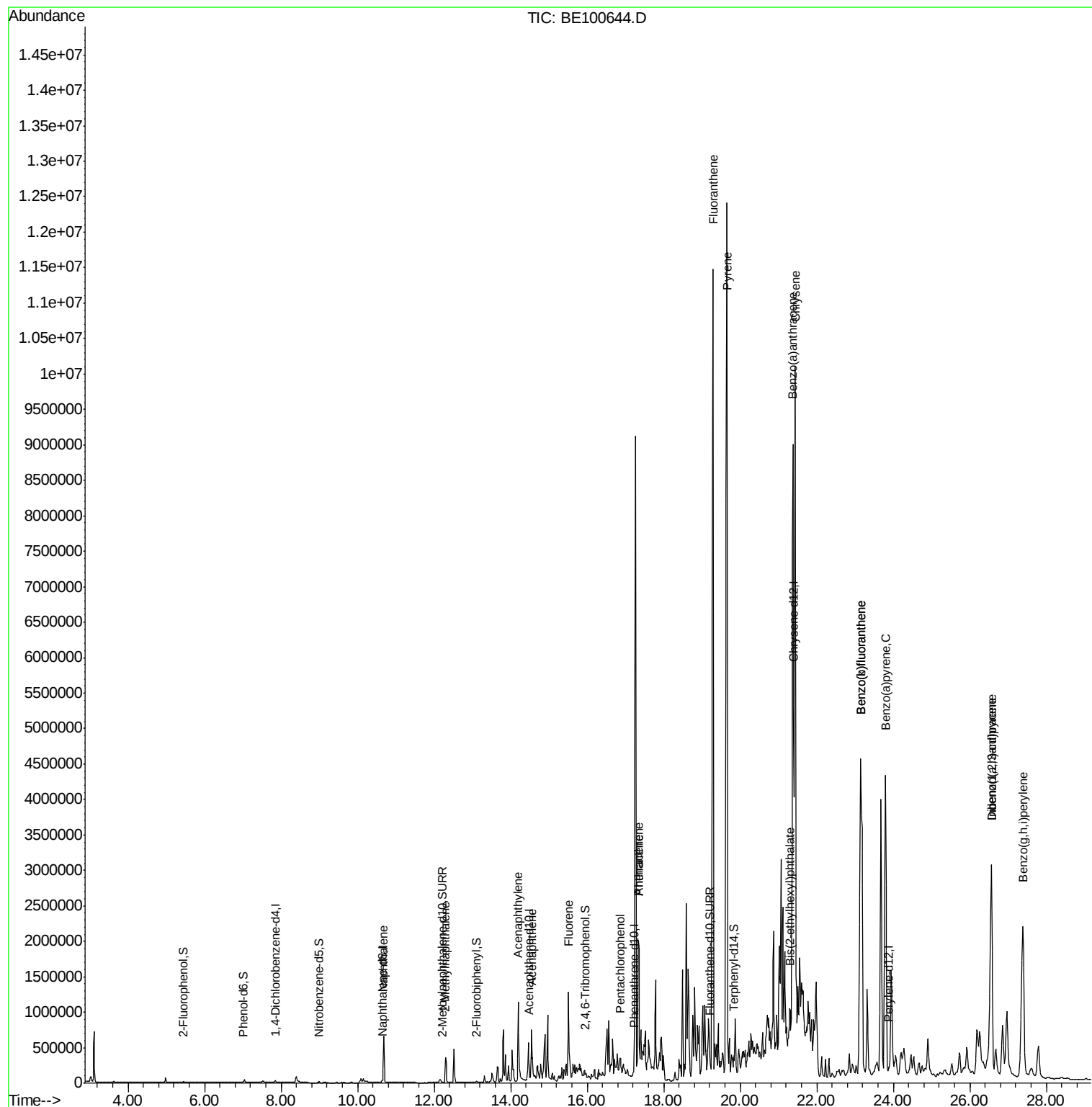
Target Compounds				Qvalue		
9) Naphthalene	10.68	128	1176542	3.843	ng	99
12) 2-Methylnaphthalene	12.30	142	269850	5.170	ng	93
16) Acenaphthylene	14.20	152	1384829	11.237	ng	97
17) Acenaphthene	14.54	154	373069	4.684	ng	92
18) Fluorene	15.51	166	904353	8.549	ng	# 89
22) Pentachlorophenol	16.87	266	227	0.034	ng	# 51
23) Phenanthrene	17.33	178	2622362	22.354	ng	97
24) Anthracene	17.33	178	2523628	23.185	ng	98
26) Fluoranthene	19.29	202	12666304	82.728	ng	# 75
28) Pvrene	19.65	202	14869980	118.478	ng	# 61
30) Benzo(a)anthracene	21.38	228	10547337	71.975	ng	# 68
31) Chrysene	21.44	228	9479625	64.730	ng	# 68
32) Bis(2-ethylhexyl)phthalate	21.31	149	158313	0.517	ng	# 65
33) Indeno(1,2,3-cd)pyrene	26.57	276	6500057	36.113	ng	96
35) Benzo(b)fluoranthene	23.15	252	11357700	73.008	ng	# 91
36) Benzo(k)fluoranthene	23.15	252	11357700	70.987	ng	# 91
37) Benzo(a)pvrene	23.80	252	8871472	61.263	ng	93
38) Dibenzo(a,h)anthracene	26.57	278	1875778	12.532	ng	# 92
39) Benzo(g,h,i)perylene	27.39	276	6878308	45.693	ng	97

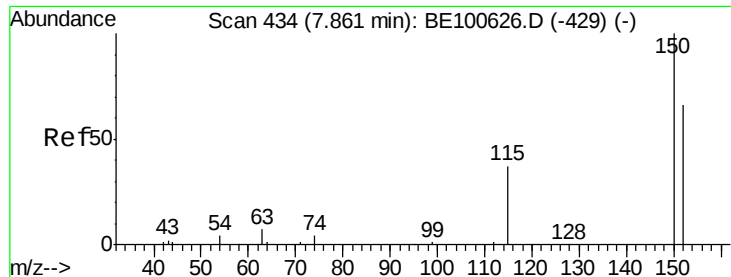
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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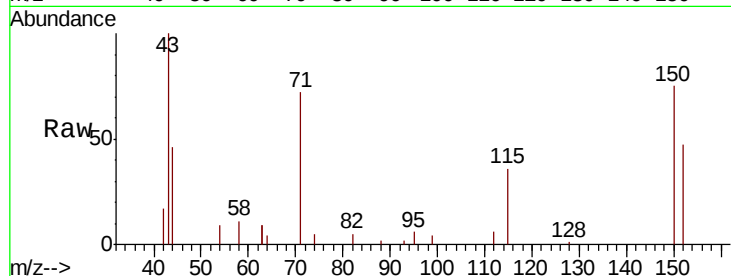


#1

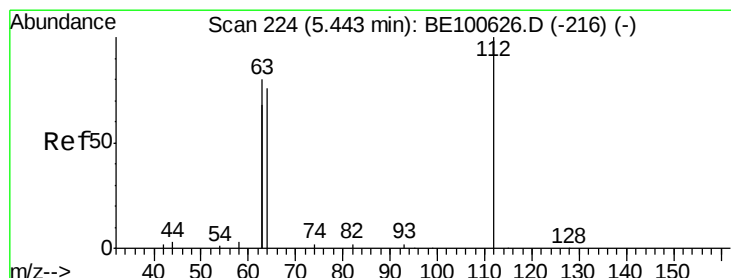
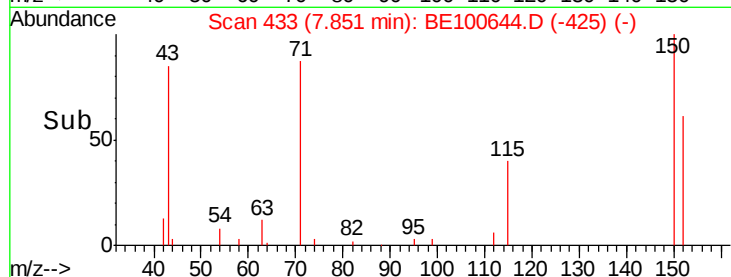
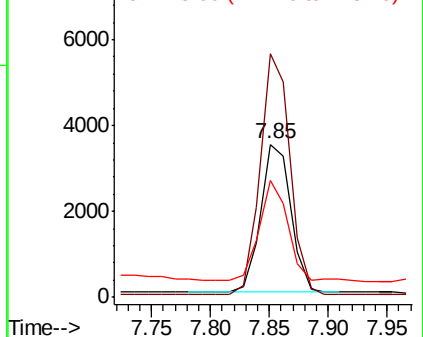
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE100644.D
Acq: 15 Oct 2019 11:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 6123
Ion Ratio Lower Upper
152 100
150 159.3 120.7 181.1
115 76.5 48.0 72.0#



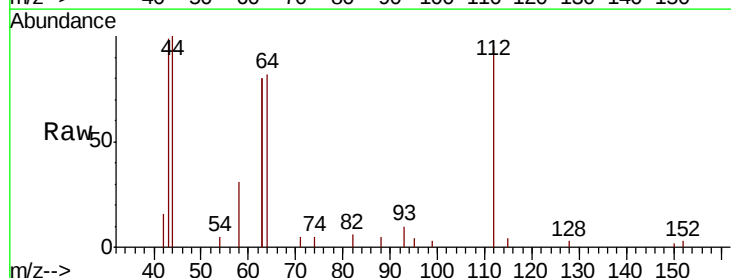
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



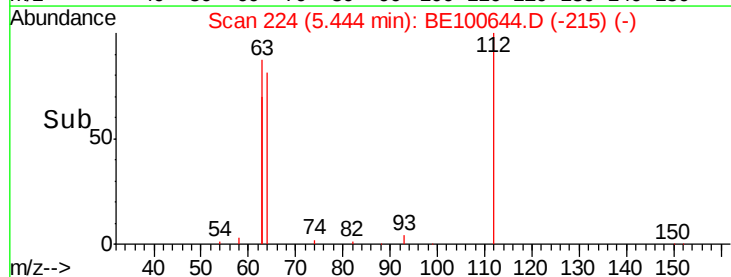
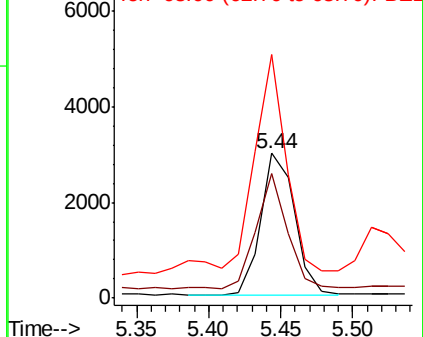
#4

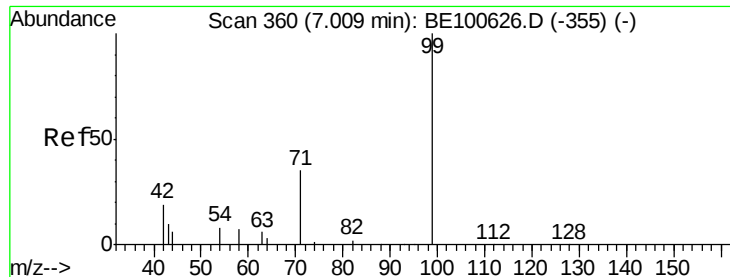
2-Fluorophenol
Concen: 0.256 ng
RT: 5.44 min Scan# 224
Delta R.T. 0.00 min
Lab File: BE100644.D
Acq: 15 Oct 2019 11:03

Tgt Ion:112 Resp: 4836
Ion Ratio Lower Upper
112 100
64 73.1 58.9 88.3
63 154.6 118.3 177.5



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: 0.276 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

ClientSampleId :

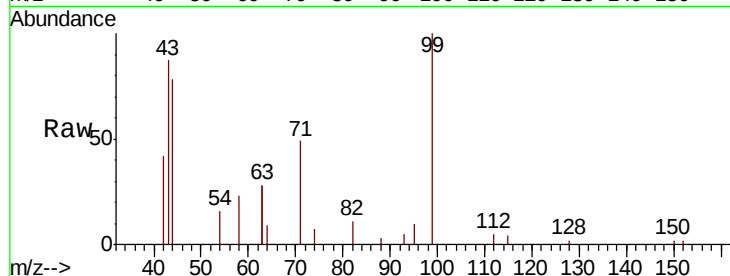
Tot Ion: 99 Resp: 7361

Ion Ratio Lower Upper

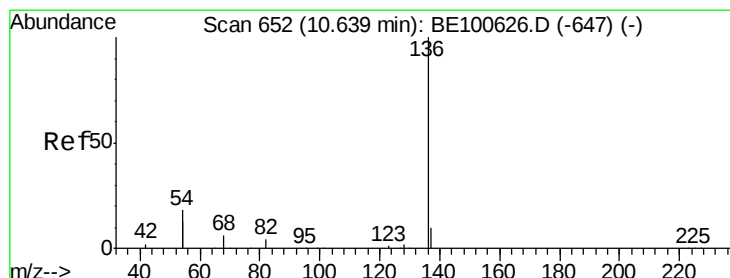
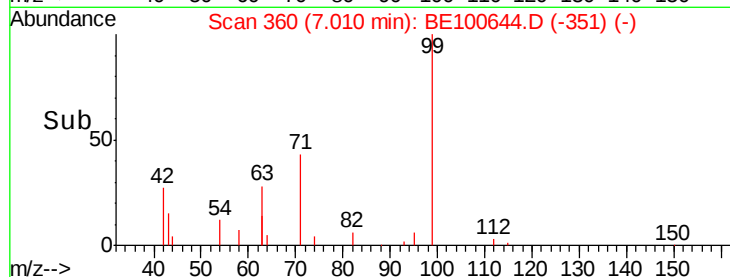
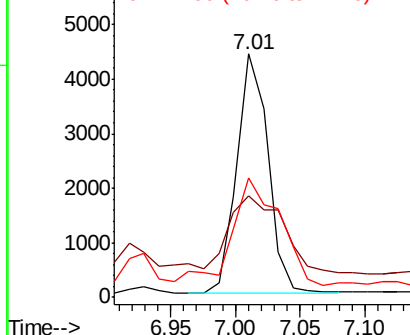
99 100

42 59.0 19.4 29.2#

71 65.5 26.9 40.3#



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: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Tgt Ion: 136 Resp: 29118

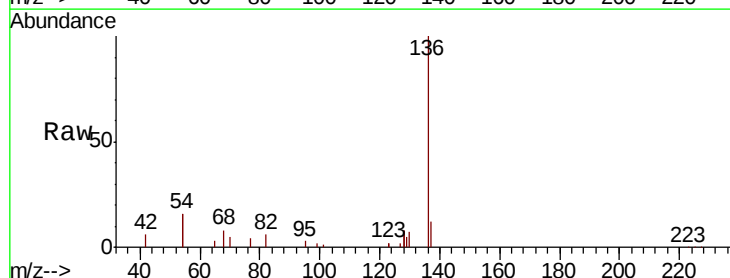
Ion Ratio Lower Upper

136 100

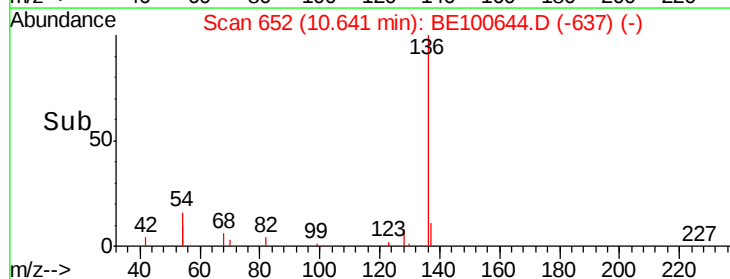
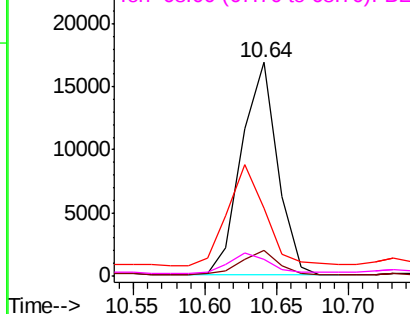
137 12.0 8.6 13.0

54 31.5 28.7 43.1

68 7.6 5.9 8.9



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

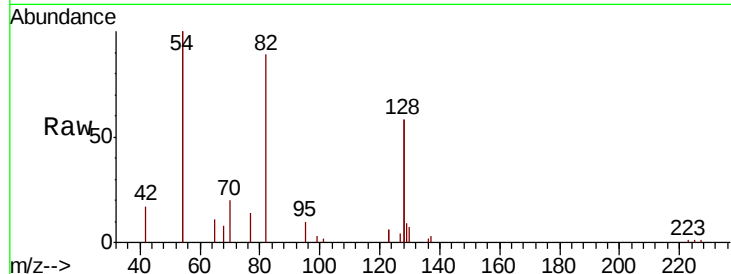




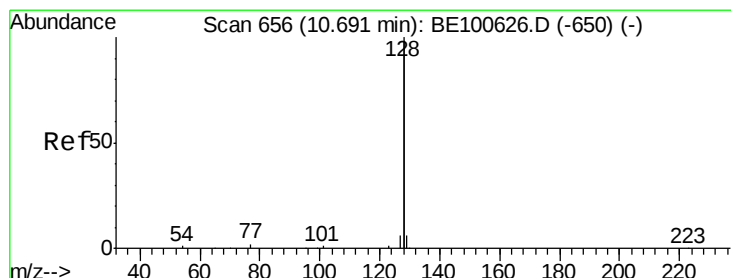
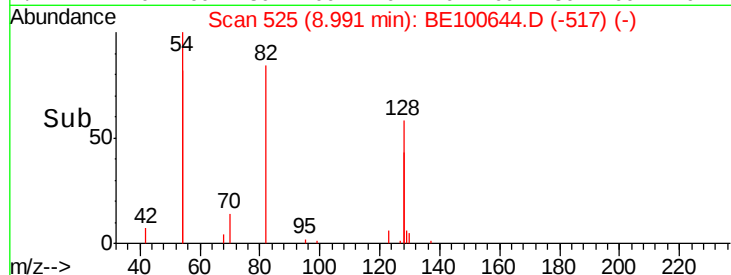
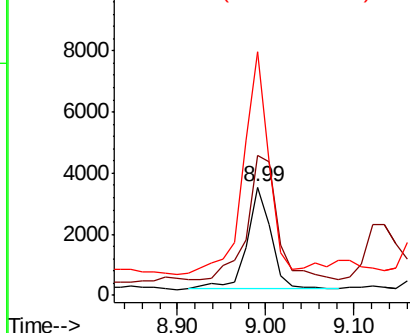
#8
 Nitrobenzene-d5
 Concen: 0.348 ng
 RT: 8.99 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: BE100644.D
 Acq: 15 Oct 2019 11:03

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 82 Resp: 6272
 Ion Ratio Lower Upper
 82 100
 128 129.3 90.7 136.1
 54 224.5 210.9 316.3

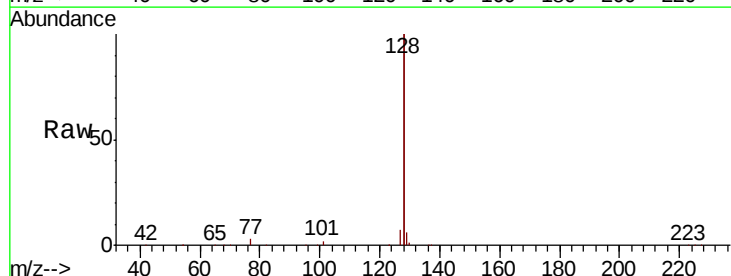


Abundance Ion 82.00 (81.70 to 82.70): BE1
 Ion 128.00 (127.70 to 128.70): BE1
 Ion 54.00 (53.70 to 54.70): BE1

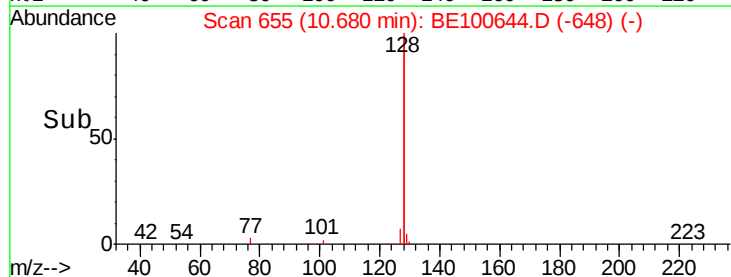
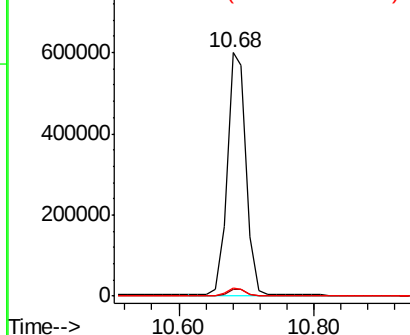


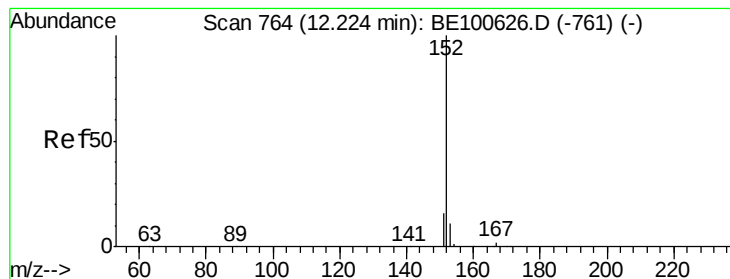
#9
 Naphthalene
 Concen: 3.843 ng
 RT: 10.68 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: BE100644.D
 Acq: 15 Oct 2019 11:03

Tgt Ion: 128 Resp: 1176542
 Ion Ratio Lower Upper
 128 100
 129 2.8 2.4 3.6
 127 3.4 2.6 3.8



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: 0.250 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

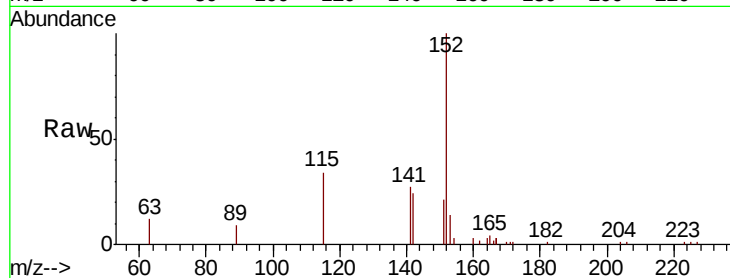
ClientSampleId :

Tot Ion:152 Resp: 11464

Ion Ratio Lower Upper

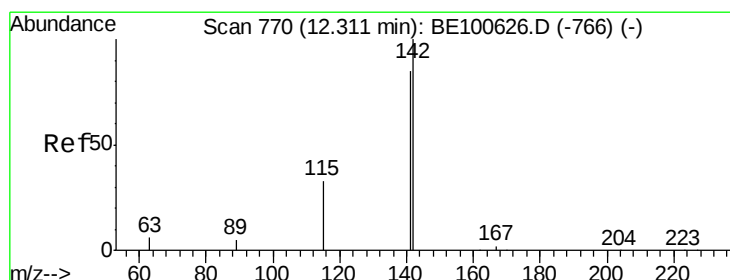
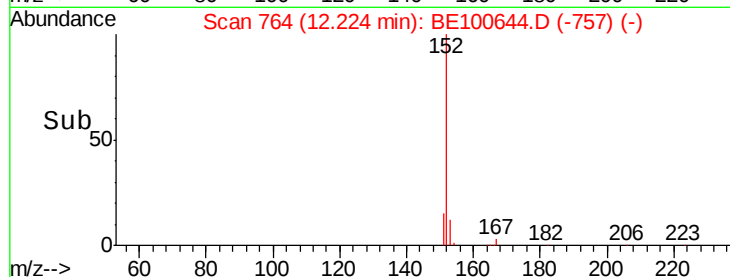
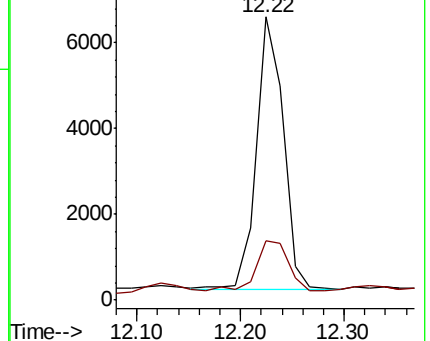
152 100

151 22.1 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 5.170 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.01 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

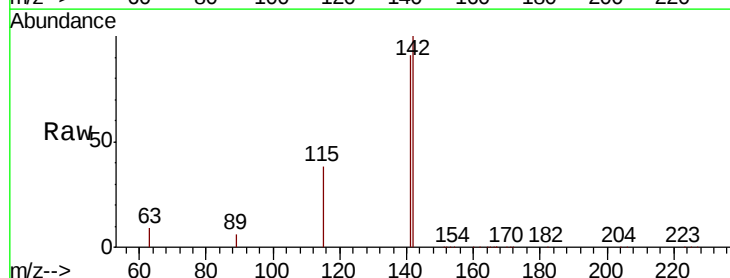
Tgt Ion:142 Resp: 269850

Ion Ratio Lower Upper

142 100

141 91.3 68.3 102.5

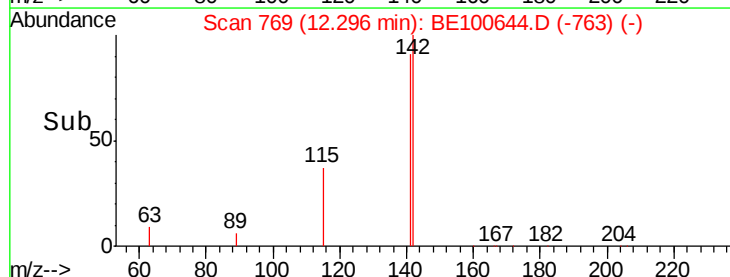
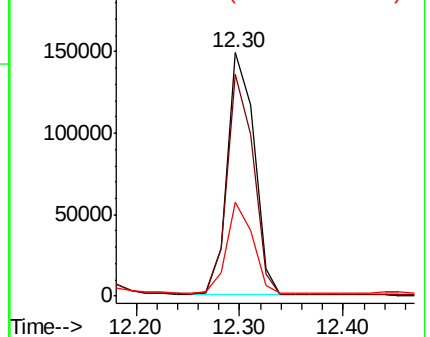
115 38.4 27.5 41.3

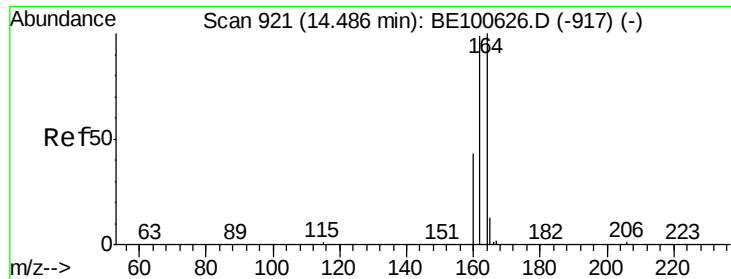


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

ClientSampleId :

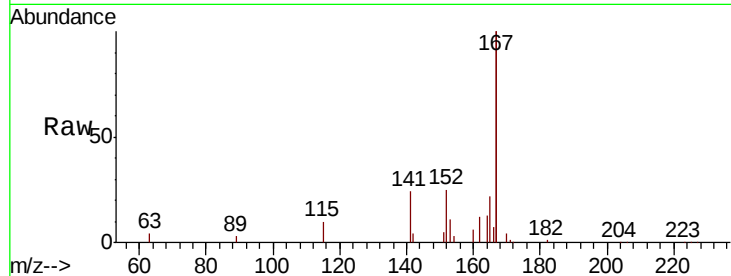
Tot Ion:164 Resp: 28641

Ion Ratio Lower Upper

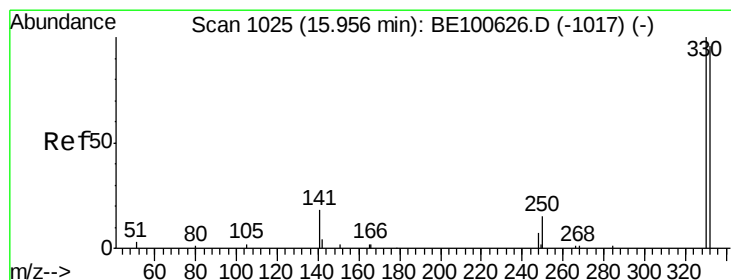
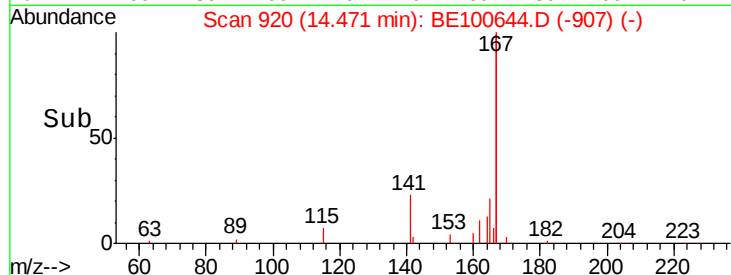
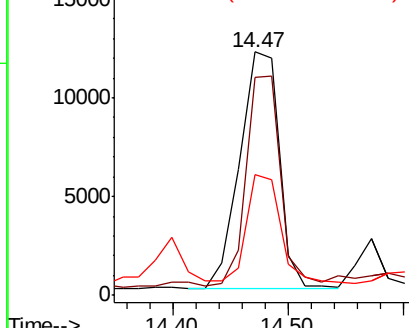
164 100

162 89.5 79.1 118.7

160 49.4 34.7 52.1



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: 15.96 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

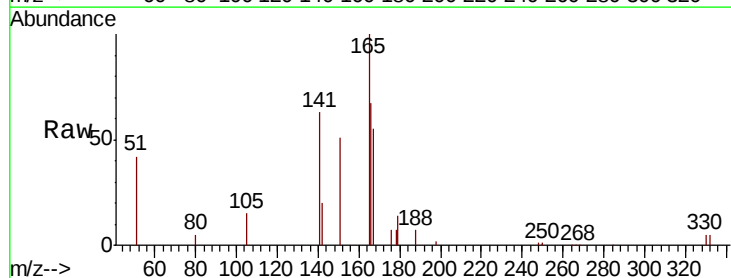
Tgt Ion:330 Resp: 2114

Ion Ratio Lower Upper

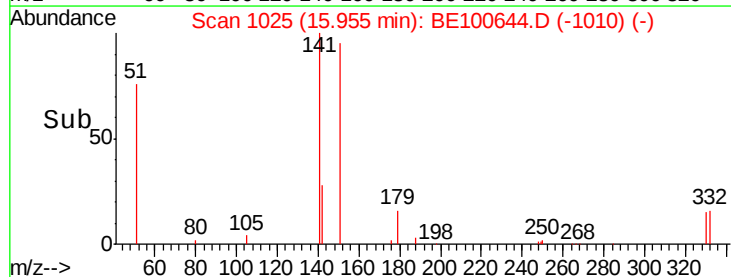
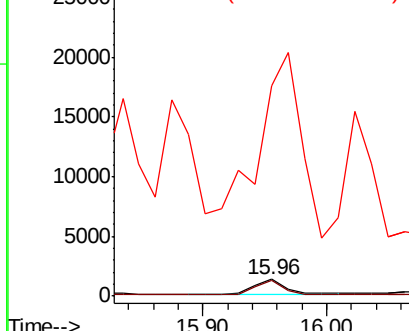
330 100

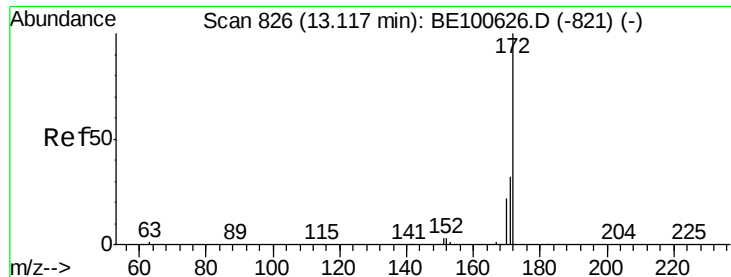
332 88.8 75.2 112.8

141 1721.8 37.5 56.3#



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

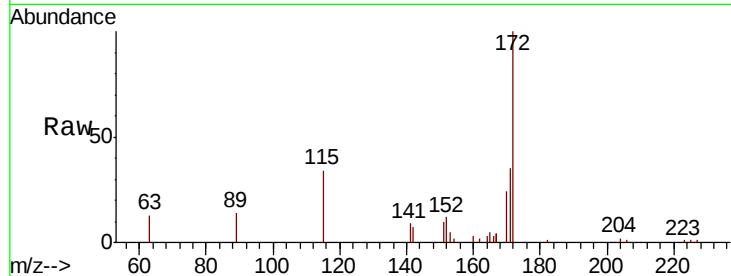




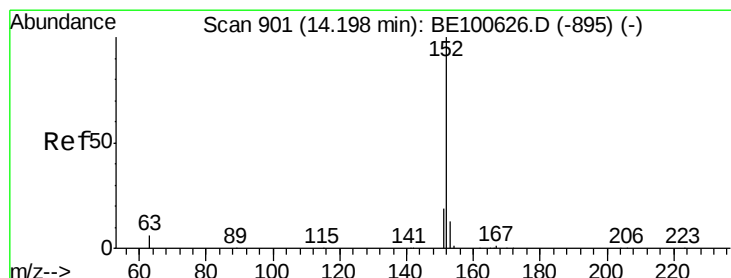
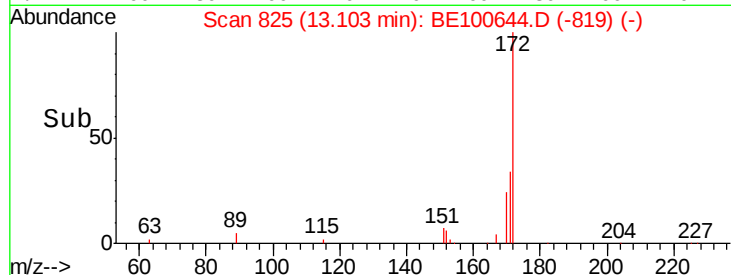
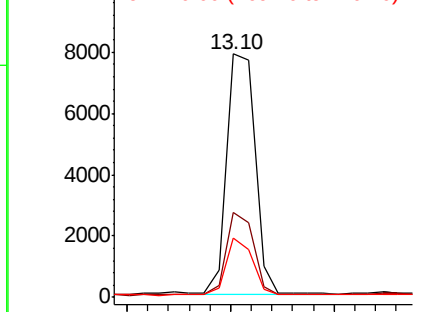
#15
2-Fluorobiphenyl
Concen: 0.143 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE100644.D
Acq: 15 Oct 2019 11:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 14949
Ion Ratio Lower Upper
172 100
171 34.9 26.2 39.4
170 24.5 17.5 26.3

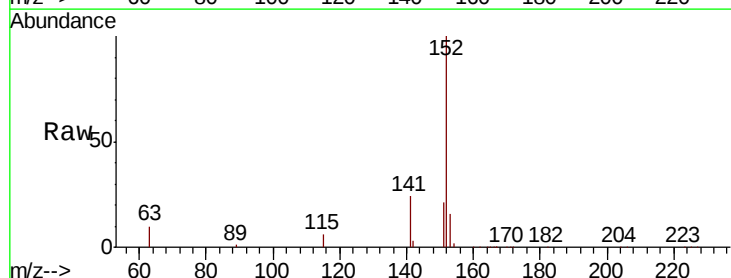


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

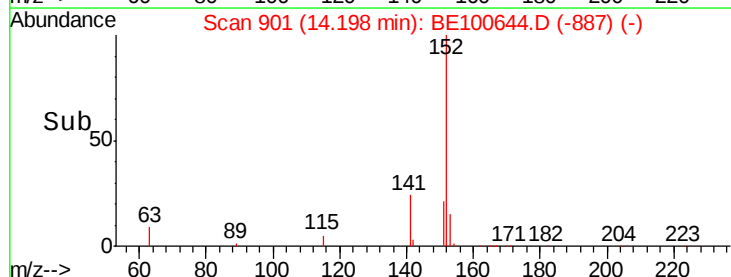
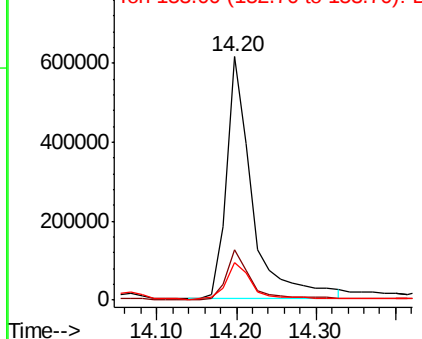


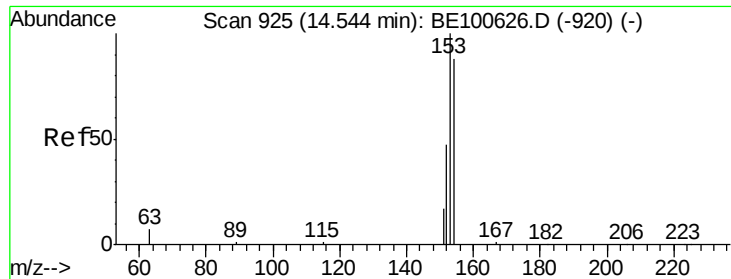
#16
Acenaphthylene
Concen: 11.237 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100644.D
Acq: 15 Oct 2019 11:03

Tgt Ion:152 Resp: 1384829
Ion Ratio Lower Upper
152 100
151 20.3 15.6 23.4
153 15.3 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

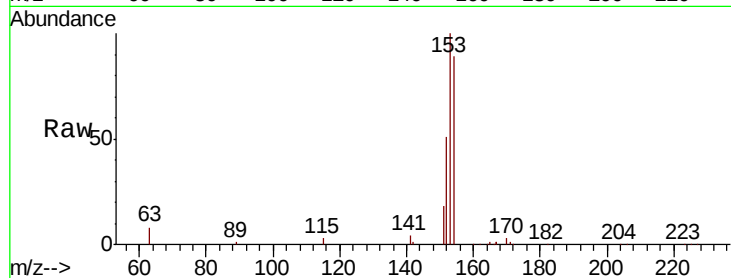




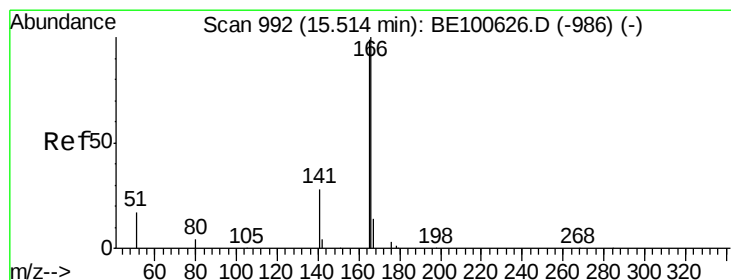
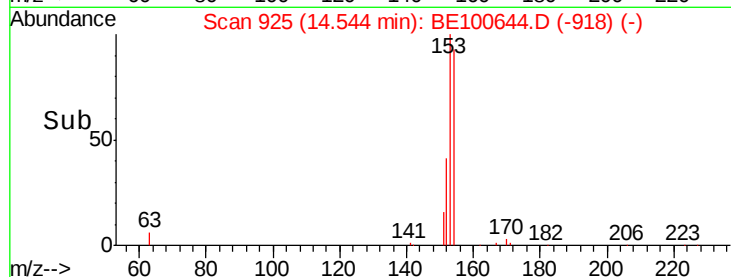
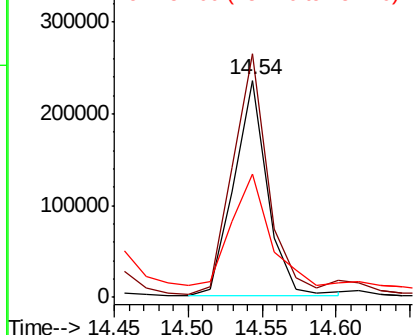
#17
Acenaphthene
Concen: 4.684 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100644.D
Acq: 15 Oct 2019 11:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 373069
Ion Ratio Lower Upper
154 100
153 123.9 91.4 137.2
152 58.7 44.0 66.0

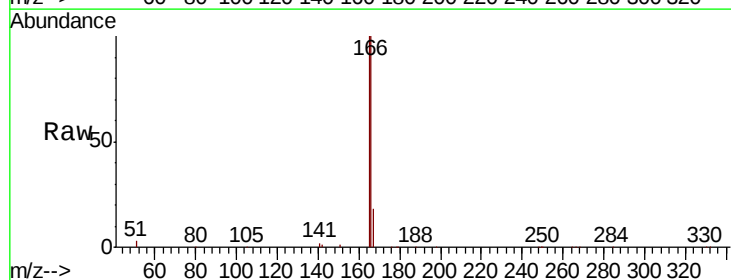


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

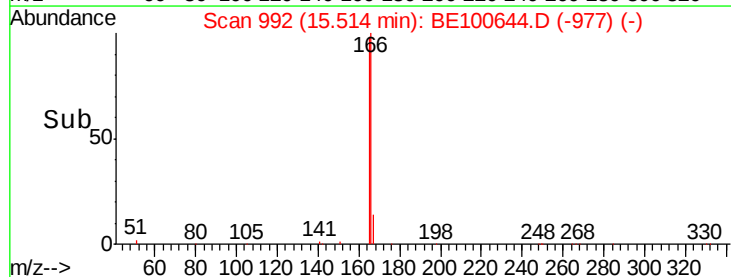
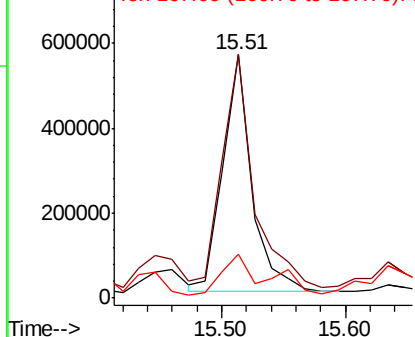


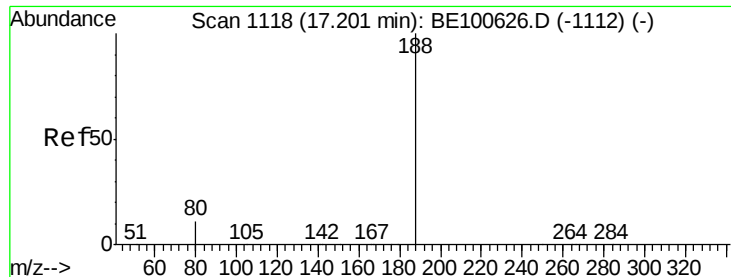
#18
Fluorene
Concen: 8.549 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE100644.D
Acq: 15 Oct 2019 11:03

Tgt Ion:166 Resp: 904353
Ion Ratio Lower Upper
166 100
165 107.2 78.9 118.3
167 26.4 10.9 16.3#



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: 17.21 min Scan# 1119

Delta R.T. 0.01 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

ClientSampleId :

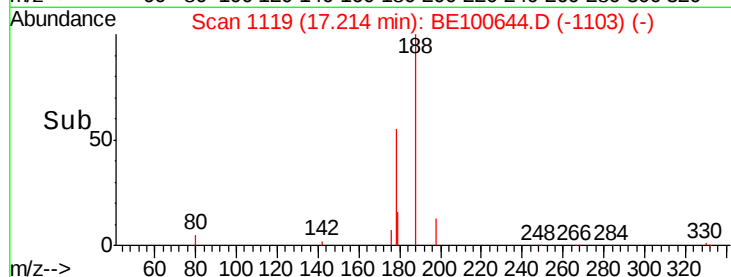
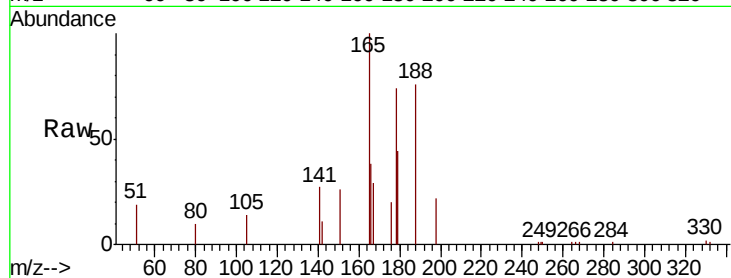
Tot Ion:188 Resp: 42649

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

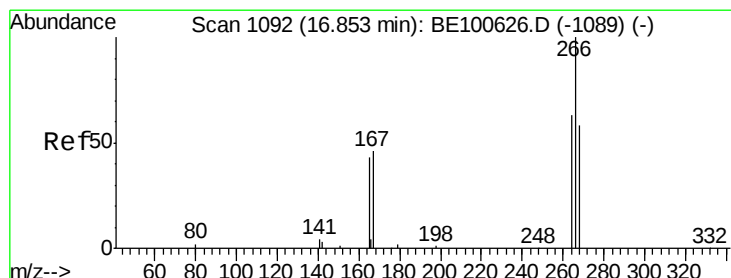
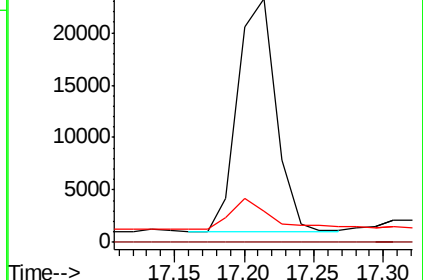
80 12.6 9.4 14.2



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: 0.034 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.01 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

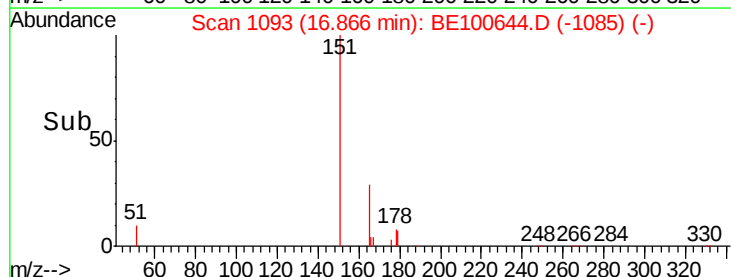
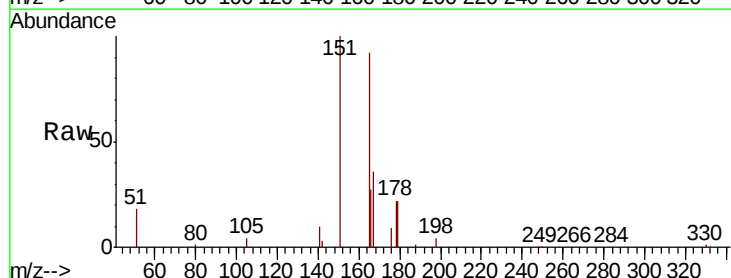
Tgt Ion:266 Resp: 227

Ion Ratio Lower Upper

266 100

264 127.1 50.7 76.1#

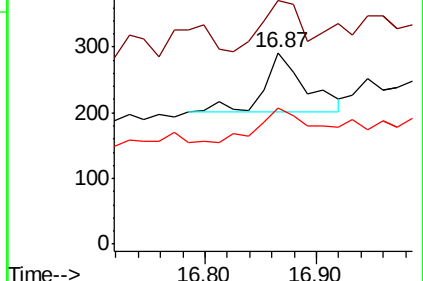
268 71.2 48.5 72.7

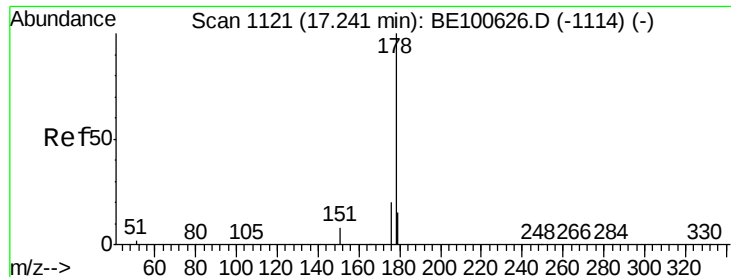


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

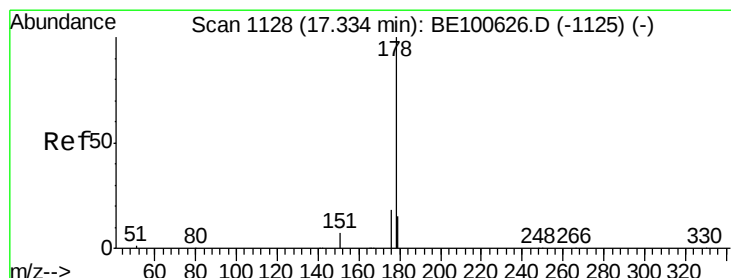
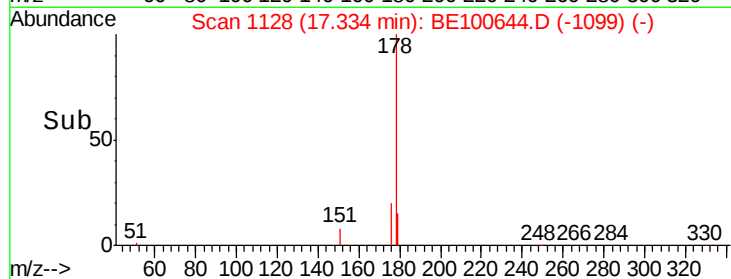
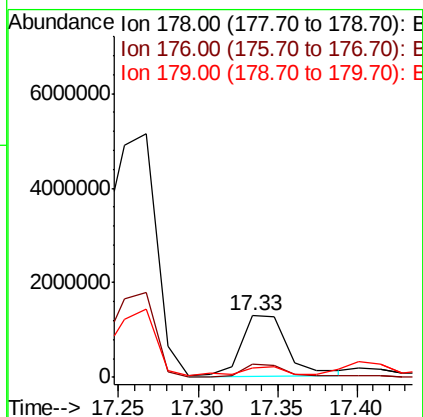
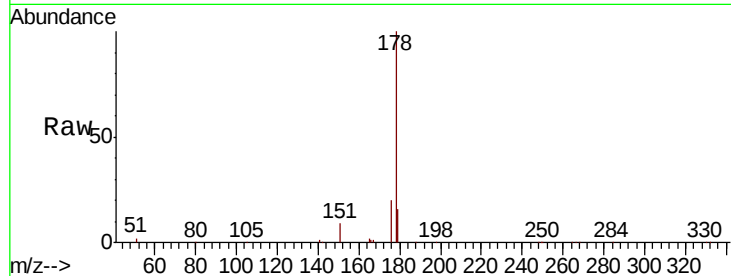




#23
Phenanthrene
Concen: 22.354 ng
RT: 17.33 min Scan# 1128
Delta R.T. 0.09 min
Lab File: BE100644.D
Acq: 15 Oct 2019 11:03

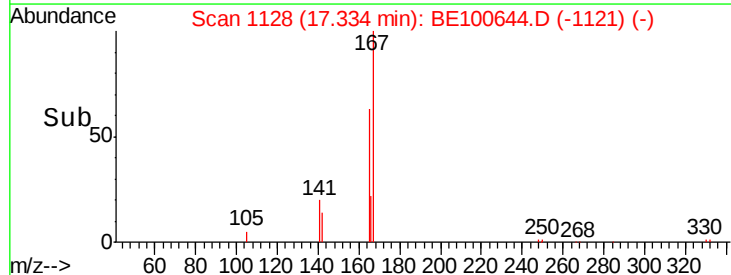
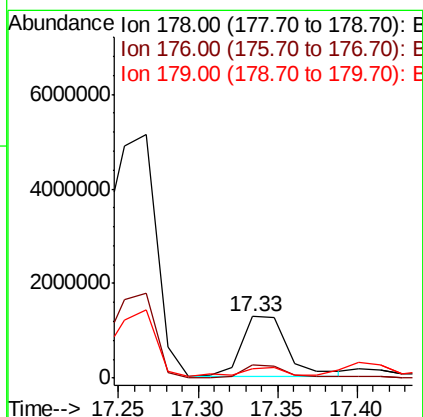
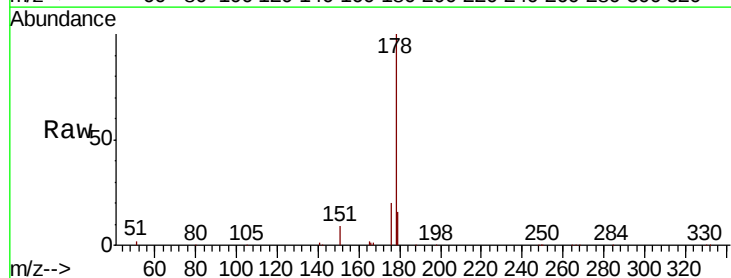
Instrument :
BNA_E
ClientSampleId :

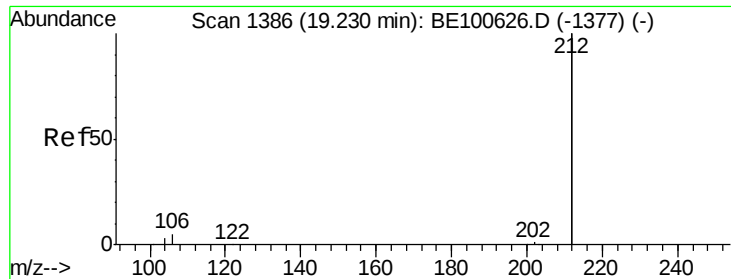
Tot Ion:178 Resp: 2622362
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 17.9 12.4 18.6



#24
Anthracene
Concen: 23.185 ng
RT: 17.33 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BE100644.D
Acq: 15 Oct 2019 11:03

Tgt Ion:178 Resp: 2523628
Ion Ratio Lower Upper
178 100
176 19.3 14.5 21.7
179 14.8 12.4 18.6





#25

Fluoranthene-d10

Concen: 0.151 ng

RT: 19.21 min Scan# 1383

Delta R.T. -0.02 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

ClientSampleId :

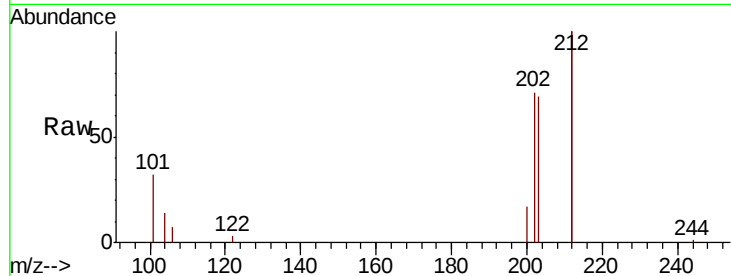
Tot Ion:212 Resp: 82883

Ion Ratio Lower Upper

212 100

106 2.9 2.2 3.4

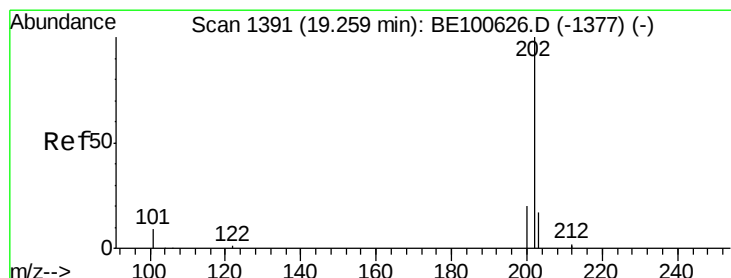
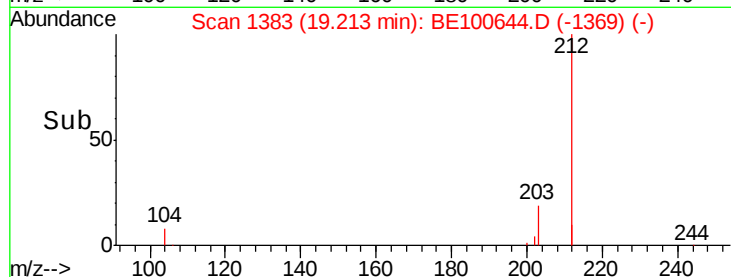
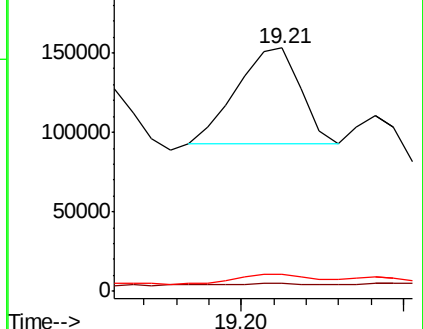
104 11.9 1.3 1.9#



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: 82.728 ng

RT: 19.29 min Scan# 1396

Delta R.T. 0.03 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

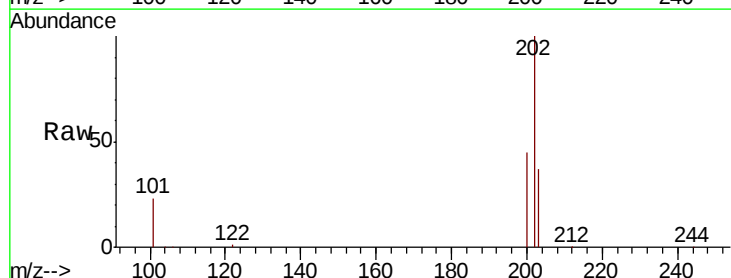
Tgt Ion:202 Resp:12666304

Ion Ratio Lower Upper

202 100

101 18.8 8.4 12.6#

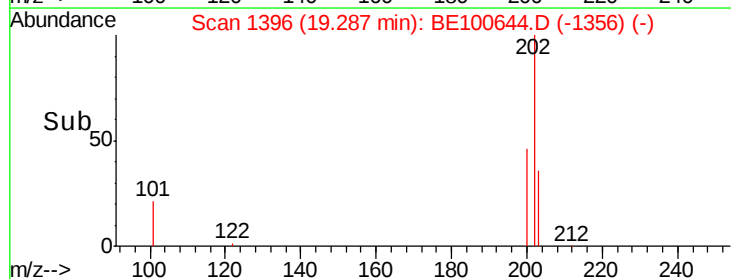
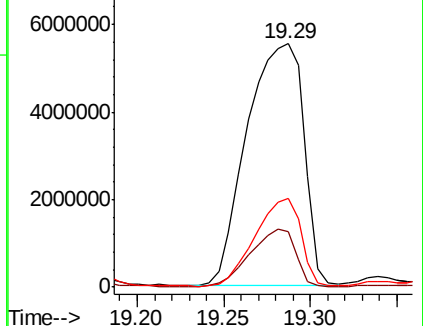
203 29.1 13.8 20.6#

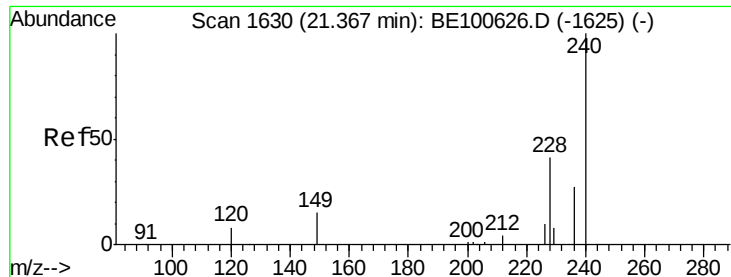


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.39 min Scan# 1632

Delta R.T. 0.02 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

ClientSampleId :

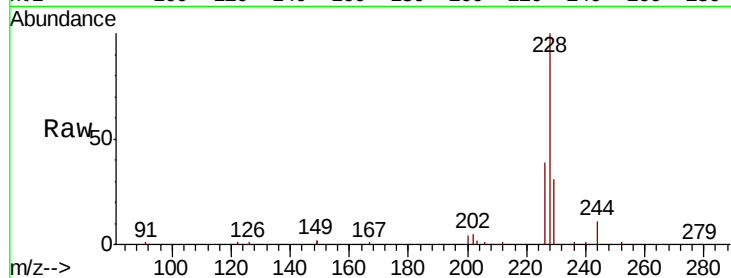
Tot Ion:240 Resp: 44923

Ion Ratio Lower Upper

240 100

120 34.0 7.4 11.0#

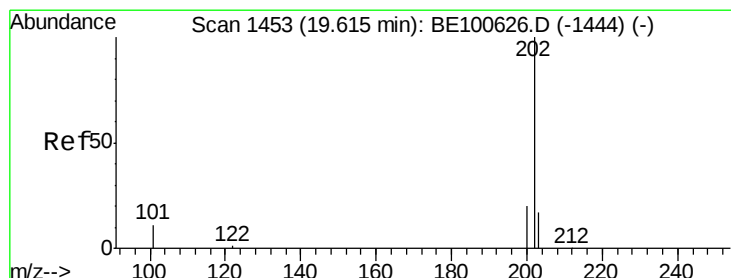
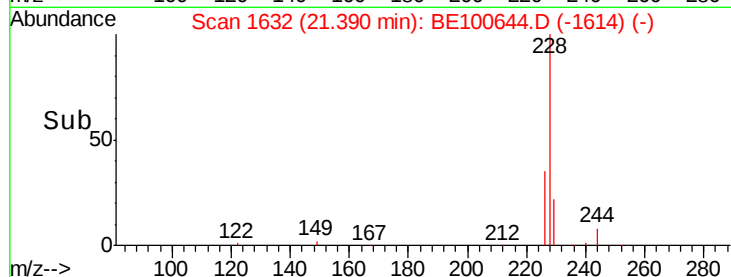
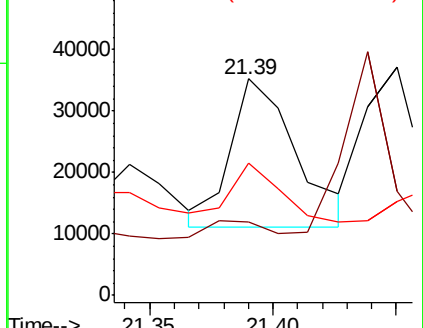
236 61.3 21.7 32.5#



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: 118.478 ng

RT: 19.65 min Scan# 1459

Delta R.T. 0.03 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

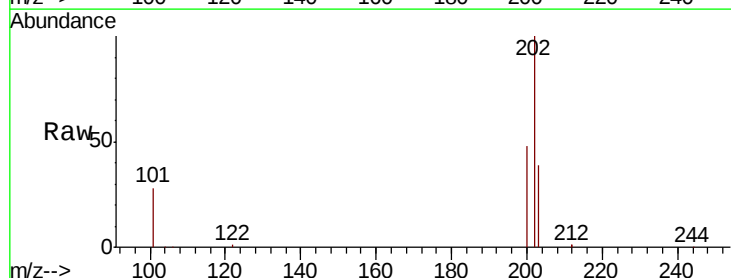
Tgt Ion:202 Resp:14869980

Ion Ratio Lower Upper

202 100

200 37.8 16.6 24.8#

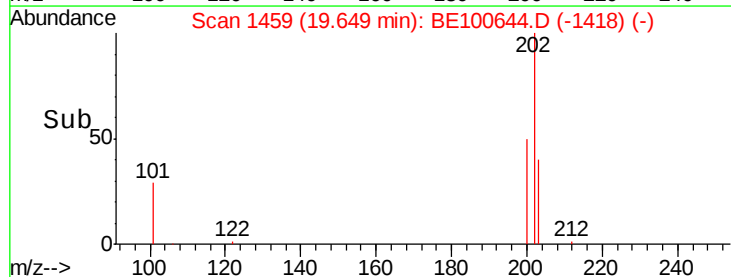
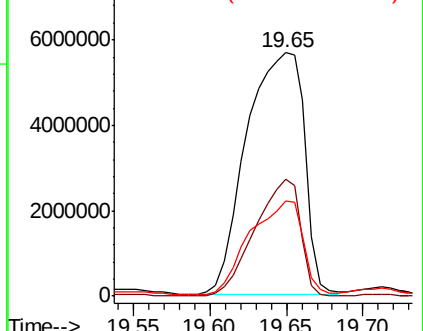
203 35.7 13.9 20.9#

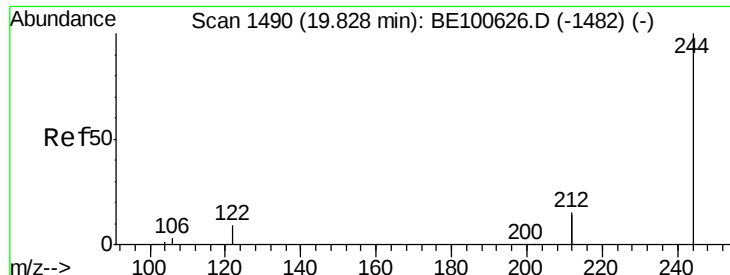


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.398 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.01 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

ClientSampled :

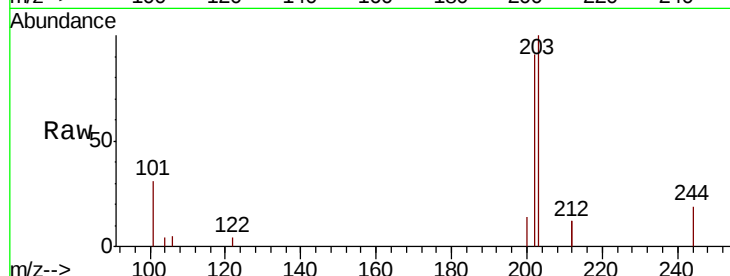
Tot Ion:244 Resp: 39104

Ion Ratio Lower Upper

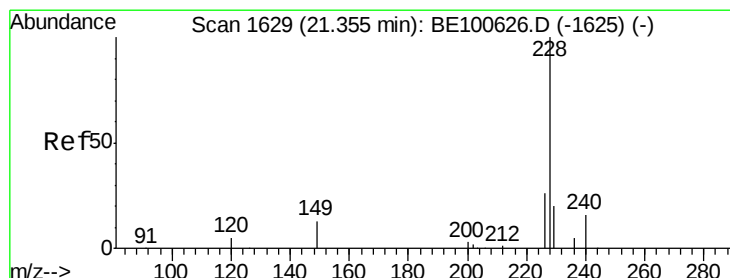
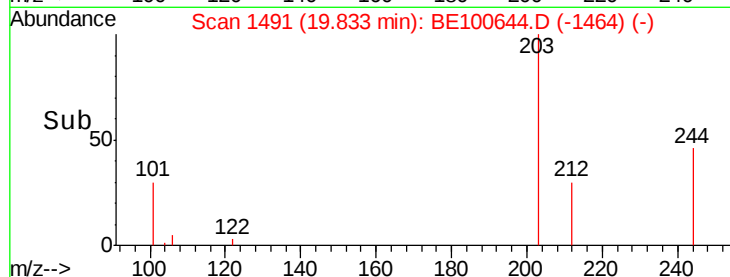
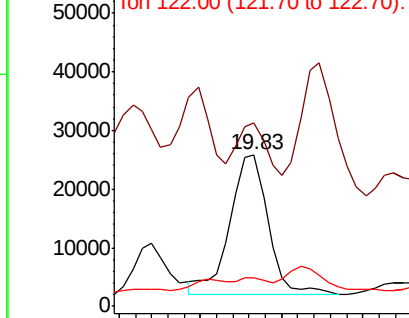
244 100

212 120.8 23.9 35.9#

122 19.2 7.7 11.5#



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: 71.975 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.02 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

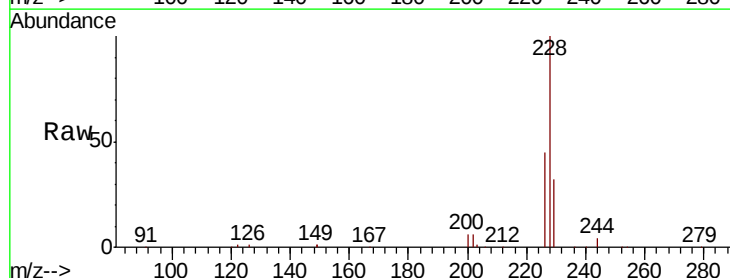
Tgt Ion:228 Resp:10547337

Ion Ratio Lower Upper

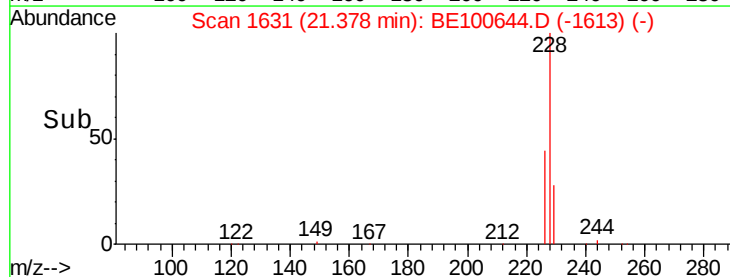
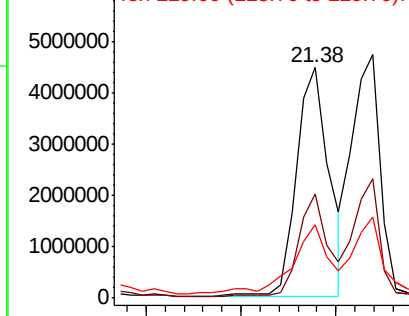
228 100

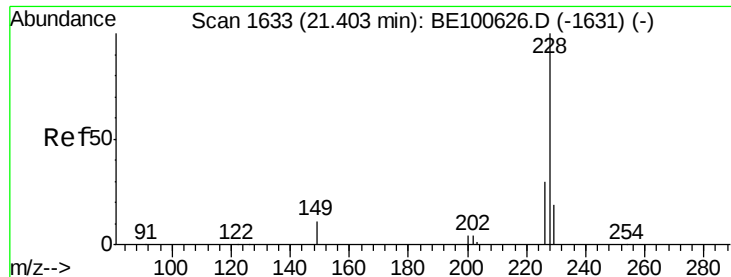
226 45.2 21.0 31.6#

229 31.6 15.8 23.8#



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: 64.730 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.04 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

ClientSampleId :

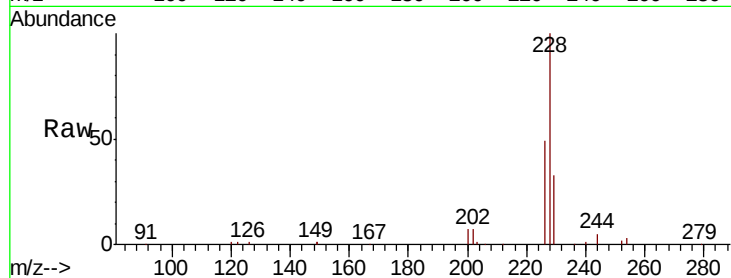
Tot Ion:228 Resp: 9479625

Ion Ratio Lower Upper

228 100

226 49.1 24.5 36.7#

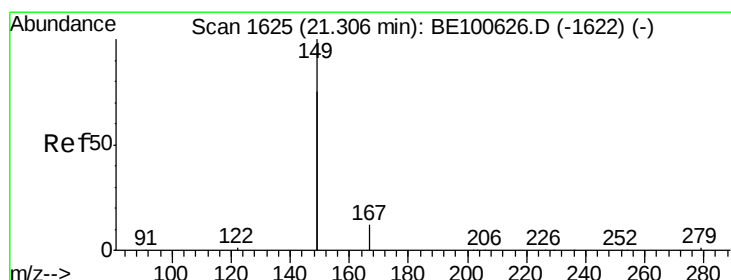
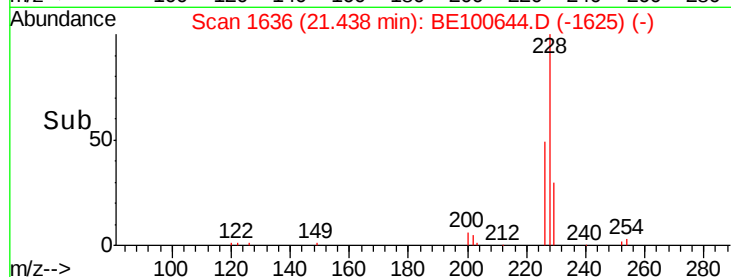
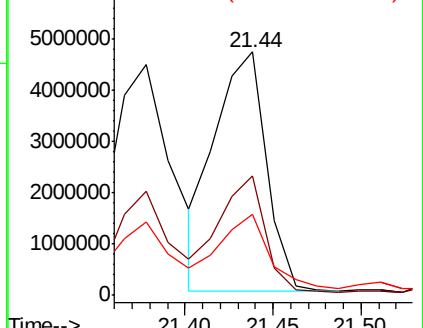
229 33.1 15.6 23.4#



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: 0.517 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

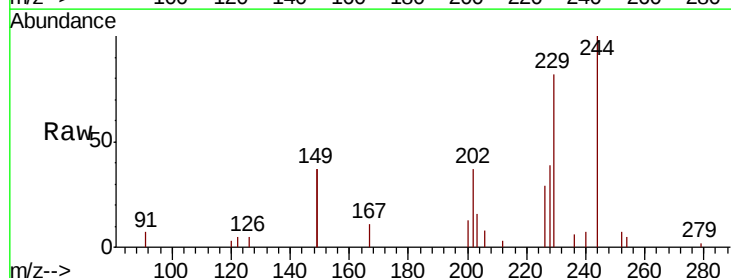
Tgt Ion:149 Resp: 158313

Ion Ratio Lower Upper

149 100

167 22.1 5.4 8.2#

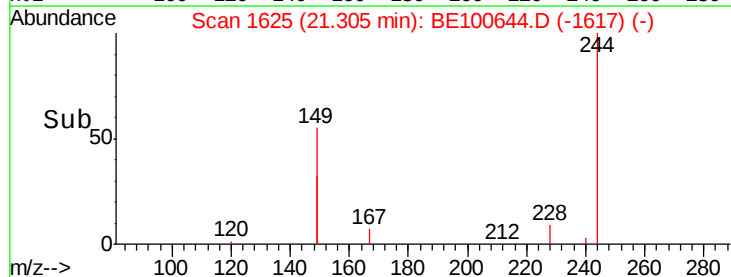
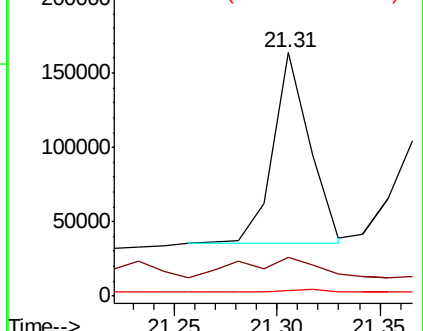
279 2.3 1.5 2.3#

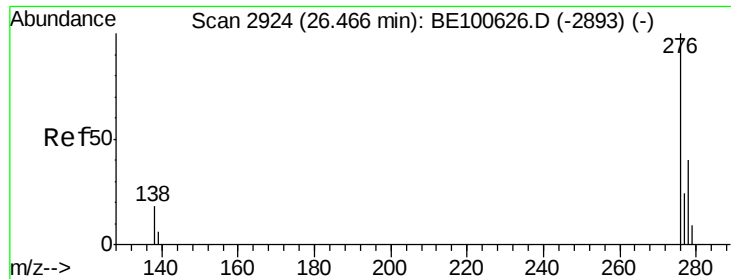


Abundance Ion 149.00 (148.70 to 149.70): E

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: 36.113 ng

RT: 26.57 min Scan# 2952

Delta R.T. 0.10 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

ClientSampleId :

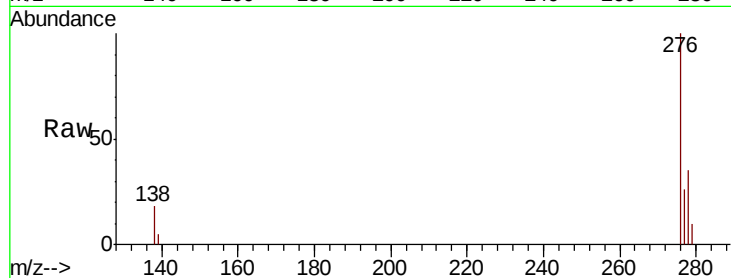
Tot Ion:276 Resp: 6500057

Ion Ratio Lower Upper

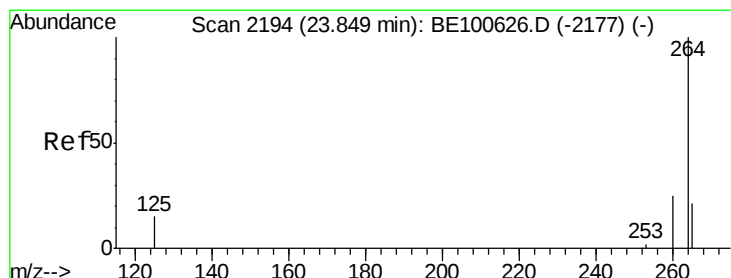
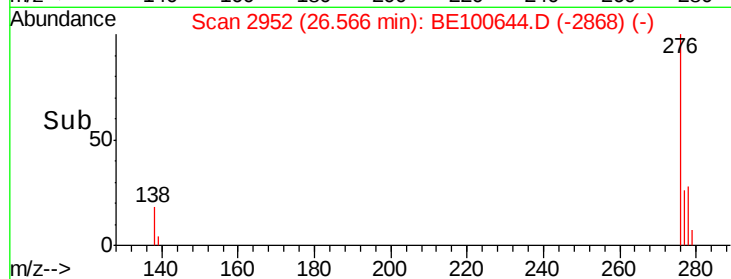
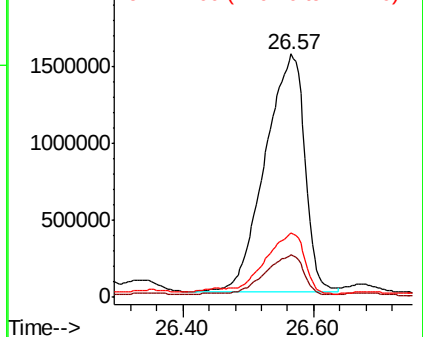
276 100

138 16.2 16.0 24.0

277 25.2 19.7 29.5



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: 23.88 min Scan# 2204

Delta R.T. 0.04 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

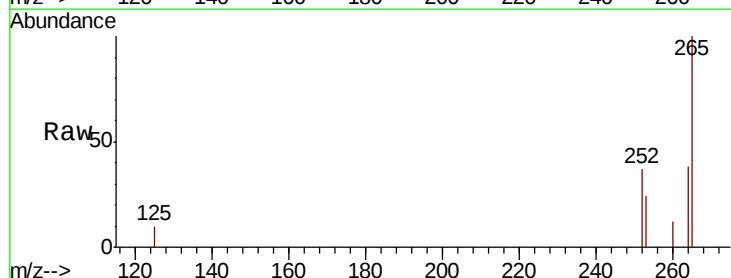
Tgt Ion:264 Resp: 53352

Ion Ratio Lower Upper

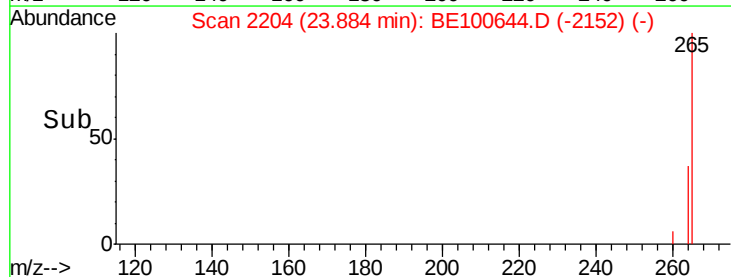
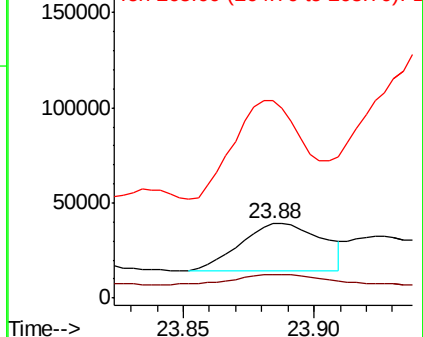
264 100

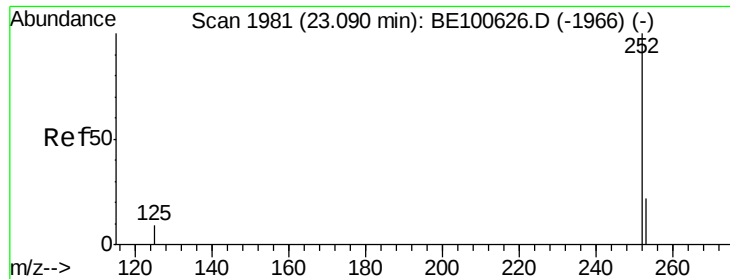
260 31.7 19.9 29.9#

265 265.3 20.0 30.0#



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: 73.008 ng

RT: 23.15 min Scan# 1998

Delta R.T. 0.06 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

ClientSampleId :

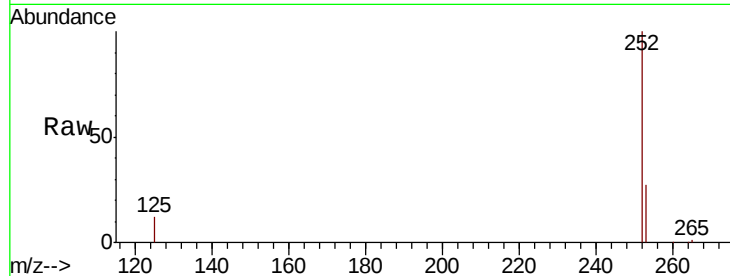
Tot Ion:252 Resp:11357700

Ion Ratio Lower Upper

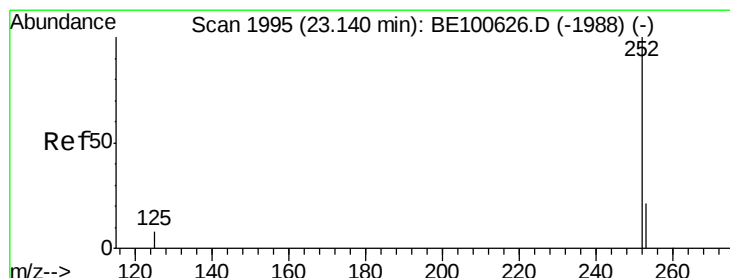
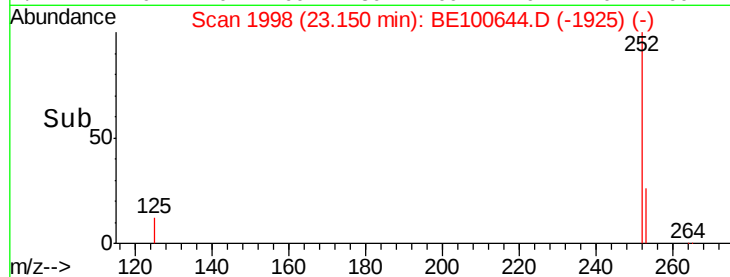
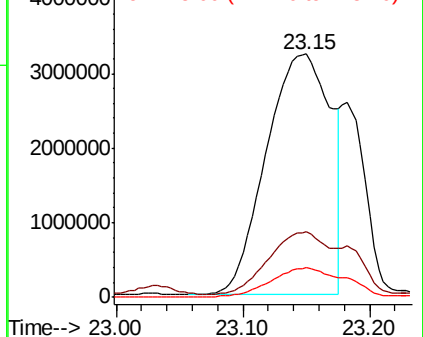
252 100

253 26.8 17.8 26.8#

125 12.1 7.6 11.4#



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



#36

Benzo(k)fluoranthene

Concen: 70.987 ng

RT: 23.15 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

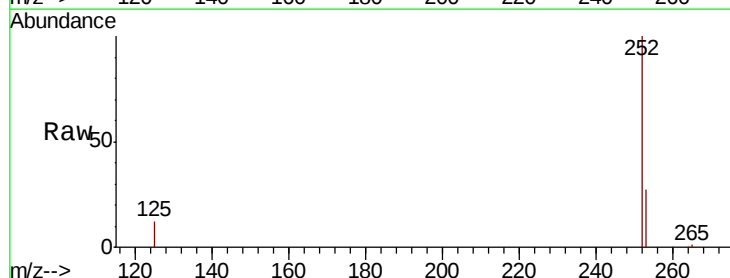
Tgt Ion:252 Resp:11357700

Ion Ratio Lower Upper

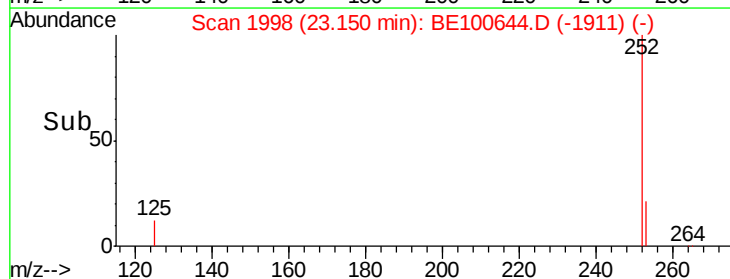
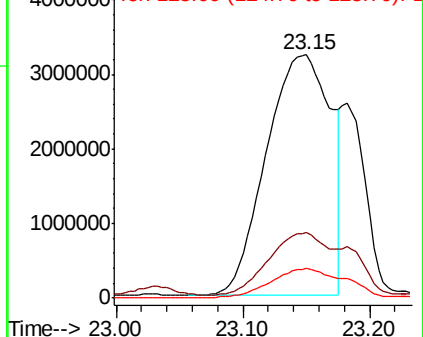
252 100

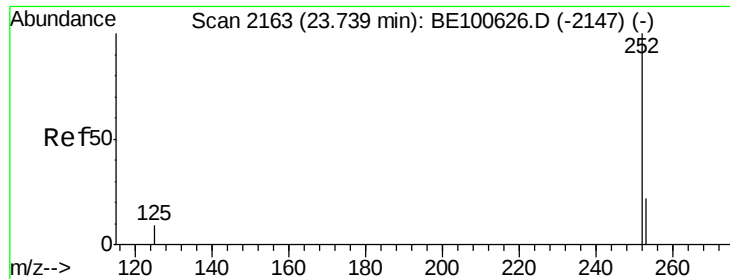
253 26.8 17.8 26.6#

125 12.1 7.6 11.4#



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: 61.263 ng

RT: 23.80 min Scan# 2180

Delta R.T. 0.06 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

ClientSampleId :

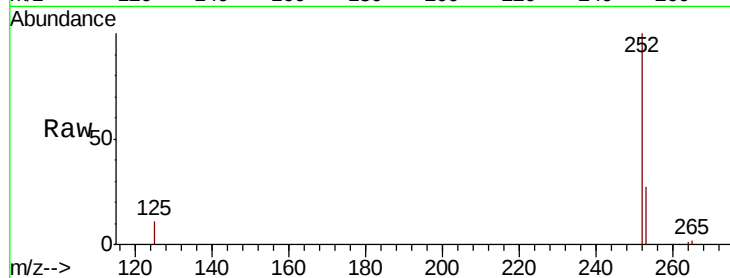
Tot Ion:252 Resp: 8871472

Ion Ratio Lower Upper

252 100

253 26.6 18.2 27.2

125 11.4 8.1 12.1

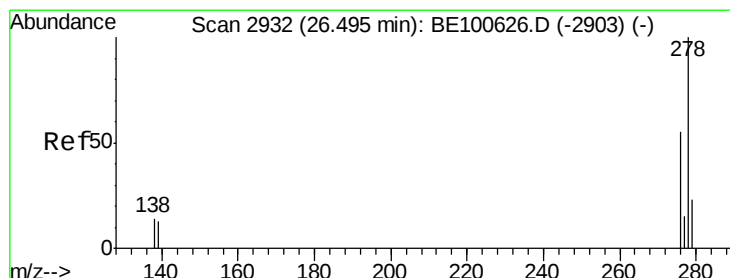
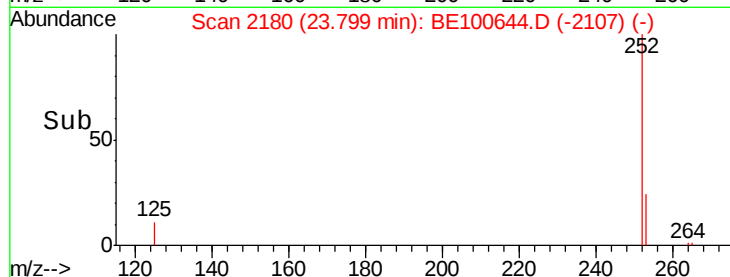
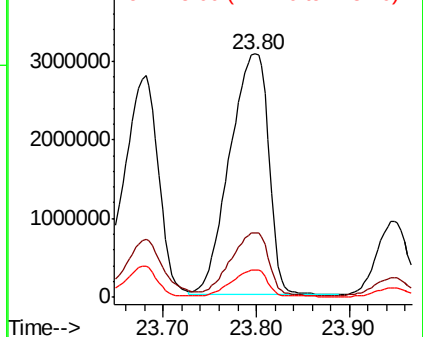


Abundance

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: 12.532 ng

RT: 26.57 min Scan# 2954

Delta R.T. 0.08 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

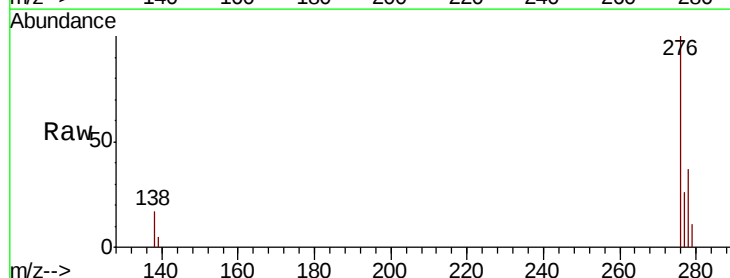
Tgt Ion:278 Resp: 1875778

Ion Ratio Lower Upper

278 100

139 13.5 11.2 16.8

279 29.7 19.0 28.6#

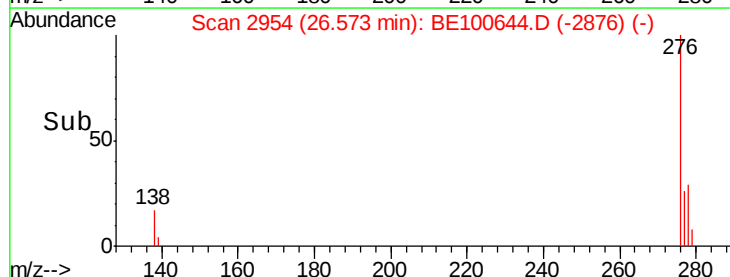
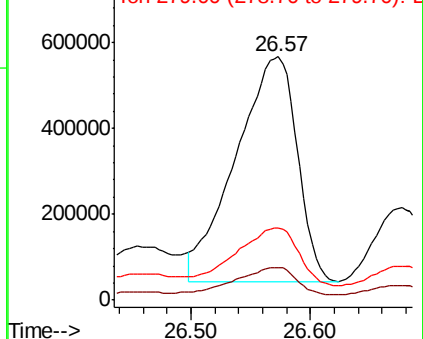


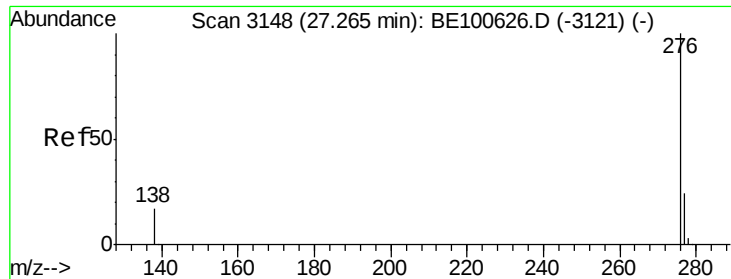
Abundance

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(a,h,i)perylene

Concen: 45.693 ng

RT: 27.39 min Scan# 3182

Delta R.T. 0.12 min

Lab File: BE100644.D

Acq: 15 Oct 2019 11:03

Instrument :

BNA_E

ClientSampleId :

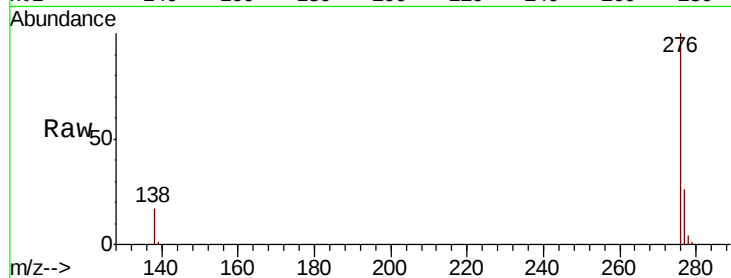
Tot Ion:276 Resp: 6878308

Ion Ratio Lower Upper

276 100

277 25.5 19.3 28.9

138 16.8 14.5 21.7



Abundance Ion 276.00 (275.70 to 276.70): E

2000000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

